

# Industrial Roller Chain Products General Catalog

**Inspire Series® SBR® Roller Chains**

**ULTRA-MAX® Roller Chains**

**HI-MAX® Roller Chains**



*"The highest rated standard roller chain in the world"*

**ULTRA-MAX®**

*"A premium performance solid bushing-solid roller series"*

**HI-MAX®**

*"An economical high performance roller chain series"*

## A Pioneer in the Industrial Chain Business

As a pioneer in the industrial chain business, MAXCO Chain began manufacturing industrial cast chains in 1911 as Tobata Foundry Co. in Japan. In 1956 we became part of the Hitachi Group and in 1972 Hitachi Chain Ltd. was established. The industrial chain business is the foundation on which the company was built and in 1987 when we added our Building Solutions business we became Hitachi Metals Techno, Ltd.



In 2016 the company separated from the Hitachi group to become SENQCIA Corporation. In 2021 the company changed ownership and changed our name to MAXCO Chain. MAXCO Chain supplies industrial roller chain, engineering class chain and wastewater treatment chains and components to North America, Central America, South America and Europe.

## Quality Mission

Our INSPIRE SERIES® SBR®/ HKK chains possess the highest-rated working loads in the world. Our popular HI-MAX® brand delivers solid performance at an economical price.

In addition to industrial roller chains, MAXCO Chain manufactures large pitch Engineering Class chain products as well as a full line of chains and components for use in the wastewater treatment industry. Our SAV® stainless steel collector chains are specified in major municipalities throughout North America. In addition, we supply non-metallic chains, sprockets, and other components for use in wastewater treatment facilities.



For more information visit us at  
[www.maxcochain.com](http://www.maxcochain.com)

## Corporate Philosophy

### MAXCO PHILOSOPHY

#### Corporate Philosophy

We will contribute to the development of society by providing high quality products and services.

#### Basic Principles: The Three Promises

**1**

Pursue uniqueness and strive for technological innovation.

**2**

Create value from a global perspective.

**3**

Continue to be a company that all stakeholders can be proud of.

#### Code of Conduct: "HEAT"

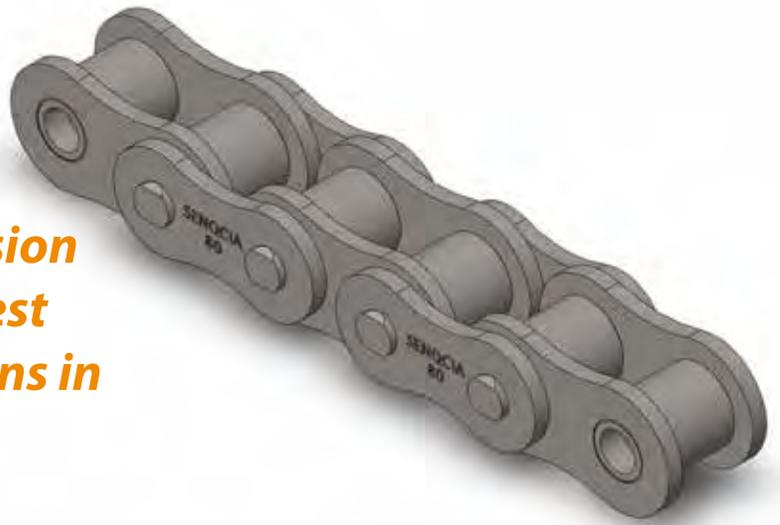
"H" Hospitable: Think from customers standpoint and strive for the best.

"E" Earnest: Act in compliance with social norms.

"A" Active: Think independently and challenge enthusiastically.

"T" Tough: Strive toward goals with persistence.

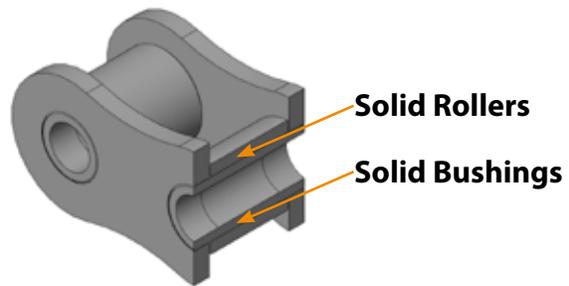
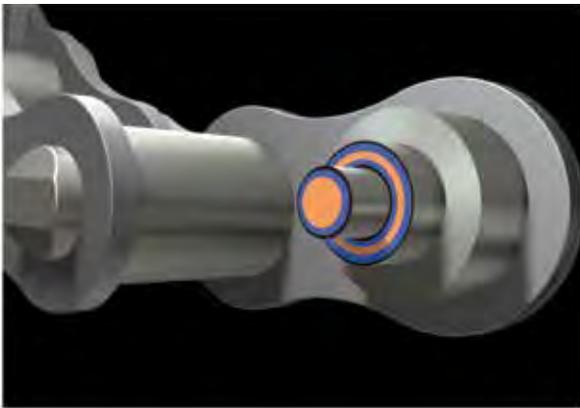
## Inspire Series® SBR® Premium Roller Chains



**Inspire Series® SBR® precision roller chains are the highest rated standard roller chains in the world.**

### Patented Mechanical Pin Treatment

This unique process develops a "Triple Zone" hardness on the pin to improve wear resistance and increases fatigue strength substantially from a deep compressive stress zone.



### Features Summary:

- Solid bushings and rollers.
- Higher rated working loads.
- Improved wear and abrasion resistance.
- New boron steel pins for most sizes that increase strength and improve ductility.
- Proprietary stainless steel blast for link plates and rollers to protect against rust.
- Unique "Triple Zone" hardness on chain pins.
- Wide Waist Link Plates.
- Redesigned high strength connecting link with flat style closing plates.
- Superior special blend pre-lubricant.

### New!

**Boron Steel Pins** - Increased Strength and Improved Toughness. When combined with our unique processing steps we have achieved the best combination of strength and wear performance available from anyone.

The Ultra-hard shell on the chain pins from our patented mechanical treatment combine with the standard carburized zone to resist wear and abrasion better than before. In addition the new boron steel material is stronger and tougher than before. The result is the best roller chain product we have ever offered!

## MAXCO Chain Brand Comparisons

Table of Product Features by Brand

| Product Feature   | Inspire Series® SBR®          | ULTRA-MAX®             | Hi-MAX®                                  |
|---|-------------------------------|------------------------|--|
| Solid Bushings and Rollers                              | All Sizes except 25 and 41    | All Sizes              | All Sizes                                |
| Bushing/Roller Manufacturing method                     | 6 Station Cold Forming        | 6 Station Cold Forming | Curling or Barrel Method for Solid Parts |
| Shot Peening  | Yes Standard and Special Shot | Yes Standard Shot      | Yes Standard Shot                        |
| Patented Mechanical Treatment for Triple Zone Hardening | Yes                           | No                     | No                                       |
| Special Link Plate Coating                              | Yes Stainless Blast           | No                     | No                                       |
| Pre-Lubricant   | Best                          | Excellent              | Very Good                                |
| Rated Working Load                                      | Highest                       | Very High              | High                                     |

Working Load Comparison by Size and Brand

| ASME/ANSI Chain Number | Inspire Series® SBR® |       | ULTRA-MAX® |       | Hi-MAX® |       |
|------------------------|----------------------|-------|------------|-------|---------|-------|
|                        | Lbs                  | Kg-f  | Lbs        | Kg-f  | Lbs     | Kg-f  |
| 25                     | 140                  | 64    | 140        | 64    | 140     | 64    |
| 35                     | 560                  | 255   | 485        | 220   | 475     | 216   |
| 41                     | 500                  | 227   | 500        | 227   | 500     | 227   |
| 40                     | 940                  | 427   | 815        | 370   | 800     | 364   |
| 50                     | 1,625                | 740   | 1,400      | 636   | 1,350   | 614   |
| 60                     | 2,470                | 1,125 | 2,090      | 950   | 2,000   | 909   |
| 80                     | 4,295                | 1,950 | 3,310      | 1,505 | 3,200   | 1,500 |
| 100                    | 6,610                | 3,005 | 5,070      | 2,305 | 5,000   | 2,275 |
| 120                    | 8,880                | 4,035 | 6,830      | 3,105 | 6,600   | 3,000 |
| 140                    | 11,750               | 5,340 | 9,040      | 4,110 | 8,900   | 4,045 |
| 160                    | 15,510               | 7,050 | 11,900     | 5,410 | 11,500  | 5,225 |

# Table of Contents

| <b>MAXCO Chain Industrial Chain Product</b>                            | <b>Page</b> |
|--|-------------|
| <b>Standard Roller Chains</b>  |             |
| General Information  | 10 - 11     |
| ASME/ANSI Inspire Series® SBR® Roller Chains                           | 12 - 39     |
| Drive Chain Selection  | 40 - 43     |
| ISO 606B British Standard Roller Chains                                | 44 - 52     |
| CRP Chrome Treated Pin Chains  | 53          |
| <b>ASME/ANSI Standard Double Pitch Chains</b>                          |             |
| Transmission Chains  | 54          |
| Conveyor Series Standard Roller  | 55          |
| Conveyor Series Large Roller   | 55          |
| <b>Flat Side Bar Chain</b>   |             |
| ASME/ANSI Standard Flat Side Bar Chain                                 | 56          |
| ISO 606B Flat Side Bar Chains  | 57          |
| <b>Extra Capacity Chains</b>   |             |
| Heavy (H) Series Roller Chains   | 58 - 59     |
| Through Hardened Pin (E) Series Roller Chains                          | 60 - 61     |
| Heavy-Through Hardened Pin (HE) Series Roller Chains                   | 62 - 63     |
| ASME/ANSI Super (SU) Series and Super Heavy (HSU) Series Roller Chains | 64 - 65     |
| ASME/ANSI Double Capacity Roller Chains                                | 66          |
| ISO 606B British Standard Double Capacity Roller Chains                | 66          |
| ASME/ANSI Triple and Quad Capacity Roller Chains                       | 67          |
| ISO 606B British Standard Triple and Quad Capacity Roller Chains       | 67          |
| ASME/ANSI Double Pitch Standard Roller Double Capacity Roller Chains   | 68          |
| Rollerless Hoist Chains  | 69          |
| Side Bow (Curved) ASME/ANSI Standard Roller Chains                     | 70          |
| Side Bow (Curved) ASME/ANSI Double Pitch Roller Chains                 | 70          |
| <b>Corrosion and Temperature Resistant Roller Chains</b>               |             |
| General Information  | 71          |
| Nickel Plated Roller Chain   | 72 - 74     |
| Perfect Coat Plus II® Roller Chain                                     | 75 - 78     |
| Stainless Steel Chains General Information                             | 79          |
| Type 304 Series Stainless Steel Roller Chain                           | 80 - 83     |
| Type 600 Series Stainless Steel Roller Chain                           | 84 - 85     |
| Type 316 Series Stainless Steel Roller Chain                           | 86 - 87     |
| Mega Chain Type I and Type II 304 Stainless Steel                      | 88 - 91     |
| Poly Steel (PS) Light Weight Chains                                    | 92 - 93     |
| Stainless Steel Corrosion Resistance Guide                             | 94 - 95     |

## Table of Contents

| <b>MAXCO Chain Industrial Chain Product</b>                              | <b>Page</b> |
|--|-------------|
| <b>Maintenance Free Roller Chains</b>                                    |             |
| General Information Maintenance Free Roller Chains                       | 96          |
| Standard Self Lube (SL) Series Chains                                    | 97 - 98     |
| Freedom Series® Roller Chains  | 99 - 102    |
| O-Ring Type Sealed Roller Chain  | 103         |
| Seal Guard® Sealed Type Roller Chains                                    | 104 - 105   |
| <b>Hollow Pin Chains</b>   |             |
| Carbon Steel Hollow Pin Chains   | 106 - 107   |
| Stainless Steel Hollow Pin Chains  | 108 - 109   |
| Self Lube (SL) Type Hollow Pin Chains                                    | 109 - 111   |
| <b>Inspire Series® Leaf Chains</b>                                       |             |
| General Information  | 112         |
| AL Series, BL Series and LL Series Leaf Chains                           | 113 - 117   |
| <b>Inspire Series® SBR® Attachment Chains</b>                            |             |
| General Information - Nomenclature                                       | 118 - 119   |
| ASME/ANSI Standard Attachments Carbon, Stainless and Freedom Series®     | 120 - 123   |
| ASME/ANSI Double Pitch Attachments Carbon, Stainless and Freedom Series® | 124 - 127   |
| ISO 606B Standard Attachments Carbon, Stainless and Freedom Series®      | 128 - 129   |
| Conveyor Chain Selection   | 130 - 131   |
| <b>ULTRA-MAX® Series Roller Chains</b>                                   |             |
| ASME/ANSI Standard Chains  | 132 - 133   |
| ISO 606B British Standard Roller Chains                                  | 134 - 135   |
| (H) Series (E) Series and (HE) Series ASME/ANSI Roller Chains            | 136 - 141   |
| (E) Series ISO 606B British Standard Roller Chain                        | 152 - 143   |
| Double Pitch Roller Chains ASME/ANSI and ISO 606B Series Roller Chains   | 144 - 145   |
| Flat Side Bar ASME/ANSI and ISO 606B British Standard Roller Chains      | 146 - 147   |
| <b>HI-MAX® Series Roller Chains</b>                                      |             |
| ASME/ANSI Standard Chains  | 148 - 149   |
| ISO 606B British Standard Roller Chains                                  | 150 - 151   |
| Heavy (H) Series ASME/ANSI Roller Chains                                 | 152 - 153   |
| Double Pitch Roller Chains ASME/ANSI Roller Chains                       | 154 - 155   |
| Flat Side Bar ASME/ANSI and ISO 606B British Standard Roller Chains      | 156 - 157   |
| AL Series, BL Series and LL Series Leaf Chains                           | 158 - 161   |
| <b>Technical Information</b>   |             |
| Installation, Lubrication and Maintenance                                | 162 - 165   |
| Drive Configurations   | 166         |
| Troubleshooting Guide  | 167         |
| Product Index  | 168 - 178   |

# General Information

## General Dimensions ASME/ANSI Standard Roller Chains

| MAXCO Chain Number | ISO Chain Number | Page Number | Units | Chain Pitch | Roller Diameter | Inside Width | Pin Diameter | Roller Link Plate Thickness | Pin Link Plate Thickness | Number of Links in 10ft | Number of Links in 5m |
|--------------------|------------------|-------------|-------|-------------|-----------------|--------------|--------------|-----------------------------|--------------------------|-------------------------|-----------------------|
| 25*                | 04C-1            | 12          | inch  | 0.250       | 0.130           | 0.125        | 0.091        | 0.030                       | 0.030                    | 480                     | 788                   |
|                    |                  |             | mm    | 6.35        | 3.30            | 3.18         | 2.31         | 0.76                        | 0.76                     |                         |                       |
| 35*                | 06C-1            | 14          | inch  | 0.375       | 0.200           | 0.188        | 0.141        | 0.050                       | 0.050                    | 320                     | 526                   |
|                    |                  |             | mm    | 9.53        | 5.08            | 4.78         | 3.58         | 1.25                        | 1.25                     |                         |                       |
| 41                 | 085-1            | 16          | inch  | 0.500       | 0.306           | 0.250        | 0.141        | 0.050                       | 0.050                    | 240                     | 394                   |
|                    |                  |             | mm    | 12.70       | 7.77            | 6.35         | 3.58         | 1.25                        | 1.25                     |                         |                       |
| 40                 | 08A-1            | 18          | inch  | 0.500       | 0.312           | 0.313        | 0.156        | 0.060                       | 0.060                    | 240                     | 394                   |
|                    |                  |             | mm    | 12.70       | 7.92            | 7.95         | 3.96         | 1.50                        | 1.5                      |                         |                       |
| 50                 | 10A-1            | 20          | inch  | 0.625       | 0.400           | 0.375        | 0.200        | 0.080                       | 0.080                    | 192                     | 316                   |
|                    |                  |             | mm    | 15.875      | 10.16           | 9.53         | 5.08         | 2.00                        | 2.0                      |                         |                       |
| 60                 | 12A-1            | 22          | inch  | 0.750       | 0.469           | 0.500        | 0.234        | 0.094                       | 0.094                    | 160                     | 262                   |
|                    |                  |             | mm    | 19.05       | 11.91           | 12.70        | 5.95         | 2.40                        | 2.4                      |                         |                       |
| 80                 | 16A-1            | 24          | inch  | 1.000       | 0.625           | 0.625        | 0.312        | 0.126                       | 0.125                    | 120                     | 198                   |
|                    |                  |             | mm    | 25.40       | 15.88           | 15.88        | 7.93         | 3.20                        | 3.2                      |                         |                       |
| 100                | 20A-1            | 26          | inch  | 1.250       | 0.750           | 0.750        | 0.375        | 0.157                       | 0.157                    | 96                      | 158                   |
|                    |                  |             | mm    | 31.75       | 19.05           | 19.05        | 9.53         | 4.00                        | 4.0                      |                         |                       |
| 120                | 24A-1            | 28          | inch  | 1.500       | 0.875           | 1.000        | 0.437        | 0.188                       | 0.188                    | 80                      | 132                   |
|                    |                  |             | mm    | 38.10       | 22.23           | 25.40        | 11.10        | 4.80                        | 4.8                      |                         |                       |
| 140                | 28A-1            | 30          | inch  | 1.750       | 1.000           | 1.000        | 0.500        | 0.220                       | 0.220                    | 70                      | 116                   |
|                    |                  |             | mm    | 44.45       | 25.40           | 25.40        | 12.70        | 5.60                        | 5.6                      |                         |                       |
| 160                | 32A-1            | 32          | inch  | 2.000       | 1.125           | 1.250        | 0.562        | 0.250                       | 0.250                    | 60                      | 98                    |
|                    |                  |             | mm    | 50.80       | 28.58           | 31.75        | 14.28        | 6.40                        | 6.4                      |                         |                       |
| 180                | 36A-1            | 34          | inch  | 2.250       | 1.406           | 1.406        | 0.687        | 0.283                       | 0.283                    | 54                      | 90                    |
|                    |                  |             | mm    | 57.15       | 35.70           | 35.70        | 17.45        | 7.20                        | 7.2                      |                         |                       |
| 200                | 40A-1            | 36          | inch  | 2.500       | 1.562           | 1.500        | 0.781        | 0.315                       | 0.315                    | 48                      | 80                    |
|                    |                  |             | mm    | 63.50       | 39.67           | 38.10        | 19.83        | 8.00                        | 8.0                      |                         |                       |
| 240                | 48A-1            | 38          | inch  | 3.000       | 1.875           | 1.875        | 0.936        | 0.374                       | 0.374                    | 40                      | 66                    |
|                    |                  |             | mm    | 76.20       | 47.63           | 47.63        | 23.78        | 9.50                        | 9.5                      |                         |                       |

\* Rollerless Chains

How to order standard packaged roller chains:

1. Specify MAXCO Chain or ISO chain number.
2. Specify Type - Riveted or Cotted - Note cotted chains are generally available from 0.750" (19.05mm) pitch and greater.
3. Length - Standard packaging is typically a 10ft box. 5 meter boxes are also available in some regions of the world. Reel stock such as 30ft, 50ft, 100ft, 200ft and 500ft are also available depending on chain size and weight. Contact MAXCO Chain, Ltd. sales personnel for more information.

## General Information

### General Dimensions ISO 606B British Standard Roller Chains

| MAXCO Chain Number | ISO Chain Number | Page Number | Units | Chain Pitch | Roller Diameter | Inside Width | Pin Diameter | Roller Link Plate Thickness | Pin Link Plate Thickness | Number of Links in 10ft | Number of Links in 5m |
|--------------------|------------------|-------------|-------|-------------|-----------------|--------------|--------------|-----------------------------|--------------------------|-------------------------|-----------------------|
| 06B                | 06B-1            | 40          | inch  | 0.375       | 0.250           | 0.225        | 0.130        | 0.050                       | 0.040                    | 320                     | 526                   |
|                    |                  |             | mm    | 9.53        | 6.35            | 5.72         | 3.28         | 1.25                        | 1.00                     |                         |                       |
| 08B                | 08B-1            | 41          | inch  | 0.500       | 0.335           | 0.305        | 0.175        | 0.060                       | 0.060                    | 240                     | 394                   |
|                    |                  |             | mm    | 12.70       | 8.51            | 7.75         | 4.45         | 1.5                         | 1.5                      |                         |                       |
| 10B                | 10B-1            | 42          | inch  | 0.625       | 0.400           | 0.380        | 0.200        | 0.065                       | 0.065                    | 192                     | 316                   |
|                    |                  |             | mm    | 15.875      | 10.16           | 9.65         | 5.08         | 1.65                        | 1.65                     |                         |                       |
| 12B                | 12B-1            | 43          | inch  | 0.750       | 0.475           | 0.460        | 0.225        | 0.070                       | 0.070                    | 160                     | 262                   |
|                    |                  |             | mm    | 19.05       | 12.07           | 11.68        | 5.72         | 1.8                         | 1.8                      |                         |                       |
| 16B                | 16B-1            | 44          | inch  | 1.000       | 0.625           | 0.670        | 0.325        | 0.157                       | 0.126                    | 120                     | 198                   |
|                    |                  |             | mm    | 25.40       | 15.88           | 17.02        | 8.26         | 4.0                         | 3.2                      |                         |                       |
| 20B                | 20B-1            | 45          | inch  | 1.250       | 0.750           | 0.770        | 0.400        | 0.177                       | 0.138                    | 96                      | 158                   |
|                    |                  |             | mm    | 31.75       | 19.05           | 19.56        | 10.16        | 4.5                         | 3.5                      |                         |                       |
| 24B                | 24B-1            | 46          | inch  | 1.500       | 1.000           | 1.000        | 0.576        | 0.232                       | 0.193                    | 80                      | 132                   |
|                    |                  |             | mm    | 38.10       | 25.4            | 25.4         | 14.63        | 5.9                         | 4.9                      |                         |                       |
| 28B                | 28B-1            | 47          | inch  | 1.750       | 1.100           | 1.220        | 0.625        | 0.291                       | 0.248                    | 70                      | 116                   |
|                    |                  |             | mm    | 44.45       | 27.94           | 31.00        | 15.88        | 7.4                         | 6.3                      |                         |                       |
| 32B                | 32B-1            | 48          | inch  | 2.000       | 1.150           | 1.220        | 0.700        | 0.272                       | 0.248                    | 60                      | 98                    |
|                    |                  |             | mm    | 50.80       | 29.21           | 31.00        | 17.81        | 6.9                         | 6.3                      |                         |                       |

### Chain Construction and Parts



Riveted Chain



Cottered Chain



Multiple Strand Chain



Connecting Link



Offset Link



2 Pitch Offset Link



Roller Link

Riveted Chain: Pins have dual staked rivets on both sides.

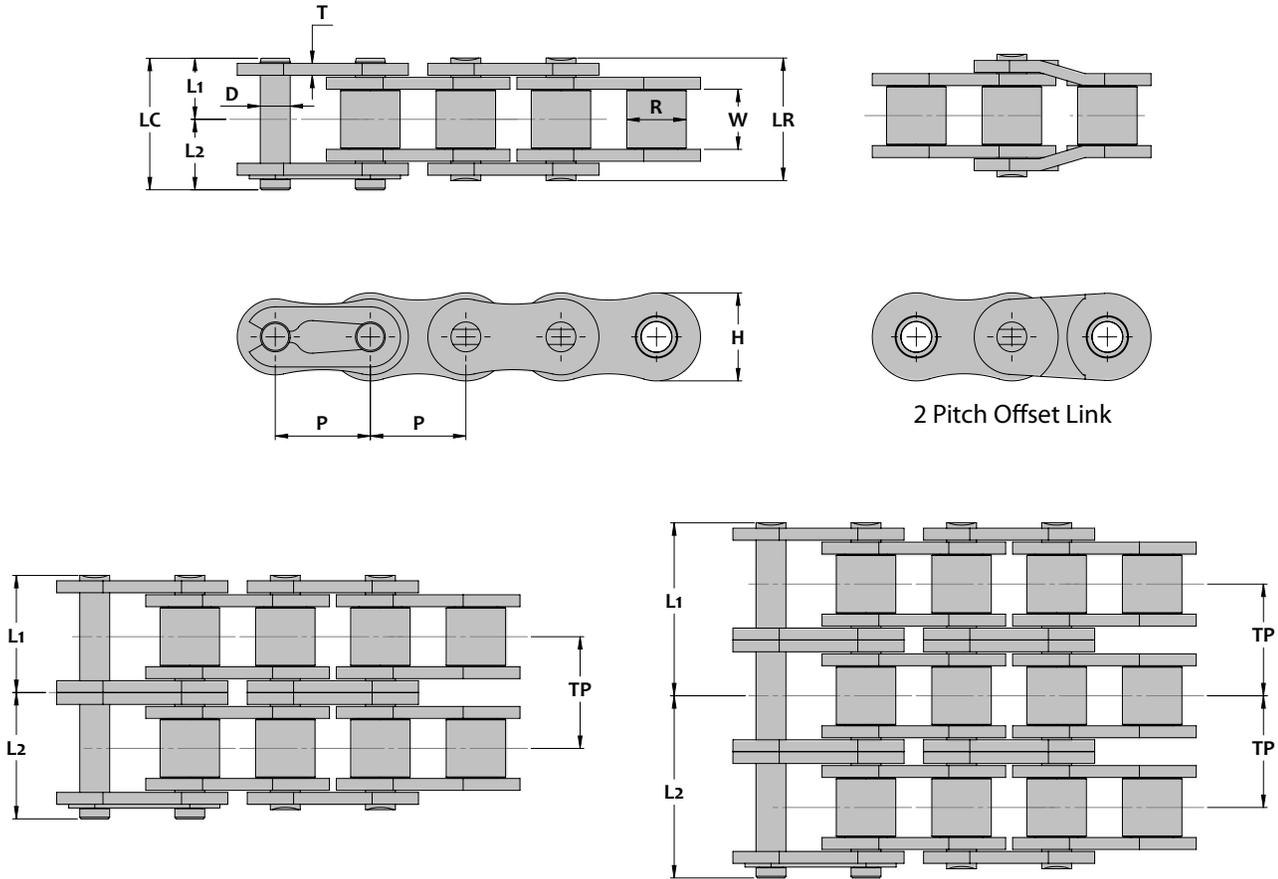
Cottered Chains: Pins have dual staked rivets on one side and cotters on the other. Cottered chains are slightly easier to assemble and/or disassemble in the field and are more common on large pitch sizes.

Connecting Links: Used to connect the ends of the chain strand together.

Offset links: Used to shorten or lengthen chain length by one pitch.

2 Pitch Offset Links: Possess slightly greater load carrying capacities than single pitch offsets.

## 25 ASME/ANSI Roller Chain



### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch P     | Common Dimensions |                    |                |                        |                            | Roller Link Plate Height H  | Number of Links in 10ft/5m         | Available Construction           |     |
|--------------------|-------|-------------------|-------------------|--------------------|----------------|------------------------|----------------------------|-----------------------------|------------------------------------|----------------------------------|-----|
|                    |       |                   | Inside Width W    | Bushing Diameter R | Pin Diameter D | Link Plate Thickness T | Roller Link Plate Height H |                             |                                    | Cot                              | Riv |
| 25                 | inch  | 0.250             | 0.125             | 0.130              | 0.091          | 0.030                  | 0.230                      | 480                         | No                                 | Yes                              |     |
|                    | mm    | 6.35              | 3.18              | 3.30               | 2.31           | 0.76                   | 5.84                       |                             |                                    |                                  | 788 |
| MAXCO Chain Number | Units | Number of Strands | Pin Lengths       |                    |                |                        | Transverse Pitch TP        | Rated Working Load Lbs Kg-f | Average Ultimate Strength Lbs Kg-f | Average Chain Weight Lbs/ft Kg/m |     |
|                    |       |                   | L1                | L2                 | LR             | LC                     |                            |                             |                                    |                                  |     |
| 25                 | inch  | 1                 | 0.15              | 0.19               | 0.30           | 0.34                   | -                          | 140                         | 1,050                              | 0.10                             |     |
|                    | mm    |                   | 3.8               | 4.8                | 7.6            | 8.6                    | -                          | 64                          | 477                                | 0.15                             |     |
| 25-2               | inch  | 2                 | 0.28              | 0.31               | 0.56           | 0.59                   | 0.252                      | 240                         | 2,100                              | 0.19                             |     |
|                    | mm    |                   | 7.1               | 7.9                | 14.2           | 15.0                   | 6.4                        | 109                         | 955                                | 0.28                             |     |
| 25-3               | inch  | 3                 | 0.41              | 0.45               | 0.81           | 0.85                   | 0.252                      | 320                         | 3,150                              | 0.27                             |     |
|                    | mm    |                   | 10.3              | 11.3               | 20.6           | 21.6                   | 6.4                        | 145                         | 1,430                              | 0.40                             |     |



## 25 ASME/ANSI Roller Chain

Horsepower Capacity Table

| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |      |      |      |      |        |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
|------------------------|---------------------------------------|------|------|------|------|--------|------|------|------|------|------|------|------|------|------|--------|------|------|------|------|
|                        | 50                                    | 100  | 300  | 500  | 700  | 900    | 1200 | 1500 | 1800 | 2100 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000   | 5500 | 6000 | 6500 | 7000 |
| 9                      | 0.03                                  | 0.04 | 0.10 | 0.19 | 0.25 | 0.31   | 0.40 | 0.50 | 0.59 | 0.63 | 0.80 | 0.93 | 1.06 | 1.00 | 0.84 | 0.73   | 0.64 | 0.53 | 0.45 | 0.42 |
| 10                     | 0.03                                  | 0.05 | 0.12 | 0.21 | 0.28 | 0.35   | 0.45 | 0.56 | 0.66 | 0.74 | 0.89 | 1.04 | 1.19 | 1.19 | 1.00 | 0.86   | 0.75 | 0.64 | 0.56 | 0.51 |
| 11                     | 0.03                                  | 0.05 | 0.14 | 0.23 | 0.31 | 0.39   | 0.50 | 0.62 | 0.73 | 0.83 | 0.98 | 1.15 | 1.32 | 1.38 | 1.16 | 0.99   | 0.86 | 0.75 | 0.67 | 0.60 |
| 12                     | 0.03                                  | 0.06 | 0.16 | 0.25 | 0.34 | 0.43   | 0.55 | 0.68 | 0.80 | 0.92 | 1.07 | 1.26 | 1.45 | 1.57 | 1.32 | 1.12   | 0.97 | 0.86 | 0.76 | 0.68 |
| 13                     | 0.04                                  | 0.06 | 0.17 | 0.27 | 0.37 | 0.47   | 0.60 | 0.74 | 0.87 | 1.00 | 1.17 | 1.38 | 1.58 | 1.77 | 1.49 | 1.27   | 1.10 | 0.96 | 0.86 | 0.77 |
| 14                     | 0.04                                  | 0.07 | 0.19 | 0.30 | 0.40 | 0.50   | 0.65 | 0.80 | 0.94 | 1.08 | 1.27 | 1.49 | 1.71 | 1.93 | 1.66 | 1.42   | 1.23 | 1.08 | 0.96 | 0.86 |
| 15                     | 0.04                                  | 0.08 | 0.20 | 0.32 | 0.43 | 0.54   | 0.70 | 0.86 | 1.01 | 1.17 | 1.36 | 1.61 | 1.85 | 2.08 | 1.84 | 1.57   | 1.36 | 1.20 | 1.06 | 0.95 |
| 16                     | 0.04                                  | 0.08 | 0.22 | 0.34 | 0.47 | 0.58   | 0.76 | 0.92 | 1.09 | 1.25 | 1.46 | 1.72 | 1.98 | 2.23 | 2.03 | 1.73   | 1.50 | 1.32 | 1.17 | 1.05 |
| 17                     | 0.05                                  | 0.09 | 0.23 | 0.37 | 0.50 | 0.62   | 0.81 | 0.99 | 1.16 | 1.33 | 1.56 | 1.84 | 2.11 | 2.38 | 2.22 | 1.90   | 1.64 | 1.44 | 1.28 | 1.14 |
| 18                     | 0.05                                  | 0.09 | 0.25 | 0.39 | 0.53 | 0.66   | 0.86 | 1.05 | 1.24 | 1.42 | 1.66 | 1.96 | 2.25 | 2.53 | 2.42 | 2.07   | 1.79 | 1.57 | 1.39 | 1.25 |
| 19                     | 0.05                                  | 0.10 | 0.26 | 0.41 | 0.56 | 0.70   | 0.91 | 1.11 | 1.31 | 1.50 | 1.76 | 2.07 | 2.38 | 2.69 | 2.62 | 2.24   | 1.94 | 1.70 | 1.51 | 1.35 |
| 20                     | 0.06                                  | 0.10 | 0.28 | 0.44 | 0.59 | 0.74   | 0.96 | 1.17 | 1.38 | 1.59 | 1.86 | 2.19 | 2.52 | 2.84 | 2.83 | 2.42   | 2.10 | 1.84 | 1.63 | 1.46 |
| 21                     | 0.06                                  | 0.11 | 0.29 | 0.46 | 0.62 | 0.78   | 1.01 | 1.24 | 1.46 | 1.68 | 1.96 | 2.31 | 2.66 | 2.99 | 3.05 | 2.60   | 2.26 | 1.98 | 1.76 | 1.57 |
| 22                     | 0.06                                  | 0.11 | 0.31 | 0.48 | 0.66 | 0.82   | 1.07 | 1.30 | 1.53 | 1.76 | 2.06 | 2.43 | 2.79 | 3.15 | 3.27 | 2.79   | 2.42 | 2.12 | 1.88 | 1.69 |
| 23                     | 0.06                                  | 0.12 | 0.32 | 0.51 | 0.69 | 0.86   | 1.12 | 1.37 | 1.61 | 1.85 | 2.16 | 2.55 | 2.93 | 3.30 | 3.50 | 2.98   | 2.59 | 2.27 | 2.01 | 1.80 |
| 24                     | 0.07                                  | 0.13 | 0.34 | 0.53 | 0.72 | 0.90   | 1.17 | 1.43 | 1.69 | 1.94 | 2.27 | 2.67 | 3.07 | 3.46 | 3.73 | 3.18   | 2.76 | 2.42 | 2.15 | 1.92 |
| 25                     | 0.07                                  | 0.13 | 0.35 | 0.56 | 0.75 | 0.94   | 1.22 | 1.50 | 1.76 | 2.02 | 2.37 | 2.79 | 3.21 | 3.61 | 3.96 | 3.38   | 2.93 | 2.57 | 2.28 | 2.04 |
| 26                     | 0.07                                  | 0.14 | 0.37 | 0.58 | 0.79 | 0.98   | 1.28 | 1.56 | 1.84 | 2.11 | 2.47 | 2.91 | 3.34 | 3.77 | 4.19 | 3.59   | 3.11 | 2.73 | 2.42 | 2.17 |
| 28                     | 0.08                                  | 0.15 | 0.40 | 0.63 | 0.85 | 1.07   | 1.38 | 1.69 | 1.99 | 2.29 | 2.68 | 3.15 | 3.62 | 4.09 | 4.54 | 4.01   | 3.47 | 3.05 | 2.70 | 2.42 |
| 30                     | 0.08                                  | 0.16 | 0.43 | 0.68 | 0.92 | 1.15   | 1.49 | 1.82 | 2.15 | 2.46 | 2.88 | 3.40 | 3.90 | 4.40 | 4.89 | 4.45   | 3.85 | 3.38 | 3.00 | 2.68 |
| 32                     | 0.09                                  | 0.17 | 0.46 | 0.73 | 0.98 | 1.23   | 1.60 | 1.95 | 2.30 | 2.64 | 3.09 | 3.64 | 4.18 | 4.72 | 5.25 | 4.90   | 4.25 | 3.73 | 3.30 | 2.96 |
| 35                     | 0.10                                  | 0.19 | 0.51 | 0.80 | 1.08 | 1.36   | 1.76 | 2.15 | 2.53 | 2.91 | 3.41 | 4.01 | 4.61 | 5.20 | 5.78 | 5.00   | 4.86 | 4.26 | 3.78 | 3.38 |
| 40                     | 0.12                                  | 0.22 | 0.58 | 0.92 | 1.25 | 1.57   | 2.03 | 2.48 | 2.93 | 3.36 | 3.93 | 4.64 | 5.32 | 6.00 | 6.68 | 6.85   | 5.93 | 5.21 | 4.62 | 4.13 |
| 45                     | 0.13                                  | 0.25 | 0.66 | 1.05 | 1.42 | 1.78   | 2.31 | 2.82 | 3.32 | 3.82 | 4.47 | 5.26 | 6.05 | 6.82 | 7.58 | 8.17   | 7.08 | 6.21 | 5.51 | 4.93 |
| Lube                   | Type A                                |      |      |      |      | Type B |      |      |      |      |      |      |      |      |      | Type C |      |      |      |      |

Kilowatt Capacity Table

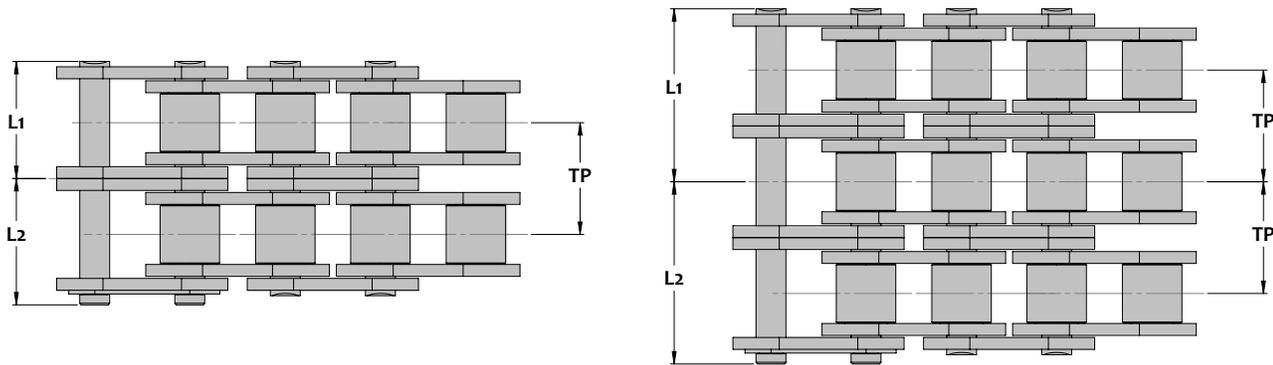
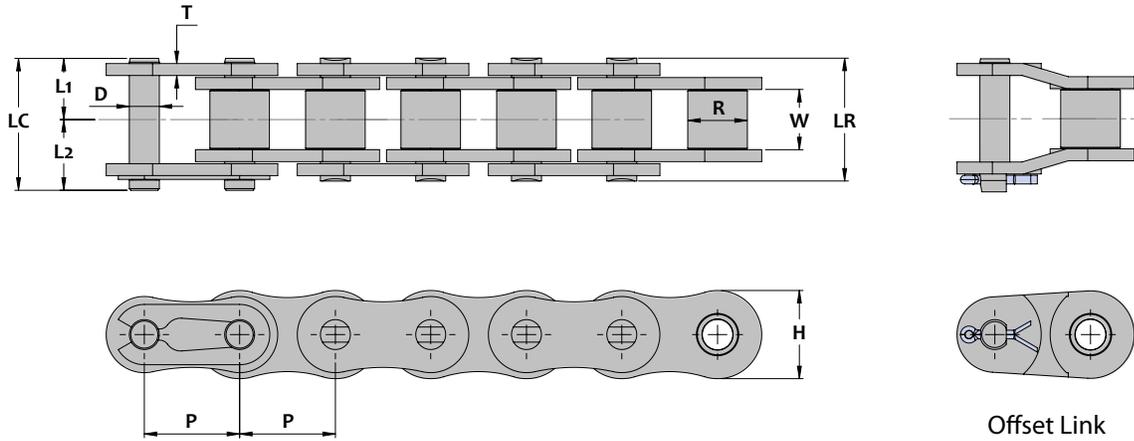
| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |      |      |      |      |        |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
|------------------------|---------------------------------------|------|------|------|------|--------|------|------|------|------|------|------|------|------|------|--------|------|------|------|------|
|                        | 50                                    | 100  | 300  | 500  | 700  | 900    | 1200 | 1500 | 1800 | 2100 | 2500 | 3000 | 3500 | 4000 | 4500 | 5000   | 5500 | 6000 | 6500 | 7000 |
| 9                      | 0.02                                  | 0.03 | 0.07 | 0.14 | 0.19 | 0.23   | 0.30 | 0.37 | 0.44 | 0.47 | 0.60 | 0.69 | 0.79 | 0.75 | 0.63 | 0.54   | 0.48 | 0.40 | 0.34 | 0.31 |
| 10                     | 0.02                                  | 0.04 | 0.09 | 0.16 | 0.21 | 0.26   | 0.34 | 0.42 | 0.49 | 0.55 | 0.66 | 0.78 | 0.89 | 0.89 | 0.75 | 0.64   | 0.56 | 0.48 | 0.42 | 0.38 |
| 11                     | 0.02                                  | 0.04 | 0.10 | 0.17 | 0.23 | 0.29   | 0.37 | 0.46 | 0.54 | 0.62 | 0.73 | 0.86 | 0.98 | 1.03 | 0.87 | 0.74   | 0.64 | 0.56 | 0.50 | 0.45 |
| 12                     | 0.02                                  | 0.04 | 0.12 | 0.19 | 0.25 | 0.32   | 0.41 | 0.51 | 0.60 | 0.69 | 0.80 | 0.94 | 1.08 | 1.17 | 0.98 | 0.84   | 0.72 | 0.64 | 0.57 | 0.51 |
| 13                     | 0.03                                  | 0.04 | 0.13 | 0.20 | 0.28 | 0.35   | 0.45 | 0.55 | 0.65 | 0.75 | 0.87 | 1.03 | 1.18 | 1.32 | 1.11 | 0.95   | 0.82 | 0.72 | 0.64 | 0.57 |
| 14                     | 0.03                                  | 0.05 | 0.14 | 0.22 | 0.30 | 0.37   | 0.48 | 0.60 | 0.70 | 0.81 | 0.95 | 1.11 | 1.28 | 1.44 | 1.24 | 1.06   | 0.92 | 0.81 | 0.72 | 0.64 |
| 15                     | 0.03                                  | 0.06 | 0.15 | 0.24 | 0.32 | 0.40   | 0.52 | 0.64 | 0.75 | 0.87 | 1.01 | 1.20 | 1.38 | 1.55 | 1.37 | 1.17   | 1.01 | 0.90 | 0.79 | 0.71 |
| 16                     | 0.03                                  | 0.06 | 0.16 | 0.25 | 0.35 | 0.43   | 0.57 | 0.69 | 0.81 | 0.93 | 1.09 | 1.28 | 1.48 | 1.66 | 1.51 | 1.29   | 1.12 | 0.98 | 0.87 | 0.78 |
| 17                     | 0.04                                  | 0.07 | 0.17 | 0.28 | 0.37 | 0.46   | 0.60 | 0.74 | 0.87 | 0.99 | 1.16 | 1.37 | 1.57 | 1.78 | 1.66 | 1.42   | 1.22 | 1.07 | 0.95 | 0.85 |
| 18                     | 0.04                                  | 0.07 | 0.19 | 0.29 | 0.40 | 0.49   | 0.64 | 0.78 | 0.93 | 1.06 | 1.24 | 1.46 | 1.68 | 1.89 | 1.81 | 1.54   | 1.34 | 1.17 | 1.04 | 0.93 |
| 19                     | 0.04                                  | 0.07 | 0.19 | 0.31 | 0.42 | 0.52   | 0.68 | 0.83 | 0.98 | 1.12 | 1.31 | 1.54 | 1.78 | 2.01 | 1.95 | 1.67   | 1.45 | 1.27 | 1.13 | 1.01 |
| 20                     | 0.04                                  | 0.07 | 0.21 | 0.33 | 0.44 | 0.55   | 0.72 | 0.87 | 1.03 | 1.19 | 1.39 | 1.63 | 1.88 | 2.12 | 2.11 | 1.81   | 1.57 | 1.37 | 1.22 | 1.09 |
| 21                     | 0.04                                  | 0.08 | 0.22 | 0.34 | 0.46 | 0.58   | 0.75 | 0.93 | 1.09 | 1.25 | 1.46 | 1.72 | 1.98 | 2.23 | 2.28 | 1.94   | 1.69 | 1.48 | 1.31 | 1.17 |
| 22                     | 0.04                                  | 0.08 | 0.23 | 0.36 | 0.49 | 0.61   | 0.80 | 0.97 | 1.14 | 1.31 | 1.54 | 1.81 | 2.08 | 2.35 | 2.44 | 2.08   | 1.81 | 1.58 | 1.40 | 1.26 |
| 23                     | 0.04                                  | 0.09 | 0.24 | 0.38 | 0.51 | 0.64   | 0.84 | 1.02 | 1.20 | 1.38 | 1.61 | 1.90 | 2.19 | 2.46 | 2.61 | 2.22   | 1.93 | 1.69 | 1.50 | 1.34 |
| 24                     | 0.05                                  | 0.10 | 0.25 | 0.40 | 0.54 | 0.67   | 0.87 | 1.07 | 1.26 | 1.45 | 1.69 | 1.99 | 2.29 | 2.58 | 2.78 | 2.37   | 2.06 | 1.81 | 1.60 | 1.43 |
| 25                     | 0.05                                  | 0.10 | 0.26 | 0.42 | 0.56 | 0.70   | 0.91 | 1.12 | 1.31 | 1.51 | 1.77 | 2.08 | 2.39 | 2.69 | 2.95 | 2.52   | 2.19 | 1.92 | 1.70 | 1.52 |
| 26                     | 0.05                                  | 0.10 | 0.28 | 0.43 | 0.59 | 0.73   | 0.95 | 1.16 | 1.37 | 1.57 | 1.84 | 2.17 | 2.49 | 2.81 | 3.13 | 2.68   | 2.32 | 2.04 | 1.81 | 1.62 |
| 28                     | 0.06                                  | 0.11 | 0.30 | 0.47 | 0.63 | 0.80   | 1.03 | 1.26 | 1.48 | 1.71 | 2.00 | 2.35 | 2.70 | 3.05 | 3.39 | 2.99   | 2.59 | 2.28 | 2.01 | 1.81 |
| 30                     | 0.06                                  | 0.12 | 0.32 | 0.51 | 0.69 | 0.86   | 1.11 | 1.36 | 1.60 | 1.84 | 2.15 | 2.54 | 2.91 | 3.28 | 3.65 | 3.32   | 2.87 | 2.52 | 2.24 | 2.00 |
| 32                     | 0.07                                  | 0.13 | 0.34 | 0.54 | 0.73 | 0.92   | 1.19 | 1.45 | 1.72 | 1.97 | 2.31 | 2.72 | 3.12 | 3.52 | 3.92 | 3.66   | 3.17 | 2.78 | 2.46 | 2.21 |
| 35                     | 0.07                                  | 0.14 | 0.38 | 0.60 | 0.81 | 1.01   | 1.31 | 1.60 | 1.89 | 2.17 | 2.54 | 2.99 | 3.44 | 3.88 | 4.31 | 3.73   | 3.63 | 3.18 | 2.82 | 2.52 |
| 40                     | 0.09                                  | 0.16 | 0.43 | 0.69 | 0.93 | 1.17   | 1.51 | 1.85 | 2.19 | 2.51 | 2.93 | 3.46 | 3.97 | 4.48 | 4.98 | 5.11   | 4.42 | 3.89 | 3.45 | 3.08 |
| 45                     | 0.10                                  | 0.19 | 0.49 | 0.78 | 1.06 | 1.33   | 1.72 | 2.10 | 2.48 | 2.85 | 3.33 | 3.92 | 4.51 | 5.09 | 5.65 | 6.09   | 5.28 | 4.63 | 4.11 | 3.68 |
| Lube                   | Type A                                |      |      |      |      | Type B |      |      |      |      |      |      |      |      |      | Type C |      |      |      |      |

Lube Type A: Manual or Drip Lubrication  
 Lube Type B: Bath or Slinger Disc Lubrication  
 Lube Type C: Oil Stream or Pressure Spray Lubrication

Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

|                     |     |     |     |     |     |
|---------------------|-----|-----|-----|-----|-----|
| Number of Strands   | 2   | 3   | 4   | 5   | 6   |
| Multi-Strand Factor | 1.7 | 2.5 | 3.3 | 3.9 | 4.6 |

# 35 ASME/ANSI Roller Chain



## Chain Dimensions

| Common Dimensions             |       |                   |                |                    |                |                        |                            |                            |                           |                      |
|-------------------------------|-------|-------------------|----------------|--------------------|----------------|------------------------|----------------------------|----------------------------|---------------------------|----------------------|
| MAXCO Chain Number            | Units | Chain Pitch P     | Inside Width W | Bushing Diameter R | Pin Diameter D | Link Plate Thickness T | Roller Link Plate Height H | Number of Links in 10ft/5m | Available Construction    |                      |
|                               |       |                   |                |                    |                |                        |                            |                            | Cot                       | Riv                  |
| 35                            | inch  | 0.375             | 0.188          | 0.200              | 0.141          | 0.050                  | 0.354                      | 320                        | No                        | Yes                  |
|                               | mm    | 9.525             | 4.78           | 5.08               | 3.58           | 1.25                   | 9.0                        | 526                        |                           |                      |
| Pin Lengths and Chain Ratings |       |                   |                |                    |                |                        |                            |                            |                           |                      |
| MAXCO Chain Number            | Units | Number of Strands | Pin Lengths    |                    |                |                        | Transverse Pitch TP        | Rated Working Load         | Average Ultimate Strength | Average Chain Weight |
|                               |       |                   | L1             | L2                 | LR             | LC                     |                            |                            |                           |                      |
| 35                            | inch  | 1                 | 0.24           | 0.27               | 0.47           | 0.51                   | -                          | 560                        | 2,430                     | 0.23                 |
|                               | mm    |                   | 6.0            | 6.9                | 12.0           | 12.9                   | -                          | 255                        | 1,105                     | 0.34                 |
| 35-2                          | inch  | 2                 | 0.44           | 0.47               | 0.87           | 0.91                   | 0.398                      | 840                        | 4,860                     | 0.42                 |
|                               | mm    |                   | 11.1           | 11.9               | 22.2           | 23.0                   | 10.1                       | 382                        | 2,210                     | 0.63                 |
| 35-3                          | inch  | 3                 | 0.63           | 0.67               | 1.27           | 1.30                   | 0.398                      | 1,230                      | 7,280                     | 0.62                 |
|                               | mm    |                   | 16.1           | 17.0               | 32.2           | 33.1                   | 10.1                       | 559                        | 3,310                     | 0.92                 |
| 35-4                          | inch  | 4                 | 0.83           | 0.87               | 1.67           | 1.70                   | 0.398                      | 1,620                      | 9,710                     | 0.82                 |
|                               | mm    |                   | 21.2           | 22.0               | 42.4           | 43.2                   | 10.1                       | 736                        | 4,415                     | 1.22                 |
| 35-5                          | inch  | 5                 | 1.03           | 1.06               | 2.06           | 2.09                   | 0.398                      | 1,910                      | 12,140                    | 1.05                 |
|                               | mm    |                   | 26.2           | 27.0               | 52.4           | 53.2                   | 10.1                       | 868                        | 5,520                     | 1.56                 |
| 35-6                          | inch  | 6                 | 1.23           | 1.27               | 2.46           | 2.50                   | 0.398                      | 2,250                      | 14,570                    | 1.27                 |
|                               | mm    |                   | 31.3           | 32.2               | 62.6           | 63.5                   | 10.1                       | 1,025                      | 6,620                     | 1.89                 |



# 35 ASME/ANSI Roller Chain

Horsepower Capacity Table

| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |      |      |        |      |      |       |       |       |       |       |       |       |        |       |       |      |      |      |      |
|------------------------|---------------------------------------|------|------|--------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|------|------|------|------|
|                        | 50                                    | 100  | 300  | 500    | 700  | 900  | 1200  | 1500  | 1800  | 2100  | 2500  | 3000  | 3500  | 4000   | 4500  | 5000  | 5500 | 6000 | 6500 | 7000 |
| 9                      | 0.11                                  | 0.21 | 0.56 | 0.90   | 1.22 | 1.53 | 1.97  | 2.41  | 2.84  | 3.26  | 2.86  | 2.17  | 1.73  | 1.41   | 1.18  | 1.01  | 0.87 | 0.76 | 0.68 | 0.62 |
| 10                     | 0.12                                  | 0.24 | 0.63 | 1.01   | 1.35 | 1.70 | 2.21  | 2.69  | 3.18  | 3.66  | 3.35  | 2.55  | 2.02  | 1.65   | 1.38  | 1.18  | 1.03 | 0.90 | 0.80 | 0.71 |
| 11                     | 0.13                                  | 0.27 | 0.70 | 1.11   | 1.50 | 1.89 | 2.45  | 2.99  | 3.53  | 4.05  | 3.86  | 2.94  | 2.33  | 1.90   | 1.60  | 1.37  | 1.18 | 1.03 | 0.92 | 0.82 |
| 12                     | 0.15                                  | 0.28 | 0.78 | 1.22   | 1.66 | 2.08 | 2.69  | 3.28  | 3.87  | 4.45  | 4.40  | 3.35  | 2.65  | 2.17   | 1.82  | 1.55  | 1.35 | 1.18 | 1.05 | 0.94 |
| 13                     | 0.17                                  | 0.31 | 0.84 | 1.33   | 1.81 | 2.27 | 2.94  | 3.58  | 4.22  | 4.85  | 4.96  | 3.78  | 2.99  | 2.45   | 2.05  | 1.76  | 1.51 | 1.34 | 1.18 | 1.06 |
| 14                     | 0.19                                  | 0.34 | 0.91 | 1.45   | 1.96 | 2.45 | 3.18  | 3.89  | 4.57  | 5.25  | 5.55  | 4.22  | 3.35  | 2.73   | 2.29  | 1.96  | 1.70 | 1.49 | 1.33 | 1.18 |
| 15                     | 0.20                                  | 0.36 | 0.98 | 1.55   | 2.10 | 2.64 | 3.42  | 4.18  | 4.93  | 5.67  | 6.15  | 4.68  | 3.71  | 3.04   | 2.55  | 2.17  | 1.89 | 1.65 | 1.46 | 1.31 |
| 16                     | 0.21                                  | 0.39 | 1.06 | 1.68   | 2.27 | 2.83 | 3.67  | 4.49  | 5.28  | 6.07  | 6.77  | 5.15  | 4.09  | 3.35   | 2.80  | 2.40  | 2.08 | 1.82 | 1.62 | 1.45 |
| 17                     | 0.23                                  | 0.42 | 1.13 | 1.78   | 2.41 | 3.03 | 3.91  | 4.79  | 5.64  | 6.49  | 7.43  | 5.64  | 4.48  | 3.66   | 3.07  | 2.63  | 2.28 | 2.00 | 1.77 | 1.58 |
| 18                     | 0.24                                  | 0.44 | 1.19 | 1.89   | 2.56 | 3.22 | 4.17  | 5.09  | 6.01  | 6.89  | 8.07  | 6.15  | 4.88  | 3.99   | 3.35  | 2.86  | 2.48 | 2.17 | 1.93 | 1.73 |
| 19                     | 0.25                                  | 0.47 | 1.27 | 2.01   | 2.72 | 3.40 | 4.42  | 5.40  | 6.37  | 7.31  | 8.55  | 6.68  | 5.29  | 4.33   | 3.63  | 3.10  | 2.68 | 2.36 | 2.09 | 1.88 |
| 20                     | 0.27                                  | 0.50 | 1.34 | 2.12   | 2.87 | 3.61 | 4.66  | 5.71  | 6.73  | 7.72  | 9.03  | 7.20  | 5.71  | 4.68   | 3.91  | 3.35  | 2.90 | 2.55 | 2.25 | 2.02 |
| 21                     | 0.28                                  | 0.52 | 1.41 | 2.24   | 3.03 | 3.79 | 4.92  | 6.02  | 7.09  | 8.15  | 9.53  | 7.75  | 6.15  | 5.03   | 4.22  | 3.61  | 3.12 | 2.73 | 2.43 | 2.17 |
| 22                     | 0.29                                  | 0.55 | 1.49 | 2.36   | 3.19 | 3.99 | 5.17  | 6.33  | 7.45  | 8.57  | 10.03 | 8.31  | 6.60  | 5.40   | 4.52  | 3.86  | 3.35 | 2.94 | 2.60 | 2.33 |
| 23                     | 0.31                                  | 0.58 | 1.55 | 2.47   | 3.34 | 4.20 | 5.43  | 6.64  | 7.83  | 8.98  | 10.51 | 8.89  | 7.05  | 5.76   | 4.84  | 4.13  | 3.58 | 3.14 | 2.79 | 2.49 |
| 24                     | 0.32                                  | 0.60 | 1.64 | 2.59   | 3.50 | 4.38 | 5.68  | 6.96  | 8.19  | 9.41  | 11.01 | 9.46  | 7.52  | 6.15   | 5.15  | 4.40  | 3.82 | 3.35 | 2.96 | 2.65 |
| 25                     | 0.34                                  | 0.63 | 1.70 | 2.71   | 3.66 | 4.58 | 5.94  | 7.27  | 8.57  | 9.84  | 11.50 | 10.07 | 7.99  | 6.54   | 5.48  | 4.68  | 4.06 | 3.55 | 3.15 | 2.83 |
| 26                     | 0.35                                  | 0.66 | 1.78 | 2.82   | 3.82 | 4.79 | 6.21  | 7.57  | 8.93  | 10.25 | 12.00 | 10.67 | 8.47  | 6.93   | 5.82  | 4.96  | 4.30 | 3.78 | 3.35 | 2.99 |
| 28                     | 0.39                                  | 0.72 | 1.93 | 3.06   | 4.13 | 5.19 | 6.72  | 8.20  | 9.68  | 11.11 | 13.00 | 11.93 | 9.46  | 7.75   | 6.49  | 5.55  | 4.81 | 4.22 | 3.74 | 3.35 |
| 30                     | 0.42                                  | 0.78 | 2.08 | 3.28   | 4.45 | 5.59 | 7.24  | 8.85  | 10.43 | 11.97 | 14.01 | 13.23 | 10.50 | 8.59   | 7.20  | 6.15  | 5.34 | 4.68 | 4.16 | 3.71 |
| 32                     | 0.44                                  | 0.83 | 2.23 | 3.53   | 4.77 | 5.99 | 7.76  | 9.48  | 11.18 | 12.84 | 15.01 | 14.57 | 11.57 | 9.46   | 7.94  | 6.77  | 5.87 | 5.15 | 4.57 | 4.09 |
| 35                     | 0.50                                  | 0.91 | 2.45 | 3.89   | 5.27 | 6.60 | 8.55  | 10.44 | 12.31 | 14.14 | 16.54 | 16.68 | 13.23 | 10.83  | 9.08  | 7.75  | 6.72 | 5.90 | 5.23 | 4.68 |
| 40                     | 0.56                                  | 1.06 | 2.84 | 4.49   | 6.07 | 7.61 | 9.87  | 12.06 | 14.22 | 16.34 | 19.12 | 20.38 | 16.17 | 13.23  | 11.09 | 9.46  | 8.20 | 7.20 | 6.39 | 5.71 |
| 45                     | 0.64                                  | 1.19 | 3.22 | 5.09   | 6.90 | 8.66 | 11.21 | 13.70 | 16.15 | 18.55 | 21.70 | 24.30 | 19.29 | 15.79  | 13.23 | 11.30 | 9.80 | 8.59 | 7.63 | 6.82 |
| Lube                   | Type A                                |      |      | Type B |      |      |       |       |       |       |       |       |       | Type C |       |       |      |      |      |      |

Kilowatt Capacity Table

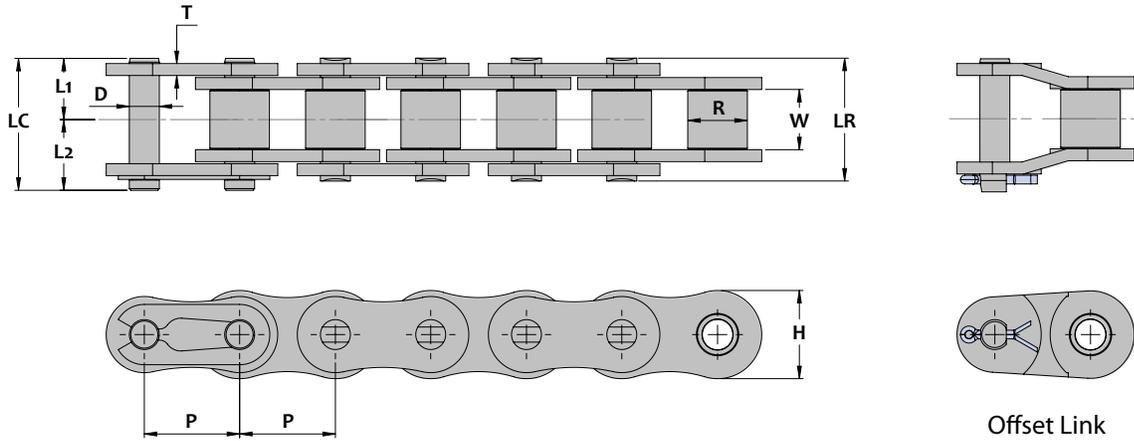
| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |      |      |        |      |      |      |       |       |       |       |       |       |        |      |      |      |      |      |      |
|------------------------|---------------------------------------|------|------|--------|------|------|------|-------|-------|-------|-------|-------|-------|--------|------|------|------|------|------|------|
|                        | 50                                    | 100  | 300  | 500    | 700  | 900  | 1200 | 1500  | 1800  | 2100  | 2500  | 3000  | 3500  | 4000   | 4500 | 5000 | 5500 | 6000 | 6500 | 7000 |
| 9                      | 0.08                                  | 0.16 | 0.42 | 0.67   | 0.91 | 1.14 | 1.47 | 1.80  | 2.12  | 2.43  | 2.13  | 1.62  | 1.29  | 1.05   | 0.88 | 0.75 | 0.65 | 0.57 | 0.51 | 0.46 |
| 10                     | 0.09                                  | 0.18 | 0.47 | 0.75   | 1.01 | 1.27 | 1.65 | 2.01  | 2.37  | 2.73  | 2.50  | 1.90  | 1.51  | 1.23   | 1.03 | 0.88 | 0.77 | 0.67 | 0.60 | 0.53 |
| 11                     | 0.10                                  | 0.20 | 0.52 | 0.83   | 1.12 | 1.41 | 1.83 | 2.23  | 2.63  | 3.02  | 2.88  | 2.19  | 1.74  | 1.42   | 1.19 | 1.02 | 0.88 | 0.77 | 0.69 | 0.61 |
| 12                     | 0.11                                  | 0.21 | 0.58 | 0.91   | 1.24 | 1.55 | 2.01 | 2.45  | 2.89  | 3.32  | 3.28  | 2.50  | 1.98  | 1.62   | 1.36 | 1.16 | 1.01 | 0.88 | 0.78 | 0.70 |
| 13                     | 0.13                                  | 0.23 | 0.63 | 0.99   | 1.35 | 1.69 | 2.19 | 2.67  | 3.15  | 3.62  | 3.70  | 2.82  | 2.23  | 1.83   | 1.53 | 1.31 | 1.13 | 1.00 | 0.88 | 0.79 |
| 14                     | 0.14                                  | 0.25 | 0.68 | 1.08   | 1.46 | 1.83 | 2.37 | 2.90  | 3.41  | 3.92  | 4.14  | 3.15  | 2.50  | 2.04   | 1.71 | 1.46 | 1.27 | 1.11 | 0.99 | 0.88 |
| 15                     | 0.15                                  | 0.27 | 0.73 | 1.16   | 1.57 | 1.97 | 2.55 | 3.12  | 3.68  | 4.23  | 4.59  | 3.49  | 2.77  | 2.27   | 1.90 | 1.62 | 1.41 | 1.23 | 1.09 | 0.98 |
| 16                     | 0.16                                  | 0.29 | 0.79 | 1.25   | 1.69 | 2.11 | 2.74 | 3.35  | 3.94  | 4.53  | 5.05  | 3.84  | 3.05  | 2.50   | 2.09 | 1.79 | 1.55 | 1.36 | 1.21 | 1.08 |
| 17                     | 0.17                                  | 0.31 | 0.84 | 1.33   | 1.80 | 2.26 | 2.92 | 3.57  | 4.21  | 4.84  | 5.54  | 4.21  | 3.34  | 2.73   | 2.29 | 1.96 | 1.70 | 1.49 | 1.32 | 1.18 |
| 18                     | 0.18                                  | 0.33 | 0.89 | 1.41   | 1.91 | 2.40 | 3.11 | 3.80  | 4.48  | 5.14  | 6.02  | 4.59  | 3.64  | 2.98   | 2.50 | 2.13 | 1.85 | 1.62 | 1.44 | 1.29 |
| 19                     | 0.19                                  | 0.35 | 0.95 | 1.50   | 2.03 | 2.54 | 3.30 | 4.03  | 4.75  | 5.45  | 6.38  | 4.98  | 3.95  | 3.23   | 2.71 | 2.31 | 2.00 | 1.76 | 1.56 | 1.40 |
| 20                     | 0.20                                  | 0.37 | 1.00 | 1.58   | 2.14 | 2.69 | 3.48 | 4.26  | 5.02  | 5.76  | 6.74  | 5.37  | 4.26  | 3.49   | 2.92 | 2.50 | 2.16 | 1.90 | 1.68 | 1.51 |
| 21                     | 0.21                                  | 0.39 | 1.05 | 1.67   | 2.26 | 2.83 | 3.67 | 4.49  | 5.29  | 6.08  | 7.11  | 5.78  | 4.59  | 3.75   | 3.15 | 2.69 | 2.33 | 2.04 | 1.81 | 1.62 |
| 22                     | 0.22                                  | 0.41 | 1.11 | 1.76   | 2.38 | 2.98 | 3.86 | 4.72  | 5.56  | 6.39  | 7.48  | 6.20  | 4.92  | 4.03   | 3.37 | 2.88 | 2.50 | 2.19 | 1.94 | 1.74 |
| 23                     | 0.23                                  | 0.43 | 1.16 | 1.84   | 2.49 | 3.13 | 4.05 | 4.95  | 5.84  | 6.70  | 7.84  | 6.63  | 5.26  | 4.30   | 3.61 | 3.08 | 2.67 | 2.34 | 2.08 | 1.86 |
| 24                     | 0.24                                  | 0.45 | 1.22 | 1.93   | 2.61 | 3.27 | 4.24 | 5.19  | 6.11  | 7.02  | 8.21  | 7.06  | 5.61  | 4.59   | 3.84 | 3.28 | 2.85 | 2.50 | 2.21 | 1.98 |
| 25                     | 0.25                                  | 0.47 | 1.27 | 2.02   | 2.73 | 3.42 | 4.43 | 5.42  | 6.39  | 7.34  | 8.58  | 7.51  | 5.96  | 4.88   | 4.09 | 3.49 | 3.03 | 2.65 | 2.35 | 2.11 |
| 26                     | 0.26                                  | 0.49 | 1.33 | 2.10   | 2.85 | 3.57 | 4.63 | 5.65  | 6.66  | 7.65  | 8.95  | 7.96  | 6.32  | 5.17   | 4.34 | 3.70 | 3.21 | 2.82 | 2.50 | 2.23 |
| 28                     | 0.29                                  | 0.54 | 1.44 | 2.28   | 3.08 | 3.87 | 5.01 | 6.12  | 7.22  | 8.29  | 9.70  | 8.90  | 7.06  | 5.78   | 4.84 | 4.14 | 3.59 | 3.15 | 2.79 | 2.50 |
| 30                     | 0.31                                  | 0.58 | 1.55 | 2.45   | 3.32 | 4.17 | 5.40 | 6.60  | 7.78  | 8.93  | 10.45 | 9.87  | 7.83  | 6.41   | 5.37 | 4.59 | 3.98 | 3.49 | 3.10 | 2.77 |
| 32                     | 0.33                                  | 0.62 | 1.66 | 2.63   | 3.56 | 4.47 | 5.79 | 7.07  | 8.34  | 9.58  | 11.20 | 10.87 | 8.63  | 7.06   | 5.92 | 5.05 | 4.38 | 3.84 | 3.41 | 3.05 |
| 35                     | 0.37                                  | 0.68 | 1.83 | 2.90   | 3.93 | 4.92 | 6.38 | 7.79  | 9.18  | 10.55 | 12.34 | 12.44 | 9.87  | 8.08   | 6.77 | 5.78 | 5.01 | 4.40 | 3.90 | 3.49 |
| 40                     | 0.42                                  | 0.79 | 2.12 | 3.35   | 4.53 | 5.68 | 7.36 | 9.00  | 10.61 | 12.19 | 14.26 | 15.20 | 12.06 | 9.87   | 8.27 | 7.06 | 6.12 | 5.37 | 4.77 | 4.26 |
| 45                     | 0.48                                  | 0.89 | 2.40 | 3.80   | 5.15 | 6.46 | 8.36 | 10.22 | 12.05 | 13.84 | 16.19 | 18.13 | 14.39 | 11.78  | 9.87 | 8.43 | 7.31 | 6.41 | 5.69 | 5.09 |
| Lube                   | Type A                                |      |      | Type B |      |      |      |       |       |       |       |       |       | Type C |      |      |      |      |      |      |

Lube Type A: Manual or Drip Lubrication  
 Lube Type B: Bath or Slinger Disc Lubrication  
 Lube Type C: Oil Stream or Pressure Spray Lubrication

Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

|                     |     |     |     |     |     |
|---------------------|-----|-----|-----|-----|-----|
| Number of Strands   | 2   | 3   | 4   | 5   | 6   |
| Multi-Strand Factor | 1.7 | 2.5 | 3.3 | 3.9 | 4.6 |

## 41 ASME/ANSI Roller Chain



### Chain Dimensions

| Common Dimensions             |       |                   |                |                   |                |                        |                            |                             |                                    |                                  |
|-------------------------------|-------|-------------------|----------------|-------------------|----------------|------------------------|----------------------------|-----------------------------|------------------------------------|----------------------------------|
| MAXCO Chain Number            | Units | Chain Pitch P     | Inside Width W | Roller Diameter R | Pin Diameter D | Link Plate Thickness T | Roller Link Plate Height H | Number of Links in 10ft/5m  | Available Construction             |                                  |
|                               |       |                   |                |                   |                |                        |                            |                             | Cottered                           | Riveted                          |
| 41                            | inch  | 0.500             | 0.250          | 0.306             | 0.141          | 0.050                  | 0.382                      | 240                         | No                                 | Yes                              |
|                               | mm    | 12.70             | 6.35           | 7.77              | 3.58           | 1.25                   | 9.7                        | 394                         |                                    |                                  |
| Pin Lengths and Chain Ratings |       |                   |                |                   |                |                        |                            |                             |                                    |                                  |
| MAXCO Chain Number            | Units | Number of Strands | Pin Lengths    |                   |                |                        | Transverse Pitch TP        | Rated Working Load Lbs Kg-f | Average Ultimate Strength Lbs Kg-f | Average Chain Weight Lbs/ft Kg/m |
|                               |       |                   | L1             | L2                | LR             | LC                     |                            |                             |                                    |                                  |
| 41                            | inch  | 1                 | 0.26           | 0.31              | 0.52           | 0.57                   | -                          | 500                         | 2,600                              | 0.30                             |
|                               | mm    |                   | 6.6            | 7.9               | 13.2           | 14.5                   | -                          | 227                         | 1,180                              | 0.45                             |

# 41 ASME/ANSI Roller Chain

Horsepower Capacity Table

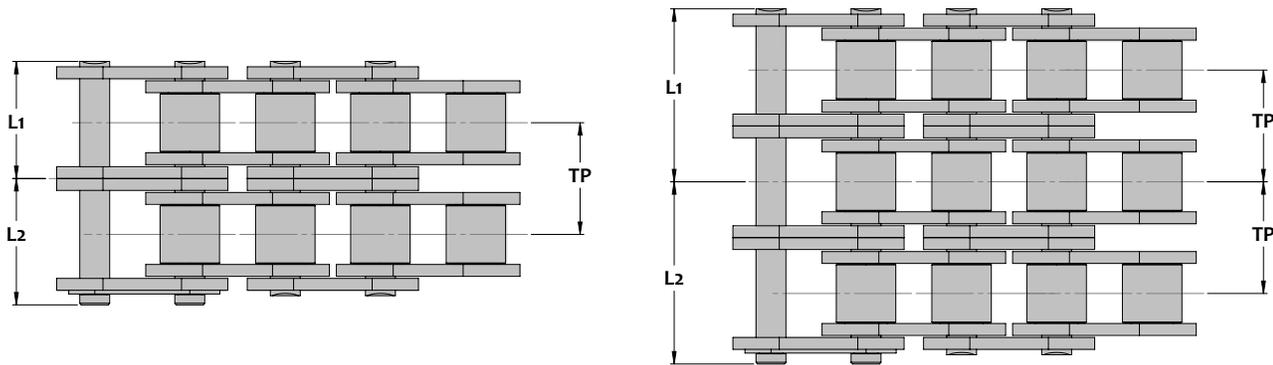
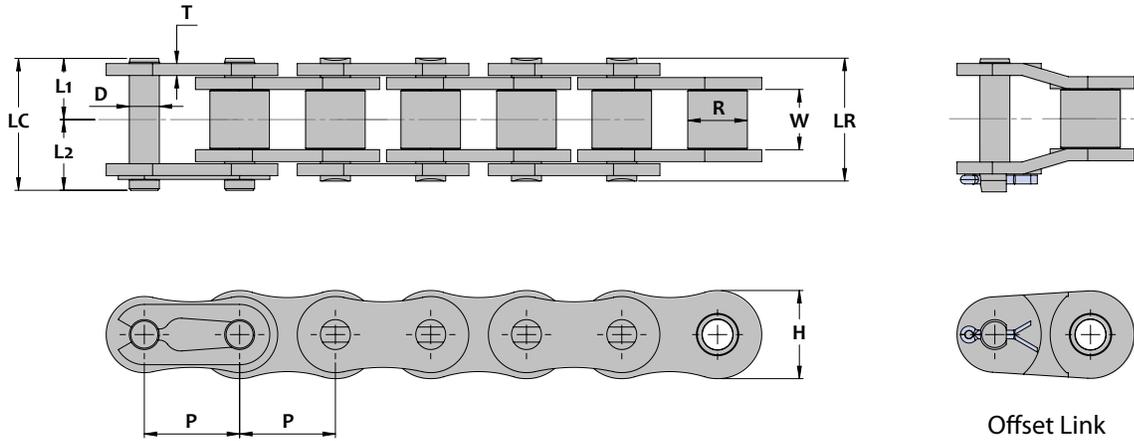
| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |      |      |      |      |        |      |      |      |       |       |       |       |      |      |        |      |      |      |      |
|------------------------|---------------------------------------|------|------|------|------|--------|------|------|------|-------|-------|-------|-------|------|------|--------|------|------|------|------|
|                        | 10                                    | 25   | 50   | 100  | 200  | 300    | 400  | 500  | 700  | 900   | 1000  | 1200  | 1400  | 1600 | 1800 | 2100   | 2400 | 2700 | 3000 | 3500 |
| 9                      | 0.03                                  | 0.08 | 0.16 | 0.25 | 0.48 | 0.66   | 0.86 | 1.06 | 1.43 | 1.77  | 1.80  | 1.25  | 0.98  | 0.71 | 0.67 | 0.57   | 0.46 | 0.38 | 0.33 | 0.26 |
| 10                     | 0.04                                  | 0.08 | 0.17 | 0.28 | 0.53 | 0.74   | 0.96 | 1.18 | 1.60 | 1.99  | 2.05  | 1.48  | 1.17  | 0.96 | 0.80 | 0.65   | 0.53 | 0.44 | 0.38 | 0.30 |
| 11                     | 0.04                                  | 0.09 | 0.18 | 0.31 | 0.58 | 0.82   | 1.06 | 1.30 | 1.76 | 2.20  | 2.27  | 1.71  | 1.36  | 1.11 | 0.93 | 0.74   | 0.61 | 0.51 | 0.43 | 0.34 |
| 12                     | 0.04                                  | 0.09 | 0.19 | 0.34 | 0.63 | 0.90   | 1.17 | 1.42 | 1.93 | 2.41  | 2.59  | 1.95  | 1.55  | 1.27 | 1.06 | 0.84   | 0.69 | 0.58 | 0.49 | 0.39 |
| 13                     | 0.04                                  | 0.11 | 0.20 | 0.36 | 0.68 | 0.98   | 1.27 | 1.55 | 2.10 | 2.63  | 2.90  | 2.30  | 1.75  | 1.43 | 1.20 | 0.95   | 0.78 | 0.65 | 0.56 | 0.44 |
| 14                     | 0.05                                  | 0.11 | 0.21 | 0.39 | 0.74 | 1.06   | 1.37 | 1.68 | 2.28 | 2.85  | 3.14  | 2.46  | 1.95  | 1.60 | 1.34 | 1.06   | 0.87 | 0.73 | 0.62 | 0.49 |
| 15                     | 0.05                                  | 0.12 | 0.23 | 0.43 | 0.79 | 1.14   | 1.47 | 1.81 | 2.45 | 3.07  | 3.38  | 2.73  | 2.17  | 1.77 | 1.49 | 1.18   | 0.96 | 0.81 | 0.69 | 0.55 |
| 16                     | 0.05                                  | 0.13 | 0.24 | 0.46 | 0.84 | 1.22   | 1.58 | 1.94 | 2.63 | 3.30  | 3.62  | 3.01  | 2.39  | 1.95 | 1.64 | 1.30   | 1.06 | 0.89 | 0.76 | 0.60 |
| 17                     | 0.07                                  | 0.13 | 0.25 | 0.49 | 0.91 | 1.31   | 1.69 | 2.08 | 2.80 | 3.51  | 3.86  | 3.29  | 2.61  | 2.14 | 1.79 | 1.42   | 1.16 | 0.98 | 0.83 | 0.66 |
| 18                     | 0.07                                  | 0.15 | 0.28 | 0.52 | 0.97 | 1.39   | 1.80 | 2.20 | 2.98 | 3.74  | 4.11  | 3.59  | 2.55  | 2.33 | 1.95 | 1.55   | 1.27 | 1.06 | 0.91 | 0.72 |
| 19                     | 0.07                                  | 0.16 | 0.29 | 0.55 | 1.02 | 1.47   | 1.90 | 2.33 | 3.16 | 3.97  | 4.36  | 3.89  | 2.99  | 2.53 | 2.12 | 1.68   | 1.38 | 1.15 | 0.98 | 0.78 |
| 20                     | 0.07                                  | 0.16 | 0.31 | 0.58 | 1.09 | 1.55   | 2.02 | 2.47 | 3.34 | 4.20  | 4.61  | 4.24  | 3.33  | 2.73 | 2.29 | 1.81   | 1.49 | 1.24 | 1.06 | 0.84 |
| 21                     | 0.08                                  | 0.17 | 0.32 | 0.62 | 1.14 | 1.65   | 2.13 | 2.60 | 3.52 | 4.41  | 4.85  | 4.56  | 3.59  | 2.94 | 2.46 | 1.95   | 1.60 | 1.34 | 1.14 | 0.91 |
| 22                     | 0.08                                  | 0.19 | 0.35 | 0.64 | 1.19 | 1.73   | 2.22 | 2.73 | 3.70 | 4.64  | 5.11  | 4.88  | 3.85  | 3.15 | 2.64 | 2.09   | 1.71 | 1.44 | 1.23 | 0.97 |
| 23                     | 0.08                                  | 0.19 | 0.36 | 0.67 | 1.26 | 1.81   | 2.35 | 2.87 | 3.89 | 4.87  | 5.36  | 5.21  | 4.11  | 3.37 | 2.82 | 2.24   | 1.83 | 1.54 | 1.31 | 1.04 |
| 24                     | 0.09                                  | 0.20 | 0.38 | 0.71 | 1.31 | 1.90   | 2.45 | 3.00 | 4.07 | 5.11  | 5.60  | 5.56  | 4.38  | 3.59 | 3.01 | 2.39   | 1.95 | 1.64 | 1.40 | 1.11 |
| 25                     | 0.09                                  | 0.21 | 0.40 | 0.74 | 1.38 | 1.98   | 2.57 | 3.14 | 4.25 | 5.33  | 5.86  | 5.91  | 4.66  | 3.81 | 3.20 | 2.54   | 2.08 | 1.74 | 1.49 | 1.18 |
| 26                     | 0.09                                  | 0.23 | 0.42 | 0.76 | 1.43 | 2.06   | 2.68 | 3.28 | 4.44 | 5.56  | 6.11  | 6.27  | 4.94  | 4.05 | 3.39 | 2.69   | 2.20 | 1.85 | 1.58 | 1.25 |
| 28                     | 0.11                                  | 0.24 | 0.44 | 0.83 | 1.55 | 2.24   | 2.91 | 3.55 | 4.81 | 6.03  | 6.62  | 7.01  | 5.52  | 4.52 | 3.79 | 3.01   | 2.46 | 2.06 | 1.76 | 1.40 |
| 30                     | 0.11                                  | 0.25 | 0.48 | 0.90 | 1.68 | 2.41   | 3.12 | 3.82 | 5.17 | 6.49  | 7.13  | 7.77  | 6.13  | 5.01 | 4.20 | 3.33   | 2.73 | 2.29 | 1.95 | 1.55 |
| 32                     | 0.12                                  | 0.28 | 0.51 | 0.97 | 1.80 | 2.59   | 3.36 | 4.10 | 5.55 | 6.96  | 7.65  | 8.56  | 6.75  | 5.52 | 4.63 | 3.67   | 3.01 | 2.52 | 2.15 | 1.71 |
| 35                     | 0.13                                  | 0.31 | 0.58 | 1.06 | 1.98 | 2.85   | 3.70 | 4.52 | 6.11 | 7.67  | 8.43  | 9.80  | 7.72  | 6.32 | 5.29 | 4.20   | 3.44 | 2.88 | 2.46 | 1.95 |
| 40                     | 0.16                                  | 0.35 | 0.66 | 1.23 | 2.29 | 3.30   | 4.26 | 5.21 | 7.06 | 8.86  | 9.73  | 11.50 | 9.43  | 7.72 | 6.47 | 5.13   | 4.20 | 3.52 | 3.01 | 2.39 |
| 45                     | 0.17                                  | 0.40 | 0.75 | 1.39 | 2.60 | 3.74   | 4.85 | 5.92 | 8.03 | 10.10 | 11.10 | 13.00 | 11.30 | 9.21 | 7.72 | 6.13   | 5.01 | 4.20 | 3.59 | 2.85 |
| Lube                   | Type A                                |      |      |      |      | Type B |      |      |      |       |       |       |       |      |      | Type C |      |      |      |      |

Kilowatt Capacity Table

| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |      |      |      |      |        |      |      |      |      |      |      |      |      |      |        |      |      |      |      |
|------------------------|---------------------------------------|------|------|------|------|--------|------|------|------|------|------|------|------|------|------|--------|------|------|------|------|
|                        | 10                                    | 25   | 50   | 100  | 200  | 300    | 400  | 500  | 700  | 900  | 1000 | 1200 | 1400 | 1600 | 1800 | 2100   | 2400 | 2700 | 3000 | 3500 |
| 9                      | 0.02                                  | 0.06 | 0.12 | 0.19 | 0.36 | 0.49   | 0.64 | 0.79 | 1.07 | 1.32 | 1.34 | 0.93 | 0.73 | 0.53 | 0.50 | 0.43   | 0.34 | 0.28 | 0.25 | 0.19 |
| 10                     | 0.03                                  | 0.06 | 0.13 | 0.21 | 0.40 | 0.55   | 0.72 | 0.88 | 1.19 | 1.48 | 1.53 | 1.10 | 0.87 | 0.72 | 0.60 | 0.48   | 0.40 | 0.33 | 0.28 | 0.22 |
| 11                     | 0.03                                  | 0.07 | 0.13 | 0.23 | 0.43 | 0.61   | 0.79 | 0.97 | 1.31 | 1.64 | 1.69 | 1.28 | 1.01 | 0.83 | 0.69 | 0.55   | 0.46 | 0.38 | 0.32 | 0.25 |
| 12                     | 0.03                                  | 0.07 | 0.14 | 0.25 | 0.47 | 0.67   | 0.87 | 1.06 | 1.44 | 1.80 | 1.93 | 1.45 | 1.16 | 0.95 | 0.79 | 0.63   | 0.51 | 0.43 | 0.37 | 0.29 |
| 13                     | 0.03                                  | 0.08 | 0.15 | 0.27 | 0.51 | 0.73   | 0.95 | 1.16 | 1.57 | 1.96 | 2.16 | 1.72 | 1.31 | 1.07 | 0.90 | 0.71   | 0.58 | 0.48 | 0.42 | 0.33 |
| 14                     | 0.04                                  | 0.08 | 0.16 | 0.29 | 0.55 | 0.79   | 1.02 | 1.25 | 1.70 | 2.13 | 2.34 | 1.84 | 1.45 | 1.19 | 1.00 | 0.79   | 0.65 | 0.54 | 0.46 | 0.37 |
| 15                     | 0.04                                  | 0.09 | 0.17 | 0.32 | 0.59 | 0.85   | 1.10 | 1.35 | 1.83 | 2.29 | 2.52 | 2.04 | 1.62 | 1.32 | 1.11 | 0.88   | 0.72 | 0.60 | 0.51 | 0.41 |
| 16                     | 0.04                                  | 0.10 | 0.18 | 0.34 | 0.63 | 0.91   | 1.18 | 1.45 | 1.96 | 2.46 | 2.70 | 2.25 | 1.78 | 1.45 | 1.22 | 0.97   | 0.79 | 0.66 | 0.57 | 0.45 |
| 17                     | 0.05                                  | 0.10 | 0.19 | 0.37 | 0.68 | 0.98   | 1.26 | 1.55 | 2.09 | 2.62 | 2.88 | 2.45 | 1.95 | 1.60 | 1.34 | 1.06   | 0.87 | 0.73 | 0.62 | 0.49 |
| 18                     | 0.05                                  | 0.11 | 0.21 | 0.39 | 0.72 | 1.04   | 1.34 | 1.64 | 2.22 | 2.79 | 3.07 | 2.68 | 1.90 | 1.74 | 1.45 | 1.16   | 0.95 | 0.79 | 0.68 | 0.54 |
| 19                     | 0.05                                  | 0.12 | 0.22 | 0.41 | 0.76 | 1.10   | 1.42 | 1.74 | 2.36 | 2.96 | 3.25 | 2.90 | 2.23 | 1.89 | 1.58 | 1.25   | 1.03 | 0.86 | 0.73 | 0.58 |
| 20                     | 0.05                                  | 0.12 | 0.23 | 0.43 | 0.81 | 1.16   | 1.51 | 1.84 | 2.49 | 3.13 | 3.44 | 3.16 | 2.48 | 2.04 | 1.71 | 1.35   | 1.11 | 0.93 | 0.79 | 0.63 |
| 21                     | 0.06                                  | 0.13 | 0.24 | 0.46 | 0.85 | 1.23   | 1.59 | 1.94 | 2.63 | 3.29 | 3.62 | 3.40 | 2.68 | 2.19 | 1.84 | 1.45   | 1.19 | 1.00 | 0.85 | 0.68 |
| 22                     | 0.06                                  | 0.14 | 0.26 | 0.48 | 0.89 | 1.29   | 1.66 | 2.04 | 2.76 | 3.46 | 3.81 | 3.64 | 2.87 | 2.35 | 1.97 | 1.56   | 1.28 | 1.07 | 0.92 | 0.72 |
| 23                     | 0.06                                  | 0.14 | 0.27 | 0.50 | 0.94 | 1.35   | 1.75 | 2.14 | 2.90 | 3.63 | 4.00 | 3.89 | 3.07 | 2.51 | 2.10 | 1.67   | 1.37 | 1.15 | 0.98 | 0.78 |
| 24                     | 0.07                                  | 0.15 | 0.28 | 0.53 | 0.98 | 1.42   | 1.83 | 2.24 | 3.04 | 3.81 | 4.18 | 4.15 | 3.27 | 2.68 | 2.25 | 1.78   | 1.45 | 1.22 | 1.04 | 0.83 |
| 25                     | 0.07                                  | 0.16 | 0.30 | 0.55 | 1.03 | 1.48   | 1.92 | 2.34 | 3.17 | 3.98 | 4.37 | 4.41 | 3.48 | 2.84 | 2.39 | 1.89   | 1.55 | 1.30 | 1.11 | 0.88 |
| 26                     | 0.07                                  | 0.17 | 0.31 | 0.57 | 1.07 | 1.54   | 2.00 | 2.45 | 3.31 | 4.15 | 4.56 | 4.68 | 3.69 | 3.02 | 2.53 | 2.01   | 1.64 | 1.38 | 1.18 | 0.93 |
| 28                     | 0.08                                  | 0.18 | 0.33 | 0.62 | 1.16 | 1.67   | 2.17 | 2.65 | 3.59 | 4.50 | 4.94 | 5.23 | 4.12 | 3.37 | 2.83 | 2.25   | 1.84 | 1.54 | 1.31 | 1.04 |
| 30                     | 0.08                                  | 0.19 | 0.36 | 0.67 | 1.25 | 1.80   | 2.33 | 2.85 | 3.86 | 4.84 | 5.32 | 5.80 | 4.57 | 3.74 | 3.13 | 2.48   | 2.04 | 1.71 | 1.45 | 1.16 |
| 32                     | 0.09                                  | 0.21 | 0.38 | 0.72 | 1.34 | 1.93   | 2.51 | 3.06 | 4.14 | 5.19 | 5.71 | 6.39 | 5.04 | 4.12 | 3.45 | 2.74   | 2.25 | 1.88 | 1.60 | 1.28 |
| 35                     | 0.10                                  | 0.23 | 0.43 | 0.79 | 1.48 | 2.13   | 2.76 | 3.37 | 4.56 | 5.72 | 6.29 | 7.31 | 5.76 | 4.71 | 3.95 | 3.13   | 2.57 | 2.15 | 1.84 | 1.45 |
| 40                     | 0.12                                  | 0.26 | 0.49 | 0.92 | 1.71 | 2.46   | 3.18 | 3.89 | 5.27 | 6.61 | 7.26 | 8.58 | 7.03 | 5.76 | 4.83 | 3.83   | 3.13 | 2.63 | 2.25 | 1.78 |
| 45                     | 0.13                                  | 0.30 | 0.56 | 1.04 | 1.94 | 2.79   | 3.62 | 4.42 | 5.99 | 7.53 | 8.28 | 9.70 | 8.43 | 6.87 | 5.76 | 4.57   | 3.74 | 3.13 | 2.68 | 2.13 |
| Lube                   | Type A                                |      |      |      |      | Type B |      |      |      |      |      |      |      |      |      | Type C |      |      |      |      |

Lube Type A: Manual or Drip Lubrication  
 Lube Type B: Bath or Slinger Disc Lubrication  
 Lube Type C: Oil Stream or Pressure Spray Lubrication

# 40 ASME/ANSI Roller Chain



## Chain Dimensions

| Common Dimensions             |       |                   |                |                   |                |                        |                            |                            |                           |                      |
|-------------------------------|-------|-------------------|----------------|-------------------|----------------|------------------------|----------------------------|----------------------------|---------------------------|----------------------|
| MAXCO Chain Number            | Units | Chain Pitch P     | Inside Width W | Roller Diameter R | Pin Diameter D | Link Plate Thickness T | Roller Link Plate Height H | Number of Links in 10ft/5m | Available Construction    |                      |
| 40                            | inch  | 0.500             | 0.313          | 0.312             | 0.156          | 0.060                  | 0.461                      | 240                        | No                        | Yes                  |
|                               | mm    | 12.70             | 7.95           | 7.92              | 3.96           | 1.5                    | 11.7                       | 394                        |                           |                      |
| Pin Lengths and Chain Ratings |       |                   |                |                   |                |                        |                            |                            |                           |                      |
| MAXCO Chain Number            | Units | Number of Strands | Pin Lengths    |                   |                |                        | Transverse Pitch TP        | Rated Working Load         | Average Ultimate Strength | Average Chain Weight |
|                               |       |                   | L1             | L2                | LR             | LC                     |                            |                            |                           |                      |
| 40                            | inch  | 1                 | 0.33           | 0.38              | 0.65           | 0.70                   | -                          | 940                        | 4,300                     | 0.40                 |
|                               | mm    |                   | 8.3            | 9.6               | 16.6           | 17.9                   | -                          | 427                        | 1,955                     | 0.60                 |
| 40-2                          | inch  | 2                 | 0.61           | 0.66              | 1.21           | 1.27                   | 0.567                      | 1,400                      | 8,600                     | 0.82                 |
|                               | mm    |                   | 15.4           | 16.8              | 30.8           | 32.2                   | 14.4                       | 636                        | 3,910                     | 1.22                 |
| 40-3                          | inch  | 3                 | 0.89           | 0.95              | 1.77           | 1.83                   | 0.567                      | 2,050                      | 12,900                    | 1.24                 |
|                               | mm    |                   | 22.5           | 24.1              | 45.0           | 46.6                   | 14.4                       | 932                        | 5,865                     | 1.85                 |
| 40-4                          | inch  | 4                 | 1.18           | 1.21              | 2.36           | 2.39                   | 0.567                      | 2,700                      | 17,200                    | 1.65                 |
|                               | mm    |                   | 30.0           | 30.8              | 60.0           | 60.8                   | 14.4                       | 1,225                      | 7,820                     | 2.46                 |
| 40-5                          | inch  | 5                 | 1.47           | 1.51              | 2.94           | 2.98                   | 0.567                      | 3,200                      | 21,500                    | 2.11                 |
|                               | mm    |                   | 37.3           | 38.3              | 74.6           | 75.6                   | 14.4                       | 1,455                      | 9,775                     | 3.14                 |
| 40-6                          | inch  | 6                 | 1.75           | 1.79              | 3.50           | 3.54                   | 0.567                      | 3,770                      | 25,800                    | 2.22                 |
|                               | mm    |                   | 44.5           | 45.4              | 89.0           | 89.9                   | 14.4                       | 1,715                      | 11,725                    | 3.31                 |



# 40 ASME/ANSI Roller Chain

Horsepower Capacity Table

| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |      |      |      |      |        |      |       |       |       |       |       |       |       |       |        |       |       |       |       |
|------------------------|---------------------------------------|------|------|------|------|--------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
|                        | 10                                    | 25   | 50   | 100  | 200  | 300    | 400  | 500   | 700   | 900   | 1000  | 1200  | 1400  | 1600  | 1800  | 2100   | 2400  | 2700  | 3000  | 3500  |
| 9                      | 0.07                                  | 0.15 | 0.27 | 0.50 | 0.92 | 1.34   | 1.74 | 2.12  | 2.87  | 3.61  | 3.95  | 4.66  | 5.03  | 4.12  | 3.46  | 2.73   | 2.24  | 1.88  | 1.61  | 1.27  |
| 10                     | 0.07                                  | 0.16 | 0.29 | 0.56 | 1.05 | 1.50   | 1.94 | 2.37  | 3.22  | 4.03  | 4.44  | 5.23  | 5.90  | 4.83  | 4.05  | 3.20   | 2.63  | 2.20  | 1.88  | 1.49  |
| 11                     | 0.08                                  | 0.17 | 0.34 | 0.62 | 1.15 | 1.66   | 2.16 | 2.64  | 3.57  | 4.48  | 4.92  | 5.79  | 6.66  | 5.56  | 4.66  | 3.70   | 3.03  | 2.53  | 2.17  | 1.72  |
| 12                     | 0.08                                  | 0.20 | 0.36 | 0.68 | 1.27 | 1.82   | 2.37 | 2.90  | 3.91  | 4.92  | 5.40  | 6.37  | 7.32  | 6.34  | 5.31  | 4.22   | 3.46  | 2.90  | 2.47  | 1.96  |
| 13                     | 0.09                                  | 0.21 | 0.40 | 0.74 | 1.38 | 2.00   | 2.59 | 3.15  | 4.28  | 5.36  | 5.88  | 6.94  | 7.98  | 7.14  | 5.99  | 4.76   | 3.89  | 3.26  | 2.79  | 2.21  |
| 14                     | 0.11                                  | 0.23 | 0.43 | 0.80 | 1.50 | 2.16   | 2.80 | 3.42  | 4.62  | 5.80  | 6.38  | 7.52  | 8.63  | 7.99  | 6.70  | 5.31   | 4.36  | 3.65  | 3.11  | 2.47  |
| 15                     | 0.11                                  | 0.25 | 0.47 | 0.87 | 1.61 | 2.33   | 3.02 | 3.69  | 4.99  | 6.25  | 6.88  | 8.10  | 9.30  | 8.86  | 7.43  | 5.90   | 4.83  | 4.05  | 3.46  | 2.73  |
| 16                     | 0.12                                  | 0.27 | 0.50 | 0.92 | 1.73 | 2.49   | 3.23 | 3.95  | 5.35  | 6.70  | 7.37  | 8.69  | 9.97  | 9.76  | 8.18  | 6.49   | 5.31  | 4.45  | 3.81  | 3.02  |
| 17                     | 0.12                                  | 0.28 | 0.54 | 0.99 | 1.85 | 2.67   | 3.45 | 4.22  | 5.71  | 7.16  | 7.87  | 9.28  | 10.66 | 10.70 | 8.97  | 7.12   | 5.82  | 4.88  | 4.17  | 3.31  |
| 18                     | 0.13                                  | 0.31 | 0.56 | 1.06 | 1.97 | 2.83   | 3.67 | 4.49  | 6.07  | 7.61  | 8.38  | 9.87  | 11.33 | 11.65 | 9.76  | 7.75   | 6.34  | 5.31  | 4.54  | 3.61  |
| 19                     | 0.13                                  | 0.32 | 0.60 | 1.11 | 2.09 | 3.00   | 3.89 | 4.76  | 6.43  | 8.07  | 8.87  | 10.46 | 12.01 | 12.64 | 10.59 | 8.40   | 6.88  | 5.76  | 4.92  | 3.90  |
| 20                     | 0.15                                  | 0.34 | 0.63 | 1.18 | 2.20 | 3.18   | 4.12 | 5.03  | 6.81  | 8.53  | 9.38  | 11.06 | 12.69 | 13.65 | 11.43 | 9.08   | 7.43  | 6.22  | 5.31  | 4.22  |
| 21                     | 0.16                                  | 0.36 | 0.67 | 1.25 | 2.32 | 3.35   | 4.33 | 5.29  | 7.17  | 8.99  | 9.89  | 11.65 | 13.39 | 14.68 | 12.31 | 9.76   | 7.99  | 6.70  | 5.72  | 4.54  |
| 22                     | 0.16                                  | 0.38 | 0.70 | 1.31 | 2.44 | 3.51   | 4.56 | 5.58  | 7.55  | 9.45  | 10.40 | 12.25 | 14.08 | 15.74 | 13.19 | 10.47  | 8.57  | 7.18  | 6.13  | 4.87  |
| 23                     | 0.17                                  | 0.39 | 0.74 | 1.37 | 2.56 | 3.69   | 4.79 | 5.84  | 7.91  | 9.92  | 10.91 | 12.86 | 14.77 | 16.65 | 14.10 | 11.19  | 9.16  | 7.68  | 6.55  | 5.20  |
| 24                     | 0.19                                  | 0.42 | 0.76 | 1.43 | 2.68 | 3.86   | 5.01 | 6.13  | 8.28  | 10.39 | 11.42 | 13.46 | 15.46 | 17.44 | 15.03 | 11.93  | 9.76  | 8.18  | 6.98  | 5.55  |
| 25                     | 0.19                                  | 0.43 | 0.80 | 1.50 | 2.80 | 4.03   | 5.23 | 6.39  | 8.66  | 10.86 | 11.93 | 14.06 | 16.15 | 18.22 | 15.98 | 12.68  | 10.38 | 8.70  | 7.43  | 5.90  |
| 26                     | 0.20                                  | 0.46 | 0.84 | 1.57 | 2.92 | 4.21   | 5.46 | 6.68  | 9.03  | 11.33 | 12.45 | 14.68 | 16.86 | 19.01 | 16.94 | 13.45  | 11.01 | 9.22  | 7.88  | 6.25  |
| 28                     | 0.21                                  | 0.48 | 0.91 | 1.70 | 3.16 | 4.57   | 5.91 | 7.23  | 9.79  | 12.27 | 13.49 | 15.90 | 18.26 | 20.59 | 18.94 | 15.03  | 12.31 | 10.31 | 8.81  | 6.98  |
| 30                     | 0.23                                  | 0.52 | 0.98 | 1.84 | 3.42 | 4.92   | 6.37 | 7.79  | 10.55 | 13.22 | 14.53 | 17.13 | 19.68 | 22.18 | 21.01 | 16.68  | 13.65 | 11.43 | 9.76  | 7.75  |
| 32                     | 0.24                                  | 0.56 | 1.05 | 1.96 | 3.66 | 5.27   | 6.84 | 8.35  | 11.30 | 14.17 | 15.59 | 18.36 | 21.10 | 23.79 | 23.15 | 18.36  | 15.03 | 12.60 | 10.75 | 8.54  |
| 35                     | 0.27                                  | 0.62 | 1.15 | 2.16 | 4.03 | 5.80   | 7.52 | 9.20  | 12.45 | 15.62 | 17.17 | 20.23 | 23.24 | 26.21 | 26.47 | 21.01  | 17.20 | 14.41 | 12.31 | 9.76  |
| 40                     | 0.31                                  | 0.71 | 1.34 | 2.49 | 4.66 | 6.72   | 8.70 | 10.63 | 14.38 | 18.04 | 19.83 | 23.36 | 26.85 | 30.27 | 32.35 | 25.67  | 21.01 | 17.60 | 15.03 | 11.93 |
| 45                     | 0.36                                  | 0.82 | 1.51 | 2.84 | 5.29 | 7.63   | 9.88 | 12.06 | 16.34 | 20.48 | 22.52 | 26.54 | 30.48 | 34.38 | 38.22 | 30.63  | 25.07 | 21.01 | 17.94 | 14.24 |
| Lube                   | Type A                                |      |      |      |      | Type B |      |       |       |       |       |       |       |       |       | Type C |       |       |       |       |

Kilowatt Capacity Table

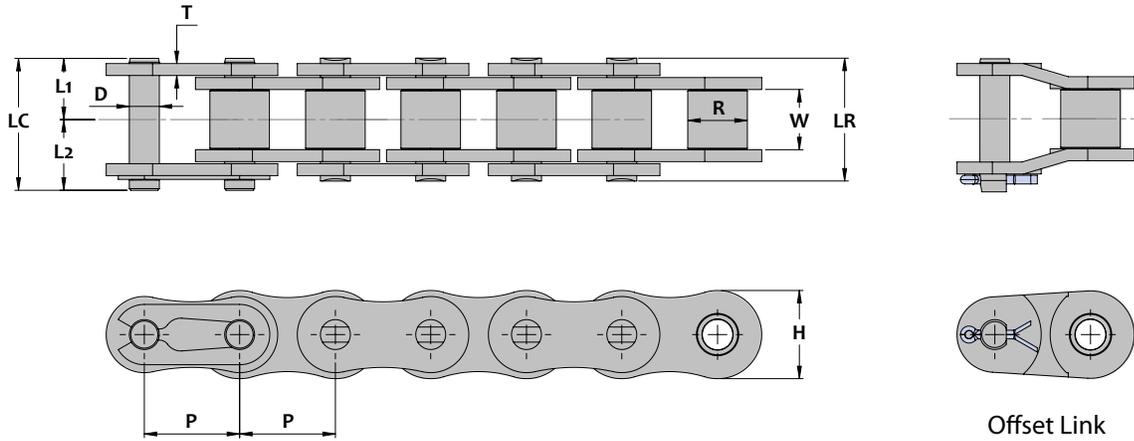
| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |      |      |      |      |        |      |      |       |       |       |       |       |       |       |        |       |       |       |       |
|------------------------|---------------------------------------|------|------|------|------|--------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
|                        | 10                                    | 25   | 50   | 100  | 200  | 300    | 400  | 500  | 700   | 900   | 1000  | 1200  | 1400  | 1600  | 1800  | 2100   | 2400  | 2700  | 3000  | 3500  |
| 9                      | 0.05                                  | 0.11 | 0.20 | 0.37 | 0.69 | 1.00   | 1.30 | 1.58 | 2.14  | 2.69  | 2.95  | 3.48  | 3.75  | 3.07  | 2.58  | 2.04   | 1.67  | 1.40  | 1.20  | 0.95  |
| 10                     | 0.05                                  | 0.12 | 0.22 | 0.42 | 0.78 | 1.12   | 1.45 | 1.77 | 2.40  | 3.01  | 3.31  | 3.90  | 4.40  | 3.60  | 3.02  | 2.39   | 1.96  | 1.64  | 1.40  | 1.11  |
| 11                     | 0.06                                  | 0.13 | 0.25 | 0.46 | 0.86 | 1.24   | 1.61 | 1.97 | 2.66  | 3.34  | 3.67  | 4.32  | 4.97  | 4.15  | 3.48  | 2.76   | 2.26  | 1.89  | 1.62  | 1.28  |
| 12                     | 0.06                                  | 0.15 | 0.27 | 0.51 | 0.95 | 1.36   | 1.77 | 2.16 | 2.92  | 3.67  | 4.03  | 4.75  | 5.46  | 4.73  | 3.96  | 3.15   | 2.58  | 2.16  | 1.84  | 1.46  |
| 13                     | 0.07                                  | 0.16 | 0.30 | 0.55 | 1.03 | 1.49   | 1.93 | 2.35 | 3.19  | 4.00  | 4.39  | 5.18  | 5.95  | 5.33  | 4.47  | 3.55   | 2.90  | 2.43  | 2.08  | 1.65  |
| 14                     | 0.08                                  | 0.17 | 0.32 | 0.60 | 1.12 | 1.61   | 2.09 | 2.55 | 3.45  | 4.33  | 4.76  | 5.61  | 6.44  | 5.96  | 5.00  | 3.96   | 3.25  | 2.72  | 2.32  | 1.84  |
| 15                     | 0.08                                  | 0.19 | 0.35 | 0.65 | 1.20 | 1.74   | 2.25 | 2.75 | 3.72  | 4.66  | 5.13  | 6.04  | 6.94  | 6.61  | 5.54  | 4.40   | 3.60  | 3.02  | 2.58  | 2.04  |
| 16                     | 0.09                                  | 0.20 | 0.37 | 0.69 | 1.29 | 1.86   | 2.41 | 2.95 | 3.99  | 5.00  | 5.50  | 6.48  | 7.44  | 7.28  | 6.10  | 4.84   | 3.96  | 3.32  | 2.84  | 2.25  |
| 17                     | 0.09                                  | 0.21 | 0.40 | 0.74 | 1.38 | 1.99   | 2.57 | 3.15 | 4.26  | 5.34  | 5.87  | 6.92  | 7.95  | 7.98  | 6.69  | 5.31   | 4.34  | 3.64  | 3.11  | 2.47  |
| 18                     | 0.10                                  | 0.23 | 0.42 | 0.79 | 1.47 | 2.11   | 2.74 | 3.35 | 4.53  | 5.68  | 6.25  | 7.36  | 8.45  | 8.69  | 7.28  | 5.78   | 4.73  | 3.96  | 3.39  | 2.69  |
| 19                     | 0.10                                  | 0.24 | 0.45 | 0.83 | 1.56 | 2.24   | 2.90 | 3.55 | 4.80  | 6.02  | 6.62  | 7.80  | 8.96  | 9.43  | 7.90  | 6.27   | 5.13  | 4.30  | 3.67  | 2.91  |
| 20                     | 0.11                                  | 0.25 | 0.47 | 0.88 | 1.64 | 2.37   | 3.07 | 3.75 | 5.08  | 6.36  | 7.00  | 8.25  | 9.47  | 10.18 | 8.53  | 6.77   | 5.54  | 4.64  | 3.96  | 3.15  |
| 21                     | 0.12                                  | 0.27 | 0.50 | 0.93 | 1.73 | 2.50   | 3.23 | 3.95 | 5.35  | 6.71  | 7.38  | 8.69  | 9.99  | 10.95 | 9.18  | 7.28   | 5.96  | 5.00  | 4.27  | 3.39  |
| 22                     | 0.12                                  | 0.28 | 0.52 | 0.98 | 1.82 | 2.62   | 3.40 | 4.16 | 5.63  | 7.05  | 7.76  | 9.14  | 10.50 | 11.74 | 9.84  | 7.81   | 6.39  | 5.36  | 4.57  | 3.63  |
| 23                     | 0.13                                  | 0.29 | 0.55 | 1.02 | 1.91 | 2.75   | 3.57 | 4.36 | 5.90  | 7.40  | 8.14  | 9.59  | 11.02 | 12.42 | 10.52 | 8.35   | 6.83  | 5.73  | 4.89  | 3.88  |
| 24                     | 0.14                                  | 0.31 | 0.57 | 1.07 | 2.00 | 2.88   | 3.74 | 4.57 | 6.18  | 7.75  | 8.52  | 10.04 | 11.53 | 13.01 | 11.21 | 8.90   | 7.28  | 6.10  | 5.21  | 4.14  |
| 25                     | 0.14                                  | 0.32 | 0.60 | 1.12 | 2.09 | 3.01   | 3.90 | 4.77 | 6.46  | 8.10  | 8.90  | 10.49 | 12.05 | 13.59 | 11.92 | 9.46   | 7.74  | 6.49  | 5.54  | 4.40  |
| 26                     | 0.15                                  | 0.34 | 0.63 | 1.17 | 2.18 | 3.14   | 4.07 | 4.98 | 6.74  | 8.45  | 9.29  | 10.95 | 12.58 | 14.18 | 12.64 | 10.03  | 8.21  | 6.88  | 5.88  | 4.66  |
| 28                     | 0.16                                  | 0.36 | 0.68 | 1.27 | 2.36 | 3.41   | 4.41 | 5.39 | 7.30  | 9.15  | 10.06 | 11.86 | 13.62 | 15.36 | 14.13 | 11.21  | 9.18  | 7.69  | 6.57  | 5.21  |
| 30                     | 0.17                                  | 0.39 | 0.73 | 1.37 | 2.55 | 3.67   | 4.75 | 5.81 | 7.87  | 9.86  | 10.84 | 12.78 | 14.68 | 16.55 | 15.67 | 12.44  | 10.18 | 8.53  | 7.28  | 5.78  |
| 32                     | 0.18                                  | 0.42 | 0.78 | 1.46 | 2.73 | 3.93   | 5.10 | 6.23 | 8.43  | 10.57 | 11.63 | 13.70 | 15.74 | 17.75 | 17.27 | 13.70  | 11.21 | 9.40  | 8.02  | 6.37  |
| 35                     | 0.20                                  | 0.46 | 0.86 | 1.61 | 3.01 | 4.33   | 5.61 | 6.86 | 9.29  | 11.65 | 12.81 | 15.09 | 17.34 | 19.55 | 19.75 | 15.67  | 12.83 | 10.75 | 9.18  | 7.28  |
| 40                     | 0.23                                  | 0.53 | 1.00 | 1.86 | 3.48 | 5.01   | 6.49 | 7.93 | 10.73 | 13.46 | 14.79 | 17.43 | 20.03 | 22.58 | 24.13 | 19.15  | 15.67 | 13.13 | 11.21 | 8.90  |
| 45                     | 0.27                                  | 0.61 | 1.13 | 2.12 | 3.95 | 5.69   | 7.37 | 9.00 | 12.19 | 15.28 | 16.80 | 19.80 | 22.74 | 25.65 | 28.51 | 22.85  | 18.70 | 15.67 | 13.38 | 10.62 |
| Lube                   | Type A                                |      |      |      |      | Type B |      |      |       |       |       |       |       |       |       | Type C |       |       |       |       |

Lube Type A: Manual or Drip Lubrication  
 Lube Type B: Bath or Slinger Disc Lubrication  
 Lube Type C: Oil Stream or Pressure Spray Lubrication

Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

|                     |     |     |     |     |     |
|---------------------|-----|-----|-----|-----|-----|
| Number of Strands   | 2   | 3   | 4   | 5   | 6   |
| Multi-Strand Factor | 1.7 | 2.5 | 3.3 | 3.9 | 4.6 |

# 50 ASME/ANSI Roller Chain



Offset Link

## Chain Dimensions

| Common Dimensions             |       |                   |                |                   |                |                        |                            |                            |                           |                      |
|-------------------------------|-------|-------------------|----------------|-------------------|----------------|------------------------|----------------------------|----------------------------|---------------------------|----------------------|
| MAXCO Chain Number            | Units | Chain Pitch P     | Inside Width W | Roller Diameter R | Pin Diameter D | Link Plate Thickness T | Roller Link Plate Height H | Number of Links in 10ft/5m | Available Construction    |                      |
|                               |       |                   |                |                   |                |                        |                            |                            | Cottered                  | Riveted              |
| 50                            | inch  | 0.625             | 0.375          | 0.400             | 0.200          | 0.080                  | 0.575                      | 192                        | Yes                       | Yes                  |
|                               | mm    | 15.875            | 9.53           | 10.16             | 5.08           | 2.0                    | 14.6                       | 316                        |                           |                      |
| Pin Lengths and Chain Ratings |       |                   |                |                   |                |                        |                            |                            |                           |                      |
| MAXCO Chain Number            | Units | Number of Strands | Pin Lengths    |                   |                |                        | Transverse Pitch TP        | Rated Working Load         | Average Ultimate Strength | Average Chain Weight |
|                               |       |                   | L1             | L2                | LR             | LC                     |                            |                            |                           |                      |
|                               |       |                   |                |                   |                |                        | Lbs Kg-f                   | Lbs Kg-f                   | Lbs/ft Kg/m               |                      |
| 50                            | inch  | 1                 | 0.40           | 0.46              | 0.80           | 0.87                   | -                          | 1,625                      | 7,200                     | 0.66                 |
|                               | mm    |                   | 10.2           | 11.8              | 20.4           | 22.0                   | -                          | 740                        | 3,275                     | 0.98                 |
| 50-2                          | inch  | 2                 | 0.76           | 0.82              | 1.51           | 1.57                   | 0.712                      | 2,430                      | 14,400                    | 1.34                 |
|                               | mm    |                   | 19.2           | 20.8              | 38.4           | 40.0                   | 18.08                      | 1,105                      | 6,545                     | 2.00                 |
| 50-3                          | inch  | 3                 | 1.12           | 1.17              | 2.23           | 2.29                   | 0.712                      | 3,580                      | 21,600                    | 2.06                 |
|                               | mm    |                   | 28.4           | 29.8              | 56.7           | 58.2                   | 18.08                      | 1,625                      | 9,820                     | 3.07                 |
| 50-4                          | inch  | 4                 | 1.48           | 1.50              | 2.95           | 2.98                   | 0.712                      | 4,720                      | 28,800                    | 2.66                 |
|                               | mm    |                   | 37.5           | 38.2              | 75.0           | 75.7                   | 18.08                      | 2,145                      | 13,090                    | 3.97                 |
| 50-5                          | inch  | 5                 | 1.83           | 1.87              | 3.67           | 3.70                   | 0.712                      | 5,580                      | 36,000                    | 3.37                 |
|                               | mm    |                   | 46.6           | 47.5              | 93.2           | 94.1                   | 18.08                      | 2,535                      | 16,365                    | 5.02                 |
| 50-6                          | inch  | 6                 | 2.19           | 2.24              | 4.39           | 4.43                   | 0.712                      | 6,580                      | 43,200                    | 4.03                 |
|                               | mm    |                   | 55.7           | 56.8              | 111.4          | 112.5                  | 18.08                      | 2,990                      | 19,635                    | 6.01                 |



# 50 ASME/ANSI Roller Chain

Horsepower Capacity Table

| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |      |      |      |       |        |       |       |       |       |        |       |       |       |       |       |       |       |       |       |
|------------------------|---------------------------------------|------|------|------|-------|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 10                                    | 25   | 50   | 100  | 200   | 300    | 400   | 500   | 700   | 900   | 1000   | 1200  | 1400  | 1600  | 1800  | 2100  | 2400  | 2700  | 3000  | 3500  |
| 9                      | 0.12                                  | 0.28 | 0.52 | 0.97 | 1.81  | 2.61   | 3.38  | 4.13  | 5.59  | 7.01  | 7.71   | 7.59  | 6.02  | 4.92  | 4.13  | 3.27  | 2.68  | 2.25  | 1.92  | 1.53  |
| 10                     | 0.13                                  | 0.31 | 0.58 | 1.09 | 2.02  | 2.92   | 3.78  | 4.62  | 6.26  | 7.86  | 8.63   | 8.87  | 7.05  | 5.76  | 4.84  | 3.83  | 3.14  | 2.63  | 2.25  | 1.78  |
| 11                     | 0.15                                  | 0.35 | 0.64 | 1.21 | 2.25  | 3.24   | 4.20  | 5.13  | 6.94  | 8.70  | 9.57   | 10.24 | 8.12  | 6.65  | 5.58  | 4.42  | 3.62  | 3.03  | 2.59  | 2.05  |
| 12                     | 0.16                                  | 0.38 | 0.71 | 1.33 | 2.47  | 3.55   | 4.61  | 5.63  | 7.63  | 9.56  | 10.51  | 11.68 | 9.26  | 7.59  | 6.35  | 5.04  | 4.13  | 3.46  | 2.95  | 2.35  |
| 13                     | 0.19                                  | 0.42 | 0.78 | 1.45 | 2.69  | 3.87   | 5.03  | 6.14  | 8.31  | 10.43 | 11.46  | 13.16 | 10.44 | 8.55  | 7.16  | 5.68  | 4.65  | 3.90  | 3.32  | 2.64  |
| 14                     | 0.20                                  | 0.44 | 0.83 | 1.57 | 2.92  | 4.20   | 5.44  | 6.65  | 9.01  | 11.30 | 12.41  | 14.64 | 11.68 | 9.56  | 8.00  | 6.35  | 5.20  | 4.36  | 3.73  | 2.95  |
| 15                     | 0.21                                  | 0.48 | 0.90 | 1.69 | 3.14  | 4.53   | 5.87  | 7.17  | 9.71  | 12.17 | 13.38  | 15.76 | 12.95 | 10.59 | 8.87  | 7.05  | 5.76  | 4.84  | 4.13  | 3.27  |
| 16                     | 0.23                                  | 0.52 | 0.97 | 1.81 | 3.36  | 4.85   | 6.29  | 7.68  | 10.40 | 13.04 | 14.34  | 16.90 | 14.26 | 11.68 | 9.79  | 7.76  | 6.35  | 5.32  | 4.54  | 3.61  |
| 17                     | 0.24                                  | 0.55 | 1.03 | 1.93 | 3.59  | 5.19   | 6.72  | 8.20  | 11.11 | 13.93 | 15.32  | 18.04 | 15.62 | 12.79 | 10.71 | 8.50  | 6.96  | 5.83  | 4.97  | 3.95  |
| 18                     | 0.25                                  | 0.59 | 1.10 | 2.05 | 3.82  | 5.51   | 7.14  | 8.73  | 11.82 | 14.81 | 16.29  | 19.20 | 17.01 | 13.93 | 11.68 | 9.26  | 7.59  | 6.35  | 5.43  | 4.30  |
| 19                     | 0.27                                  | 0.63 | 1.17 | 2.17 | 4.06  | 5.84   | 7.57  | 9.25  | 12.53 | 15.71 | 17.27  | 20.35 | 18.46 | 15.11 | 12.65 | 10.04 | 8.22  | 6.89  | 5.88  | 4.66  |
| 20                     | 0.29                                  | 0.66 | 1.23 | 2.29 | 4.29  | 6.18   | 8.00  | 9.79  | 13.24 | 16.61 | 18.26  | 21.51 | 19.93 | 16.31 | 13.67 | 10.84 | 8.87  | 7.44  | 6.35  | 5.04  |
| 21                     | 0.31                                  | 0.70 | 1.30 | 2.43 | 4.52  | 6.51   | 8.43  | 10.31 | 13.95 | 17.51 | 19.24  | 22.67 | 21.45 | 17.55 | 14.71 | 11.68 | 9.56  | 8.00  | 6.84  | 5.43  |
| 22                     | 0.32                                  | 0.74 | 1.37 | 2.55 | 4.76  | 6.85   | 8.87  | 10.84 | 14.68 | 18.40 | 20.23  | 23.85 | 22.99 | 18.82 | 15.78 | 12.52 | 10.24 | 8.58  | 7.33  | 5.82  |
| 23                     | 0.34                                  | 0.76 | 1.43 | 2.67 | 4.99  | 7.18   | 9.30  | 11.38 | 15.40 | 19.30 | 21.23  | 25.01 | 24.58 | 20.12 | 16.86 | 13.38 | 10.95 | 9.18  | 7.84  | 6.22  |
| 24                     | 0.35                                  | 0.80 | 1.50 | 2.80 | 5.23  | 7.52   | 9.75  | 11.92 | 16.13 | 20.21 | 22.23  | 26.19 | 26.19 | 21.45 | 17.98 | 14.26 | 11.68 | 9.79  | 8.35  | 6.62  |
| 25                     | 0.36                                  | 0.84 | 1.57 | 2.92 | 5.46  | 7.86   | 10.19 | 12.45 | 16.85 | 21.13 | 23.23  | 27.37 | 27.86 | 22.80 | 19.10 | 15.16 | 12.41 | 10.40 | 8.87  | 7.05  |
| 26                     | 0.39                                  | 0.87 | 1.64 | 3.06 | 5.70  | 8.20   | 10.63 | 12.99 | 17.57 | 22.04 | 24.24  | 28.55 | 29.54 | 24.18 | 20.27 | 16.09 | 13.16 | 11.03 | 9.42  | 7.48  |
| 28                     | 0.42                                  | 0.95 | 1.77 | 3.31 | 6.17  | 8.89   | 11.51 | 14.06 | 19.05 | 23.87 | 26.25  | 30.94 | 33.02 | 27.02 | 22.64 | 17.98 | 14.71 | 12.33 | 10.52 | 8.35  |
| 30                     | 0.44                                  | 1.02 | 1.90 | 3.57 | 6.65  | 9.57   | 12.40 | 15.16 | 20.52 | 25.72 | 28.28  | 33.32 | 36.61 | 29.97 | 25.12 | 19.93 | 16.31 | 13.67 | 11.68 | 9.26  |
| 32                     | 0.48                                  | 1.10 | 2.05 | 3.82 | 7.12  | 10.27  | 13.30 | 16.25 | 22.00 | 27.59 | 30.32  | 35.74 | 40.34 | 33.02 | 27.67 | 21.96 | 17.98 | 15.05 | 12.86 | 10.20 |
| 35                     | 0.52                                  | 1.21 | 2.25 | 4.21 | 7.84  | 11.30  | 14.65 | 17.90 | 24.24 | 30.39 | 33.40  | 39.37 | 45.23 | 37.76 | 31.65 | 25.12 | 20.55 | 17.23 | 14.71 | 11.68 |
| 40                     | 0.62                                  | 1.39 | 2.60 | 4.85 | 9.06  | 13.06  | 16.92 | 20.68 | 27.99 | 35.09 | 38.59  | 45.47 | 52.24 | 46.14 | 38.67 | 30.68 | 25.12 | 21.05 | 17.98 | 14.26 |
| 45                     | 0.70                                  | 1.58 | 2.96 | 5.52 | 10.29 | 14.83  | 19.21 | 23.49 | 31.80 | 39.85 | 43.82  | 51.64 | 59.32 | 55.05 | 46.14 | 36.61 | 29.97 | 25.12 | 21.45 | 17.01 |
| Lube                   | Type A                                |      |      |      |       | Type B |       |       |       |       | Type C |       |       |       |       |       |       |       |       |       |

Kilowatt Capacity Table

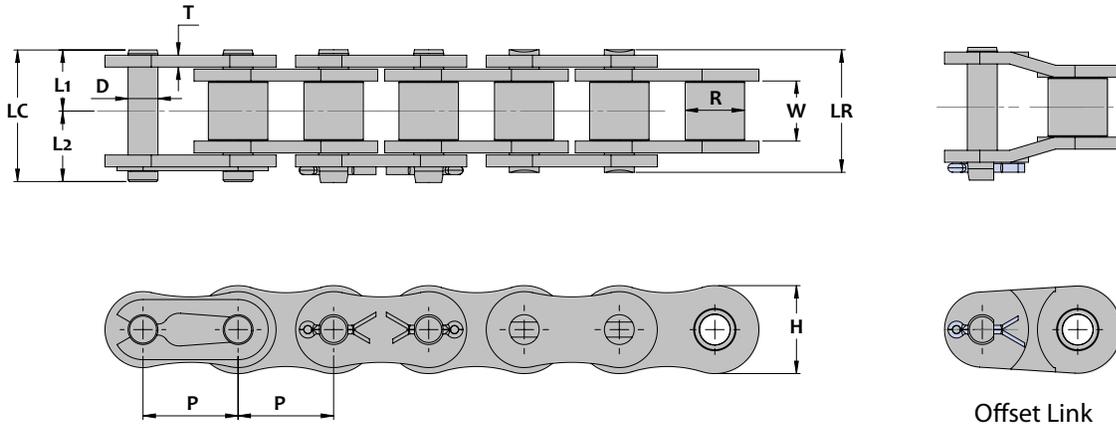
| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |      |      |      |      |        |       |       |       |       |        |       |       |       |       |       |       |       |       |       |
|------------------------|---------------------------------------|------|------|------|------|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 10                                    | 25   | 50   | 100  | 200  | 300    | 400   | 500   | 700   | 900   | 1000   | 1200  | 1400  | 1600  | 1800  | 2100  | 2400  | 2700  | 3000  | 3500  |
| 9                      | 0.09                                  | 0.21 | 0.39 | 0.72 | 1.35 | 1.95   | 2.52  | 3.08  | 4.17  | 5.23  | 5.75   | 5.66  | 4.49  | 3.67  | 3.08  | 2.44  | 2.00  | 1.68  | 1.43  | 1.14  |
| 10                     | 0.10                                  | 0.23 | 0.43 | 0.81 | 1.51 | 2.18   | 2.82  | 3.45  | 4.67  | 5.86  | 6.44   | 6.62  | 5.26  | 4.30  | 3.61  | 2.86  | 2.34  | 1.96  | 1.68  | 1.33  |
| 11                     | 0.11                                  | 0.26 | 0.48 | 0.90 | 1.68 | 2.42   | 3.13  | 3.83  | 5.18  | 6.49  | 7.14   | 7.64  | 6.06  | 4.96  | 4.16  | 3.30  | 2.70  | 2.26  | 1.93  | 1.53  |
| 12                     | 0.12                                  | 0.28 | 0.53 | 0.99 | 1.84 | 2.65   | 3.44  | 4.20  | 5.69  | 7.13  | 7.84   | 8.71  | 6.91  | 5.66  | 4.74  | 3.76  | 3.08  | 2.58  | 2.20  | 1.75  |
| 13                     | 0.14                                  | 0.31 | 0.58 | 1.08 | 2.01 | 2.89   | 3.75  | 4.58  | 6.20  | 7.78  | 8.55   | 9.82  | 7.79  | 6.38  | 5.34  | 4.24  | 3.47  | 2.91  | 2.48  | 1.97  |
| 14                     | 0.15                                  | 0.33 | 0.62 | 1.17 | 2.18 | 3.13   | 4.06  | 4.96  | 6.72  | 8.43  | 9.26   | 10.92 | 8.71  | 7.13  | 5.97  | 4.74  | 3.88  | 3.25  | 2.78  | 2.20  |
| 15                     | 0.16                                  | 0.36 | 0.67 | 1.26 | 2.34 | 3.38   | 4.38  | 5.35  | 7.24  | 9.08  | 9.98   | 11.76 | 9.66  | 7.90  | 6.62  | 5.26  | 4.30  | 3.61  | 3.08  | 2.44  |
| 16                     | 0.17                                  | 0.39 | 0.72 | 1.35 | 2.51 | 3.62   | 4.69  | 5.73  | 7.76  | 9.73  | 10.70  | 12.61 | 10.64 | 8.71  | 7.30  | 5.79  | 4.74  | 3.97  | 3.39  | 2.69  |
| 17                     | 0.18                                  | 0.41 | 0.77 | 1.44 | 2.68 | 3.87   | 5.01  | 6.12  | 8.29  | 10.39 | 11.43  | 13.46 | 11.65 | 9.54  | 7.99  | 6.34  | 5.19  | 4.35  | 3.71  | 2.95  |
| 18                     | 0.19                                  | 0.44 | 0.82 | 1.53 | 2.85 | 4.11   | 5.33  | 6.51  | 8.82  | 11.05 | 12.15  | 14.32 | 12.69 | 10.39 | 8.71  | 6.91  | 5.66  | 4.74  | 4.05  | 3.21  |
| 19                     | 0.20                                  | 0.47 | 0.87 | 1.62 | 3.03 | 4.36   | 5.65  | 6.90  | 9.35  | 11.72 | 12.88  | 15.18 | 13.77 | 11.27 | 9.44  | 7.49  | 6.13  | 5.14  | 4.39  | 3.48  |
| 20                     | 0.22                                  | 0.49 | 0.92 | 1.71 | 3.20 | 4.61   | 5.97  | 7.30  | 9.88  | 12.39 | 13.62  | 16.05 | 14.87 | 12.17 | 10.20 | 8.09  | 6.62  | 5.55  | 4.74  | 3.76  |
| 21                     | 0.23                                  | 0.52 | 0.97 | 1.81 | 3.37 | 4.86   | 6.29  | 7.69  | 10.41 | 13.06 | 14.35  | 16.91 | 16.00 | 13.09 | 10.97 | 8.71  | 7.13  | 5.97  | 5.10  | 4.05  |
| 22                     | 0.24                                  | 0.55 | 1.02 | 1.90 | 3.55 | 5.11   | 6.62  | 8.09  | 10.95 | 13.73 | 15.09  | 17.79 | 17.15 | 14.04 | 11.77 | 9.34  | 7.64  | 6.40  | 5.47  | 4.34  |
| 23                     | 0.25                                  | 0.57 | 1.07 | 1.99 | 3.72 | 5.36   | 6.94  | 8.49  | 11.49 | 14.40 | 15.84  | 18.66 | 18.34 | 15.01 | 12.58 | 9.98  | 8.17  | 6.85  | 5.85  | 4.64  |
| 24                     | 0.26                                  | 0.60 | 1.12 | 2.09 | 3.90 | 5.61   | 7.27  | 8.89  | 12.03 | 15.08 | 16.58  | 19.54 | 19.54 | 16.00 | 13.41 | 10.64 | 8.71  | 7.30  | 6.23  | 4.94  |
| 25                     | 0.27                                  | 0.63 | 1.17 | 2.18 | 4.07 | 5.86   | 7.60  | 9.29  | 12.57 | 15.76 | 17.33  | 20.42 | 20.78 | 17.01 | 14.25 | 11.31 | 9.26  | 7.76  | 6.62  | 5.26  |
| 26                     | 0.29                                  | 0.65 | 1.22 | 2.28 | 4.25 | 6.12   | 7.93  | 9.69  | 13.11 | 16.44 | 18.08  | 21.30 | 22.04 | 18.04 | 15.12 | 12.00 | 9.82  | 8.23  | 7.03  | 5.58  |
| 28                     | 0.31                                  | 0.71 | 1.32 | 2.47 | 4.60 | 6.63   | 8.59  | 10.49 | 14.21 | 17.81 | 19.58  | 23.08 | 24.63 | 20.16 | 16.89 | 13.41 | 10.97 | 9.20  | 7.85  | 6.23  |
| 30                     | 0.33                                  | 0.76 | 1.42 | 2.66 | 4.96 | 7.14   | 9.25  | 11.31 | 15.31 | 19.19 | 21.10  | 24.86 | 27.31 | 22.36 | 18.74 | 14.87 | 12.17 | 10.20 | 8.71  | 6.91  |
| 32                     | 0.36                                  | 0.82 | 1.53 | 2.85 | 5.31 | 7.66   | 9.92  | 12.12 | 16.41 | 20.58 | 22.62  | 26.66 | 30.09 | 24.63 | 20.64 | 16.38 | 13.41 | 11.23 | 9.59  | 7.61  |
| 35                     | 0.39                                  | 0.90 | 1.68 | 3.14 | 5.85 | 8.43   | 10.93 | 13.35 | 18.08 | 22.67 | 24.92  | 29.37 | 33.74 | 28.17 | 23.61 | 18.74 | 15.33 | 12.85 | 10.97 | 8.71  |
| 40                     | 0.46                                  | 1.04 | 1.94 | 3.62 | 6.76 | 9.74   | 12.62 | 15.43 | 20.88 | 26.18 | 28.79  | 33.92 | 38.97 | 34.42 | 28.85 | 22.89 | 18.74 | 15.70 | 13.41 | 10.64 |
| 45                     | 0.52                                  | 1.18 | 2.21 | 4.12 | 7.68 | 11.06  | 14.33 | 17.52 | 23.72 | 29.73 | 32.69  | 38.52 | 44.25 | 41.07 | 34.42 | 27.31 | 22.36 | 18.74 | 16.00 | 12.69 |
| Lube                   | Type A                                |      |      |      |      | Type B |       |       |       |       | Type C |       |       |       |       |       |       |       |       |       |

Lube Type A: Manual or Drip Lubrication  
 Lube Type B: Bath or Slinger Disc Lubrication  
 Lube Type C: Oil Stream or Pressure Spray Lubrication

Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

|                     |     |     |     |     |     |
|---------------------|-----|-----|-----|-----|-----|
| Number of Strands   | 2   | 3   | 4   | 5   | 6   |
| Multi-Strand Factor | 1.7 | 2.5 | 3.3 | 3.9 | 4.6 |

# 60 ASME/ANSI Roller Chain



## Chain Dimensions

| Common Dimensions             |       |                   |                |                   |                |                        |                            |                             |                                    |                                  |
|-------------------------------|-------|-------------------|----------------|-------------------|----------------|------------------------|----------------------------|-----------------------------|------------------------------------|----------------------------------|
| MAXCO Chain Number            | Units | Chain Pitch P     | Inside Width W | Roller Diameter R | Pin Diameter D | Link Plate Thickness T | Roller Link Plate Height H | Number of Links in 10ft/5m  | Available Construction             |                                  |
|                               |       |                   |                |                   |                |                        |                            |                             | Cottered                           | Riveted                          |
| 60                            | inch  | 0.750             | 0.500          | 0.469             | 0.234          | 0.094                  | 0.689                      | 160                         | Yes                                | Yes                              |
|                               | mm    | 19.05             | 12.70          | 11.91             | 5.95           | 2.4                    | 17.5                       | 262                         |                                    |                                  |
| Pin Lengths and Chain Ratings |       |                   |                |                   |                |                        |                            |                             |                                    |                                  |
| MAXCO Chain Number            | Units | Number of Strands | Pin Length     |                   |                |                        | Transverse Pitch TP        | Rated Working Load Lbs Kg-f | Average Ultimate Strength Lbs Kg-f | Average Chain Weight Lbs/ft Kg/m |
|                               |       |                   | L1             | L2                | LR             | LC                     |                            |                             |                                    |                                  |
| 60                            | inch  | 1                 | 0.50           | 0.56              | 1.00           | 1.06                   | -                          | 2,470                       | 10,000                             | 0.98                             |
|                               | mm    |                   | 12.8           | 14.1              | 25.5           | 26.9                   | -                          | 1,125                       | 4,545                              | 1.46                             |
| 60-2                          | inch  | 2                 | 0.94           | 1.01              | 1.90           | 1.96                   | 0.898                      | 3,370                       | 19,800                             | 1.98                             |
|                               | mm    |                   | 24.0           | 25.7              | 48.2           | 49.7                   | 22.8                       | 1,530                       | 9,000                              | 2.95                             |
| 60-3                          | inch  | 3                 | 1.39           | 1.47              | 2.80           | 2.86                   | 0.898                      | 4,950                       | 29,700                             | 2.97                             |
|                               | mm    |                   | 35.2           | 37.4              | 71.2           | 72.6                   | 22.8                       | 2,250                       | 13,500                             | 4.43                             |
| 60-4                          | inch  | 4                 | 1.86           | 1.90              | 3.72           | 3.76                   | 0.898                      | 6,530                       | 39,600                             | 3.97                             |
|                               | mm    |                   | 47.2           | 48.2              | 94.4           | 95.4                   | 22.8                       | 2,970                       | 18,000                             | 5.92                             |
| 60-5                          | inch  | 5                 | 2.30           | 2.35              | 4.61           | 4.65                   | 0.898                      | 7,720                       | 49,500                             | 4.97                             |
|                               | mm    |                   | 58.5           | 59.7              | 117.0          | 118.2                  | 22.8                       | 3,510                       | 22,500                             | 7.41                             |
| 60-6                          | inch  | 6                 | 2.76           | 2.79              | 5.51           | 5.55                   | 0.898                      | 9,100                       | 59,400                             | 5.97                             |
|                               | mm    |                   | 70.1           | 70.8              | 140.0          | 140.9                  | 22.8                       | 4,135                       | 27,000                             | 8.90                             |



# 60 ASME/ANSI Roller Chain

Horsepower Capacity Table

| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |      |      |       |       |        |       |       |       |       |       |       |       |       |       |        |       |       |       |       |
|------------------------|---------------------------------------|------|------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
|                        | 10                                    | 25   | 50   | 100   | 150   | 200    | 300   | 400   | 500   | 600   | 700   | 800   | 900   | 1000  | 1100  | 1200   | 1400  | 1600  | 1800  | 2000  |
| 9                      | 0.23                                  | 0.52 | 0.97 | 1.81  | 2.61  | 3.38   | 4.87  | 6.31  | 7.71  | 9.09  | 10.44 | 11.77 | 13.10 | 11.53 | 10.00 | 8.77   | 6.96  | 5.70  | 4.77  | 4.08  |
| 10                     | 0.25                                  | 0.59 | 1.09 | 2.02  | 2.92  | 3.79   | 5.46  | 7.06  | 8.65  | 10.19 | 11.70 | 13.19 | 14.66 | 13.50 | 11.70 | 10.27  | 8.15  | 6.68  | 5.59  | 4.77  |
| 11                     | 0.28                                  | 0.64 | 1.21 | 2.25  | 3.24  | 4.20   | 6.05  | 7.84  | 9.58  | 11.29 | 12.98 | 14.62 | 16.26 | 15.58 | 13.50 | 11.85  | 9.41  | 7.69  | 6.45  | 5.51  |
| 12                     | 0.31                                  | 0.71 | 1.33 | 2.47  | 3.57  | 4.61   | 6.65  | 8.61  | 10.52 | 12.40 | 14.25 | 16.07 | 17.87 | 17.75 | 15.39 | 13.50  | 10.71 | 8.77  | 7.35  | 6.27  |
| 13                     | 0.34                                  | 0.78 | 1.45 | 2.69  | 3.89  | 5.03   | 7.25  | 9.38  | 11.47 | 13.53 | 15.54 | 17.52 | 19.48 | 20.01 | 17.35 | 15.23  | 12.08 | 9.89  | 8.28  | 7.08  |
| 14                     | 0.36                                  | 0.84 | 1.57 | 2.92  | 4.21  | 5.46   | 7.86  | 10.17 | 12.43 | 14.65 | 16.82 | 18.98 | 21.10 | 22.37 | 19.40 | 17.02  | 13.50 | 11.06 | 9.26  | 7.91  |
| 15                     | 0.40                                  | 0.90 | 1.69 | 3.15  | 4.53  | 5.87   | 8.46  | 10.95 | 13.39 | 15.78 | 18.12 | 20.44 | 22.73 | 24.81 | 21.50 | 18.87  | 14.97 | 12.27 | 10.27 | 8.77  |
| 16                     | 0.43                                  | 0.97 | 1.81 | 3.38  | 4.85  | 6.30   | 9.06  | 11.74 | 14.36 | 16.92 | 19.44 | 21.92 | 24.37 | 26.80 | 23.69 | 20.79  | 16.50 | 13.50 | 11.31 | 9.66  |
| 17                     | 0.46                                  | 1.03 | 1.93 | 3.61  | 5.19  | 6.72   | 9.68  | 12.55 | 15.34 | 18.07 | 20.75 | 23.40 | 26.02 | 28.61 | 25.95 | 22.77  | 18.07 | 14.79 | 12.40 | 10.59 |
| 18                     | 0.48                                  | 1.10 | 2.05 | 3.83  | 5.52  | 7.14   | 10.29 | 13.34 | 16.31 | 19.21 | 22.08 | 24.89 | 27.68 | 30.43 | 28.27 | 24.81  | 19.69 | 16.11 | 13.50 | 11.53 |
| 19                     | 0.51                                  | 1.17 | 2.17 | 4.06  | 5.84  | 7.57   | 10.91 | 14.14 | 17.29 | 20.38 | 23.40 | 26.39 | 29.34 | 32.27 | 30.66 | 26.90  | 21.35 | 17.48 | 14.65 | 12.51 |
| 20                     | 0.54                                  | 1.23 | 2.31 | 4.29  | 6.18  | 8.02   | 11.54 | 14.95 | 18.27 | 21.53 | 24.73 | 27.90 | 31.02 | 34.10 | 33.11 | 29.06  | 23.06 | 18.87 | 15.82 | 13.50 |
| 21                     | 0.56                                  | 1.30 | 2.43 | 4.53  | 6.51  | 8.45   | 12.16 | 15.75 | 19.26 | 22.69 | 26.07 | 29.41 | 32.69 | 35.94 | 35.63 | 31.26  | 24.81 | 20.31 | 17.02 | 14.53 |
| 22                     | 0.60                                  | 1.37 | 2.55 | 4.76  | 6.85  | 8.87   | 12.79 | 16.57 | 20.25 | 23.86 | 27.41 | 30.92 | 34.37 | 37.80 | 38.20 | 33.53  | 26.61 | 21.77 | 18.24 | 15.58 |
| 23                     | 0.63                                  | 1.43 | 2.68 | 4.99  | 7.18  | 9.32   | 13.42 | 17.39 | 21.25 | 25.04 | 28.77 | 32.44 | 36.07 | 39.65 | 40.83 | 35.83  | 28.43 | 23.27 | 19.50 | 16.65 |
| 24                     | 0.66                                  | 1.50 | 2.80 | 5.23  | 7.53  | 9.76   | 14.05 | 18.20 | 22.25 | 26.22 | 30.12 | 33.97 | 37.76 | 41.51 | 43.53 | 38.20  | 30.31 | 24.81 | 20.79 | 17.75 |
| 25                     | 0.68                                  | 1.57 | 2.92 | 5.47  | 7.87  | 10.19  | 14.68 | 19.02 | 23.26 | 27.40 | 31.47 | 35.50 | 39.46 | 43.39 | 46.27 | 40.62  | 32.23 | 26.38 | 22.10 | 18.87 |
| 26                     | 0.72                                  | 1.64 | 3.06 | 5.70  | 8.20  | 10.63  | 15.32 | 19.84 | 24.26 | 28.58 | 32.84 | 37.04 | 41.18 | 45.27 | 49.08 | 43.07  | 34.18 | 27.98 | 23.45 | 20.01 |
| 28                     | 0.78                                  | 1.77 | 3.31 | 6.18  | 8.89  | 11.51  | 16.60 | 21.50 | 26.27 | 30.97 | 35.58 | 40.12 | 44.60 | 49.03 | 53.43 | 48.14  | 38.20 | 31.26 | 26.21 | 22.37 |
| 30                     | 0.83                                  | 1.90 | 3.57 | 6.65  | 9.58  | 12.41  | 17.88 | 23.16 | 28.31 | 33.36 | 38.32 | 43.22 | 48.06 | 52.83 | 57.56 | 53.38  | 42.36 | 34.68 | 29.06 | 24.81 |
| 32                     | 0.90                                  | 2.05 | 3.82 | 7.13  | 10.27 | 13.31  | 19.17 | 24.84 | 30.36 | 35.76 | 41.10 | 46.34 | 51.53 | 56.65 | 61.72 | 58.74  | 46.68 | 38.20 | 32.01 | 27.33 |
| 35                     | 0.99                                  | 2.25 | 4.21 | 7.86  | 11.31 | 14.66  | 21.11 | 27.36 | 33.45 | 39.41 | 45.27 | 51.05 | 56.76 | 62.40 | 67.99 | 67.27  | 53.38 | 43.70 | 36.62 | 31.26 |
| 40                     | 1.14                                  | 2.60 | 4.87 | 9.08  | 13.07 | 16.93  | 24.40 | 31.60 | 38.63 | 45.52 | 52.29 | 58.97 | 65.56 | 72.09 | 78.54 | 82.18  | 65.23 | 53.38 | 44.73 | 38.20 |
| 45                     | 1.30                                  | 2.96 | 5.52 | 10.31 | 14.84 | 19.24  | 27.71 | 35.88 | 43.87 | 51.69 | 59.38 | 66.97 | 74.46 | 81.86 | 89.20 | 96.46  | 77.83 | 63.70 | 53.38 | 45.58 |
| Lube                   | Type A                                |      |      |       |       | Type B |       |       |       |       |       |       |       |       |       | Type C |       |       |       |       |

Kilowatt Capacity Table

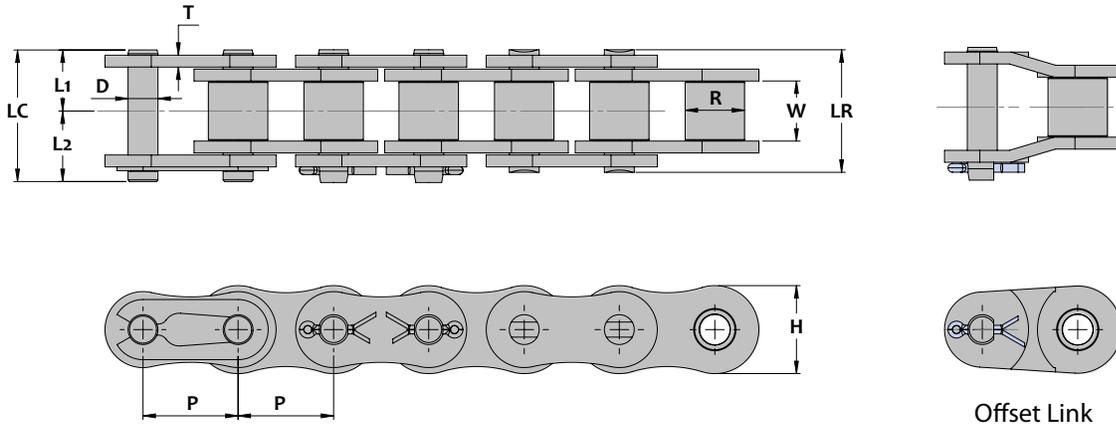
| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |      |      |      |       |        |       |       |       |       |       |       |       |       |       |        |       |       |       |       |
|------------------------|---------------------------------------|------|------|------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
|                        | 10                                    | 25   | 50   | 100  | 150   | 200    | 300   | 400   | 500   | 600   | 700   | 800   | 900   | 1000  | 1100  | 1200   | 1400  | 1600  | 1800  | 2000  |
| 9                      | 0.17                                  | 0.39 | 0.72 | 1.35 | 1.95  | 2.52   | 3.63  | 4.71  | 5.75  | 6.78  | 7.79  | 8.78  | 9.77  | 8.60  | 7.46  | 6.54   | 5.19  | 4.25  | 3.56  | 3.04  |
| 10                     | 0.19                                  | 0.44 | 0.81 | 1.51 | 2.18  | 2.83   | 4.07  | 5.27  | 6.45  | 7.60  | 8.73  | 9.84  | 10.94 | 10.07 | 8.73  | 7.66   | 6.08  | 4.98  | 4.17  | 3.56  |
| 11                     | 0.21                                  | 0.48 | 0.90 | 1.68 | 2.42  | 3.13   | 4.51  | 5.85  | 7.15  | 8.42  | 9.68  | 10.91 | 12.13 | 11.62 | 10.07 | 8.84   | 7.02  | 5.74  | 4.81  | 4.11  |
| 12                     | 0.23                                  | 0.53 | 0.99 | 1.84 | 2.66  | 3.44   | 4.96  | 6.42  | 7.85  | 9.25  | 10.63 | 11.99 | 13.33 | 13.24 | 11.48 | 10.07  | 7.99  | 6.54  | 5.48  | 4.68  |
| 13                     | 0.25                                  | 0.58 | 1.08 | 2.01 | 2.90  | 3.75   | 5.41  | 7.00  | 8.56  | 10.09 | 11.59 | 13.07 | 14.53 | 14.93 | 12.94 | 11.36  | 9.01  | 7.38  | 6.18  | 5.28  |
| 14                     | 0.27                                  | 0.63 | 1.17 | 2.18 | 3.14  | 4.07   | 5.86  | 7.59  | 9.27  | 10.93 | 12.55 | 14.16 | 15.74 | 16.69 | 14.47 | 12.70  | 10.07 | 8.25  | 6.91  | 5.90  |
| 15                     | 0.30                                  | 0.67 | 1.26 | 2.35 | 3.38  | 4.38   | 6.31  | 8.17  | 9.99  | 11.77 | 13.52 | 15.25 | 16.96 | 18.51 | 16.04 | 14.08  | 11.17 | 9.15  | 7.66  | 6.54  |
| 16                     | 0.32                                  | 0.72 | 1.35 | 2.52 | 3.62  | 4.70   | 6.76  | 8.76  | 10.71 | 12.62 | 14.50 | 16.35 | 18.18 | 19.99 | 17.67 | 15.51  | 12.31 | 10.07 | 8.44  | 7.21  |
| 17                     | 0.34                                  | 0.77 | 1.44 | 2.69 | 3.87  | 5.01   | 7.22  | 9.36  | 11.44 | 13.48 | 15.48 | 17.46 | 19.41 | 21.34 | 19.36 | 16.99  | 13.48 | 11.03 | 9.25  | 7.90  |
| 18                     | 0.36                                  | 0.82 | 1.53 | 2.86 | 4.12  | 5.33   | 7.68  | 9.95  | 12.17 | 14.33 | 16.47 | 18.57 | 20.65 | 22.70 | 21.09 | 18.51  | 14.69 | 12.02 | 10.07 | 8.60  |
| 19                     | 0.38                                  | 0.87 | 1.62 | 3.03 | 4.36  | 5.65   | 8.14  | 10.55 | 12.90 | 15.20 | 17.46 | 19.69 | 21.89 | 24.07 | 22.87 | 20.07  | 15.93 | 13.04 | 10.93 | 9.33  |
| 20                     | 0.40                                  | 0.92 | 1.72 | 3.20 | 4.61  | 5.98   | 8.61  | 11.15 | 13.63 | 16.06 | 18.45 | 20.81 | 23.14 | 25.44 | 24.70 | 21.68  | 17.20 | 14.08 | 11.80 | 10.07 |
| 21                     | 0.42                                  | 0.97 | 1.81 | 3.38 | 4.86  | 6.30   | 9.07  | 11.75 | 14.37 | 16.93 | 19.45 | 21.94 | 24.39 | 26.81 | 26.58 | 23.32  | 18.51 | 15.15 | 12.70 | 10.84 |
| 22                     | 0.45                                  | 1.02 | 1.90 | 3.55 | 5.11  | 6.62   | 9.54  | 12.36 | 15.11 | 17.80 | 20.45 | 23.07 | 25.64 | 28.20 | 28.50 | 25.01  | 19.85 | 16.24 | 13.61 | 11.62 |
| 23                     | 0.47                                  | 1.07 | 2.00 | 3.72 | 5.36  | 6.95   | 10.01 | 12.97 | 15.85 | 18.68 | 21.46 | 24.20 | 26.91 | 29.58 | 30.46 | 26.73  | 21.21 | 17.36 | 14.55 | 12.42 |
| 24                     | 0.49                                  | 1.12 | 2.09 | 3.90 | 5.62  | 7.28   | 10.48 | 13.58 | 16.60 | 19.56 | 22.47 | 25.34 | 28.17 | 30.97 | 32.47 | 28.50  | 22.61 | 18.51 | 15.51 | 13.24 |
| 25                     | 0.51                                  | 1.17 | 2.18 | 4.08 | 5.87  | 7.60   | 10.95 | 14.19 | 17.35 | 20.44 | 23.48 | 26.48 | 29.44 | 32.37 | 34.52 | 30.30  | 24.04 | 19.68 | 16.49 | 14.08 |
| 26                     | 0.54                                  | 1.22 | 2.28 | 4.25 | 6.12  | 7.93   | 11.43 | 14.80 | 18.10 | 21.32 | 24.50 | 27.63 | 30.72 | 33.77 | 36.61 | 32.13  | 25.50 | 20.87 | 17.49 | 14.93 |
| 28                     | 0.58                                  | 1.32 | 2.47 | 4.61 | 6.63  | 8.59   | 12.38 | 16.04 | 19.60 | 23.10 | 26.54 | 29.93 | 33.27 | 36.58 | 39.86 | 35.91  | 28.50 | 23.32 | 19.55 | 16.69 |
| 30                     | 0.62                                  | 1.42 | 2.66 | 4.96 | 7.15  | 9.26   | 13.34 | 17.28 | 21.12 | 24.89 | 28.59 | 32.24 | 35.85 | 39.41 | 42.94 | 39.82  | 31.60 | 25.87 | 21.68 | 18.51 |
| 32                     | 0.67                                  | 1.53 | 2.85 | 5.32 | 7.66  | 9.93   | 14.30 | 18.53 | 22.65 | 26.68 | 30.66 | 34.57 | 38.44 | 42.26 | 46.04 | 43.82  | 34.82 | 28.50 | 23.88 | 20.39 |
| 35                     | 0.74                                  | 1.68 | 3.14 | 5.86 | 8.44  | 10.94  | 15.75 | 20.41 | 24.95 | 29.40 | 33.77 | 38.08 | 42.34 | 46.55 | 50.72 | 50.18  | 39.82 | 32.60 | 27.32 | 23.32 |
| 40                     | 0.85                                  | 1.94 | 3.63 | 6.77 | 9.75  | 12.63  | 18.20 | 23.57 | 28.82 | 33.96 | 39.01 | 43.99 | 48.91 | 53.78 | 58.59 | 61.31  | 48.66 | 39.82 | 33.37 | 28.50 |
| 45                     | 0.97                                  | 2.21 | 4.12 | 7.69 | 11.07 | 14.35  | 20.67 | 26.77 | 32.73 | 38.56 | 44.30 | 49.96 | 55.55 | 61.07 | 66.54 | 71.96  | 58.06 | 47.52 | 39.82 | 34.00 |
| Lube                   | Type A                                |      |      |      |       | Type B |       |       |       |       |       |       |       |       |       | Type C |       |       |       |       |

Lube Type A: Manual or Drip Lubrication  
 Lube Type B: Bath or Slinger Disc Lubrication  
 Lube Type C: Oil Stream or Pressure Spray Lubrication

Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

|                     |     |     |     |     |     |
|---------------------|-----|-----|-----|-----|-----|
| Number of Strands   | 2   | 3   | 4   | 5   | 6   |
| Multi-Strand Factor | 1.7 | 2.5 | 3.3 | 3.9 | 4.6 |

# 80 ASME/ANSI Roller Chain



## Chain Dimensions

| Common Dimensions             |       |                   |                |                   |                |                        |                            |                             |                                    |                                  |
|-------------------------------|-------|-------------------|----------------|-------------------|----------------|------------------------|----------------------------|-----------------------------|------------------------------------|----------------------------------|
| MAXCO Chain Number            | Units | Chain Pitch P     | Inside Width W | Roller Diameter R | Pin Diameter D | Link Plate Thickness T | Roller Link Plate Height H | Number of Links in 10ft/5m  | Available Construction             |                                  |
|                               |       |                   |                |                   |                |                        |                            |                             | Cottered                           | Riveted                          |
| 80                            | inch  | 1.000             | 0.625          | 0.625             | 0.312          | 0.126                  | 0.921                      | 120                         | Yes                                | Yes                              |
|                               | mm    | 25.40             | 15.88          | 15.88             | 7.93           | 3.2                    | 23.4                       | 198                         |                                    |                                  |
| Pin Lengths and Chain Ratings |       |                   |                |                   |                |                        |                            |                             |                                    |                                  |
| MAXCO Chain Number            | Units | Number of Strands | Pin Length     |                   |                |                        | Transverse Pitch TP        | Rated Working Load Lbs Kg-f | Average Ultimate Strength Lbs Kg-f | Average Chain Weight Lbs/ft Kg/m |
|                               |       |                   | L1             | L2                | LR             | LC                     |                            |                             |                                    |                                  |
| 80                            | inch  | 1                 | 0.65           | 0.75              | 1.29           | 1.40                   | -                          | 4,295                       | 17,650                             | 1.69                             |
|                               | mm    |                   | 16.4           | 19.1              | 32.8           | 35.5                   | -                          | 1,950                       | 8,025                              | 2.52                             |
| 80-2                          | inch  | 2                 | 1.21           | 1.33              | 2.43           | 2.54                   | 1.154                      | 5,630                       | 35,300                             | 3.42                             |
|                               | mm    |                   | 30.8           | 33.7              | 61.6           | 64.5                   | 29.3                       | 2,560                       | 16,045                             | 5.10                             |
| 80-3                          | inch  | 3                 | 1.79           | 1.91              | 3.58           | 3.70                   | 1.154                      | 8,280                       | 53,060                             | 5.15                             |
|                               | mm    |                   | 45.5           | 48.6              | 90.9           | 94.1                   | 29.3                       | 3,765                       | 24,120                             | 7.68                             |
| 80-4                          | inch  | 4                 | 2.37           | 2.49              | 4.74           | 4.86                   | 1.154                      | 10,900                      | 70,590                             | 6.87                             |
|                               | mm    |                   | 60.2           | 63.3              | 120.4          | 123.5                  | 29.3                       | 4,955                       | 32,085                             | 10.3                             |
| 80-5                          | inch  | 5                 | 2.95           | 3.07              | 5.90           | 6.02                   | 1.154                      | 12,900                      | 88,350                             | 8.60                             |
|                               | mm    |                   | 74.9           | 77.9              | 149.8          | 152.8                  | 29.3                       | 5,865                       | 40,160                             | 12.8                             |
| 80-6                          | inch  | 6                 | 3.53           | 3.64              | 7.05           | 7.17                   | 1.154                      | 15,200                      | 105,890                            | 10.3                             |
|                               | mm    |                   | 89.6           | 92.5              | 179.1          | 182.1                  | 29.3                       | 6,910                       | 48,130                             | 15.4                             |



# 80 ASME/ANSI Roller Chain

Horsepower Capacity Table

| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |      |       |        |       |       |       |       |       |        |       |       |       |       |       |       |       |       |       |       |
|------------------------|---------------------------------------|------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 10                                    | 25   | 50    | 100    | 150   | 200   | 300   | 400   | 500   | 600    | 700   | 800   | 900   | 1000  | 1100  | 1200  | 1400  | 1600  | 1800  | 2000  |
| 9                      | 0.54                                  | 1.22 | 2.27  | 4.24   | 6.10  | 7.90  | 11.37 | 14.73 | 18.02 | 21.22  | 24.38 | 20.28 | 17.00 | 14.52 | 12.59 | 11.05 | 8.77  | 7.17  | 6.01  | 5.13  |
| 10                     | 0.60                                  | 1.37 | 2.55  | 4.75   | 6.82  | 8.85  | 12.75 | 16.51 | 20.19 | 23.78  | 27.32 | 23.75 | 19.91 | 17.00 | 14.73 | 12.94 | 10.27 | 8.40  | 7.04  | 6.01  |
| 11                     | 0.66                                  | 1.51 | 2.82  | 5.25   | 7.57  | 9.81  | 14.13 | 18.30 | 22.37 | 26.35  | 30.28 | 27.41 | 22.98 | 19.61 | 17.00 | 14.92 | 11.84 | 9.69  | 8.12  | 6.93  |
| 12                     | 0.72                                  | 1.66 | 3.10  | 5.78   | 8.31  | 10.78 | 15.52 | 20.11 | 24.57 | 28.95  | 33.27 | 31.23 | 26.18 | 22.35 | 19.37 | 17.00 | 13.49 | 11.05 | 9.25  | 7.90  |
| 13                     | 0.79                                  | 1.81 | 3.38  | 6.30   | 9.06  | 11.74 | 16.92 | 21.92 | 26.80 | 31.57  | 36.27 | 35.21 | 29.52 | 25.20 | 21.84 | 19.17 | 15.21 | 12.45 | 10.43 | 8.91  |
| 14                     | 0.86                                  | 1.96 | 3.66  | 6.82   | 9.83  | 12.72 | 18.32 | 23.74 | 29.02 | 34.20  | 39.29 | 39.36 | 32.98 | 28.16 | 24.41 | 21.42 | 17.00 | 13.91 | 11.66 | 9.96  |
| 15                     | 0.92                                  | 2.10 | 3.94  | 7.35   | 10.58 | 13.71 | 19.75 | 25.58 | 31.27 | 36.85  | 42.33 | 43.65 | 36.58 | 31.23 | 27.06 | 23.75 | 18.85 | 15.43 | 12.94 | 11.05 |
| 16                     | 0.99                                  | 2.27 | 4.22  | 7.88   | 11.34 | 14.69 | 21.17 | 27.43 | 33.53 | 39.50  | 45.39 | 48.08 | 40.29 | 34.41 | 29.83 | 26.18 | 20.76 | 17.00 | 14.25 | 12.16 |
| 17                     | 1.06                                  | 2.41 | 4.50  | 8.40   | 12.12 | 15.70 | 22.60 | 29.29 | 35.79 | 42.18  | 48.46 | 52.65 | 44.13 | 37.68 | 32.67 | 28.66 | 22.75 | 18.62 | 15.60 | 13.32 |
| 18                     | 1.13                                  | 2.57 | 4.80  | 8.94   | 12.88 | 16.69 | 24.05 | 31.15 | 38.07 | 44.87  | 51.54 | 57.37 | 48.08 | 41.06 | 35.59 | 31.23 | 24.79 | 20.28 | 17.00 | 14.52 |
| 19                     | 1.19                                  | 2.72 | 5.08  | 9.48   | 13.66 | 17.69 | 25.48 | 33.02 | 40.36 | 47.56  | 54.64 | 61.62 | 52.14 | 44.52 | 38.59 | 33.87 | 26.88 | 22.00 | 18.43 | 15.74 |
| 20                     | 1.26                                  | 2.88 | 5.38  | 10.03  | 14.44 | 18.70 | 26.94 | 34.91 | 42.67 | 50.27  | 57.75 | 65.13 | 56.31 | 48.08 | 41.68 | 36.58 | 29.02 | 23.75 | 19.91 | 17.00 |
| 21                     | 1.33                                  | 3.03 | 5.66  | 10.56  | 15.21 | 19.72 | 28.39 | 36.80 | 44.97 | 52.99  | 60.88 | 68.65 | 60.59 | 51.73 | 44.84 | 39.36 | 31.23 | 25.56 | 21.42 | 18.28 |
| 22                     | 1.39                                  | 3.19 | 5.95  | 11.11  | 16.01 | 20.74 | 29.87 | 38.69 | 47.29 | 55.72  | 64.02 | 72.18 | 64.97 | 55.47 | 48.08 | 42.20 | 33.49 | 27.41 | 22.98 | 19.61 |
| 23                     | 1.46                                  | 3.35 | 6.25  | 11.66  | 16.78 | 21.76 | 31.33 | 40.59 | 49.61 | 58.46  | 67.16 | 75.74 | 69.45 | 59.30 | 51.39 | 45.11 | 35.79 | 29.30 | 24.56 | 20.97 |
| 24                     | 1.54                                  | 3.50 | 6.54  | 12.20  | 17.57 | 22.77 | 32.80 | 42.49 | 51.94 | 61.21  | 70.32 | 79.30 | 74.03 | 63.20 | 54.79 | 48.08 | 38.16 | 31.23 | 26.18 | 22.35 |
| 25                     | 1.61                                  | 3.66 | 6.84  | 12.75  | 18.36 | 23.81 | 34.28 | 44.41 | 54.29 | 63.97  | 73.50 | 82.88 | 78.70 | 67.20 | 58.24 | 51.13 | 40.56 | 33.20 | 27.83 | 23.75 |
| 26                     | 1.68                                  | 3.82 | 7.13  | 13.31  | 19.17 | 24.83 | 35.76 | 46.34 | 56.64 | 66.74  | 76.68 | 86.46 | 83.47 | 71.27 | 61.77 | 54.22 | 43.03 | 35.21 | 29.52 | 25.20 |
| 28                     | 1.81                                  | 4.14 | 7.72  | 14.41  | 20.76 | 26.90 | 38.74 | 50.20 | 61.35 | 72.31  | 83.06 | 93.67 | 93.28 | 79.65 | 69.03 | 60.59 | 48.08 | 39.36 | 32.98 | 28.16 |
| 30                     | 1.96                                  | 4.46 | 8.32  | 15.54  | 22.37 | 28.98 | 41.74 | 54.08 | 66.11 | 77.90  | 89.49 | 100.9 | 103.5 | 88.34 | 76.57 | 67.20 | 53.32 | 43.65 | 36.58 | 31.23 |
| 32                     | 2.09                                  | 4.79 | 8.93  | 16.65  | 23.98 | 31.07 | 44.76 | 57.98 | 70.88 | 83.51  | 95.95 | 108.2 | 114.0 | 97.32 | 84.36 | 74.03 | 58.74 | 48.08 | 40.29 | 34.41 |
| 35                     | 2.31                                  | 5.27 | 9.83  | 18.34  | 26.42 | 34.24 | 49.30 | 63.87 | 78.08 | 92.01  | 105.7 | 119.2 | 130.4 | 111.3 | 96.49 | 84.68 | 67.20 | 55.00 | 46.10 | 39.36 |
| 40                     | 2.67                                  | 6.09 | 11.35 | 21.19  | 30.52 | 39.54 | 56.96 | 73.78 | 90.19 | 106.3  | 122.1 | 137.7 | 153.1 | 136.1 | 117.9 | 103.5 | 82.10 | 67.20 | 56.31 | 48.08 |
| 45                     | 3.03                                  | 6.92 | 12.90 | 24.06  | 34.66 | 44.91 | 64.68 | 83.79 | 102.4 | 120.7  | 138.7 | 156.4 | 173.9 | 162.3 | 140.6 | 123.4 | 97.96 | 80.19 | 67.20 | 57.37 |
| Lube                   | Type A                                |      |       | Type B |       |       |       |       |       | Type C |       |       |       |       |       |       |       |       |       |       |

Kilowatt Capacity Table

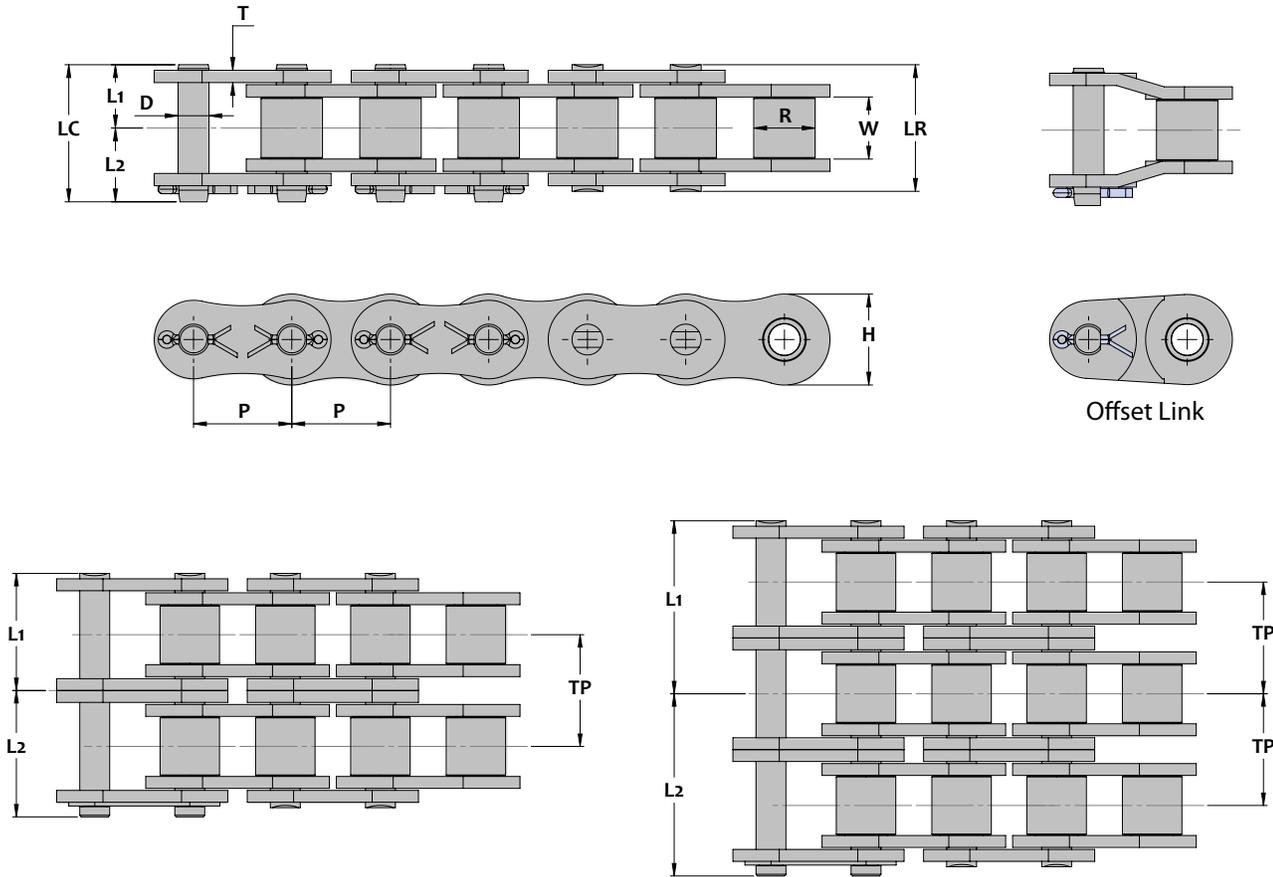
| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |      |      |        |       |       |       |       |       |        |       |       |       |       |       |       |       |       |       |       |
|------------------------|---------------------------------------|------|------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 10                                    | 25   | 50   | 100    | 150   | 200   | 300   | 400   | 500   | 600    | 700   | 800   | 900   | 1000  | 1100  | 1200  | 1400  | 1600  | 1800  | 2000  |
| 9                      | 0.40                                  | 0.91 | 1.69 | 3.16   | 4.55  | 5.89  | 8.48  | 10.99 | 13.44 | 15.83  | 18.19 | 15.13 | 12.68 | 10.83 | 9.39  | 8.24  | 6.54  | 5.35  | 4.48  | 3.83  |
| 10                     | 0.45                                  | 1.02 | 1.90 | 3.54   | 5.09  | 6.60  | 9.51  | 12.32 | 15.06 | 17.74  | 20.38 | 17.72 | 14.85 | 12.68 | 10.99 | 9.65  | 7.66  | 6.27  | 5.25  | 4.48  |
| 11                     | 0.49                                  | 1.13 | 2.10 | 3.92   | 5.65  | 7.32  | 10.54 | 13.65 | 16.69 | 19.66  | 22.59 | 20.45 | 17.14 | 14.63 | 12.68 | 11.13 | 8.83  | 7.23  | 6.06  | 5.17  |
| 12                     | 0.54                                  | 1.24 | 2.31 | 4.31   | 6.20  | 8.04  | 11.58 | 15.00 | 18.33 | 21.60  | 24.82 | 23.30 | 19.53 | 16.67 | 14.45 | 12.68 | 10.06 | 8.24  | 6.90  | 5.89  |
| 13                     | 0.59                                  | 1.35 | 2.52 | 4.70   | 6.76  | 8.76  | 12.62 | 16.35 | 19.99 | 23.55  | 27.06 | 26.27 | 22.02 | 18.80 | 16.29 | 14.30 | 11.35 | 9.29  | 7.78  | 6.65  |
| 14                     | 0.64                                  | 1.46 | 2.73 | 5.09   | 7.33  | 9.49  | 13.67 | 17.71 | 21.65 | 25.51  | 29.31 | 29.36 | 24.60 | 21.01 | 18.21 | 15.98 | 12.68 | 10.38 | 8.70  | 7.43  |
| 15                     | 0.69                                  | 1.57 | 2.94 | 5.48   | 7.89  | 10.23 | 14.73 | 19.08 | 23.33 | 27.49  | 31.58 | 32.56 | 27.29 | 23.30 | 20.19 | 17.72 | 14.06 | 11.51 | 9.65  | 8.24  |
| 16                     | 0.74                                  | 1.69 | 3.15 | 5.88   | 8.46  | 10.96 | 15.79 | 20.46 | 25.01 | 29.47  | 33.86 | 35.87 | 30.06 | 25.67 | 22.25 | 19.53 | 15.49 | 12.68 | 10.63 | 9.07  |
| 17                     | 0.79                                  | 1.80 | 3.36 | 6.27   | 9.04  | 11.71 | 16.86 | 21.85 | 26.70 | 31.47  | 36.15 | 39.28 | 32.92 | 28.11 | 24.37 | 21.38 | 16.97 | 13.89 | 11.64 | 9.94  |
| 18                     | 0.84                                  | 1.92 | 3.58 | 6.67   | 9.61  | 12.45 | 17.94 | 23.24 | 28.40 | 33.47  | 38.45 | 42.80 | 35.87 | 30.63 | 26.55 | 23.30 | 18.49 | 15.13 | 12.68 | 10.83 |
| 19                     | 0.89                                  | 2.03 | 3.79 | 7.07   | 10.19 | 13.20 | 19.01 | 24.63 | 30.11 | 35.48  | 40.76 | 45.97 | 38.90 | 33.21 | 28.79 | 25.27 | 20.05 | 16.41 | 13.75 | 11.74 |
| 20                     | 0.94                                  | 2.15 | 4.01 | 7.48   | 10.77 | 13.95 | 20.10 | 26.04 | 31.83 | 37.50  | 43.08 | 48.59 | 42.01 | 35.87 | 31.09 | 27.29 | 21.65 | 17.72 | 14.85 | 12.68 |
| 21                     | 0.99                                  | 2.26 | 4.22 | 7.88   | 11.35 | 14.71 | 21.18 | 27.45 | 33.55 | 39.53  | 45.42 | 51.21 | 45.20 | 38.59 | 33.45 | 29.36 | 23.30 | 19.07 | 15.98 | 13.64 |
| 22                     | 1.04                                  | 2.38 | 4.44 | 8.29   | 11.94 | 15.47 | 22.28 | 28.86 | 35.28 | 41.57  | 47.76 | 53.85 | 48.47 | 41.38 | 35.87 | 31.48 | 24.98 | 20.45 | 17.14 | 14.63 |
| 23                     | 1.09                                  | 2.50 | 4.66 | 8.70   | 12.52 | 16.23 | 23.37 | 30.28 | 37.01 | 43.61  | 50.10 | 56.50 | 51.81 | 44.24 | 38.34 | 33.65 | 26.70 | 21.86 | 18.32 | 15.64 |
| 24                     | 1.15                                  | 2.61 | 4.88 | 9.10   | 13.11 | 16.99 | 24.47 | 31.70 | 38.75 | 45.66  | 52.46 | 59.16 | 55.23 | 47.15 | 40.87 | 35.87 | 28.47 | 23.30 | 19.53 | 16.67 |
| 25                     | 1.20                                  | 2.73 | 5.10 | 9.51   | 13.70 | 17.76 | 25.57 | 33.13 | 40.50 | 47.72  | 54.83 | 61.83 | 58.71 | 50.13 | 43.45 | 38.14 | 30.26 | 24.77 | 20.76 | 17.72 |
| 26                     | 1.25                                  | 2.85 | 5.32 | 9.93   | 14.30 | 18.52 | 26.68 | 34.57 | 42.25 | 49.79  | 57.20 | 64.50 | 62.27 | 53.17 | 46.08 | 40.45 | 32.10 | 26.27 | 22.02 | 18.80 |
| 28                     | 1.35                                  | 3.09 | 5.76 | 10.75  | 15.49 | 20.07 | 28.90 | 37.45 | 45.77 | 53.94  | 61.96 | 69.88 | 69.59 | 59.42 | 51.50 | 45.20 | 35.87 | 29.36 | 24.60 | 21.01 |
| 30                     | 1.46                                  | 3.33 | 6.21 | 11.59  | 16.69 | 21.62 | 31.14 | 40.34 | 49.32 | 58.11  | 66.76 | 75.3  | 77.2  | 65.90 | 57.12 | 50.13 | 39.78 | 32.56 | 27.29 | 23.30 |
| 32                     | 1.56                                  | 3.57 | 6.66 | 12.42  | 17.89 | 23.18 | 33.39 | 43.25 | 52.88 | 62.30  | 71.58 | 80.7  | 85.0  | 72.60 | 62.93 | 55.23 | 43.82 | 35.87 | 30.06 | 25.67 |
| 35                     | 1.72                                  | 3.93 | 7.33 | 13.68  | 19.71 | 25.54 | 36.78 | 47.65 | 58.25 | 68.64  | 78.9  | 88.9  | 97.3  | 83.0  | 71.98 | 63.17 | 50.13 | 41.03 | 34.39 | 29.36 |
| 40                     | 1.99                                  | 4.54 | 8.47 | 15.81  | 22.77 | 29.50 | 42.49 | 55.04 | 67.28 | 79.3   | 91.1  | 102.7 | 114.2 | 101.5 | 87.9  | 77.2  | 61.25 | 50.13 | 42.01 | 35.87 |
| 45                     | 2.26                                  | 5.16 | 9.62 | 17.95  | 25.86 | 33.50 | 48.25 | 62.51 | 76.4  | 90.0   | 103.4 | 116.7 | 129.7 | 121.1 | 104.9 | 92.1  | 73.08 | 59.82 | 50.13 | 42.80 |
| Lube                   | Type A                                |      |      | Type B |       |       |       |       |       | Type C |       |       |       |       |       |       |       |       |       |       |

Lube Type A: Manual or Drip Lubrication  
 Lube Type B: Bath or Slinger Disc Lubrication  
 Lube Type C: Oil Stream or Pressure Spray Lubrication

Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

|                     |     |     |     |     |     |
|---------------------|-----|-----|-----|-----|-----|
| Number of Strands   | 2   | 3   | 4   | 5   | 6   |
| Multi-Strand Factor | 1.7 | 2.5 | 3.3 | 3.9 | 4.6 |

# 100 ASME/ANSI Roller Chain



## Chain Dimensions

| Common Dimensions             |            |                   |                |                   |                |                        |                            |                                   |  |  |
|-------------------------------|------------|-------------------|----------------|-------------------|----------------|------------------------|----------------------------|-----------------------------------|--|--|
| MAXCO Chain Number            | Units      | Chain Pitch P     | Inside Width W | Roller Diameter R | Pin Diameter D | Link Plate Thickness T | Roller Link Plate Height H | Number of Links in 10ft/5m        | Available Construction                   |  |
| 100                           | inch<br>mm | 1.250<br>31.75    | 0.750<br>19.05 | 0.750<br>19.05    | 0.375<br>9.53  | 0.157<br>4.0           | 1.154<br>29.3              | 96<br>158                         | Yes                                      | Yes                                    |
| Pin Lengths and Chain Ratings |            |                   |                |                   |                |                        |                            |                                   |  |  |
| MAXCO Chain Number            | Units      | Number of Strands | Pin Length     |                   |                |                        | Transverse Pitch TP        | Rated Working Load<br>Lbs<br>Kg-f | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|                               |            |                   | L1             | L2                | LR             | LC                     |                            |                                   |  |  |
| 100                           | inch<br>mm | 1                 | 0.78<br>19.7   | 0.92<br>23.3      | 1.55<br>39.4   | 1.69<br>43.0           | -<br>-                     | 6,610<br>3,005                    | 26,500<br>12,045                         | 2.62<br>3.91                           |
| 100-2                         | inch<br>mm | 2                 | 1.48<br>37.6   | 1.62<br>41.2      | 2.96<br>75.1   | 3.10<br>78.8           | 1.409<br>35.8              | 8,650<br>3,930                    | 53,000<br>24,090                         | 5.19<br>7.74                           |
| 100-3                         | inch<br>mm | 3                 | 2.19<br>55.5   | 2.33<br>59.1      | 4.37<br>110.9  | 4.51<br>114.6          | 1.409<br>35.8              | 12,730<br>5,785                   | 79,500<br>36,135                         | 7.77<br>11.6                           |
| 100-4                         | inch<br>mm | 4                 | 2.90<br>73.7   | 3.04<br>77.1      | 5.80<br>147.4  | 5.94<br>150.8          | 1.409<br>35.8              | 16,800<br>7,635                   | 106,000<br>48,180                        | 10.3<br>15.4                           |
| 100-5                         | inch<br>mm | 5                 | 3.60<br>91.5   | 3.74<br>95.1      | 7.20<br>183.0  | 7.35<br>186.6          | 1.409<br>35.8              | 19,850<br>9,025                   | 132,500<br>60,225                        | 12.9<br>19.3                           |
| 100-6                         | inch<br>mm | 6                 | 4.31<br>109.4  | 4.45<br>113.0     | 8.61<br>218.8  | 8.76<br>222.4          | 1.409<br>35.8              | 23,400<br>10,635                  | 159,000<br>72,275                        | 15.5<br>23.1                           |



# 100 ASME/ANSI Roller Chain

Horsepower Capacity Table

| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |       |       |        |       |       |       |       |       |        |       |       |       |       |       |       |       |       |       |       |
|------------------------|---------------------------------------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 10                                    | 25    | 50    | 100    | 150   | 200   | 300   | 400   | 500   | 600    | 700   | 800   | 900   | 1000  | 1100  | 1200  | 1300  | 1400  | 1600  | 1800  |
| 9                      | 1.02                                  | 2.33  | 4.34  | 8.11   | 11.68 | 15.12 | 21.78 | 28.22 | 34.49 | 37.33  | 29.62 | 24.25 | 20.32 | 17.35 | 15.04 | 13.20 | 11.70 | 10.47 | 8.58  | 7.18  |
| 10                     | 1.14                                  | 2.61  | 4.87  | 9.08   | 13.08 | 16.94 | 24.41 | 31.62 | 38.66 | 43.73  | 34.71 | 28.40 | 23.81 | 20.32 | 17.61 | 15.46 | 13.71 | 12.27 | 10.04 | 8.42  |
| 11                     | 1.27                                  | 2.90  | 5.39  | 10.07  | 14.50 | 18.78 | 27.05 | 35.05 | 42.84 | 50.44  | 40.03 | 32.76 | 27.47 | 23.45 | 20.32 | 17.84 | 15.82 | 14.16 | 11.58 | 9.71  |
| 12                     | 1.39                                  | 3.18  | 5.92  | 11.06  | 15.92 | 20.62 | 29.72 | 38.50 | 47.06 | 55.46  | 45.62 | 37.33 | 31.29 | 26.72 | 23.15 | 20.32 | 18.03 | 16.13 | 13.20 | 11.06 |
| 13                     | 1.51                                  | 3.46  | 6.46  | 12.05  | 17.36 | 22.49 | 32.40 | 41.98 | 51.31 | 60.47  | 51.43 | 42.09 | 35.28 | 30.12 | 26.11 | 22.91 | 20.32 | 18.19 | 14.88 | 12.48 |
| 14                     | 1.65                                  | 3.75  | 7.00  | 13.06  | 18.81 | 24.37 | 35.11 | 45.48 | 55.59 | 65.51  | 57.48 | 47.05 | 39.42 | 33.66 | 29.18 | 25.60 | 22.71 | 20.32 | 16.64 | 13.94 |
| 15                     | 1.77                                  | 4.03  | 7.53  | 14.08  | 20.27 | 26.26 | 37.82 | 48.99 | 59.89 | 70.58  | 63.75 | 52.17 | 43.73 | 37.33 | 32.36 | 28.40 | 25.19 | 22.53 | 18.45 | 15.46 |
| 16                     | 1.90                                  | 4.33  | 8.08  | 15.08  | 21.73 | 28.15 | 40.55 | 52.53 | 64.22 | 75.67  | 70.23 | 57.48 | 48.18 | 41.13 | 35.66 | 31.29 | 27.75 | 24.83 | 20.32 | 17.04 |
| 17                     | 2.02                                  | 4.62  | 8.63  | 16.11  | 23.20 | 30.05 | 43.30 | 56.09 | 68.57 | 80.79  | 76.92 | 62.95 | 52.76 | 45.04 | 39.05 | 34.26 | 30.39 | 27.20 | 22.25 | 18.65 |
| 18                     | 2.16                                  | 4.92  | 9.18  | 17.13  | 24.68 | 31.97 | 46.05 | 59.66 | 72.92 | 85.94  | 83.79 | 68.59 | 57.48 | 49.08 | 42.53 | 37.33 | 33.11 | 29.62 | 24.25 | 20.32 |
| 19                     | 2.29                                  | 5.21  | 9.73  | 18.16  | 26.17 | 33.89 | 48.82 | 63.24 | 77.32 | 91.10  | 90.88 | 74.38 | 62.33 | 53.23 | 46.14 | 40.48 | 35.91 | 32.13 | 26.30 | 22.04 |
| 20                     | 2.41                                  | 5.51  | 10.28 | 19.20  | 27.65 | 35.82 | 51.60 | 66.85 | 81.72 | 96.29  | 98.15 | 80.34 | 67.32 | 57.48 | 49.83 | 43.73 | 38.78 | 34.71 | 28.40 | 23.81 |
| 21                     | 2.55                                  | 5.82  | 10.84 | 20.24  | 29.14 | 37.76 | 54.40 | 70.47 | 86.14 | 101.5  | 105.6 | 86.43 | 72.44 | 61.85 | 53.61 | 47.05 | 41.73 | 37.33 | 30.56 | 25.60 |
| 22                     | 2.68                                  | 6.11  | 11.41 | 21.27  | 30.64 | 39.71 | 57.20 | 74.10 | 90.58 | 106.7  | 117.3 | 92.68 | 77.67 | 66.31 | 57.48 | 50.44 | 44.75 | 40.03 | 32.76 | 27.47 |
| 23                     | 2.82                                  | 6.41  | 11.97 | 22.32  | 32.16 | 41.66 | 60.01 | 77.73 | 95.03 | 112.0  | 121.0 | 99.06 | 83.03 | 70.88 | 61.45 | 53.93 | 47.83 | 42.79 | 35.03 | 29.36 |
| 24                     | 2.95                                  | 6.72  | 12.52 | 23.38  | 33.67 | 43.62 | 62.83 | 81.39 | 99.50 | 117.2  | 129.0 | 105.6 | 88.50 | 75.56 | 65.50 | 57.48 | 50.98 | 45.62 | 37.33 | 31.29 |
| 25                     | 3.07                                  | 7.01  | 13.10 | 24.42  | 35.19 | 45.59 | 65.66 | 85.07 | 104.0 | 122.5  | 137.2 | 112.3 | 94.09 | 80.34 | 69.62 | 61.11 | 54.20 | 48.50 | 39.69 | 33.27 |
| 26                     | 3.20                                  | 7.32  | 13.66 | 25.48  | 36.72 | 47.56 | 68.50 | 88.75 | 108.5 | 127.8  | 145.5 | 119.1 | 99.79 | 85.20 | 73.85 | 64.81 | 57.48 | 51.43 | 42.09 | 35.28 |
| 28                     | 3.47                                  | 7.92  | 14.80 | 27.61  | 39.77 | 51.53 | 74.21 | 96.14 | 117.5 | 138.5  | 159.1 | 133.1 | 111.5 | 95.21 | 82.53 | 72.44 | 64.24 | 57.48 | 47.05 | 39.42 |
| 30                     | 3.74                                  | 8.54  | 15.94 | 29.75  | 42.84 | 55.51 | 79.95 | 103.6 | 126.6 | 149.2  | 171.4 | 147.6 | 123.7 | 105.6 | 91.53 | 80.34 | 71.25 | 63.75 | 52.17 | 43.73 |
| 32                     | 4.02                                  | 9.16  | 17.09 | 31.89  | 45.94 | 59.52 | 85.72 | 111.1 | 135.8 | 160.0  | 183.8 | 162.6 | 136.2 | 116.3 | 100.8 | 88.50 | 78.49 | 70.23 | 57.48 | 48.18 |
| 35                     | 4.42                                  | 10.09 | 18.83 | 35.13  | 50.60 | 65.56 | 94.44 | 122.3 | 149.6 | 176.3  | 202.4 | 185.9 | 155.9 | 133.1 | 115.3 | 101.2 | 89.77 | 80.34 | 65.75 | 55.11 |
| 40                     | 5.11                                  | 11.65 | 21.74 | 40.59  | 58.46 | 75.74 | 109.1 | 141.3 | 172.8 | 203.6  | 233.9 | 227.2 | 190.5 | 162.6 | 140.9 | 123.7 | 109.7 | 98.15 | 80.34 | 67.32 |
| 45                     | 5.80                                  | 13.23 | 24.71 | 46.09  | 66.38 | 86.01 | 123.9 | 160.5 | 196.2 | 231.2  | 265.5 | 271.2 | 227.2 | 194.0 | 168.1 | 147.6 | 130.9 | 117.1 | 95.86 | 80.34 |
| Lube                   | Type A                                |       |       | Type B |       |       |       |       |       | Type C |       |       |       |       |       |       |       |       |       |       |

Kilowatt Capacity Table

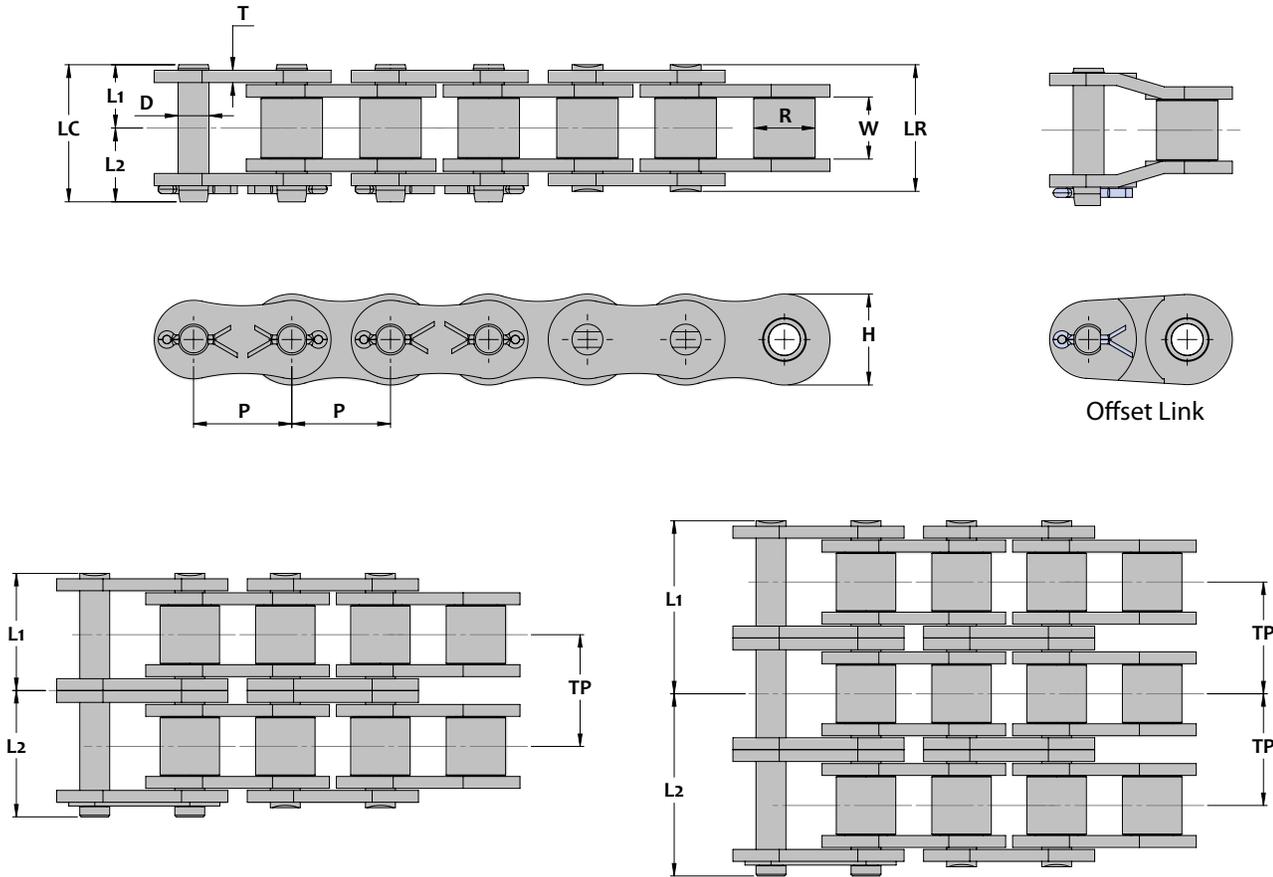
| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |      |       |        |       |       |       |       |       |        |       |       |       |       |       |       |       |       |       |       |
|------------------------|---------------------------------------|------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 10                                    | 25   | 50    | 100    | 150   | 200   | 300   | 400   | 500   | 600    | 700   | 800   | 900   | 1000  | 1100  | 1200  | 1300  | 1400  | 1600  | 1800  |
| 9                      | 0.76                                  | 1.74 | 3.24  | 6.05   | 8.71  | 11.28 | 16.25 | 21.05 | 25.73 | 27.85  | 22.10 | 18.09 | 15.16 | 12.94 | 11.22 | 9.85  | 8.73  | 7.81  | 6.40  | 5.36  |
| 10                     | 0.85                                  | 1.95 | 3.63  | 6.77   | 9.76  | 12.64 | 18.21 | 23.59 | 28.84 | 32.62  | 25.89 | 21.19 | 17.76 | 15.16 | 13.14 | 11.53 | 10.23 | 9.15  | 7.49  | 6.28  |
| 11                     | 0.95                                  | 2.16 | 4.02  | 7.51   | 10.82 | 14.01 | 20.18 | 26.15 | 31.96 | 37.63  | 29.86 | 24.44 | 20.49 | 17.49 | 15.16 | 13.31 | 11.80 | 10.56 | 8.64  | 7.24  |
| 12                     | 1.04                                  | 2.37 | 4.42  | 8.25   | 11.88 | 15.38 | 22.17 | 28.72 | 35.11 | 41.37  | 34.03 | 27.85 | 23.34 | 19.93 | 17.27 | 15.16 | 13.45 | 12.03 | 9.85  | 8.25  |
| 13                     | 1.13                                  | 2.58 | 4.82  | 8.99   | 12.95 | 16.78 | 24.17 | 31.32 | 38.28 | 45.11  | 38.37 | 31.40 | 26.32 | 22.47 | 19.48 | 17.09 | 15.16 | 13.57 | 11.10 | 9.31  |
| 14                     | 1.23                                  | 2.80 | 5.22  | 9.74   | 14.03 | 18.18 | 26.19 | 33.93 | 41.47 | 48.87  | 42.88 | 35.10 | 29.41 | 25.11 | 21.77 | 19.10 | 16.94 | 15.16 | 12.41 | 10.40 |
| 15                     | 1.32                                  | 3.01 | 5.62  | 10.50  | 15.12 | 19.59 | 28.21 | 36.55 | 44.68 | 52.65  | 47.56 | 38.92 | 32.62 | 27.85 | 24.14 | 21.19 | 18.79 | 16.81 | 13.76 | 11.53 |
| 16                     | 1.42                                  | 3.23 | 6.03  | 11.25  | 16.21 | 21.00 | 30.25 | 39.19 | 47.91 | 56.45  | 52.39 | 42.88 | 35.94 | 30.68 | 26.60 | 23.34 | 20.70 | 18.52 | 15.16 | 12.71 |
| 17                     | 1.51                                  | 3.45 | 6.44  | 12.02  | 17.31 | 22.42 | 32.30 | 41.84 | 51.15 | 60.27  | 57.38 | 46.96 | 39.36 | 33.60 | 29.13 | 25.56 | 22.67 | 20.29 | 16.60 | 13.91 |
| 18                     | 1.61                                  | 3.67 | 6.85  | 12.78  | 18.41 | 23.85 | 34.35 | 44.51 | 54.40 | 64.11  | 62.51 | 51.17 | 42.88 | 36.61 | 31.73 | 27.85 | 24.70 | 22.10 | 18.09 | 15.16 |
| 19                     | 1.71                                  | 3.89 | 7.26  | 13.55  | 19.52 | 25.28 | 36.42 | 47.18 | 57.68 | 67.96  | 67.80 | 55.49 | 46.50 | 39.71 | 34.42 | 30.20 | 26.79 | 23.97 | 19.62 | 16.44 |
| 20                     | 1.80                                  | 4.11 | 7.67  | 14.32  | 20.63 | 26.72 | 38.49 | 49.87 | 60.96 | 71.83  | 73.22 | 59.93 | 50.22 | 42.88 | 37.17 | 32.62 | 28.93 | 25.89 | 21.19 | 17.76 |
| 21                     | 1.90                                  | 4.34 | 8.09  | 15.10  | 21.74 | 28.17 | 40.58 | 52.57 | 64.26 | 75.7   | 78.8  | 64.48 | 54.04 | 46.14 | 39.99 | 35.10 | 31.13 | 27.85 | 22.80 | 19.10 |
| 22                     | 2.00                                  | 4.56 | 8.51  | 15.87  | 22.86 | 29.62 | 42.67 | 55.28 | 67.57 | 79.6   | 87.5  | 69.14 | 57.94 | 49.47 | 42.88 | 37.63 | 33.38 | 29.86 | 24.44 | 20.49 |
| 23                     | 2.10                                  | 4.78 | 8.93  | 16.65  | 23.99 | 31.08 | 44.77 | 57.99 | 70.89 | 83.5   | 90.3  | 73.90 | 61.94 | 52.88 | 45.84 | 40.23 | 35.68 | 31.92 | 26.13 | 21.90 |
| 24                     | 2.20                                  | 5.01 | 9.34  | 17.44  | 25.12 | 32.54 | 46.87 | 60.72 | 74.23 | 87.5   | 96.3  | 78.8  | 66.02 | 56.37 | 48.86 | 42.88 | 38.03 | 34.03 | 27.85 | 23.34 |
| 25                     | 2.29                                  | 5.23 | 9.77  | 18.22  | 26.25 | 34.01 | 48.98 | 63.46 | 77.6  | 91.4   | 102.3 | 83.8  | 70.19 | 59.93 | 51.94 | 45.59 | 40.43 | 36.18 | 29.61 | 24.82 |
| 26                     | 2.39                                  | 5.46 | 10.19 | 19.01  | 27.39 | 35.48 | 51.10 | 66.21 | 80.9  | 95.4   | 108.5 | 88.8  | 74.44 | 63.56 | 55.09 | 48.35 | 42.88 | 38.37 | 31.40 | 26.32 |
| 28                     | 2.59                                  | 5.91 | 11.04 | 20.60  | 29.67 | 38.44 | 55.36 | 71.72 | 87.7  | 103.3  | 118.7 | 99.3  | 83.2  | 71.03 | 61.57 | 54.04 | 47.92 | 42.88 | 35.10 | 29.41 |
| 30                     | 2.79                                  | 6.37 | 11.89 | 22.19  | 31.96 | 41.41 | 59.64 | 77.3  | 94.5  | 111.3  | 127.9 | 110.1 | 92.3  | 78.8  | 68.28 | 59.93 | 53.15 | 47.56 | 38.92 | 32.62 |
| 32                     | 3.00                                  | 6.83 | 12.75 | 23.79  | 34.27 | 44.40 | 63.95 | 82.9  | 101.3 | 119.3  | 137.1 | 121.3 | 101.6 | 86.8  | 75.2  | 66.02 | 58.55 | 52.39 | 42.88 | 35.94 |
| 35                     | 3.30                                  | 7.53 | 14.05 | 26.21  | 37.75 | 48.91 | 70.45 | 91.3  | 111.6 | 131.5  | 151.0 | 138.7 | 116.3 | 99.3  | 86.1  | 75.5  | 66.97 | 59.93 | 49.05 | 41.11 |
| 40                     | 3.81                                  | 8.69 | 16.22 | 30.28  | 43.61 | 56.50 | 81.4  | 105.4 | 128.9 | 151.9  | 174.5 | 169.5 | 142.1 | 121.3 | 105.1 | 92.3  | 81.8  | 73.22 | 59.93 | 50.22 |
| 45                     | 4.33                                  | 9.87 | 18.43 | 34.38  | 49.52 | 64.16 | 92.4  | 119.7 | 146.4 | 172.5  | 198.1 | 202.3 | 169.5 | 144.7 | 125.4 | 110.1 | 97.6  | 87.4  | 71.51 | 59.93 |
| Lube                   | Type A                                |      |       | Type B |       |       |       |       |       | Type C |       |       |       |       |       |       |       |       |       |       |

Lube Type A: Manual or Drip Lubrication  
 Lube Type B: Bath or Slinger Disc Lubrication  
 Lube Type C: Oil Stream or Pressure Spray Lubrication

Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

|                     |     |     |     |     |     |
|---------------------|-----|-----|-----|-----|-----|
| Number of Strands   | 2   | 3   | 4   | 5   | 6   |
| Multi-Strand Factor | 1.7 | 2.5 | 3.3 | 3.9 | 4.6 |

# 120 ASME/ANSI Roller Chain



## Chain Dimensions

| Common Dimensions             |            |                   |                |                   |                |                        |                            |                            |                           |                      |
|-------------------------------|------------|-------------------|----------------|-------------------|----------------|------------------------|----------------------------|----------------------------|---------------------------|----------------------|
| MAXCO Chain Number            | Units      | Chain Pitch P     | Inside Width W | Roller Diameter R | Pin Diameter D | Link Plate Thickness T | Roller Link Plate Height H | Number of Links in 10ft/5m | Available Construction    |                      |
| 120                           | inch<br>mm | 1.500<br>38.10    | 1.000<br>25.40 | 0.875<br>22.23    | 0.437<br>11.10 | 0.188<br>4.8           | 1.382<br>35.1              | 80<br>132                  | Cottered                  | Riveted              |
| Pin Lengths and Chain Ratings |            |                   |                |                   |                |                        |                            |                            |                           |                      |
| MAXCO Chain Number            | Units      | Number of Strands | Pin Length     |                   |                |                        | Transverse Pitch TP        | Rated Working Load         | Average Ultimate Strength | Average Chain Weight |
|                               |            |                   | L1             | L2                | LR             | LC                     |                            |                            |                           |                      |
| 120                           | inch<br>mm | 1                 | 0.98<br>24.8   | 1.13<br>28.6      | 1.95<br>49.5   | 2.10<br>53.4           | -<br>-                     | 8,880<br>4,035             | 39,000<br>17,725          | 3.86<br>5.76         |
| 120-2                         | inch<br>mm | 2                 | 1.87<br>47.5   | 2.02<br>51.3      | 3.74<br>94.9   | 3.89<br>98.8           | 1.787<br>45.4              | 11,620<br>5,280            | 78,000<br>35,455          | 7.70<br>11.5         |
| 120-3                         | inch<br>mm | 3                 | 2.76<br>70.2   | 2.91<br>74.0      | 5.52<br>140.3  | 5.68<br>144.2          | 1.787<br>45.4              | 17,080<br>7,765            | 117,000<br>53,180         | 11.5<br>17.2         |
| 120-4                         | inch<br>mm | 4                 | 3.67<br>93.1   | 3.81<br>96.9      | 7.33<br>186.1  | 7.48<br>190.0          | 1.787<br>45.4              | 22,550<br>10,250           | 156,000<br>70,910         | 15.4<br>22.9         |
| 120-5                         | inch<br>mm | 5                 | 4.56<br>115.8  | 4.71<br>119.6     | 9.11<br>231.5  | 9.27<br>235.4          | 1.787<br>45.4              | 26,750<br>12,160           | 195,000<br>88,635         | 19.2<br>28.7         |
| 120-6                         | inch<br>mm | 6                 | 5.45<br>138.5  | 5.60<br>142.3     | 10.90<br>276.9 | 11.06<br>280.8         | 1.787<br>45.4              | 31,470<br>14,305           | 234,000<br>106,365        | 23.0<br>34.4         |



# 120 ASME/ANSI Roller Chain

Horsepower Capacity Table

| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |        |       |       |       |       |       |       |       |       |       |        |       |       |       |       |       |       |       |       |
|------------------------|---------------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 10                                    | 25     | 50    | 100   | 150   | 200   | 300   | 400   | 500   | 600   | 700   | 800    | 900   | 1000  | 1100  | 1200  | 1300  | 1400  | 1500  | 1600  |
| 9                      | 1.73                                  | 3.93   | 7.33  | 13.69 | 19.72 | 25.54 | 36.78 | 47.65 | 56.78 | 43.20 | 34.28 | 28.06  | 23.51 | 20.08 | 17.40 | 15.27 | 13.54 | 12.12 | 10.92 | 9.92  |
| 10                     | 1.93                                  | 4.41   | 8.22  | 15.34 | 22.09 | 28.62 | 41.22 | 53.39 | 65.27 | 50.59 | 40.15 | 32.86  | 27.53 | 23.51 | 20.38 | 17.88 | 15.86 | 14.20 | 12.80 | 11.62 |
| 11                     | 2.14                                  | 4.88   | 9.10  | 17.00 | 24.48 | 31.72 | 45.68 | 59.18 | 72.35 | 58.36 | 46.31 | 37.91  | 31.77 | 27.13 | 23.51 | 20.63 | 18.30 | 16.38 | 14.77 | 13.40 |
| 12                     | 2.35                                  | 5.36   | 10.00 | 18.67 | 26.89 | 34.84 | 50.19 | 65.01 | 79.48 | 66.50 | 52.77 | 43.20  | 36.21 | 30.91 | 26.80 | 23.51 | 20.86 | 18.66 | 16.82 | 15.27 |
| 13                     | 2.56                                  | 5.84   | 10.91 | 20.36 | 29.32 | 37.99 | 54.72 | 70.88 | 86.65 | 74.99 | 59.50 | 48.71  | 40.82 | 34.85 | 30.21 | 26.51 | 23.51 | 21.05 | 18.97 | 17.23 |
| 14                     | 2.77                                  | 6.33   | 11.82 | 22.05 | 31.77 | 41.15 | 59.28 | 76.80 | 93.87 | 83.81 | 66.50 | 54.44  | 45.62 | 38.95 | 33.77 | 29.62 | 26.27 | 23.51 | 21.21 | 19.25 |
| 15                     | 2.99                                  | 6.82   | 12.73 | 23.75 | 34.22 | 44.34 | 63.86 | 82.73 | 101.1 | 92.95 | 73.75 | 60.38  | 50.59 | 43.20 | 37.44 | 32.86 | 29.14 | 26.07 | 23.51 | 21.34 |
| 16                     | 3.20                                  | 7.32   | 13.65 | 25.47 | 36.69 | 47.53 | 68.47 | 88.71 | 108.4 | 102.4 | 81.26 | 66.50  | 55.74 | 47.59 | 41.25 | 36.21 | 32.10 | 28.73 | 25.90 | 23.51 |
| 17                     | 3.42                                  | 7.82   | 14.57 | 27.20 | 39.18 | 50.75 | 73.11 | 94.71 | 115.8 | 112.1 | 88.99 | 72.84  | 61.05 | 52.12 | 45.17 | 39.65 | 35.16 | 31.46 | 28.36 | 25.75 |
| 18                     | 3.65                                  | 8.31   | 15.51 | 28.93 | 41.68 | 53.98 | 77.76 | 100.7 | 123.2 | 122.2 | 96.96 | 79.36  | 66.50 | 56.78 | 49.22 | 43.20 | 38.31 | 34.28 | 30.91 | 28.06 |
| 19                     | 3.86                                  | 8.81   | 16.43 | 30.67 | 44.18 | 57.24 | 82.44 | 106.8 | 130.5 | 132.5 | 105.1 | 86.06  | 72.13 | 61.58 | 53.38 | 46.85 | 41.54 | 37.17 | 33.53 | 30.43 |
| 20                     | 4.08                                  | 9.30   | 17.37 | 32.41 | 46.69 | 60.50 | 87.13 | 112.9 | 138.0 | 143.1 | 113.6 | 92.95  | 77.90 | 66.50 | 57.64 | 50.59 | 44.87 | 40.15 | 36.21 | 32.86 |
| 21                     | 4.30                                  | 9.81   | 18.31 | 34.17 | 49.22 | 63.77 | 91.85 | 119.0 | 145.5 | 154.0 | 122.2 | 100.0  | 83.81 | 71.55 | 62.02 | 54.44 | 48.27 | 43.20 | 38.95 | 35.36 |
| 22                     | 4.52                                  | 10.32  | 19.25 | 35.94 | 51.76 | 67.05 | 96.58 | 125.1 | 152.9 | 165.1 | 131.0 | 107.2  | 89.87 | 76.73 | 66.50 | 58.36 | 51.77 | 46.31 | 41.77 | 37.91 |
| 23                     | 4.75                                  | 10.83  | 20.20 | 37.69 | 54.30 | 70.35 | 101.3 | 131.3 | 160.5 | 176.5 | 140.0 | 114.6  | 96.06 | 82.02 | 71.10 | 62.40 | 55.34 | 49.52 | 44.65 | 40.52 |
| 24                     | 4.97                                  | 11.34  | 21.15 | 39.48 | 56.85 | 73.66 | 106.1 | 137.5 | 168.0 | 188.1 | 149.3 | 122.2  | 102.4 | 87.43 | 75.78 | 66.50 | 58.98 | 52.77 | 47.59 | 43.20 |
| 25                     | 5.19                                  | 11.85  | 22.10 | 41.25 | 59.42 | 76.98 | 110.9 | 143.6 | 175.6 | 200.0 | 158.7 | 129.9  | 108.9 | 92.95 | 80.56 | 70.71 | 62.71 | 56.11 | 50.59 | 45.92 |
| 26                     | 5.42                                  | 12.36  | 23.06 | 43.04 | 61.98 | 80.31 | 115.7 | 149.9 | 183.2 | 212.1 | 168.3 | 137.8  | 115.5 | 98.58 | 85.44 | 74.99 | 66.50 | 59.50 | 53.66 | 48.71 |
| 28                     | 5.87                                  | 13.39  | 24.99 | 46.62 | 67.16 | 87.00 | 125.3 | 162.3 | 198.5 | 233.8 | 188.1 | 154.0  | 129.0 | 110.2 | 95.50 | 83.81 | 74.33 | 66.50 | 59.97 | 54.44 |
| 30                     | 6.33                                  | 14.42  | 26.92 | 50.23 | 72.35 | 93.73 | 135.0 | 174.9 | 213.8 | 251.9 | 208.6 | 170.8  | 143.1 | 122.2 | 105.9 | 92.95 | 82.43 | 73.75 | 66.50 | 60.38 |
| 32                     | 6.78                                  | 15.47  | 28.86 | 53.86 | 77.57 | 100.5 | 144.8 | 187.5 | 229.2 | 270.1 | 229.8 | 188.1  | 157.6 | 134.6 | 116.7 | 102.4 | 90.80 | 81.26 | 73.27 | 66.50 |
| 35                     | 7.47                                  | 17.04  | 31.80 | 59.33 | 85.46 | 110.7 | 159.5 | 206.6 | 252.5 | 297.6 | 262.9 | 215.2  | 180.3 | 154.0 | 133.5 | 117.1 | 103.9 | 92.95 | 83.81 | 76.07 |
| 40                     | 8.63                                  | 19.68  | 36.73 | 68.53 | 98.71 | 127.9 | 184.2 | 238.6 | 291.7 | 343.7 | 321.2 | 262.9  | 220.3 | 188.1 | 163.1 | 143.1 | 126.9 | 113.6 | 102.4 | 92.95 |
| 45                     | 9.80                                  | 22.35  | 41.70 | 77.83 | 112.1 | 145.2 | 209.2 | 271.0 | 331.3 | 390.4 | 383.3 | 313.7  | 262.9 | 224.5 | 194.6 | 170.8 | 151.4 | 135.5 | 122.2 | 110.9 |
| Lube                   | Type A                                | Type B |       |       |       |       |       |       |       |       |       | Type C |       |       |       |       |       |       |       |       |

Kilowatt Capacity Table

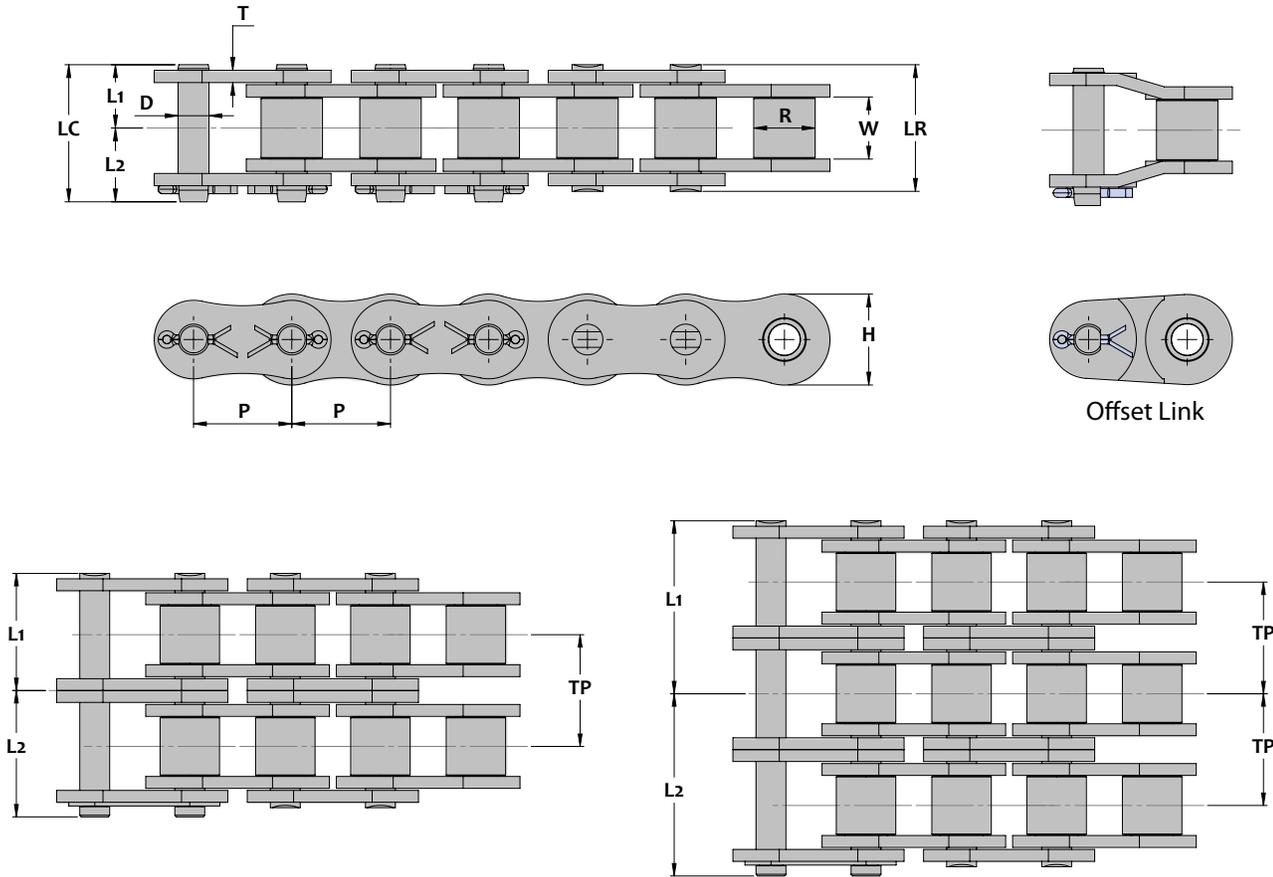
| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |        |       |       |       |       |       |       |       |       |       |        |       |       |       |       |       |       |       |       |
|------------------------|---------------------------------------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 10                                    | 25     | 50    | 100   | 150   | 200   | 300   | 400   | 500   | 600   | 700   | 800    | 900   | 1000  | 1100  | 1200  | 1300  | 1400  | 1500  | 1600  |
| 9                      | 1.29                                  | 2.93   | 5.47  | 10.21 | 14.71 | 19.05 | 27.44 | 35.55 | 42.36 | 32.23 | 25.57 | 20.93  | 17.54 | 14.98 | 12.98 | 11.39 | 10.10 | 9.04  | 8.15  | 7.40  |
| 10                     | 1.44                                  | 3.29   | 6.13  | 11.44 | 16.48 | 21.35 | 30.75 | 39.83 | 48.69 | 37.74 | 29.95 | 24.51  | 20.54 | 17.54 | 15.20 | 13.34 | 11.83 | 10.59 | 9.55  | 8.67  |
| 11                     | 1.60                                  | 3.64   | 6.79  | 12.68 | 18.26 | 23.66 | 34.08 | 44.15 | 53.97 | 43.54 | 34.55 | 28.28  | 23.70 | 20.24 | 17.54 | 15.39 | 13.65 | 12.22 | 11.02 | 10.00 |
| 12                     | 1.75                                  | 4.00   | 7.46  | 13.93 | 20.06 | 25.99 | 37.44 | 48.50 | 59.29 | 49.61 | 39.37 | 32.23  | 27.01 | 23.06 | 19.99 | 17.54 | 15.56 | 13.92 | 12.55 | 11.39 |
| 13                     | 1.91                                  | 4.36   | 8.14  | 15.19 | 21.87 | 28.34 | 40.82 | 52.88 | 64.64 | 55.94 | 44.39 | 36.34  | 30.45 | 26.00 | 22.54 | 19.78 | 17.54 | 15.70 | 14.15 | 12.85 |
| 14                     | 2.07                                  | 4.72   | 8.82  | 16.45 | 23.70 | 30.70 | 44.22 | 57.29 | 70.03 | 62.52 | 49.61 | 40.61  | 34.03 | 29.06 | 25.19 | 22.10 | 19.60 | 17.54 | 15.82 | 14.36 |
| 15                     | 2.23                                  | 5.09   | 9.50  | 17.72 | 25.53 | 33.08 | 47.64 | 61.72 | 75.45 | 69.34 | 55.02 | 45.04  | 37.74 | 32.23 | 27.93 | 24.51 | 21.74 | 19.45 | 17.54 | 15.92 |
| 16                     | 2.39                                  | 5.46   | 10.18 | 19.00 | 27.37 | 35.46 | 51.08 | 66.18 | 80.90 | 76.39 | 60.62 | 49.61  | 41.58 | 35.50 | 30.77 | 27.01 | 23.95 | 21.43 | 19.32 | 17.54 |
| 17                     | 2.55                                  | 5.83   | 10.87 | 20.29 | 29.23 | 37.86 | 54.54 | 70.65 | 86.37 | 83.66 | 66.39 | 54.34  | 45.54 | 38.88 | 33.70 | 29.58 | 26.23 | 23.47 | 21.16 | 19.21 |
| 18                     | 2.72                                  | 6.20   | 11.57 | 21.58 | 31.09 | 40.27 | 58.01 | 75.15 | 91.87 | 91.15 | 72.33 | 59.20  | 49.61 | 42.36 | 36.72 | 32.23 | 28.58 | 25.57 | 23.06 | 20.93 |
| 19                     | 2.88                                  | 6.57   | 12.26 | 22.88 | 32.96 | 42.70 | 61.50 | 79.67 | 97.39 | 98.85 | 78.44 | 64.20  | 53.81 | 45.94 | 39.82 | 34.95 | 30.99 | 27.73 | 25.01 | 22.70 |
| 20                     | 3.04                                  | 6.94   | 12.96 | 24.18 | 34.83 | 45.13 | 65.00 | 84.21 | 102.9 | 106.8 | 84.71 | 69.34  | 58.11 | 49.61 | 43.00 | 37.74 | 33.47 | 29.95 | 27.01 | 24.51 |
| 21                     | 3.21                                  | 7.32   | 13.66 | 25.49 | 36.72 | 47.57 | 68.52 | 88.77 | 108.5 | 114.9 | 91.15 | 74.60  | 62.52 | 53.38 | 46.27 | 40.61 | 36.01 | 32.23 | 29.06 | 26.38 |
| 22                     | 3.37                                  | 7.70   | 14.36 | 26.81 | 38.61 | 50.02 | 72.05 | 93.34 | 114.1 | 123.2 | 97.73 | 79.99  | 67.04 | 57.24 | 49.61 | 43.54 | 38.62 | 34.55 | 31.16 | 28.28 |
| 23                     | 3.54                                  | 8.08   | 15.07 | 28.12 | 40.51 | 52.48 | 75.59 | 97.93 | 119.7 | 131.7 | 104.5 | 85.51  | 71.66 | 61.19 | 53.04 | 46.55 | 41.28 | 36.94 | 33.31 | 30.23 |
| 24                     | 3.71                                  | 8.46   | 15.78 | 29.45 | 42.41 | 54.95 | 79.15 | 102.5 | 125.3 | 140.3 | 111.4 | 91.15  | 76.39 | 65.22 | 56.53 | 49.61 | 44.00 | 39.37 | 35.50 | 32.23 |
| 25                     | 3.87                                  | 8.84   | 16.49 | 30.77 | 44.33 | 57.43 | 82.72 | 107.2 | 131.0 | 149.2 | 118.4 | 96.90  | 81.21 | 69.34 | 60.10 | 52.75 | 46.78 | 41.86 | 37.74 | 34.26 |
| 26                     | 4.04                                  | 9.22   | 17.20 | 32.11 | 46.24 | 59.91 | 86.29 | 111.8 | 136.7 | 158.2 | 125.6 | 102.8  | 86.13 | 73.54 | 63.74 | 55.94 | 49.61 | 44.39 | 40.03 | 36.34 |
| 28                     | 4.38                                  | 9.99   | 18.64 | 34.78 | 50.10 | 64.90 | 93.49 | 121.1 | 148.1 | 174.5 | 140.3 | 114.9  | 96.26 | 82.19 | 71.24 | 62.52 | 55.45 | 49.61 | 44.74 | 40.61 |
| 30                     | 4.72                                  | 10.76  | 20.08 | 37.47 | 53.97 | 69.92 | 100.7 | 130.5 | 159.5 | 187.9 | 155.6 | 127.4  | 106.8 | 91.15 | 79.00 | 69.34 | 61.49 | 55.02 | 49.61 | 45.04 |
| 32                     | 5.06                                  | 11.54  | 21.53 | 40.18 | 57.87 | 74.97 | 108.0 | 139.9 | 171.0 | 201.5 | 171.5 | 140.3  | 117.6 | 100.4 | 87.04 | 76.39 | 67.74 | 60.62 | 54.66 | 49.61 |
| 35                     | 5.57                                  | 12.71  | 23.72 | 44.26 | 63.75 | 82.59 | 119.0 | 154.1 | 188.4 | 222.0 | 196.1 | 160.5  | 134.5 | 114.9 | 99.56 | 87.38 | 77.49 | 69.34 | 62.52 | 56.75 |
| 40                     | 6.44                                  | 14.68  | 27.40 | 51.12 | 73.64 | 95.40 | 137.4 | 178.0 | 217.6 | 256.4 | 239.6 | 196.1  | 164.4 | 140.3 | 121.6 | 106.8 | 94.68 | 84.71 | 76.39 | 69.34 |
| 45                     | 7.31                                  | 16.67  | 31.11 | 58.06 | 83.63 | 108.3 | 156.1 | 202.2 | 247.1 | 291.2 | 285.9 | 234.0  | 196.1 | 167.5 | 145.1 | 127.4 | 113.0 | 101.1 | 91.15 | 82.74 |
| Lube                   | Type A                                | Type B |       |       |       |       |       |       |       |       |       | Type C |       |       |       |       |       |       |       |       |

Lube Type A: Manual or Drip Lubrication  
 Lube Type B: Bath or Slinger Disc Lubrication  
 Lube Type C: Oil Stream or Pressure Spray Lubrication

Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

|                     |     |     |     |     |     |
|---------------------|-----|-----|-----|-----|-----|
| Number of Strands   | 2   | 3   | 4   | 5   | 6   |
| Multi-Strand Factor | 1.7 | 2.5 | 3.3 | 3.9 | 4.6 |

# 140 ASME/ANSI Roller Chain



## Chain Dimensions

| Common Dimensions             |            |                   |                |                   |                |                        |                            |                            |                           |                      |
|-------------------------------|------------|-------------------|----------------|-------------------|----------------|------------------------|----------------------------|----------------------------|---------------------------|----------------------|
| MAXCO Chain Number            | Units      | Chain Pitch P     | Inside Width W | Roller Diameter R | Pin Diameter D | Link Plate Thickness T | Roller Link Plate Height H | Number of Links in 10ft/5m | Available Construction    |                      |
| 140                           | inch<br>mm | 1.750<br>44.45    | 1.000<br>25.40 | 1.000<br>25.40    | 0.500<br>12.70 | 0.220<br>5.6           | 1.610<br>40.9              | 70<br>116                  | Yes                       | Yes                  |
| Pin Lengths and Chain Ratings |            |                   |                |                   |                |                        |                            |                            |                           |                      |
| MAXCO Chain Number            | Units      | Number of Strands | Pin Length     |                   |                |                        | Transverse Pitch TP        | Rated Working Load         | Average Ultimate Strength | Average Chain Weight |
|                               |            |                   | L1             | L2                | LR             | LC                     |                            |                            |                           |                      |
| 140                           | inch<br>mm | 1                 | 1.06<br>27.0   | 1.23<br>31.3      | 2.13<br>54.0   | 2.30<br>58.3           | -<br>-                     | 11,750<br>5,340            | 48,600<br>22,090          | 4.97<br>7.41         |
| 140-2                         | inch<br>mm | 2                 | 2.03<br>51.5   | 2.19<br>55.7      | 4.05<br>102.9  | 4.22<br>107.2          | 1.925<br>48.9              | 15,400<br>7,000            | 97,200<br>44,180          | 9.81<br>14.6         |
| 140-3                         | inch<br>mm | 3                 | 2.99<br>75.9   | 3.17<br>80.4      | 5.97<br>151.7  | 6.15<br>156.3          | 1.925<br>48.9              | 22,700<br>10,320           | 145,800<br>66,275         | 14.7<br>21.9         |
| 140-4                         | inch<br>mm | 4                 | 3.96<br>100.6  | 4.13<br>104.9     | 7.92<br>201.2  | 8.09<br>205.5          | 1.925<br>48.9              | 29,900<br>13,590           | 194,400<br>88,365         | 19.6<br>29.2         |
| 140-5                         | inch<br>mm | 5                 | 4.93<br>125.1  | 5.09<br>129.3     | 9.85<br>250.1  | 10.02<br>254.4         | 1.925<br>48.9              | 35,400<br>16,090           | 243,000<br>110,455        | 24.4<br>36.5         |
| 140-6                         | inch<br>mm | 6                 | 5.89<br>149.5  | 6.06<br>153.8     | 11.77<br>299.0 | 11.94<br>303.3         | 1.925<br>48.9              | 41,580<br>18,900           | 291,600<br>132,545        | 29.3<br>43.7         |



# 140 ASME/ANSI Roller Chain

Horsepower Capacity Table

| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |        |       |       |       |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------------------------|---------------------------------------|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 10                                    | 25     | 50    | 100   | 150   | 200   | 250    | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 700   | 800   | 900   | 1000  | 1100  | 1200  |
| 9                      | 2.67                                  | 6.09   | 11.34 | 21.18 | 30.50 | 39.52 | 48.30  | 56.92 | 65.39 | 73.73 | 75.24 | 64.24 | 55.68 | 48.86 | 38.78 | 31.74 | 26.60 | 22.71 | 19.69 | 17.28 |
| 10                     | 2.99                                  | 6.81   | 12.71 | 23.73 | 34.17 | 44.28 | 54.12  | 63.77 | 73.26 | 82.61 | 88.12 | 75.24 | 65.21 | 57.24 | 45.42 | 37.17 | 31.15 | 26.60 | 23.06 | 20.24 |
| 11                     | 3.31                                  | 7.55   | 14.09 | 26.30 | 37.88 | 49.08 | 59.99  | 70.68 | 81.21 | 91.58 | 101.7 | 86.80 | 75.24 | 66.03 | 52.40 | 42.88 | 35.94 | 30.68 | 26.60 | 23.35 |
| 12                     | 3.63                                  | 8.30   | 15.48 | 28.89 | 41.61 | 53.91 | 65.90  | 77.65 | 89.21 | 100.6 | 111.8 | 98.90 | 85.72 | 75.24 | 59.71 | 48.86 | 40.95 | 34.96 | 30.31 | 26.60 |
| 13                     | 3.97                                  | 9.05   | 16.88 | 31.50 | 45.38 | 58.78 | 71.85  | 84.66 | 97.27 | 109.7 | 121.9 | 111.5 | 96.66 | 84.84 | 67.32 | 55.11 | 46.18 | 39.42 | 34.17 | 29.99 |
| 14                     | 4.29                                  | 9.80   | 18.28 | 34.13 | 49.16 | 63.67 | 77.84  | 91.72 | 105.4 | 118.8 | 132.1 | 124.6 | 108.0 | 94.81 | 75.24 | 61.58 | 51.61 | 44.06 | 38.19 | 33.53 |
| 15                     | 4.62                                  | 10.56  | 19.71 | 36.76 | 52.95 | 68.61 | 83.86  | 98.81 | 113.5 | 128.0 | 142.3 | 138.2 | 119.8 | 105.1 | 83.45 | 68.30 | 57.24 | 48.86 | 42.36 | 37.17 |
| 16                     | 4.96                                  | 11.31  | 21.13 | 39.41 | 56.77 | 73.55 | 89.91  | 106.0 | 121.7 | 137.3 | 152.6 | 152.3 | 132.0 | 115.8 | 91.92 | 75.24 | 63.06 | 53.83 | 46.66 | 40.95 |
| 17                     | 5.29                                  | 12.09  | 22.55 | 42.08 | 60.62 | 78.53 | 95.99  | 113.1 | 129.9 | 146.5 | 162.9 | 166.8 | 144.5 | 126.9 | 100.7 | 82.40 | 69.05 | 58.95 | 51.10 | 44.85 |
| 18                     | 5.63                                  | 12.86  | 23.98 | 44.76 | 64.48 | 83.53 | 102.1  | 120.3 | 138.2 | 155.9 | 173.3 | 181.7 | 157.5 | 138.2 | 109.7 | 89.77 | 75.24 | 64.24 | 55.68 | 48.86 |
| 19                     | 5.98                                  | 13.63  | 25.43 | 47.45 | 68.35 | 88.55 | 108.2  | 127.6 | 146.5 | 165.2 | 183.7 | 197.0 | 170.8 | 149.9 | 119.0 | 97.36 | 81.60 | 69.66 | 60.39 | 52.99 |
| 20                     | 6.31                                  | 14.41  | 26.88 | 50.16 | 72.25 | 93.59 | 114.4  | 134.8 | 154.9 | 174.7 | 194.2 | 212.8 | 184.5 | 161.9 | 128.5 | 105.1 | 88.12 | 75.24 | 65.21 | 57.24 |
| 21                     | 6.66                                  | 15.19  | 28.34 | 52.87 | 76.15 | 98.66 | 120.6  | 142.1 | 163.3 | 184.1 | 204.7 | 225.1 | 198.5 | 174.2 | 138.2 | 113.1 | 94.81 | 80.95 | 70.16 | 61.58 |
| 22                     | 7.00                                  | 15.97  | 29.80 | 55.59 | 80.08 | 103.7 | 126.8  | 149.4 | 171.7 | 193.6 | 215.2 | 236.6 | 212.8 | 186.8 | 148.2 | 121.3 | 101.7 | 86.80 | 75.24 | 66.03 |
| 23                     | 7.35                                  | 16.76  | 31.26 | 58.32 | 84.02 | 108.8 | 133.1  | 156.8 | 180.1 | 203.1 | 225.8 | 248.3 | 227.5 | 199.6 | 158.4 | 129.7 | 108.7 | 92.79 | 80.43 | 70.58 |
| 24                     | 7.69                                  | 17.53  | 32.73 | 61.07 | 87.98 | 114.0 | 139.3  | 164.2 | 188.6 | 212.7 | 236.4 | 260.0 | 242.5 | 212.8 | 168.9 | 138.2 | 115.8 | 98.90 | 85.72 | 75.24 |
| 25                     | 8.03                                  | 18.32  | 34.21 | 63.82 | 91.93 | 119.1 | 145.6  | 171.6 | 197.1 | 222.3 | 247.1 | 271.7 | 257.8 | 226.2 | 179.5 | 146.9 | 123.2 | 105.1 | 91.14 | 79.99 |
| 26                     | 8.38                                  | 19.13  | 35.68 | 66.58 | 95.91 | 124.3 | 151.9  | 179.0 | 205.6 | 231.9 | 257.8 | 283.4 | 273.4 | 239.9 | 190.4 | 155.8 | 130.6 | 111.5 | 96.66 | 84.84 |
| 28                     | 9.08                                  | 20.71  | 38.66 | 72.13 | 103.9 | 134.6 | 164.5  | 193.9 | 222.7 | 251.2 | 279.3 | 305.5 | 268.2 | 212.8 | 174.2 | 146.0 | 124.6 | 108.0 | 94.81 |       |
| 30                     | 9.79                                  | 22.32  | 41.65 | 77.72 | 111.9 | 145.0 | 177.3  | 208.9 | 240.0 | 270.6 | 300.9 | 330.8 | 338.9 | 297.4 | 236.0 | 193.2 | 161.9 | 138.2 | 119.8 | 105.1 |
| 32                     | 10.50                                 | 23.93  | 44.65 | 83.32 | 120.0 | 155.5 | 190.1  | 224.0 | 257.3 | 290.2 | 322.6 | 354.7 | 373.3 | 327.6 | 260.0 | 212.8 | 178.3 | 152.3 | 132.0 | 115.8 |
| 35                     | 11.55                                 | 26.37  | 49.20 | 91.80 | 132.2 | 171.3 | 209.4  | 246.7 | 283.4 | 319.7 | 355.4 | 390.7 | 425.7 | 374.8 | 297.4 | 243.4 | 204.0 | 174.2 | 151.0 | 132.5 |
| 40                     | 13.35                                 | 30.46  | 56.82 | 106.0 | 152.7 | 197.9 | 241.9  | 285.0 | 327.4 | 369.2 | 410.5 | 451.4 | 491.8 | 457.9 | 363.4 | 297.4 | 249.2 | 212.8 | 184.5 | 161.9 |
| 45                     | 15.16                                 | 34.58  | 64.53 | 120.4 | 173.4 | 224.7 | 274.7  | 323.7 | 371.8 | 419.3 | 466.2 | 512.6 | 558.5 | 546.4 | 433.6 | 354.9 | 297.4 | 253.9 | 220.1 | 193.2 |
| Lube                   | Type A                                | Type B |       |       |       |       | Type C |       |       |       |       |       |       |       |       |       |       |       |       |       |

Kilowatt Capacity Table

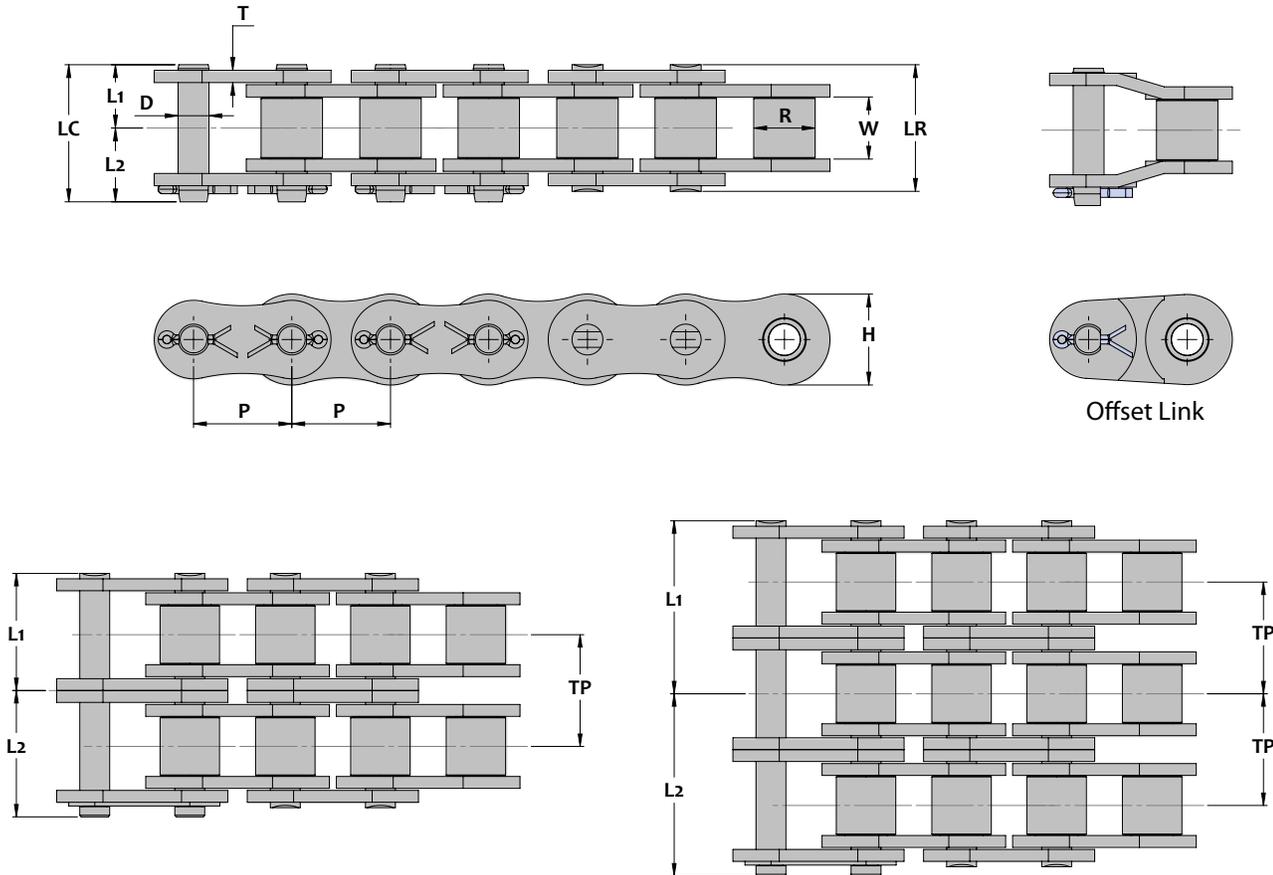
| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |        |       |       |       |       |        |       |       |       |        |       |       |       |       |       |       |       |       |       |
|------------------------|---------------------------------------|--------|-------|-------|-------|-------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 10                                    | 25     | 50    | 100   | 150   | 200   | 250    | 300   | 350   | 400   | 450    | 500   | 550   | 600   | 700   | 800   | 900   | 1000  | 1100  | 1200  |
| 9                      | 1.99                                  | 4.54   | 8.46  | 15.80 | 22.75 | 29.48 | 36.03  | 42.46 | 48.78 | 55.00 | 56.13  | 47.92 | 41.54 | 36.45 | 28.93 | 23.68 | 19.84 | 16.94 | 14.69 | 12.89 |
| 10                     | 2.23                                  | 5.08   | 9.48  | 17.70 | 25.49 | 33.03 | 40.37  | 47.57 | 54.65 | 61.63 | 65.74  | 56.13 | 48.65 | 42.70 | 33.88 | 27.73 | 23.24 | 19.84 | 17.20 | 15.10 |
| 11                     | 2.47                                  | 5.63   | 10.51 | 19.62 | 28.26 | 36.61 | 44.75  | 52.73 | 60.58 | 68.32 | 75.84  | 64.75 | 56.13 | 49.26 | 39.09 | 31.99 | 26.81 | 22.89 | 19.84 | 17.42 |
| 12                     | 2.71                                  | 6.19   | 11.55 | 21.55 | 31.04 | 40.22 | 49.16  | 57.93 | 66.55 | 75.05 | 83.44  | 73.78 | 63.95 | 56.13 | 44.54 | 36.45 | 30.55 | 26.08 | 22.61 | 19.84 |
| 13                     | 2.96                                  | 6.75   | 12.59 | 23.50 | 33.85 | 43.85 | 53.60  | 63.16 | 72.56 | 81.82 | 90.97  | 83.19 | 72.11 | 63.29 | 50.22 | 41.11 | 34.45 | 29.41 | 25.49 | 22.37 |
| 14                     | 3.20                                  | 7.31   | 13.64 | 25.46 | 36.67 | 47.50 | 58.07  | 68.42 | 78.60 | 88.64 | 98.55  | 92.97 | 80.59 | 70.73 | 56.13 | 45.94 | 38.50 | 32.87 | 28.49 | 25.01 |
| 15                     | 3.45                                  | 7.88   | 14.70 | 27.42 | 39.50 | 51.18 | 62.56  | 73.71 | 84.68 | 95.50 | 106.22 | 103.1 | 89.37 | 78.44 | 62.25 | 50.95 | 42.70 | 36.45 | 31.60 | 27.73 |
| 16                     | 3.70                                  | 8.44   | 15.76 | 29.40 | 42.35 | 54.87 | 67.07  | 79.04 | 90.80 | 102.4 | 113.8  | 113.6 | 98.46 | 86.41 | 68.57 | 56.13 | 47.04 | 40.16 | 34.81 | 30.55 |
| 17                     | 3.95                                  | 9.02   | 16.82 | 31.39 | 45.22 | 58.58 | 71.61  | 84.38 | 96.94 | 109.3 | 121.5  | 124.4 | 107.8 | 94.64 | 75.10 | 61.47 | 51.51 | 43.98 | 38.12 | 33.46 |
| 18                     | 4.20                                  | 9.59   | 17.89 | 33.39 | 48.10 | 62.31 | 76.17  | 89.76 | 103.1 | 116.3 | 129.3  | 135.5 | 117.5 | 103.1 | 81.82 | 66.97 | 56.13 | 47.92 | 41.54 | 36.45 |
| 19                     | 4.46                                  | 10.17  | 18.97 | 35.40 | 50.99 | 66.06 | 80.75  | 95.19 | 109.3 | 123.3 | 137.1  | 147.0 | 127.4 | 111.8 | 88.74 | 72.63 | 60.87 | 51.97 | 45.05 | 39.53 |
| 20                     | 4.71                                  | 10.75  | 20.05 | 37.42 | 53.90 | 69.82 | 85.35  | 100.6 | 115.5 | 130.3 | 144.9  | 158.8 | 137.6 | 120.8 | 95.83 | 78.44 | 65.74 | 56.13 | 48.65 | 42.70 |
| 21                     | 4.97                                  | 11.33  | 21.14 | 39.44 | 56.81 | 73.60 | 89.97  | 106.0 | 121.8 | 137.3 | 152.7  | 167.9 | 148.1 | 129.9 | 103.1 | 84.39 | 70.73 | 60.39 | 52.34 | 45.94 |
| 22                     | 5.22                                  | 11.91  | 22.23 | 41.47 | 59.74 | 77.39 | 94.61  | 111.5 | 128.1 | 144.4 | 160.6  | 176.5 | 158.8 | 139.3 | 110.6 | 90.49 | 75.84 | 64.75 | 56.13 | 49.26 |
| 23                     | 5.48                                  | 12.50  | 23.32 | 43.51 | 62.68 | 81.20 | 99.26  | 117.0 | 134.4 | 151.5 | 168.5  | 185.2 | 169.7 | 148.9 | 118.2 | 96.73 | 81.07 | 69.22 | 60.00 | 52.65 |
| 24                     | 5.74                                  | 13.08  | 24.42 | 45.56 | 65.63 | 85.02 | 103.9  | 122.5 | 140.7 | 158.7 | 176.4  | 193.9 | 180.9 | 158.8 | 126.0 | 103.1 | 86.41 | 73.78 | 63.95 | 56.13 |
| 25                     | 5.99                                  | 13.67  | 25.52 | 47.61 | 68.58 | 88.85 | 108.6  | 128.0 | 147.0 | 165.8 | 184.3  | 202.7 | 192.3 | 168.8 | 133.9 | 109.6 | 91.87 | 78.44 | 67.99 | 59.67 |
| 26                     | 6.25                                  | 14.27  | 26.62 | 49.67 | 71.55 | 92.70 | 113.3  | 133.5 | 153.4 | 173.0 | 192.3  | 211.5 | 204.0 | 179.0 | 142.1 | 116.3 | 97.43 | 83.19 | 72.11 | 63.29 |
| 28                     | 6.77                                  | 15.45  | 28.84 | 53.81 | 77.51 | 100.4 | 122.8  | 144.6 | 166.2 | 187.4 | 208.3  | 229.1 | 227.9 | 200.1 | 158.8 | 129.9 | 108.9 | 92.97 | 80.59 | 70.73 |
| 30                     | 7.30                                  | 16.65  | 31.07 | 57.98 | 83.51 | 108.2 | 132.3  | 155.8 | 179.0 | 201.9 | 224.5  | 246.8 | 252.8 | 221.9 | 176.1 | 144.1 | 120.8 | 103.1 | 89.37 | 78.44 |
| 32                     | 7.83                                  | 17.85  | 33.31 | 62.16 | 89.54 | 116.0 | 141.8  | 167.1 | 192.0 | 216.5 | 240.7  | 264.6 | 278.5 | 244.4 | 194.0 | 158.8 | 133.0 | 113.6 | 98.46 | 86.41 |
| 35                     | 8.62                                  | 19.67  | 36.70 | 68.48 | 98.64 | 127.8 | 156.2  | 184.1 | 211.5 | 238.5 | 265.1  | 291.5 | 317.6 | 279.6 | 221.9 | 181.6 | 152.2 | 129.9 | 112.6 | 98.84 |
| 40                     | 9.96                                  | 22.72  | 42.39 | 79.10 | 113.9 | 147.6 | 180.4  | 212.6 | 244.3 | 275.5 | 306.3  | 336.7 | 366.9 | 341.6 | 271.1 | 221.9 | 185.9 | 158.8 | 137.6 | 120.8 |
| 45                     | 11.31                                 | 25.80  | 48.14 | 89.83 | 129.4 | 167.6 | 204.9  | 241.5 | 277.4 | 312.8 | 347.8  | 382.4 | 416.6 | 407.6 | 323.4 | 264.7 | 221.9 | 189.4 | 164.2 | 144.1 |
| Lube                   | Type A                                | Type B |       |       |       |       | Type C |       |       |       |        |       |       |       |       |       |       |       |       |       |

Lube Type A: Manual or Drip Lubrication  
 Lube Type B: Bath or Slinger Disc Lubrication  
 Lube Type C: Oil Stream or Pressure Spray Lubrication

Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

|                     |     |     |     |     |     |
|---------------------|-----|-----|-----|-----|-----|
| Number of Strands   | 2   | 3   | 4   | 5   | 6   |
| Multi-Strand Factor | 1.7 | 2.5 | 3.3 | 3.9 | 4.6 |

# 160 ASME/ANSI Roller Chain



## Chain Dimensions

| Common Dimensions             |            |                   |                |                   |                |                        |                            |                            |                           |                      |
|-------------------------------|------------|-------------------|----------------|-------------------|----------------|------------------------|----------------------------|----------------------------|---------------------------|----------------------|
| MAXCO Chain Number            | Units      | Chain Pitch P     | Inside Width W | Roller Diameter R | Pin Diameter D | Link Plate Thickness T | Roller Link Plate Height H | Number of Links in 10ft/5m | Available Construction    |                      |
| 160                           | inch<br>mm | 2.000<br>50.80    | 1.250<br>31.75 | 1.125<br>28.58    | 0.562<br>14.28 | 0.250<br>6.4           | 1.839<br>46.7              | 60<br>98                   | Yes                       | Yes                  |
| Pin Lengths and Chain Ratings |            |                   |                |                   |                |                        |                            |                            |                           |                      |
| MAXCO Chain Number            | Units      | Number of Strands | Pin Length     |                   |                |                        | Transverse Pitch TP        | Rated Working Load         | Average Ultimate Strength | Average Chain Weight |
|                               |            |                   | L1             | L2                | LR             | LC                     |                            |                            |                           |                      |
| 160                           | inch<br>mm | 1                 | 1.27<br>32.2   | 1.44<br>36.5      | 2.53<br>64.3   | 2.70<br>68.7           | -<br>-                     | 15,500<br>7,045            | 63,000<br>28,635          | 6.56<br>9.79         |
| 160-2                         | inch<br>mm | 2                 | 2.42<br>61.4   | 2.59<br>65.8      | 4.83<br>122.8  | 5.01<br>127.2          | 2.303<br>58.50             | 20,250<br>9,205            | 126,000<br>57,275         | 13.0<br>19.5         |
| 160-3                         | inch<br>mm | 3                 | 3.57<br>90.7   | 3.74<br>95.0      | 7.14<br>181.3  | 7.31<br>185.7          | 2.303<br>58.50             | 29,900<br>13,590           | 189,000<br>85,910         | 19.6<br>29.2         |
| 160-4                         | inch<br>mm | 4                 | 4.73<br>120.2  | 4.90<br>124.5     | 9.46<br>240.3  | 9.63<br>244.7          | 2.303<br>58.50             | 39,300<br>17,865           | 252,000<br>114,545        | 26.0<br>38.8         |
| 160-5                         | inch<br>mm | 5                 | 5.88<br>149.4  | 6.06<br>153.9     | 11.76<br>298.8 | 11.94<br>303.3         | 2.303<br>58.50             | 46,500<br>21,135           | 315,000<br>143,180        | 32.5<br>48.4         |
| 160-6                         | inch<br>mm | 6                 | 7.04<br>178.7  | 7.20<br>183.0     | 14.07<br>357.4 | 14.24<br>361.7         | 2.303<br>58.50             | 54,800<br>24,910           | 378,000<br>171,820        | 38.9<br>58.1         |



# 160 ASME/ANSI Roller Chain

Horsepower Capacity Table

| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |        |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------------------------|---------------------------------------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 10                                    | 25     | 50    | 100    | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   | 700   | 750   | 800   | 850   | 900   |
| 9                      | 3.87                                  | 8.82   | 16.46 | 30.72  | 44.25 | 57.32 | 70.07 | 82.57 | 94.85 | 99.89 | 83.71 | 71.47 | 61.96 | 54.37 | 48.23 | 43.15 | 38.91 | 35.32 | 32.25 | 29.60 |
| 10                     | 4.33                                  | 9.88   | 18.45 | 34.42  | 49.58 | 64.24 | 78.51 | 92.52 | 106.3 | 117.0 | 98.06 | 83.71 | 72.56 | 63.69 | 56.47 | 50.54 | 45.58 | 41.37 | 37.77 | 34.66 |
| 11                     | 4.80                                  | 10.95  | 20.44 | 38.15  | 54.96 | 71.19 | 87.04 | 102.5 | 117.8 | 132.9 | 113.1 | 96.58 | 83.71 | 73.47 | 65.16 | 58.31 | 52.57 | 47.72 | 43.58 | 40.00 |
| 12                     | 5.28                                  | 12.04  | 22.47 | 41.92  | 60.38 | 78.22 | 95.60 | 112.7 | 129.4 | 146.0 | 128.9 | 110.1 | 95.39 | 83.71 | 74.25 | 66.43 | 59.91 | 54.37 | 49.65 | 45.58 |
| 13                     | 5.75                                  | 13.12  | 24.49 | 45.70  | 65.82 | 85.27 | 104.2 | 122.8 | 141.1 | 159.1 | 145.3 | 124.1 | 107.6 | 94.40 | 83.71 | 74.91 | 67.55 | 61.31 | 55.98 | 51.38 |
| 14                     | 6.23                                  | 14.22  | 26.53 | 49.50  | 71.30 | 92.37 | 112.9 | 133.1 | 152.9 | 172.4 | 162.5 | 138.7 | 120.2 | 105.5 | 93.57 | 83.71 | 75.48 | 68.53 | 62.56 | 57.43 |
| 15                     | 6.72                                  | 15.32  | 28.58 | 53.34  | 76.82 | 99.53 | 121.7 | 143.4 | 164.7 | 185.7 | 180.2 | 153.8 | 133.3 | 117.0 | 103.8 | 92.84 | 83.71 | 75.99 | 69.38 | 63.69 |
| 16                     | 7.20                                  | 16.42  | 30.64 | 57.18  | 82.37 | 106.7 | 130.4 | 153.7 | 176.5 | 199.1 | 198.4 | 169.4 | 146.9 | 128.9 | 114.3 | 102.3 | 92.23 | 83.71 | 76.43 | 70.16 |
| 17                     | 7.68                                  | 17.53  | 32.72 | 61.06  | 87.94 | 113.9 | 139.3 | 164.1 | 188.5 | 212.6 | 217.3 | 185.5 | 160.9 | 141.2 | 125.2 | 112.0 | 101.0 | 91.69 | 83.71 | 76.84 |
| 18                     | 8.18                                  | 18.65  | 34.80 | 64.95  | 93.54 | 121.2 | 148.1 | 174.5 | 200.5 | 226.1 | 236.7 | 202.1 | 175.2 | 153.8 | 136.5 | 122.1 | 110.1 | 99.89 | 91.21 | 83.71 |
| 19                     | 8.67                                  | 19.77  | 36.89 | 68.85  | 99.17 | 128.5 | 157.1 | 185.0 | 212.6 | 239.7 | 256.8 | 219.3 | 190.1 | 166.8 | 147.9 | 132.4 | 119.3 | 108.3 | 98.91 | 90.79 |
| 20                     | 9.16                                  | 20.90  | 38.99 | 72.76  | 104.8 | 135.8 | 166.0 | 195.6 | 224.7 | 253.4 | 277.3 | 236.7 | 205.2 | 180.2 | 159.8 | 142.9 | 128.9 | 117.0 | 106.8 | 98.06 |
| 21                     | 9.65                                  | 22.02  | 41.10 | 76.70  | 110.5 | 143.1 | 174.9 | 206.2 | 236.9 | 267.2 | 296.9 | 254.8 | 220.8 | 193.8 | 171.8 | 153.8 | 138.7 | 125.9 | 114.9 | 105.5 |
| 22                     | 10.15                                 | 23.16  | 43.22 | 80.66  | 116.2 | 150.5 | 184.0 | 216.8 | 249.1 | 280.8 | 312.3 | 273.2 | 236.7 | 207.8 | 184.3 | 164.9 | 148.7 | 135.0 | 123.2 | 113.1 |
| 23                     | 10.66                                 | 24.30  | 45.35 | 84.62  | 121.9 | 157.9 | 193.0 | 227.5 | 261.3 | 294.6 | 327.6 | 292.0 | 253.1 | 222.1 | 197.1 | 176.3 | 159.0 | 144.2 | 131.7 | 120.9 |
| 24                     | 11.15                                 | 25.44  | 47.48 | 88.61  | 127.6 | 165.3 | 202.1 | 238.2 | 273.6 | 308.6 | 343.0 | 311.3 | 269.8 | 236.7 | 210.1 | 187.9 | 169.4 | 153.8 | 140.5 | 128.9 |
| 25                     | 11.66                                 | 26.60  | 49.62 | 92.60  | 133.4 | 172.8 | 211.3 | 248.9 | 285.9 | 322.4 | 358.4 | 331.0 | 286.9 | 251.7 | 223.3 | 199.7 | 180.2 | 163.5 | 149.3 | 137.0 |
| 26                     | 12.16                                 | 27.75  | 51.77 | 96.61  | 139.1 | 180.3 | 220.4 | 259.7 | 298.3 | 336.5 | 374.0 | 350.9 | 304.2 | 267.0 | 236.7 | 211.9 | 191.0 | 173.5 | 158.3 | 145.3 |
| 28                     | 13.18                                 | 30.05  | 56.09 | 104.7  | 150.7 | 195.3 | 238.7 | 281.2 | 323.2 | 364.5 | 405.2 | 392.2 | 339.9 | 298.4 | 264.6 | 236.7 | 213.5 | 193.8 | 176.9 | 162.5 |
| 30                     | 14.20                                 | 32.37  | 60.42 | 112.7  | 162.4 | 210.5 | 257.2 | 303.1 | 348.1 | 392.6 | 436.5 | 435.0 | 377.1 | 331.0 | 293.4 | 262.6 | 236.7 | 214.9 | 196.2 | 180.2 |
| 32                     | 15.21                                 | 34.72  | 64.79 | 120.9  | 174.1 | 225.6 | 275.7 | 324.9 | 373.3 | 420.9 | 468.1 | 479.2 | 415.4 | 364.6 | 323.3 | 289.3 | 260.9 | 236.7 | 216.2 | 198.4 |
| 35                     | 16.77                                 | 38.24  | 71.37 | 133.2  | 191.8 | 248.5 | 303.8 | 357.9 | 411.3 | 463.7 | 515.5 | 548.1 | 475.2 | 417.0 | 369.8 | 331.0 | 298.4 | 270.9 | 247.3 | 226.9 |
| 40                     | 19.37                                 | 44.18  | 82.44 | 153.8  | 221.6 | 287.0 | 350.9 | 413.5 | 475.1 | 535.7 | 595.6 | 654.8 | 580.6 | 509.5 | 451.9 | 404.3 | 364.6 | 331.0 | 302.1 | 277.3 |
| 45                     | 22.00                                 | 50.17  | 93.62 | 174.7  | 251.6 | 326.0 | 398.5 | 469.6 | 539.4 | 608.3 | 676.4 | 743.7 | 692.8 | 607.9 | 539.1 | 482.4 | 435.0 | 394.9 | 360.6 | 331.0 |
| Lube                   | Type A                                | Type B |       | Type C |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

Kilowatt Capacity Table

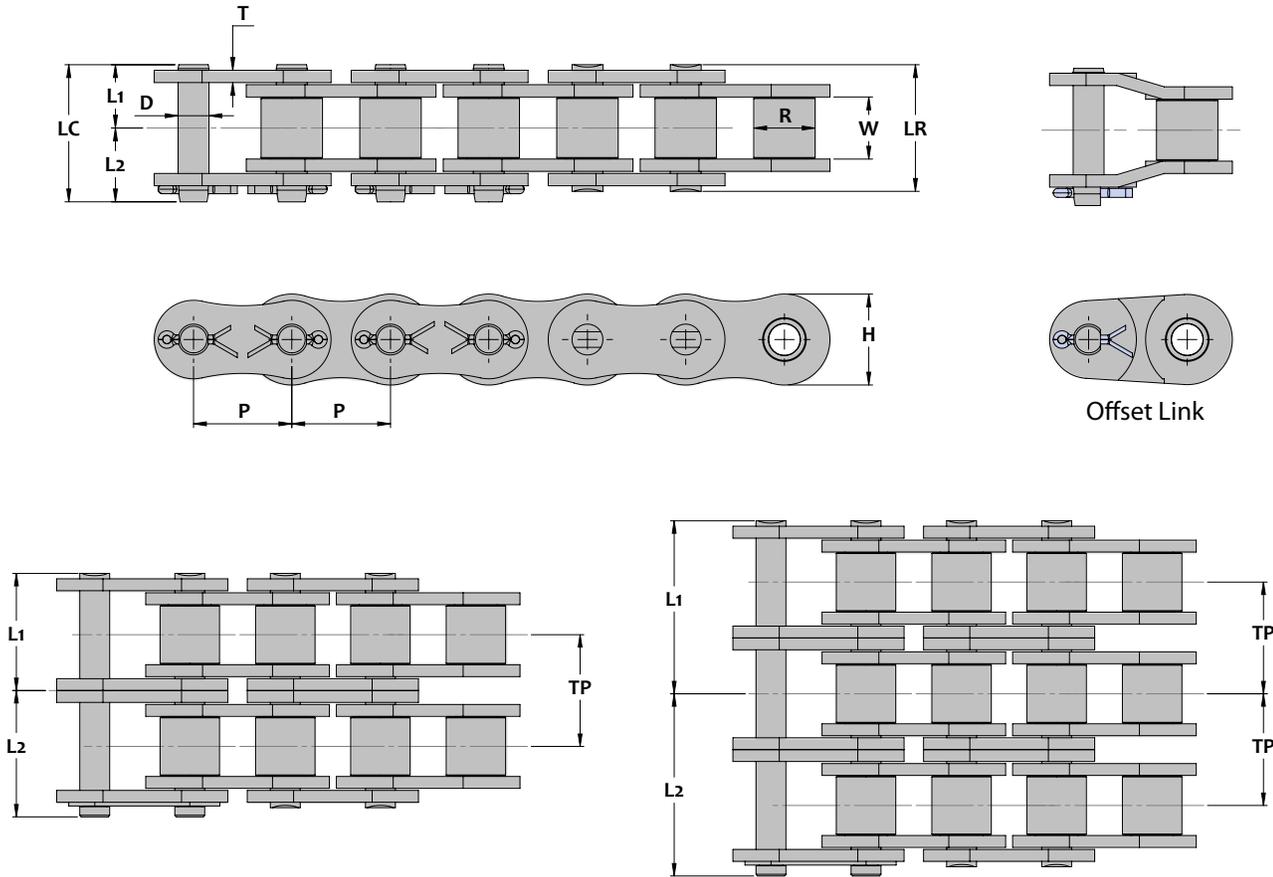
| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |        |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------------------------|---------------------------------------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 10                                    | 25     | 50    | 100    | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   | 700   | 750   | 800   | 850   | 900   |
| 9                      | 2.89                                  | 6.58   | 12.28 | 22.92  | 33.01 | 42.76 | 52.27 | 61.60 | 70.76 | 74.52 | 62.45 | 53.32 | 46.22 | 40.56 | 35.98 | 32.19 | 29.03 | 26.35 | 24.06 | 22.08 |
| 10                     | 3.23                                  | 7.37   | 13.76 | 25.68  | 36.99 | 47.92 | 58.57 | 69.02 | 79.29 | 87.28 | 73.15 | 62.45 | 54.13 | 47.51 | 42.13 | 37.70 | 34.00 | 30.86 | 28.18 | 25.86 |
| 11                     | 3.58                                  | 8.17   | 15.25 | 28.46  | 41.00 | 53.11 | 64.93 | 76.50 | 87.89 | 99.11 | 84.39 | 72.05 | 62.45 | 54.81 | 48.61 | 43.50 | 39.22 | 35.60 | 32.51 | 29.84 |
| 12                     | 3.94                                  | 8.98   | 16.76 | 31.27  | 45.04 | 58.35 | 71.32 | 84.04 | 96.55 | 108.9 | 96.15 | 82.10 | 71.16 | 62.45 | 55.39 | 49.56 | 44.69 | 40.56 | 37.04 | 34.00 |
| 13                     | 4.29                                  | 9.79   | 18.27 | 34.09  | 49.10 | 63.61 | 77.76 | 91.63 | 105.3 | 118.7 | 108.4 | 92.57 | 80.24 | 70.42 | 62.45 | 55.88 | 50.39 | 45.74 | 41.76 | 38.33 |
| 14                     | 4.65                                  | 10.61  | 19.79 | 36.93  | 53.19 | 68.91 | 84.24 | 99.26 | 114.0 | 128.6 | 121.2 | 103.5 | 89.67 | 78.70 | 69.80 | 62.45 | 56.31 | 51.12 | 46.67 | 42.84 |
| 15                     | 5.01                                  | 11.43  | 21.32 | 39.79  | 57.31 | 74.25 | 90.76 | 106.9 | 122.9 | 138.5 | 134.4 | 114.7 | 99.45 | 87.28 | 77.41 | 69.26 | 62.45 | 56.69 | 51.76 | 47.51 |
| 16                     | 5.37                                  | 12.25  | 22.86 | 42.66  | 61.45 | 79.61 | 97.31 | 114.7 | 131.7 | 148.5 | 148.0 | 126.4 | 109.6 | 96.15 | 85.27 | 76.30 | 68.80 | 62.45 | 57.02 | 52.34 |
| 17                     | 5.73                                  | 13.08  | 24.41 | 45.55  | 65.60 | 84.99 | 103.9 | 122.4 | 140.6 | 158.6 | 162.1 | 138.4 | 120.0 | 105.3 | 93.39 | 83.57 | 75.35 | 68.40 | 62.45 | 57.32 |
| 18                     | 6.10                                  | 13.91  | 25.96 | 48.45  | 69.78 | 90.40 | 110.5 | 130.2 | 149.6 | 168.7 | 176.6 | 150.8 | 130.7 | 114.7 | 101.8 | 91.05 | 82.10 | 74.52 | 68.04 | 62.45 |
| 19                     | 6.47                                  | 14.75  | 27.52 | 51.36  | 73.98 | 95.84 | 117.2 | 138.0 | 158.6 | 178.8 | 191.6 | 163.6 | 141.8 | 124.4 | 110.3 | 98.74 | 89.03 | 80.82 | 73.79 | 67.73 |
| 20                     | 6.83                                  | 15.59  | 29.09 | 54.28  | 78.19 | 101.3 | 123.8 | 145.9 | 167.6 | 189.0 | 206.9 | 176.6 | 153.1 | 134.4 | 119.2 | 106.6 | 96.15 | 87.28 | 79.69 | 73.15 |
| 21                     | 7.20                                  | 16.43  | 30.66 | 57.22  | 82.42 | 106.8 | 130.5 | 153.8 | 176.7 | 199.3 | 221.5 | 190.1 | 164.7 | 144.6 | 128.2 | 114.7 | 103.5 | 93.91 | 85.75 | 78.70 |
| 22                     | 7.57                                  | 17.28  | 32.24 | 60.17  | 86.67 | 112.3 | 137.3 | 161.7 | 185.8 | 209.5 | 233.0 | 203.8 | 176.6 | 155.0 | 137.5 | 123.0 | 110.9 | 100.7 | 91.94 | 84.39 |
| 23                     | 7.95                                  | 18.13  | 33.83 | 63.13  | 90.93 | 117.8 | 144.0 | 169.7 | 194.9 | 219.8 | 244.4 | 217.8 | 188.8 | 165.7 | 147.0 | 131.5 | 118.6 | 107.6 | 98.28 | 90.21 |
| 24                     | 8.32                                  | 18.98  | 35.42 | 66.10  | 95.21 | 123.3 | 150.8 | 177.7 | 204.1 | 230.2 | 255.9 | 232.2 | 201.3 | 176.6 | 156.7 | 140.2 | 126.4 | 114.7 | 104.8 | 96.15 |
| 25                     | 8.70                                  | 19.84  | 37.02 | 69.08  | 99.50 | 128.9 | 157.6 | 185.7 | 213.3 | 240.5 | 267.4 | 246.9 | 214.0 | 187.8 | 166.6 | 149.0 | 134.4 | 122.0 | 111.4 | 102.2 |
| 26                     | 9.07                                  | 20.70  | 38.62 | 72.07  | 103.8 | 134.5 | 164.4 | 193.7 | 222.5 | 251.0 | 279.0 | 261.8 | 226.9 | 199.2 | 176.6 | 158.1 | 142.5 | 129.4 | 118.1 | 108.4 |
| 28                     | 9.83                                  | 22.42  | 41.84 | 78.07  | 112.5 | 145.7 | 178.1 | 209.8 | 241.1 | 271.9 | 302.3 | 292.6 | 253.6 | 222.6 | 197.4 | 176.6 | 159.3 | 144.6 | 132.0 | 121.2 |
| 30                     | 10.59                                 | 24.15  | 45.07 | 84.11  | 121.2 | 157.0 | 191.9 | 226.1 | 259.7 | 292.9 | 325.6 | 324.5 | 281.3 | 246.9 | 218.9 | 195.9 | 176.6 | 160.3 | 146.4 | 134.4 |
| 32                     | 11.35                                 | 25.90  | 48.33 | 90.18  | 129.9 | 168.3 | 205.7 | 242.4 | 278.5 | 314.0 | 349.2 | 357.5 | 309.9 | 272.0 | 241.2 | 215.8 | 194.6 | 176.6 | 161.3 | 148.0 |
| 35                     | 12.51                                 | 28.53  | 53.24 | 99.35  | 143.1 | 185.4 | 226.6 | 267.0 | 306.8 | 345.9 | 384.6 | 408.9 | 354.5 | 311.1 | 275.9 | 246.9 | 222.6 | 202.1 | 184.5 | 169.3 |
| 40                     | 14.45                                 | 32.96  | 61.50 | 114.8  | 165.3 | 214.1 | 261.8 | 308.5 | 354.4 | 399.6 | 444.3 | 488.5 | 433.1 | 380.1 | 337.1 | 301.6 | 272.0 | 246.9 | 225.4 | 206.9 |
| 45                     | 16.41                                 | 37.43  | 69.84 | 130.3  | 187.7 | 243.2 | 297.3 | 350.3 | 402.4 | 453.8 | 504.6 | 554.8 | 516.8 | 453.5 | 402.2 | 359.9 | 324.5 | 294.6 | 269.0 | 246.9 |
| Lube                   | Type A                                | Type B |       | Type C |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

Lube Type A: Manual or Drip Lubrication  
 Lube Type B: Bath or Slinger Disc Lubrication  
 Lube Type C: Oil Stream or Pressure Spray Lubrication

Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

|                     |     |     |     |     |     |
|---------------------|-----|-----|-----|-----|-----|
| Number of Strands   | 2   | 3   | 4   | 5   | 6   |
| Multi-Strand Factor | 1.7 | 2.5 | 3.3 | 3.9 | 4.6 |

# 180 ASME/ANSI Roller Chain



## Chain Dimensions

| Common Dimensions             |            |                   |                |                   |                |                        |                            |                            |                           |                      |
|-------------------------------|------------|-------------------|----------------|-------------------|----------------|------------------------|----------------------------|----------------------------|---------------------------|----------------------|
| MAXCO Chain Number            | Units      | Chain Pitch P     | Inside Width W | Roller Diameter R | Pin Diameter D | Link Plate Thickness T | Roller Link Plate Height H | Number of Links in 10ft/5m | Available Construction    |                      |
| 180                           | inch<br>mm | 2.250<br>57.15    | 1.406<br>35.70 | 1.406<br>35.70    | 0.687<br>17.45 | 0.283<br>7.2           | 2.067<br>52.5              | 54<br>90                   | Cottered<br>Yes           | Riveted<br>Yes       |
| Pin Lengths and Chain Ratings |            |                   |                |                   |                |                        |                            |                            |                           |                      |
| MAXCO Chain Number            | Units      | Number of Strands | Pin Length     |                   |                |                        | Transverse Pitch TP        | Rated Working Load         | Average Ultimate Strength | Average Chain Weight |
|                               |            |                   | L1             | L2                | LR             | LC                     |                            |                            |                           |                      |
| 180                           | inch<br>mm | 1                 | 1.43<br>36.3   | 1.66<br>42.1      | 2.85<br>72.5   | 3.09<br>78.4           | -<br>-                     | 17,750<br>8,070            | 81,500<br>37,045          | 8.98<br>13.4         |
| 180-2                         | inch<br>mm | 2                 | 2.72<br>69.1   | 2.95<br>74.9      | 5.44<br>138.2  | 5.67<br>144.0          | 2.591<br>65.8              | 23,300<br>10,590           | 163,000<br>74,090         | 17.9<br>26.6         |
| 180-3                         | inch<br>mm | 3                 | 4.03<br>102.3  | 4.25<br>107.9     | 8.05<br>204.5  | 8.28<br>210.2          | 2.591<br>65.8              | 34,400<br>15,590           | 244,500<br>111,135        | 26.7<br>39.9         |
| 180-4                         | inch<br>mm | 4                 | 5.32<br>135.1  | 5.54<br>140.8     | 10.64<br>270.2 | 10.86<br>275.9         | 2.591<br>65.8              | 45,200<br>20,545           | 326,000<br>148,180        | 35.6<br>53.1         |
| 180-5                         | inch<br>mm | 5                 | 6.83<br>173.6  | 6.84<br>173.7     | 13.23<br>336.0 | 13.45<br>341.6         | 2.591<br>65.8              | 53,310<br>24,230           | 407,500<br>185,225        | 44.5<br>66.3         |
| 180-6                         | inch<br>mm | 6                 | 7.91<br>200.9  | 8.13<br>206.4     | 15.82<br>401.8 | 16.04<br>407.3         | 2.591<br>65.8              | 62,900<br>28,590           | 489,000<br>222,275        | 53.3<br>79.5         |



# 180 ASME/ANSI Roller Chain

Horsepower Capacity Table

| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |        |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------------------------|---------------------------------------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 10                                    | 25     | 50    | 100    | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   | 700   | 750   | 800   | 850   | 900   |
| 9                      | 5.21                                  | 11.89  | 22.18 | 41.39  | 59.62 | 77.25 | 94.44 | 111.3 | 127.8 | 109.8 | 91.98 | 78.54 | 68.08 | 59.75 | 52.99 | 47.41 | 42.75 | 38.81 | 35.43 | 32.52 |
| 10                     | 5.84                                  | 13.32  | 24.85 | 46.39  | 66.82 | 86.57 | 105.8 | 124.7 | 143.2 | 128.6 | 107.7 | 91.98 | 79.73 | 69.97 | 62.06 | 55.54 | 50.07 | 45.46 | 41.50 | 38.10 |
| 11                     | 6.47                                  | 14.77  | 27.56 | 51.42  | 74.06 | 95.95 | 117.3 | 138.2 | 158.8 | 148.3 | 124.3 | 106.1 | 91.98 | 80.74 | 71.60 | 64.06 | 57.77 | 52.44 | 47.88 | 43.94 |
| 12                     | 7.10                                  | 16.22  | 30.27 | 56.49  | 81.35 | 105.4 | 128.8 | 151.8 | 174.4 | 169.0 | 141.7 | 120.9 | 104.8 | 91.98 | 81.58 | 73.00 | 65.82 | 59.75 | 54.56 | 50.07 |
| 13                     | 7.75                                  | 17.68  | 33.00 | 61.58  | 88.70 | 114.9 | 140.5 | 165.5 | 190.2 | 190.6 | 159.7 | 136.3 | 118.2 | 103.7 | 91.98 | 82.31 | 74.22 | 67.37 | 61.51 | 56.46 |
| 14                     | 8.40                                  | 19.16  | 35.75 | 66.72  | 96.10 | 124.5 | 152.2 | 179.4 | 206.0 | 213.0 | 178.4 | 152.4 | 132.1 | 115.9 | 102.8 | 91.98 | 82.95 | 75.29 | 68.75 | 63.10 |
| 15                     | 9.05                                  | 20.64  | 38.51 | 71.88  | 103.5 | 134.1 | 163.9 | 193.2 | 222.0 | 236.2 | 198.0 | 169.0 | 146.5 | 128.6 | 114.0 | 102.0 | 91.98 | 83.50 | 76.25 | 69.97 |
| 16                     | 9.71                                  | 22.13  | 41.30 | 77.06  | 111.0 | 143.8 | 175.7 | 207.1 | 237.9 | 260.2 | 218.1 | 186.2 | 161.4 | 141.7 | 125.6 | 112.4 | 101.3 | 91.98 | 83.99 | 77.09 |
| 17                     | 10.36                                 | 23.63  | 44.09 | 82.28  | 118.5 | 153.5 | 187.7 | 221.2 | 254.0 | 285.0 | 238.9 | 203.9 | 176.7 | 155.1 | 137.5 | 123.1 | 111.0 | 100.8 | 91.98 | 84.44 |
| 18                     | 11.02                                 | 25.13  | 46.90 | 87.52  | 126.1 | 163.3 | 199.6 | 235.3 | 270.2 | 304.8 | 260.2 | 222.1 | 192.5 | 169.0 | 149.9 | 134.0 | 120.9 | 109.8 | 100.2 | 91.98 |
| 19                     | 11.68                                 | 26.65  | 49.72 | 92.79  | 133.6 | 173.2 | 211.7 | 249.3 | 286.5 | 323.1 | 282.2 | 240.9 | 208.8 | 183.2 | 162.6 | 145.4 | 131.1 | 119.0 | 108.7 | 99.76 |
| 20                     | 12.35                                 | 28.16  | 52.55 | 98.07  | 141.3 | 183.0 | 223.7 | 263.5 | 302.8 | 341.4 | 304.7 | 260.2 | 225.5 | 198.0 | 175.6 | 157.1 | 141.7 | 128.6 | 117.4 | 107.7 |
| 21                     | 13.02                                 | 29.69  | 55.40 | 103.4  | 148.9 | 192.9 | 235.8 | 277.9 | 319.2 | 359.9 | 327.9 | 279.9 | 242.6 | 213.0 | 188.9 | 169.0 | 152.4 | 138.3 | 126.3 | 115.9 |
| 22                     | 13.69                                 | 31.22  | 58.24 | 108.7  | 156.6 | 202.8 | 248.0 | 292.2 | 335.7 | 378.6 | 351.6 | 300.1 | 260.2 | 228.3 | 202.5 | 181.2 | 163.4 | 148.3 | 135.4 | 124.3 |
| 23                     | 14.36                                 | 32.75  | 61.11 | 114.0  | 164.2 | 212.9 | 260.2 | 306.6 | 352.1 | 397.2 | 375.9 | 320.9 | 278.2 | 244.1 | 216.5 | 193.7 | 174.7 | 158.6 | 144.8 | 132.9 |
| 24                     | 15.03                                 | 34.29  | 63.99 | 119.4  | 172.0 | 222.8 | 272.4 | 320.9 | 368.8 | 415.8 | 400.5 | 342.1 | 296.5 | 260.2 | 230.7 | 206.4 | 186.2 | 169.0 | 154.3 | 141.7 |
| 25                     | 15.71                                 | 35.83  | 66.88 | 124.8  | 179.8 | 232.8 | 284.7 | 335.4 | 385.4 | 434.6 | 425.9 | 363.7 | 315.1 | 276.7 | 245.3 | 219.6 | 198.0 | 179.6 | 164.1 | 150.5 |
| 26                     | 16.39                                 | 37.39  | 69.77 | 130.2  | 187.5 | 242.9 | 296.9 | 350.0 | 402.0 | 453.4 | 451.7 | 385.7 | 334.3 | 293.4 | 260.2 | 232.8 | 209.9 | 190.6 | 174.0 | 159.7 |
| 28                     | 17.76                                 | 40.51  | 75.58 | 141.0  | 203.2 | 263.1 | 321.7 | 379.1 | 435.5 | 491.2 | 504.8 | 431.0 | 373.6 | 327.9 | 290.8 | 260.2 | 234.6 | 213.0 | 194.5 | 178.4 |
| 30                     | 19.13                                 | 43.63  | 81.43 | 151.9  | 218.9 | 283.5 | 346.6 | 408.4 | 469.2 | 529.1 | 559.8 | 478.0 | 414.3 | 363.7 | 322.5 | 288.6 | 260.2 | 236.2 | 215.7 | 198.0 |
| 32                     | 20.51                                 | 46.78  | 87.31 | 162.9  | 234.7 | 304.0 | 371.6 | 437.9 | 503.1 | 567.3 | 616.8 | 526.5 | 456.4 | 400.5 | 355.2 | 317.8 | 286.6 | 260.2 | 237.5 | 218.1 |
| 35                     | 22.60                                 | 51.54  | 96.18 | 179.5  | 258.6 | 334.9 | 409.4 | 482.4 | 554.2 | 624.9 | 694.9 | 602.3 | 522.1 | 458.2 | 406.4 | 363.7 | 327.9 | 297.6 | 271.7 | 249.5 |
| 40                     | 26.10                                 | 59.53  | 111.1 | 207.4  | 298.7 | 386.9 | 472.9 | 557.2 | 640.2 | 722.0 | 802.7 | 735.9 | 637.9 | 559.8 | 496.5 | 444.2 | 400.5 | 363.7 | 332.0 | 304.7 |
| 45                     | 29.64                                 | 67.61  | 126.2 | 235.4  | 339.1 | 439.4 | 537.0 | 632.8 | 726.9 | 819.8 | 911.5 | 878.2 | 761.1 | 668.0 | 592.5 | 530.2 | 478.0 | 433.9 | 396.1 | 363.7 |
| Lube                   | Type A                                | Type B |       | Type C |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

Kilowatt Capacity Table

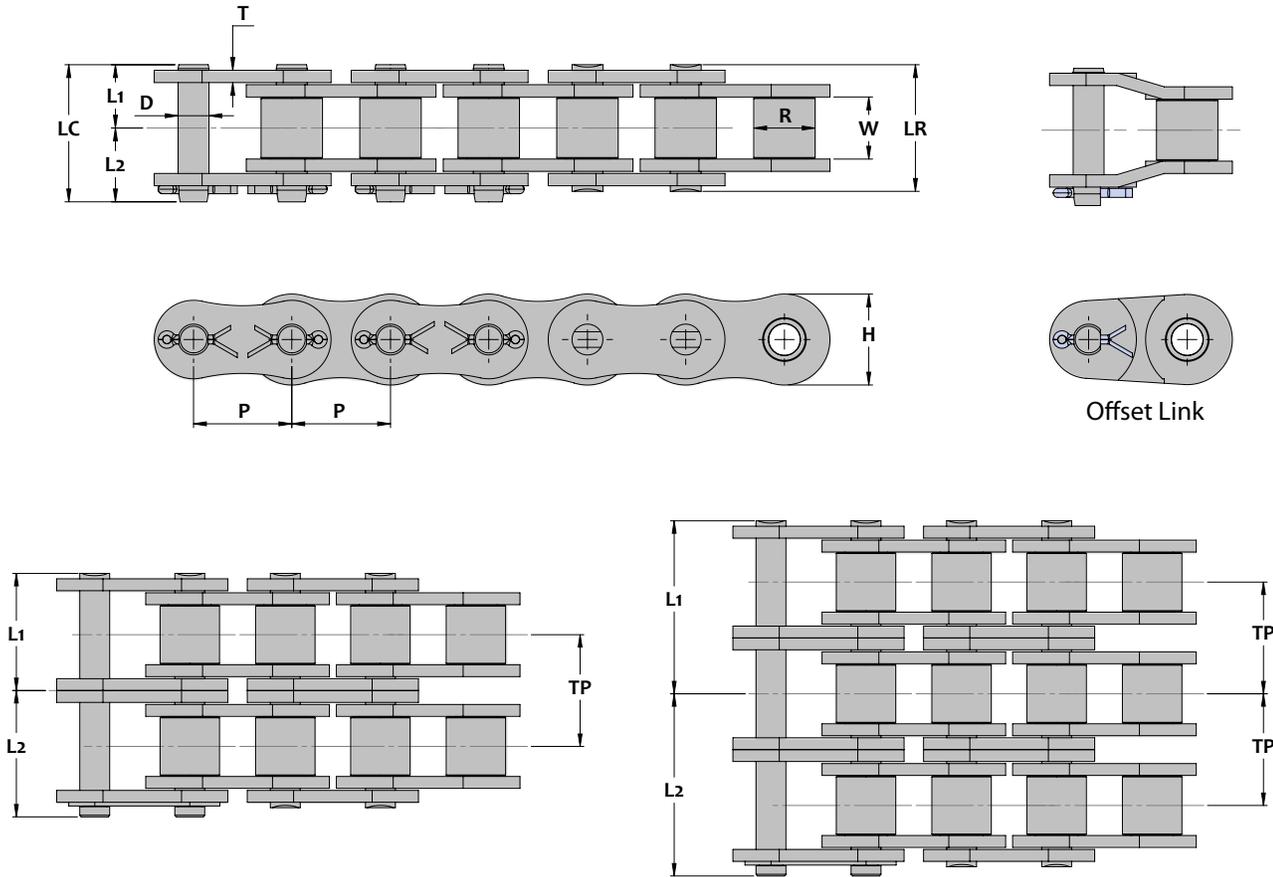
| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |        |       |        |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------------------------|---------------------------------------|--------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 10                                    | 25     | 50    | 100    | 150   | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   | 700   | 750   | 800   | 850   | 900   |
| 9                      | 3.89                                  | 8.87   | 16.55 | 30.88  | 44.48 | 57.63 | 70.45 | 83.01 | 95.37 | 81.89 | 68.62 | 58.59 | 50.79 | 44.57 | 39.53 | 35.37 | 31.89 | 28.95 | 26.43 | 24.26 |
| 10                     | 4.36                                  | 9.94   | 18.54 | 34.61  | 49.85 | 64.58 | 78.94 | 93.02 | 106.9 | 95.91 | 80.37 | 68.62 | 59.48 | 52.20 | 46.30 | 41.43 | 37.35 | 33.91 | 30.96 | 28.42 |
| 11                     | 4.83                                  | 11.02  | 20.56 | 38.36  | 55.25 | 71.58 | 87.50 | 103.1 | 118.4 | 110.6 | 92.73 | 79.17 | 68.62 | 60.23 | 53.41 | 47.79 | 43.10 | 39.12 | 35.72 | 32.78 |
| 12                     | 5.30                                  | 12.10  | 22.58 | 42.14  | 60.69 | 78.63 | 96.12 | 113.3 | 130.1 | 126.1 | 105.7 | 90.21 | 78.19 | 68.62 | 60.86 | 54.46 | 49.10 | 44.57 | 40.70 | 37.35 |
| 13                     | 5.78                                  | 13.19  | 24.62 | 45.94  | 66.17 | 85.73 | 104.8 | 123.5 | 141.9 | 142.2 | 119.1 | 101.7 | 88.17 | 77.38 | 68.62 | 61.40 | 55.37 | 50.26 | 45.89 | 42.12 |
| 14                     | 6.27                                  | 14.29  | 26.67 | 49.77  | 71.69 | 92.87 | 113.5 | 133.8 | 153.7 | 158.9 | 133.1 | 113.7 | 98.53 | 86.48 | 76.69 | 68.62 | 61.88 | 56.17 | 51.29 | 47.07 |
| 15                     | 6.75                                  | 15.40  | 28.73 | 53.62  | 77.23 | 100.1 | 122.3 | 144.1 | 165.6 | 176.2 | 147.7 | 126.1 | 109.3 | 95.91 | 85.06 | 76.11 | 68.62 | 62.29 | 56.88 | 52.20 |
| 16                     | 7.24                                  | 16.51  | 30.81 | 57.49  | 82.81 | 107.3 | 131.1 | 154.5 | 177.5 | 194.1 | 162.7 | 138.9 | 120.4 | 105.7 | 93.70 | 83.84 | 75.60 | 68.62 | 62.66 | 57.51 |
| 17                     | 7.73                                  | 17.63  | 32.89 | 61.38  | 88.41 | 114.5 | 140.0 | 165.0 | 189.5 | 212.6 | 178.2 | 152.1 | 131.8 | 115.7 | 102.6 | 91.82 | 82.80 | 75.16 | 68.62 | 62.99 |
| 18                     | 8.22                                  | 18.75  | 34.99 | 65.29  | 94.04 | 121.8 | 148.9 | 175.5 | 201.6 | 227.4 | 194.1 | 165.7 | 143.6 | 126.1 | 111.8 | 100.0 | 90.21 | 81.89 | 74.77 | 68.62 |
| 19                     | 8.71                                  | 19.88  | 37.09 | 69.22  | 99.70 | 129.2 | 157.9 | 186.0 | 213.7 | 241.0 | 210.5 | 179.7 | 155.8 | 136.7 | 121.3 | 108.5 | 97.83 | 88.80 | 81.08 | 74.42 |
| 20                     | 9.21                                  | 21.01  | 39.20 | 73.16  | 105.4 | 136.5 | 166.9 | 196.6 | 225.9 | 254.7 | 227.3 | 194.1 | 168.2 | 147.7 | 131.0 | 117.2 | 105.7 | 95.91 | 87.57 | 80.37 |
| 21                     | 9.71                                  | 22.15  | 41.33 | 77.12  | 111.1 | 143.9 | 175.9 | 207.3 | 238.1 | 268.5 | 244.6 | 208.8 | 181.0 | 158.9 | 140.9 | 126.1 | 113.7 | 103.2 | 94.22 | 86.48 |
| 22                     | 10.21                                 | 23.29  | 43.45 | 81.09  | 116.8 | 151.3 | 185.0 | 218.0 | 250.4 | 282.4 | 262.3 | 223.9 | 194.1 | 170.3 | 151.1 | 135.2 | 121.9 | 110.6 | 101.0 | 92.73 |
| 23                     | 10.71                                 | 24.43  | 45.59 | 85.08  | 122.5 | 158.8 | 194.1 | 228.7 | 262.7 | 296.3 | 280.4 | 239.4 | 207.5 | 182.1 | 161.5 | 144.5 | 130.3 | 118.3 | 108.0 | 99.12 |
| 24                     | 11.21                                 | 25.58  | 47.74 | 89.08  | 128.3 | 166.2 | 203.2 | 239.4 | 275.1 | 310.2 | 298.8 | 255.2 | 221.2 | 194.1 | 172.1 | 154.0 | 138.9 | 126.1 | 115.1 | 105.7 |
| 25                     | 11.72                                 | 26.73  | 49.89 | 93.09  | 134.1 | 173.7 | 212.4 | 250.2 | 287.5 | 324.2 | 317.7 | 271.3 | 235.1 | 206.4 | 183.0 | 163.8 | 147.7 | 134.0 | 122.4 | 112.3 |
| 26                     | 12.23                                 | 27.89  | 52.05 | 97.12  | 139.9 | 181.2 | 221.5 | 261.1 | 299.9 | 338.2 | 337.0 | 287.7 | 249.4 | 218.9 | 194.1 | 173.7 | 156.6 | 142.2 | 129.8 | 119.1 |
| 28                     | 13.25                                 | 30.22  | 56.38 | 105.2  | 151.6 | 196.3 | 240.0 | 282.8 | 324.9 | 366.4 | 376.6 | 321.5 | 278.7 | 244.6 | 216.9 | 194.1 | 175.0 | 158.9 | 145.1 | 133.1 |
| 30                     | 14.27                                 | 32.55  | 60.75 | 113.4  | 163.3 | 211.5 | 258.6 | 304.7 | 350.0 | 394.7 | 417.6 | 356.6 | 309.1 | 271.3 | 240.6 | 215.3 | 194.1 | 176.2 | 160.9 | 147.7 |
| 32                     | 15.30                                 | 34.90  | 65.13 | 121.5  | 175.1 | 226.8 | 277.2 | 326.7 | 375.3 | 423.2 | 460.1 | 392.8 | 340.5 | 298.8 | 265.0 | 237.1 | 213.8 | 194.1 | 177.2 | 162.7 |
| 35                     | 16.86                                 | 38.45  | 71.75 | 133.9  | 192.9 | 249.8 | 305.4 | 359.9 | 413.4 | 466.2 | 518.4 | 449.3 | 389.5 | 341.8 | 303.2 | 271.3 | 244.6 | 222.0 | 202.7 | 186.1 |
| 40                     | 19.47                                 | 44.41  | 82.88 | 154.7  | 222.8 | 288.6 | 352.8 | 415.7 | 477.6 | 538.6 | 598.8 | 549.0 | 475.9 | 417.6 | 370.4 | 331.4 | 298.8 | 271.3 | 247.7 | 227.3 |
| 45                     | 22.11                                 | 50.44  | 94.12 | 175.6  | 253.0 | 327.8 | 400.6 | 472.1 | 542.3 | 611.6 | 680.0 | 655.1 | 567.8 | 498.3 | 442.0 | 395.5 | 356.6 | 323.7 | 295.5 | 271.3 |
| Lube                   | Type A                                | Type B |       | Type C |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

Lube Type A: Manual or Drip Lubrication  
 Lube Type B: Bath or Slinger Disc Lubrication  
 Lube Type C: Oil Stream or Pressure Spray Lubrication

Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

|                     |     |     |     |     |     |
|---------------------|-----|-----|-----|-----|-----|
| Number of Strands   | 2   | 3   | 4   | 5   | 6   |
| Multi-Strand Factor | 1.7 | 2.5 | 3.3 | 3.9 | 4.6 |

# 200 ASME/ANSI Roller Chain



## Chain Dimensions

| Common Dimensions             |       |                   |                |                   |                |                        |                            |                            |                           |                      |
|-------------------------------|-------|-------------------|----------------|-------------------|----------------|------------------------|----------------------------|----------------------------|---------------------------|----------------------|
| MAXCO Chain Number            | Units | Chain Pitch P     | Inside Width W | Roller Diameter R | Pin Diameter D | Link Plate Thickness T | Roller Link Plate Height H | Number of Links in 10ft/5m | Available Construction    |                      |
| 200                           | inch  | 2.500             | 1.500          | 1.562             | 0.781          | 0.315                  | 2.354                      | 48                         | Yes                       | Yes                  |
|                               | mm    | 63.50             | 38.10          | 39.67             | 19.83          | 8.0                    | 59.8                       | 80                         |                           |                      |
| Pin Lengths and Chain Ratings |       |                   |                |                   |                |                        |                            |                            |                           |                      |
| MAXCO Chain Number            | Units | Number of Strands | Pin Length     |                   |                |                        | Transverse Pitch TP        | Rated Working Load         | Average Ultimate Strength | Average Chain Weight |
|                               |       |                   | L1             | L2                | LR             | LC                     |                            |                            |                           |                      |
| 200                           | inch  | 1                 | 1.55           | 1.88              | 3.09           | 3.43                   | -                          | 20,900                     | 105,000                   | 11.4                 |
|                               | mm    |                   | 39.3           | 47.7              | 78.5           | 87.0                   | -                          | 9,500                      | 47,725                    | 16.9                 |
| 200-2                         | inch  | 2                 | 2.96           | 3.29              | 5.91           | 6.25                   | 2.819                      | 27,430                     | 210,000                   | 22.6                 |
|                               | mm    |                   | 75.1           | 83.6              | 150.2          | 158.7                  | 71.6                       | 12,470                     | 95,455                    | 33.7                 |
| 200-3                         | inch  | 3                 | 4.37           | 4.70              | 8.73           | 9.06                   | 2.819                      | 40,240                     | 315,000                   | 33.9                 |
|                               | mm    |                   | 110.9          | 119.3             | 221.7          | 230.2                  | 71.6                       | 18,290                     | 143,180                   | 50.5                 |
| 200-4                         | inch  | 4                 | 5.78           | 6.13              | 11.55          | 11.91                  | 2.819                      | 53,100                     | 420,000                   | 45.2                 |
|                               | mm    |                   | 146.7          | 155.7             | 293.3          | 302.4                  | 71.6                       | 24,135                     | 190,910                   | 67.3                 |
| 200-5                         | inch  | 5                 | 7.20           | 7.53              | 14.39          | 14.72                  | 2.819                      | 62,750                     | 525,000                   | 56.4                 |
|                               | mm    |                   | 182.8          | 191.2             | 365.5          | 374.0                  | 71.6                       | 28,525                     | 238,635                   | 84.1                 |
| 200-6                         | inch  | 6                 | 8.61           | 8.94              | 17.21          | 17.54                  | 2.819                      | 74,000                     | 630,000                   | 67.7                 |
|                               | mm    |                   | 218.6          | 227.0             | 437.1          | 445.6                  | 71.6                       | 15,000                     | 286,365                   | 100.9                |



## 200 ASME/ANSI Roller Chain

Horsepower Capacity Table

| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |       |       |        |       |       |       |       |       |        |       |       |       |       |       |       |       |       |       |
|------------------------|---------------------------------------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 10                                    | 15    | 20    | 30     | 40    | 50    | 70    | 100   | 150   | 200    | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   |
| 9                      | 6.53                                  | 9.40  | 12.17 | 17.53  | 22.71 | 27.76 | 37.59 | 51.81 | 74.62 | 96.69  | 118.2 | 139.3 | 145.8 | 119.4 | 100.1 | 85.46 | 74.06 | 65.00 | 57.65 |
| 10                     | 7.31                                  | 10.52 | 13.63 | 19.65  | 25.46 | 31.11 | 42.12 | 58.06 | 83.62 | 108.3  | 132.4 | 156.0 | 170.9 | 139.8 | 117.2 | 100.1 | 86.74 | 76.14 | 67.52 |
| 11                     | 8.10                                  | 11.68 | 15.12 | 21.77  | 28.20 | 34.49 | 46.68 | 64.36 | 92.69 | 120.1  | 146.8 | 172.9 | 197.2 | 161.4 | 135.3 | 115.5 | 100.1 | 87.83 | 77.90 |
| 12                     | 8.90                                  | 12.82 | 16.61 | 23.91  | 30.99 | 37.88 | 51.29 | 70.70 | 101.8 | 131.9  | 161.3 | 189.9 | 218.2 | 183.9 | 154.0 | 131.6 | 114.0 | 100.1 |       |
| 13                     | 9.71                                  | 13.98 | 18.11 | 26.09  | 33.79 | 41.30 | 55.91 | 77.08 | 111.0 | 143.8  | 175.9 | 207.1 | 237.9 | 207.4 | 173.7 | 148.4 | 128.6 | 112.8 |       |
| 14                     | 10.51                                 | 15.15 | 19.61 | 28.26  | 36.61 | 44.75 | 60.56 | 83.50 | 120.3 | 155.8  | 190.5 | 224.4 | 257.8 | 231.6 | 194.1 | 165.8 | 143.7 | 126.1 |       |
| 15                     | 11.33                                 | 16.31 | 21.13 | 30.44  | 39.44 | 48.20 | 65.25 | 89.96 | 129.6 | 167.8  | 205.2 | 241.8 | 277.7 | 257.0 | 215.3 | 183.9 | 159.4 | 139.8 |       |
| 16                     | 12.14                                 | 17.49 | 22.65 | 32.64  | 42.28 | 51.69 | 69.96 | 96.45 | 138.9 | 180.0  | 220.0 | 259.2 | 297.9 | 283.1 | 237.3 | 202.5 | 175.6 | 154.0 |       |
| 17                     | 12.96                                 | 18.67 | 24.20 | 34.84  | 45.15 | 55.19 | 74.71 | 103.0 | 148.3 | 192.2  | 234.9 | 276.8 | 318.0 | 310.1 | 259.8 | 221.8 | 192.2 | 168.8 |       |
| 18                     | 13.79                                 | 19.87 | 25.74 | 37.06  | 48.02 | 58.70 | 79.45 | 109.5 | 157.8 | 204.4  | 249.9 | 294.4 | 338.2 | 337.8 | 283.1 | 241.7 | 209.5 | 183.9 |       |
| 19                     | 14.62                                 | 21.06 | 27.28 | 39.29  | 50.90 | 62.23 | 84.24 | 116.1 | 167.3 | 216.6  | 264.9 | 312.1 | 358.6 | 366.4 | 307.0 | 262.1 | 227.2 | 199.3 |       |
| 20                     | 15.46                                 | 22.25 | 28.83 | 41.53  | 53.81 | 65.78 | 89.03 | 122.7 | 176.8 | 229.1  | 280.0 | 329.9 | 379.0 | 395.6 | 331.5 | 283.1 | 245.3 |       |       |
| 21                     | 16.29                                 | 23.46 | 30.39 | 43.78  | 56.72 | 69.33 | 93.85 | 129.4 | 186.3 | 241.4  | 295.2 | 347.7 | 399.5 | 425.6 | 356.7 | 304.6 | 263.9 |       |       |
| 22                     | 17.13                                 | 24.66 | 31.96 | 46.03  | 59.64 | 72.90 | 98.69 | 136.0 | 196.0 | 253.9  | 310.3 | 365.7 | 420.1 | 456.4 | 382.4 | 326.5 | 283.1 |       |       |
| 23                     | 17.96                                 | 25.88 | 33.53 | 48.30  | 62.57 | 76.49 | 103.5 | 142.7 | 205.6 | 266.4  | 325.6 | 383.6 | 440.8 | 487.8 | 408.8 | 349.1 | 342.8 |       |       |
| 24                     | 18.82                                 | 27.10 | 35.11 | 50.56  | 65.51 | 80.08 | 108.4 | 149.4 | 215.3 | 278.8  | 340.9 | 401.7 | 461.5 | 520.0 | 435.8 | 372.1 | 322.5 |       |       |
| 25                     | 19.66                                 | 28.32 | 36.69 | 52.84  | 68.47 | 83.70 | 113.3 | 156.2 | 224.9 | 291.4  | 356.3 | 419.8 | 482.3 | 543.8 | 463.3 | 395.6 | 342.9 |       |       |
| 26                     | 20.51                                 | 29.54 | 38.28 | 55.13  | 71.43 | 87.32 | 118.2 | 163.0 | 234.7 | 304.0  | 371.7 | 437.9 | 503.1 | 567.4 | 491.4 | 419.6 | 363.7 |       |       |
| Lube                   | Type A                                |       |       | Type B |       |       |       |       |       | Type C |       |       |       |       |       |       |       |       |       |

Kilowatt Capacity Table

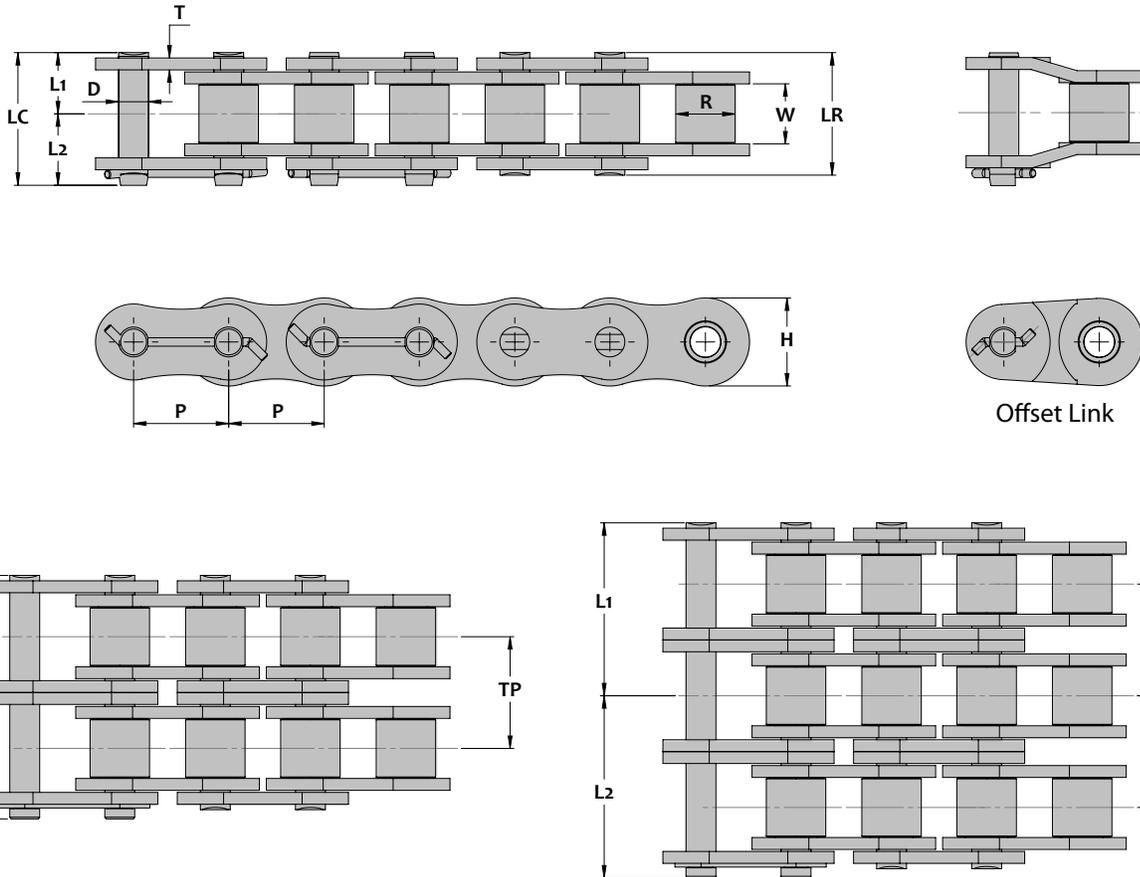
| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |       |       |        |       |       |       |       |       |        |       |       |       |       |       |       |       |       |       |
|------------------------|---------------------------------------|-------|-------|--------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|                        | 10                                    | 15    | 20    | 30     | 40    | 50    | 70    | 100   | 150   | 200    | 250   | 300   | 350   | 400   | 450   | 500   | 550   | 600   | 650   |
| 9                      | 4.87                                  | 7.01  | 9.08  | 13.08  | 16.94 | 20.71 | 28.04 | 38.65 | 55.67 | 72.13  | 88.17 | 103.9 | 108.8 | 89.09 | 74.66 | 63.75 | 55.25 | 48.49 | 43.01 |
| 10                     | 5.45                                  | 7.85  | 10.17 | 14.66  | 18.99 | 23.21 | 31.42 | 43.31 | 62.38 | 80.82  | 98.79 | 116.4 | 127.5 | 104.3 | 87.44 | 74.66 | 64.71 | 56.80 | 50.37 |
| 11                     | 6.04                                  | 8.71  | 11.28 | 16.24  | 21.04 | 25.73 | 34.82 | 48.01 | 69.15 | 89.58  | 109.5 | 129.0 | 147.1 | 120.4 | 100.9 | 86.13 | 74.66 | 65.52 | 58.11 |
| 12                     | 6.64                                  | 9.56  | 12.39 | 17.84  | 23.12 | 28.26 | 38.26 | 52.74 | 75.96 | 98.41  | 120.3 | 141.7 | 162.8 | 137.2 | 114.9 | 98.14 | 85.07 | 74.66 |       |
| 13                     | 7.24                                  | 10.43 | 13.51 | 19.46  | 25.21 | 30.81 | 41.71 | 57.50 | 82.82 | 107.3  | 131.2 | 154.5 | 177.5 | 154.7 | 129.6 | 110.7 | 95.92 | 84.18 |       |
| 14                     | 7.84                                  | 11.30 | 14.63 | 21.08  | 27.31 | 33.38 | 45.18 | 62.29 | 89.72 | 116.2  | 142.1 | 167.4 | 192.3 | 172.8 | 144.8 | 123.7 | 107.2 | 94.08 |       |
| 15                     | 8.45                                  | 12.17 | 15.76 | 22.71  | 29.42 | 35.96 | 48.68 | 67.11 | 96.66 | 125.2  | 153.1 | 180.4 | 207.2 | 191.7 | 160.6 | 137.2 | 118.9 | 104.3 |       |
| 16                     | 9.06                                  | 13.05 | 16.90 | 24.35  | 31.54 | 38.56 | 52.19 | 71.95 | 103.6 | 134.3  | 164.1 | 193.4 | 222.2 | 211.2 | 177.0 | 151.1 | 131.0 | 114.9 |       |
| 17                     | 9.67                                  | 13.93 | 18.05 | 25.99  | 33.68 | 41.17 | 55.73 | 76.82 | 110.7 | 143.4  | 175.2 | 206.5 | 237.2 | 231.3 | 193.8 | 165.5 | 143.4 | 125.9 |       |
| 18                     | 10.29                                 | 14.82 | 19.20 | 27.65  | 35.82 | 43.79 | 59.27 | 81.71 | 117.7 | 152.5  | 186.4 | 219.6 | 252.3 | 252.0 | 211.2 | 180.3 | 156.3 | 137.2 |       |
| 19                     | 10.91                                 | 15.71 | 20.35 | 29.31  | 37.97 | 46.42 | 62.84 | 86.62 | 124.8 | 161.6  | 197.6 | 232.8 | 267.5 | 273.3 | 229.0 | 195.5 | 169.5 | 148.7 |       |
| 20                     | 11.53                                 | 16.60 | 21.51 | 30.98  | 40.14 | 49.07 | 66.42 | 91.56 | 131.9 | 170.9  | 208.9 | 246.1 | 282.7 | 295.1 | 247.3 | 211.2 | 183.0 |       |       |
| 21                     | 12.15                                 | 17.50 | 22.67 | 32.66  | 42.31 | 51.72 | 70.01 | 96.51 | 139.0 | 180.1  | 220.2 | 259.4 | 298.0 | 317.5 | 266.1 | 227.2 | 196.9 |       |       |
| 22                     | 12.78                                 | 18.40 | 23.84 | 34.34  | 44.49 | 54.38 | 73.62 | 101.5 | 146.2 | 189.4  | 231.5 | 272.8 | 313.4 | 340.5 | 285.3 | 243.6 | 211.2 |       |       |
| 23                     | 13.40                                 | 19.31 | 25.01 | 36.03  | 46.68 | 57.06 | 77.24 | 106.5 | 153.4 | 198.7  | 242.9 | 286.2 | 328.8 | 363.9 | 305.0 | 260.4 | 255.7 |       |       |
| 24                     | 14.04                                 | 20.22 | 26.19 | 37.72  | 48.87 | 59.74 | 80.87 | 111.5 | 160.6 | 208.0  | 254.3 | 299.7 | 344.3 | 387.9 | 325.1 | 277.6 | 240.6 |       |       |
| 25                     | 14.67                                 | 21.13 | 27.37 | 39.42  | 51.08 | 62.44 | 84.52 | 116.5 | 167.8 | 217.4  | 265.8 | 313.2 | 359.8 | 405.7 | 345.6 | 295.1 | 255.8 |       |       |
| 26                     | 15.30                                 | 22.04 | 28.56 | 41.13  | 53.29 | 65.14 | 88.18 | 121.6 | 175.1 | 226.8  | 277.3 | 326.7 | 375.3 | 423.3 | 366.6 | 313.0 | 271.3 |       |       |
| Lube                   | Type A                                |       |       | Type B |       |       |       |       |       | Type C |       |       |       |       |       |       |       |       |       |

Lube Type A: Manual or Drip Lubrication  
 Lube Type B: Bath or Slinger Disc Lubrication  
 Lube Type C: Oil Stream or Pressure Spray Lubrication

Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

|                     |     |     |     |     |     |
|---------------------|-----|-----|-----|-----|-----|
| Number of Strands   | 2   | 3   | 4   | 5   | 6   |
| Multi-Strand Factor | 1.7 | 2.5 | 3.3 | 3.9 | 4.6 |

## 240 ASME/ANSI Roller Chain



### Chain Dimensions

| Common Dimensions             |            |                   |                |                   |                |                        |                            |                                   |  |  |
|-------------------------------|------------|-------------------|----------------|-------------------|----------------|------------------------|----------------------------|-----------------------------------|--|--|
| MAXCO Chain Number            | Units      | Chain Pitch P     | Inside Width W | Roller Diameter R | Pin Diameter D | Link Plate Thickness T | Roller Link Plate Height H | Number of Links in 10ft/5m        | Available Construction                   |  |
| 240                           | inch<br>mm | 3.000<br>76.20    | 1.875<br>47.63 | 1.875<br>47.63    | 0.936<br>23.78 | 0.374<br>9.5           | 2.768<br>70.3              | 40<br>66                          | Yes                                      | Yes                                    |
| Pin Lengths and Chain Ratings |            |                   |                |                   |                |                        |                            |                                   |  |  |
| MAXCO Chain Number            | Units      | Number of Strands | Pin Length     |                   |                |                        | Transverse Pitch TP        | Rated Working Load<br>Lbs<br>Kg-f | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|                               |            |                   | L1             | L2                | LR             | LC                     |                            |                                   |  |  |
| 240                           | inch<br>mm | 1                 | 1.90<br>48.2   | 2.20<br>55.9      | 3.80<br>96.4   | 4.10<br>104.1          | -<br>-                     | 29,000<br>13,180                  | 152,200<br>69,180                        | 15.9<br>23.6                           |
| 240-2                         | inch<br>mm | 2                 | 3.63<br>92.1   | 3.93<br>99.7      | 7.25<br>184.2  | 7.55<br>191.8          | 3.457<br>87.8              | 37,900<br>17,225                  | 304,400<br>138,365                       | 31.6<br>47.1                           |
| 240-3                         | inch<br>mm | 3                 | 5.35<br>136.0  | 5.65<br>143.6     | 10.71<br>272.0 | 11.01<br>279.6         | 3.457<br>87.8              | 55,700<br>25,320                  | 456,600<br>207,545                       | 47.3<br>70.6                           |
| 240-4                         | inch<br>mm | 4                 | 7.08<br>179.9  | 7.38<br>187.5     | 14.17<br>359.8 | 14.46<br>367.4         | 3.457<br>87.8              | 72,840<br>33,110                  | 608,800<br>276,725                       | 63.1<br>94.1                           |
| 240-5                         | inch<br>mm | 5                 | 8.81<br>223.8  | 9.11<br>23.14     | 17.62<br>447.6 | 17.92<br>455.2         | 3.457<br>87.8              | 86,900<br>39,500                  | 761,000<br>345,910                       | 78.8<br>117.6                          |
| 240-6                         | inch<br>mm | 6                 | 10.54<br>267.8 | 10.83<br>275.2    | 21.09<br>535.6 | 21.38<br>543.0         | 3.457<br>87.8              | 102,500<br>46,590                 | 913,200<br>415,090                       | 94.6<br>141.1                          |



## 240 ASME/ANSI Roller Chain

Horsepower Capacity Table

| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |       |       |       |       |        |       |       |       |       |       |       |       |       |       |        |       |       |       |       |
|------------------------|---------------------------------------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
|                        | 5                                     | 10    | 15    | 20    | 25    | 30     | 40    | 50    | 60    | 80    | 100   | 125   | 150   | 175   | 200   | 250    | 300   | 350   | 400   | 450   |
| 9                      | 5.63                                  | 10.51 | 15.13 | 19.60 | 23.97 | 28.24  | 36.58 | 44.72 | 52.69 | 68.27 | 83.45 | 102.0 | 120.2 | 138.1 | 155.8 | 190.3  | 212.7 | 168.8 | 138.2 | 115.8 |
| 10                     | 6.31                                  | 11.77 | 16.96 | 21.97 | 26.85 | 31.64  | 40.99 | 50.11 | 59.05 | 76.49 | 93.50 | 114.3 | 134.7 | 154.7 | 174.5 | 213.3  | 249.2 | 197.7 | 161.8 | 135.7 |
| 11                     | 7.00                                  | 13.04 | 18.79 | 24.34 | 29.76 | 35.07  | 45.43 | 55.54 | 65.44 | 84.72 | 103.6 | 126.7 | 149.3 | 171.4 | 193.4 | 236.5  | 278.6 | 228.2 | 186.7 | 156.4 |
| 12                     | 7.68                                  | 14.33 | 20.64 | 26.74 | 32.69 | 38.53  | 49.91 | 61.02 | 71.89 | 93.14 | 113.9 | 139.2 | 163.9 | 188.3 | 212.5 | 259.7  | 306.0 | 259.9 | 212.7 |       |
| 13                     | 8.38                                  | 15.63 | 22.51 | 29.17 | 35.64 | 42.01  | 54.42 | 66.53 | 78.38 | 101.6 | 124.1 | 151.7 | 178.8 | 205.4 | 231.6 | 283.1  | 333.6 | 293.0 | 239.8 |       |
| 14                     | 9.08                                  | 16.93 | 24.38 | 31.60 | 38.62 | 45.51  | 58.95 | 72.06 | 84.92 | 110.0 | 134.5 | 164.3 | 193.7 | 222.5 | 250.9 | 306.7  | 361.5 | 327.5 | 268.1 |       |
| 15                     | 9.77                                  | 18.24 | 26.27 | 34.03 | 41.61 | 49.02  | 63.51 | 77.64 | 91.49 | 118.5 | 144.9 | 177.1 | 208.7 | 239.7 | 270.4 | 330.4  | 389.4 | 363.3 | 297.3 |       |
| 16                     | 10.48                                 | 19.56 | 28.16 | 36.49 | 44.61 | 52.56  | 68.10 | 83.24 | 98.08 | 127.1 | 155.4 | 189.9 | 223.7 | 257.1 | 289.8 | 354.3  | 417.6 | 400.1 | 327.5 |       |
| 17                     | 11.19                                 | 20.88 | 30.08 | 38.97 | 47.63 | 56.13  | 72.71 | 88.87 | 104.7 | 135.7 | 165.8 | 202.7 | 238.9 | 274.4 | 309.5 | 378.3  | 445.8 | 438.2 | 358.7 |       |
| 18                     | 11.90                                 | 22.21 | 31.98 | 41.45 | 50.66 | 59.69  | 77.33 | 94.53 | 111.4 | 144.3 | 176.4 | 215.7 | 254.2 | 292.0 | 329.2 | 402.4  | 474.1 | 477.5 | 390.8 |       |
| 19                     | 12.61                                 | 23.54 | 33.91 | 43.94 | 53.71 | 63.28  | 81.98 | 100.2 | 118.1 | 153.0 | 187.0 | 228.6 | 269.4 | 309.5 | 348.9 | 426.7  | 502.7 | 517.8 | 423.9 |       |
| 20                     | 13.34                                 | 24.88 | 35.84 | 46.43 | 56.77 | 66.89  | 86.66 | 105.9 | 124.8 | 161.7 | 197.7 | 241.7 | 284.7 | 327.1 | 368.9 | 450.9  | 531.4 | 559.2 | 457.8 |       |
| 21                     | 14.06                                 | 26.23 | 37.79 | 48.95 | 59.84 | 70.51  | 91.34 | 111.7 | 131.6 | 170.5 | 208.3 | 254.7 | 300.1 | 344.8 | 388.9 | 475.3  | 560.1 | 601.7 | 492.5 |       |
| 22                     | 14.79                                 | 27.59 | 39.73 | 51.47 | 62.92 | 74.14  | 96.05 | 117.4 | 138.4 | 179.2 | 219.2 | 267.8 | 315.5 | 362.6 | 408.8 | 499.9  | 588.9 | 645.2 | 528.0 |       |
| 23                     | 15.51                                 | 28.94 | 41.69 | 54.01 | 66.02 | 77.79  | 100.8 | 123.2 | 145.2 | 188.1 | 229.9 | 281.0 | 331.1 | 380.4 | 429.0 | 524.4  | 617.8 | 689.7 | 564.5 |       |
| 24                     | 16.23                                 | 30.29 | 43.65 | 56.54 | 69.12 | 81.45  | 105.5 | 129.0 | 152.0 | 196.9 | 240.8 | 294.2 | 346.6 | 398.3 | 449.2 | 549.1  |       |       |       |       |
| 25                     | 16.97                                 | 31.66 | 45.62 | 59.09 | 72.24 | 85.12  | 110.3 | 134.8 | 158.8 | 205.8 | 251.6 | 307.5 | 362.3 | 416.2 | 469.4 | 573.9  |       |       |       |       |
| 26                     | 17.71                                 | 33.04 | 47.59 | 61.65 | 75.36 | 88.81  | 115.0 | 140.6 | 165.7 | 214.7 | 262.5 | 320.8 | 378.0 | 434.3 | 489.7 | 598.7  |       |       |       |       |
| Lube                   | Type A                                |       |       |       |       | Type B |       |       |       |       |       |       |       |       |       | Type C |       |       |       |       |

Kilowatt Capacity Table

| # Teeth Small Sprocket | Maximum Speed of Small Sprocket (rpm) |       |       |       |       |        |       |       |       |       |       |       |       |       |       |        |       |       |       |       |
|------------------------|---------------------------------------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|
|                        | 5                                     | 10    | 15    | 20    | 25    | 30     | 40    | 50    | 60    | 80    | 100   | 125   | 150   | 175   | 200   | 250    | 300   | 350   | 400   | 450   |
| 9                      | 4.20                                  | 7.84  | 11.29 | 14.62 | 17.88 | 21.07  | 27.29 | 33.36 | 39.31 | 50.93 | 62.25 | 76.10 | 89.67 | 103.0 | 116.2 | 142.0  | 158.7 | 125.9 | 103.1 | 86.38 |
| 10                     | 4.71                                  | 8.78  | 12.65 | 16.39 | 20.03 | 23.60  | 30.58 | 37.38 | 44.05 | 57.06 | 69.75 | 85.27 | 100.5 | 115.4 | 130.2 | 159.1  | 185.9 | 147.5 | 120.7 | 101.2 |
| 11                     | 5.22                                  | 9.73  | 14.02 | 18.16 | 22.20 | 26.16  | 33.89 | 41.43 | 48.82 | 63.20 | 77.32 | 94.51 | 111.4 | 127.9 | 144.3 | 176.4  | 207.8 | 170.2 | 139.3 | 116.7 |
| 12                     | 5.73                                  | 10.69 | 15.40 | 19.95 | 24.39 | 28.74  | 37.23 | 45.52 | 53.63 | 69.48 | 84.94 | 103.8 | 122.3 | 140.5 | 158.5 | 193.7  | 228.3 | 193.9 | 158.7 |       |
| 13                     | 6.25                                  | 11.66 | 16.79 | 21.76 | 26.59 | 31.34  | 40.60 | 49.63 | 58.47 | 75.76 | 92.60 | 113.2 | 133.4 | 153.2 | 172.8 | 211.2  | 248.9 | 218.6 | 178.9 |       |
| 14                     | 6.77                                  | 12.63 | 18.19 | 23.57 | 28.81 | 33.95  | 43.98 | 53.76 | 63.35 | 82.07 | 100.3 | 122.6 | 144.5 | 166.0 | 187.2 | 228.8  | 269.7 | 244.3 | 200.0 |       |
| 15                     | 7.29                                  | 13.61 | 19.60 | 25.39 | 31.04 | 36.57  | 47.38 | 57.92 | 68.25 | 88.42 | 108.1 | 132.1 | 155.7 | 178.8 | 201.7 | 246.5  | 290.5 | 271.0 | 221.8 |       |
| 16                     | 7.82                                  | 14.59 | 21.01 | 27.22 | 33.28 | 39.21  | 50.80 | 62.10 | 73.17 | 94.80 | 115.9 | 141.7 | 166.9 | 191.8 | 216.2 | 264.3  | 311.5 | 298.5 | 244.3 |       |
| 17                     | 8.35                                  | 15.58 | 22.44 | 29.07 | 35.53 | 41.87  | 54.24 | 66.30 | 78.13 | 101.2 | 123.7 | 151.2 | 178.2 | 204.7 | 230.9 | 282.2  | 332.6 | 326.9 | 267.6 |       |
| 18                     | 8.88                                  | 16.57 | 23.86 | 30.92 | 37.79 | 44.53  | 57.69 | 70.52 | 83.10 | 107.7 | 131.6 | 160.9 | 189.6 | 217.8 | 245.6 | 300.2  | 353.7 | 356.2 | 291.5 |       |
| 19                     | 9.41                                  | 17.56 | 25.30 | 32.78 | 40.07 | 47.21  | 61.16 | 74.77 | 88.10 | 114.1 | 139.5 | 170.5 | 201.0 | 230.9 | 260.3 | 318.3  | 375.0 | 386.3 | 316.2 |       |
| 20                     | 9.95                                  | 18.56 | 26.74 | 34.64 | 42.35 | 49.90  | 64.65 | 79.02 | 93.12 | 120.6 | 147.5 | 180.3 | 212.4 | 244.0 | 275.2 | 336.4  | 396.4 | 417.2 | 341.5 |       |
| 21                     | 10.49                                 | 19.57 | 28.19 | 36.52 | 44.64 | 52.60  | 68.14 | 83.30 | 98.15 | 127.2 | 155.4 | 190.0 | 223.9 | 257.2 | 290.1 | 354.6  | 417.8 | 448.9 | 367.4 |       |
| 22                     | 11.03                                 | 20.58 | 29.64 | 38.40 | 46.94 | 55.31  | 71.65 | 87.59 | 103.2 | 133.7 | 163.5 | 199.8 | 235.4 | 270.5 | 305.0 | 372.9  | 439.3 | 481.3 | 393.9 |       |
| 23                     | 11.57                                 | 21.59 | 31.10 | 40.29 | 49.25 | 58.03  | 75.18 | 91.90 | 108.3 | 140.3 | 171.5 | 209.6 | 247.0 | 283.8 | 320.0 | 391.2  | 460.9 | 514.5 | 421.1 |       |
| 24                     | 12.11                                 | 22.60 | 32.56 | 42.18 | 51.56 | 60.76  | 78.71 | 96.22 | 113.4 | 146.9 | 179.6 | 219.5 | 258.6 | 297.1 | 335.1 | 409.6  |       |       |       |       |
| 25                     | 12.66                                 | 23.62 | 34.03 | 44.08 | 53.89 | 63.50  | 82.26 | 100.6 | 118.5 | 153.5 | 187.7 | 229.4 | 270.3 | 310.5 | 350.2 | 428.1  |       |       |       |       |
| 26                     | 13.21                                 | 24.65 | 35.50 | 45.99 | 56.22 | 66.25  | 85.82 | 104.9 | 123.6 | 160.2 | 195.8 | 239.3 | 282.0 | 324.0 | 365.3 | 446.6  |       |       |       |       |
| Lube                   | Type A                                |       |       |       |       | Type B |       |       |       |       |       |       |       |       |       | Type C |       |       |       |       |

Lube Type A: Manual or Drip Lubrication  
 Lube Type B: Bath or Slinger Disc Lubrication  
 Lube Type C: Oil Stream or Pressure Spray Lubrication

Note: Power ratings in above tables are for single strand chains only. For multiple strand chains multiply the table value by the multi-strand factor shown in the table to the right.

|                     |     |     |     |     |     |
|---------------------|-----|-----|-----|-----|-----|
| Number of Strands   | 2   | 3   | 4   | 5   | 6   |
| Multi-Strand Factor | 1.7 | 2.5 | 3.3 | 3.9 | 4.6 |

# ASME/ANSI Drive Chain Selection

## Introduction

Roller chains are one of the most efficient and cost effective ways to transmit mechanical power between shafts. They operate over a wide range of speeds, handle large working loads, have very small energy losses and are generally inexpensive compared with other methods of transmitting power. Successful selection involves following several relatively simple steps involving algebraic calculation and the use of horsepower and service factor tables.

For any given set of drive conditions, there are a number of possible chain/sprocket configurations that can successfully operate. The designer therefore should be aware of several basic selection principles that when applied correctly, help balance overall drive performance and cost. By following the steps outlined in this section designers should be able to make selections that meet the requirements of the drive and are cost effective.

## General Roller Chain Drive Principles

- The recommended number of teeth for the small sprocket is 15. The minimum is 9 teeth - smoother operation is obtained with more teeth.
- The recommended maximum number of teeth for the large sprocket is 120. Note that while more teeth allows for smoother operation having too many teeth leads to chain jumping off the sprocket after a relatively small amount of chain elongation due to wear - That is chains with a very large number of teeth accommodate less wear before the chain will no longer wrap around them properly.
- Speed ratios should be 7:1 or less (optimum) and not greater than 10:1. For larger ratios the use of multiple chain reductions is suggested.
- The recommended minimum wrap of the small sprocket is 120°.
- The recommended center distance between shafts is 30-50 pitches of chain. There are two exceptions to this as follows:

1. The center distance must be greater than the sum of the outside diameters of the driver and driven sprockets to prevent interference.
2. For speed ratios greater than 3:1 the center distance should not be less than the outside diameter of the large sprocket minus the outside diameter of the small sprocket to assure a minimum 120° wrap around the small sprocket.

## Required Information For Drive Chain Selection

- Type of input power (electric motor, internal combustion engine with mechanical or hydraulic drive).
- Type of equipment to be driven.
- Amount of horsepower required to provide sufficient power to the driven shaft.
- Full load speed of the fastest running shaft (rpm).
- Desired speed of the slow running shaft ( or the required speed ratio).  
NOTE: *If speeds are variable determine the horsepower to be transmitted at each speed.*
- Diameters of the drive and driven shafts . . . This value may restrict the minimum number of teeth for the sprockets.
- Center distance of the shafts.
- Note the position and any space limitations that may exist. Usually these limitations are on the maximum diameter of sprockets (this restricts the use of single strand chains) or the width of the chain (this restricts the use of multi-strand chains).
- Conditions of the drive including a determination of the class of load (uniform, moderate or heavy), severe operating temperatures or chemically aggressive environments should be noted.

## Abbreviations Used In Equations

- N** Number of teeth on the large sprocket.
- n** Number of teeth on the small sprocket.
- R** Speed in revolutions per minute (rpm) of the large sprocket.
- r** Speed in revolutions per minute (rpm) of the small sprocket.
- C** Shaft center distance in chain pitches.
- HP** Horsepower rating of the drive motor or engine.
- KW** Kilowatt power rating of drive motor or engine if using metric units.
- SF** Service Factor (see Table 1).

## The Drive Chain Selection Procedure

The following steps should be used to select chain and sprocket sizes, determine the minimum center distance, and calculate the length of chain needed in pitches. We will primarily use Imperial units (such as horsepower) in this section however Kilowatt Capacity tables are available for each chain size in the preceding section. The selection method is the same regardless of the units used.

### Step 1: Determine the Class of the Driven Load

Estimate which of the following best characterizes the condition of the drive.

- Uniform: Smooth operation. Little or no shock loading. Soft start up.
- Moderate: Normal or moderate shock loading.
- Heavy: Severe shock loading. Frequent starts and stops.

### Step 2: Determine the Service Factor

From Table 1 below determine the appropriate Service Factor (SF) for the drive.

Table 1: Service Factors

| Class of Driven Load | Type of Input Power                             |                           |  |
|----------------------|---|---------------------------|--|
|                      | Internal Combustion Engine with Hydraulic Drive | Electric Motor or Turbine | Internal Combustion Engine with Mechanical Drive |
| Uniform              | 1.0   | 1.0                       | 1.2  |
| Moderate             | 1.2   | 1.3                       | 1.4  |
| Heavy                | 1.4   | 1.5                       | 1.7  |

### Step 3: Calculate Design Power Requirement

$$\text{Design Horsepower (DHP)} = \text{HP} \times \text{SF (Imperial Units)}$$

or

$$\text{Design Kilowatt Power (DKW)} = \text{KW} \times \text{SF (Metric Units)}$$

The Design Power Requirement is equal to the motor (or engine) output power times the Service Factor obtained from Table 1.

### Step 4: Make a Tentative Chain Selection

From the Quick Selector Chart found on page 42 make a tentative selection of the required chain size in the following manner:

1. If using Kilowatt power - first convert to horsepower for this step by multiplying the motor Kilowatt rating by 1.340 . . . This is necessary since the quick selector chart is shown in horsepower.
2. Locate the Design Horsepower calculated in step 3 by reading up the single, double, triple or quad chain columns. Draw a horizontal line through this value.
3. Locate the rpm of the small sprocket on the horizontal axis of the chart. Draw a vertical line through this value.
4. The intersection of the two lines should indicate the tentative chain selection.

# ASME/ANSI Drive Chain Selection

## Step 5: Select the Number of Teeth for the Small Sprocket

Once a tentative selection of the chain size is made we need to determine the minimum number of teeth required on the small sprocket required to transmit the Design Horsepower (DHP) or the Design Kilowatt Power (DKW). To do this we consult the Power Capacity tables corresponding to the tentative chain size selected in step 4 (we can also check chains that are one size smaller). Note that both Horsepower Capacity and Kilowatt Capacity tables for each chain size can be found in the preceding pages.

The power values shown in the Capacity Tables are for single strand chains. The values for multiple strand chains may be found by multiplying these values by the appropriate multi-strand factor shown in table 2 below

Table 2: Multi-strand Factors

| Number of Strands   | 2   | 3   | 4   | 5   | 6   |
|---------------------|-----|-----|-----|-----|-----|
| Multi-Strand Factor | 1.7 | 2.5 | 3.3 | 3.9 | 4.6 |

In the case of multi-strand chains it is easier to calculate a new value for the Design Power Requirement rather than multiplying all of the power capacity values found in the capacity tables by the multi-strand factors. Therefore in order to use the values that are in the tables as they are we take the original calculated DHP or DKW values and divide them by the multi strand factors (the factor for single strand chain is of course 1):

$$\begin{aligned} \text{New Design Horsepower (NDHP)} &= \text{DHP} / \text{Multi-strand Factor} \\ \text{or} \\ \text{New Design Kilowatt Power (NDKW)} &= \text{DKW} / \text{Multi-strand Factor} \end{aligned}$$

The number of teeth on the small sprocket is then determined by:

1. Locating the rpm of the small sprocket along the top row of the power capacity tables.
2. Read down this column until the first value is reached that exceeds the New design Power requirement calculated above.
3. Read across to the first column on the left (# Teeth Small Sprocket) - This value is the minimum number of teeth required on the small sprocket to transmit the power effectively.

Note the lubrication method specified in the Power Capacity tables (Type A, Type B or Type C) - This lubrication method should be used in order to achieve good service life. Additional information regarding lubrication can be found in the Engineering Information sections in the back of this catalog.

## Step 6: Determine the Number of Teeth for the Large Sprocket

Use the following to calculate the number of teeth for the large sprocket:

$$N = (r / R) \times n$$

The number of teeth on the large sprocket equals the rpm of the small sprocket (r) divided by the desired rpm of the large sprocket (R) times the number of teeth on the small sprocket. If the sprocket is too large for the space available then multiple strand chains of a smaller pitch should be checked.

## Step 7: Determine the Minimum Shaft Center Distance

Use the following to calculate the minimum shaft center distance (in chain pitches):

$$C (\text{min}) = (2N + n) / 6$$

The above is a guide only. Final selection should be determined after consideration of the information given in the "General Roller Chain Drive Principles" at the beginning of this section.

## Step 8: Check the Final Selection

Use the information given in the "General Roller Chain Drive Principles" at the beginning of this section to check the selection details. In addition be aware of any potential interference or other space limitations that may exist and adjust the selection accordingly. In general the most efficient/cost effective drive uses single strand chains. This is because multiple strand sprockets are more expensive and as can be ascertained by the multi-strand factors the chains become less efficient in transmitting power as the number of strands increases. It is therefore generally best to specify single strand chains whenever possible

## Step 9: Determine the Length of Chain in Pitches

Use the following to calculate the length of the chain (L) in pitches:

$$L = ((N + n) / 2) + (2C) + (K / C)$$

Values for "K" may be found in Table 4 on page 43. Remember that C is the shaft center distance given in pitches of chain (not inches or millimeters etc). If the shaft center distance is known in a unit of length the value C is obtained by dividing the chain pitch (in the same unit) by the shaft centers.

$$\begin{aligned} C &= \text{Shaft Centers (inches)} / \text{Chain Pitch (inches)} \\ &\text{or} \\ C &= \text{Shaft Centers (millimeters)} / \text{Chain Pitch (millimeters)} \end{aligned}$$

Note that whenever possible it is best to utilize an even number of pitches in order to avoid the use of an offset link. Offsets do not possess the same load carrying capacity as the base chain and should be avoided if possible.

## Slow Speed Selection

If the linear chain speed (S) of the drive is less than or equal to 160 ft/min (50 meters/min) a one size smaller chain size can be selected by comparing the calculated chain tension to the chains "Rated Working Load" found in the "Chain Dimensions" tables for each chain size. The procedure is to calculate the linear chain speed (S) and then the calculated chain tension (T) by the following formulas

$$\begin{aligned} S &= (P \times n \times r) / 12 (\text{inches}) \\ &\text{or} \\ S &= (P \times n \times r) / 1000 (\text{millimeters}) \end{aligned}$$

$$\begin{aligned} S &= \text{Linear Chain Speed (ft/min or meters/min)} \\ P &= \text{Chain Pitch (inch or millimeters)} \\ n &= \text{Number of teeth on the small sprocket} \\ r &= \text{rpm of the small sprocket} \end{aligned}$$

$$\begin{aligned} T (\text{Lbs}) &= ((\text{DHP} \times 33,000) / S) \times F \\ &\text{or} \\ T (\text{Kg-F}) &= ((\text{DKW} \times 6,120) / S) \times F \end{aligned}$$

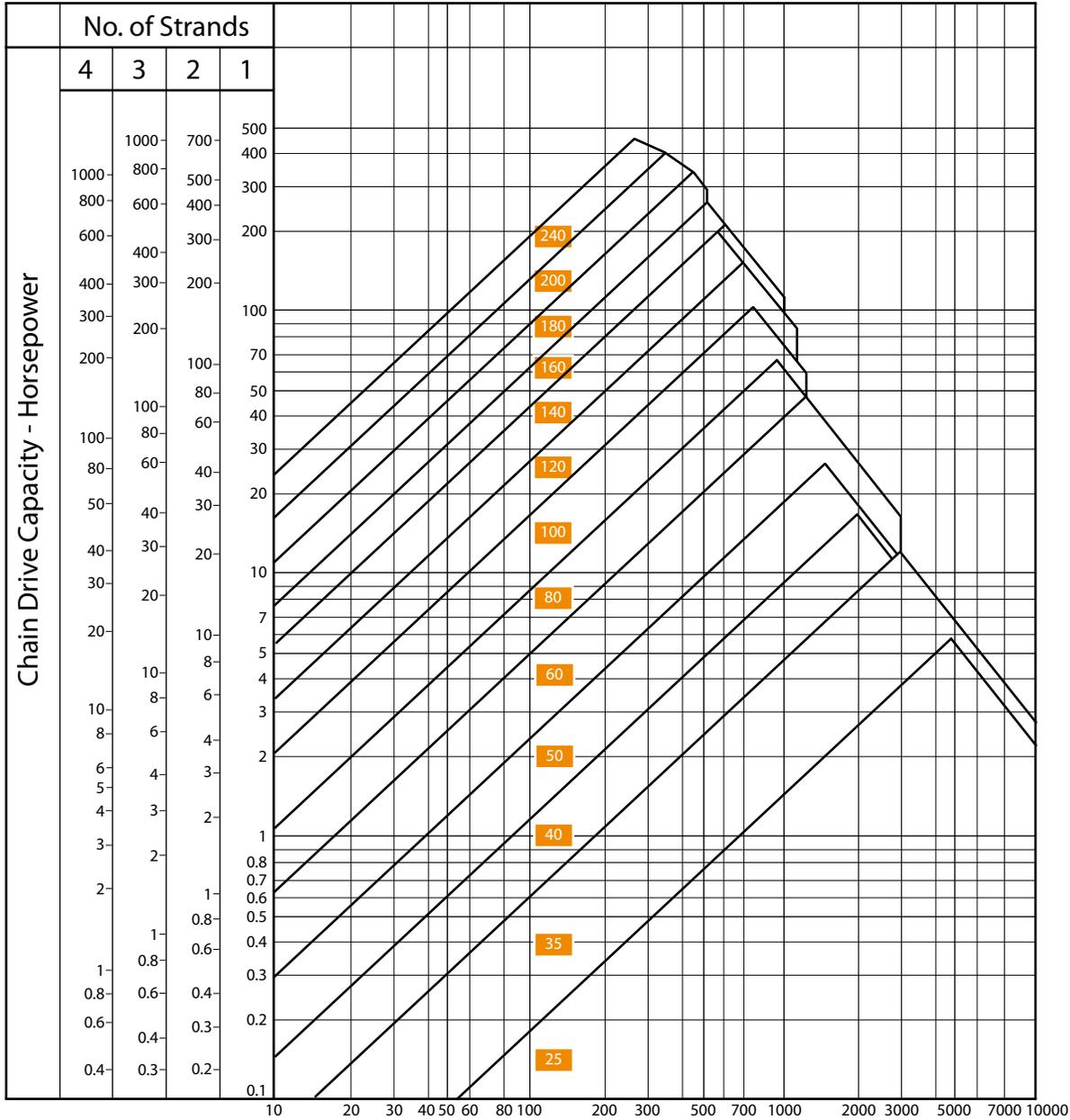
$$\begin{aligned} T &= \text{Calculated Chain Tension (lbs or kN)} \\ \text{DHP} &= \text{Design Horsepower} \\ \text{DKW} &= \text{Design Kilowatts} \\ F &= \text{Speed Correction Factor} \end{aligned}$$

Table 3: Speed Correction Factor

| Chain Speed                            | Factor (F) |
|--|------------|
| 0 - 50 ft/min<br>0 - 15 meters/min     | 1.0        |
| 50 - 100 ft/min<br>15 - 30 meters/min  | 1.2        |
| 100 - 160 ft/min<br>30 - 45 meters/min | 1.4        |

# ASME/ANSI Drive Chain Selection

**Quick Selector Chart**



Note that the Quick Selector Chart uses Horsepower. To convert Kilowatts to Horsepower use the following formula:

$$\text{Horsepower} = \text{Kilowatts} \times 1.340$$

Thus to make the tentative selection from the Quick Selector Chart convert Kilowatts to Horsepower. After the tentative selection is made you can revert back to metric units.

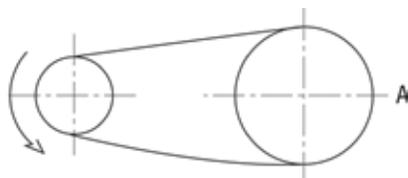
# ASME/ANSI Drive Chain Selection

Table 4: "K" Values for Calculating Chain Length (L)

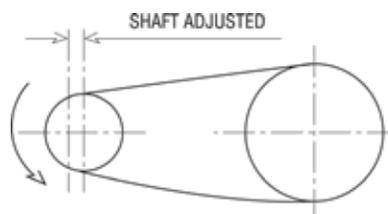
| N - n | K     | N - n | K     | N - n | K     | N - n | K      | N - n | K      | N - n | K      | N - n | K      |
|-------|-------|-------|-------|-------|-------|-------|--------|-------|--------|-------|--------|-------|--------|
| 1     | 0.03  | 21    | 11.17 | 41    | 42.58 | 61    | 94.25  | 81    | 166.19 | 101   | 258.39 | 121   | 370.86 |
| 2     | 0.10  | 22    | 12.26 | 42    | 44.68 | 62    | 97.37  | 82    | 170.32 | 102   | 263.54 | 122   | 377.02 |
| 3     | 0.23  | 23    | 13.40 | 43    | 46.84 | 63    | 100.54 | 83    | 174.50 | 103   | 268.73 | 123   | 383.22 |
| 4     | 0.41  | 24    | 14.59 | 44    | 49.04 | 64    | 103.75 | 84    | 178.73 | 104   | 273.97 | 124   | 389.48 |
| 5     | 0.63  | 25    | 15.83 | 45    | 51.29 | 65    | 107.02 | 85    | 183.01 | 105   | 279.27 | 125   | 395.79 |
| 6     | 0.91  | 26    | 17.12 | 46    | 53.60 | 66    | 110.34 | 86    | 187.34 | 106   | 284.67 | 126   | 402.14 |
| 7     | 1.24  | 27    | 18.47 | 47    | 55.95 | 67    | 113.71 | 87    | 191.73 | 107   | 290.01 | 127   | 408.55 |
| 8     | 1.62  | 28    | 19.86 | 48    | 58.36 | 68    | 117.13 | 88    | 196.16 | 108   | 295.45 | 128   | 415.01 |
| 9     | 2.05  | 29    | 21.30 | 49    | 60.82 | 69    | 120.60 | 89    | 200.64 | 109   | 300.95 | 129   | 421.52 |
| 10    | 2.53  | 30    | 22.80 | 50    | 63.33 | 70    | 124.12 | 90    | 205.18 | 110   | 306.50 | 130   | 428.08 |
| 11    | 3.06  | 31    | 24.34 | 51    | 65.88 | 71    | 127.69 | 91    | 209.76 | 111   | 312.09 | 131   | 434.69 |
| 12    | 3.65  | 32    | 25.94 | 52    | 68.49 | 72    | 131.31 | 92    | 214.40 | 112   | 317.74 | 132   | 441.36 |
| 13    | 4.28  | 33    | 27.58 | 53    | 71.15 | 73    | 134.09 | 93    | 219.08 | 113   | 323.44 | 133   | 448.07 |
| 14    | 4.96  | 34    | 29.28 | 54    | 73.86 | 74    | 138.71 | 94    | 223.82 | 114   | 329.19 | 134   | 454.83 |
| 15    | 5.70  | 35    | 31.03 | 55    | 76.62 | 75    | 142.48 | 95    | 228.61 | 115   | 334.99 | 135   | 461.64 |
| 16    | 6.48  | 36    | 32.83 | 56    | 79.44 | 76    | 146.31 | 96    | 233.44 | 116   | 340.84 | 136   | 468.51 |
| 17    | 7.32  | 37    | 34.68 | 57    | 82.30 | 77    | 150.18 | 97    | 238.33 | 117   | 346.75 | 137   | 475.42 |
| 18    | 8.21  | 38    | 36.58 | 58    | 85.21 | 78    | 154.11 | 98    | 243.27 | 118   | 352.70 | 138   | 482.39 |
| 19    | 9.14  | 39    | 38.53 | 59    | 88.17 | 79    | 158.09 | 99    | 248.26 | 119   | 358.70 | 139   | 489.41 |
| 20    | 10.13 | 40    | 40.53 | 60    | 91.19 | 80    | 162.11 | 100   | 253.30 | 120   | 364.76 | 140   | 496.47 |

## Allowable Drive Configurations

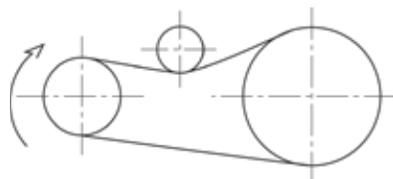
### Horizontal Drives



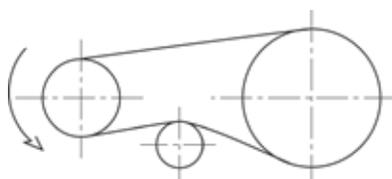
Slack side on bottom to provide self tensioning.



Short center distances (less than 20 pitches of chain) the shaft centers can be adjustable.

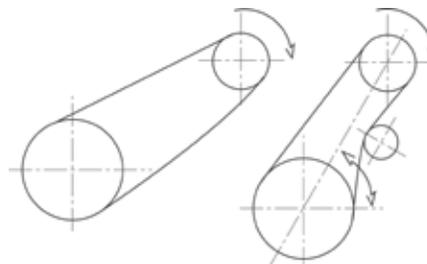


Chain tensioner is used when slack side is on the top.



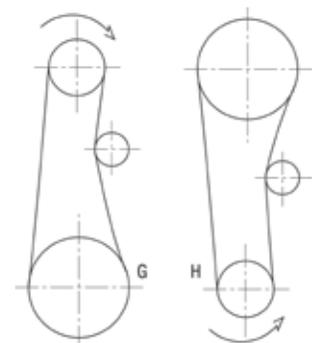
Chain tensioner is required when chain center distance is greater than 50 pitches.

### Incline Drives



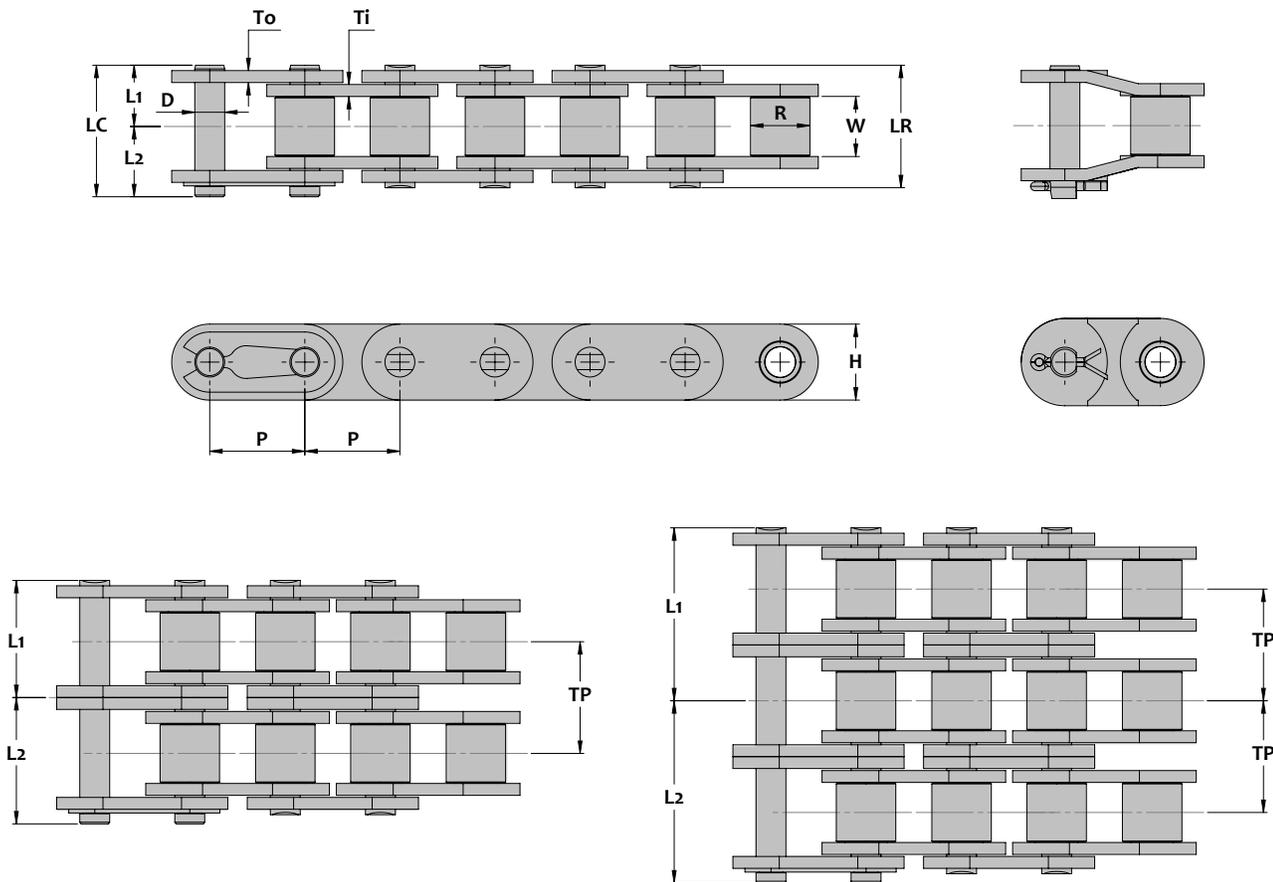
Chain tensioner is required if the inclined angle is greater than 60° or if too much slack causes the chain to fall away from the bottom sprocket.

### Vertical Drives



Chain tensioner is required regardless of the location of the small sprocket (Top or bottom)

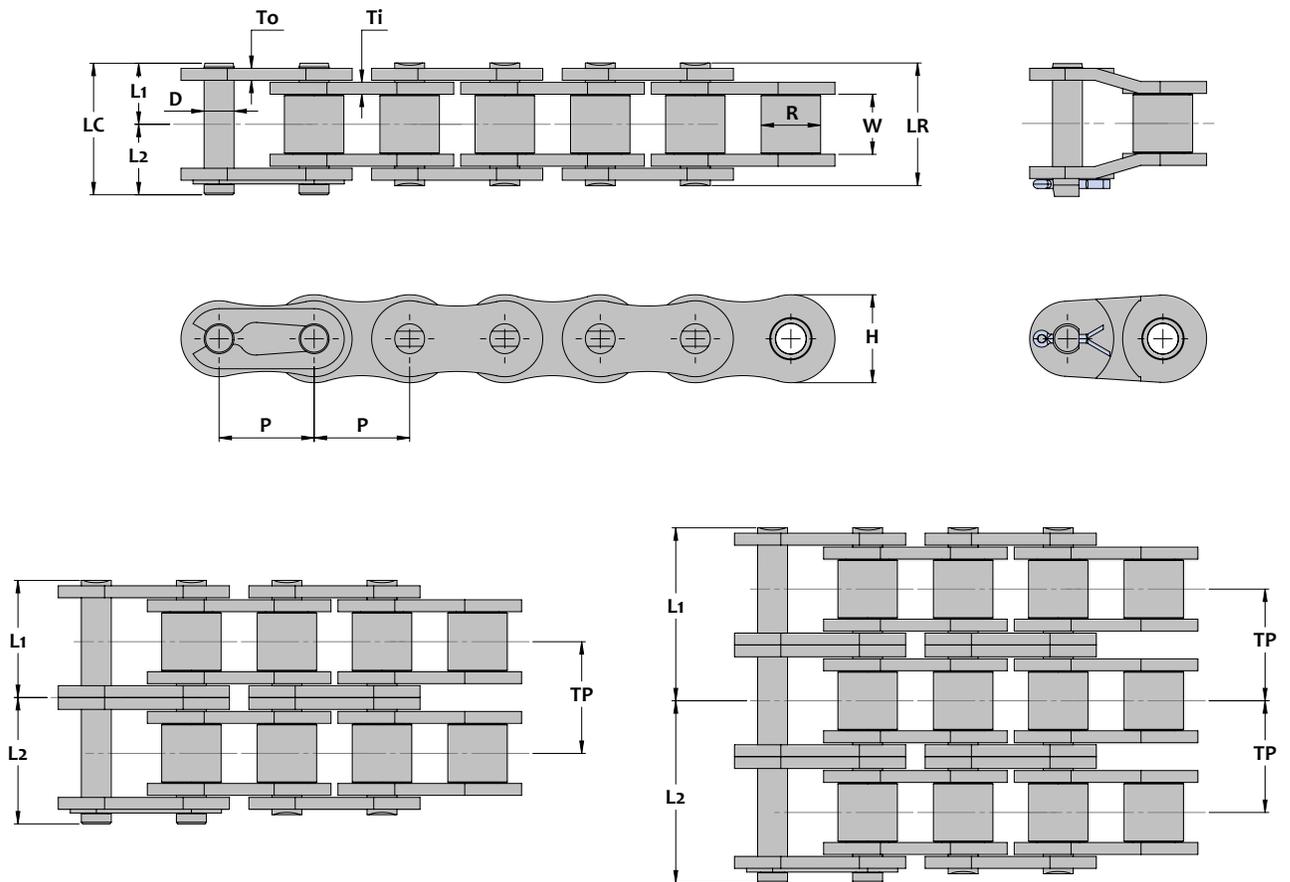
## 06B British Standard ISO Roller Chain



### Chain Dimensions

| Common Dimensions             |       |                   |                |                    |                |                      |                     |                            |                            |                           |                      |
|-------------------------------|-------|-------------------|----------------|--------------------|----------------|----------------------|---------------------|----------------------------|----------------------------|---------------------------|----------------------|
| MAXCO Chain Number            | Units | Chain Pitch P     | Inside Width W | Bushing Diameter R | Pin Diameter D | Link Plate Thickness |                     | Roller Link Plate Height H | Number of Links in 10ft/5m | Available Construction    |                      |
|                               |       |                   |                |                    |                | Ti                   | To                  |                            |                            | Cot                       | Riv                  |
| 06B                           | inch  | 0.375             | 0.225          | 0.250              | 0.130          | 0.050                | 0.040               | 0.323                      | 320                        | No                        | Yes                  |
|                               | mm    | 9.525             | 5.72           | 6.35               | 3.28           | 1.25                 | 1.0                 | 8.2                        | 526                        |                           |                      |
| Pin Lengths and Chain Ratings |       |                   |                |                    |                |                      |                     |                            |                            |                           |                      |
| MAXCO Chain Number            | Units | Number of Strands | Pin Lengths    |                    |                |                      | Transverse Pitch TP | Rated Working Load         | Minimum Ultimate Strength  | Average Ultimate Strength | Average Chain Weight |
|                               |       |                   | L1             | L2                 | LR             | LC                   |                     |                            |                            |                           |                      |
| 06B                           | inch  | 1                 | 0.25           | 0.28               | 0.50           | 0.53                 | -                   | 400                        | 2,000                      | 2,200                     | 0.27                 |
|                               | mm    |                   | 6.3            | 7.1                | 12.6           | 13.4                 | -                   | 182                        | 909                        | 1,000                     | 0.41                 |
| 06B-2                         | inch  | 2                 | 0.45           | 0.48               | 0.90           | 0.93                 | 0.403               | 680                        | 3,800                      | 4,360                     | 0.52                 |
|                               | mm    |                   | 11.4           | 12.3               | 22.9           | 23.7                 | 10.24               | 309                        | 1,725                      | 1,980                     | 0.78                 |
| 06B-3                         | inch  | 3                 | 0.65           | 0.67               | 1.31           | 1.33                 | 0.403               | 950                        | 5,600                      | 6,430                     | 0.79                 |
|                               | mm    |                   | 16.6           | 17.1               | 33.2           | 33.7                 | 10.24               | 432                        | 2,545                      | 2,925                     | 1.18                 |

# 08B British Standard ISO Roller Chain

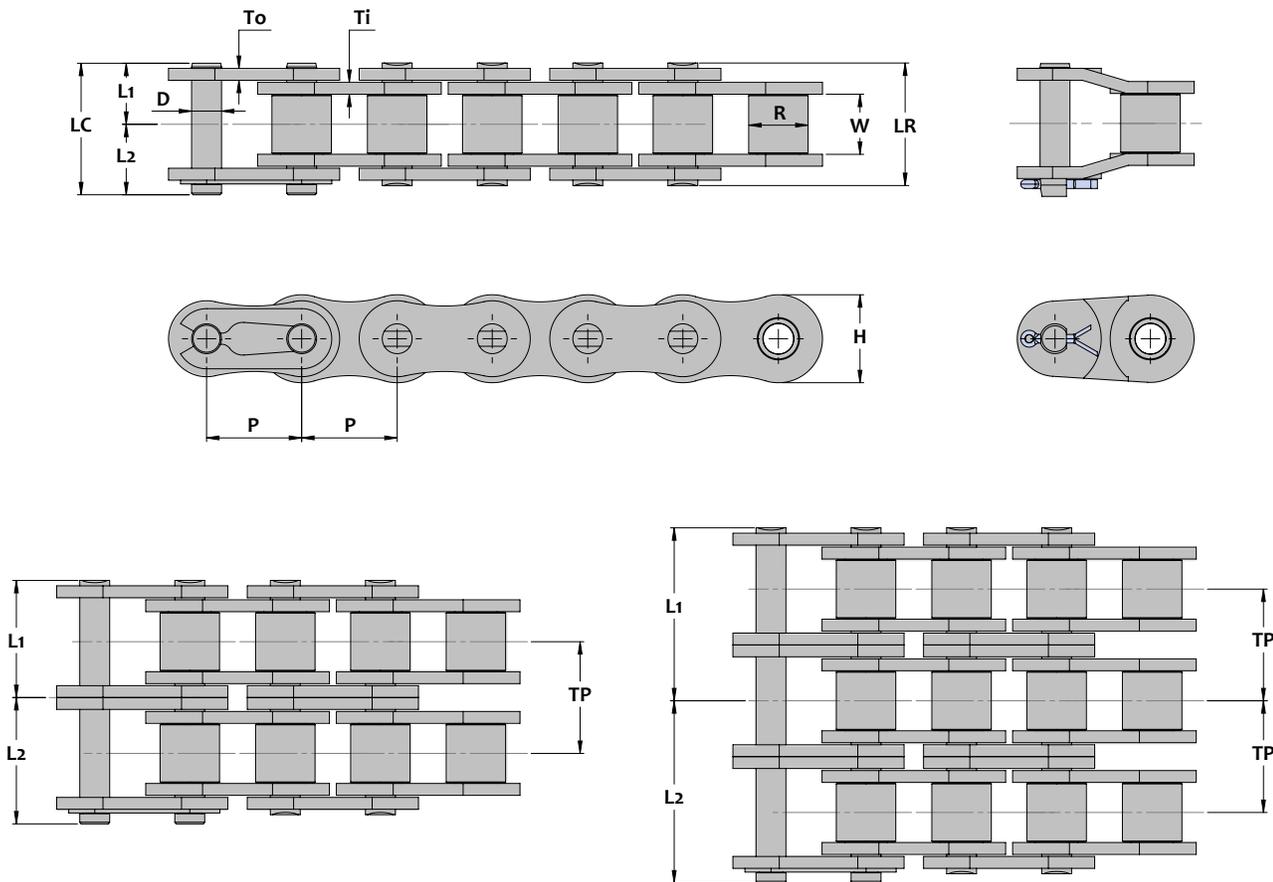


## Chain Dimensions

| MAXCO Chain Number | Units      | Common Dimensions |                |                    |                |                      |    |                            |                            |     | Available Construction |  |
|--------------------|------------|-------------------|----------------|--------------------|----------------|----------------------|----|----------------------------|----------------------------|-----|------------------------|--|
|                    |            | Chain Pitch P     | Inside Width W | Bushing Diameter R | Pin Diameter D | Link Plate Thickness |    | Roller Link Plate Height H | Number of Links in 10ft/5m | Cot | Riv                    |  |
|                    |            | P                 | W              | R                  | D              | Ti                   | To | H                          |                            |     |                        |  |
| 08B                | inch<br>mm | 0.500<br>12.7     | 0.305<br>7.75  | 0.335<br>8.51      | 0.175<br>4.45  | 0.060<br>1.5         |    | 0.465<br>11.8              | 240<br>394                 | No  | Yes                    |  |

| MAXCO Chain Number | Units | Number of Strands | Pin Lengths |             |             |                | Transverse Pitch TP | Rated Working Load | Minimum Ultimate Strength | Average Ultimate Strength | Average Chain Weight |
|--------------------|-------|-------------------|-------------|-------------|-------------|----------------|---------------------|--------------------|---------------------------|---------------------------|----------------------|
|                    |       |                   | L1          | L2          | LR          | LC             |                     |                    |                           |                           |                      |
|                    |       |                   | Lbs<br>Kg-f | Lbs<br>Kg-f | Lbs<br>Kg-f | Lbs/ft<br>Kg/m |                     |                    |                           |                           |                      |
| 08B                | inch  | 1                 | 0.33        | 0.39        | 0.66        | 0.72           | -                   | 710                | 4,000                     | 4,400                     | 0.41                 |
|                    | mm    |                   | 8.4         | 9.8         | 16.7        | 18.2           | -                   | 323                | 1,820                     | 2,000                     | 0.61                 |
| 08B-2              | inch  | 2                 | 0.60        | 0.65        | 1.20        | 1.26           | 0.548               | 1,210              | 7,000                     | 7,760                     | 0.84                 |
|                    | mm    |                   | 15.3        | 16.6        | 30.6        | 31.9           | 13.92               | 550                | 3,180                     | 3,525                     | 1.26                 |
| 08B-3              | inch  | 3                 | 0.88        | 0.93        | 1.75        | 1.80           | 0.548               | 1,770              | 10,000                    | 11,130                    | 1.26                 |
|                    | mm    |                   | 22.3        | 23.5        | 44.5        | 45.8           | 13.92               | 805                | 4,545                     | 5,060                     | 1.88                 |

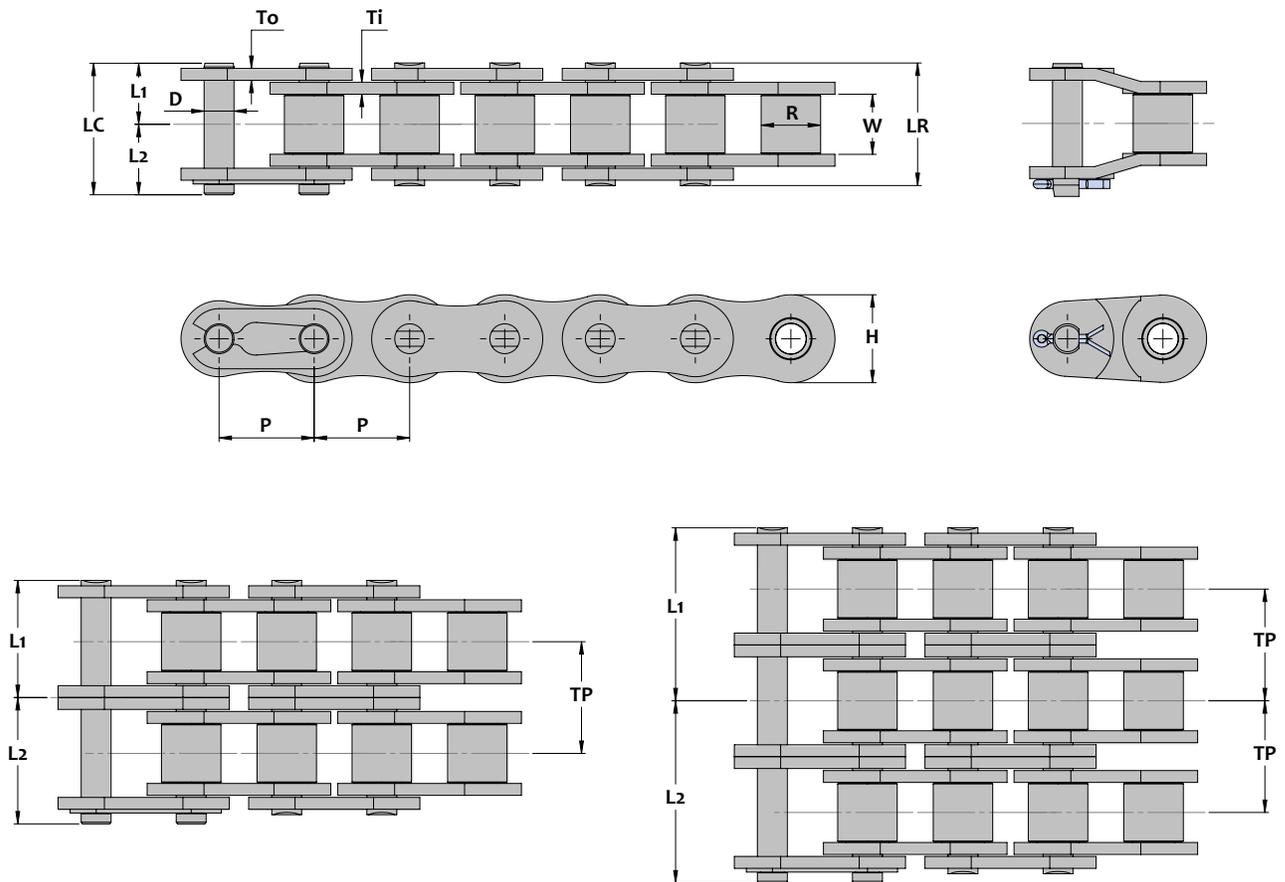
# 10B British Standard ISO Roller Chain



## Chain Dimensions

| MAXCO Chain Number | Units      | Chain Pitch<br>P  | Common Dimensions             |                       |                   |                      |                        |                                   |  | Number of Links in<br>10ft/5m            | Available Construction                 |  |
|--------------------|------------|-------------------|-------------------------------|-----------------------|-------------------|----------------------|------------------------|-----------------------------------|--|--|--|--|
|                    |            |                   | Inside Width<br>W             | Bushing Diameter<br>R | Pin Diameter<br>D | Link Plate Thickness |                        | Roller Link Plate Height<br>H     | Cot                                      |  | Riv                                    |  |
|                    |            |                   |                               |                       |                   | Ti                   | To                     |                                   |  |  |  |  |
| 10B                | inch<br>mm | 0.625<br>15.875   | 0.380<br>9.65                 | 0.400<br>10.16        | 0.200<br>5.08     | 0.065<br>1.65        | 0.579<br>14.7          | 192<br>316                        | No                                       | Yes                                      |  |  |
| MAXCO Chain Number | Units      | Number of Strands | Pin Lengths                   |                       |                   |                      | Transverse Pitch<br>TP | Rated Working Load<br>Lbs<br>Kg-f | Minimum Ultimate Strength<br>Lbs<br>Kg-f | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |  |
|                    |            |                   | L1                            | L2                    | LR                | LC                   |                        |                                   |  |  |  |  |
|                    |            |                   | Pin Lengths and Chain Ratings |                       |                   |                      |                        |                                   |  |  |  |  |
| 10B                | inch<br>mm | 1                 | 0.37<br>9.5                   | 0.44<br>11.2          | 0.75<br>19.0      | 0.81<br>20.7         | -<br>-                 | 1,100<br>500                      | 5,000<br>2,275                           | 5,600<br>2,545                           | 0.60<br>0.89                           |  |
| 10B-2              | inch<br>mm | 2                 | 0.70<br>17.8                  | 0.77<br>19.5          | 1.40<br>35.6      | 1.47<br>37.3         | 0.653<br>16.59         | 1,880<br>855                      | 10,000<br>4,545                          | 11,200<br>5,090                          | 1.20<br>1.79                           |  |
| 10B-3              | inch<br>mm | 3                 | 1.03<br>26.2                  | 1.11<br>28.2          | 2.06<br>52.4      | 2.14<br>54.4         | 0.653<br>16.59         | 2,750<br>1,250                    | 15,000<br>6,820                          | 16,790<br>7,630                          | 1.78<br>2.66                           |  |

# 12B British Standard ISO Roller Chain



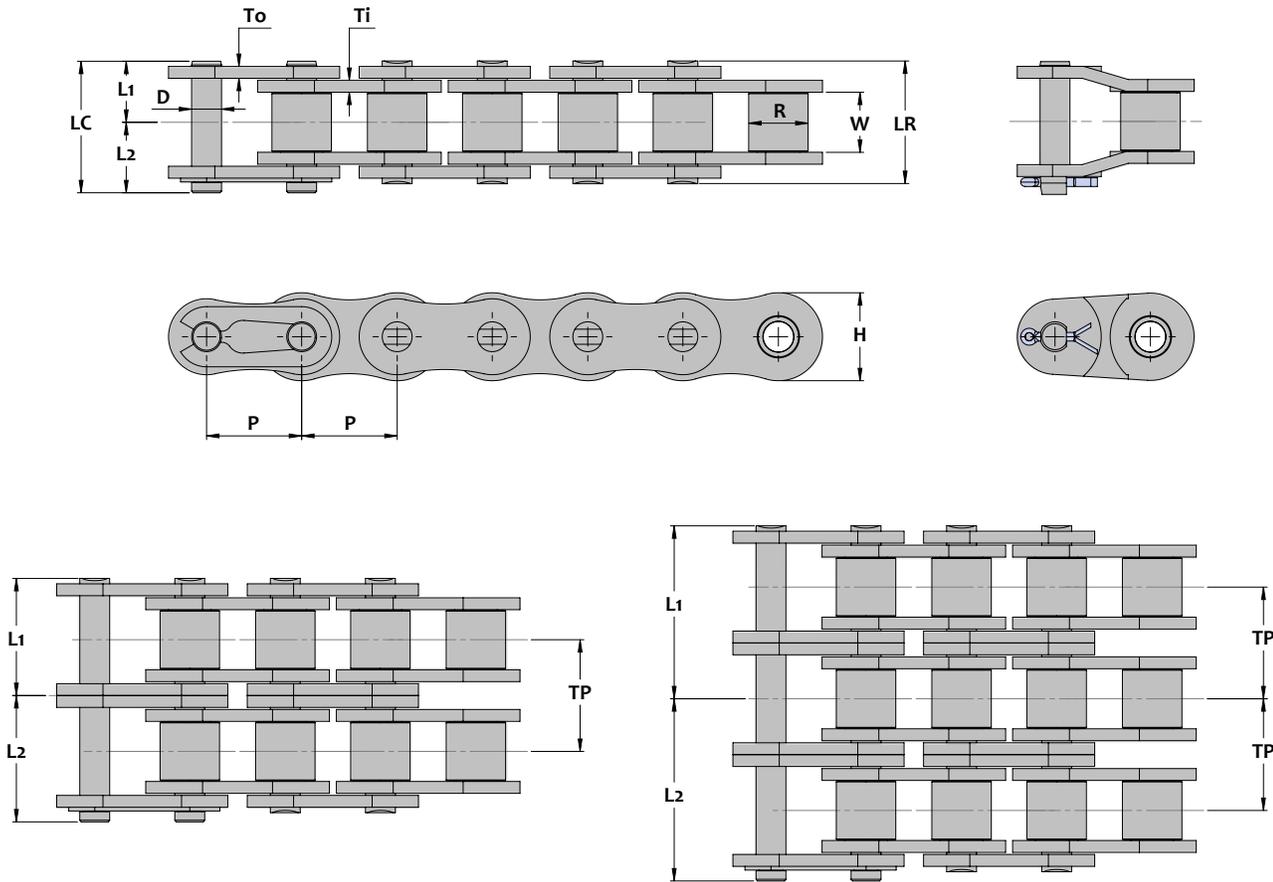
## Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch P | Common Dimensions |                    |                |                      |    |                            |     | Number of Links in 10ft/5m | Available Construction |     |
|--------------------|-------|---------------|-------------------|--------------------|----------------|----------------------|----|----------------------------|-----|----------------------------|------------------------|-----|
|                    |       |               | Inside Width W    | Bushing Diameter R | Pin Diameter D | Link Plate Thickness |    | Roller Link Plate Height H | Cot |                            | Riv                    |     |
|                    |       |               |                   |                    |                | Ti                   | To |                            |     |                            |                        |     |
| 12B                | inch  | 0.750         | 0.460             | 0.475              | 0.225          | 0.070                |    | 0.634                      | 160 | No                         | Yes                    |     |
|                    | mm    | 19.05         | 11.68             | 12.07              | 5.72           | 1.8                  |    | 16.1                       |     |                            |                        | 262 |

| MAXCO Chain Number | Units | Number of Strands | Pin Lengths |      |      |      | Transverse Pitch TP | Rated Working Load | Minimum Ultimate Strength | Average Ultimate Strength | Average Chain Weight |
|--------------------|-------|-------------------|-------------|------|------|------|---------------------|--------------------|---------------------------|---------------------------|----------------------|
|                    |       |                   | L1          | L2   | LR   | LC   |                     |                    |                           |                           |                      |
|                    |       |                   |             |      |      |      |                     |                    |                           |                           |                      |
| 12B                | inch  | 1                 | 0.43        | 0.50 | 0.87 | 0.93 | -                   | 1,590              | 6,500                     | 7,190                     | 0.76                 |
|                    | mm    |                   | 11.0        | 12.6 | 22.0 | 23.6 | -                   | 723                | 2,955                     | 3,270                     | 1.14                 |
| 12B-2              | inch  | 2                 | 0.82        | 0.88 | 1.64 | 1.70 | 0.766               | 2,700              | 13,000                    | 14,390                    | 1.53                 |
|                    | mm    |                   | 20.8        | 22.3 | 41.6 | 43.1 | 19.46               | 1,225              | 5,910                     | 6,540                     | 2.28                 |
| 12B-3              | inch  | 3                 | 1.20        | 1.26 | 2.41 | 2.47 | 0.766               | 3,960              | 19,500                    | 21,580                    | 2.25                 |
|                    | mm    |                   | 30.6        | 32.1 | 61.1 | 62.7 | 19.46               | 1,800              | 8,865                     | 9,810                     | 3.36                 |

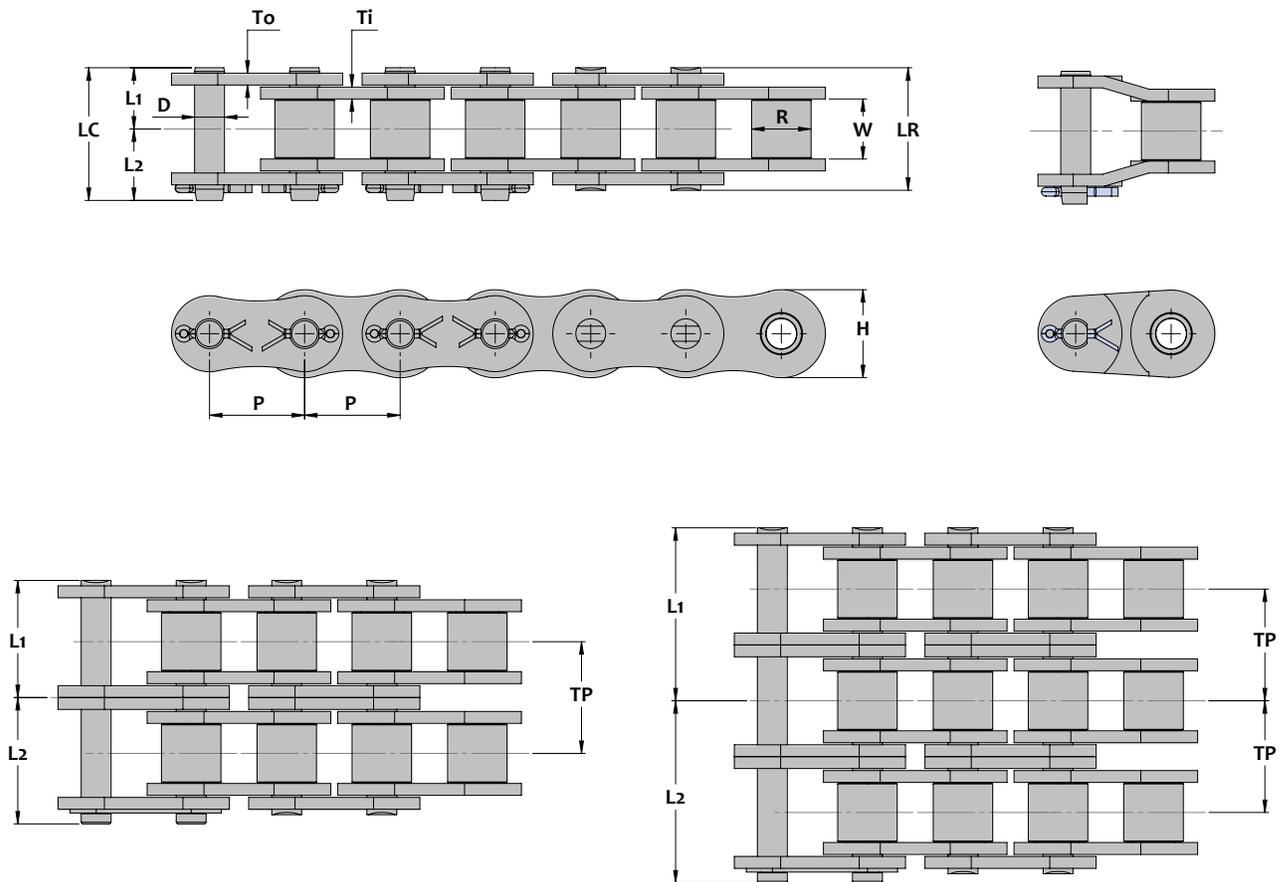
# 16B British Standard ISO Roller Chain



## Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P  | Common Dimensions |                       |                   |                      |                        |                                   |  | Number of Links in<br>10ft/5m            | Available Construction                 |      |
|--------------------|-------|-------------------|-------------------|-----------------------|-------------------|----------------------|------------------------|-----------------------------------|--|--|--|------|
|                    |       |                   | Inside Width<br>W | Bushing Diameter<br>R | Pin Diameter<br>D | Link Plate Thickness |                        | Roller Link Plate Height<br>H     | Cot                                      |  | Riv                                    |      |
|                    |       |                   |                   |                       |                   | Ti                   | To                     |                                   |  |  |  |      |
| 16B                | inch  | 1.000             | 0.670             | 0.625                 | 0.325             | 0.157                | 0.125                  | 0.827                             | 120                                      | No                                       | Yes                                    |      |
|                    | mm    | 25.4              | 17.02             | 15.88                 | 8.26              | 4.0                  | 3.2                    | 21.0                              | 198                                      |  |  |      |
| MAXCO Chain Number | Units | Number of Strands | Pin Lengths       |                       |                   |                      | Transverse Pitch<br>TP | Rated Working Load<br>Lbs<br>Kg-f | Minimum Ultimate Strength<br>Lbs<br>Kg-f | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |      |
|                    |       |                   | L1                | L2                    | LR                | LC                   |                        |                                   |  |  |  |      |
|                    |       |                   | 16B               | inch                  | 1                 | 0.69                 |                        |                                   |  |  |  | 0.81 |
| mm                 | mm    | mm                | 17.6              | 20.6                  | 35.1              | 38.2                 | -                      | 1,675                             | 6,225                                    | 7,000                                    | 2.59                                   |      |
| 16B-2              | inch  | 2                 | 1.32              | 1.44                  | 2.64              | 2.76                 | 1.255                  | 4,810                             | 27,400                                   | 30,300                                   | 3.44                                   |      |
|                    | mm    | mm                | mm                | 33.6                  | 36.5              | 67.2                 | 70.1                   | 31.88                             | 2,185                                    | 12,455                                   | 13,775                                 | 5.13 |
| 16B-3              | inch  | 3                 | 1.95              | 2.08                  | 3.90              | 4.03                 | 1.255                  | 7,100                             | 41,100                                   | 45,010                                   | 5.15                                   |      |
|                    | mm    | mm                | mm                | 49.6                  | 52.9              | 99.2                 | 102.5                  | 31.88                             | 3,225                                    | 18,682                                   | 20,460                                 | 7.68 |

# 20B British Standard ISO Roller Chain

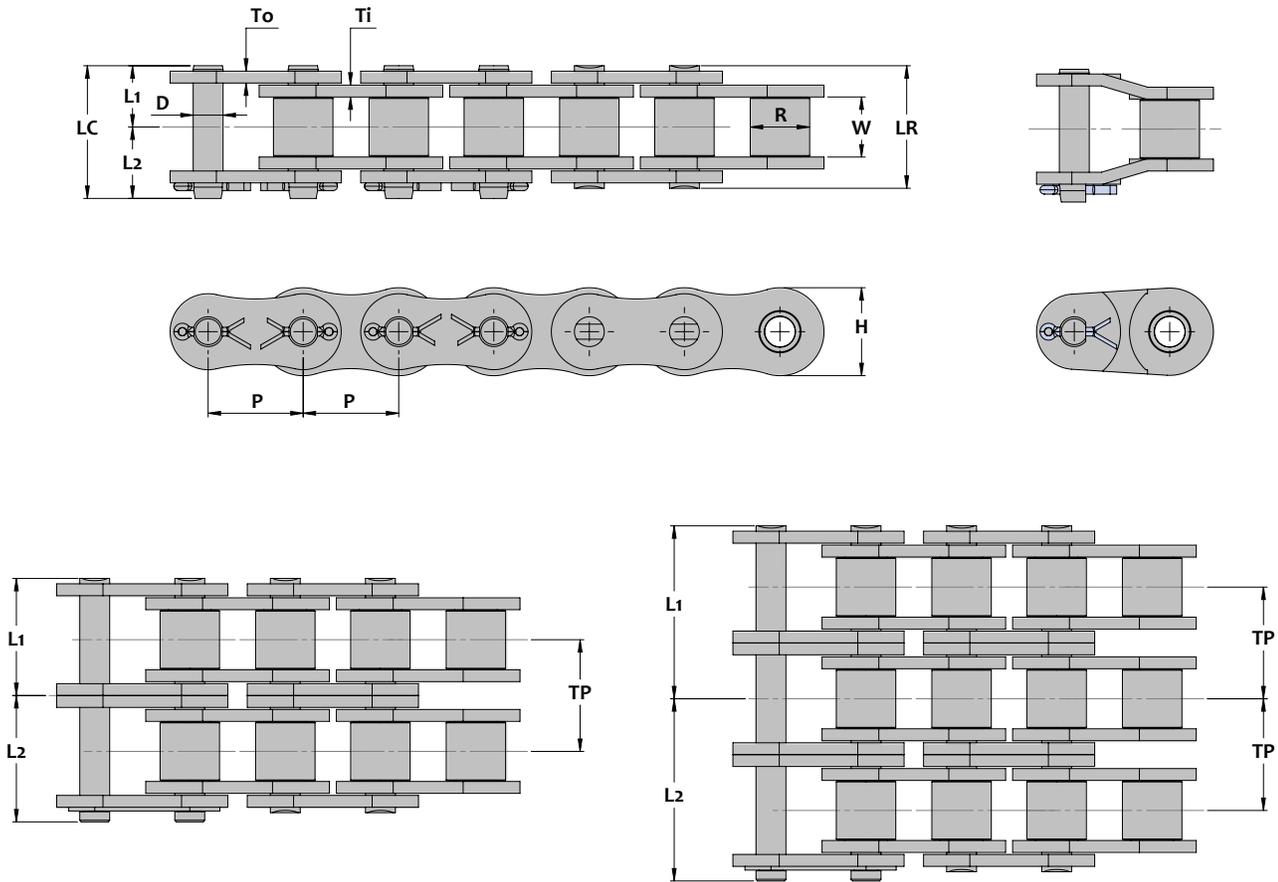


## Chain Dimensions

| MAXCO Chain Number | Units      | Common Dimensions |                |                  |                |                      |              |                          |                            |                        |     |
|--------------------|------------|-------------------|----------------|------------------|----------------|----------------------|--------------|--------------------------|----------------------------|------------------------|-----|
|                    |            | Chain Pitch       | Inside Width   | Bushing Diameter | Pin Diameter   | Link Plate Thickness |              | Roller Link Plate Height | Number of Links in 10ft/5m | Available Construction |     |
|                    |            | P                 | W              | R                | D              | Ti                   | To           | H                        |                            | Cot                    | Riv |
| 20B                | inch<br>mm | 1.250<br>31.75    | 0.770<br>19.56 | 0.750<br>19.05   | 0.400<br>10.16 | 0.177<br>4.5         | 0.138<br>3.5 | 1.039<br>26.4            | 96<br>158                  | Yes                    | Yes |

| MAXCO Chain Number | Units | Number of Strands | Pin Lengths and Chain Ratings |      |       |       |                  |                    |                           |                           |                      |    |
|--------------------|-------|-------------------|-------------------------------|------|-------|-------|------------------|--------------------|---------------------------|---------------------------|----------------------|----|
|                    |       |                   | Pin Lengths                   |      |       |       | Transverse Pitch | Rated Working Load | Minimum Ultimate Strength | Average Ultimate Strength | Average Chain Weight |    |
|                    |       |                   | L1                            | L2   | LR    | LC    |                  |                    |                           |                           |                      | TP |
| 20B                | inch  | 1                 | 0.79                          | 0.94 | 1.58  | 1.73  | -                | 5,740              | 21,400                    | 23,800                    | 2.52                 |    |
|                    | mm    |                   | 20.1                          | 23.9 | 40.2  | 44.0  | -                | 2,610              | 9,725                     | 10,820                    | 3.76                 |    |
| 20B-2              | inch  | 2                 | 1.51                          | 1.66 | 3.02  | 3.17  | 1.435            | 7,490              | 42,000                    | 46,700                    | 4.87                 |    |
|                    | mm    |                   | 38.4                          | 42.2 | 76.8  | 80.6  | 36.45            | 3,405              | 19,090                    | 21,225                    | 7.26                 |    |
| 20B-3              | inch  | 3                 | 2.23                          | 2.38 | 4.46  | 4.61  | 1.435            | 11,020             | 62,600                    | 69,600                    | 7.28                 |    |
|                    | mm    |                   | 56.7                          | 60.5 | 113.4 | 117.2 | 36.45            | 5,010              | 28,455                    | 31,635                    | 10.9                 |    |

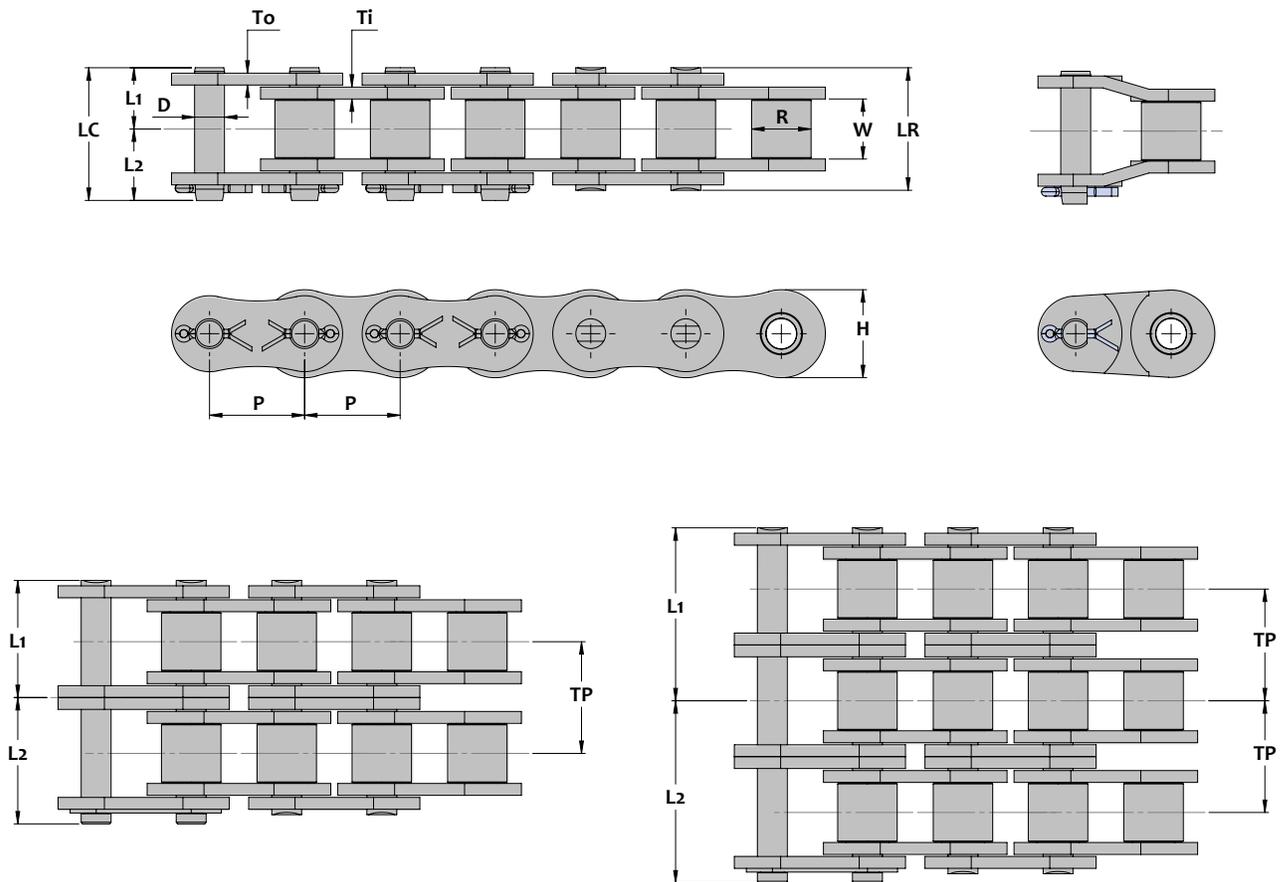
## 24B British Standard ISO Roller Chain



### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P  | Common Dimensions |                       |                   |                      |                        |                                   |  | Number of Links in<br>10ft/5m            | Available Construction                 |      |
|--------------------|-------|-------------------|-------------------|-----------------------|-------------------|----------------------|------------------------|-----------------------------------|--|--|--|------|
|                    |       |                   | Inside Width<br>W | Bushing Diameter<br>R | Pin Diameter<br>D | Link Plate Thickness |                        | Roller Link Plate Height<br>H     | Cot                                      |  | Riv                                    |      |
|                    |       |                   |                   |                       |                   | Ti                   | To                     |                                   |  |  |  |      |
| 24B                | inch  | 1.500             | 1.000             | 1.000                 | 0.576             | 0.232                | 0.193                  | 1.315                             | 80                                       | Yes                                      | Yes                                    |      |
|                    | mm    | 38.10             | 25.4              | 25.4                  | 14.63             | 5.9                  | 4.9                    | 33.4                              | 132                                      |  |  |      |
| MAXCO Chain Number | Units | Number of Strands | Pin Lengths       |                       |                   |                      | Transverse Pitch<br>TP | Rated Working Load<br>Lbs<br>Kg-f | Minimum Ultimate Strength<br>Lbs<br>Kg-f | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |      |
|                    |       |                   | L1                | L2                    | LR                | LC                   |                        |                                   |  |  |  |      |
|                    |       |                   | 24B               | inch                  | 1                 | 1.05                 |                        |                                   |  |  |  | 1.24 |
| mm                 | 26.7  | 31.4              | 53.4              | 58.1                  | -                 | 3,650                | 16,455                 | 18,365                            | 7.29                                     |  |  |      |
| 24B-2              | inch  | 2                 | 2.00              | 2.19                  | 4.00              | 4.19                 | 1.904                  | 10,520                            | 72,400                                   | 80,800                                   | 9.74                                   |      |
|                    | mm    | 50.9              | 55.6              | 101.8                 | 106.5             | 48.36                | 4,780                  | 32,910                            | 36,725                                   | 14.5                                     |  |      |
| 24B-3              | inch  | 3                 | 2.96              | 3.14                  | 5.92              | 6.10                 | 1.904                  | 15,470                            | 108,600                                  | 121,200                                  | 14.6                                   |      |
|                    | mm    | 75.1              | 79.8              | 150.2                 | 154.9             | 48.36                | 7,030                  | 49,365                            | 55,090                                   | 21.8                                     |  |      |

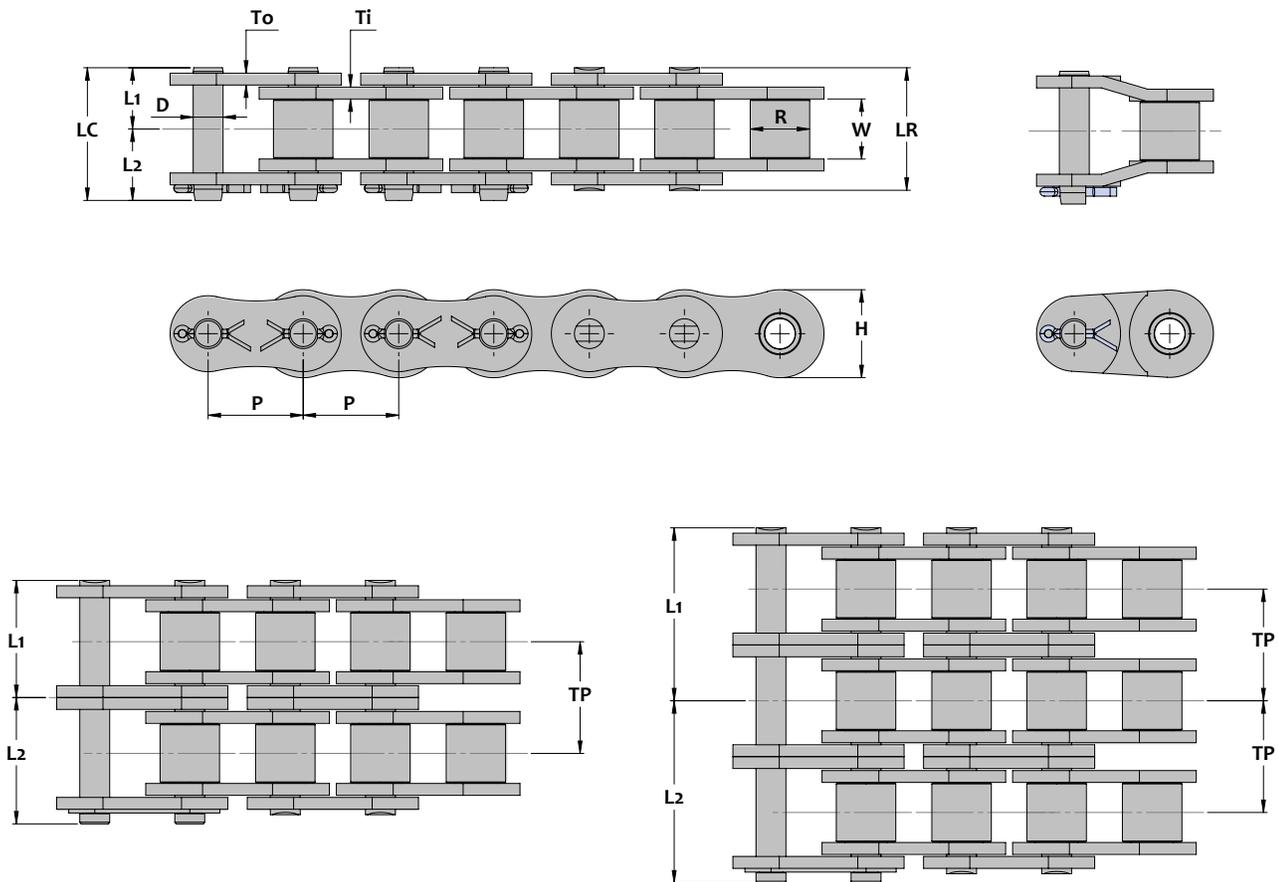
## 28B British Standard ISO Roller Chain



### Chain Dimensions

| Common Dimensions             |       |                   |                   |                       |                   |                      |                        |                                   |  |  |  |
|-------------------------------|-------|-------------------|-------------------|-----------------------|-------------------|----------------------|------------------------|-----------------------------------|--|--|--|
| MAXCO Chain Number            | Units | Chain Pitch<br>P  | Inside Width<br>W | Bushing Diameter<br>R | Pin Diameter<br>D | Link Plate Thickness |                        | Roller Link Plate Height<br>H     | Number of Links in 10ft/5m               | Available Construction                   |  |
|                               |       |                   |                   |                       |                   | Ti                   | To                     |                                   |  | Cot                                      | Riv                                    |
| 28B                           | inch  | 1.750             | 1.220             | 1.100                 | 0.625             | 0.291                | 0.248                  | 1.457                             | 70                                       | Yes                                      | Yes                                    |
|                               | mm    | 44.45             | 31.00             | 27.94                 | 15.88             | 7.4                  | 6.3                    | 37.0                              | 116                                      |  |  |
| Pin Lengths and Chain Ratings |       |                   |                   |                       |                   |                      |                        |                                   |  |  |  |
| MAXCO Chain Number            | Units | Number of Strands | Pin Lengths       |                       |                   |                      | Transverse Pitch<br>TP | Rated Working Load<br>Lbs<br>Kg-f | Minimum Ultimate Strength<br>Lbs<br>Kg-f | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|                               |       |                   | L1                | L2                    | LR                | LC                   |                        |                                   |  |  |  |
| 28B                           | inch  | 1                 | 1.28              | 1.50                  | 2.56              | 2.78                 | -                      | 10,000                            | 45,190                                   | 50,300                                   | 6.21                                   |
|                               | mm    |                   | 32.6              | 37.9                  | 65.2              | 70.5                 | -                      | 4,545                             | 20,540                                   | 22,865                                   | 9.26                                   |
| 28B-2                         | inch  | 2                 | 2.46              | 2.66                  | 4.92              | 5.12                 | 2.345                  | 13,100                            | 85,400                                   | 94,900                                   | 12.4                                   |
|                               | mm    |                   | 62.4              | 67.6                  | 124.8             | 130.0                | 59.56                  | 5,955                             | 38,820                                   | 43,135                                   | 18.5                                   |
| 28B-3                         | inch  | 3                 | 3.63              | 3.83                  | 7.26              | 7.46                 | 2.345                  | 19,290                            | 125,670                                  | 139,400                                  | 18.5                                   |
|                               | mm    |                   | 92.1              | 97.5                  | 184.2             | 189.6                | 59.56                  | 8,770                             | 57,125                                   | 63,635                                   | 27.7                                   |

## 32B British Standard ISO Roller Chain

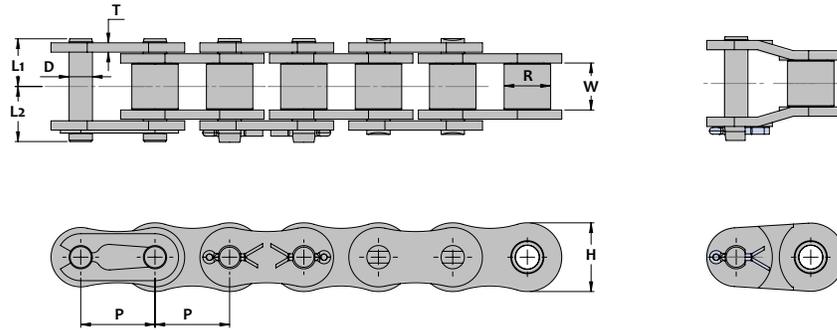


### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P  | Common Dimensions |                       |                   |                      |                        |                                   |  | Number of Links in<br>10ft/5m            | Available Construction                 |  |
|--------------------|-------|-------------------|-------------------|-----------------------|-------------------|----------------------|------------------------|-----------------------------------|--|--|--|--|
|                    |       |                   | Inside Width<br>W | Bushing Diameter<br>R | Pin Diameter<br>D | Link Plate Thickness |                        | Roller Link Plate Height<br>H     | Cot                                      |  | Riv                                    |  |
|                    |       |                   |                   |                       |                   | Ti                   | To                     |                                   |  |  |  |  |
| 32B                | inch  | 2.000             | 1.220             | 1.150                 | 0.700             | 0.272                | 0.248                  | 1.661                             | 60                                       | Yes                                      | Yes                                    |  |
|                    | mm    | 50.80             | 31.00             | 29.21                 | 17.81             | 6.9                  | 6.3                    | 42.2                              | 98                                       |  |  |  |
| MAXCO Chain Number | Units | Number of Strands | Pin Lengths       |                       |                   |                      | Transverse Pitch<br>TP | Rated Working Load<br>Lbs<br>Kg-f | Minimum Ultimate Strength<br>Lbs<br>Kg-f | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |  |
|                    |       |                   | L1                | L2                    | LR                | LC                   |                        |                                   |  |  |  |  |
|                    |       |                   |                   |                       |                   |                      |                        |                                   |  |  |  |  |
| 32B                | inch  | 1                 | 1.28              | 1.52                  | 2.56              | 2.80                 | -                      | 11,460                            | 56,200                                   | 61,600                                   | 6.65                                   |  |
|                    | mm    |                   | 32.5              | 38.6                  | 65.0              | 71.1                 | -                      | 5,210                             | 25,545                                   | 28,000                                   | 9.92                                   |  |
| 32B-2              | inch  | 2                 | 2.43              | 2.68                  | 4.86              | 5.11                 | 2.305                  | 14,970                            | 110,000                                  | 123,000                                  | 13.3                                   |  |
|                    | mm    |                   | 61.7              | 68.0                  | 123.4             | 129.7                | 58.55                  | 6,805                             | 50,000                                   | 55,910                                   | 19.8                                   |  |
| 32B-3              | inch  | 3                 | 3.58              | 3.83                  | 7.16              | 7.41                 | 2.305                  | 22,030                            | 163,600                                  | 184,300                                  | 19.9                                   |  |
|                    | mm    |                   | 91.0              | 97.3                  | 182.0             | 188.3                | 58.55                  | 10,015                            | 74,365                                   | 83,775                                   | 29.6                                   |  |

## CRP Series - Chromium Treated Pin Chains

CRP Series chains possess Hard Chrome Plated pins in order to provide outstanding wear life. The surface hardness of the chromium layer is HV900 - HV1100 (Vickers Hardness) which can double or triple the working lifetime of standard ASME/ANSI roller chains even in highly abrasive applications. These chains operate on standard sprockets and possess the same working capacities in terms of loads or speeds as standard roller chains.



### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              | Pin   |        |      |      |      | Side Plate |        | Rated Working Load<br>Lbs<br>Kg-f | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|------|------|------------|--------|-----------------------------------|--|--|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |      |      |      | Height     | Thick. |                                   |  |  |
|                    |       |                  | R      | W            | D     | L1     | L2   | LR   | LC   | H          | T      |                                   |  |  |
| 40CRP              | inch  | 0.500            | 0.312  | 0.312        | 0.157 | 0.32   | 0.41 | 0.64 | 0.73 | 0.475      | 0.060  | 815                               | 4,190                                    | 0.42                                   |
|                    | mm    | 12.70            | 7.92   | 7.92         | 3.98  | 8.2    | 10.3 | 16.4 | 18.5 | 12.06      | 1.52   | 370                               | 1,905                                    | 0.62                                   |
| 50CRP              | inch  | 0.625            | 0.400  | 0.375        | 0.200 | 0.40   | 0.49 | 0.80 | 0.89 | 0.594      | 0.080  | 1,400                             | 6,830                                    | 0.68                                   |
|                    | mm    | 15.88            | 10.16  | 9.52         | 5.09  | 10.2   | 12.4 | 20.4 | 22.6 | 15.08      | 2.03   | 636                               | 3,105                                    | 1.01                                   |
| 60CRP              | inch  | 0.750            | 0.469  | 0.500        | 0.235 | 0.50   | 0.60 | 1.00 | 1.10 | 0.712      | 0.094  | 2,090                             | 9,260                                    | 0.97                                   |
|                    | mm    | 19.05            | 11.91  | 12.70        | 5.96  | 12.5   | 15.3 | 25.0 | 27.8 | 18.09      | 2.39   | 950                               | 4,210                                    | 1.45                                   |
| 80CRP              | inch  | 1.000            | 0.625  | 0.625        | 0.313 | 0.65   | 0.73 | 1.30 | 1.38 | 0.950      | 0.125  | 3,310                             | 17,600                                   | 1.71                                   |
|                    | mm    | 25.40            | 15.88  | 15.88        | 7.94  | 16.5   | 18.5 | 33.0 | 35.0 | 24.13      | 3.18   | 1,505                             | 8,000                                    | 2.55                                   |
| 100CRP             | inch  | 1.250            | 0.750  | 0.750        | 0.376 | 0.78   | 0.95 | 1.56 | 1.73 | 1.187      | 0.156  | 5,070                             | 23,350                                   | 2.65                                   |
|                    | mm    | 31.75            | 19.05  | 19.05        | 9.54  | 19.8   | 24.1 | 39.6 | 43.9 | 30.2       | 3.96   | 2,305                             | 10,615                                   | 3.95                                   |
| 120CRP             | inch  | 1.500            | 0.875  | 1.000        | 0.437 | 1.01   | 1.17 | 2.02 | 2.18 | 1.425      | 0.187  | 6,830                             | 34,390                                   | 3.78                                   |
|                    | mm    | 38.10            | 22.23  | 25.40        | 11.11 | 25.5   | 29.8 | 51.0 | 55.3 | 36.2       | 4.75   | 3,105                             | 15,630                                   | 5.64                                   |
| 140CRP             | inch  | 1.750            | 1.000  | 1.000        | 0.500 | 1.07   | 1.27 | 2.14 | 2.34 | 1.662      | 0.219  | 9,040                             | 46,300                                   | 4.95                                   |
|                    | mm    | 44.45            | 25.40  | 25.40        | 12.71 | 27.3   | 32.2 | 54.6 | 59.5 | 42.2       | 5.56   | 4,110                             | 21,045                                   | 7.38                                   |
| 160CRP             | inch  | 2.000            | 1.125  | 1.250        | 0.563 | 1.29   | 1.46 | 2.58 | 2.75 | 1.900      | 0.250  | 11,900                            | 57,760                                   | 6.30                                   |
|                    | mm    | 50.80            | 28.58  | 31.75        | 14.29 | 32.8   | 37.1 | 65.6 | 69.9 | 48.26      | 6.35   | 5,410                             | 26,255                                   | 9.40                                   |
| 180CRP             | inch  | 2.250            | 1.406  | 1.406        | 0.687 | 1.44   | 1.66 | 2.88 | 3.10 | 2.137      | 0.281  | 13,670                            | 81,000                                   | 8.50                                   |
|                    | mm    | 57.15            | 35.71  | 35.71        | 17.46 | 36.6   | 42.1 | 73.2 | 78.7 | 54.29      | 7.14   | 6,215                             | 37,045                                   | 12.7                                   |
| 200CRP             | inch  | 2.500            | 1.562  | 1.500        | 0.781 | 1.59   | 1.82 | 3.18 | 3.41 | 2.375      | 0.312  | 16,090                            | 104,000                                  | 10.7                                   |
|                    | mm    | 63.50            | 39.67  | 38.10        | 19.85 | 40.4   | 46.4 | 80.8 | 86.8 | 60.32      | 7.92   | 7,315                             | 47,725                                   | 15.9                                   |

# ASME/ANSI Transmission Series Double Pitch Roller Chain

Double Pitch roller chains are produced in accordance with the ASME/ANSI B29.3 (Transmission Series) and B29.4 (Conveyor Series) American roller chain standards. In general these chains are similar to ASME/ANSI standard products except that the pitch is double. They are available in Transmission Series, Conveyor Series with Standard (small) Rollers and Conveyor Series with Large (oversized) Rollers.

## Transmission Series

This series is often used on drives with slow to moderate speeds, low chain loads and long center distances. Side plates have a figure "8" contour. The chain number is obtained by adding 2000 to the ASME/ANSI chain number and the prefix letter "A". Note that some companies do not use a prefix letter for this series so the chains may be represented as A2040, A2050 etc. or 2040, 2050 etc.

## Conveyor Series with Standard (small) Rollers

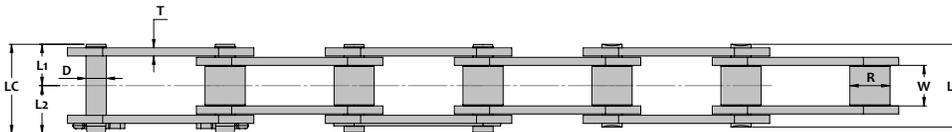
This series is often used on light to moderate load material handling conveyors with or without attachment links. The side plate contour is straight for improved sliding properties. Pitch sizes of 1-1/2" and larger have "Heavy" series link plates (i.e. link plates of the next larger chain size). The chain number is found by adding 2000 to the ASME/ANSI chain number and the prefix letter "C". Chains with the "heavy" type side plates use a suffix letter "H".

## Conveyor Series with Large (oversized) Rollers

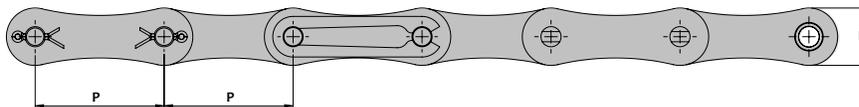
These chains possess large rollers so that the chain rolls on a conveyor track reducing friction. Chain numbers are found in the same way as noted above except that the last digit on the chain number is changed from "0" to "2" which denotes the large roller.

## Sprockets

In general sprockets should be produced specially for these chains according to the ASME/ANSI B29.3 and B29.4 standards however, for Transmission Series and Conveyor Series with Standard (small) Rollers, ASME/ANSI B29.1 Standard roller chain sprockets may be used provided the number of teeth is 30 or more.



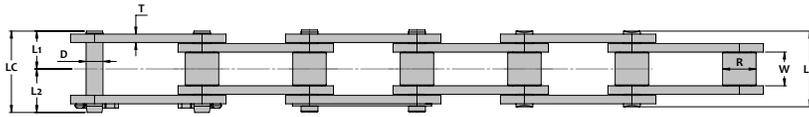
Transmission Series



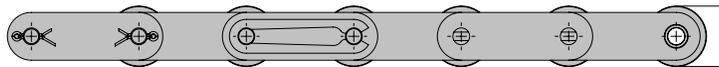
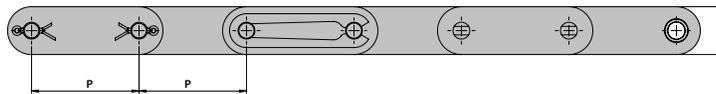
## Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller    |                   | Pin       |        |      |      |      | Side Plate  |             | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-----------|-------------------|-----------|--------|------|------|------|-------------|-------------|--|-----------------------------------|--|
|                    |       |                  | Dia.<br>R | Inside Width<br>W | Dia.<br>D | Length |      |      |      | Height<br>H | Thick.<br>T |  |                                   |  |
|                    |       |                  |           |                   |           | L1     | L2   | LR   | LC   |             |             |  |                                   |  |
| A2040              | inch  | 1.000            | 0.312     | 0.313             | 0.156     | 0.33   | 0.38 | 0.65 | 0.70 | 0.449       | 0.060       | 3,800                                    | 815                               | 0.29                                   |
|                    | mm    | 25.40            | 7.92      | 7.95              | 3.96      | 8.3    | 9.6  | 16.6 | 17.9 | 11.4        | 1.5         | 1,725                                    | 370                               | 0.43                                   |
| A2050              | inch  | 1.250            | 0.400     | 0.375             | 0.200     | 0.40   | 0.46 | 0.80 | 0.87 | 0.591       | 0.080       | 6,200                                    | 1,410                             | 0.49                                   |
|                    | mm    | 31.75            | 10.16     | 9.53              | 5.08      | 10.2   | 11.8 | 20.4 | 22.0 | 15.0        | 2.0         | 2,820                                    | 641                               | 0.73                                   |
| A2060              | inch  | 1.500            | 0.469     | 0.500             | 0.234     | 0.50   | 0.56 | 1.01 | 1.06 | 0.669       | 0.094       | 9,050                                    | 1,940                             | 0.69                                   |
|                    | mm    | 38.10            | 11.91     | 12.70             | 5.95      | 12.8   | 14.1 | 25.6 | 26.9 | 17.0        | 2.4         | 4,115                                    | 882                               | 1.03                                   |
| A2080              | inch  | 2.000            | 0.625     | 0.625             | 0.312     | 0.65   | 0.74 | 1.29 | 1.39 | 0.890       | 0.126       | 15,500                                   | 3,305                             | 1.15                                   |
|                    | mm    | 50.80            | 15.88     | 15.88             | 7.93      | 16.4   | 18.8 | 32.8 | 35.2 | 22.6        | 3.2         | 7,045                                    | 1,500                             | 1.71                                   |

# ASME/ANSI Conveyor Series Double Pitch Roller Chain



Standard Roller



Large Roller

## Chain Dimensions - Standard Roller

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller   |                   | Dia<br>D | Pin    |             |             |      | Side Plate |       | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|----------|-------------------|----------|--------|-------------|-------------|------|------------|-------|--|-----------------------------------|--|
|                    |       |                  | Dia<br>R | Inside Width<br>W |          | Length | Height<br>H | Thick.<br>T |      |            |       |  |                                   |  |
|                    |       |                  |          |                   |          |        |             |             | L1   | L2         | LR    |  |                                   |  |
| C2040              | inch  | 1.000            | 0.312    | 0.313             | 0.156    | 0.32   | 0.41        | 0.65        | 0.73 | 0.449      | 0.060 | 3,800                                    | 815                               | 0.32                                   |
|                    | mm    | 25.40            | 7.92     | 7.95              | 3.96     | 8.2    | 10.3        | 16.4        | 18.5 | 11.4       | 1.5   | 1,725                                    | 370                               | 0.48                                   |
| C2050              | inch  | 1.250            | 0.400    | 0.375             | 0.200    | 0.40   | 0.46        | 0.80        | 0.87 | 0.591      | 0.080 | 6,200                                    | 1,410                             | 0.55                                   |
|                    | mm    | 31.75            | 10.16    | 9.53              | 5.08     | 10.2   | 11.8        | 20.4        | 22.0 | 15.0       | 2.0   | 2,820                                    | 641                               | 0.82                                   |
| C2060H             | inch  | 1.500            | 0.469    | 0.500             | 0.234    | 0.57   | 0.65        | 1.13        | 1.22 | 0.669      | 0.126 | 9,050                                    | 1,940                             | 0.93                                   |
|                    | mm    | 38.10            | 11.91    | 12.70             | 5.95     | 14.4   | 16.6        | 28.8        | 31.0 | 17.0       | 3.2   | 4,115                                    | 882                               | 1.38                                   |
| C2080H             | inch  | 2.000            | 0.625    | 0.625             | 0.312    | 0.70   | 0.83        | 1.40        | 1.53 | 0.890      | 0.157 | 15,500                                   | 3,305                             | 1.56                                   |
|                    | mm    | 50.80            | 15.88    | 15.88             | 7.93     | 17.8   | 21.0        | 35.6        | 38.8 | 22.6       | 4.0   | 7,045                                    | 1,500                             | 2.32                                   |
| C2100H             | inch  | 2.500            | 0.750    | 0.750             | 0.375    | 0.83   | 0.97        | 1.66        | 1.80 | 1.126      | 0.189 | 24,300                                   | 5,080                             | 2.32                                   |
|                    | mm    | 63.50            | 19.05    | 19.05             | 9.53     | 21.1   | 24.6        | 42.2        | 45.7 | 28.6       | 4.8   | 11,045                                   | 2,310                             | 3.46                                   |
| C2120H             | inch  | 3.000            | 0.875    | 1.000             | 0.437    | 1.04   | 1.21        | 2.07        | 2.24 | 1.374      | 0.220 | 34,000                                   | 6,830                             | 3.30                                   |
|                    | mm    | 76.20            | 22.23    | 25.40             | 11.10    | 26.3   | 30.7        | 52.6        | 57.0 | 34.9       | 5.6   | 15,455                                   | 3,105                             | 4.92                                   |
| C2160H             | inch  | 4.000            | 1.125    | 1.250             | 0.562    | 1.33   | 1.54        | 2.67        | 2.87 | 1.874      | 0.283 | 58,000                                   | 11,910                            | 5.38                                   |
|                    | mm    | 101.60           | 28.58    | 31.75             | 14.28    | 33.9   | 39.0        | 67.8        | 72.9 | 47.6       | 7.2   | 26,365                                   | 5,415                             | 8.02                                   |

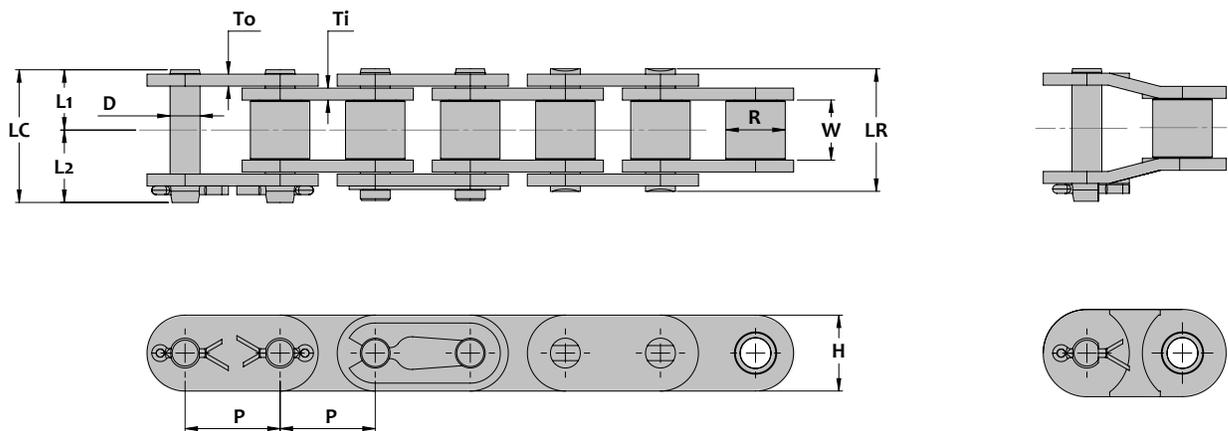
## Chain Dimensions - Large Roller

|        |      |        |       |       |       |      |      |      |      |       |       |        |        |      |
|--------|------|--------|-------|-------|-------|------|------|------|------|-------|-------|--------|--------|------|
| C2042  | inch | 1.000  | 0.625 | 0.313 | 0.156 | 0.32 | 0.41 | 0.65 | 0.73 | 0.449 | 0.060 | 3,800  | 815    | 0.55 |
|        | mm   | 25.40  | 15.88 | 7.95  | 3.96  | 8.2  | 10.3 | 16.4 | 18.5 | 11.4  | 1.5   | 1,725  | 370    | 0.82 |
| C2052  | inch | 1.250  | 0.750 | 0.375 | 0.200 | 0.40 | 0.46 | 0.80 | 0.87 | 0.591 | 0.080 | 6,200  | 1,410  | 0.84 |
|        | mm   | 31.75  | 19.05 | 9.53  | 5.08  | 10.2 | 11.8 | 20.4 | 22.0 | 15.0  | 2.0   | 2,820  | 641    | 1.26 |
| C2062H | inch | 1.500  | 0.875 | 0.500 | 0.234 | 0.57 | 0.65 | 1.13 | 1.22 | 0.669 | 0.126 | 9,050  | 1,940  | 1.39 |
|        | mm   | 38.10  | 22.23 | 12.70 | 5.95  | 14.4 | 16.6 | 28.8 | 31.0 | 17.0  | 3.2   | 4,115  | 882    | 2.08 |
| C2082H | inch | 2.000  | 1.125 | 0.625 | 0.312 | 0.70 | 0.83 | 1.40 | 1.53 | 0.890 | 0.157 | 15,500 | 3,305  | 2.25 |
|        | mm   | 50.80  | 28.58 | 15.88 | 7.93  | 17.8 | 21.0 | 35.6 | 38.8 | 22.6  | 4.0   | 7,045  | 1,500  | 3.36 |
| C2102H | inch | 2.500  | 1.562 | 0.750 | 0.375 | 0.83 | 0.97 | 1.66 | 1.80 | 1.126 | 0.189 | 24,300 | 5,080  | 3.78 |
|        | mm   | 63.50  | 39.67 | 19.05 | 9.53  | 21.1 | 24.6 | 42.2 | 45.7 | 28.6  | 4.8   | 11,045 | 2,310  | 5.64 |
| C2122H | inch | 3.000  | 1.750 | 1.000 | 0.437 | 1.04 | 1.21 | 2.07 | 2.24 | 1.374 | 0.220 | 34,000 | 6,830  | 5.28 |
|        | mm   | 76.20  | 44.45 | 25.40 | 11.10 | 26.3 | 30.7 | 52.6 | 57.0 | 34.9  | 5.6   | 15,455 | 3,105  | 7.87 |
| C2162H | inch | 4.000  | 2.250 | 1.250 | 0.562 | 1.33 | 1.54 | 2.67 | 2.87 | 1.874 | 0.283 | 58,000 | 11,910 | 8.56 |
|        | mm   | 101.60 | 57.15 | 31.75 | 14.28 | 33.9 | 39.0 | 67.8 | 72.9 | 47.6  | 7.2   | 26,365 | 5,415  | 12.8 |



## ISO 606B British Standard Straight (Flat) Side Bar Roller Chain

ISO 606B British Standard Straight (Flat) Side Bar roller chains are identical to ISO 606B British Standard chains except that the side bar is straight (flat) rather than contoured. These chains are most often used for light to moderate duty material handling conveyors where the side bars are allowed to slide on a conveyor track. The straight side bar design also allows unit materials to sit on top of the chains easily in conveyor applications. The suffix "F" is used after the chain number to denote this series.

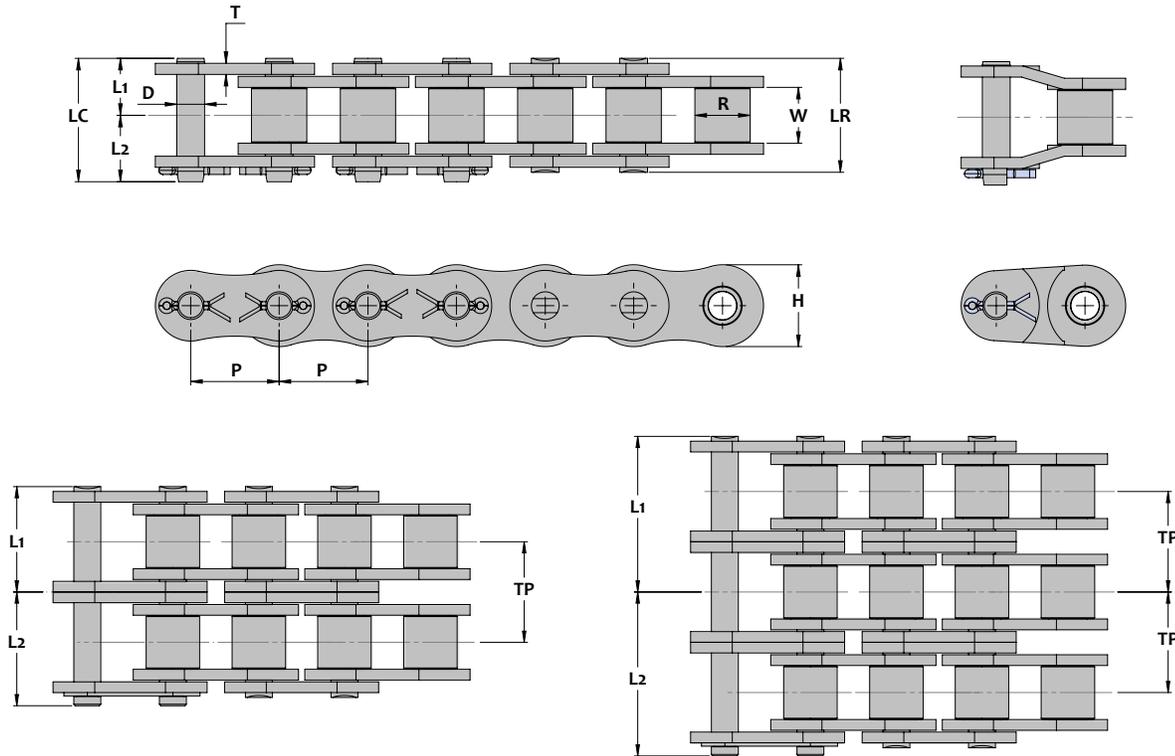


### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |          | Pin      |        |      |      |      | Side Plate  |           | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |      |
|--------------------|-------|------------------|-------------------|----------|----------|--------|------|------|------|-------------|-----------|--|-----------------------------------|--|------|
|                    |       |                  | Inside Width<br>W | Dia<br>R | Dia<br>D | Length |      |      |      | Height<br>H | Thickness |  |                                   |  |      |
|                    |       |                  |                   |          |          | L1     | L2   | LR   | LC   |             | Ti        |  |                                   |  | To   |
| 08BF               | inch  | 0.500            | 0.305             | 0.335    | 0.175    | 0.33   | 0.38 | 0.66 | 0.71 | 0.465       | 0.060     | 4,400                                    | 710                               | 0.46                                   |      |
|                    | mm    | 12.70            | 8.51              | 8.51     | 4.45     | 8.4    | 9.6  | 16.8 | 18.0 | 11.8        | 1.50      | 2,000                                    | 323                               | 0.68                                   |      |
| 10BF               | inch  | 0.625            | 0.380             | 0.400    | 0.200    | 0.37   | 0.44 | 0.75 | 0.81 | 0.579       | 0.065     | 5,600                                    | 1,100                             | 0.66                                   |      |
|                    | mm    | 15.875           | 9.65              | 10.16    | 5.08     | 9.5    | 11.2 | 19.0 | 20.7 | 14.7        | 1.65      | 2,545                                    | 500                               | 0.99                                   |      |
| 12BF               | inch  | 0.750            | 0.460             | 0.475    | 0.225    | 0.43   | 0.50 | 0.87 | 0.93 | 0.634       | 0.071     | 7,190                                    | 1,590                             | 0.85                                   |      |
|                    | mm    | 19.05            | 11.68             | 12.07    | 5.72     | 11.0   | 12.6 | 22.0 | 23.6 | 16.1        | 1.8       | 3,270                                    | 723                               | 1.27                                   |      |
| 16BF               | inch  | 1.000            | 0.673             | 0.625    | 0.325    | 0.69   | 0.81 | 1.39 | 1.50 | 0.921       | 0.157     | 0.125                                    | 15,400                            | 2,835                                  | 1.94 |
|                    | mm    | 25.40            | 17.1              | 15.88    | 8.26     | 17.6   | 20.5 | 35.2 | 38.1 | 23.4        | 4.0       | 3.2                                      | 7,000                             | 1,290                                  | 2.90 |
| 20BF               | inch  | 1.250            | 0.772             | 0.750    | 0.400    | 0.79   | 0.94 | 1.58 | 1.73 | 1.154       | 0.177     | 0.138                                    | 23,800                            | 4,405                                  | 2.82 |
|                    | mm    | 31.75            | 19.6              | 19.05    | 10.16    | 20.1   | 23.9 | 40.2 | 44.0 | 29.3        | 4.5       | 3.5                                      | 10,820                            | 2,000                                  | 4.21 |
| 24BF               | inch  | 1.500            | 1.000             | 1.000    | 0.576    | 1.05   | 1.24 | 2.10 | 2.29 | 1.382       | 0.232     | 0.193                                    | 40,400                            | 6,180                                  | 5.47 |
|                    | mm    | 38.10            | 25.4              | 25.40    | 14.63    | 26.7   | 31.4 | 53.4 | 58.1 | 35.1        | 5.9       | 4.9                                      | 18,365                            | 2,810                                  | 8.16 |
| 28BF               | inch  | 1.750            | 1.220             | 1.100    | 0.625    | 1.28   | 1.49 | 2.57 | 2.78 | 1.610       | 0.291     | 0.248                                    | 50,300                            | 7,710                                  | 6.95 |
|                    | mm    | 44.45            | 31.0              | 27.94    | 15.88    | 32.6   | 37.9 | 65.2 | 70.5 | 40.9        | 7.4       | 6.3                                      | 22,865                            | 3,505                                  | 10.4 |
| 32BF               | inch  | 2.000            | 1.244             | 1.125    | 0.701    | 1.28   | 1.52 | 2.56 | 2.80 | 1.839       | 0.272     | 0.248                                    | 61,600                            | 8,815                                  | 7.45 |
|                    | mm    | 50.80            | 31.6              | 28.58    | 17.81    | 32.5   | 38.6 | 65.0 | 71.1 | 46.7        | 6.9       | 6.3                                      | 28,000                            | 4,005                                  | 11.1 |

# ASME/ANSI Heavy (H) Series Roller Chain

Heavy Series roller chains are built for power transmission applications that require additional shock load capacity or link plate strength. They are dimensionally equivalent to ASME/ANSI standard chains except that link plates are one size thicker. Single strand chains operate on standard sprockets however multiple strand chains require special sprockets due to their increased transverse pitch. The suffix "H" is used after the chain number to denote this series.



Chain Dimensions - Single Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller   |                   | Dia<br>D | Pin    |      |      |      | Side Plate  |             | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|----------|-------------------|----------|--------|------|------|------|-------------|-------------|--|-----------------------------------|--|
|                    |       |                  | Dia<br>R | Inside Width<br>W |          | Length |      |      |      | Height<br>H | Thick.<br>T |  |                                   |  |
|                    |       |                  |          |                   |          | L1     | L2   | LR   | LC   |             |             |  |                                   |  |
| 60H                | inch  | 0.750            | 0.469    | 0.500             | 0.234    | 0.57   | 0.65 | 1.13 | 1.21 | 0.689       | 0.126       | 12,300                                   | 2,405                             | 1.21                                   |
|                    | mm    | 19.05            | 11.91    | 12.70             | 5.94     | 14.4   | 16.4 | 28.8 | 30.8 | 17.5        | 3.2         | 5,590                                    | 1,095                             | 1.80                                   |
| 80H                | inch  | 1.000            | 0.625    | 0.625             | 0.312    | 0.70   | 0.82 | 1.41 | 1.52 | 0.921       | 0.157       | 20,300                                   | 4,135                             | 1.88                                   |
|                    | mm    | 25.40            | 15.88    | 15.88             | 7.92     | 17.9   | 20.8 | 35.7 | 38.7 | 23.4        | 4.0         | 9,225                                    | 1,880                             | 2.81                                   |
| 100H               | inch  | 1.250            | 0.750    | 0.750             | 0.375    | 0.83   | 0.97 | 1.67 | 1.81 | 1.154       | 0.188       | 30,800                                   | 6,360                             | 2.78                                   |
|                    | mm    | 31.75            | 19.05    | 19.05             | 9.53     | 21.2   | 24.7 | 42.4 | 45.9 | 29.3        | 4.8         | 14,000                                   | 2,890                             | 4.14                                   |
| 120H               | inch  | 1.500            | 0.875    | 1.000             | 0.437    | 1.04   | 1.21 | 2.08 | 2.25 | 1.382       | 0.220       | 41,800                                   | 8,540                             | 3.91                                   |
|                    | mm    | 38.10            | 22.23    | 25.40             | 11.10    | 26.4   | 30.8 | 52.8 | 57.2 | 35.1        | 5.6         | 19,000                                   | 3,880                             | 5.83                                   |
| 140H               | inch  | 1.750            | 1.000    | 1.000             | 0.500    | 1.13   | 1.31 | 2.25 | 2.43 | 1.610       | 0.250       | 54,200                                   | 11,310                            | 5.64                                   |
|                    | mm    | 44.45            | 25.40    | 25.40             | 12.70    | 28.6   | 33.2 | 57.2 | 61.8 | 40.9        | 6.4         | 24,635                                   | 5,140                             | 8.41                                   |
| 160H               | inch  | 2.000            | 1.125    | 1.250             | 0.562    | 1.34   | 1.54 | 2.68 | 2.87 | 1.839       | 0.283       | 68,800                                   | 14,900                            | 7.28                                   |
|                    | mm    | 50.80            | 28.58    | 31.75             | 14.27    | 34.0   | 39.0 | 67.9 | 73.0 | 46.7        | 7.2         | 31,275                                   | 6,775                             | 10.9                                   |
| 180H               | inch  | 2.250            | 1.406    | 1.406             | 0.687    | 1.49   | 1.72 | 2.98 | 3.21 | 2.067       | 0.315       | 83,900                                   | 15,870                            | 10.2                                   |
|                    | mm    | 57.15            | 35.71    | 35.71             | 17.45    | 37.8   | 43.7 | 75.6 | 81.5 | 52.5        | 8.0         | 38,135                                   | 7,215                             | 15.2                                   |
| 200H               | inch  | 2.500            | 1.562    | 1.500             | 0.781    | 1.67   | 2.01 | 3.34 | 3.68 | 2.354       | 0.374       | 116,900                                  | 18,500                            | 12.0                                   |
|                    | mm    | 63.50            | 39.67    | 38.10             | 19.84    | 42.4   | 51.0 | 84.8 | 93.4 | 59.8        | 9.5         | 53,135                                   | 8,410                             | 17.9                                   |



## ASME/ANSI Heavy (H) Series Roller Chain

### Chain Dimensions - Double Strand

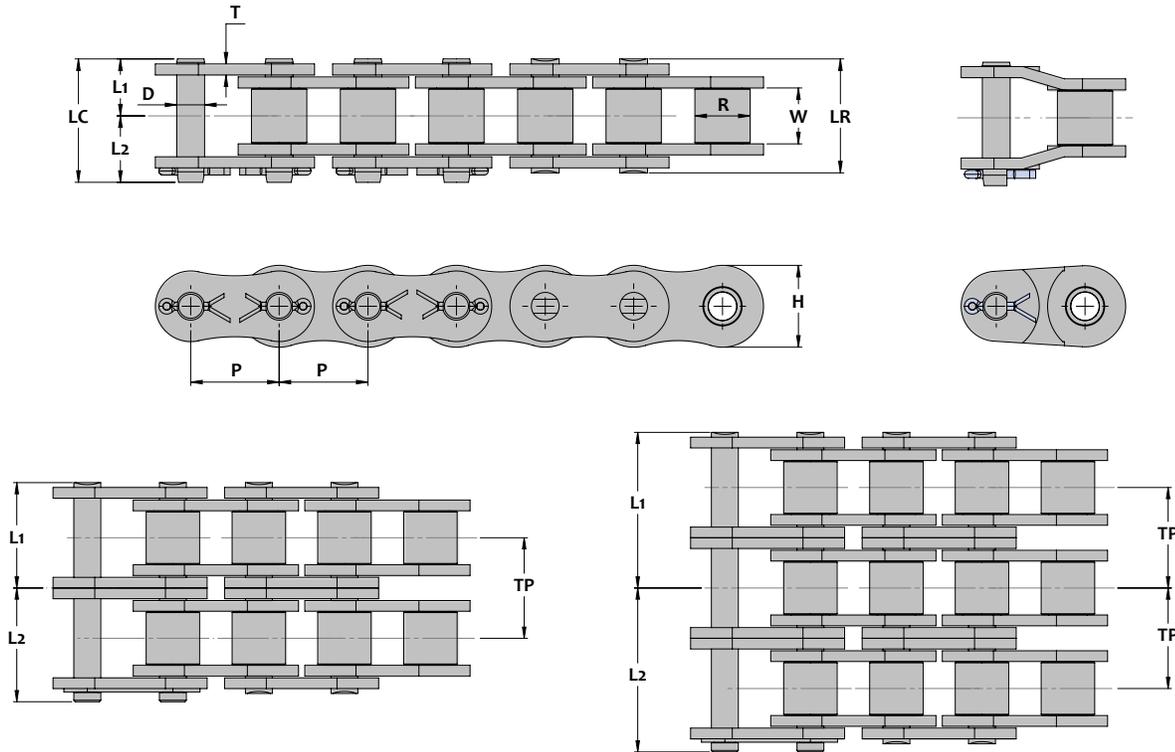
| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |      |       |       | Side Plate |        | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|-------|-------|------------|--------|--------------------|--|-----------------------------------|--|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |      |       |       | Height     | Thick. |                    |  |                                   |  |
|                    |       |                  | R      | W            | D     | L1     | L2   | LR    | LC    | H          | T      |                    |  |                                   |  |
| 60H-2              | inch  | 0.750            | 0.469  | 0.500        | 0.234 | 1.08   | 1.17 | 2.16  | 2.24  | 0.689      | 0.126  | 1.028              | 24,600                                   | 3,415                             | 2.41                                   |
|                    | mm    | 19.05            | 11.91  | 12.70        | 5.94  | 27.4   | 29.6 | 54.8  | 57.0  | 17.5       | 3.2    | 26.1               | 11,180                                   | 1,550                             | 3.59                                   |
| 80H-2              | inch  | 1.000            | 0.625  | 0.625        | 0.312 | 1.35   | 1.46 | 2.69  | 2.81  | 0.921      | 0.157  | 1.283              | 40,600                                   | 5,800                             | 3.71                                   |
|                    | mm    | 25.40            | 15.88  | 15.88        | 7.92  | 34.2   | 37.1 | 68.4  | 71.3  | 23.4       | 4.0    | 32.6               | 18,455                                   | 2,635                             | 5.54                                   |
| 100H-2             | inch  | 1.250            | 0.750  | 0.750        | 0.375 | 1.61   | 1.74 | 3.21  | 3.35  | 1.154      | 0.188  | 1.539              | 61,600                                   | 8,790                             | 5.5                                    |
|                    | mm    | 31.75            | 19.05  | 19.05        | 9.53  | 40.8   | 44.2 | 81.6  | 85.0  | 29.3       | 4.8    | 39.1               | 28,000                                   | 3,995                             | 8.2                                    |
| 120H-2             | inch  | 1.500            | 0.875  | 1.000        | 0.437 | 2.01   | 2.17 | 4.02  | 4.18  | 1.382      | 0.220  | 1.925              | 83,600                                   | 12,000                            | 7.75                                   |
|                    | mm    | 38.10            | 22.23  | 25.40        | 11.10 | 51.0   | 55.1 | 102.0 | 106.1 | 35.1       | 5.6    | 48.9               | 38,000                                   | 5,455                             | 11.6                                   |
| 140H-2             | inch  | 1.750            | 1.000  | 1.000        | 0.500 | 2.15   | 2.33 | 4.31  | 4.49  | 1.610      | 0.250  | 2.055              | 108,400                                  | 15,730                            | 11.1                                   |
|                    | mm    | 44.45            | 25.40  | 25.40        | 12.70 | 54.7   | 59.3 | 109.4 | 114.0 | 40.9       | 6.4    | 52.2               | 49,275                                   | 7,150                             | 16.6                                   |
| 160H-2             | inch  | 2.000            | 1.125  | 1.250        | 0.562 | 2.56   | 2.76 | 5.11  | 5.31  | 1.839      | 0.283  | 2.437              | 137,600                                  | 20,970                            | 14.2                                   |
|                    | mm    | 50.80            | 28.58  | 31.75        | 14.27 | 64.9   | 70.0 | 129.8 | 134.9 | 46.7       | 7.2    | 61.9               | 62,545                                   | 9,530                             | 21.2                                   |
| 180H-2             | inch  | 2.250            | 1.406  | 1.406        | 0.687 | 2.84   | 3.06 | 5.68  | 5.90  | 2.067      | 0.315  | 2.700              | 167,800                                  | 22,930                            | 20.8                                   |
|                    | mm    | 57.15            | 35.71  | 35.71        | 17.45 | 72.1   | 77.7 | 144.2 | 149.8 | 52.5       | 8.0    | 68.6               | 76,275                                   | 10,425                            | 31.1                                   |
| 200H-2             | inch  | 2.500            | 1.562  | 1.500        | 0.781 | 3.21   | 3.56 | 6.43  | 6.77  | 2.354      | 0.374  | 3.083              | 233,800                                  | 28,550                            | 23.6                                   |
|                    | mm    | 63.50            | 39.67  | 38.10        | 19.84 | 81.6   | 90.4 | 163.2 | 172.0 | 59.8       | 9.5    | 78.3               | 106,275                                  | 12,975                            | 35.2                                   |

### Chain Dimensions - Triple Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |       |       |       | Side Plate |        | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|-------|-------|-------|------------|--------|--------------------|--|-----------------------------------|--|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |       |       |       | Height     | Thick. |                    |  |                                   |  |
|                    |       |                  | R      | W            | D     | L1     | L2    | LR    | LC    | H          | T      |                    |  |                                   |  |
| 60H-3              | inch  | 0.750            | 0.469  | 0.500        | 0.234 | 1.59   | 1.69  | 3.17  | 3.27  | 0.689      | 0.126  | 1.028              | 36,900                                   | 5,010                             | 3.61                                   |
|                    | mm    | 19.05            | 11.91  | 12.70        | 5.94  | 40.3   | 42.8  | 80.6  | 83.1  | 17.5       | 3.2    | 26.1               | 16,775                                   | 2,275                             | 5.39                                   |
| 80H-3              | inch  | 1.000            | 0.625  | 0.625        | 0.312 | 1.99   | 2.11  | 3.98  | 4.09  | 0.921      | 0.157  | 1.283              | 60,900                                   | 8,540                             | 5.54                                   |
|                    | mm    | 25.40            | 15.88  | 15.88        | 7.92  | 50.5   | 53.5  | 101.0 | 104.0 | 23.4       | 4.0    | 32.6               | 27,680                                   | 3,880                             | 8.26                                   |
| 100H-3             | inch  | 1.250            | 0.750  | 0.750        | 0.375 | 2.38   | 2.52  | 4.76  | 4.90  | 1.154      | 0.188  | 1.539              | 92,400                                   | 12,920                            | 8.22                                   |
|                    | mm    | 31.75            | 19.05  | 19.05        | 9.53  | 60.4   | 64.0  | 120.8 | 124.4 | 29.3       | 4.8    | 39.1               | 42,000                                   | 5,875                             | 12.3                                   |
| 120H-3             | inch  | 1.500            | 0.875  | 1.000        | 0.437 | 2.96   | 3.12  | 5.93  | 6.09  | 1.382      | 0.220  | 1.925              | 125,400                                  | 17,640                            | 11.6                                   |
|                    | mm    | 38.10            | 22.23  | 25.40        | 11.10 | 75.3   | 79.3  | 150.6 | 154.6 | 35.1       | 5.6    | 48.9               | 57,000                                   | 8,020                             | 17.3                                   |
| 140H-3             | inch  | 1.750            | 1.000  | 1.000        | 0.500 | 3.19   | 3.37  | 6.37  | 6.55  | 1.610      | 0.250  | 2.055              | 162,600                                  | 23,150                            | 16.6                                   |
|                    | mm    | 44.45            | 25.40  | 25.40        | 12.70 | 80.9   | 85.5  | 161.8 | 166.4 | 40.9       | 6.4    | 52.2               | 73,910                                   | 10,525                            | 24.8                                   |
| 160H-3             | inch  | 2.000            | 1.125  | 1.250        | 0.562 | 3.78   | 3.97  | 7.55  | 7.75  | 1.839      | 0.283  | 2.437              | 206,400                                  | 30,800                            | 21.2                                   |
|                    | mm    | 50.80            | 28.58  | 31.75        | 14.27 | 95.9   | 100.9 | 191.8 | 196.8 | 46.7       | 7.2    | 61.9               | 93,820                                   | 14,000                            | 31.5                                   |
| 180H-3             | inch  | 2.250            | 1.406  | 1.406        | 0.687 | 4.19   | 4.42  | 8.38  | 8.61  | 2.067      | 0.315  | 2.700              | 251,700                                  | 33,500                            | 30.1                                   |
|                    | mm    | 57.15            | 35.71  | 35.71        | 17.45 | 106.4  | 112.3 | 212.8 | 218.7 | 52.5       | 8.0    | 68.6               | 114,410                                  | 15,225                            | 44.9                                   |
| 200H-3             | inch  | 2.500            | 1.562  | 1.500        | 0.781 | 4.75   | 5.10  | 9.50  | 9.85  | 2.354      | 0.374  | 3.083              | 350,700                                  | 41,810                            | 41.9                                   |
|                    | mm    | 63.50            | 39.67  | 38.10        | 19.84 | 120.7  | 129.6 | 241.4 | 250.3 | 59.8       | 9.5    | 78.3               | 159,410                                  | 19,005                            | 62.5                                   |

## ASME/ANSI Through Hardened Pin (E) Series Roller Chain

E-Series roller chains possess alloy steel through hardened pins to significantly improve shock load resistance and increase ultimate strength. These chains are often used on heavy construction or mining equipment when superior toughness is required. E-series roller chains operate on standard ASME/ANSI sprockets . . . Hardened teeth are recommended. The suffix "E" is used after the chain number to denote this series.



Chain Dimensions - Single Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller   |                   |          | Pin    |      |      |      | Side Plate  |             | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|----------|-------------------|----------|--------|------|------|------|-------------|-------------|--|-----------------------------------|--|
|                    |       |                  | Dia<br>R | Inside Width<br>W | Dia<br>D | Length |      |      |      | Height<br>H | Thick.<br>T |  |                                   |  |
|                    |       |                  |          |                   |          | L1     | L2   | LR   | LC   |             |             |  |                                   |  |
| 60E                | inch  | 0.750            | 0.469    | 0.500             | 0.234    | 0.50   | 0.56 | 1.01 | 1.06 | 0.689       | 0.094       | 10,300                                   | 2,475                             | 0.98                                   |
|                    | mm    | 19.05            | 11.91    | 12.70             | 5.94     | 12.8   | 14.1 | 25.6 | 26.9 | 17.5        | 2.4         | 4,680                                    | 1,125                             | 1.46                                   |
| 80E                | inch  | 1.000            | 0.625    | 0.625             | 0.312    | 0.65   | 0.75 | 1.29 | 1.40 | 0.921       | 0.126       | 17,850                                   | 4,135                             | 1.69                                   |
|                    | mm    | 25.40            | 15.88    | 15.88             | 7.92     | 16.4   | 19.1 | 32.8 | 35.5 | 23.4        | 3.2         | 8,115                                    | 1,880                             | 2.52                                   |
| 100E               | inch  | 1.250            | 0.750    | 0.750             | 0.375    | 0.78   | 0.92 | 1.55 | 1.69 | 1.154       | 0.157       | 26,750                                   | 6,360                             | 2.62                                   |
|                    | mm    | 31.75            | 19.05    | 19.05             | 9.53     | 19.7   | 23.3 | 39.4 | 43.0 | 29.3        | 4.0         | 12,160                                   | 2,890                             | 3.91                                   |
| 120E               | inch  | 1.500            | 0.875    | 1.000             | 0.437    | 0.98   | 1.13 | 1.95 | 2.10 | 1.382       | 0.188       | 39,100                                   | 8,540                             | 3.86                                   |
|                    | mm    | 38.10            | 22.23    | 25.40             | 11.10    | 24.8   | 28.6 | 49.6 | 53.4 | 35.1        | 4.8         | 17,775                                   | 3,882                             | 5.76                                   |
| 140E               | inch  | 1.750            | 1.000    | 1.000             | 0.500    | 1.06   | 1.23 | 2.13 | 2.30 | 1.610       | 0.220       | 51,000                                   | 11,310                            | 4.97                                   |
|                    | mm    | 44.45            | 25.40    | 25.40             | 12.70    | 27.0   | 31.3 | 54.0 | 58.3 | 40.9        | 5.6         | 23,180                                   | 5,140                             | 7.41                                   |
| 160E               | inch  | 2.000            | 1.125    | 1.250             | 0.562    | 1.27   | 1.44 | 2.54 | 2.7  | 1.839       | 0.250       | 66,100                                   | 14,900                            | 6.56                                   |
|                    | mm    | 50.80            | 28.58    | 31.75             | 14.27    | 32.2   | 36.5 | 64.4 | 68.7 | 46.7        | 6.4         | 30,045                                   | 6,775                             | 9.79                                   |
| 180E               | inch  | 2.250            | 1.406    | 1.406             | 0.687    | 1.43   | 1.66 | 2.86 | 3.09 | 2.067       | 0.283       | 81,600                                   | 15,870                            | 8.98                                   |
|                    | mm    | 57.15            | 35.71    | 35.71             | 17.45    | 36.3   | 42.1 | 72.6 | 78.4 | 52.5        | 7.2         | 37,090                                   | 7,215                             | 13.4                                   |
| 200E               | inch  | 2.500            | 1.562    | 1.500             | 0.781    | 1.55   | 1.88 | 3.09 | 3.43 | 2.354       | 0.315       | 105,700                                  | 18,500                            | 11.4                                   |
|                    | mm    | 63.50            | 39.67    | 38.10             | 19.84    | 39.3   | 47.7 | 78.6 | 87.0 | 59.8        | 8.0         | 48,045                                   | 8,409                             | 16.9                                   |

## ASME/ANSI Through Hardened Pin (E) Series Roller Chain

### Chain Dimensions - Double Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |      |       |       | Side Plate |        | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|-------|-------|------------|--------|--------------------|--|-----------------------------------|--|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |      |       |       | Height     | Thick. |                    |  |                                   |  |
|                    |       |                  | R      | W            | D     | L1     | L2   | LR    | LC    | H          | T      |                    |  |                                   |  |
| 60E-2              | inch  | 0.750            | 0.469  | 0.500        | 0.234 | 0.94   | 1.01 | 1.89  | 1.96  | 0.689      | 0.094  | 0.898              | 20,590                                   | 4,100                             | 1.98                                   |
|                    | mm    | 19.05            | 11.91  | 12.70        | 5.94  | 24.0   | 25.7 | 48.0  | 26.9  | 17.5       | 2.4    | 22.8               | 9,360                                    | 1,865                             | 2.95                                   |
| 80E-2              | inch  | 1.000            | 0.625  | 0.625        | 0.312 | 1.21   | 1.33 | 2.43  | 2.54  | 0.921      | 0.126  | 1.154              | 35,750                                   | 6,000                             | 3.42                                   |
|                    | mm    | 25.40            | 15.88  | 15.88        | 7.92  | 30.8   | 33.7 | 61.6  | 64.5  | 23.4       | 3.2    | 29.3               | 15,340                                   | 2,725                             | 5.10                                   |
| 100E-2             | inch  | 1.250            | 0.750  | 0.750        | 0.375 | 1.48   | 1.62 | 2.96  | 3.10  | 1.154      | 0.157  | 1.409              | 53,500                                   | 9,170                             | 5.19                                   |
|                    | mm    | 31.75            | 19.05  | 19.05        | 9.53  | 37.6   | 41.2 | 75.2  | 78.8  | 29.3       | 4.0    | 35.8               | 24,320                                   | 4,170                             | 7.74                                   |
| 120E-2             | inch  | 1.500            | 0.875  | 1.000        | 0.437 | 1.87   | 2.02 | 3.74  | 3.89  | 1.382      | 0.188  | 1.787              | 78,200                                   | 12,180                            | 7.70                                   |
|                    | mm    | 38.10            | 22.23  | 25.40        | 11.10 | 47.5   | 51.3 | 95.0  | 98.8  | 35.1       | 4.8    | 45.4               | 35,545                                   | 5,535                             | 11.5                                   |
| 140E-2             | inch  | 1.750            | 1.000  | 1.000        | 0.500 | 2.03   | 2.19 | 4.06  | 4.22  | 1.610      | 0.22   | 1.925              | 102,000                                  | 16,460                            | 9.81                                   |
|                    | mm    | 44.45            | 25.40  | 25.40        | 12.70 | 51.5   | 55.7 | 103.0 | 107.2 | 40.9       | 5.6    | 48.9               | 46,365                                   | 7,480                             | 14.6                                   |
| 160E-2             | inch  | 2.000            | 1.125  | 1.250        | 0.562 | 2.42   | 2.59 | 4.83  | 5.01  | 1.839      | 0.250  | 2.303              | 132,200                                  | 21,360                            | 13.0                                   |
|                    | mm    | 50.80            | 28.58  | 31.75        | 14.27 | 61.4   | 65.8 | 122.8 | 127.2 | 46.7       | 6.4    | 58.5               | 60,090                                   | 9,710                             | 19.5                                   |
| 180E-2             | inch  | 2.250            | 1.406  | 1.406        | 0.687 | 2.72   | 2.95 | 5.44  | 5.67  | 2.067      | 0.283  | 2.591              | 163,210                                  | 22,930                            | 17.9                                   |
|                    | mm    | 57.15            | 35.71  | 35.71        | 17.45 | 69.1   | 74.9 | 138.2 | 144.0 | 52.5       | 7.2    | 65.8               | 74,185                                   | 10,425                            | 26.6                                   |
| 200E-2             | inch  | 2.500            | 1.562  | 1.500        | 0.781 | 2.96   | 3.29 | 5.91  | 6.25  | 2.354      | 0.315  | 2.819              | 211,400                                  | 29,230                            | 22.6                                   |
|                    | mm    | 63.50            | 39.67  | 38.10        | 19.84 | 75.1   | 83.6 | 150.2 | 158.7 | 59.8       | 8.0    | 71.6               | 96,090                                   | 13,285                            | 33.7                                   |

### Chain Dimensions - Triple Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |       |       |       | Side Plate |        | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|-------|-------|-------|------------|--------|--------------------|--|-----------------------------------|--|
|                    |       |                  | Dia.   | Inside Width | Dia   | Length |       |       |       | Height     | Thick. |                    |  |                                   |  |
|                    |       |                  | R      | W            | D     | L1     | L2    | LR    | LC    | H          | T      |                    |  |                                   |  |
| 60E-3              | inch  | 0.750            | 0.469  | 0.500        | 0.234 | 1.39   | 1.47  | 2.77  | 2.86  | 0.689      | 0.094  | 0.898              | 30,800                                   | 6,180                             | 2.97                                   |
|                    | mm    | 19.05            | 11.91  | 12.70        | 5.94  | 35.2   | 37.4  | 70.7  | 72.6  | 17.5       | 2.4    | 22.8               | 14,000                                   | 2,810                             | 4.43                                   |
| 80E-3              | inch  | 1.000            | 0.625  | 0.625        | 0.312 | 1.79   | 1.91  | 3.58  | 3.70  | 0.921      | 0.126  | 1.154              | 53,500                                   | 8,835                             | 5.15                                   |
|                    | mm    | 25.40            | 15.88  | 15.88        | 7.92  | 45.5   | 48.6  | 91.0  | 94.1  | 23.4       | 3.2    | 29.3               | 24,320                                   | 4,015                             | 7.68                                   |
| 100E-3             | inch  | 1.250            | 0.750  | 0.750        | 0.375 | 2.19   | 2.33  | 4.37  | 4.51  | 1.154      | 0.157  | 1.409              | 80,260                                   | 13,490                            | 7.78                                   |
|                    | mm    | 31.75            | 19.05  | 19.05        | 9.53  | 55.5   | 59.1  | 111.0 | 114.6 | 29.3       | 4.0    | 35.8               | 36,480                                   | 6,130                             | 11.6                                   |
| 120E-3             | inch  | 1.500            | 0.875  | 1.000        | 0.437 | 2.76   | 2.91  | 5.53  | 5.68  | 1.382      | 0.188  | 1.787              | 117,300                                  | 17,940                            | 11.5                                   |
|                    | mm    | 38.10            | 22.23  | 25.40        | 11.10 | 70.2   | 74.0  | 140.4 | 144.2 | 35.1       | 4.8    | 45.4               | 53,320                                   | 8,155                             | 17.2                                   |
| 140E-3             | inch  | 1.750            | 1.000  | 1.000        | 0.500 | 2.99   | 3.17  | 5.98  | 6.15  | 1.610      | 0.220  | 1.925              | 153,000                                  | 24,280                            | 14.7                                   |
|                    | mm    | 44.45            | 25.40  | 25.40        | 12.70 | 75.9   | 80.4  | 151.8 | 156.3 | 40.9       | 5.6    | 48.9               | 69,545                                   | 11,035                            | 21.9                                   |
| 160E-3             | inch  | 2.000            | 1.125  | 1.250        | 0.562 | 3.57   | 3.74  | 7.14  | 7.31  | 1.839      | 0.250  | 2.303              | 198,300                                  | 31,470                            | 19.6                                   |
|                    | mm    | 50.80            | 28.58  | 31.75        | 14.27 | 90.7   | 95.0  | 181.4 | 185.7 | 46.7       | 6.4    | 58.5               | 90,135                                   | 14,305                            | 29.2                                   |
| 180E-3             | inch  | 2.250            | 1.406  | 1.406        | 0.687 | 4.03   | 4.25  | 8.06  | 8.28  | 2.067      | 0.283  | 2.591              | 244,820                                  | 33,720                            | 26.8                                   |
|                    | mm    | 57.15            | 35.71  | 35.71        | 17.45 | 102.3  | 107.9 | 204.6 | 210.2 | 52.5       | 7.2    | 65.8               | 111,280                                  | 15,325                            | 39.9                                   |
| 200E-3             | inch  | 2.500            | 1.562  | 1.500        | 0.781 | 4.37   | 4.70  | 8.73  | 9.06  | 2.354      | 0.315  | 2.819              | 317,100                                  | 42,940                            | 33.9                                   |
|                    | mm    | 63.50            | 39.67  | 38.10        | 19.84 | 110.9  | 119.3 | 221.8 | 230.2 | 59.8       | 8.0    | 71.6               | 144,135                                  | 19,520                            | 50.5                                   |



# ASME/ANSI Heavy-Through Hardened Pin (HE) Series Roller Chain

## Chain Dimensions - Double Strand

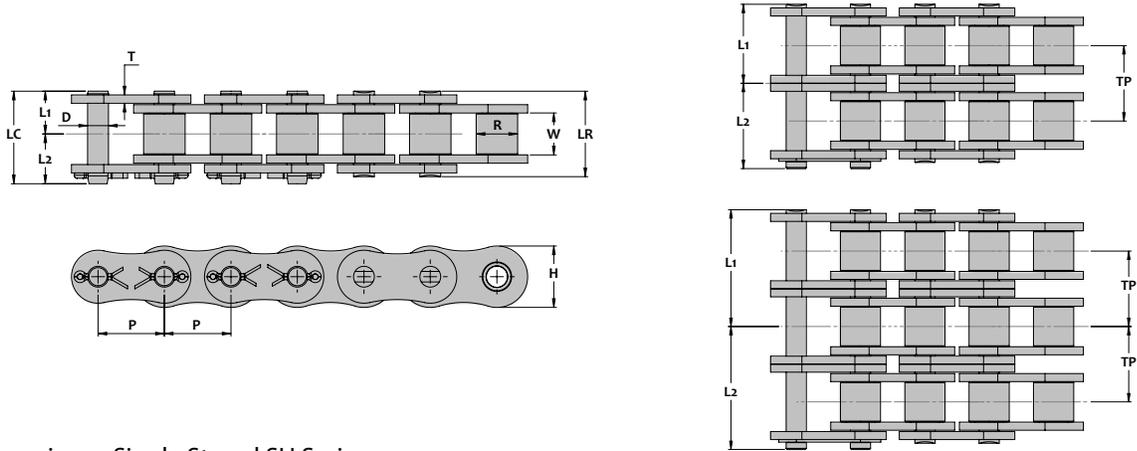
| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |                   |           | Pin    |      |       |       | Side Plate  |             | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|-------------------|-----------|--------|------|-------|-------|-------------|-------------|--------------------|--|-----------------------------------|--|
|                    |       |                  | Dia.   | Inside Width<br>W | Dia.<br>D | Length |      |       |       | Height<br>H | Thick.<br>T |                    |  |                                   |  |
|                    |       |                  | R      |                   |           | L1     | L2   | LR    | LC    |             |             |                    |  |                                   |  |
| 60HE-2             | inch  | 0.750            | 0.469  | 0.500             | 0.234     | 1.08   | 1.17 | 2.16  | 2.24  | 0.689       | 0.126       | 1.028              | 25,000                                   | 4,115                             | 2.41                                   |
|                    | mm    | 19.05            | 11.91  | 12.70             | 5.94      | 27.4   | 29.6 | 54.8  | 57.0  | 17.5        | 3.2         | 26.1               | 11,365                                   | 1,870                             | 3.59                                   |
| 80HE-2             | inch  | 1.000            | 0.625  | 0.625             | 0.312     | 1.35   | 1.46 | 2.69  | 2.81  | 0.921       | 0.157       | 1.283              | 42,000                                   | 6,385                             | 3.71                                   |
|                    | mm    | 25.40            | 15.88  | 15.88             | 7.92      | 34.2   | 37.1 | 68.4  | 71.3  | 23.4        | 4.0         | 32.6               | 19,090                                   | 2,900                             | 5.54                                   |
| 100HE-2            | inch  | 1.250            | 0.750  | 0.750             | 0.375     | 1.61   | 1.74 | 3.21  | 3.35  | 1.154       | 0.188       | 1.539              | 64,000                                   | 10,140                            | 5.5                                    |
|                    | mm    | 31.75            | 19.05  | 19.05             | 9.53      | 40.8   | 44.2 | 81.6  | 85.0  | 29.3        | 4.8         | 39.1               | 29,090                                   | 4,610                             | 8.2                                    |
| 120HE-2            | inch  | 1.500            | 0.875  | 1.000             | 0.437     | 2.01   | 2.17 | 4.02  | 4.18  | 1.382       | 0.220       | 1.925              | 86,000                                   | 13,110                            | 7.75                                   |
|                    | mm    | 38.10            | 22.23  | 25.40             | 11.10     | 51.0   | 55.1 | 102.0 | 106.1 | 35.1        | 5.6         | 48.9               | 39,090                                   | 5,960                             | 11.56                                  |
| 140HE-2            | inch  | 1.750            | 1.000  | 1.000             | 0.500     | 2.15   | 2.33 | 4.31  | 4.49  | 1.610       | 0.250       | 2.055              | 113,200                                  | 17,240                            | 11.12                                  |
|                    | mm    | 44.45            | 25.40  | 25.40             | 12.70     | 54.7   | 59.3 | 109.4 | 114.0 | 40.9        | 6.4         | 52.2               | 51,455                                   | 7,835                             | 16.59                                  |
| 160HE-2            | inch  | 2.000            | 1.125  | 1.250             | 0.562     | 2.56   | 2.76 | 5.11  | 5.31  | 1.839       | 0.283       | 2.437              | 143,400                                  | 22,480                            | 14.22                                  |
|                    | mm    | 50.80            | 28.58  | 31.75             | 14.27     | 64.9   | 70.0 | 129.8 | 134.9 | 46.7        | 7.2         | 61.9               | 65,180                                   | 10,220                            | 21.21                                  |
| 180HE-2            | inch  | 2.250            | 1.406  | 1.406             | 0.687     | 2.84   | 3.06 | 5.68  | 5.90  | 2.067       | 0.315       | 2.700              | 198,200                                  | 27,200                            | 20.83                                  |
|                    | mm    | 57.15            | 35.71  | 35.71             | 17.45     | 72.1   | 77.7 | 144.2 | 149.8 | 52.5        | 8.0         | 68.6               | 90,090                                   | 12,365                            | 31.06                                  |
| 200HE-2            | inch  | 2.500            | 1.562  | 1.500             | 0.781     | 3.21   | 3.56 | 6.43  | 6.77  | 2.354       | 0.374       | 3.083              | 251,200                                  | 31,020                            | 23.60                                  |
|                    | mm    | 63.50            | 39.67  | 38.10             | 19.84     | 81.6   | 90.4 | 163.2 | 172.0 | 59.8        | 9.5         | 78.3               | 114,180                                  | 14,100                            | 35.20                                  |

## Chain Dimensions - Triple Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |                   |           | Pin    |       |       |       | Side Plate  |             | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|-------------------|-----------|--------|-------|-------|-------|-------------|-------------|--------------------|--|-----------------------------------|--|
|                    |       |                  | Dia.   | Inside Width<br>W | Dia.<br>D | Length |       |       |       | Height<br>H | Thick.<br>T |                    |  |                                   |  |
|                    |       |                  | R      |                   |           | L1     | L2    | LR    | LC    |             |             |                    |  |                                   |  |
| 60HE-3             | inch  | 0.750            | 0.469  | 0.500             | 0.234     | 1.59   | 1.69  | 3.17  | 3.27  | 0.689       | 0.126       | 1.028              | 37,500                                   | 6,045                             | 3.61                                   |
|                    | mm    | 19.05            | 11.91  | 12.70             | 5.94      | 40.3   | 42.8  | 80.6  | 83.1  | 17.5        | 3.2         | 26.1               | 17,045                                   | 2,750                             | 5.39                                   |
| 80HE-3             | inch  | 1.000            | 0.625  | 0.625             | 0.312     | 1.99   | 2.11  | 3.98  | 4.09  | 0.921       | 0.157       | 1.283              | 63,000                                   | 9,400                             | 5.54                                   |
|                    | mm    | 25.40            | 15.88  | 15.88             | 7.92      | 50.5   | 53.5  | 101.0 | 104.0 | 23.4        | 4.0         | 32.6               | 28,635                                   | 4,275                             | 8.26                                   |
| 100HE-3            | inch  | 1.250            | 0.750  | 0.750             | 0.375     | 2.38   | 2.52  | 4.76  | 4.90  | 1.154       | 0.188       | 1.539              | 96,000                                   | 14,900                            | 8.22                                   |
|                    | mm    | 31.75            | 19.05  | 19.05             | 9.53      | 60.4   | 64.0  | 120.8 | 124.4 | 29.3        | 4.8         | 39.1               | 43,635                                   | 6,775                             | 12.26                                  |
| 120HE-3            | inch  | 1.500            | 0.875  | 1.000             | 0.437     | 2.96   | 3.12  | 5.93  | 6.09  | 1.382       | 0.220       | 1.925              | 129,000                                  | 19,290                            | 11.59                                  |
|                    | mm    | 38.10            | 22.23  | 25.40             | 11.10     | 75.3   | 79.3  | 150.6 | 154.6 | 35.1        | 5.6         | 48.9               | 58,635                                   | 8,770                             | 17.29                                  |
| 140HE-3            | inch  | 1.750            | 1.000  | 1.000             | 0.500     | 3.19   | 3.37  | 6.37  | 6.55  | 1.610       | 0.250       | 2.055              | 169,800                                  | 25,400                            | 16.61                                  |
|                    | mm    | 44.45            | 25.40  | 25.40             | 12.70     | 80.9   | 85.5  | 161.8 | 166.4 | 40.9        | 6.4         | 52.2               | 77,180                                   | 11,545                            | 24.77                                  |
| 160HE-3            | inch  | 2.000            | 1.125  | 1.250             | 0.562     | 3.78   | 3.97  | 7.55  | 7.75  | 1.839       | 0.283       | 2.437              | 215,100                                  | 33,050                            | 21.15                                  |
|                    | mm    | 50.80            | 28.58  | 31.75             | 14.27     | 95.9   | 100.9 | 191.8 | 196.8 | 46.7        | 7.2         | 61.9               | 97,775                                   | 15,025                            | 31.54                                  |
| 180HE-3            | inch  | 2.250            | 1.406  | 1.406             | 0.687     | 4.19   | 4.42  | 8.38  | 8.61  | 2.067       | 0.315       | 2.700              | 297,300                                  | 40,240                            | 30.13                                  |
|                    | mm    | 57.15            | 35.71  | 35.71             | 17.45     | 106.4  | 112.3 | 212.8 | 218.7 | 52.5        | 8.0         | 68.6               | 135,135                                  | 18,290                            | 44.94                                  |
| 200HE-3            | inch  | 2.500            | 1.562  | 1.500             | 0.781     | 4.75   | 5.10  | 9.50  | 9.85  | 2.354       | 0.374       | 3.083              | 376,800                                  | 45,860                            | 41.810                                 |
|                    | mm    | 63.50            | 39.67  | 38.10             | 19.84     | 120.7  | 129.6 | 241.4 | 250.3 | 59.8        | 9.5         | 78.3               | 171,275                                  | 20,845                            | 62.53                                  |

# ASME/ANSI Super (SU) and Super Heavy (HSU) Roller Chain

Super Series roller chains utilize special alloy steels for pins, rollers and link plates to increase strength and durability. In addition quad staked pins improve fatigue strength and hold the assembly together better when challenged in the most severe conditions. Chains are available in standard (SU) and heavy (HSU) versions. Offset links are not available and connecting links will be press fit style. The suffix "SU" is used for Super Series and "HSU" is used for Super Heavy Series, after the chain number to denote this series.



Chain Dimensions - Single Strand SU Series

| MAXCO Chain Number | Units | Chain Pitch P | Roller |                |       | Pin    |      |      |       | Side Plate |          | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|---------------|--------|----------------|-------|--------|------|------|-------|------------|----------|--|-----------------------------------|--|
|                    |       |               | Dia R  | Inside Width W | Dia D | Length |      |      |       | Height H   | Thick. T |  |                                   |  |
|                    |       |               | R      | W              | D     | L1     | L2   | LR   | LC    | H          | T        |  |                                   |  |
| 80SU               | inch  | 1.000         | 0.625  | 0.625          | 0.312 | 0.65   | 0.75 | 1.29 | 1.40  | 0.949      | 0.126    | 18,950                                   | 4,180                             | 1.88                                   |
|                    | mm    | 25.40         | 15.88  | 15.88          | 7.92  | 16.4   | 19.1 | 32.8 | 35.5  | 24.1       | 3.2      | 8,615                                    | 1,900                             | 2.81                                   |
| 100SU              | inch  | 1.250         | 0.750  | 0.750          | 0.375 | 0.78   | 0.92 | 1.55 | 1.69  | 1.185      | 0.157    | 28,550                                   | 6,835                             | 2.86                                   |
|                    | mm    | 31.75         | 19.05  | 19.05          | 9.53  | 19.7   | 23.3 | 39.4 | 43.0  | 30.1       | 4.0      | 12,975                                   | 3,110                             | 4.26                                   |
| 120SU              | inch  | 1.500         | 0.875  | 1.000          | 0.437 | 0.98   | 1.13 | 1.95 | 2.10  | 1.425      | 0.188    | 41,800                                   | 8,815                             | 4.22                                   |
|                    | mm    | 38.10         | 22.23  | 25.40          | 11.10 | 24.8   | 28.6 | 49.6 | 53.4  | 36.2       | 4.8      | 19,000                                   | 4,010                             | 6.30                                   |
| 140SU              | inch  | 1.750         | 1.000  | 1.000          | 0.500 | 1.06   | 1.23 | 2.13 | 2.30  | 1.661      | 0.220    | 55,100                                   | 12,120                            | 5.39                                   |
|                    | mm    | 44.45         | 25.40  | 25.40          | 12.70 | 27.0   | 31.3 | 54.0 | 58.3  | 42.2       | 5.6      | 25,045                                   | 5,510                             | 8.04                                   |
| 160SU              | inch  | 2.000         | 1.125  | 1.250          | 0.562 | 1.27   | 1.44 | 2.54 | 2.7   | 1.898      | 0.250    | 70,600                                   | 15,870                            | 7.24                                   |
|                    | mm    | 50.80         | 28.58  | 31.75          | 14.27 | 32.2   | 36.5 | 64.4 | 68.7  | 48.2       | 6.4      | 32,090                                   | 7,215                             | 10.8                                   |
| 200SU              | inch  | 2.500         | 1.562  | 1.500          | 0.781 | 1.55   | 1.88 | 3.09 | 3.43  | 2.374      | 0.315    | 110,150                                  | 21,150                            | 11.8                                   |
|                    | mm    | 63.50         | 39.67  | 38.10          | 19.84 | 39.3   | 47.7 | 78.6 | 87.0  | 60.3       | 8.0      | 50,070                                   | 9,615                             | 17.6                                   |
| 240SU              | inch  | 3.000         | 1.875  | 1.875          | 0.936 | 1.90   | 2.20 | 3.80 | 4.10  | 2.850      | 0.374    | 163,200                                  | 29,670                            | 17.2                                   |
|                    | mm    | 76.20         | 47.63  | 47.63          | 23.78 | 48.2   | 55.9 | 96.4 | 104.1 | 72.4       | 9.5      | 74,180                                   | 13,485                            | 25.6                                   |

Chain Dimensions - Single Strand HSU Series

|        |      |       |       |       |       |      |      |      |      |       |       |        |        |      |
|--------|------|-------|-------|-------|-------|------|------|------|------|-------|-------|--------|--------|------|
| 80HSU  | inch | 1.000 | 0.625 | 0.625 | 0.312 | 0.70 | 0.82 | 1.41 | 1.52 | 0.949 | 0.157 | 22,050 | 4,630  | 2.23 |
|        | mm   | 25.40 | 15.88 | 15.88 | 7.92  | 17.9 | 20.8 | 35.7 | 38.7 | 24.1  | 4.0   | 10,025 | 2,105  | 3.33 |
| 100HSU | inch | 1.250 | 0.750 | 0.750 | 0.375 | 0.83 | 0.97 | 1.67 | 1.81 | 1.185 | 0.188 | 32,600 | 7,285  | 3.27 |
|        | mm   | 31.75 | 19.05 | 19.05 | 9.53  | 21.2 | 24.7 | 42.4 | 45.9 | 30.1  | 4.8   | 14,820 | 3,310  | 4.88 |
| 120HSU | inch | 1.500 | 0.875 | 1.000 | 0.437 | 1.04 | 1.21 | 2.08 | 2.25 | 1.425 | 0.220 | 44,050 | 9,485  | 4.65 |
|        | mm   | 38.10 | 22.23 | 25.40 | 11.10 | 26.4 | 30.8 | 52.8 | 57.2 | 36.2  | 5.6   | 20,025 | 4,310  | 6.94 |
| 140HSU | inch | 1.750 | 1.000 | 1.000 | 0.500 | 1.13 | 1.31 | 2.25 | 2.43 | 1.661 | 0.250 | 57,300 | 12,790 | 5.95 |
|        | mm   | 44.45 | 25.40 | 25.40 | 12.70 | 28.6 | 33.2 | 57.2 | 61.8 | 42.2  | 6.4   | 26,045 | 5,815  | 8.87 |
| 160HSU | inch | 2.000 | 1.125 | 1.250 | 0.562 | 1.34 | 1.54 | 2.68 | 2.87 | 1.898 | 0.283 | 72,800 | 16,520 | 7.85 |
|        | mm   | 50.80 | 28.58 | 31.75 | 14.27 | 34.0 | 39.0 | 67.9 | 73.0 | 48.2  | 7.2   | 33,090 | 7,510  | 11.7 |

# ASME/ANSI Super (SU) and Super Heavy (HSU) Series Roller Chain

Chain Dimensions - Double and Triple Strand SU Series

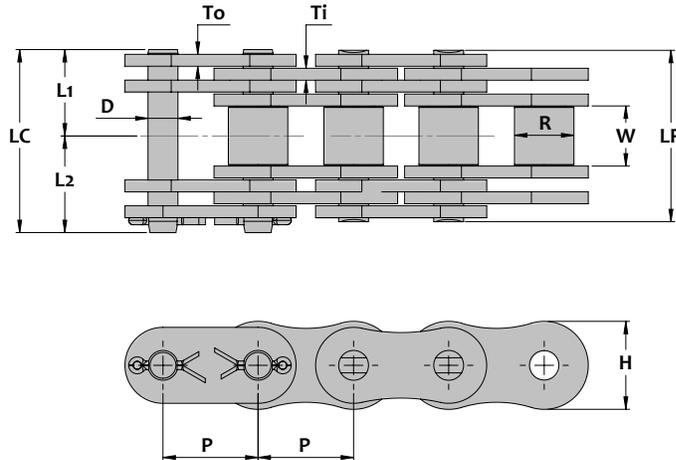
| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |                   | Pin      |        |       |       | Side Plate |             | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |             |
|--------------------|-------|------------------|--------|-------------------|----------|--------|-------|-------|------------|-------------|--------------------|--|-----------------------------------|--|-------------|
|                    |       |                  | Dia    | Inside Width<br>W | Dia<br>D | Length |       |       |            | Height<br>H |                    |  |                                   |  | Thick.<br>T |
|                    |       |                  | R      |                   |          | L1     | L2    | LR    | LC         |             |                    |  |                                   |  |             |
| 80-2SU             | inch  | 1.000            | 0.625  | 0.625             | 0.312    | 1.21   | 1.33  | 2.43  | 2.54       | 0.949       | 0.126              | 1.154                                    | 37,990                            | 7,105                                  | 3.78        |
|                    | mm    | 25.40            | 15.88  | 15.88             | 7.92     | 30.8   | 33.7  | 61.6  | 64.5       | 24.1        | 3.2                | 29.3                                     | 17,270                            | 3,230                                  | 5.63        |
| 80-3SU             | inch  |                  |        |                   |          | 1.79   | 1.91  | 3.58  | 3.70       |             |                    |  | 56,850                            | 10,450                                 | 5.64        |
|                    | mm    |                  |        |                   |          | 45.5   | 48.6  | 90.9  | 94.1       |             |                    |  | 25,840                            | 4,750                                  | 8.41        |
| 100-2SU            | inch  | 1.250            | 0.750  | 0.750             | 0.375    | 1.48   | 1.62  | 2.96  | 3.10       | 1.185       | 0.157              | 1.409                                    | 57,100                            | 11,620                                 | 5.62        |
|                    | mm    | 31.75            | 19.05  | 19.05             | 9.53     | 37.6   | 41.2  | 75.2  | 78.8       | 30.1        | 4.0                | 35.8                                     | 25,955                            | 5,280                                  | 8.38        |
| 100-3SU            | inch  |                  |        |                   |          | 2.19   | 2.33  | 4.37  | 4.51       |             |                    |  | 85,650                            | 17,080                                 | 8.43        |
|                    | mm    |                  |        |                   |          | 55.5   | 59.1  | 110.9 | 114.6      |             |                    |  | 38,930                            | 7,765                                  | 12.6        |
| 120-2SU            | inch  | 1.500            | 0.875  | 1.000             | 0.437    | 1.87   | 2.02  | 3.74  | 3.89       | 1.425       | 0.188              | 1.787                                    | 83,600                            | 14,970                                 | 8.34        |
|                    | mm    | 38.10            | 22.23  | 25.40             | 11.10    | 47.5   | 51.3  | 95.0  | 98.8       | 36.2        | 4.8                | 45.4                                     | 38,000                            | 6,805                                  | 12.4        |
| 120-3SU            | inch  |                  |        |                   |          | 2.76   | 2.91  | 5.52  | 5.68       |             |                    |  | 125,400                           | 22,030                                 | 12.5        |
|                    | mm    |                  |        |                   |          | 70.2   | 74.0  | 140.3 | 144.2      |             |                    |  | 57,000                            | 10,015                                 | 18.7        |
| 140-2SU            | inch  | 1.750            | 1.000  | 1.000             | 0.500    | 2.03   | 2.19  | 4.06  | 4.22       | 1.661       | 0.220              | 1.925                                    | 110,200                           | 20,590                                 | 10.7        |
|                    | mm    | 44.45            | 25.40  | 25.40             | 12.70    | 51.5   | 55.7  | 103.0 | 107.2      | 42.2        | 5.6                | 48.9                                     | 50,090                            | 9,360                                  | 15.9        |
| 140-3SU            | inch  |                  |        |                   |          | 2.99   | 3.17  | 5.97  | 6.15       |             |                    |  | 165,300                           | 30,350                                 | 16.0        |
|                    | mm    |                  |        |                   |          | 75.9   | 80.4  | 151.7 | 156.3      |             |                    |  | 75,135                            | 13,795                                 | 23.8        |
| 160-2SU            | inch  | 2.000            | 1.125  | 1.250             | 0.562    | 2.42   | 2.59  | 4.83  | 5.01       | 1.898       | 0.250              | 2.303                                    | 141,200                           | 26,980                                 | 14.4        |
|                    | mm    | 50.80            | 28.58  | 31.75             | 14.27    | 61.4   | 65.8  | 122.8 | 127.2      | 48.2        | 6.4                | 58.5                                     | 64,180                            | 12,265                                 | 21.4        |
| 160-3SU            | inch  |                  |        |                   |          | 3.57   | 3.74  | 7.14  | 7.31       |             |                    |  | 211,800                           | 39,790                                 | 21.5        |
|                    | mm    |                  |        |                   |          | 120.2  | 124.5 | 240.3 | 244.7      |             |                    |  | 96,275                            | 18,085                                 | 32.1        |
| 200-2SU            | inch  | 2.500            | 1.562  | 1.500             | 0.781    | 2.96   | 3.29  | 5.91  | 6.25       | 2.374       | 0.315              | 2.819                                    | 220,300                           | 35,970                                 | 23.4        |
|                    | mm    | 63.50            | 39.67  | 38.10             | 19.84    | 75.1   | 83.6  | 150.2 | 158.7      | 60.3        | 8.0                | 71.6                                     | 100,135                           | 16,350                                 | 34.9        |
| 240-2SU            | inch  | 3.000            | 1.875  | 1.875             | 0.936    | 3.63   | 3.93  | 7.25  | 7.55       | 2.850       | 0.374              | 3.457                                    | 326,400                           | 50,360                                 | 34.1        |
|                    | mm    | 76.20            | 47.63  | 47.63             | 23.78    | 92.1   | 99.7  | 184.2 | 191.8      | 72.4        | 9.5                | 87.8                                     | 148,365                           | 22,890                                 | 50.9        |

Chain Dimensions - Double Strand HSU Series

|          |      |       |       |       |       |      |      |       |       |       |       |       |         |        |      |
|----------|------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|-------|---------|--------|------|
| 80H-2SU  | inch | 1.000 | 0.625 | 0.625 | 0.312 | 1.35 | 1.46 | 2.69  | 2.81  | 0.949 | 0.157 | 1.283 | 44,100  | 7,870  | 4.47 |
|          | mm   | 25.40 | 15.88 | 15.88 | 7.92  | 34.2 | 37.1 | 68.4  | 71.3  | 24.1  | 4.0   | 32.6  | 20,045  | 3,575  | 6.67 |
| 100H-2SU | inch | 1.250 | 0.750 | 0.750 | 0.375 | 1.61 | 1.74 | 3.21  | 3.35  | 1.185 | 0.188 | 1.539 | 65,200  | 12,390 | 6.44 |
|          | mm   | 31.75 | 19.05 | 19.05 | 9.53  | 40.8 | 44.2 | 81.6  | 85.0  | 30.1  | 4.8   | 39.1  | 29,635  | 5,630  | 9.60 |
| 120H-2SU | inch | 1.500 | 0.875 | 1.000 | 0.437 | 2.01 | 2.17 | 4.02  | 4.18  | 1.425 | 0.220 | 1.925 | 88,100  | 16,120 | 9.19 |
|          | mm   | 38.10 | 22.23 | 25.40 | 11.10 | 51.0 | 55.1 | 102.0 | 106.1 | 36.2  | 5.6   | 48.9  | 40,045  | 7,325  | 13.7 |
| 140H-2SU | inch | 1.750 | 1.000 | 1.000 | 0.500 | 2.15 | 2.33 | 4.31  | 4.49  | 1.661 | 0.250 | 2.055 | 114,600 | 21,740 | 11.8 |
|          | mm   | 44.45 | 25.40 | 25.40 | 12.70 | 54.7 | 59.3 | 109.4 | 114.0 | 42.2  | 6.4   | 52.2  | 52,090  | 9,880  | 17.6 |
| 160H-2SU | inch | 2.000 | 1.125 | 1.250 | 0.562 | 2.56 | 2.76 | 5.11  | 5.31  | 1.898 | 0.283 | 2.437 | 145,600 | 28,080 | 15.5 |
|          | mm   | 50.80 | 28.58 | 31.75 | 14.27 | 64.9 | 70.0 | 129.8 | 134.9 | 48.2  | 7.2   | 61.9  | 66,180  | 12,765 | 23.2 |

## Double Capacity Roller Chain

Double Capacity roller chains possess twice the number of link plates as single strand roller chain and therefore have twice the ultimate strength. These combination roller/leaf chains are best used on high load hoist, pull down or other tension linkage applications. They may also be used on slow speed drives where link plate breakage or pin shear is an ongoing problem. Double Capacity roller chains operate on standard ASME/ANSI or ISO 606B British Standard sprockets with hardened teeth. Offset Links are not available for this series.



Chain Dimensions - ASME ANSI Standard

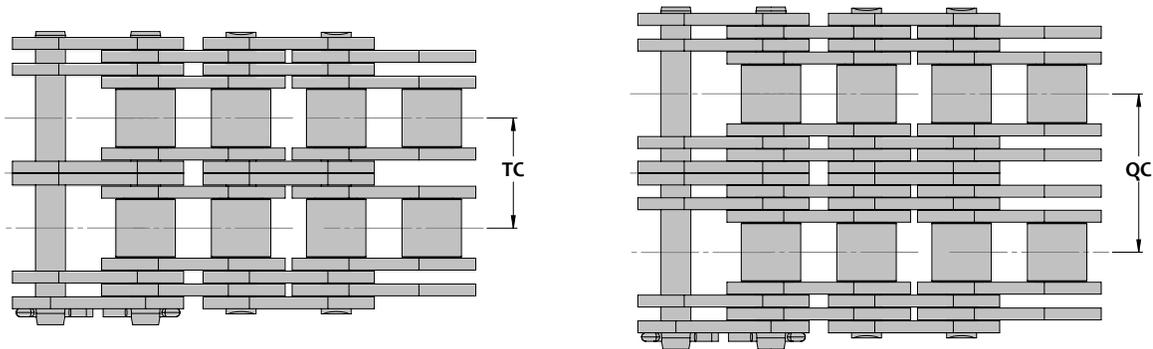
| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |          | Pin      |        |      |       |       | Side Plate  |           | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |    |
|--------------------|-------|------------------|-------------------|----------|----------|--------|------|-------|-------|-------------|-----------|--|-----------------------------------|--|----|
|                    |       |                  | Inside Width<br>W | Dia<br>R | Dia<br>D | Length |      |       |       | Height<br>H | Thickness |  |                                   |  |    |
|                    |       |                  |                   |          |          | L1     | L2   | LR    | LC    |             | To        |  |                                   |  | Ti |
| 80DC               | inch  | 1.000            | 0.625             | 0.625    | 0.312    | 0.90   | 1.02 | 1.80  | 1.92  | 0.921       | 0.125     | 35,300                                   | 5,035                             | 2.92                                   |    |
|                    | mm    | 25.40            | 15.88             | 15.88    | 7.92     | 22.8   | 25.9 | 45.6  | 48.7  | 23.4        | 3.2       | 16,045                                   | 2,290                             | 4.36                                   |    |
| 100DC              | inch  | 1.250            | 0.750             | 0.750    | 0.375    | 1.10   | 1.24 | 2.20  | 2.34  | 1.154       | 0.157     | 52,830                                   | 7,530                             | 4.35                                   |    |
|                    | mm    | 31.75            | 19.05             | 19.05    | 9.53     | 27.9   | 31.6 | 55.8  | 59.5  | 29.3        | 4.0       | 24,015                                   | 3,425                             | 6.48                                   |    |
| 120DC              | inch  | 1.500            | 1.000             | 0.875    | 0.437    | 1.36   | 1.53 | 2.72  | 2.89  | 1.382       | 0.188     | 77,110                                   | 11,020                            | 6.35                                   |    |
|                    | mm    | 38.10            | 25.40             | 22.23    | 11.10    | 34.5   | 38.8 | 69.0  | 73.3  | 35.1        | 4.8       | 35,050                                   | 5,010                             | 9.47                                   |    |
| 140DC              | inch  | 1.750            | 1.000             | 1.000    | 0.500    | 1.50   | 1.69 | 3.01  | 3.19  | 1.610       | 0.220     | 101,390                                  | 14,480                            | 8.29                                   |    |
|                    | mm    | 44.45            | 25.40             | 25.40    | 12.70    | 38.2   | 42.9 | 76.4  | 81.1  | 40.9        | 5.6       | 46,085                                   | 6,580                             | 12.4                                   |    |
| 160DC              | inch  | 2.000            | 1.250             | 1.125    | 0.562    | 1.77   | 1.97 | 3.54  | 3.74  | 1.839       | 0.250     | 125,670                                  | 17,940                            | 11.2                                   |    |
|                    | mm    | 50.80            | 31.75             | 28.58    | 14.27    | 45.0   | 50.1 | 90.0  | 95.1  | 46.7        | 6.4       | 57,125                                   | 8,155                             | 16.7                                   |    |
| 180DC              | inch  | 2.250            | 1.406             | 1.406    | 0.687    | 2.00   | 2.24 | 4.00  | 4.24  | 2.067       | 0.283     | 163,210                                  | 23,150                            | 14.4                                   |    |
|                    | mm    | 57.15            | 35.7              | 35.7     | 17.45    | 50.8   | 56.9 | 101.6 | 107.7 | 52.5        | 7.2       | 74,185                                   | 10,525                            | 21.5                                   |    |
| 200DC              | inch  | 2.500            | 1.500             | 1.562    | 0.781    | 2.19   | 2.54 | 4.38  | 4.72  | 2.354       | 0.315     | 209,520                                  | 29,900                            | 18.8                                   |    |
|                    | mm    | 63.50            | 38.10             | 39.67    | 19.84    | 55.6   | 64.4 | 111.2 | 120.0 | 59.8        | 8.0       | 95,235                                   | 13,590                            | 28.0                                   |    |
| 240DC              | inch  | 3.000            | 1.875             | 1.875    | 0.936    | 2.67   | 2.97 | 5.34  | 5.64  | 2.768       | 0.374     | 304,170                                  | 43,390                            | 27.2                                   |    |
|                    | mm    | 76.20            | 47.63             | 47.63    | 23.78    | 67.8   | 75.4 | 135.6 | 143.2 | 70.3        | 9.5       | 138,260                                  | 19,725                            | 40.6                                   |    |

Chain Dimensions - British Standard

|       |      |       |       |       |       |      |      |      |      |       |       |       |         |        |      |
|-------|------|-------|-------|-------|-------|------|------|------|------|-------|-------|-------|---------|--------|------|
| 16BDC | inch | 1.000 | 0.673 | 0.625 | 0.312 | 0.98 | 1.11 | 1.97 | 2.09 | 0.921 | 0.157 | 0.125 | 30,800  | 4,385  | 2.99 |
|       | mm   | 25.40 | 17.1  | 15.88 | 7.93  | 25.0 | 28.2 | 50.0 | 53.2 | 23.4  | 4.0   | 3.2   | 14,000  | 1,995  | 4.46 |
| 20BDC | inch | 1.250 | 0.772 | 0.750 | 0.375 | 1.10 | 1.28 | 2.20 | 2.38 | 1.154 | 0.177 | 0.138 | 47,660  | 6,790  | 4.28 |
|       | mm   | 31.75 | 19.6  | 19.05 | 9.53  | 28.0 | 32.4 | 56.0 | 60.4 | 29.3  | 4.5   | 3.5   | 21,665  | 3,085  | 6.38 |
| 24BDC | inch | 1.500 | 1.000 | 1.000 | 0.437 | 1.48 | 1.69 | 2.97 | 3.17 | 1.382 | 0.232 | 0.193 | 80,700  | 11,510 | 7.30 |
|       | mm   | 38.10 | 25.4  | 25.40 | 11.10 | 37.7 | 42.8 | 75.4 | 80.5 | 35.1  | 5.9   | 4.9   | 36,680  | 5,230  | 10.9 |
| 28BDC | inch | 1.750 | 1.220 | 1.100 | 0.500 | 1.83 | 2.06 | 3.66 | 3.89 | 1.610 | 0.291 | 0.248 | 100,490 | 14,340 | 9.94 |
|       | mm   | 44.45 | 31.0  | 27.94 | 12.70 | 46.5 | 52.3 | 93.0 | 98.8 | 40.9  | 7.4   | 6.3   | 45,675  | 6,520  | 14.8 |
| 32BDC | inch | 2.000 | 1.244 | 1.125 | 0.562 | 1.82 | 2.06 | 3.64 | 3.88 | 1.839 | 0.272 | 0.248 | 123,420 | 17,625 | 10.4 |
|       | mm   | 50.80 | 31.6  | 28.58 | 14.28 | 46.2 | 52.3 | 92.4 | 98.5 | 46.7  | 6.9   | 6.3   | 56,100  | 8,010  | 15.5 |

## ASME/ANSI Triple and Quad Capacity Roller Chain

Triple and Quad Capacity roller chains possess three and four times respectively the number of link plates as single strand roller chain and therefore have significantly greater ultimate strength. These combination roller/leaf chains are best used on high load hoist, pull down or other tension linkage applications. Triple and Quad Capacity roller chains operate on special sprockets with hardened teeth. Offset links are not available for this series.



Chain Dimensions - ASME ANSI Standard

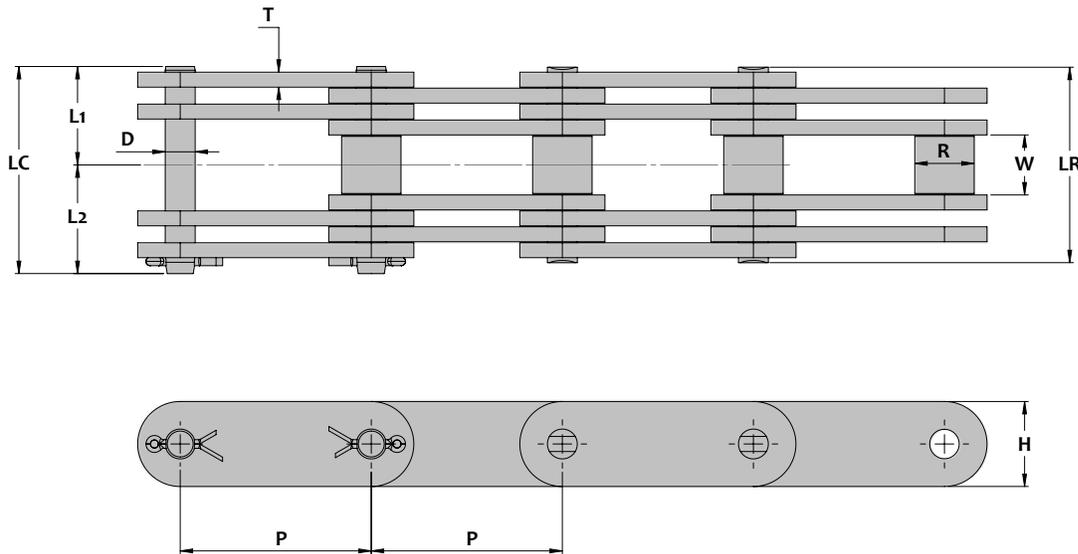
| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |          | Pin Dia<br>D | Side Plate  |           |    | Transverse Pitch |       | Average Ultimate Strength      |                              |
|--------------------|-------|------------------|-------------------|----------|--------------|-------------|-----------|----|------------------|-------|--------------------------------|------------------------------|
|                    |       |                  | Inside Width<br>W | Dia<br>R |              | Height<br>H | Thickness |    | TC               | QC    | Triple Capacity<br>Lbs<br>Kg-f | Quad Capacity<br>Lbs<br>Kg-f |
|                    |       |                  |                   |          |              |             | To        | Ti |                  |       |                                |                              |
| 80-TC-QC           | inch  | 1.000            | 0.625             | 0.625    | 0.312        | 0.921       | 0.125     |    | 1.154            | 1.657 | 52,830                         | 70,590                       |
|                    | mm    | 25.40            | 15.88             | 15.88    | 7.92         | 23.4        | 3.2       |    | 29.3             | 42.1  | 24,015                         | 32,085                       |
| 100-TC-QC          | inch  | 1.250            | 0.750             | 0.750    | 0.375        | 1.154       | 0.157     |    | 1.409            | 2.039 | 79,130                         | 105,660                      |
|                    | mm    | 31.75            | 19.05             | 19.05    | 9.53         | 29.3        | 4.0       |    | 35.8             | 51.8  | 35,970                         | 48,025                       |
| 120-TC-QC          | inch  | 1.500            | 1.000             | 0.875    | 0.437        | 1.382       | 0.188     |    | 1.787            | 2.528 | 115,550                        | 154,220                      |
|                    | mm    | 38.10            | 25.40             | 22.23    | 11.10        | 35.1        | 4.8       |    | 45.4             | 64.2  | 52,525                         | 70,100                       |
| 140-TC-QC          | inch  | 1.750            | 1.000             | 1.000    | 0.500        | 1.610       | 0.220     |    | 1.925            | 2.807 | 151,970                        | 202,780                      |
|                    | mm    | 44.45            | 25.40             | 25.40    | 12.70        | 40.9        | 5.6       |    | 48.9             | 71.3  | 69,075                         | 92,775                       |
| 160-TC-QC          | inch  | 2.000            | 1.250             | 1.125    | 0.562        | 1.839       | 0.250     |    | 2.303            | 3.311 | 188,390                        | 251,340                      |
|                    | mm    | 50.80            | 31.75             | 28.58    | 14.27        | 46.7        | 6.4       |    | 58.5             | 84.1  | 85,630                         | 114,245                      |
| 180-TC-QC          | inch  | 2.250            | 1.406             | 1.406    | 0.687        | 2.067       | 0.283     |    | 2.591            | 3.724 | 244,820                        | 326,420                      |
|                    | mm    | 57.15            | 35.7              | 35.7     | 17.45        | 52.5        | 7.2       |    | 65.8             | 94.6  | 111,280                        | 148,375                      |
| 200-TC-QC          | inch  | 2.500            | 1.500             | 1.562    | 0.781        | 2.354       | 0.315     |    | 2.819            | 4.079 | 314,280                        | 419,040                      |
|                    | mm    | 63.50            | 38.10             | 39.67    | 19.84        | 59.8        | 8.0       |    | 71.6             | 103.6 | 142,855                        | 190,475                      |
| 240-TC-QC          | inch  | 3.000            | 1.875             | 1.875    | 0.936        | 2.768       | 0.374     |    | 3.457            | 4.953 | 456,140                        | 608,330                      |
|                    | mm    | 76.20            | 47.63             | 47.63    | 23.78        | 70.3        | 9.5       |    | 87.8             | 125.8 | 207,335                        | 276,515                      |

Chain Dimensions - British Standard

|           |      |       |       |       |       |       |       |       |       |       |         |         |
|-----------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------|---------|
| 16B-TC-QC | inch | 1.000 | 0.673 | 0.625 | 0.312 | 0.921 | 0.157 | 0.125 | 1.256 | 1.760 | 46,090  | 61,600  |
|           | mm   | 25.40 | 17.1  | 15.88 | 7.93  | 23.4  | 4.0   | 3.2   | 31.9  | 44.7  | 20,950  | 28,000  |
| 20B-TC-QC | inch | 1.250 | 0.772 | 0.750 | 0.375 | 1.154 | 0.177 | 0.138 | 1.437 | 1.988 | 71,490  | 95,320  |
|           | mm   | 31.75 | 19.6  | 19.05 | 9.53  | 29.3  | 4.5   | 3.5   | 36.5  | 50.5  | 32,495  | 43,325  |
| 24B-TC-QC | inch | 1.500 | 1.000 | 1.000 | 0.437 | 1.382 | 0.232 | 0.193 | 1.906 | 2.677 | 120,950 | 161,410 |
|           | mm   | 38.10 | 25.4  | 25.40 | 11.10 | 35.1  | 5.9   | 4.9   | 48.4  | 68.0  | 54,825  | 73,370  |
| 28B-TC-QC | inch | 1.750 | 1.220 | 1.100 | 0.500 | 1.610 | 0.291 | 0.248 | 2.346 | 3.339 | 150,620 | 200,980 |
|           | mm   | 44.45 | 31.0  | 27.94 | 12.70 | 40.9  | 7.4   | 6.3   | 59.6  | 84.8  | 68,465  | 91,220  |
| 32B-TC-QC | inch | 2.000 | 1.244 | 1.125 | 0.562 | 1.839 | 0.272 | 0.248 | 2.307 | 3.299 | 185,020 | 246,840 |
|           | mm   | 50.80 | 31.6  | 28.58 | 14.28 | 46.7  | 6.9   | 6.3   | 58.6  | 83.8  | 84,100  | 112,200 |

## ASME/ANSI Double Pitch Double Capacity Roller Chain

Double Capacity roller chains possess twice the number of link plates as single strand roller chain and therefore have twice the ultimate strength. These combination roller/leaf chains are best used on high load hoist, pull down or other tension linkage applications. They may also be used on slow speed drives where link plate breakage or pin shear is an ongoing problem. Double Capacity roller chains operate on standard ASME/ANSI sprockets with hardened teeth. Offset Links are not available for this series.

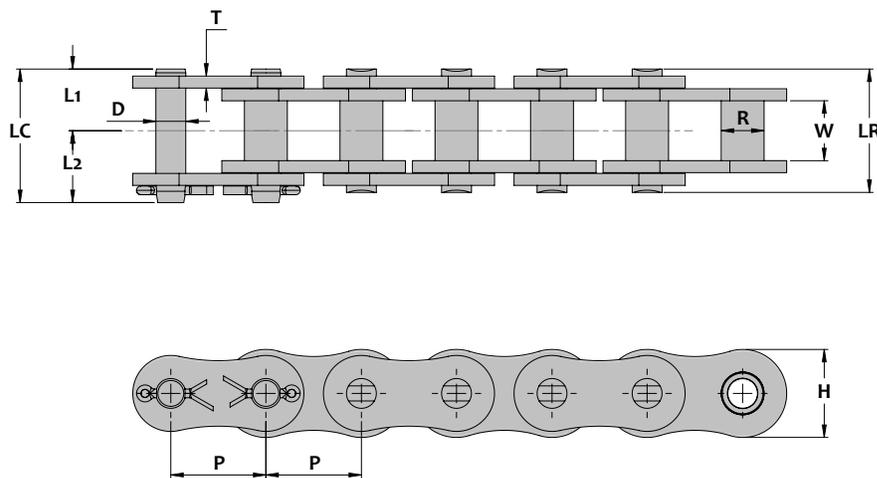


### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |           | Pin       |        |      |      |       | Side Plate  |                | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-------------------|-----------|-----------|--------|------|------|-------|-------------|----------------|--|-----------------------------------|--|
|                    |       |                  | Inside Width<br>W | Dia.<br>R | Dia.<br>D | Length |      |      |       | Height<br>H | Thickness<br>T |  |                                   |  |
|                    |       |                  |                   |           |           | L1     | L2   | LR   | LC    |             |                |  |                                   |  |
| C2040DC            | inch  | 1.000            | 0.312             | 0.313     | 0.156     | 0.45   | 0.52 | 0.91 | 0.97  | 0.449       | 0.060          | 8,590                                    | 905                               | 0.34                                   |
|                    | mm    | 25.40            | 7.92              | 7.95      | 3.96      | 11.5   | 13.2 | 23.0 | 24.7  | 11.4        | 1.5            | 3,905                                    | 411                               | 0.50                                   |
| C2050DC            | inch  | 1.250            | 0.400             | 0.375     | 0.200     | 0.57   | 0.63 | 1.13 | 1.20  | 0.591       | 0.080          | 14,340                                   | 1,510                             | 0.57                                   |
|                    | mm    | 31.75            | 10.16             | 9.53      | 5.08      | 14.4   | 16.1 | 28.8 | 30.5  | 15.0        | 2.0            | 8,520                                    | 686                               | 0.85                                   |
| C2060HDC           | inch  | 1.500            | 0.469             | 0.500     | 0.234     | 0.83   | 0.91 | 1.66 | 1.74  | 0.669       | 0.126          | 24,680                                   | 2,600                             | 0.98                                   |
|                    | mm    | 38.10            | 11.91             | 12.70     | 5.95      | 21.1   | 23.1 | 42.2 | 44.2  | 17.0        | 3.2            | 11,220                                   | 1,180                             | 1.46                                   |
| C2080HDC           | inch  | 2.000            | 0.625             | 0.625     | 0.312     | 1.02   | 1.15 | 2.05 | 2.17  | 0.890       | 0.157          | 40,560                                   | 4,270                             | 1.68                                   |
|                    | mm    | 50.80            | 15.88             | 15.88     | 7.93      | 26.0   | 29.1 | 52.0 | 55.1  | 22.6        | 4.0            | 18,435                                   | 1,940                             | 2.50                                   |
| C2100HDC           | inch  | 2.500            | 0.750             | 0.750     | 0.375     | 1.22   | 1.36 | 2.44 | 2.58  | 1.126       | 0.189          | 61,600                                   | 6,485                             | 2.55                                   |
|                    | mm    | 63.50            | 19.05             | 19.05     | 9.53      | 31.0   | 34.6 | 62.0 | 65.6  | 28.6        | 4.8            | 28,000                                   | 2,950                             | 3.81                                   |
| C2120HDC           | inch  | 3.000            | 1.000             | 0.875     | 0.437     | 1.53   | 1.7  | 3.06 | 3.23  | 1.374       | 0.220          | 83,630                                   | 8,805                             | 3.69                                   |
|                    | mm    | 76.20            | 25.40             | 22.23     | 11.10     | 38.9   | 43.2 | 77.8 | 82.1  | 34.9        | 5.6            | 38,015                                   | 4,000                             | 5.50                                   |
| C2160HDC           | inch  | 4.000            | 1.125             | 1.250     | 0.562     | 1.92   | 2.12 | 3.83 | 4.04  | 1.874       | 0.283          | 137,580                                  | 14,480                            | 6.22                                   |
|                    | mm    | 101.60           | 28.58             | 31.75     | 14.28     | 48.7   | 53.9 | 97.4 | 102.6 | 47.6        | 7.2            | 62,535                                   | 6,580                             | 9.27                                   |

## ASME/ANSI Rollerless Hoist Chain

ASME/ANSI Rollerless Hoist Chains are designed for high load tension linkage applications such as hoists, lifts or reciprocating motion equipment. Chain pins are through hardened and quad stacked for additional strength and holding power. Offset links are not available for these chains. The chain numbers are the same as ASME/ANSI standard Roller Chains except that the last digit is changed to a "5" instead of a "0".

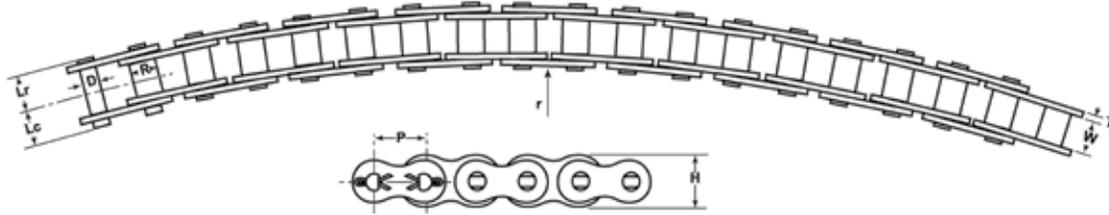


### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Bushing   |                   |           | Pin    |      |      |      | Side Plate  |             | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-----------|-------------------|-----------|--------|------|------|------|-------------|-------------|--|-----------------------------------|--|
|                    |       |                  | Dia.<br>R | Inside Width<br>W | Dia.<br>D | Length |      |      |      | Height<br>H | Thick.<br>T |  |                                   |  |
|                    |       |                  |           |                   |           | L1     | L2   | LR   | LC   |             |             |  |                                   |  |
| 65                 | inch  | 0.750            | 0.330     | 0.500             | 0.234     | 0.50   | 0.56 | 1.01 | 1.06 | 0.689       | 0.094       | 10,300                                   | 2,475                             | 0.81                                   |
|                    | mm    | 19.05            | 8.38      | 12.70             | 5.94      | 12.8   | 14.1 | 25.6 | 26.9 | 17.5        | 2.4         | 4,680                                    | 1,125                             | 1.21                                   |
| 85                 | inch  | 1.000            | 0.448     | 0.625             | 0.312     | 0.65   | 0.75 | 1.29 | 1.40 | 0.921       | 0.126       | 17,850                                   | 4,135                             | 1.41                                   |
|                    | mm    | 25.40            | 11.38     | 15.88             | 7.92      | 16.4   | 19.1 | 32.8 | 35.5 | 23.4        | 3.2         | 8,115                                    | 1,880                             | 2.10                                   |
| 105                | inch  | 1.250            | 0.533     | 0.750             | 0.375     | 0.78   | 0.92 | 1.55 | 1.69 | 1.154       | 0.157       | 26,750                                   | 6,360                             | 2.08                                   |
|                    | mm    | 31.75            | 13.54     | 19.05             | 9.53      | 19.7   | 23.3 | 39.4 | 43.0 | 29.3        | 4.0         | 12,160                                   | 2,890                             | 3.10                                   |
| 125                | inch  | 1.500            | 0.627     | 1.000             | 0.437     | 0.98   | 1.13 | 1.95 | 2.10 | 1.382       | 0.188       | 39,110                                   | 8,540                             | 3.04                                   |
|                    | mm    | 38.10            | 15.92     | 25.40             | 11.10     | 24.8   | 28.6 | 49.6 | 53.4 | 35.1        | 4.8         | 17,775                                   | 3,880                             | 4.53                                   |

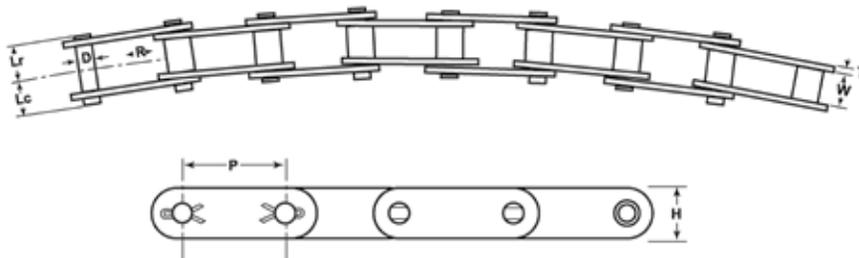
# Side Bow (Curved) Roller Chain

Side Bow (Curved) roller chains are designed with extra clearance between pins, bushings and link plates to allow operation around a curved path and/or a required twist.



Chain Dimensions - ASME/ANSI Standard

| MAXCO Chain Number | Units | Chain Pitch<br>P | Bushing |              | Pin   |        |      | Side Plate |        | Minimum Curve Radius<br>r | Average Ultimate Strength<br>lbs<br>kN | Rated Working Load<br>lbs<br>kN | Average Chain Weight<br>lbs/ft<br>kg/m |
|--------------------|-------|------------------|---------|--------------|-------|--------|------|------------|--------|---------------------------|--|---------------------------------|--|
|                    |       |                  | Dia.    | Inside Width | Dia   | Length |      | Height     | Thick. |                           |  |                                 |  |
|                    |       |                  | R       | W            | D     | Lr     | Lc   | H          | T      |                           |  |                                 |  |
| 40SB               | inch  | 0.500            | 0.312   | 0.313        | 0.141 | 0.33   | 0.41 | 0.461      | 0.060  | 13.78                     | 3,350                                  | 400                             | 0.42                                   |
|                    | mm    | 12.70            | 7.92    | 7.95         | 3.58  | 8.5    | 10.4 | 11.7       | 1.5    | 350                       | 14.9                                   | 1.77                            | 0.63                                   |
| 50SB               | inch  | 0.625            | 0.400   | 0.375        | 0.175 | 0.42   | 0.49 | 0.575      | 0.080  | 15.75                     | 4,970                                  | 705                             | 0.69                                   |
|                    | mm    | 15.875           | 10.16   | 9.53         | 4.45  | 10.6   | 12.5 | 14.6       | 2.0    | 400                       | 22.1                                   | 3.14                            | 1.03                                   |
| 60SB               | inch  | 0.750            | 0.469   | 0.500        | 0.200 | 0.52   | 0.59 | 0.689      | 0.094  | 19.69                     | 6,610                                  | 950                             | 0.98                                   |
|                    | mm    | 19.05            | 11.91   | 12.70        | 5.08  | 13.2   | 14.9 | 17.5       | 2.4    | 500                       | 29.4                                   | 4.22                            | 1.46                                   |
| 80SB               | inch  | 1.000            | 0.625   | 0.625        | 0.281 | 0.66   | 0.78 | 0.921      | 0.126  | 23.62                     | 13,020                                 | 1,720                           | 1.62                                   |
|                    | mm    | 25.40            | 15.88   | 15.88        | 7.13  | 16.7   | 19.7 | 23.4       | 3.2    | 600                       | 57.9                                   | 7.65                            | 2.42                                   |



Chain Dimensions - ASME/ANSI Double Pitch

| MAXCO Chain Number | Units | Chain Pitch<br>P | Bushing |              | Pin   |        |      | Side Plate |        | Minimum Curve Radius<br>r | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|---------|--------------|-------|--------|------|------------|--------|---------------------------|--|-----------------------------------|--|
|                    |       |                  | Dia.    | Inside Width | Dia   | Length |      | Height     | Thick. |                           |  |                                   |  |
|                    |       |                  | R       | W            | D     | Lr     | Lc   | H          | T      |                           |  |                                   |  |
| C2040SB            | inch  | 1.00             | 0.312   | 0.313        | 0.141 | 0.33   | 0.41 | 0.449      | 0.060  | 27.56                     | 3,350                                    | 400                               | 0.32                                   |
|                    | mm    | 25.40            | 7.92    | 7.95         | 3.58  | 8.5    | 10.4 | 11.4       | 1.5    | 700                       | 1,525                                    | 182                               | 0.48                                   |
| C2042SB            | inch  |                  | 0.625   |              |       |        |      |            |        |                           |  |                                   | 0.55                                   |
|                    | mm    |                  | 15.88   |              |       |        |      |            |        |                           |  |                                   | 0.82                                   |
| C2050SB            | inch  | 1.25             | 0.400   | 0.375        | 0.175 | 0.42   | 0.49 | 0.591      | 0.080  | 31.50                     | 4,970                                    | 705                               | 0.55                                   |
|                    | mm    | 31.75            | 10.16   | 9.53         | 4.45  | 10.6   | 12.5 | 15.0       | 2.0    | 800                       | 2,260                                    | 320                               | 0.82                                   |
| C2052SB            | inch  |                  | 0.750   |              |       |        |      |            |        |                           |  |                                   | 0.84                                   |
|                    | mm    |                  | 19.05   |              |       |        |      |            |        |                           |  |                                   | 1.26                                   |
| C2060SB            | inch  | 1.500            | 0.469   | 0.500        | 0.200 | 0.52   | 0.59 | 0.669      | 0.094  | 39.37                     | 6,610                                    | 950                               | 0.80                                   |
|                    | mm    | 38.10            | 11.91   | 12.70        | 5.08  | 13.2   | 14.9 | 17.0       | 2.4    | 1,000                     | 3,005                                    | 432                               | 1.20                                   |
| C2062SB            | inch  |                  | 0.875   |              |       |        |      |            |        |                           |  |                                   | 1.35                                   |
|                    | mm    |                  | 22.23   |              |       |        |      |            |        |                           |  |                                   | 2.01                                   |

# Corrosion and Temperature Resistant Roller Chain

## General Information

We offer a variety of corrosion and/or temperature resistant roller chain products to suit the particular needs of almost any application. These range from plated or coated carbon steels to a number of different stainless steel types that may be selected based on the desired combination of wear resistance, strength, corrosion resistance and resistance to extremes in operating temperatures.

### Nickel Plating

Suitable for mild corrosive conditions such as outdoor service. Often used for decorative purposes. Chain components are plated prior to assembly for uniform coverage of internal components.

### Perfect Coat Plus®

A unique dual coating consisting of a mechanically applied zinc alloy and a chemical sealer that provides up to 30 times more resistance to rust compared with conventional nickel plating in salt water testing. The coating is extremely durable and will not chip flake or peel during chain assembly. Excellent for usage on conveyors that have wash down stations and subject the chains to mild detergents or soaps.

### Type 304 Stainless

Our standard stainless steel product offers excellent resistance to corrosion and operates successfully over a wide range of temperatures. This material is slightly magnetic due to the work hardening of the components during the manufacturing processes.

### Type 316 Stainless

This material possess greater corrosion and temperature resistance compared with Type 304SS. It is often used in the food processing industry due to its resistance to stress corrosion cracking in the presence of chlorides such as are found in liquid smoke. The magnetic permeability of this material is extremely low and is often considered nonmagnetic however it is not considered to be spark proof.

### 600 Series Stainless

Pins, bushings and rollers are made from 17-7PH stainless steels which can be hardened for improved resistance to wear elongation. The corrosion resistance of this chain is similar to Type 304SS. The operating temperature range of this material however is not as great as Type 304SS.

### Mega Chain:

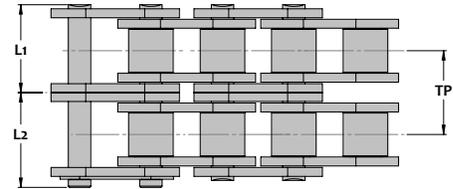
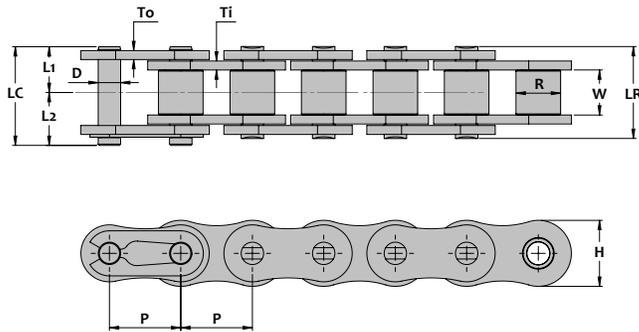
A high strength 304 stainless steel chain. Available in two versions which use different mechanical configurations to obtain additional strength. Both versions offer higher working loads due to a greater pin/bushing bearing area and a unique labyrinth type seal that helps prevent the penetration of abrasive foreign materials to the internal wearing components.

## General Properties of Corrosion Resistant Roller Chain Products

| Chain              | Corrosion Resistance | Temperature Resistance           | Wear Resistance | Strength  | Magnetism         |
|--------------------|----------------------|----------------------------------|-----------------|-----------|-------------------|
| Nickel Plate       | Fair                 | 14°F - 150°F<br>-10°C - 65°C     | Excellent       | Excellent | Magnetic          |
| Perfect Coat Plus® | Good                 | 14°F - 150°F<br>-10°C - 65°C     | Excellent       | Excellent | Magnetic          |
| 304 Stainless      | Very Good            | -250°F - 750°F<br>-155°C - 400°C | Fair            | Fair      | Slightly Magnetic |
| 316 Stainless      | Excellent            | -250°F - 950°F<br>-155°C - 510°C | Fair            | Fair      | Non-magnetic      |
| 600 Stainless      | Very Good            | -50°F - 750°F<br>-45°C - 400°C   | Very Good       | Fair      | Slightly Magnetic |
| Mega Chain         | Very Good            | -250°F - 750°F<br>-155°C - 400°C | Very Good       | Excellent | Slightly Magnetic |



# ISO 606B British Standard Nickel Plated Roller Chain



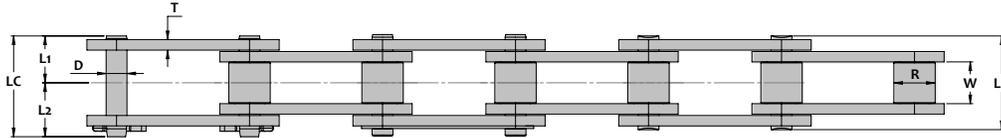
Chain Dimensions - Single Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |           |           | Pin    |      |      |      | Side Plate  |           |       | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-------------------|-----------|-----------|--------|------|------|------|-------------|-----------|-------|--------------------|--|-----------------------------------|--|
|                    |       |                  | Inside Width<br>W | Dia.<br>R | Dia.<br>D | Length |      |      |      | Height<br>H | Thickness |       |                    |  |                                   |  |
|                    |       |                  |                   |           |           | L1     | L2   | LR   | LC   |             | To        | Ti    |                    |  |                                   |  |
| 06BNP              | inch  | 0.375            | 0.225             | 0.250     | 0.130     | 0.25   | 0.28 | 0.50 | 0.53 | 0.323       | 0.040     | 0.050 | -                  | 2,200                                    | 400                               | 0.29                                   |
|                    | mm    | 9.525            | 5.72              | 6.35      | 3.28      | 6.3    | 7.1  | 12.6 | 13.4 | 8.2         | 1.0       | 1.25  | -                  | 1,000                                    | 182                               | 0.43                                   |
| 08BNP              | inch  | 0.500            | 0.305             | 0.335     | 0.175     | 0.33   | 0.39 | 0.66 | 0.72 | 0.465       | 0.060     |       | -                  | 4,400                                    | 705                               | 0.41                                   |
|                    | mm    | 12.70            | 7.75              | 8.51      | 4.45      | 8.4    | 9.8  | 16.7 | 18.2 | 11.8        | 1.5       |       | -                  | 2,000                                    | 320                               | 0.61                                   |
| 10BNP              | inch  | 0.625            | 0.380             | 0.400     | 0.200     | 0.37   | 0.44 | 0.75 | 0.81 | 0.579       | 0.065     |       | -                  | 5,600                                    | 1,100                             | 0.60                                   |
|                    | mm    | 15.875           | 9.65              | 10.16     | 5.08      | 9.5    | 11.2 | 19.0 | 20.7 | 14.7        | 1.65      |       | -                  | 2,545                                    | 500                               | 0.89                                   |
| 12BNP              | inch  | 0.750            | 0.460             | 0.475     | 0.225     | 0.43   | 0.50 | 0.87 | 0.93 | 0.634       | 0.070     |       | -                  | 7,190                                    | 1,585                             | 0.76                                   |
|                    | mm    | 19.05            | 11.68             | 12.07     | 5.7       | 11.0   | 12.6 | 22.0 | 23.6 | 16.1        | 1.8       |       | -                  | 3,270                                    | 720                               | 1.14                                   |
| 16BNP              | inch  | 1.000            | 0.670             | 0.625     | 0.325     | 0.69   | 0.81 | 1.38 | 1.50 | 0.827       | 0.126     | 0.157 | -                  | 15,400                                   | 2,835                             | 1.74                                   |
|                    | mm    | 25.40            | 17.02             | 15.88     | 8.26      | 17.6   | 20.6 | 35.1 | 38.2 | 21.0        | 3.2       | 4.0   | -                  | 7,000                                    | 1,290                             | 2.59                                   |
| 20BNP              | inch  | 1.250            | 0.770             | 0.750     | 0.400     | 0.79   | 0.94 | 1.58 | 1.73 | 1.039       | 0.138     | 0.177 | -                  | 23,800                                   | 4,405                             | 2.52                                   |
|                    | mm    | 31.75            | 19.56             | 19.05     | 10.16     | 20.1   | 23.9 | 40.2 | 44.0 | 26.4        | 3.5       | 4.5   | -                  | 10,820                                   | 2,000                             | 3.76                                   |

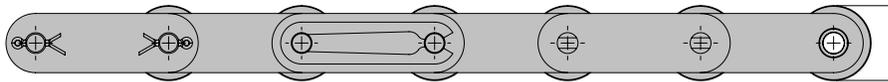
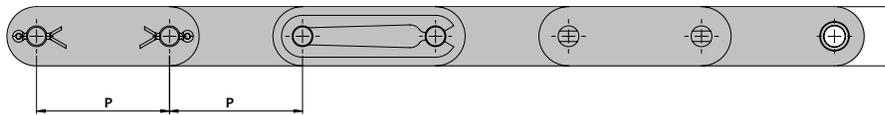
Chain Dimensions - Double Strand

|         |      |        |       |       |       |      |      |      |      |       |       |       |       |        |       |      |
|---------|------|--------|-------|-------|-------|------|------|------|------|-------|-------|-------|-------|--------|-------|------|
| 06B-2NP | inch | 0.375  | 0.225 | 0.250 | 0.130 | 0.45 | 0.48 | 0.90 | 0.93 | 0.323 | 0.040 | 0.050 | 0.403 | 4,360  | 675   | 0.54 |
|         | mm   | 9.525  | 5.72  | 6.35  | 3.28  | 11.4 | 12.3 | 22.9 | 23.7 | 8.2   | 1.0   | 1.25  | 10.24 | 1,980  | 307   | 0.81 |
| 08B-2NP | inch | 0.500  | 0.305 | 0.335 | 0.175 | 0.60 | 0.65 | 1.20 | 1.26 | 0.465 | 0.060 |       | 0.548 | 7,760  | 1,205 | 0.84 |
|         | mm   | 12.70  | 7.75  | 8.51  | 4.45  | 15.3 | 16.6 | 30.6 | 31.9 | 11.8  | 1.5   |       | 13.92 | 3,525  | 548   | 1.26 |
| 10B-2NP | inch | 0.625  | 0.380 | 0.400 | 0.200 | 0.70 | 0.77 | 1.40 | 1.47 | 0.579 | 0.065 |       | 0.653 | 11,200 | 1,875 | 1.20 |
|         | mm   | 15.875 | 9.65  | 10.16 | 5.08  | 17.8 | 19.5 | 35.6 | 37.3 | 14.7  | 1.65  |       | 16.59 | 5,090  | 852   | 1.79 |
| 12B-2NP | inch | 0.750  | 0.460 | 0.475 | 0.225 | 0.82 | 0.88 | 1.64 | 1.70 | 0.634 | 0.070 |       | 0.766 | 14,390 | 2,700 | 1.53 |
|         | mm   | 19.05  | 11.68 | 12.07 | 5.7   | 20.8 | 22.3 | 41.6 | 43.1 | 16.1  | 1.8   |       | 19.46 | 6,540  | 1,225 | 2.28 |
| 16B-2NP | inch | 1.000  | 0.670 | 0.625 | 0.325 | 1.32 | 1.44 | 2.64 | 2.76 | 0.827 | 0.126 | 0.157 | 1.255 | 30,300 | 4,810 | 3.44 |
|         | mm   | 25.40  | 17.02 | 15.88 | 8.26  | 33.6 | 36.5 | 67.2 | 70.1 | 21.0  | 3.2   | 4.0   | 31.88 | 13,775 | 2,185 | 5.13 |
| 20B-2NP | inch | 1.250  | 0.770 | 0.750 | 0.400 | 1.51 | 1.66 | 3.02 | 3.17 | 1.039 | 0.138 | 0.177 | 1.435 | 46,700 | 7,485 | 4.87 |
|         | mm   | 31.75  | 19.56 | 19.05 | 10.16 | 38.4 | 42.2 | 76.8 | 80.6 | 26.4  | 3.5   | 4.5   | 36.45 | 21,225 | 3,400 | 7.26 |

## ASME/ANSI Double Pitch Nickel Plated Roller Chain



Standard Roller



Large Roller

### Chain Dimensions - Standard Roller

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              | Pin   |        |      |      |      | Side Plate |        | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|------|------|------------|--------|--|-----------------------------------|--|
|                    |       |                  | Dia.   | Inside Width | Dia   | Length |      |      |      | Height     | Thick. |  |                                   |  |
|                    |       |                  | R      | W            | D     | L1     | L2   | LR   | LC   | H          | T      |  |                                   |  |
| C2040NP            | inch  | 1.000            | 0.312  | 0.313        | 0.156 | 0.32   | 0.41 | 0.65 | 0.73 | 0.449      | 0.060  | 3,800                                    | 595                               | 0.32                                   |
|                    | mm    | 25.40            | 7.92   | 7.95         | 3.96  | 8.2    | 10.3 | 16.4 | 18.5 | 11.4       | 1.5    | 1,725                                    | 270                               | 0.48                                   |
| C2050NP            | inch  | 1.250            | 0.400  | 0.375        | 0.200 | 0.40   | 0.46 | 0.80 | 0.87 | 0.591      | 0.080  | 6,200                                    | 970                               | 0.55                                   |
|                    | mm    | 31.75            | 10.16  | 9.53         | 5.08  | 10.2   | 11.8 | 20.4 | 22.0 | 15.0       | 2.0    | 2,820                                    | 441                               | 0.82                                   |
| C2060HNP           | inch  | 1.500            | 0.469  | 0.500        | 0.234 | 0.57   | 0.65 | 1.13 | 1.22 | 0.669      | 0.126  | 9,050                                    | 1,865                             | 0.93                                   |
|                    | mm    | 38.10            | 11.91  | 12.70        | 5.95  | 14.4   | 16.6 | 28.8 | 31.0 | 17.0       | 3.2    | 4,115                                    | 848                               | 1.38                                   |
| C2080HNP           | inch  | 2.000            | 0.625  | 0.625        | 0.312 | 0.70   | 0.83 | 1.40 | 1.53 | 0.890      | 0.157  | 15,500                                   | 3,415                             | 1.56                                   |
|                    | mm    | 50.80            | 15.88  | 15.88        | 7.93  | 17.8   | 21.0 | 35.6 | 38.8 | 22.6       | 4.0    | 7,045                                    | 1,550                             | 2.32                                   |

### Chain Dimensions - Large Roller

|          |      |       |       |       |       |      |      |      |      |       |       |        |       |      |
|----------|------|-------|-------|-------|-------|------|------|------|------|-------|-------|--------|-------|------|
| C2042NP  | inch | 1.000 | 0.625 | 0.313 | 0.156 | 0.32 | 0.41 | 0.65 | 0.73 | 0.449 | 0.060 | 3,800  | 595   | 0.55 |
|          | mm   | 25.40 | 15.88 | 7.95  | 3.96  | 8.2  | 10.3 | 16.4 | 18.5 | 11.4  | 1.5   | 1,725  | 270   | 0.82 |
| C2052NP  | inch | 1.250 | 0.750 | 0.375 | 0.200 | 0.40 | 0.46 | 0.80 | 0.87 | 0.591 | 0.080 | 6,200  | 970   | 0.84 |
|          | mm   | 31.75 | 19.05 | 9.53  | 5.08  | 10.2 | 11.8 | 20.4 | 22.0 | 15.0  | 2.0   | 2,820  | 441   | 1.26 |
| C2062HNP | inch | 1.500 | 0.875 | 0.500 | 0.234 | 0.57 | 0.65 | 1.13 | 1.22 | 0.669 | 0.126 | 9,050  | 1,865 | 1.39 |
|          | mm   | 38.10 | 22.23 | 12.70 | 5.95  | 14.4 | 16.6 | 28.8 | 31.0 | 17.0  | 3.2   | 4,115  | 848   | 2.08 |
| C2082HNP | inch | 2.000 | 1.125 | 0.625 | 0.312 | 0.70 | 0.83 | 1.40 | 1.53 | 0.890 | 0.157 | 15,500 | 3,415 | 2.25 |
|          | mm   | 50.80 | 28.58 | 15.88 | 7.93  | 17.8 | 21.0 | 35.6 | 38.8 | 22.6  | 4.0   | 7,045  | 1,550 | 3.36 |



## A Mechanical Rust Prevention System

*Perfect Coat Plus II™ chains offer up to thirty times more protection from corrosive damage compared with conventional nickel plated products. These improved chains feature a mechanical rust prevention system which utilizes a zinc-alloy-iron film coating. The resulting film is extremely durable and will not chip, flake, peel or rust in many mildly corrosive applications.*



Traditional Dip-Spin  
Zinc-Chrome Coating

Nickel Plated

Carbon Steel

Perfect Coat  
Plus II™



**Carbon Steel Chain**



**Nickel Plated Chain**

After 2 weeks both the carbon steel and nickel plated chains exhibit substantial rust. The chain joints have frozen stiff making the chain difficult to flex.

## Salt Water Corrosion Test

Roller chains submerged in and out of an aerated 5% salt water solution (equivalent to seawater). Carbon steel, nickel plated, Dip-Spin Zinc Chromate and Perfect Coat Plus II™ chains are tested for 14 days.

**The Dip-Spin sample and Perfect Coat Plus II™ chain show significantly less rust after two weeks of testing.**

Note that rust development on the Dip-Spin sample (Top in photo) begins where the bushing is press fitted into the link plate. When the chain was assembled, the coating chipped, peeled or flaked, causing a corrosive attack at this area. Eventually this rust will spread underneath the plated surface reducing chain life.

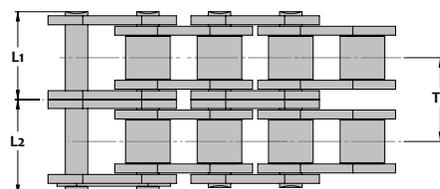
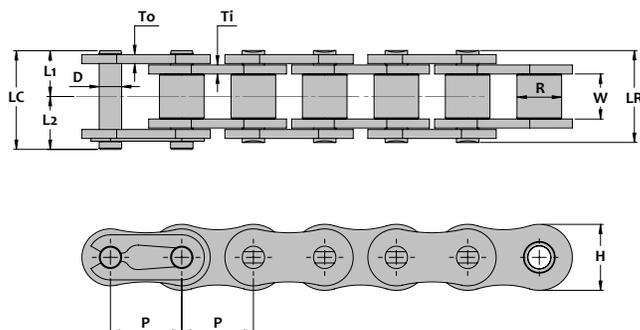


**Rust development at the press fit area.**

Perfect Coat Plus II™ is a significantly more durable coating which does not chip, flake or peel. Virtually no rust developed on this sample.



## ISO 606B British Standard Perfect Coat Plus® Roller Chain



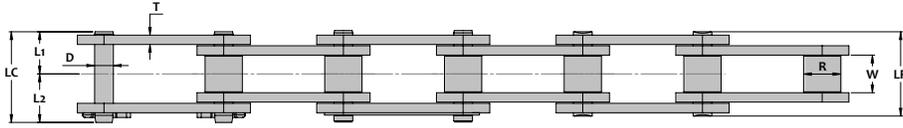
### Chain Dimensions - Single Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |           |           | Pin    |      |      |      | Side Plate  |           |       | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-------------------|-----------|-----------|--------|------|------|------|-------------|-----------|-------|--------------------|--|-----------------------------------|--|
|                    |       |                  | Inside Width<br>W | Dia.<br>R | Dia.<br>D | Length |      |      |      | Height<br>H | Thickness |       |                    |  |                                   |  |
|                    |       |                  |                   |           |           | L1     | L2   | LR   | LC   |             | To        | Ti    |                    |  |                                   |  |
| 06BPCP             | inch  | 0.375            | 0.225             | 0.250     | 0.130     | 0.25   | 0.28 | 0.50 | 0.53 | 0.323       | 0.040     | 0.050 | -                  | 2,200                                    | 400                               | 0.29                                   |
|                    | mm    | 9.525            | 5.72              | 6.35      | 3.28      | 6.3    | 7.1  | 12.6 | 13.4 | 8.2         | 1.0       | 1.25  | -                  | 1,000                                    | 182                               | 0.43                                   |
| 08BPCP             | inch  | 0.500            | 0.305             | 0.335     | 0.175     | 0.33   | 0.39 | 0.66 | 0.72 | 0.465       | 0.060     |       | -                  | 4,400                                    | 705                               | 0.41                                   |
|                    | mm    | 12.70            | 7.75              | 8.51      | 4.45      | 8.4    | 9.8  | 16.7 | 18.2 | 11.8        | 1.5       |       | -                  | 2,000                                    | 320                               | 0.61                                   |
| 10BPCP             | inch  | 0.625            | 0.380             | 0.400     | 0.200     | 0.37   | 0.44 | 0.75 | 0.81 | 0.579       | 0.065     |       | -                  | 5,600                                    | 1,100                             | 0.60                                   |
|                    | mm    | 15.875           | 9.65              | 10.16     | 5.08      | 9.5    | 11.2 | 19.0 | 20.7 | 14.7        | 1.65      |       | -                  | 5,600                                    | 500                               | 0.89                                   |
| 12BPCP             | inch  | 0.750            | 0.460             | 0.475     | 0.225     | 0.43   | 0.50 | 0.87 | 0.93 | 0.634       | 0.070     |       | -                  | 7,190                                    | 1,585                             | 0.76                                   |
|                    | mm    | 19.05            | 11.68             | 12.07     | 5.7       | 11.0   | 12.6 | 22.0 | 23.6 | 16.1        | 1.8       |       | -                  | 3,270                                    | 720                               | 1.14                                   |
| 16BPCP             | inch  | 1.000            | 0.670             | 0.625     | 0.325     | 0.69   | 0.81 | 1.38 | 1.50 | 0.827       | 0.126     | 0.157 | -                  | 15,400                                   | 2,835                             | 1.74                                   |
|                    | mm    | 25.40            | 17.02             | 15.88     | 8.26      | 17.6   | 20.6 | 35.1 | 38.2 | 21.0        | 3.2       | 4.0   | -                  | 7,000                                    | 1,290                             | 2.59                                   |
| 20BPCP             | inch  | 1.250            | 0.770             | 0.750     | 0.400     | 0.79   | 0.94 | 1.58 | 1.73 | 1.039       | 0.138     | 0.177 | -                  | 23,800                                   | 4,405                             | 2.52                                   |
|                    | mm    | 31.75            | 19.56             | 19.05     | 10.16     | 20.1   | 23.9 | 40.2 | 44.0 | 26.4        | 3.5       | 4.5   | -                  | 10,820                                   | 2,000                             | 3.76                                   |

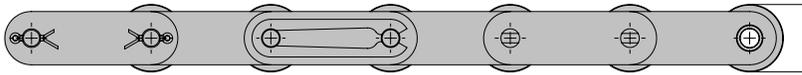
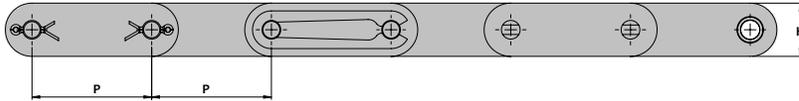
### Chain Dimensions - Double Strand

|          |      |        |       |       |       |      |      |      |      |       |       |       |       |        |       |      |
|----------|------|--------|-------|-------|-------|------|------|------|------|-------|-------|-------|-------|--------|-------|------|
| 06B-2PCP | inch | 0.375  | 0.225 | 0.250 | 0.130 | 0.45 | 0.48 | 0.90 | 0.93 | 0.323 | 0.040 | 0.050 | 0.403 | 4,360  | 675   | 0.54 |
|          | mm   | 9.525  | 5.72  | 6.35  | 3.28  | 11.4 | 12.3 | 22.9 | 23.7 | 8.2   | 1.0   | 1.25  | 10.24 | 1,980  | 307   | 0.81 |
| 08B-2PCP | inch | 0.500  | 0.305 | 0.335 | 0.175 | 0.60 | 0.65 | 1.20 | 1.26 | 0.465 | 0.060 |       | 0.548 | 7,760  | 1,205 | 0.84 |
|          | mm   | 12.70  | 7.75  | 8.51  | 4.45  | 15.3 | 16.6 | 30.6 | 31.9 | 11.8  | 1.5   |       | 13.92 | 3,525  | 548   | 1.26 |
| 10B-2PCP | inch | 0.625  | 0.380 | 0.400 | 0.200 | 0.70 | 0.77 | 1.40 | 1.47 | 0.579 | 0.065 |       | 0.653 | 11,200 | 1,875 | 1.20 |
|          | mm   | 15.875 | 9.65  | 10.16 | 5.08  | 17.8 | 19.5 | 35.6 | 37.3 | 14.7  | 1.65  |       | 16.59 | 5,090  | 852   | 1.79 |
| 12B-2PCP | inch | 0.750  | 0.460 | 0.475 | 0.225 | 0.82 | 0.88 | 1.64 | 1.70 | 0.634 | 0.070 |       | 0.766 | 14,390 | 2,700 | 1.53 |
|          | mm   | 19.05  | 11.68 | 12.07 | 5.7   | 20.8 | 22.3 | 41.6 | 43.1 | 16.1  | 1.8   |       | 19.46 | 6,540  | 1,225 | 2.28 |
| 16B-2PCP | inch | 1.000  | 0.670 | 0.625 | 0.325 | 1.32 | 1.44 | 2.64 | 2.76 | 0.827 | 0.126 | 0.157 | 1.255 | 30,300 | 4,810 | 3.44 |
|          | mm   | 25.40  | 17.02 | 15.88 | 8.26  | 33.6 | 36.5 | 67.2 | 70.1 | 21.0  | 3.2   | 4.0   | 31.88 | 13,775 | 2,185 | 5.13 |
| 20B-2PCP | inch | 1.250  | 0.770 | 0.750 | 0.400 | 1.51 | 1.66 | 3.02 | 3.17 | 1.039 | 0.138 | 0.177 | 1.435 | 46,700 | 7,485 | 4.87 |
|          | mm   | 31.75  | 19.56 | 19.05 | 10.16 | 38.4 | 42.2 | 76.8 | 80.6 | 26.4  | 3.5   | 4.5   | 36.45 | 21,225 | 3,400 | 7.26 |

# ASME/ANSI Double Pitch Perfect Coat Plus® Roller Chain



Standard Roller



Large Roller

## Chain Dimensions - Standard Roller

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |      |      |        | Side Plate |       | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|------|--------|------------|-------|--|-----------------------------------|--|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |      |      | Height | Thick.     |       |  |                                   |  |
|                    |       |                  | R      | W            |       | L1     | L2   | LR   |        |            | LC    |  |                                   |  |
| C2040PCP           | inch  | 1.000            | 0.312  | 0.313        | 0.156 | 0.32   | 0.41 | 0.65 | 0.73   | 0.449      | 0.060 | 3,800                                    | 815                               | 0.32                                   |
|                    | mm    | 25.40            | 7.92   | 7.95         | 3.96  | 8.2    | 10.3 | 16.4 | 18.5   | 11.4       | 1.5   | 1,725                                    | 370                               | 0.48                                   |
| C2050PCP           | inch  | 1.250            | 0.400  | 0.375        | 0.200 | 0.40   | 0.46 | 0.80 | 0.87   | 0.591      | 0.080 | 6,200                                    | 1,410                             | 0.55                                   |
|                    | mm    | 31.75            | 10.16  | 9.53         | 5.08  | 10.2   | 11.8 | 20.4 | 22.0   | 15.0       | 2.0   | 2,820                                    | 641                               | 0.82                                   |
| C2060HPCP          | inch  | 1.500            | 0.469  | 0.500        | 0.234 | 0.57   | 0.65 | 1.13 | 1.22   | 0.669      | 0.126 | 9,050                                    | 1,940                             | 0.93                                   |
|                    | mm    | 38.10            | 11.91  | 12.70        | 5.95  | 14.4   | 16.6 | 28.8 | 31.0   | 17.0       | 3.2   | 4,115                                    | 882                               | 1.38                                   |
| C2080HPCP          | inch  | 2.000            | 0.625  | 0.625        | 0.312 | 0.70   | 0.83 | 1.40 | 1.53   | 0.890      | 0.157 | 15,500                                   | 3,305                             | 1.56                                   |
|                    | mm    | 50.80            | 15.88  | 15.88        | 7.93  | 17.8   | 21.0 | 35.6 | 38.8   | 22.6       | 4.0   | 7,045                                    | 1,500                             | 2.32                                   |
| C2100HPCP          | inch  | 2.500            | 0.750  | 0.750        | 0.375 | 0.83   | 0.97 | 1.66 | 1.80   | 1.126      | 0.189 | 24,300                                   | 5,080                             | 2.32                                   |
|                    | mm    | 63.50            | 19.05  | 19.05        | 9.53  | 21.1   | 24.6 | 42.2 | 45.7   | 28.6       | 4.8   | 11,045                                   | 2,310                             | 3.46                                   |
| C2120HPCP          | inch  | 3.000            | 0.875  | 1.000        | 0.437 | 1.04   | 1.21 | 2.07 | 2.24   | 1.374      | 0.220 | 34,000                                   | 6,830                             | 3.30                                   |
|                    | mm    | 76.20            | 22.23  | 25.40        | 11.10 | 26.3   | 30.7 | 52.6 | 57.0   | 34.9       | 5.6   | 15,455                                   | 3,105                             | 4.92                                   |

## Chain Dimensions - Large Roller

|           |      |       |       |       |       |      |      |      |      |       |       |        |       |      |
|-----------|------|-------|-------|-------|-------|------|------|------|------|-------|-------|--------|-------|------|
| C2042PCP  | inch | 1.000 | 0.625 | 0.313 | 0.156 | 0.32 | 0.41 | 0.65 | 0.73 | 0.449 | 0.060 | 3,800  | 815   | 0.55 |
|           | mm   | 25.40 | 15.88 | 7.95  | 3.96  | 8.2  | 10.3 | 16.4 | 18.5 | 11.4  | 1.5   | 1,725  | 370   | 0.82 |
| C2052PCP  | inch | 1.250 | 0.750 | 0.375 | 0.200 | 0.40 | 0.46 | 0.80 | 0.87 | 0.591 | 0.080 | 6,200  | 1,410 | 0.84 |
|           | mm   | 31.75 | 19.05 | 9.53  | 5.08  | 10.2 | 11.8 | 20.4 | 22.0 | 15.0  | 2.0   | 2,820  | 641   | 1.26 |
| C2062HPCP | inch | 1.500 | 0.875 | 0.500 | 0.234 | 0.57 | 0.65 | 1.13 | 1.22 | 0.669 | 0.126 | 9,050  | 1,940 | 1.39 |
|           | mm   | 38.10 | 22.23 | 12.70 | 5.95  | 14.4 | 16.6 | 28.8 | 31.0 | 17.0  | 3.2   | 4,115  | 882   | 2.08 |
| C2082HPCP | inch | 2.000 | 1.125 | 0.625 | 0.312 | 0.70 | 0.83 | 1.40 | 1.53 | 0.890 | 0.157 | 15,500 | 3,305 | 2.25 |
|           | mm   | 50.80 | 28.58 | 15.88 | 7.93  | 17.8 | 21.0 | 35.6 | 38.8 | 22.6  | 4.0   | 7,045  | 1,500 | 3.36 |
| C2102HPCP | inch | 2.500 | 1.562 | 0.750 | 0.375 | 0.83 | 0.97 | 1.66 | 1.80 | 1.126 | 0.189 | 24,300 | 5,080 | 3.78 |
|           | mm   | 63.50 | 39.67 | 19.05 | 9.53  | 21.1 | 24.6 | 42.2 | 45.7 | 28.6  | 4.8   | 11,045 | 2,310 | 5.64 |
| C2122HPCP | inch | 3.000 | 1.750 | 1.000 | 0.437 | 1.04 | 1.21 | 2.07 | 2.24 | 1.374 | 0.220 | 34,000 | 6,830 | 5.28 |
|           | mm   | 76.20 | 44.45 | 25.40 | 11.10 | 26.3 | 30.7 | 52.6 | 57.0 | 34.9  | 5.6   | 15,455 | 3,105 | 7.87 |

# Stainless Steel Roller Chain - General Information

## General Information - Stainless Steels

**Type 304 Stainless** All parts are made from AISI Type 304 (18-8) austenitic stainless steel. This material offers very good chemical and temperature resistance in a wide range of diverse applications. Because Type 304 stainless steel cannot be heat treated the mechanical strength and wear performance is inferior to standard carbon steel chains.

**Type 316 Stainless** All parts are made from AISI Type 316 Molybdenum-bearing stainless steel. The molybdenum gives the alloy better overall corrosion resistance compared with Type 304 stainless steel particularly higher resistance to pitting and stress corrosion cracking in the presence of chlorides. Mechanical strength and wear performance are similar to Type 304 stainless steel chain.

**600 Series Stainless** Pins, bushings and rollers are made from 17-4PH stainless steels which can be age hardened for improved resistance to wear elongation. The corrosion resistance of this series is similar (though slightly inferior) to Type 304 stainless steel. The operating temperature range of this material however is also not as wide as Type 304 stainless steel.

**Mega Chain:** All parts are made from AISI Type 304 (18-8) austenitic stainless steel. Available in two versions (Mega Chain and Mega Chain II) which use different physical configurations to obtain additional strength that is similar to that of carbon steel chains. The working loads of these chains are superior to that of standard 304 stainless steel chains due to a greater pin/bushing bearing areas. In addition both versions possess a unique labyrinth type seal design that helps prevent the penetration of abrasive foreign materials to the internal wearing components.

## Component Materials and Rated Working Load

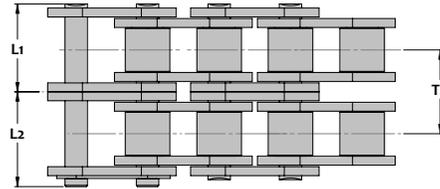
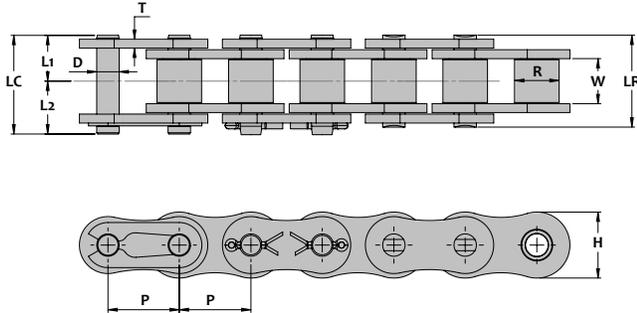
| Stainless Series | Pin               | Bushing           | Roller            | Link Plate        | Max. Allowable Bearing Pressure | Allowable Speed (max) |
|------------------|-------------------|-------------------|-------------------|-------------------|---------------------------------|-----------------------|
| 304 Stainless    | AISI 304SS (18-8) | AISI 304SS (18-8) | AISI 304SS (18-8) | AISI 304SS (18-8) | 1,420 psi                       | 230 ft/min            |
|                  |                   |                   |                   |                   | 9,791 KPA                       | 70.1 m/min            |
| 316 Stainless    | AISI 316SS        | Type 316SS        | Type 316SS        | Type 316SS        | 1,420 psi                       | 230 ft/min            |
|                  |                   |                   |                   |                   | 9,791 KPA                       | 70.1 m/min            |
| 600 Stainless    | 17-4PH            | 17-7PH            | 17-7PH*           | AISI 304SS (18-8) | 2,130 psi                       | 230 ft/min            |
|                  |                   |                   |                   |                   | 14,686 KPA                      | 70.1 m/min            |
| Mega Chain       | AISI 304SS (18-8) | AISI 304SS (18-8) | AISI 304SS (18-8) | AISI 304SS (18-8) | 1,420 psi                       | 230 ft/min            |
|                  |                   |                   |                   |                   | 9,791 KPA                       | 70.1 m/min            |

\* Double Pitch Chains with Large Rollers utilize Type 304SS

## General Properties of Stainless Steel Roller Chain Products

| Chain              | Corrosion Resistance | Temperature Resistance           | Wear Resistance | Strength  | Magnetism         |
|--------------------|----------------------|----------------------------------|-----------------|-----------|-------------------|
| AISI 304 Stainless | Very Good            | -250°F - 750°F<br>-155°C - 400°C | Fair            | Fair      | Slightly Magnetic |
| AISI 316 Stainless | Excellent            | -250°F - 950°F<br>-155°C - 510°C | Fair            | Fair      | Non-magnetic      |
| 600 Stainless      | Very Good            | -50°F - 750°F<br>-45°C - 400°C   | Very Good       | Fair      | Slightly Magnetic |
| Mega Chain         | Very Good            | -250°F - 750°F<br>-155°C - 400°C | Very Good       | Excellent | Slightly Magnetic |

# ASME/ANSI Standard 304 Stainless Steel Roller Chain



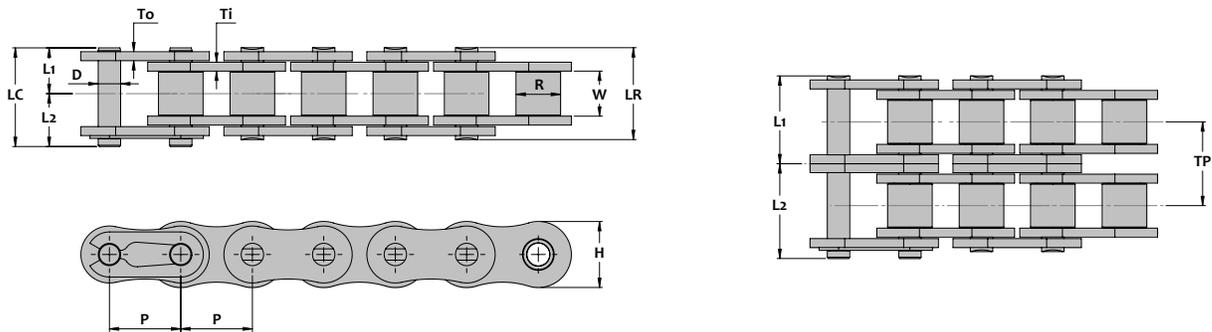
## Chain Dimensions - Single Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller    |                   |           | Pin    |      |      |      | Side Plate  |             | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-----------|-------------------|-----------|--------|------|------|------|-------------|-------------|--------------------|--|-----------------------------------|--|
|                    |       |                  | Dia.<br>R | Inside Width<br>W | Dia.<br>D | Length |      |      |      | Height<br>H | Thick.<br>T |                    |  |                                   |  |
|                    |       |                  |           |                   |           | L1     | L2   | LR   | LC   |             |             |                    |  |                                   |  |
| 25SS               | inch  | 0.250            | 0.130     | 0.125             | 0.091     | 0.15   | 0.19 | 0.30 | 0.34 | 0.230       | 0.030       | -                  | 700                                      | 27                                | 0.10                                   |
|                    | mm    | 6.35             | 3.20      | 3.18              | 2.31      | 3.8    | 4.8  | 7.6  | 8.6  | 5.84        | 0.76        | -                  | 318                                      | 12                                | 0.15                                   |
| 35SS               | inch  | 0.375            | 0.200     | 0.188             | 0.141     | 0.24   | 0.27 | 0.47 | 0.51 | 0.354       | 0.050       | -                  | 1,400                                    | 60                                | 0.23                                   |
|                    | mm    | 9.525            | 5.08      | 4.78              | 3.58      | 6.0    | 6.9  | 12.0 | 12.9 | 9.0         | 1.25        | -                  | 636                                      | 27                                | 0.34                                   |
| 41SS               | inch  | 0.500            | 0.306     | 0.250             | 0.141     | 0.26   | 0.31 | 0.52 | 0.57 | 0.382       | 0.050       | -                  | 1,700                                    | 70                                | 0.30                                   |
|                    | mm    | 12.70            | 7.77      | 6.35              | 3.58      | 6.6    | 7.9  | 13.2 | 14.5 | 9.7         | 1.25        | -                  | 773                                      | 32                                | 0.45                                   |
| 40SS               | inch  | 0.500            | 0.312     | 0.313             | 0.156     | 0.33   | 0.38 | 0.65 | 0.70 | 0.461       | 0.060       | -                  | 2,790                                    | 100                               | 0.40                                   |
|                    | mm    | 12.70            | 7.92      | 7.95              | 3.96      | 8.3    | 9.6  | 16.6 | 17.9 | 11.7        | 1.5         | -                  | 1,270                                    | 45                                | 0.60                                   |
| 50SS               | inch  | 0.625            | 0.400     | 0.375             | 0.200     | 0.40   | 0.46 | 0.80 | 0.87 | 0.575       | 0.080       | -                  | 4,560                                    | 150                               | 0.66                                   |
|                    | mm    | 15.875           | 10.16     | 9.53              | 5.08      | 10.2   | 11.8 | 20.4 | 22.0 | 14.6        | 2.0         | -                  | 2,075                                    | 68                                | 0.98                                   |
| 60SS               | inch  | 0.750            | 0.469     | 0.500             | 0.234     | 0.50   | 0.56 | 1.00 | 1.06 | 0.689       | 0.094       | -                  | 6,160                                    | 230                               | 0.98                                   |
|                    | mm    | 19.05            | 11.91     | 12.70             | 5.95      | 12.8   | 14.1 | 25.5 | 26.9 | 17.5        | 2.4         | -                  | 2,800                                    | 105                               | 1.46                                   |
| 80SS               | inch  | 1.000            | 0.625     | 0.625             | 0.312     | 0.65   | 0.75 | 1.29 | 1.40 | 0.921       | 0.126       | -                  | 10,590                                   | 400                               | 1.69                                   |
|                    | mm    | 25.4             | 15.88     | 15.88             | 7.93      | 16.4   | 19.1 | 32.8 | 35.5 | 23.4        | 3.2         | -                  | 4,815                                    | 182                               | 2.52                                   |
| 100SS              | inch  | 1.250            | 0.75      | 0.750             | 0.375     | 0.78   | 0.92 | 1.55 | 1.69 | 1.154       | 0.157       | -                  | 12,790                                   | 570                               | 2.62                                   |
|                    | mm    | 31.75            | 19.05     | 19.05             | 9.53      | 19.7   | 23.3 | 39.4 | 43.0 | 29.3        | 4.0         | -                  | 5,815                                    | 259                               | 3.91                                   |

## Chain Dimensions - Double Strand

|        |      |        |       |       |       |      |      |      |      |       |       |       |        |     |      |
|--------|------|--------|-------|-------|-------|------|------|------|------|-------|-------|-------|--------|-----|------|
| 35-2SS | inch | 0.375  | 0.200 | 0.188 | 0.141 | 0.44 | 0.47 | 0.87 | 0.91 | 0.354 | 0.050 | 0.398 | 2,800  | 120 | 1.09 |
|        | mm   | 9.525  | 5.08  | 4.78  | 3.58  | 11.1 | 11.9 | 22.2 | 23.0 | 9.0   | 1.25  | 10.1  | 1,275  | 55  | 1.63 |
| 40-2SS | inch | 0.500  | 0.312 | 0.313 | 0.156 | 0.61 | 0.66 | 1.21 | 1.27 | 0.461 | 0.060 | 0.567 | 5,580  | 200 | 1.22 |
|        | mm   | 12.70  | 7.92  | 7.95  | 3.96  | 15.4 | 16.8 | 30.8 | 32.2 | 11.7  | 1.5   | 14.4  | 2,535  | 91  | 1.22 |
| 50-2SS | inch | 0.625  | 0.400 | 0.375 | 0.200 | 0.76 | 0.82 | 1.51 | 1.57 | 0.575 | 0.080 | 0.712 | 9,120  | 310 | 2.95 |
|        | mm   | 15.875 | 10.16 | 9.53  | 5.08  | 19.2 | 20.8 | 38.4 | 40.0 | 14.6  | 2.0   | 18.08 | 4,145  | 141 | 2.00 |
| 60-2SS | inch | 0.750  | 0.469 | 0.500 | 0.234 | 0.94 | 1.01 | 1.90 | 1.96 | 0.689 | 0.094 | 0.898 | 12,320 | 460 | 1.98 |
|        | mm   | 19.05  | 11.91 | 12.70 | 5.95  | 24.0 | 25.7 | 48.2 | 49.7 | 17.5  | 2.4   | 22.8  | 5,600  | 209 | 2.95 |
| 80-2SS | inch | 1.000  | 0.625 | 0.625 | 0.312 | 1.21 | 1.33 | 2.43 | 2.54 | 0.921 | 0.126 | 1.154 | 21,180 | 800 | 3.42 |
|        | mm   | 25.4   | 15.88 | 15.88 | 7.93  | 30.8 | 33.7 | 61.6 | 64.5 | 23.4  | 3.2   | 29.3  | 9,625  | 364 | 5.10 |

# ISO 606B British Standard 304 Stainless Steel Roller Chain



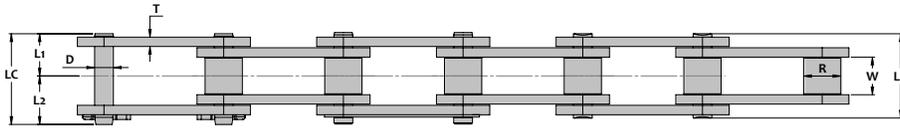
## Chain Dimensions - Single Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |           |           | Pin    |      |      |      | Side Plate  |           | Trans. Pitch<br>TP | Minimum Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |      |
|--------------------|-------|------------------|-------------------|-----------|-----------|--------|------|------|------|-------------|-----------|--------------------|--|-----------------------------------|--|------|
|                    |       |                  | Inside Width<br>W | Dia.<br>R | Dia.<br>D | Length |      |      |      | Height<br>H | Thickness |                    |  |                                   |  |      |
|                    |       |                  |                   |           |           | L1     | L2   | LR   | LC   | To          | Ti        |                    |  |                                   |  |      |
| 06BSS              | inch  | 0.375            | 0.225             | 0.250     | 0.130     | 0.25   | 0.28 | 0.50 | 0.53 | 0.323       | 0.040     | 0.050              | -  | 1,390                             | 60                                     | 0.29 |
|                    | mm    | 9.525            | 5.72              | 6.35      | 3.28      | 6.3    | 7.1  | 12.6 | 13.4 | 8.2         | 1.0       | 1.25               | -  | 632                               | 27                                     | 0.43 |
| 08BSS              | inch  | 0.500            | 0.305             | 0.335     | 0.175     | 0.33   | 0.39 | 0.66 | 0.72 | 0.465       | 0.060     |                    | -  | 2,315                             | 105                                    | 0.41 |
|                    | mm    | 12.70            | 7.75              | 8.51      | 4.45      | 8.4    | 9.8  | 16.7 | 18.2 | 11.8        | 1.5       |                    | -  | 1,050                             | 48                                     | 0.61 |
| 10BSS              | inch  | 0.625            | 0.380             | 0.400     | 0.200     | 0.37   | 0.44 | 0.75 | 0.81 | 0.579       | 0.065     |                    | -  | 3,530                             | 145                                    | 0.60 |
|                    | mm    | 15.875           | 9.65              | 10.16     | 5.08      | 9.5    | 11.2 | 19.0 | 20.7 | 14.7        | 1.65      |                    | -  | 1,605                             | 66                                     | 0.89 |
| 12BSS              | inch  | 0.750            | 0.460             | 0.475     | 0.225     | 0.43   | 0.50 | 0.87 | 0.93 | 0.634       | 0.070     |                    | -  | 4,070                             | 195                                    | 0.76 |
|                    | mm    | 19.05            | 11.68             | 12.07     | 5.7       | 11.0   | 12.6 | 22.0 | 23.6 | 16.1        | 1.8       |                    | -  | 1,850                             | 89                                     | 1.14 |
| 16BSS              | inch  | 1.000            | 0.670             | 0.625     | 0.325     | 0.69   | 0.81 | 1.38 | 1.50 | 0.827       | 0.126     | 0.157              | -  | 9,490                             | 455                                    | 1.74 |
|                    | mm    | 25.40            | 17.02             | 15.88     | 8.26      | 17.6   | 20.6 | 35.1 | 38.2 | 21.0        | 3.2       | 4.0                | -  | 4,315                             | 207                                    | 2.59 |

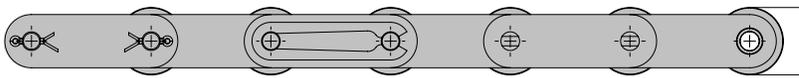
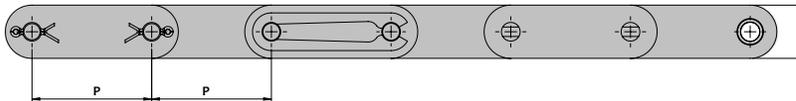
## Chain Dimensions - Double Strand

|         |      |        |       |       |       |      |      |      |      |       |       |       |       |        |     |      |
|---------|------|--------|-------|-------|-------|------|------|------|------|-------|-------|-------|-------|--------|-----|------|
| 06B-2SS | inch | 0.375  | 0.225 | 0.250 | 0.130 | 0.45 | 0.48 | 0.90 | 0.93 | 0.323 | 0.040 | 0.050 | 0.403 | 2,780  | 120 | 0.54 |
|         | mm   | 9.525  | 5.72  | 6.35  | 3.28  | 11.4 | 12.3 | 22.9 | 23.7 | 8.2   | 1.0   | 1.25  | 10.24 | 1,265  | 55  | 0.81 |
| 08B-2SS | inch | 0.500  | 0.305 | 0.335 | 0.175 | 0.60 | 0.65 | 1.20 | 1.26 | 0.465 | 0.060 |       | 0.548 | 4,630  | 210 | 0.84 |
|         | mm   | 12.70  | 7.75  | 8.51  | 4.45  | 15.3 | 16.6 | 30.6 | 31.9 | 11.8  | 1.5   |       | 13.92 | 2,105  | 95  | 1.26 |
| 10B-2SS | inch | 0.625  | 0.380 | 0.400 | 0.200 | 0.70 | 0.77 | 1.40 | 1.47 | 0.579 | 0.065 |       | 0.653 | 7,060  | 290 | 1.20 |
|         | mm   | 15.875 | 9.65  | 10.16 | 5.08  | 17.8 | 19.5 | 35.6 | 37.3 | 14.7  | 1.65  |       | 16.59 | 3,210  | 132 | 1.79 |
| 12B-2SS | inch | 0.750  | 0.460 | 0.475 | 0.225 | 0.82 | 0.88 | 1.64 | 1.70 | 0.634 | 0.070 |       | 0.766 | 8,140  | 390 | 1.53 |
|         | mm   | 19.05  | 11.68 | 12.07 | 5.7   | 20.8 | 22.3 | 41.6 | 43.1 | 16.1  | 1.8   |       | 19.46 | 3,700  | 177 | 2.28 |
| 16B-2SS | inch | 1.000  | 0.670 | 0.625 | 0.325 | 1.32 | 1.44 | 2.64 | 2.76 | 0.827 | 0.126 | 0.157 | 1.255 | 18,970 | 910 | 3.44 |
|         | mm   | 25.40  | 17.02 | 15.88 | 8.26  | 33.6 | 36.5 | 67.2 | 70.1 | 21.0  | 3.2   | 4.0   | 31.88 | 8,625  | 414 | 5.13 |

# ASME/ANSI Double Pitch 304 Stainless Steel Roller Chain



Standard Roller



Large Roller

## Chain Dimensions - Standard Roller

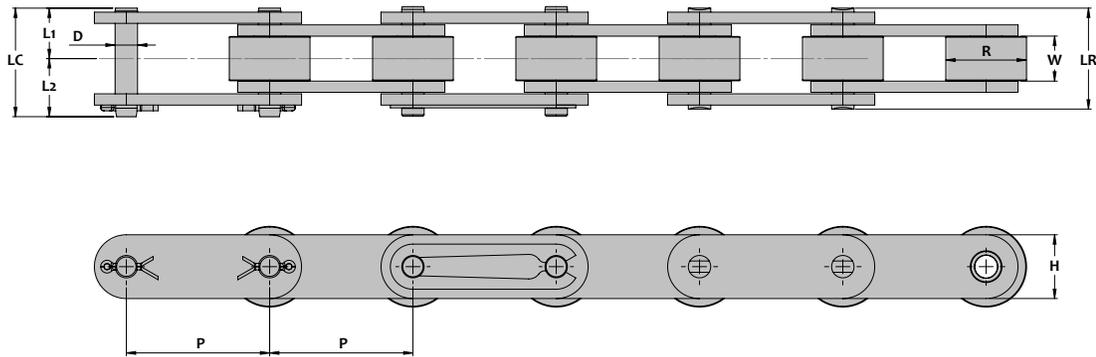
| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |      |      |      | Side Plate |        | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|------|------|------------|--------|--|-----------------------------------|--|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |      |      |      | Height     | Thick. |  |                                   |  |
|                    |       |                  | R      | W            | D     | L1     | L2   | LR   | LC   | H          | T      |  |                                   |  |
| C2040SS            | inch  | 1.000            | 0.312  | 0.313        | 0.156 | 0.32   | 0.41 | 0.65 | 0.73 | 0.449      | 0.060  | 2,790                                    | 100                               | 0.32                                   |
|                    | mm    | 25.40            | 7.92   | 7.95         | 3.96  | 8.2    | 10.3 | 16.4 | 18.5 | 11.4       | 1.5    | 1,270                                    | 45                                | 0.48                                   |
| C2050SS            | inch  | 1.250            | 0.400  | 0.375        | 0.200 | 0.40   | 0.46 | 0.80 | 0.87 | 0.591      | 0.080  | 4,560                                    | 150                               | 0.55                                   |
|                    | mm    | 31.75            | 10.16  | 9.53         | 5.08  | 10.2   | 11.8 | 20.4 | 22.0 | 15.0       | 2.0    | 2,075                                    | 68                                | 0.82                                   |
| C2060HSS           | inch  | 1.500            | 0.469  | 0.500        | 0.234 | 0.57   | 0.65 | 1.13 | 1.22 | 0.669      | 0.126  | 6,160                                    | 250                               | 0.93                                   |
|                    | mm    | 38.10            | 11.91  | 12.70        | 5.95  | 14.4   | 16.6 | 28.8 | 31.0 | 17.0       | 3.2    | 2,800                                    | 114                               | 1.38                                   |
| C2080HSS           | inch  | 2.000            | 0.625  | 0.625        | 0.312 | 0.70   | 0.83 | 1.40 | 1.53 | 0.890      | 0.157  | 10,590                                   | 420                               | 1.56                                   |
|                    | mm    | 50.80            | 15.88  | 15.88        | 7.93  | 17.8   | 21.0 | 35.6 | 38.8 | 22.6       | 4.0    | 4,815                                    | 191                               | 2.32                                   |
| C2100HSS           | inch  | 2.500            | 0.750  | 0.750        | 0.375 | 0.83   | 0.97 | 1.66 | 1.80 | 1.126      | 0.189  | 12,790                                   | 600                               | 2.32                                   |
|                    | mm    | 63.50            | 19.05  | 19.05        | 9.53  | 21.1   | 24.6 | 42.2 | 45.7 | 28.6       | 4.8    | 5,815                                    | 273                               | 3.46                                   |
| C2120HSS           | inch  | 3.000            | 0.875  | 1.000        | 0.437 | 1.04   | 1.21 | 2.07 | 2.24 | 1.374      | 0.220  | 17,200                                   | 900                               | 3.30                                   |
|                    | mm    | 76.20            | 22.23  | 25.40        | 11.10 | 26.3   | 30.7 | 52.6 | 57.0 | 34.9       | 5.6    | 7,820                                    | 409                               | 4.92                                   |

## Chain Dimensions - Large Roller

|          |      |       |       |       |       |      |      |      |      |       |       |        |     |      |
|----------|------|-------|-------|-------|-------|------|------|------|------|-------|-------|--------|-----|------|
| C2042SS  | inch | 1.000 | 0.625 | 0.313 | 0.156 | 0.32 | 0.41 | 0.65 | 0.73 | 0.449 | 0.060 | 2,790  | 100 | 0.55 |
|          | mm   | 25.40 | 15.88 | 7.95  | 3.96  | 8.2  | 10.3 | 16.4 | 18.5 | 11.4  | 1.5   | 1,270  | 45  | 0.82 |
| C2052SS  | inch | 1.250 | 0.750 | 0.375 | 0.200 | 0.40 | 0.46 | 0.80 | 0.87 | 0.591 | 0.080 | 4,560  | 150 | 0.84 |
|          | mm   | 31.75 | 19.05 | 9.53  | 5.08  | 10.2 | 11.8 | 20.4 | 22.0 | 15.0  | 2.0   | 2,075  | 68  | 1.26 |
| C2062HSS | inch | 1.500 | 0.875 | 0.500 | 0.234 | 0.57 | 0.65 | 1.13 | 1.22 | 0.669 | 0.126 | 6,160  | 250 | 1.39 |
|          | mm   | 38.10 | 22.23 | 12.70 | 5.95  | 14.4 | 16.6 | 28.8 | 31.0 | 17.0  | 3.2   | 2,800  | 114 | 2.08 |
| C2082HSS | inch | 2.000 | 1.125 | 0.625 | 0.312 | 0.70 | 0.83 | 1.40 | 1.53 | 0.890 | 0.157 | 10,590 | 420 | 2.25 |
|          | mm   | 50.80 | 28.58 | 15.88 | 7.93  | 17.8 | 21.0 | 35.6 | 38.8 | 22.6  | 4.0   | 4,815  | 191 | 3.36 |
| C2102HSS | inch | 2.500 | 1.562 | 0.750 | 0.375 | 0.83 | 0.97 | 1.66 | 1.80 | 1.126 | 0.189 | 12,790 | 600 | 3.78 |
|          | mm   | 63.50 | 39.67 | 19.05 | 9.53  | 21.1 | 24.6 | 42.2 | 45.7 | 28.6  | 4.8   | 5,815  | 273 | 5.64 |
| C2122HSS | inch | 3.000 | 1.750 | 1.000 | 0.437 | 1.04 | 1.21 | 2.07 | 2.24 | 1.374 | 0.220 | 17,200 | 900 | 5.28 |
|          | mm   | 76.20 | 44.45 | 25.40 | 11.10 | 26.3 | 30.7 | 52.6 | 57.0 | 34.9  | 5.6   | 7,820  | 409 | 7.87 |

## ASME/ANSI Double Pitch 304 Stainless Steel-Plastic Rollers

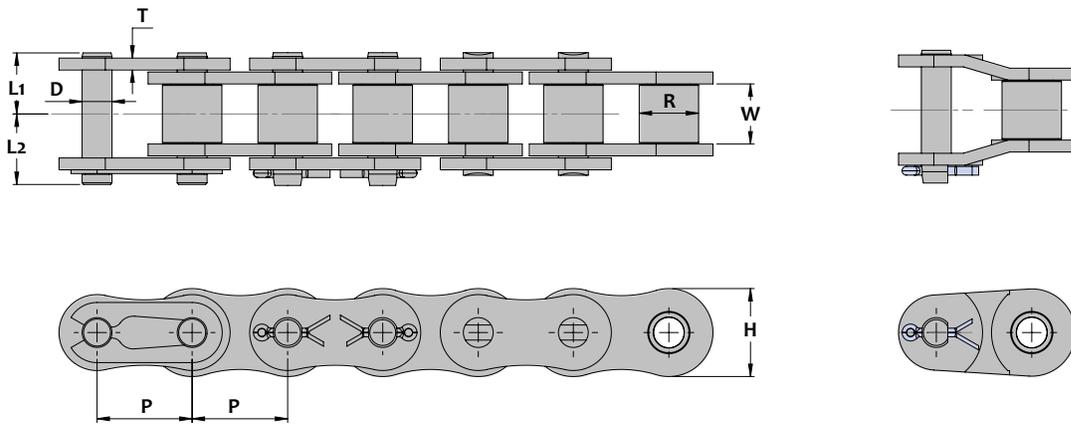
Plastic Roller Double Pitch chains are made with 304 stainless steel (AISI 18-8) components. The roller is a polyacetal resin which provides smooth quiet operation, resists corrosion and is ideal for a wide variety of conveyor applications. Attachments are available. Care must be taken not to exceed the Rated Working Load of the rollers (shown in the table below) when the chain is directly carrying the weight of the conveyed product. The rated working load of the chain itself due to chain tension is also reduced as a result of reduced allowable loads between the plastic roller and the sprocket teeth.



Chain Dimensions - Large Plastic Roller

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |      |      |      | Side Plate |        | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load |             | Roller Crush Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|------|------|------------|--------|--|--------------------|-------------|--------------------------------------|--|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |      |      |      | Height     | Thick. |  | Chain Tension      | Roller Load |                                      |  |
|                    |       |                  | R      | W            | D     | L1     | L2   | LR   | LC   | H          | T      |  | Lbs<br>Kg-f        | Lbs<br>Kg-f |                                      |  |
| C2042SS-D          | inch  | 1.000            | 0.625  | 0.313        | 0.156 | 0.32   | 0.41 | 0.65 | 0.73 | 0.449      | 0.060  | 2,790                                    | 100                | 45          | 550                                  | 0.33                                   |
|                    | mm    | 25.40            | 15.88  | 7.95         | 3.96  | 8.2    | 10.3 | 16.4 | 18.5 | 11.4       | 1.5    | 1,270                                    | 45                 | 20          | 250                                  | 0.49                                   |
| C2052SS-D          | inch  | 1.250            | 0.750  | 0.375        | 0.200 | 0.40   | 0.46 | 0.80 | 0.87 | 0.591      | 0.080  | 4,560                                    | 160                | 70          | 770                                  | 0.57                                   |
|                    | mm    | 31.75            | 19.05  | 9.53         | 5.08  | 10.2   | 11.8 | 20.4 | 22.0 | 15.0       | 2.0    | 2,075                                    | 73                 | 32          | 350                                  | 0.85                                   |
| C2062HSS-D         | inch  | 1.500            | 0.875  | 0.500        | 0.234 | 0.57   | 0.65 | 1.13 | 1.22 | 0.669      | 0.126  | 6,160                                    | 230                | 110         | 880                                  | 0.98                                   |
|                    | mm    | 38.10            | 22.23  | 12.70        | 5.95  | 14.4   | 16.6 | 28.8 | 31.0 | 17.0       | 3.2    | 2,800                                    | 105                | 50          | 400                                  | 1.46                                   |
| C2082HSS-D         | inch  | 2.000            | 1.125  | 0.625        | 0.312 | 0.70   | 0.83 | 1.40 | 1.53 | 0.890      | 0.157  | 10,590                                   | 400                | 200         | 1,540                                | 1.77                                   |
|                    | mm    | 50.80            | 28.58  | 15.88        | 7.93  | 17.8   | 21.0 | 21.0 | 35.6 | 22.6       | 4.0    | 4,815                                    | 182                | 91          | 700                                  | 2.64                                   |

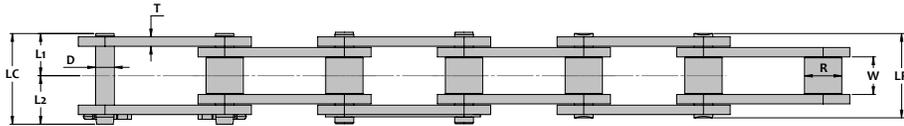
## ASME/ANSI Standard Pitch 600 Stainless Steel Roller Chain



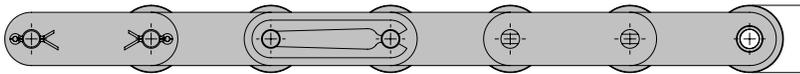
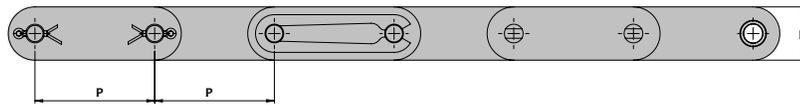
### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller    |                   | Dia.<br>D | Pin    |        | Side Plate |       | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-----------|-------------------|-----------|--------|--------|------------|-------|--|-----------------------------------|--|
|                    |       |                  | Dia.<br>R | Inside Width<br>W |           | Length | Height | Thick.     |       |  |                                   |  |
|                    |       |                  |           |                   |           | L1     | L2     | H          | T     |  |                                   |  |
| 35SS600            | inch  | 0.375            | 0.200     | 0.188             | 0.141     | 0.23   | 0.28   | 0.356      | 0.050 | 1,400                                    | 90                                | 0.21                                   |
|                    | mm    | 9.525            | 5.08      | 4.78              | 3.58      | 5.9    | 7.0    | 9.04       | 1.27  | 636                                      | 41                                | 0.32                                   |
| 40SS600            | inch  | 0.500            | 0.312     | 0.313             | 0.156     | 0.32   | 0.69   | 0.475      | 0.060 | 2,790                                    | 150                               | 0.42                                   |
|                    | mm    | 12.70            | 7.92      | 7.95              | 3.96      | 8.2    | 17.5   | 12.1       | 1.5   | 1,270                                    | 68                                | 0.62                                   |
| 50SS600            | inch  | 0.625            | 0.400     | 0.375             | 0.200     | 0.40   | 0.49   | 0.594      | 0.080 | 4,560                                    | 225                               | 0.68                                   |
|                    | mm    | 15.875           | 10.16     | 9.53              | 5.08      | 10.2   | 12.4   | 15.1       | 2.0   | 2,075                                    | 102                               | 1.01                                   |
| 60SS600            | inch  | 0.750            | 0.469     | 0.500             | 0.234     | 0.50   | 0.60   | 0.712      | 0.094 | 6,160                                    | 345                               | 0.97                                   |
|                    | mm    | 19.05            | 11.91     | 12.70             | 5.95      | 12.7   | 15.3   | 18.1       | 2.4   | 2,800                                    | 157                               | 1.45                                   |
| 80SS600            | inch  | 1.000            | 0.625     | 0.625             | 0.312     | 0.65   | 0.80   | 0.950      | 0.125 | 10,590                                   | 600                               | 1.72                                   |
|                    | mm    | 25.4             | 15.88     | 15.88             | 7.93      | 16.5   | 20.4   | 24.1       | 3.2   | 4,815                                    | 273                               | 2.56                                   |

## ASME/ANSI Double Pitch 600 Stainless Steel Roller Chain



Standard Roller



Large Roller

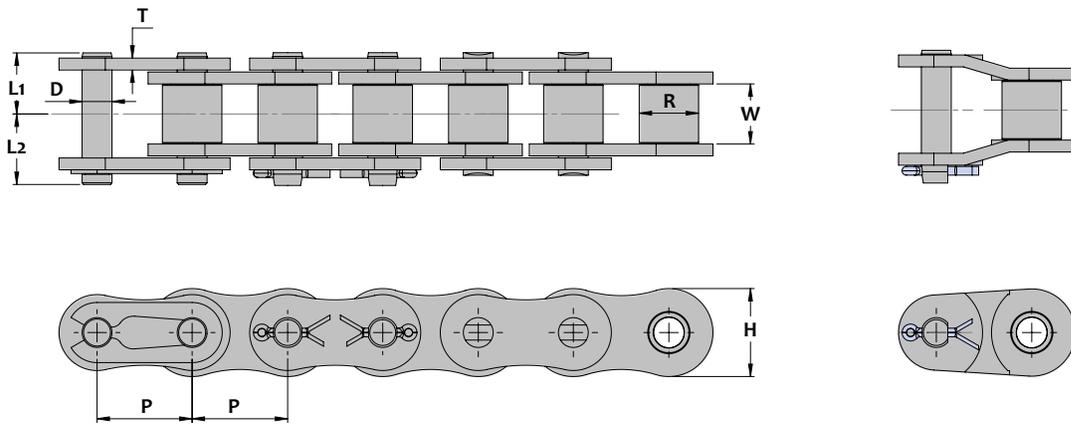
### Chain Dimensions - Standard Roller

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller   |                   | Dia<br>D | Pin          |              |              |              | Side Plate  |             | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|----------|-------------------|----------|--------------|--------------|--------------|--------------|-------------|-------------|--|-----------------------------------|--|
|                    |       |                  | Dia<br>R | Inside Width<br>W |          | Length<br>L1 | Length<br>L2 | Length<br>LR | Length<br>LC | Height<br>H | Thick.<br>T |  |                                   |  |
|                    |       |                  |          |                   |          |              |              |              |              |             |             |  |                                   |  |
| C2040SS600         | inch  | 1.000            | 0.312    | 0.313             | 0.156    | 0.32         | 0.41         | 0.65         | 0.73         | 0.475       | 0.060       | 2,790                                    | 150                               | 0.32                                   |
|                    | mm    | 25.40            | 7.92     | 7.95              | 3.96     | 8.2          | 10.3         | 16.4         | 18.5         | 12.06       | 1.5         | 1,270                                    | 68                                | 0.47                                   |
| C2050SS600         | inch  | 1.250            | 0.400    | 0.375             | 0.200    | 0.40         | 0.49         | 0.80         | 0.89         | 0.594       | 0.080       | 4,560                                    | 225                               | 0.54                                   |
|                    | mm    | 31.75            | 10.16    | 9.53              | 5.08     | 10.2         | 12.4         | 20.3         | 22.6         | 15.1        | 2.0         | 2,075                                    | 102                               | 0.80                                   |
| C2060HSS600        | inch  | 1.500            | 0.469    | 0.500             | 0.234    | 0.57         | 0.67         | 1.13         | 1.23         | 0.712       | 0.125       | 6,160                                    | 375                               | 0.95                                   |
|                    | mm    | 38.10            | 11.91    | 12.70             | 5.95     | 14.4         | 16.9         | 28.8         | 31.3         | 18.1        | 3.2         | 2,800                                    | 170                               | 1.41                                   |
| C2080HSS600        | inch  | 2.000            | 0.625    | 0.625             | 0.312    | 0.71         | 0.89         | 1.43         | 1.60         | 0.950       | 0.156       | 10,590                                   | 630                               | 1.60                                   |
|                    | mm    | 50.80            | 15.88    | 15.88             | 7.93     | 18.2         | 22.6         | 36.3         | 40.7         | 24.1        | 4.0         | 4,815                                    | 268                               | 2.38                                   |

### Chain Dimensions - Large Roller

|             |      |       |       |       |       |      |      |      |      |       |       |        |     |      |
|-------------|------|-------|-------|-------|-------|------|------|------|------|-------|-------|--------|-----|------|
| C2042SS600  | inch | 1.000 | 0.625 | 0.313 | 0.156 | 0.32 | 0.41 | 0.65 | 0.73 | 0.475 | 0.060 | 2,790  | 150 | 0.56 |
|             | mm   | 25.40 | 15.88 | 7.95  | 3.96  | 8.2  | 10.3 | 16.4 | 18.5 | 12.06 | 1.5   | 1,270  | 68  | 0.83 |
| C2052SS600  | inch | 1.250 | 0.750 | 0.375 | 0.200 | 0.40 | 0.49 | 0.80 | 0.89 | 0.594 | 0.080 | 4,560  | 225 | 0.85 |
|             | mm   | 31.75 | 19.05 | 9.53  | 5.08  | 10.2 | 12.4 | 20.3 | 22.6 | 15.1  | 2.0   | 2,075  | 102 | 1.27 |
| C2062HSS600 | inch | 1.500 | 0.875 | 0.500 | 0.234 | 0.57 | 0.67 | 1.13 | 1.23 | 0.712 | 0.125 | 6,160  | 375 | 1.43 |
|             | mm   | 38.10 | 22.23 | 12.70 | 5.95  | 14.4 | 16.9 | 28.8 | 31.3 | 18.1  | 3.2   | 2,800  | 170 | 2.13 |
| C2082HSS600 | inch | 2.000 | 1.125 | 0.625 | 0.312 | 0.71 | 0.89 | 1.43 | 1.60 | 0.950 | 0.156 | 10,590 | 630 | 2.31 |
|             | mm   | 50.80 | 28.58 | 15.88 | 7.93  | 18.2 | 22.6 | 36.3 | 40.7 | 24.1  | 4.0   | 4,815  | 268 | 3.45 |

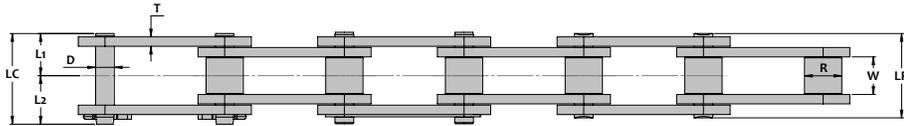
## ASME/ANSI Standard Pitch 316 Stainless Steel Roller Chain



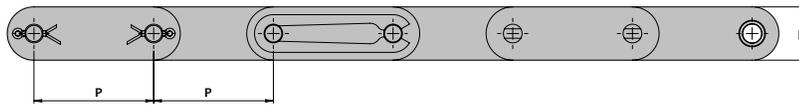
### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller    |                   | Dia<br>D | Pin  |        | Side Plate  |             | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-----------|-------------------|----------|------|--------|-------------|-------------|--|-----------------------------------|--|
|                    |       |                  | Dia.<br>R | Inside Width<br>W |          | Dia  | Length | Height<br>H | Thick.<br>T |  |                                   |  |
|                    |       |                  |           |                   |          | L1   | L2     |             |             |  |                                   |  |
| 40SS316            | inch  | 0.500            | 0.312     | 0.313             | 0.156    | 0.32 | 0.69   | 0.475       | 0.060       | 2,790                                    | 100                               | 0.42                                   |
|                    | mm    | 12.70            | 7.92      | 7.95              | 3.96     | 8.2  | 17.5   | 12.1        | 1.5         | 1,270                                    | 45                                | 0.62                                   |
| 50SS316            | inch  | 0.625            | 0.400     | 0.375             | 0.200    | 0.40 | 0.49   | 0.594       | 0.080       | 4,560                                    | 150                               | 0.68                                   |
|                    | mm    | 15.875           | 10.16     | 9.53              | 5.08     | 10.2 | 12.4   | 15.1        | 2.0         | 2,075                                    | 68                                | 1.01                                   |
| 60SS316            | inch  | 0.750            | 0.469     | 0.500             | 0.234    | 0.50 | 0.60   | 0.712       | 0.094       | 6,160                                    | 230                               | 0.97                                   |
|                    | mm    | 19.05            | 11.91     | 12.70             | 5.95     | 12.7 | 15.3   | 18.1        | 2.4         | 2,800                                    | 105                               | 1.45                                   |
| 80SS316            | inch  | 1.000            | 0.625     | 0.625             | 0.312    | 0.65 | 0.80   | 0.950       | 0.125       | 10,590                                   | 400                               | 1.72                                   |
|                    | mm    | 25.4             | 15.88     | 15.88             | 7.93     | 16.5 | 20.4   | 24.1        | 3.2         | 4,815                                    | 182                               | 2.56                                   |

## ASME/ANSI Double Pitch 316 Stainless Steel Roller Chain



Standard Roller



Large Roller

### Chain Dimensions - Standard Roller

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller   |                   |          | Pin    |      |      |      |             | Side Plate  |        | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|----------|-------------------|----------|--------|------|------|------|-------------|-------------|--------|--|-----------------------------------|--|
|                    |       |                  | Dia<br>R | Inside Width<br>W | Dia<br>D | Length |      |      |      | Height<br>H | Thick.<br>T |        |  |                                   |  |
|                    |       |                  |          |                   |          | L1     | L2   | LR   | LC   |             |             |        |  |                                   |  |
| C2040SS316         | inch  | 1.000            | 0.312    | 0.313             | 0.156    | 0.32   | 0.41 | 0.65 | 0.73 | 0.475       | 0.060       | 3,800  | 100                                      | 0.32                              |  |
|                    | mm    | 25.40            | 7.92     | 7.95              | 3.96     | 8.2    | 10.3 | 16.4 | 18.5 | 12.06       | 1.5         | 1,725  | 45                                       | 0.47                              |  |
| C2050SS316         | inch  | 1.250            | 0.400    | 0.375             | 0.200    | 0.40   | 0.49 | 0.80 | 0.89 | 0.594       | 0.080       | 6,180  | 150                                      | 0.54                              |  |
|                    | mm    | 31.75            | 10.16    | 9.53              | 5.08     | 10.2   | 12.4 | 20.3 | 22.6 | 15.1        | 2.0         | 2,810  | 68                                       | 0.80                              |  |
| C2060HSS316        | inch  | 1.500            | 0.469    | 0.500             | 0.234    | 0.57   | 0.67 | 1.13 | 1.23 | 0.712       | 0.125       | 9,040  | 250                                      | 0.95                              |  |
|                    | mm    | 38.10            | 11.91    | 12.70             | 5.95     | 14.4   | 16.9 | 28.8 | 31.3 | 18.1        | 3.2         | 4,110  | 114                                      | 1.41                              |  |
| C2080HSS316        | inch  | 2.000            | 0.625    | 0.625             | 0.312    | 0.71   | 0.89 | 1.43 | 1.60 | 0.950       | 0.156       | 15,420 | 420                                      | 1.60                              |  |
|                    | mm    | 50.80            | 15.88    | 15.88             | 7.93     | 18.2   | 22.6 | 36.3 | 40.7 | 24.1        | 4.0         | 7,010  | 191                                      | 2.38                              |  |

### Chain Dimensions - Large Roller

|             |      |       |       |       |       |      |      |      |      |       |       |        |     |      |
|-------------|------|-------|-------|-------|-------|------|------|------|------|-------|-------|--------|-----|------|
| C2042SS316  | inch | 1.000 | 0.625 | 0.313 | 0.156 | 0.32 | 0.41 | 0.65 | 0.73 | 0.475 | 0.060 | 3,800  | 100 | 0.56 |
|             | mm   | 25.40 | 15.88 | 7.95  | 3.96  | 8.2  | 10.3 | 16.4 | 18.5 | 12.06 | 1.5   | 1,725  | 45  | 0.83 |
| C2052SS316  | inch | 1.250 | 0.750 | 0.375 | 0.200 | 0.40 | 0.49 | 0.80 | 0.89 | 0.594 | 0.080 | 6,180  | 150 | 0.85 |
|             | mm   | 31.75 | 19.05 | 9.53  | 5.08  | 10.2 | 12.4 | 20.3 | 22.6 | 15.1  | 2.0   | 2,810  | 68  | 1.27 |
| C2062HSS316 | inch | 1.500 | 0.875 | 0.500 | 0.234 | 0.57 | 0.67 | 1.13 | 1.23 | 0.712 | 0.125 | 9,040  | 250 | 1.43 |
|             | mm   | 38.10 | 22.23 | 12.70 | 5.95  | 14.4 | 16.9 | 28.8 | 31.3 | 18.1  | 3.2   | 4,110  | 114 | 2.13 |
| C2082HSS316 | inch | 2.000 | 1.125 | 0.625 | 0.312 | 0.71 | 0.89 | 1.43 | 1.60 | 0.950 | 0.156 | 15,420 | 420 | 2.31 |
|             | mm   | 50.80 | 28.58 | 15.88 | 7.93  | 18.2 | 22.6 | 36.3 | 40.7 | 24.1  | 4.0   | 7,010  | 191 | 3.45 |

*Take a new look  
at an old product...*



*We've totally re-engineered the traditional stainless steel roller chain product in order to achieve unparalleled strength and wear performance. Now, incredibly, these chains possess ultimate strength ratings which challenge even the best carbon steel products. Wear performance has been increased by 35%-50% due to larger bearing areas and a unique labyrinth seal design.*

**MEGA CHAIN CONSTRUCTION**



**ALL PARTS ARE MADE FROM AISI 304 AUSTENETIC STAINLESS STEEL FOR EXCELLENT HEAT AND CORROSION RESISTANCE.**

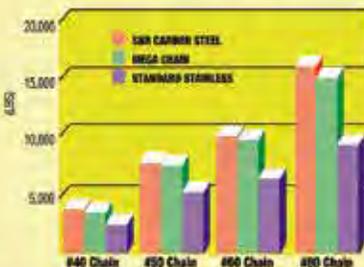
**DUAL FUNCTION LINK PLATE CONSTRUCTION**

Inside and outside link plates work together to improve strength and wear life in two important ways.

1. The "cap" portion of the outer plate engages the flanged portion of the inside plates under load to significantly improve both ultimate and fatigue strength. The improvement is so dramatic that these chains possess ultimate strength ratings which challenge even the best of the premium carbon steel brands.
2. The unique construction provides a labyrinth seal which helps to protect the pin/bushing wear area from abrasive particles and debris while allowing the penetration of lubricant. This feature, in combination with a larger pin/bushing bearing area, improves wear performance by 35%-50%.

**COMPARE ULTIMATE STRENGTH RATINGS**

**AVERAGE TENSILE STRENGTH**



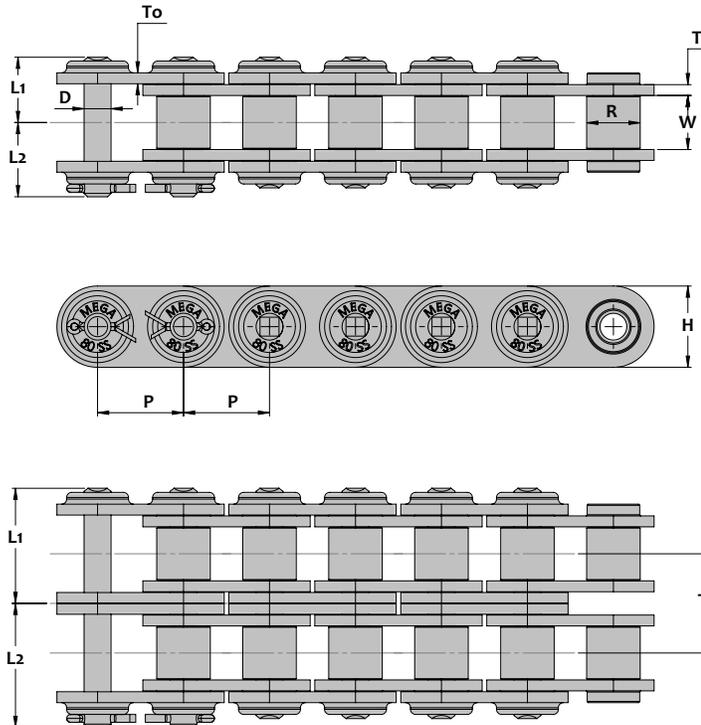
Stainless Steel MEGA CHAIN operates on standard ASME/ANSI sprockets. No special parts are required. Double strand and double pitch chains are available from the factory. Attachments are available for both the ANSI/ASME series and the double pitch series.

Outside plate "cap" engages the flanged inside plates increasing strength.

Labyrinth seal protects pin / bushing bearing area from contamination while allowing for lubrication.



## ASME/ANSI Standard 304 Stainless Steel Mega Chain



Chain Dimensions - Single Strand

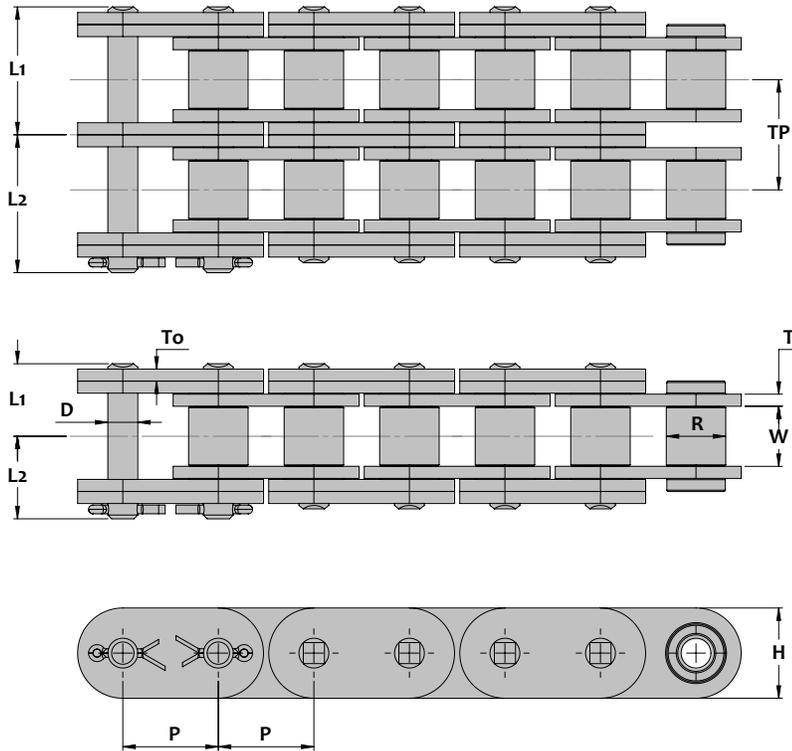
| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              | Pin   |        |      | Side Plate |        | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|------------|--------|--------------------|--|-----------------------------------|--|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |      | Height     | Thick. |                    |  |                                   |  |
|                    |       |                  | R      | W            | D     | Lr     | Lc   | H          | Ti/To  |                    |  |                                   |  |
| 40SS-MEGA          | inch  | 0.500            | 0.312  | 0.313        | 0.156 | 0.38   | 0.45 | 0.472      | 0.060  | -                  | 3,960                                    | 155                               | 0.51                                   |
|                    | mm    | 12.70            | 7.92   | 7.95         | 3.96  | 9.7    | 11.6 | 12.0       | 1.5    | -                  | 1,800                                    | 70                                | 0.76                                   |
| 50SS-MEGA          | inch  | 0.625            | 0.400  | 0.375        | 0.200 | 0.48   | 0.56 | 0.591      | 0.080  | -                  | 7,040                                    | 265                               | 0.87                                   |
|                    | mm    | 15.875           | 10.16  | 9.53         | 5.08  | 12.2   | 14.3 | 15.0       | 2.0    | -                  | 3,200                                    | 120                               | 1.30                                   |
| 60SS-MEGA          | inch  | 0.750            | 0.469  | 0.500        | 0.234 | 0.60   | 0.69 | 0.712      | 2.35   | -                  | 9,680                                    | 365                               | 1.28                                   |
|                    | mm    | 19.05            | 11.91  | 12.70        | 5.94  | 15.2   | 17.5 | 18.1       | 0.093  | -                  | 4,400                                    | 166                               | 1.92                                   |
| 80SS-MEGA          | inch  | 1.000            | 0.625  | 0.625        | 0.313 | 0.76   | 0.86 | 0.945      | 0.118  | -                  | 15,840                                   | 640                               | 2.15                                   |
|                    | mm    | 25.40            | 15.88  | 15.88        | 7.94  | 19.3   | 22.0 | 24.0       | 3.0    | -                  | 7,200                                    | 291                               | 3.21                                   |

Chain Dimensions - Double Strand

|             |      |        |       |       |       |      |      |       |       |       |        |       |      |
|-------------|------|--------|-------|-------|-------|------|------|-------|-------|-------|--------|-------|------|
| 40-2SS-MEGA | inch | 0.500  | 0.312 | 0.313 | 0.156 | 0.66 | 0.74 | 0.472 | 0.060 | 0.567 | 6,600  | 240   | 0.95 |
|             | mm   | 12.70  | 7.92  | 7.95  | 3.96  | 16.9 | 18.8 | 12.0  | 1.5   | 14.4  | 3,000  | 109   | 1.42 |
| 50-2SS-MEGA | inch | 0.625  | 0.400 | 0.375 | 0.200 | 0.83 | 0.92 | 0.591 | 0.080 | 0.713 | 10,560 | 420   | 1.64 |
|             | mm   | 15.875 | 10.16 | 9.53  | 5.08  | 21.2 | 23.3 | 15.0  | 2.0   | 18.1  | 4,800  | 191   | 2.45 |
| 60-2SS-MEGA | inch | 0.750  | 0.469 | 0.500 | 0.234 | 1.05 | 1.14 | 0.712 | 2.35  | 0.898 | 14,960 | 615   | 2.39 |
|             | mm   | 19.05  | 11.91 | 12.70 | 5.94  | 26.6 | 28.9 | 18.1  | 0.093 | 22.8  | 6,800  | 280   | 3.56 |
| 80-2SS-MEGA | inch | 1.000  | 0.625 | 0.625 | 0.313 | 1.34 | 1.44 | 0.945 | 0.118 | 1.154 | 23,760 | 1,080 | 3.87 |
|             | mm   | 25.40  | 15.88 | 15.88 | 7.94  | 34.0 | 36.6 | 24.0  | 3.0   | 29.3  | 10,800 | 491   | 5.76 |

# ASME/ANSI Standard 304 Stainless Steel Mega Chain II

Mega Chain II utilizes two straight outside plates on each side rather than the concave formed outside plate. The ultimate strength of this series is slightly higher than standard Mega Chain.



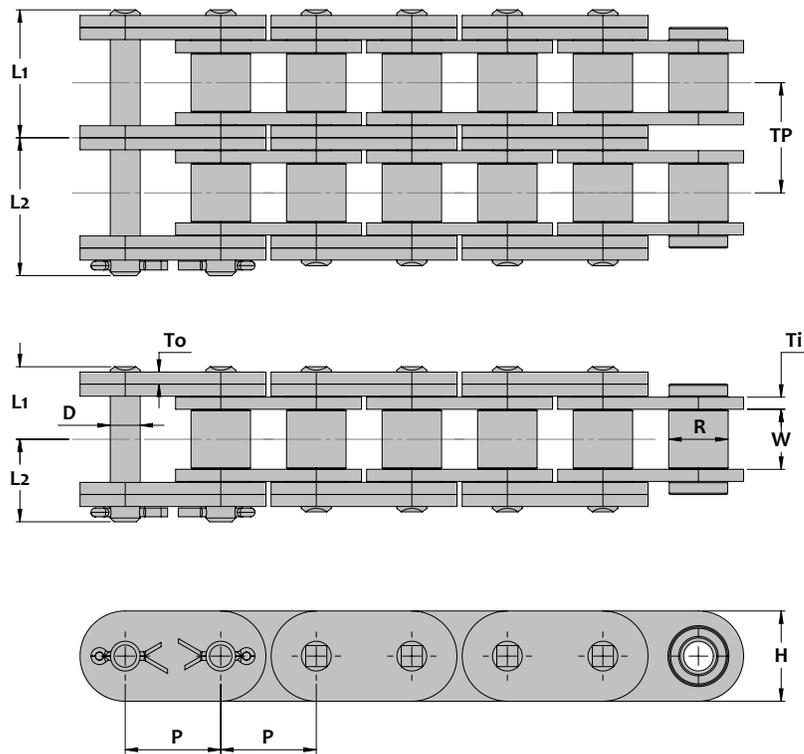
Chain Dimensions - Single Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller   |                   | Pin      |                   |             | Side Plate      |       | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|----------|-------------------|----------|-------------------|-------------|-----------------|-------|--------------------|--|-----------------------------------|--|
|                    |       |                  | Dia<br>R | Inside Width<br>W | Dia<br>D | Length<br>L1   L2 | Height<br>H | Thick.<br>Ti/To |       |                    |  |                                   |  |
| 40SS-MEGA II       | inch  | 0.500            | 0.312    | 0.313             | 0.156    | 0.38              | 0.45        | 0.472           | 0.060 | -                  | 4,400                                    | 155                               | 0.60                                   |
|                    | mm    | 12.70            | 7.92     | 7.95              | 3.96     | 9.7               | 11.6        | 12.0            | 1.5   | -                  | 2,000                                    | 70                                | 0.90                                   |
| 50SS-MEGA II       | inch  | 0.625            | 0.400    | 0.375             | 0.200    | 0.48              | 0.56        | 0.591           | 0.080 | -                  | 7,700                                    | 265                               | 1.04                                   |
|                    | mm    | 15.875           | 10.16    | 9.53              | 5.08     | 12.2              | 14.3        | 15.0            | 2.0   | -                  | 3,500                                    | 120                               | 1.55                                   |
| 60SS-MEGA II       | inch  | 0.750            | 0.469    | 0.500             | 0.234    | 0.60              | 0.69        | 0.712           | 2.35  | -                  | 10,560                                   | 365                               | 1.54                                   |
|                    | mm    | 19.05            | 11.91    | 12.70             | 5.94     | 15.2              | 17.5        | 18.1            | 0.093 | -                  | 4,800                                    | 166                               | 2.29                                   |
| 80SS-MEGA II       | inch  | 1.000            | 0.625    | 0.625             | 0.313    | 0.76              | 0.86        | 0.945           | 0.118 | -                  | 17,600                                   | 640                               | 2.62                                   |
|                    | mm    | 25.40            | 15.88    | 15.88             | 7.94     | 19.3              | 22.0        | 24.0            | 3.0   | -                  | 8,000                                    | 291                               | 3.90                                   |

Chain Dimensions - Double Strand

|                |      |        |       |       |       |      |      |       |       |       |        |       |      |
|----------------|------|--------|-------|-------|-------|------|------|-------|-------|-------|--------|-------|------|
| 40-2SS-MEGA II | inch | 0.500  | 0.312 | 0.313 | 0.156 | 0.66 | 0.74 | 0.472 | 0.060 | 0.567 | 7,350  | 240   | 1.04 |
|                | mm   | 12.70  | 7.92  | 7.95  | 3.96  | 16.9 | 18.8 | 12.0  | 1.5   | 14.4  | 3,340  | 109   | 1.56 |
| 50-2SS-MEGA II | inch | 0.625  | 0.400 | 0.375 | 0.200 | 0.83 | 0.92 | 0.591 | 0.080 | 0.713 | 11,550 | 420   | 1.81 |
|                | mm   | 15.875 | 10.16 | 9.53  | 5.08  | 21.2 | 23.3 | 15.0  | 2.0   | 18.1  | 5,250  | 191   | 2.70 |
| 60-2SS-MEGA II | inch | 0.750  | 0.469 | 0.500 | 0.234 | 1.05 | 1.14 | 0.712 | 2.35  | 0.898 | 16,260 | 615   | 2.65 |
|                | mm   | 19.05  | 11.91 | 12.70 | 5.94  | 26.6 | 28.9 | 18.1  | 0.093 | 22.8  | 7,390  | 280   | 3.95 |
| 80-2SS-MEGA II | inch | 1.000  | 0.625 | 0.625 | 0.313 | 1.34 | 1.44 | 0.945 | 0.118 | 1.154 | 26,400 | 1,080 | 4.33 |
|                | mm   | 25.40  | 15.88 | 15.88 | 7.94  | 34.0 | 36.6 | 24.0  | 3.0   | 29.3  | 12,000 | 491   | 6.46 |

## ISO 606B British Standard 304 Stainless Steel Mega Chain II



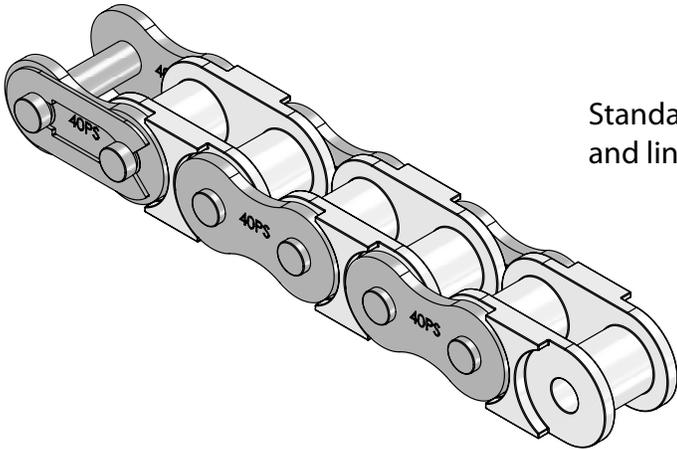
Chain Dimensions - Single Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller   |                   | Pin      |                   | Side Plate  |                      |       | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |      |
|--------------------|-------|------------------|----------|-------------------|----------|-------------------|-------------|----------------------|-------|--------------------|--|-----------------------------------|--|------|
|                    |       |                  | Dia<br>R | Inside Width<br>W | Dia<br>D | Length<br>L1   L2 | Height<br>H | Thickness<br>Ti   To |       |                    |  |                                   |  |      |
| 08BSS-MEGA II      | inch  | 0.500            | 0.335    | 0.305             | 0.175    | 0.38              | 0.45        | 0.465                | 0.060 |                    | -  | 4,400                             | 175                                    | 0.65 |
|                    | mm    | 12.70            | 8.51     | 7.75              | 4.44     | 9.7               | 11.6        | 11.81                | 1.50  |                    | -  | 2,000                             | 80                                     | 0.97 |
| 10BSS-MEGA II      | inch  | 0.625            | 0.400    | 0.375             | 0.200    | 0.48              | 0.56        | 0.591                | 0.080 |                    | -  | 7,700                             | 265                                    | 1.04 |
|                    | mm    | 15.875           | 10.16    | 9.53              | 5.08     | 12.2              | 14.3        | 15.0                 | 2.0   |                    | -  | 3,500                             | 120                                    | 1.55 |
| 12BSS-MEGA II      | inch  | 0.750            | 0.475    | 0.460             | 0.223    | 0.51              | 0.60        | 0.630                | 0.071 |                    | -  | 7,700                             | 310                                    | 1.14 |
|                    | mm    | 19.05            | 12.07    | 11.68             | 5.67     | 13.0              | 15.3        | 16.0                 | 1.8   |                    | -  | 3,500                             | 141                                    | 1.70 |
| 16BSS-MEGA II      | inch  | 1.000            | 0.625    | 0.670             | 0.326    | 0.79              | 0.88        | 0.945                | 0.118 | 0.125              | -  | 17,600                            | 660                                    | 2.62 |
|                    | mm    | 25.40            | 15.88    | 17.02             | 8.28     | 20.0              | 22.4        | 24.0                 | 3.0   | 3.2                | -  | 8,000                             | 300                                    | 3.91 |

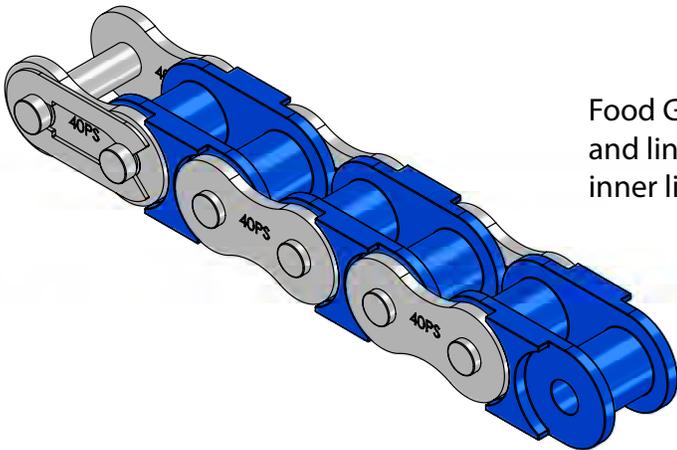
Chain Dimensions - Double Strand

|                 |      |        |       |       |       |      |      |       |       |       |       |        |       |      |
|-----------------|------|--------|-------|-------|-------|------|------|-------|-------|-------|-------|--------|-------|------|
| 08B-2SS-MEGA II | inch | 0.500  | 0.335 | 0.305 | 0.175 | 0.66 | 0.73 | 0.465 | 0.060 |       | 0.548 | 7,350  | 275   | 1.17 |
|                 | mm   | 12.70  | 8.51  | 7.75  | 4.44  | 16.7 | 18.5 | 11.81 | 1.50  |       | 13.92 | 3,340  | 125   | 1.75 |
| 10B-2SS-MEGA II | inch | 0.625  | 0.400 | 0.375 | 0.200 | 0.83 | 0.92 | 0.591 | 0.080 |       | 0.713 | 11,550 | 420   | 1.73 |
|                 | mm   | 15.875 | 10.16 | 9.53  | 5.08  | 21.2 | 23.3 | 15.0  | 2.0   |       | 18.1  | 5,250  | 191   | 2.58 |
| 12B-2SS-MEGA II | inch | 0.750  | 0.475 | 0.460 | 0.223 | 0.90 | 0.98 | 0.630 | 0.071 |       | 0.766 | 11,550 | 515   | 1.99 |
|                 | mm   | 19.05  | 12.07 | 11.68 | 5.67  | 22.8 | 25.0 | 16.0  | 1.8   |       | 19.46 | 5,250  | 234   | 2.96 |
| 16B-2SS-MEGA II | inch | 1.000  | 0.625 | 0.670 | 0.326 | 1.41 | 1.51 | 0.945 | 0.118 | 0.125 | 1.255 | 26,400 | 1,120 | 4.88 |
|                 | mm   | 25.40  | 15.88 | 17.02 | 8.28  | 35.9 | 38.3 | 24.0  | 3.0   | 3.2   | 31.88 | 12,000 | 509   | 7.27 |

## Poly Steel (PS) Chain



Standard PS (White) Version . . . 304 Stainless Steel pins and link plates - Engineered plastic (white) inner link



Food Grade PS(Blue) Version . . . 304 Stainless Steel pins and link plates - FDA approved Engineered plastic (blue) inner link

Standard Sprockets can be used however stainless steel or plastic sprockets are recommended in applications where rust can develop.

Allowable temperature range -4° F to 176° F (-20° C to 80° C)

Allowable PH range 4PH - 9PH

Maximum chain speed: 230 ft/min (70.1 m/min)

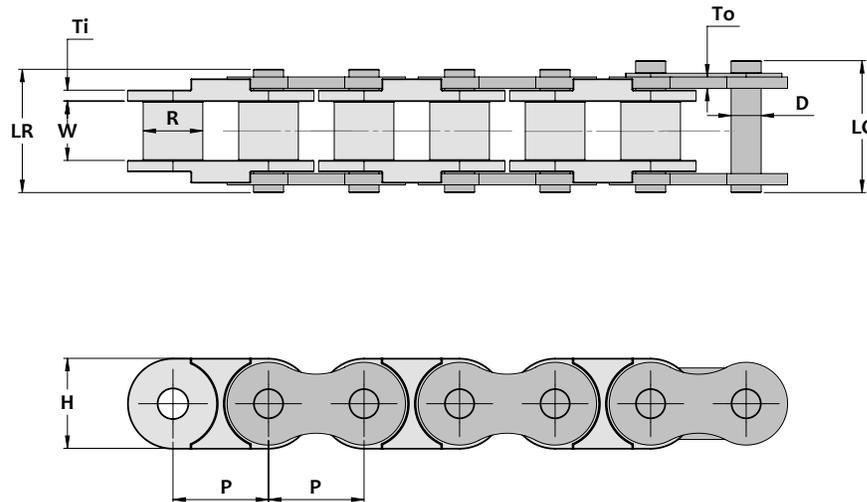
**Maintenance Free Operation**

**Light Weight**

**Less Noise**



## Poly Steel (PS) Chain



### Chain Dimensions - ASME/ANSI Standard

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |           | Pin       |      |      | Side Plate  |           |       | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-------------------|-----------|-----------|------|------|-------------|-----------|-------|-----------------------------------|--|
|                    |       |                  | Inside Width<br>W | Dia.<br>R | Dia.<br>D | LR   | LC   | Height<br>H | Thickness |       |                                   |  |
|                    |       |                  |                   |           |           |      |      | Ti          | To        |       |                                   |  |
| 25PS               | inch  | 0.250            | 0.122             | 0.130     | 0.091     | 0.35 | 0.39 | 0.237       | 0.050     | 0.030 | 18                                | 0.06                                   |
|                    | mm    | 6.35             | 3.10              | 3.30      | 2.31      | 8.9  | 9.9  | 6.02        | 1.3       | 0.75  | 8                                 | 0.10                                   |
| 35PS               | inch  | 0.375            | 0.184             | 0.200     | 0.142     | 0.54 | 0.58 | 0.356       | 0.090     | 0.047 | 40                                | 0.15                                   |
|                    | mm    | 9.525            | 4.68              | 5.08      | 3.60      | 13.6 | 14.8 | 9.1         | 2.2       | 1.2   | 18                                | 0.22                                   |
| 40PS               | inch  | 0.500            | 0.309             | 0.312     | 0.157     | 0.65 | 0.69 | 0.475       | 0.060     | 0.060 | 100                               | 0.26                                   |
|                    | mm    | 12.70            | 7.85              | 7.92      | 3.98      | 16.4 | 17.6 | 12.1        | 1.5       | 1.5   | 45                                | 0.39                                   |
| 50PS               | inch  | 0.625            | 0.370             | 0.400     | 0.200     | 0.80 | 0.86 | 0.594       | 0.080     | 0.080 | 155                               | 0.39                                   |
|                    | mm    | 15.875           | 9.40              | 10.16     | 5.09      | 20.3 | 21.8 | 15.1        | 2.0       | 2.0   | 70                                | 0.58                                   |
| 60PS               | inch  | 0.750            | 0.495             | 0.469     | 0.235     | 0.99 | 1.05 | 0.713       | 0.094     | 0.094 | 200                               | 0.55                                   |
|                    | mm    | 19.05            | 12.57             | 11.91     | 5.96      | 25.1 | 26.7 | 18.1        | 2.4       | 2.4   | 91                                | 0.82                                   |

### Chain Dimensions - British Standard

|       |      |        |       |       |       |      |      |       |       |       |     |      |
|-------|------|--------|-------|-------|-------|------|------|-------|-------|-------|-----|------|
| 06BPS | inch | 0.375  | 0.225 | 0.250 | 0.129 | 0.48 | 0.54 | 0.339 | 0.050 | 0.040 | 45  | 0.15 |
|       | mm   | 9.525  | 5.72  | 6.35  | 3.28  | 12.2 | 13.8 | 8.6   | 1.3   | 1.0   | 20  | 0.22 |
| 08BPS | inch | 0.500  | 0.305 | 0.335 | 0.175 | 0.65 | 0.69 | 0.465 | 0.063 | 0.050 | 105 | 0.25 |
|       | mm   | 12.70  | 7.75  | 8.51  | 4.45  | 16.4 | 17.7 | 11.8  | 1.6   | 1.5   | 48  | 0.37 |
| 10BPS | inch | 0.625  | 0.380 | 0.400 | 0.200 | 0.76 | 0.81 | 0.580 | 0.065 | 0.065 | 120 | 0.34 |
|       | mm   | 15.875 | 9.65  | 10.16 | 5.08  | 19.2 | 20.7 | 14.7  | 1.65  | 1.65  | 55  | 0.51 |
| 12BPS | inch | 0.750  | 0.460 | 0.475 | 0.225 | 0.87 | 0.93 | 0.635 | 0.070 | 0.070 | 155 | 0.46 |
|       | mm   | 19.05  | 11.68 | 12.07 | 5.72  | 22.2 | 23.7 | 16.1  | 1.8   | 1.8   | 70  | 0.68 |

# Stainless Steel Corrosion Resistance Guide

**Key**

- 1 High Corrosion Resistance
- 2 Satisfactory Corrosion Resistance
- 3 Partially Corrosion Resistant
- 4 Not Recommended

| Corrosive Agent                        | 304SS<br>Mega Chain | 600SS | 316SS | Corrosive Agent               | 304SS<br>Mega Chain | 600SS | 316SS |
|--|---------------------|-------|-------|-------------------------------|---------------------|-------|-------|
| Acetic Vapor                           | 3                   | 4     | 2     | Calcium Chloride              | 2                   | 3     | 1     |
| Acetic Acid 100% 70°F (21°C)           | 1                   | 2     | 1     | Calcium Hypo-chloride         | 1                   | 3     | 1     |
| Acetic Acid 100% Boiling               | 2                   | 3     | 1     | Calcium Oxi-chloride          | 3                   | 4     | 2     |
| Acetic Acid 50% 70°F (21°C)            | 1                   | 1     | 1     | Calcium Sulfate               | 1                   | 1     | 1     |
| Acetic Acid 50% Boiling                | 2                   | 3     | 1     | Carbolic Acid                 | 1                   | 1     | 1     |
| Acetone                                | 1                   | 1     | 1     | Carbon Disulfide              | 1                   | 1     | 1     |
| Alcohol Methyl, Ethyl, Butyl, Propyl   | 1                   | 1     | 1     | Carbon Monoxide               | 1                   | 2     | 1     |
| Aluminum Acetate                       | 1                   | 1     | 1     | Carbon Tetrachloride          | 1                   | 1     | 1     |
| Aluminum Chloride                      | 3                   | 3     | 2     | Caustic Lime, Soda, Lye       | 1                   | 1     | 1     |
| Aluminum Potassium Sulfate 70°F (21°C) | 1                   | 1     | 1     | Chlorinate Water 70°F (21°C)  | 1                   | 1     | 1     |
| Aluminum Potassium Sulfate - Boiling   | 2                   | 3     | 1     | Chlorine Gas Dry              | 3                   | 4     | 2     |
| Aluminum Sulfate 70°F (21°C)           | 1                   | 1     | 1     | Chlorine Gas Moist            | 4                   | 4     | 3     |
| Aluminum Sulfate Boiling               | 2                   | 2     | 1     | Chromic Acid 70°F (21°C)      | 1                   | 1     | 1     |
| Ammonia                                | 1                   | 1     | 1     | Chromic Acid Boiling          | 3                   | 4     | 1     |
| Ammonium Bicarbonate                   | 1                   | 1     | 1     | Citric Acid 70°F (21°C)       | 1                   | 1     | 1     |
| Ammonium Chloride 70°F (21°C)          | 1                   | 1     | 1     | Citric Acid Boiling           | 3                   | 4     | 1     |
| Ammonium Chloride Boiling              | 2                   | 2     | 3     | Calcium Hydroxide 20% Boiling | 1                   | 1     | 1     |
| Ammonium Hydroxide                     | 1                   | 1     | 1     | Coffee Boiling                | 1                   | 1     | 1     |
| Ammonium Nitrate                       | 1                   | 1     | 1     | Cola Syrup                    | 1                   | 1     | 1     |
| Ammonium Sulfate                       | 1                   | 1     | 1     | Copper Acetate                | 1                   | 1     | 1     |
| Aniline                                | 1                   | 1     | 1     | Copper Carbonate              | 1                   | 1     | 1     |
| Aniline Hydrochloride                  | 3                   | 3     | 2     | Copper Chloride 70°F (21°C)   | 3                   | 4     | 2     |
| Baking Soda                            | 1                   | 1     | 1     | Copper Chloride Boiling       | 4                   | 4     | 3     |
| Barium Carbonate                       | 1                   | 1     | 1     | Epson Salts                   | 1                   | 1     | 1     |
| Barium Chloride 70°F (21°C)            | 1                   | 2     | 1     | Ferric Chloride               | 2                   | 3     | 1     |
| Barium Chloride Hot                    | 2                   | 3     | 1     | Ferric Hydroxide              | 1                   | 1     | 1     |
| Barium Nitrate                         | 1                   | 1     | 1     | Ferric Nitrate                | 1                   | 1     | 1     |
| Barium Sulfate                         | 1                   | 1     | 1     | Formalin 40%                  | 1                   | 1     | 1     |
| Beer                                   | 1                   | 1     | 1     | Formic Acid                   | 2                   | 3     | 1     |
| Beet Juice                             | 1                   | 1     | 1     | Fruit Juices                  | 1                   | 2     | 1     |
| Benzene                                | 1                   | 1     | 1     | Gasoline                      | 1                   | 1     | 1     |
| Benzine                                | 1                   | 1     | 1     | Glue                          | 1                   | 1     | 1     |
| Bleaching Powder                       | 2                   | 4     | 1     | Glue Acidified                | 2                   | 3     | 1     |
| Blood (meat juices)                    | 1                   | 1     | 1     | Glycerine, Glycerol           | 1                   | 1     | 1     |
| Borax                                  | 1                   | 1     | 1     | Gypsum                        | 1                   | 1     | 1     |
| Boric Acid                             | 1                   | 1     | 1     | Honey                         | 1                   | 1     | 1     |
| Bromine                                | 4                   | 4     | 3     | Hydrochloric Acid 70°F (21°C) | 3                   | 3     | 3     |
| Butyric Acid                           | 1                   | 1     | 1     | Hydrochloric Acid Boiling     | 4                   | 4     | 4     |
| Calcium Carbonate                      | 1                   | 1     | 1     | Hydrochloric Acid Fumes       | 4                   | 4     | 4     |

# Stainless Steel Corrosion Resistance Guide

Key

- 1 High Corrosion Resistance
- 2 Satisfactory Corrosion Resistance
- 3 Partially Corrosion Resistant
- 4 Not Recommended

| Corrosive Agent                   | 304SS<br>Mega Chain | 600SS | 316SS | Corrosive Agent                | 304SS<br>Mega Chain | 600SS | 316SS |
|-----------------------------------|---------------------|-------|-------|--------------------------------|---------------------|-------|-------|
| Hydrogen Peroxide 70°F (21°C) 30% | 1                   | 2     | 1     | Potassium Bichromate           | 1                   | 1     | 1     |
| Hydrogen Sulfide Dry              | 1                   | 1     | 1     | Potassium Chlorate             | 1                   | 1     | 1     |
| Hydrogen Sulfide Moist            | 3                   | 3     | 3     | Potassium Chloride             | 2                   | 3     | 1     |
| Hydroxybenzene                    | 1                   | 1     | 1     | Potassium Cyanide              | 1                   | 1     | 1     |
| Iodine Dry                        | 1                   | 1     | 1     | Potassium Hydroxide 20%        | 1                   | 1     | 1     |
| Iodine Moist                      | 4                   | 4     | 3     | Potassium Nitrate              | 1                   | 1     | 1     |
| Kerosene                          | 1                   | 1     | 1     | Potassium Sulfate              | 1                   | 1     | 1     |
| Ketchup                           | 1                   | 1     | 1     | Potassium Sulfide              | 1                   | 1     | 1     |
| Lactic Acid 150°F (65°C) 10%      | 3                   | 3     | 1     | Salt Ammoniac                  | 2                   | 3     | 1     |
| Lactic Acid 70°F (21°C) 10%       | 1                   | 1     | 1     | Salt 150°F (65°C)              | 2                   | 3     | 1     |
| Lard                              | 1                   | 1     | 1     | Salt 70°F (21°C)               | 1                   | 2     | 1     |
| Linseed Oil                       | 1                   | 1     | 1     | Sea Water                      | 2                   | 3     | 1     |
| Lye 70°F (21°C)                   | 1                   | 1     | 1     | Sewage (sulfuric acid present) | 2                   | 3     | 1     |
| Lye Boiling                       | 2                   | 3     | 1     | Soap                           | 1                   | 1     | 1     |
| Magnesium Chloride 70°F (21°C)    | 2                   | 3     | 1     | Soap and Water Solution        | 1                   | 1     | 1     |
| Magnesium Chloride Hot            | 3                   | 4     | 2     | Sodium Acetate                 | 1                   | 1     | 1     |
| Malic Acid                        | 1                   | 1     | 1     | Sodium Chloride 70°F (21°C) 5% | 1                   | 2     | 1     |
| Manganese Chloride                | 1                   | 1     | 1     | Sodium Chloride Boiling 5%     | 2                   | 3     | 1     |
| Marsh Gas                         | 1                   | 1     | 1     | Sodium Cyanide                 | 1                   | 1     | 1     |
| Mayonnaise                        | 1                   | 2     | 1     | Sodium Fluoride                | 2                   | 3     | 1     |
| Mercury                           | 1                   | 1     | 1     | Sodium Hydroxide 25%           | 1                   | 1     | 1     |
| Milk                              | 1                   | 1     | 1     | Sodium Hypo chloride (Bleach)  | 3                   | 3     | 1     |
| Nickel Chloride                   | 2                   | 3     | 1     | Sodium Perchlorate             | 1                   | 3     | 1     |
| Nickel Sulfate                    | 1                   | 1     | 1     | Sodium Peroxide                | 1                   | 1     | 1     |
| Nitric Acid 70°F (21°C)           | 1                   | 1     | 1     | Sodium Sulfide                 | 2                   | 3     | 1     |
| Nitric Acid Concentrated Boiling  | 3                   | 4     | 2     | Sugar Solution                 | 1                   | 1     | 1     |
| Nitric Acid Fuming                | 3                   | 4     | 2     | Sulfur Dioxide                 | 1                   | 3     | 1     |
| Oil Crude                         | 2                   | 3     | 1     | Sulfuric Acid 70°F (21°C) 5%   | 2                   | 3     | 1     |
| Oil Refined                       | 1                   | 1     | 1     | Sulfuric Acid Boiling 5%       | 4                   | 4     | 2     |
| Oils (Mineral, Vegetable)         | 1                   | 1     | 1     | Sulfuric Acid Fuming           | 3                   | 4     | 1     |
| Oleic Acid                        | 2                   | 3     | 1     | Sulfuric Acid Vapor            | 2                   | 3     | 1     |
| Paraffin                          | 1                   | 1     | 1     | Turpentine                     | 1                   | 1     | 1     |
| Petroleum                         | 1                   | 1     | 1     | Varnish                        | 1                   | 1     | 1     |
| Phenol                            | 1                   | 1     | 1     | Vinegar                        | 1                   | 1     | 1     |
| Phosphate                         | 1                   | 1     | 1     | Whiskey                        | 1                   | 1     | 1     |
| Phosphoric Acid                   | 4                   | 4     | 3     | Wine                           | 1                   | 1     | 1     |
| Phosphoric Acid 10% 70°F (21°C)   | 2                   | 3     | 2     | Wood Pulp                      | 1                   | 1     | 1     |
| Phosphoric Acid 5% 70°F (21°C)    | 1                   | 2     | 1     | Zinc Chloride 70°F (21°C)      | 1                   | 1     | 1     |
| Picric Acid                       | 1                   | 1     | 1     | Zinc Chloride Boiling          | 3                   | 4     | 2     |

# Maintenance Free Roller Chain - General Information

## General Information

We offer one of the most extensive lines of specialty Maintenance Free roller chain products available to fit a wide array of special application needs. Designers can choose the series that best fits the particular needs of the application. These chains should be specified only when circumstances prohibit the use of lubricating oil since, in general, a well lubricated standard chain will offer longer life compared with a maintenance free chain. In some applications however lubrication isn't possible and so the use of a self lubricated or sealed roller chain is necessary.

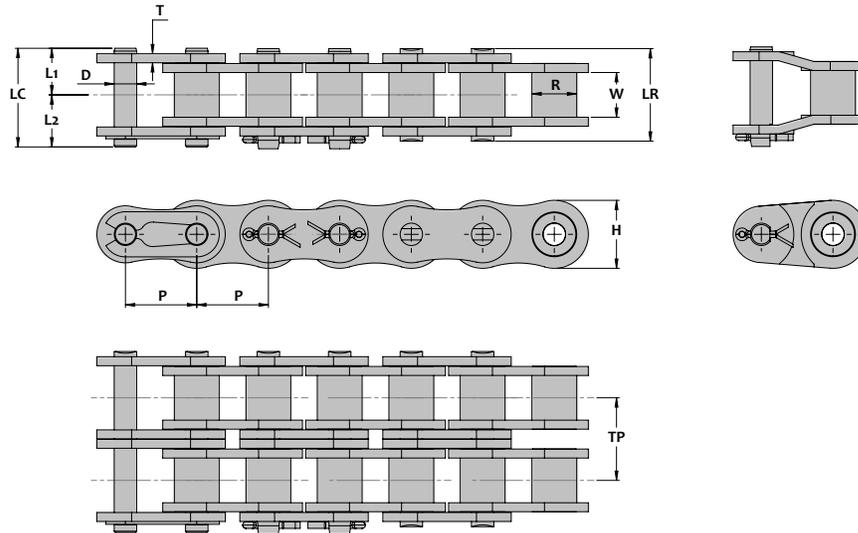
### General Properties of Maintenance Free Roller Chain Products

| Product Group                          | Series Name                           | Features   | Temperature Range  | Max Chain Speeds   |
|--|---------------------------------------|--|--|--|
| Sintered Type Oil Impregnated Bushings | Sintered Bushed (SL-Series) Chains    | Oil impregnated powdered metal sintered bushings release oil to the chain joint due to the friction developed between the pin and bushing as the chain articulates over the sprocket teeth. These chains are rollerless and thus use thick sectioned powdered metal bushings which can hold a high volume of oil.  | 14°F - 140°F<br>-10°C to 60°C  | 250 ft/min<br>75 m/min                                     |
|  | Freedom Series® PT Type Roller Chains | Oil impregnated powdered metal sintered bushings release oil to the chain joint due to the friction developed between the pin and bushing as the chain articulates over the sprocket teeth. These chains possess rollers to smooth the action over sprocket teeth. Roller link plates are one size thicker to increase strength. Side plates and pins have special coatings to prevent rust. | 14°F - 140°F<br>-10°C to 60°C  | 250 ft/min<br>75 m/min                                     |
|  | Freedom Series® C-Type Roller Chains  | Same as above except that the side plates are all standard thickness. The strength of the CS Type chains is less than the PT Type but greater than the SL type. Attachments with standard dimensions can be used for this series and thus they are often used on small material handling conveyors.  | 14°F - 140°F<br>-10°C to 60°C  | 250 ft/min<br>75 m/min                                     |
| Sealed Type Roller Chains              | O-Ring Chains                         | Specified on smaller pitch roller chains O-Ring chains utilize a rubber seal to keep lubricating grease in while preventing the penetration of dirt and other contaminants into the pin/bushing bearing area.  | 14°F - 140°F<br>-10°C to 60°C  | Depends on chain size. See specification table on page 99. |
|  | Seal Guard® Roller Chains             | Specified on larger pitch roller chains Seal Guard® chains utilize a stainless steel seal to keep lubricating grease in while preventing the penetration of dirt and other contaminants into the pin/bushing bearing area.   | 14°F - 140°F<br>-10°C to 60°C<br>Special Grease available to 300°F (150°C) | 170 ft/min<br>50 m/min                                     |



## ASME/ANSI Standard Self-Lube (SL) Series Roller Chain

Self-Lube (SL) chains feature oil impregnated sintered steel bushings, which release oil to the critical pin/bushing bearing area during operation and reabsorb it when the chain is at rest. The chains never need to be lubricated in service. They possess oversized bushings which will operate on standard sprockets. **CAUTION: The ultimate strength and working load ratings of SL-Series chains are less than their carbon steel counterparts. This fact should be considered when replacing standard carbon steel chains with SL-Series self lubricating chains.**



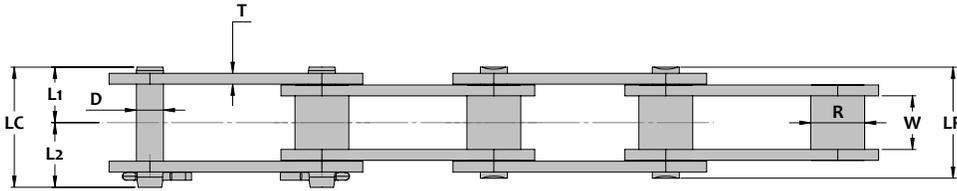
Chain Dimensions - Single Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Bushing |              | Pin   |        |      |      | Side Plate |        | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |      |
|--------------------|-------|------------------|---------|--------------|-------|--------|------|------|------------|--------|--------------------|--|-----------------------------------|--|------|
|                    |       |                  | Dia.    | Inside Width | Dia   | Length |      |      | Height     | Thick. |                    |  |                                   |  |      |
|                    |       |                  | R       | W            | D     | L1     | L2   | LR   | LC         | H      |                    |  |                                   |  | T    |
| 40SL               | inch  | 0.500            | 0.312   | 0.313        | 0.156 | 0.33   | 0.38 | 0.65 | 0.70       | 0.461  | 0.060              | -  | 2,860                             | 660                                    | 0.42 |
|                    | mm    | 12.70            | 7.92    | 7.95         | 3.96  | 8.3    | 9.6  | 16.6 | 17.9       | 11.7   | 1.5                | -  | 1,300                             | 300                                    | 0.63 |
| 50SL               | inch  | 0.625            | 0.400   | 0.375        | 0.200 | 0.40   | 0.46 | 0.80 | 0.87       | 0.575  | 0.080              | -  | 4,410                             | 1,100                                  | 0.69 |
|                    | mm    | 15.875           | 10.16   | 9.53         | 5.08  | 10.2   | 11.8 | 20.4 | 22.0       | 14.6   | 2.0                | -  | 2,005                             | 500                                    | 1.03 |
| 60SL               | inch  | 0.750            | 0.469   | 0.500        | 0.234 | 0.50   | 0.56 | 1.00 | 1.06       | 0.689  | 0.094              | -  | 6,390                             | 1,540                                  | 0.98 |
|                    | mm    | 19.05            | 11.91   | 12.70        | 5.95  | 12.8   | 14.1 | 25.5 | 26.9       | 17.5   | 2.4                | -  | 2,905                             | 700                                    | 1.46 |
| 80SL               | inch  | 1.000            | 0.625   | 0.625        | 0.312 | 0.65   | 0.75 | 1.29 | 1.40       | 0.921  | 0.126              | -  | 11,470                            | 2,655                                  | 1.74 |
|                    | mm    | 25.4             | 15.88   | 15.88        | 7.93  | 16.4   | 19.1 | 32.8 | 35.5       | 23.4   | 3.2                | -  | 5,215                             | 1,205                                  | 2.60 |
| 100SL              | inch  | 1.250            | 0.75    | 0.750        | 0.375 | 0.78   | 0.92 | 1.55 | 1.69       | 1.154  | 0.157              | -  | 18,520                            | 3,980                                  | 2.54 |
|                    | mm    | 31.75            | 19.05   | 19.05        | 9.53  | 19.7   | 23.3 | 39.4 | 43.0       | 29.3   | 4.0                | -  | 8,420                             | 1,810                                  | 3.79 |
| 120SL              | inch  | 1.500            | 0.875   | 1.000        | 0.437 | 0.98   | 1.13 | 1.95 | 2.10       | 1.382  | 0.188              | -  | 26,530                            | 5,735                                  | 3.74 |
|                    | mm    | 38.10            | 22.23   | 25.40        | 11.10 | 24.8   | 28.6 | 49.5 | 53.4       | 35.1   | 4.8                | -  | 12,060                            | 2,605                                  | 5.58 |

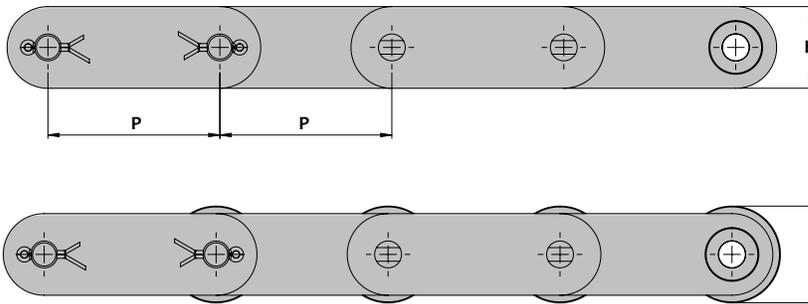
Chain Dimensions - Double Strand

|        |      |        |       |       |       |      |      |      |      |       |       |       |        |       |      |
|--------|------|--------|-------|-------|-------|------|------|------|------|-------|-------|-------|--------|-------|------|
| 40-2SL | inch | 0.500  | 0.312 | 0.313 | 0.156 | 0.61 | 0.66 | 1.21 | 1.27 | 0.461 | 0.060 | 0.567 | 5,710  | 1,125 | 0.87 |
|        | mm   | 12.70  | 7.92  | 7.95  | 3.96  | 15.4 | 16.8 | 30.8 | 32.2 | 11.7  | 1.5   | 14.4  | 2,595  | 511   | 1.30 |
| 50-2SL | inch | 0.625  | 0.400 | 0.375 | 0.200 | 0.76 | 0.82 | 1.51 | 1.57 | 0.575 | 0.080 | 0.712 | 8,810  | 1,870 | 1.41 |
|        | mm   | 15.875 | 10.16 | 9.53  | 5.08  | 19.2 | 20.8 | 38.4 | 40.0 | 14.6  | 2.0   | 18.08 | 4,005  | 850   | 2.10 |
| 60-2SL | inch | 0.750  | 0.469 | 0.500 | 0.234 | 0.94 | 1.01 | 1.90 | 1.96 | 0.689 | 0.094 | 0.898 | 12,770 | 2,610 | 2.01 |
|        | mm   | 19.05  | 11.91 | 12.70 | 5.95  | 24.0 | 25.7 | 48.2 | 49.7 | 17.5  | 2.4   | 22.8  | 5,805  | 1,185 | 3.00 |
| 80-2SL | inch | 1.000  | 0.625 | 0.625 | 0.312 | 1.21 | 1.33 | 2.43 | 2.54 | 0.921 | 0.126 | 1.154 | 22,930 | 4,500 | 3.49 |
|        | mm   | 25.4   | 15.88 | 15.88 | 7.93  | 30.8 | 33.7 | 61.6 | 64.5 | 23.4  | 3.2   | 29.3  | 10,425 | 2,045 | 5.20 |

# ASME/ANSI Double Pitch Self-Lube (SL) Series Roller Chain



Standard Roller



Large Roller

## Chain Dimensions - Standard Roller

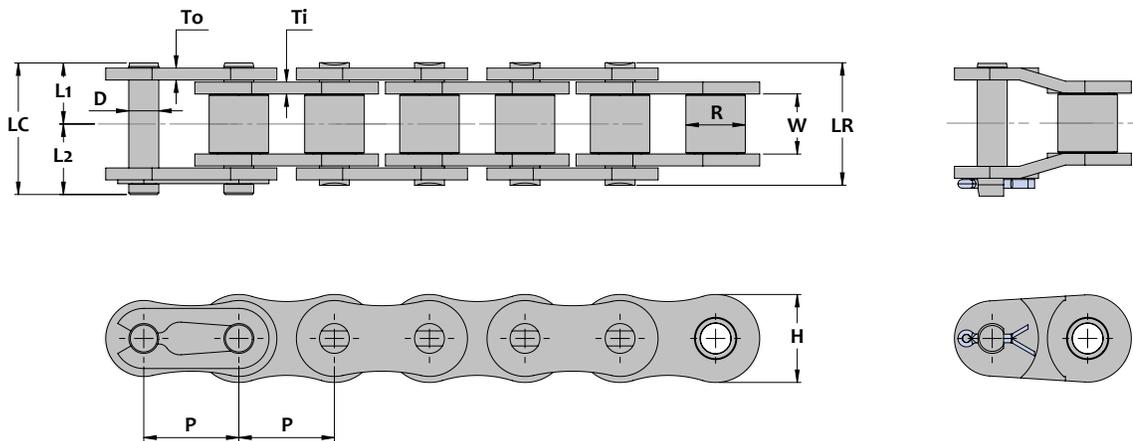
| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller   |                   |          | Pin    |      |      |      | Side Plate  |             | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|----------|-------------------|----------|--------|------|------|------|-------------|-------------|--|-----------------------------------|--|
|                    |       |                  | Dia<br>R | Inside Width<br>W | Dia<br>D | Length |      |      |      | Height<br>H | Thick.<br>T |  |                                   |  |
|                    |       |                  |          |                   |          | L1     | L2   | LR   | LC   |             |             |  |                                   |  |
| C2040SL            | inch  | 1.000            | 0.312    | 0.313             | 0.156    | 0.32   | 0.41 | 0.65 | 0.73 | 0.475       | 0.060       | 2,860                                    | 660                               | 0.32                                   |
|                    | mm    | 25.40            | 7.92     | 7.95              | 3.96     | 8.2    | 10.3 | 16.4 | 18.5 | 12.06       | 1.5         | 1,300                                    | 300                               | 0.48                                   |
| C2050SL            | inch  | 1.250            | 0.400    | 0.375             | 0.200    | 0.40   | 0.49 | 0.80 | 0.89 | 0.594       | 0.080       | 4,410                                    | 1,100                             | 0.55                                   |
|                    | mm    | 31.75            | 10.16    | 9.53              | 5.08     | 10.2   | 12.4 | 20.3 | 22.6 | 15.1        | 2.0         | 2,005                                    | 500                               | 0.82                                   |
| C2060SL            | inch  | 1.500            | 0.469    | 0.500             | 0.234    | 0.50   | 0.56 | 1.00 | 1.06 | 0.712       | 0.094       | 6,390                                    | 1,540                             | 0.80                                   |
|                    | mm    | 38.10            | 11.91    | 12.70             | 5.95     | 12.8   | 14.1 | 25.5 | 26.9 | 18.1        | 2.4         | 2,905                                    | 700                               | 1.20                                   |
| C2080SL            | inch  | 2.000            | 0.625    | 0.625             | 0.312    | 0.65   | 0.75 | 1.29 | 1.40 | 0.950       | 0.126       | 11,470                                   | 2,655                             | 1.33                                   |
|                    | mm    | 50.80            | 15.88    | 15.88             | 7.93     | 16.4   | 19.1 | 32.8 | 35.5 | 24.1        | 3.2         | 5,215                                    | 1,205                             | 1.99                                   |

## Chain Dimensions - Larger Roller

|         |      |       |       |       |       |      |      |      |      |       |       |        |       |      |
|---------|------|-------|-------|-------|-------|------|------|------|------|-------|-------|--------|-------|------|
| C2042SL | inch | 1.000 | 0.625 | 0.313 | 0.156 | 0.32 | 0.41 | 0.65 | 0.73 | 0.475 | 0.060 | 2,860  | 660   | 0.55 |
|         | mm   | 25.40 | 15.88 | 7.95  | 3.96  | 8.2  | 10.3 | 16.4 | 18.5 | 12.06 | 1.5   | 1,300  | 300   | 0.82 |
| C2052SL | inch | 1.250 | 0.750 | 0.375 | 0.200 | 0.40 | 0.49 | 0.80 | 0.89 | 0.594 | 0.080 | 4,410  | 1,100 | 0.84 |
|         | mm   | 31.75 | 19.05 | 9.53  | 5.08  | 10.2 | 12.4 | 20.3 | 22.6 | 15.1  | 2.0   | 2,005  | 500   | 1.26 |
| C2062SL | inch | 1.500 | 0.875 | 0.500 | 0.234 | 0.50 | 0.56 | 1.00 | 1.06 | 0.712 | 0.094 | 6,390  | 1,540 | 1.19 |
|         | mm   | 38.10 | 22.23 | 12.70 | 5.95  | 12.8 | 14.1 | 25.5 | 26.9 | 18.1  | 2.4   | 2,905  | 700   | 1.78 |
| C2082SL | inch | 2.000 | 1.125 | 0.625 | 0.312 | 0.65 | 0.75 | 1.29 | 1.40 | 0.950 | 0.126 | 11,470 | 2,655 | 2.03 |
|         | mm   | 50.80 | 28.58 | 15.88 | 7.93  | 16.4 | 19.1 | 32.8 | 35.5 | 24.1  | 3.2   | 5,215  | 1,205 | 3.03 |

## ASME/ANSI Standard Freedom Series® PT-Type Roller Chain

Freedom Series® Self-Lubricating Roller Chains offer premium performance and value in a sintered bushing maintenance free product. These chains feature the addition of rollers to reduce friction and smooth the action over sprockets, specially coated pins and link plates for rust prevention and special part treatments for improved wear performance. The PT-Type chains are used mainly for power transmission applications. Side plates of the roller links are one size thicker than standard providing chain strength that is similar to standard roller chains. This allows for direct replacement for most moderate speed drive applications. The chains will operate on standard ASME/ANSI sprockets. ( Maximum operating speed of 160 FPM)

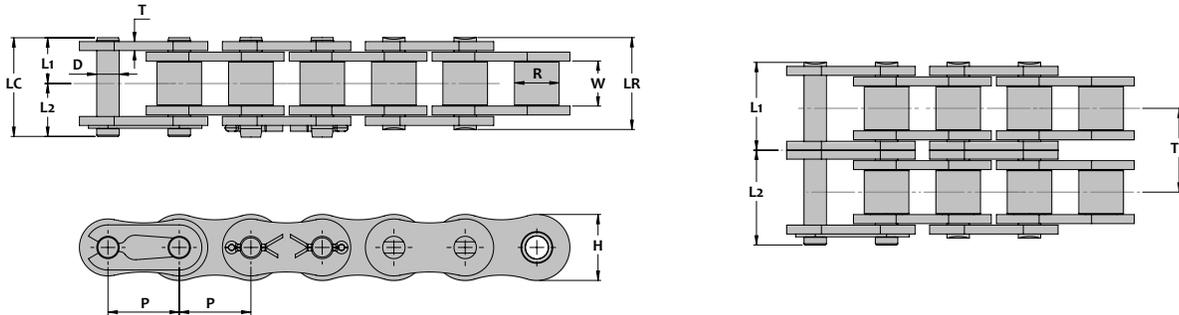


### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller    |                   | Dia<br>D | Pin          |              |              |              | Side Plate  |           |       | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-----------|-------------------|----------|--------------|--------------|--------------|--------------|-------------|-----------|-------|--|-----------------------------------|--|
|                    |       |                  | Dia.<br>R | Inside Width<br>W |          | Length<br>L1 | Length<br>L2 | Length<br>LR | Length<br>LC | Height<br>H | Thickness |       |  |                                   |  |
|                    |       |                  |           |                   |          |              |              |              |              |             | Ti        | To    |  |                                   |  |
| 40FS               | inch  | 0.500            | 0.312     | 0.313             | 0.156    | 0.33         | 0.39         | 0.65         | 0.71         | 0.461       | 0.080     | 0.060 | 4,300                                    | 815                               | 0.47                                   |
|                    | mm    | 12.70            | 7.92      | 7.95              | 3.96     | 8.3          | 9.8          | 16.6         | 18.1         | 11.7        | 2.0       | 1.5   | 1,955                                    | 370                               | 0.70                                   |
| 50FS               | inch  | 0.625            | 0.400     | 0.375             | 0.200    | 0.41         | 0.47         | 0.81         | 0.88         | 0.575       | 0.094     | 0.080 | 7,200                                    | 1,410                             | 0.74                                   |
|                    | mm    | 15.875           | 10.16     | 9.53              | 5.08     | 10.3         | 12.0         | 20.6         | 22.3         | 14.6        | 2.4       | 2.0   | 3,275                                    | 641                               | 1.10                                   |
| 60FS               | inch  | 0.750            | 0.469     | 0.500             | 0.234    | 0.51         | 0.57         | 1.02         | 1.08         | 0.689       | 0.125     | 0.094 | 10,000                                   | 1,940                             | 1.14                                   |
|                    | mm    | 19.05            | 11.91     | 12.70             | 5.95     | 13.0         | 14.5         | 26.0         | 27.5         | 17.5        | 3.2       | 2.4   | 4,545                                    | 882                               | 1.70                                   |
| 80FS               | inch  | 1.000            | 0.625     | 0.625             | 0.312    | 0.65         | 0.76         | 1.30         | 1.41         | 0.921       | 0.157     | 0.126 | 17,650                                   | 3,300                             | 1.81                                   |
|                    | mm    | 25.4             | 15.88     | 15.88             | 7.93     | 16.5         | 19.4         | 33.0         | 35.9         | 23.4        | 4.0       | 3.2   | 8,025                                    | 1,500                             | 2.70                                   |
| 100FS              | inch  | 1.250            | 0.75      | 0.750             | 0.375    | 0.78         | 0.91         | 1.57         | 1.70         | 1.154       | 0.189     | 0.157 | 26,500                                   | 5,080                             | 2.88                                   |
|                    | mm    | 31.75            | 19.05     | 19.05             | 9.53     | 19.9         | 23.2         | 39.8         | 43.1         | 29.3        | 4.8       | 4.0   | 12,045                                   | 2,310                             | 4.30                                   |
| 120FS              | inch  | 1.500            | 0.875     | 1.000             | 0.437    | 0.98         | 1.11         | 1.96         | 2.09         | 1.382       | 0.220     | 0.188 | 39,000                                   | 6,830                             | 4.02                                   |
|                    | mm    | 38.10            | 22.23     | 25.40             | 11.10    | 24.9         | 28.3         | 49.8         | 53.2         | 35.1        | 5.6       | 4.8   | 17,725                                   | 3,105                             | 6.00                                   |

# ASME/ANSI Standard Freedom Series® C-Type Roller Chain

Freedom Series® Self-Lubricating C-Type chains are dimensionally equivalent to standard products. Available in single strand, double strand. These chains can be used for power transmission or conveyor applications that utilize attachments. Double Pitch chains are also available. C-Type chains are stronger than SL-Series but not as strong as PT-Type so care must be taken to assure the chains possess sufficient strength when replacing standard carbon steel chains.



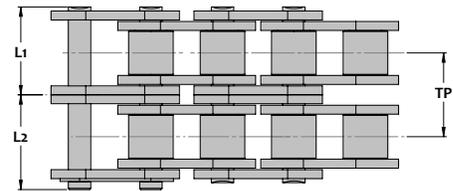
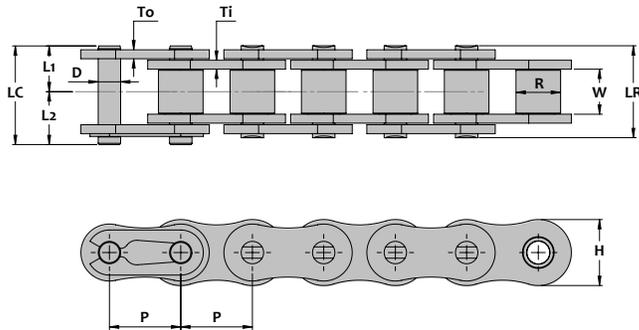
## Chain Dimensions - Single Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |      |      |        | Side Plate |       | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|------|--------|------------|-------|--------------------|--|-----------------------------------|--|
|                    |       |                  | Dia.   | Inside Width | Dia   | Length |      |      | Height | Thick.     |       |                    |  |                                   |  |
|                    |       |                  | R      | W            | D     | L1     | L2   | LR   | LC     | H          | T     |                    |  |                                   |  |
| 40FS-C             | inch  | 0.500            | 0.312  | 0.313        | 0.156 | 0.33   | 0.38 | 0.65 | 0.70   | 0.461      | 0.060 | -                  | 3,530                                    | 815                               | 0.40                                   |
|                    | mm    | 12.70            | 7.92   | 7.95         | 3.96  | 8.3    | 9.6  | 16.6 | 17.9   | 11.7       | 1.5   | -                  | 1,605                                    | 370                               | 0.60                                   |
| 50FS-C             | inch  | 0.625            | 0.400  | 0.375        | 0.200 | 0.40   | 0.46 | 0.80 | 0.87   | 0.575      | 0.080 | -                  | 5,730                                    | 1,410                             | 0.67                                   |
|                    | mm    | 15.875           | 10.16  | 9.53         | 5.08  | 10.2   | 11.8 | 20.4 | 22.0   | 14.6       | 2.0   | -                  | 2,605                                    | 641                               | 1.00                                   |
| 60FS-C             | inch  | 0.750            | 0.469  | 0.500        | 0.234 | 0.50   | 0.56 | 1.00 | 1.06   | 0.689      | 0.094 | -                  | 8,390                                    | 1,940                             | 1.01                                   |
|                    | mm    | 19.05            | 11.91  | 12.70        | 5.95  | 12.8   | 14.1 | 25.5 | 26.9   | 17.5       | 2.4   | -                  | 3,815                                    | 882                               | 1.50                                   |
| 80FS-C             | inch  | 1.000            | 0.625  | 0.625        | 0.312 | 0.65   | 0.75 | 1.29 | 1.40   | 0.921      | 0.126 | -                  | 14,320                                   | 3,310                             | 1.68                                   |
|                    | mm    | 25.4             | 15.88  | 15.88        | 7.93  | 16.4   | 19.1 | 32.8 | 35.5   | 23.4       | 3.2   | -                  | 6,510                                    | 1,505                             | 2.50                                   |
| 100FS-C            | inch  | 1.250            | 0.75   | 0.750        | 0.375 | 0.78   | 0.92 | 1.55 | 1.69   | 1.154      | 0.157 | -                  | 22,480                                   | 5,060                             | 2.62                                   |
|                    | mm    | 31.75            | 19.05  | 19.05        | 9.53  | 19.7   | 23.3 | 39.4 | 43.0   | 29.3       | 4.0   | -                  | 10,220                                   | 2,300                             | 3.90                                   |
| 120FS-C            | inch  | 1.500            | 0.875  | 1.000        | 0.437 | 0.98   | 1.13 | 1.95 | 2.10   | 1.382      | 0.188 | -                  | 35,300                                   | 6,830                             | 3.89                                   |
|                    | mm    | 38.10            | 22.23  | 25.40        | 11.10 | 24.8   | 28.6 | 49.5 | 53.4   | 35.1       | 4.8   | -                  | 16,045                                   | 3,105                             | 5.80                                   |

## Chain Dimensions - Double Strand

|          |      |        |       |       |       |      |      |      |      |       |       |       |        |       |      |
|----------|------|--------|-------|-------|-------|------|------|------|------|-------|-------|-------|--------|-------|------|
| 40-2FS-C | inch | 0.500  | 0.312 | 0.313 | 0.156 | 0.61 | 0.66 | 1.21 | 1.27 | 0.461 | 0.060 | 0.567 | 7,060  | 1,420 | 0.74 |
|          | mm   | 12.70  | 7.92  | 7.95  | 3.96  | 15.4 | 16.8 | 30.8 | 32.2 | 11.7  | 1.5   | 14.4  | 3,210  | 645   | 1.10 |
| 50-2FS-C | inch | 0.625  | 0.400 | 0.375 | 0.200 | 0.76 | 0.82 | 1.51 | 1.57 | 0.575 | 0.080 | 0.712 | 11,470 | 2,380 | 1.27 |
|          | mm   | 15.875 | 10.16 | 9.53  | 5.08  | 19.2 | 20.8 | 38.4 | 40.0 | 14.6  | 2.0   | 18.08 | 5,215  | 1,080 | 1.90 |
| 60-2FS-C | inch | 0.750  | 0.469 | 0.500 | 0.234 | 0.94 | 1.01 | 1.90 | 1.96 | 0.689 | 0.094 | 0.898 | 12,280 | 3,400 | 1.88 |
|          | mm   | 19.05  | 11.91 | 12.70 | 5.95  | 24.0 | 25.7 | 48.2 | 49.7 | 17.5  | 2.4   | 22.8  | 5,580  | 1,545 | 2.80 |
| 80-2FS-C | inch | 1.000  | 0.625 | 0.625 | 0.312 | 1.21 | 1.33 | 2.43 | 2.54 | 0.921 | 0.126 | 1.154 | 28,550 | 5,780 | 3.29 |
|          | mm   | 25.4   | 15.88 | 15.88 | 7.93  | 30.8 | 33.7 | 61.6 | 64.5 | 23.4  | 3.2   | 29.3  | 12,975 | 2,625 | 4.90 |

# ISO 606B British Standard Freedom Series® C-Type Roller Chain



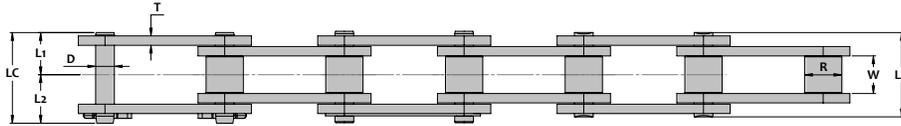
## Chain Dimensions - Single Strand

| MAXCO Chain Number | Units | Chain Pitch P | Roller         |        | Pin    |        |      |      | Side Plate |           | Trans. Pitch TP | Average Ultimate Strength | Rated Working Load | Average Chain Weight |       |      |
|--------------------|-------|---------------|----------------|--------|--------|--------|------|------|------------|-----------|-----------------|---------------------------|--------------------|----------------------|-------|------|
|                    |       |               | Inside Width W | Dia. R | Dia. D | Length |      |      | Height H   | Thickness |                 |                           |                    |                      |       |      |
|                    |       |               |                |        |        | L1     | L2   | LR   | LC         | To        |                 |                           |                    |                      | Ti    |      |
| 08BFS-C            | inch  | 0.500         | 0.305          | 0.335  | 0.175  | 0.33   | 0.39 | 0.66 | 0.72       | 0.465     | 0.060           | -                         | 3,780              | 650                  | 0.40  |      |
|                    | mm    | 12.70         | 7.75           | 8.51   | 4.45   | 8.4    | 9.8  | 16.7 | 18.2       | 11.8      | 1.5             | -                         | 1,720              | 295                  | 0.60  |      |
| 10BFS-C            | inch  | 0.625         | 0.380          | 0.400  | 0.200  | 0.37   | 0.44 | 0.75 | 0.81       | 0.579     | 0.065           | -                         | 5,530              | 990                  | 0.60  |      |
|                    | mm    | 15.875        | 9.65           | 10.16  | 5.08   | 9.5    | 11.2 | 19.0 | 20.7       | 14.7      | 1.65            | -                         | 2,515              | 450                  | 0.90  |      |
| 12BFS-C            | inch  | 0.750         | 0.460          | 0.475  | 0.225  | 0.43   | 0.50 | 0.87 | 0.93       | 0.634     | 0.070           | -                         | 7,280              | 1,420                | 0.74  |      |
|                    | mm    | 19.05         | 11.68          | 12.07  | 5.7    | 11.0   | 12.6 | 22.0 | 23.6       | 16.1      | 1.8             | -                         | 3,310              | 645                  | 1.10  |      |
| 16BFS-C            | inch  | 1.000         | 0.670          | 0.625  | 0.325  | 0.69   | 0.81 | 1.38 | 1.50       | 0.827     | 0.126           | 0.157                     | -                  | 16,770               | 2,740 | 1.74 |
|                    | mm    | 25.40         | 17.02          | 15.88  | 8.26   | 17.6   | 20.6 | 35.1 | 38.2       | 21.0      | 3.2             | 4.0                       | -                  | 7,625                | 1,245 | 2.60 |
| 20BFS-C            | inch  | 1.250         | 0.770          | 0.750  | 0.400  | 0.79   | 0.94 | 1.58 | 1.73       | 1.039     | 0.138           | 0.177                     | -                  | 28,840               | 4,290 | 2.55 |
|                    | mm    | 31.75         | 19.56          | 19.05  | 10.16  | 20.1   | 23.9 | 40.2 | 44.0       | 26.4      | 3.5             | 4.5                       | -                  | 13,110               | 1,950 | 3.80 |

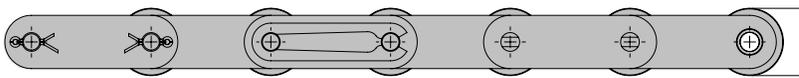
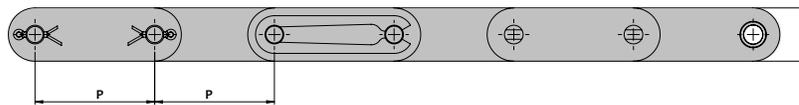
## Chain Dimensions - Double Strand

|           |      |        |       |       |       |      |      |      |      |       |       |       |        |        |       |      |
|-----------|------|--------|-------|-------|-------|------|------|------|------|-------|-------|-------|--------|--------|-------|------|
| 08B-2FS-C | inch | 0.500  | 0.305 | 0.335 | 0.175 | 0.60 | 0.65 | 1.20 | 1.26 | 0.465 | 0.060 | 0.548 | 7,550  | 1,120  | 0.87  |      |
|           | mm   | 12.70  | 7.75  | 8.51  | 4.45  | 15.3 | 16.6 | 30.6 | 31.9 | 11.8  | 1.5   | 13.92 | 3,430  | 509    | 1.30  |      |
| 10B-2FS-C | inch | 0.625  | 0.380 | 0.400 | 0.200 | 0.70 | 0.77 | 1.40 | 1.47 | 0.579 | 0.065 | 0.653 | 11,060 | 1,690  | 1.21  |      |
|           | mm   | 15.875 | 9.65  | 10.16 | 5.08  | 17.8 | 19.5 | 35.6 | 37.3 | 14.7  | 1.65  | 16.59 | 5,025  | 768    | 1.80  |      |
| 12B-2FS-C | inch | 0.750  | 0.460 | 0.475 | 0.225 | 0.82 | 0.88 | 1.64 | 1.70 | 0.634 | 0.070 | 0.766 | 14,570 | 2,430  | 1.94  |      |
|           | mm   | 19.05  | 11.68 | 12.07 | 5.7   | 20.8 | 22.3 | 41.6 | 43.1 | 16.1  | 1.8   | 19.46 | 6,625  | 1,105  | 2.90  |      |
| 16B-2FS-c | inch | 1.000  | 0.670 | 0.625 | 0.325 | 1.32 | 1.44 | 2.64 | 2.76 | 0.827 | 0.126 | 0.157 | 1.255  | 33,540 | 4,650 | 3.42 |
|           | mm   | 25.40  | 17.02 | 15.88 | 8.26  | 33.6 | 36.5 | 67.2 | 70.1 | 21.0  | 3.2   | 4.0   | 31.88  | 15,245 | 2,115 | 5.10 |
| 20B-2FS-C | inch | 1.250  | 0.770 | 0.750 | 0.400 | 1.51 | 1.66 | 3.02 | 3.17 | 1.039 | 0.138 | 0.177 | 1.435  | 57,690 | 7,280 | 4.90 |
|           | mm   | 31.75  | 19.56 | 19.05 | 10.16 | 38.4 | 42.2 | 76.8 | 80.6 | 26.4  | 3.5   | 4.5   | 36.45  | 26,225 | 3,310 | 7.30 |

# ASME/ANSI Double Pitch Freedom Series® C-Type Roller Chain



Standard Roller



Large Roller

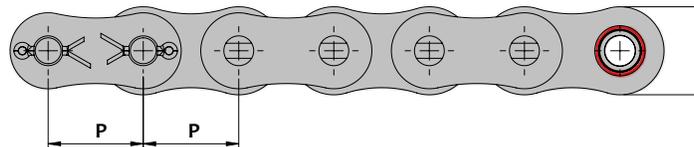
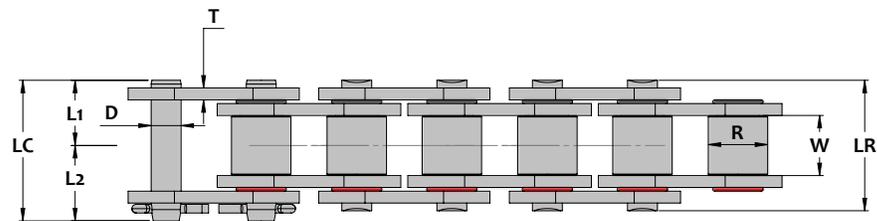
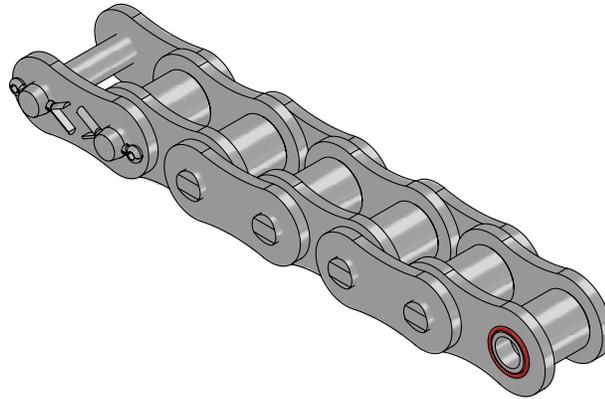
## Chain Dimensions - Standard Roller

| MAXCO Chain Number | Units | Chain Pitch P | Roller |                | Dia D | Pin       |           |           |           | Side Plate |          | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|---------------|--------|----------------|-------|-----------|-----------|-----------|-----------|------------|----------|--|-----------------------------------|--|
|                    |       |               | Dia R  | Inside Width W |       | Length L1 | Length L2 | Length LR | Length LC | Height H   | Thick. T |  |                                   |  |
|                    |       |               |        |                |       |           |           |           |           |            |          |  |                                   |  |
| C2040FS-C          | inch  | 1.000         | 0.312  | 0.313          | 0.156 | 0.32      | 0.41      | 0.65      | 0.73      | 0.475      | 0.060    | 3,530                                    | 595                               | 0.34                                   |
|                    | mm    | 25.40         | 7.92   | 7.95           | 3.96  | 8.2       | 10.3      | 16.4      | 18.5      | 12.06      | 1.5      | 1,605                                    | 270                               | 0.50                                   |
| C2050FS-C          | inch  | 1.250         | 0.400  | 0.375          | 0.200 | 0.40      | 0.49      | 0.80      | 0.89      | 0.594      | 0.080    | 5,730                                    | 970                               | 0.54                                   |
|                    | mm    | 31.75         | 10.16  | 9.53           | 5.08  | 10.2      | 12.4      | 20.3      | 22.6      | 15.1       | 2.0      | 2,605                                    | 441                               | 0.80                                   |
| C2060HFS-C         | inch  | 1.500         | 0.469  | 0.500          | 0.234 | 0.57      | 0.67      | 1.13      | 1.23      | 0.712      | 0.125    | 8,390                                    | 1,410                             | 0.94                                   |
|                    | mm    | 38.10         | 11.91  | 12.70          | 5.95  | 14.4      | 16.9      | 28.8      | 31.3      | 18.1       | 3.2      | 3,815                                    | 641                               | 1.40                                   |
| C2080HFS-C         | inch  | 2.000         | 0.625  | 0.625          | 0.312 | 0.71      | 0.89      | 1.43      | 1.60      | 0.950      | 0.156    | 14,320                                   | 2,410                             | 1.61                                   |
|                    | mm    | 50.80         | 15.88  | 15.88          | 7.93  | 18.2      | 22.6      | 36.3      | 40.7      | 24.1       | 4.0      | 6,510                                    | 1,095                             | 2.40                                   |

## Chain Dimensions - Larger Roller

|            |      |       |       |       |       |      |      |      |      |       |       |        |       |      |
|------------|------|-------|-------|-------|-------|------|------|------|------|-------|-------|--------|-------|------|
| C2042FS-C  | inch | 1.000 | 0.625 | 0.313 | 0.156 | 0.32 | 0.41 | 0.65 | 0.73 | 0.475 | 0.060 | 3,530  | 595   | 0.67 |
|            | mm   | 25.40 | 15.88 | 7.95  | 3.96  | 8.2  | 10.3 | 16.4 | 18.5 | 12.06 | 1.5   | 1,605  | 270   | 1.00 |
| C2052FS-C  | inch | 1.250 | 0.750 | 0.375 | 0.200 | 0.40 | 0.49 | 0.80 | 0.89 | 0.594 | 0.080 | 5,730  | 970   | 1.07 |
|            | mm   | 31.75 | 19.05 | 9.53  | 5.08  | 10.2 | 12.4 | 20.3 | 22.6 | 15.1  | 2.0   | 2,605  | 441   | 1.60 |
| C2062HFS-C | inch | 1.500 | 0.875 | 0.500 | 0.234 | 0.57 | 0.67 | 1.13 | 1.23 | 0.712 | 0.125 | 8,390  | 1,410 | 1.88 |
|            | mm   | 38.10 | 22.23 | 12.70 | 5.95  | 14.4 | 16.9 | 28.8 | 31.3 | 18.1  | 3.2   | 3,815  | 641   | 2.80 |
| C2082HFS-C | inch | 2.000 | 1.125 | 0.625 | 0.312 | 0.71 | 0.89 | 1.43 | 1.60 | 0.950 | 0.156 | 14,320 | 2,410 | 3.08 |
|            | mm   | 50.80 | 28.58 | 15.88 | 7.93  | 18.2 | 22.6 | 36.3 | 40.7 | 24.1  | 4.0   | 6,510  | 1,095 | 4.6  |

## ASME/ANSI Standard O-Ring Type Roller Chain

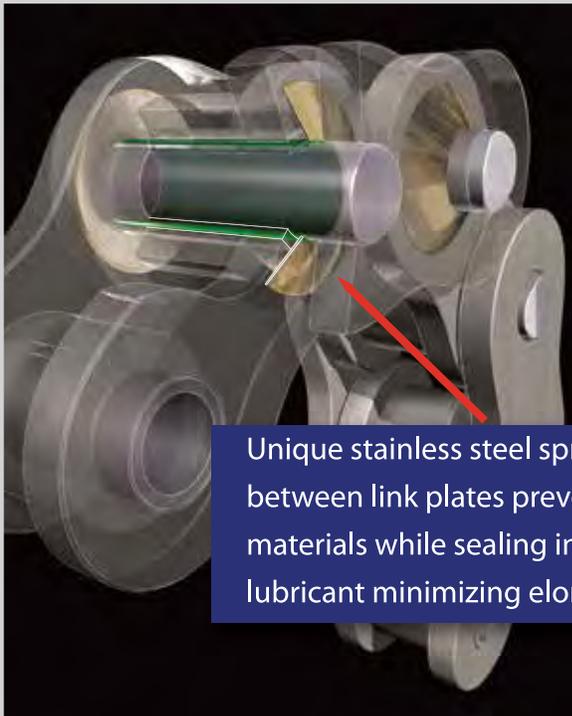


### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              | Pin   |        |      | Side Plate |        | Maximum Chain Speed<br>ft/min<br>m/min | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|------------|--------|--|--|--|
|                    |       |                  | Dia.   | Inside Width | Dia   | Length |      | Height     | Thick. |  |  |  |
|                    |       |                  | R      | W            | D     | L1     | L2   | H          | T      |  |  |  |
| 40 O-Ring          | inch  | 0.500            | 0.312  | 0.313        | 0.156 | 0.36   | 0.41 | 0.476      | 0.060  | 1,300                                  | 4,180                                    | 0.67                                   |
|                    | mm    | 12.70            | 7.92   | 7.95         | 3.96  | 9.1    | 10.5 | 12.1       | 1.5    | 395                                    | 1,900                                    | 1.00                                   |
| 50 O-Ring          | inch  | 0.625            | 0.400  | 0.375        | 0.200 | 0.46   | 0.48 | 0.594      | 0.080  | 1,000                                  | 6,930                                    | 1.08                                   |
|                    | mm    | 15.875           | 10.16  | 9.53         | 5.08  | 11.6   | 12.1 | 15.1       | 2.0    | 305                                    | 3,150                                    | 1.61                                   |
| 60 O-Ring          | inch  | 0.750            | 0.469  | 0.500        | 0.234 | 0.55   | 0.59 | 0.713      | 0.094  | 850                                    | 10,340                                   | 1.61                                   |
|                    | mm    | 19.05            | 11.91  | 12.70        | 5.95  | 13.9   | 14.9 | 18.1       | 2.4    | 260                                    | 4,700                                    | 2.40                                   |
| 80 O-Ring          | inch  | 1.000            | 0.625  | 0.625        | 0.312 | 0.69   | 0.77 | 0.949      | 0.125  | 650                                    | 17,930                                   | 2.76                                   |
|                    | mm    | 25.4             | 15.88  | 15.88        | 7.93  | 17.6   | 19.5 | 24.1       | 3.2    | 200                                    | 8,150                                    | 4.12                                   |

## Maintenance Free Operation now possible for Heavy Duty Roller Chain Drives

Newly developed, patent pending; SEAL GUARD™ Roller Chains from SENQCIA extend the benefits of maintenance free operation to larger pitch heavy duty roller chain drives.



Unique stainless steel spring type contact seals fitted between link plates prevent penetration of abrasive materials while sealing in high quality bearing lubricant minimizing elongation due to chain wear

Construction, mining, shot blast equipment, as well as a broad range of heavy duty roller chain applications can now utilize large pitch roller chain - Sizes 60 (3/4" pitch) thru 240 (3" pitch) and enjoy the significant benefits of maintenance free operation. The unique stainless steel contact seals, installed between the link plates, retains a high quality bearing grease inside the chain joint, keeping out damaging abrasives such as grit and other debris that decrease chain life.

These chains never require continuous lubrication, possess the same strength and working load capability as standard duty roller chain and will operate over a wider range of temperatures and speeds. Stainless steel seals are more durable than conventional O-Rings and the lubrication benefits of the internal bearing grease offer superior lubrication over other similar types of maintenance free chains.

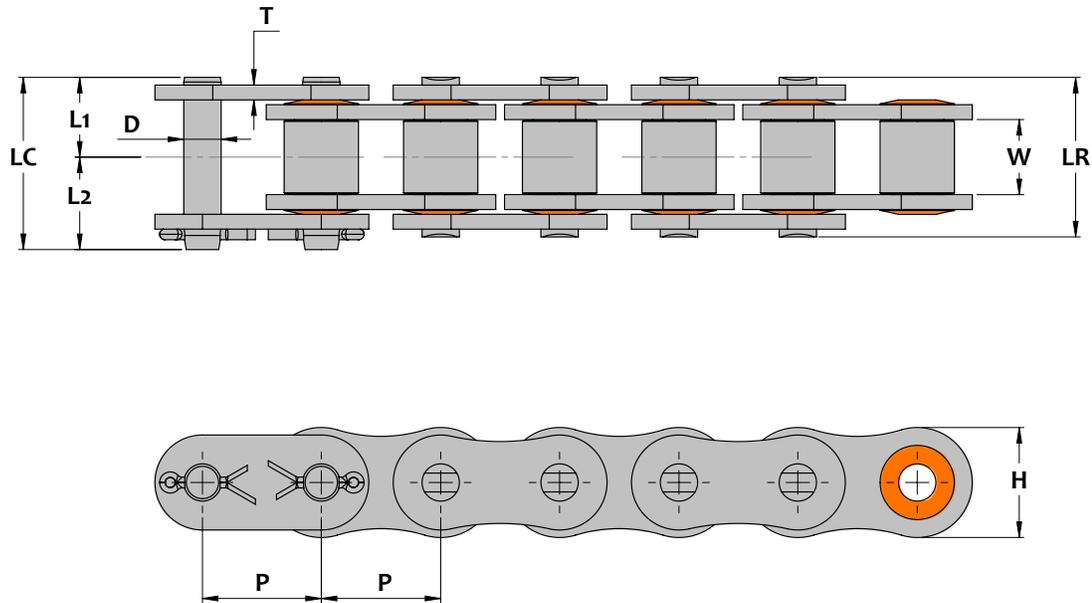


SEAL GUARD™ Roller Chains are available with a variety of corrosion resistant coatings. Our unique Inspire Series™ stainless steel blast coating is standard finish, optional black oxide or our Perfect Coat Plus® surface treatments offer significant added protection against external chain corrosion.



# ASME/ANSI Standard Seal Guard® Roller Chain

Note: Maximum adjustable operating speed of 160 FPM

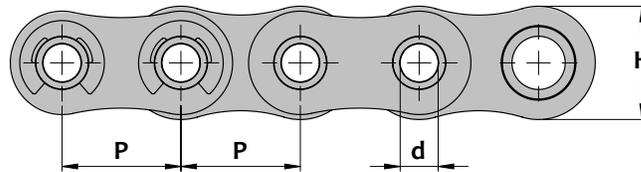
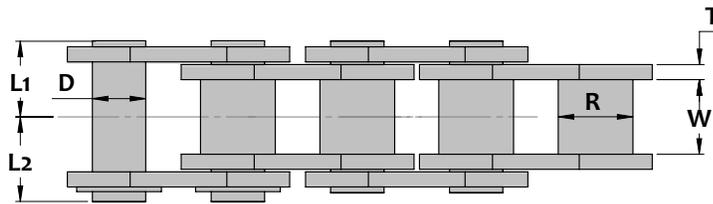
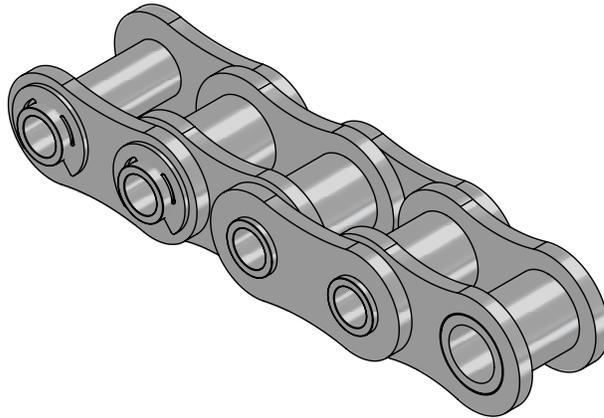


## Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              | Pin   |        |      |       |       | Side Plate |        | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|-------|-------|------------|--------|--|-----------------------------------|--|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |      |       |       | Height     | Thick. |  |                                   |  |
|                    |       |                  | R      | W            | D     | L1     | L2   | LR    | LC    | H          | T      |  |                                   |  |
| 80SG               | inch  | 1.000            | 0.625  | 0.625        | 0.312 | 0.69   | 0.79 | 1.37  | 1.48  | 0.949      | 0.126  | 17,650                                   | 4,140                             | 1.74                                   |
|                    | mm    | 25.40            | 15.88  | 15.88        | 7.92  | 17.4   | 20.1 | 34.8  | 37.5  | 24.1       | 3.2    | 8,025                                    | 1,880                             | 2.60                                   |
| 100SG              | inch  | 1.250            | 0.750  | 0.750        | 0.375 | 0.82   | 0.96 | 1.64  | 1.78  | 1.185      | 0.157  | 26,500                                   | 6,360                             | 2.62                                   |
|                    | mm    | 31.75            | 19.05  | 19.05        | 9.53  | 20.8   | 24.4 | 41.6  | 45.2  | 30.1       | 4.0    | 12,045                                   | 2,890                             | 3.90                                   |
| 120SG              | inch  | 1.500            | 0.875  | 1.000        | 0.437 | 1.02   | 1.17 | 2.04  | 2.19  | 1.425      | 0.188  | 39,000                                   | 8,540                             | 3.89                                   |
|                    | mm    | 38.10            | 22.23  | 25.40        | 11.10 | 25.9   | 29.8 | 51.8  | 55.7  | 36.2       | 4.8    | 17,725                                   | 3,880                             | 5.80                                   |
| 140SG              | inch  | 1.750            | 1.000  | 1.000        | 0.500 | 1.11   | 1.28 | 2.21  | 2.38  | 1.661      | 0.220  | 48,600                                   | 11,310                            | 5.03                                   |
|                    | mm    | 44.45            | 25.40  | 25.40        | 12.70 | 28.1   | 32.4 | 56.2  | 60.5  | 42.2       | 5.6    | 22,090                                   | 5,140                             | 7.50                                   |
| 160SG              | inch  | 2.000            | 1.125  | 1.250        | 0.562 | 1.31   | 1.48 | 2.62  | 2.80  | 1.898      | 0.250  | 63,000                                   | 14,910                            | 6.57                                   |
|                    | mm    | 50.80            | 28.58  | 31.75        | 14.27 | 33.3   | 37.7 | 66.6  | 71.0  | 48.2       | 6.4    | 28,635                                   | 6,775                             | 9.80                                   |
| 180SG              | inch  | 2.250            | 1.406  | 1.406        | 0.687 | 1.52   | 1.71 | 3.04  | 3.23  | 2.067      | 0.283  | 81,500                                   | 15,870                            | 9.10                                   |
|                    | mm    | 57.15            | 35.7   | 35.7         | 17.45 | 38.6   | 43.4 | 77.2  | 82.0  | 52.5       | 7.2    | 37,045                                   | 7,215                             | 13.57                                  |
| 200SG              | inch  | 2.500            | 1.562  | 1.500        | 0.781 | 1.61   | 1.95 | 3.23  | 3.56  | 2.374      | 0.315  | 105,000                                  | 18,500                            | 11.33                                  |
|                    | mm    | 63.50            | 39.67  | 38.10        | 19.84 | 41.0   | 49.5 | 82.0  | 90.5  | 60.3       | 8.0    | 47,725                                   | 8,410                             | 16.90                                  |
| 240SG              | inch  | 3.000            | 1.875  | 1.875        | 0.936 | 1.97   | 2.27 | 3.94  | 4.24  | 2.850      | 0.374  | 152,200                                  | 25,360                            | 15.83                                  |
|                    | mm    | 76.20            | 47.63  | 47.63        | 23.78 | 50.0   | 57.7 | 100.0 | 107.7 | 72.4       | 9.5    | 69,180                                   | 11,525                            | 23.60                                  |

## ASME/ANSI Standard Carbon Steel Hollow Pin Chain

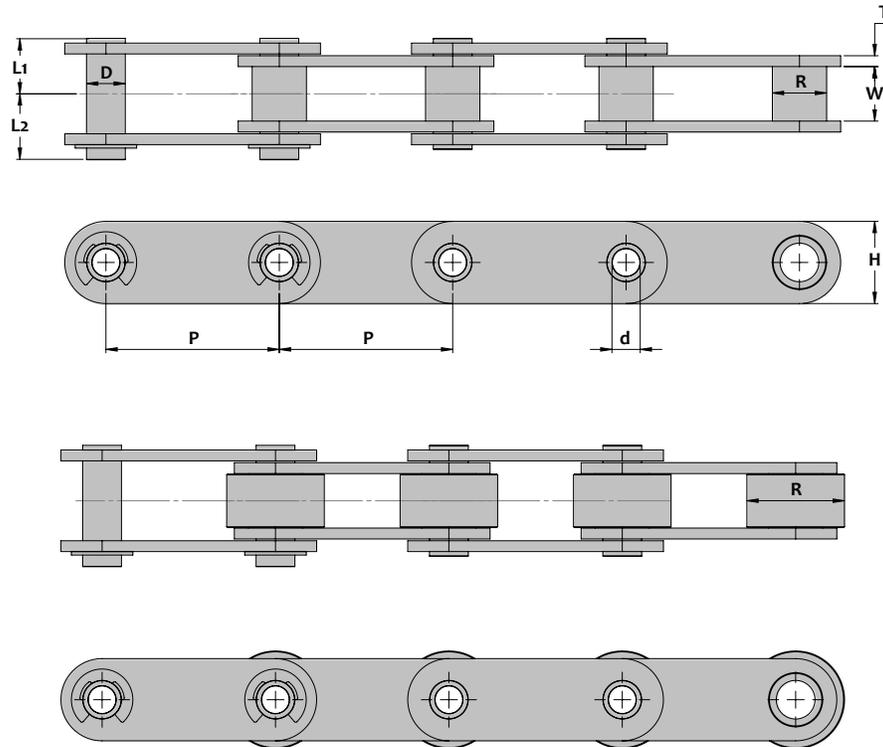
ASME/ANSI Hollow Pin chains offer versatility in conveyor design by allowing for the insertion of through rods or other attachments through the hollow pins. Our solid cold forged solid (i.e. seamless) hollow pins provide for superior wear performance. These chains are also available in Nickel Plate or Perfect Coat Plus® if corrosion resistance is required.



### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Bushing |              | Pin      |       |        |      | Side Plate |        | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|---------|--------------|----------|-------|--------|------|------------|--------|--|-----------------------------------|--|
|                    |       |                  | Dia.    | Inside Width | Diameter |       | Length |      | Height     | Thick. |  |                                   |  |
|                    |       |                  | R       | W            | D        | d     | L1     | L2   | H          | T      |  |                                   |  |
| 40HP               | inch  | 0.500            | 0.312   | 0.313        | 0.222    | 0.159 | 0.33   | 0.36 | 0.472      | 0.060  | 2,860                                    | 400                               | 0.39                                   |
|                    | mm    | 12.70            | 7.92    | 7.95         | 5.63     | 4.03  | 8.4    | 9.2  | 12.0       | 1.5    | 1,300                                    | 182                               | 0.58                                   |
| 50HP               | inch  | 0.625            | 0.400   | 0.375        | 0.279    | 0.202 | 0.40   | 0.44 | 0.591      | 0.080  | 4,410                                    | 705                               | 0.67                                   |
|                    | mm    | 15.875           | 10.16   | 9.53         | 7.09     | 5.13  | 10.1   | 11.2 | 15.0       | 2.0    | 2,005                                    | 320                               | 0.97                                   |
| 60HP               | inch  | 0.750            | 0.469   | 0.500        | 0.326    | 0.238 | 0.51   | 0.56 | 0.713      | 0.094  | 6,390                                    | 950                               | 0.98                                   |
|                    | mm    | 19.05            | 11.91   | 12.70        | 8.29     | 6.04  | 13.0   | 14.2 | 18.1       | 2.4    | 2,905                                    | 432                               | 1.46                                   |
| 80HP               | inch  | 1.000            | 0.625   | 0.625        | 0.446    | 0.318 | 0.64   | 0.71 | 0.949      | 0.126  | 11,470                                   | 1,720                             | 1.66                                   |
|                    | mm    | 25.4             | 15.88   | 15.88        | 11.34    | 8.08  | 16.2   | 18.1 | 24.1       | 3.2    | 5,215                                    | 782                               | 2.47                                   |

## ASME/ANSI Double Pitch Carbon Steel Hollow Pin Chain



### Chain Dimensions - Standard Roller

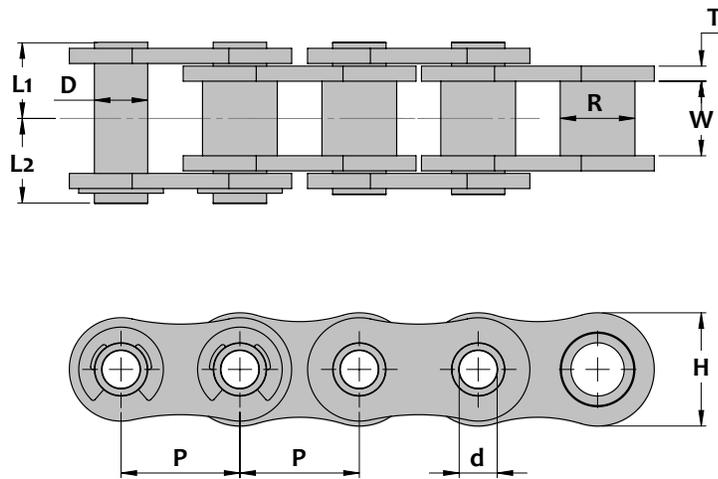
| MAXCO Chain Number | Units | Chain Pitch<br>P | Bushing/Roller |              | Pin      |       |        |      | Side Plate |        | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|----------------|--------------|----------|-------|--------|------|------------|--------|--|-----------------------------------|--|
|                    |       |                  | Dia            | Inside Width | Diameter |       | Length |      | Height     | Thick. |  |                                   |  |
|                    |       |                  | R              | W            | D        | d     | L1     | L2   | H          | T      |  |                                   |  |
| C2040HP            | inch  | 1.000            | 0.312          | 0.313        | 0.222    | 0.159 | 0.33   | 0.36 | 0.472      | 0.060  | 2,860                                    | 400                               | 0.31                                   |
|                    | mm    | 25.40            | 7.92           | 7.95         | 5.63     | 4.03  | 8.4    | 9.2  | 12.0       | 1.5    | 1,300                                    | 182                               | 0.46                                   |
| C2050HP            | inch  | 1.250            | 0.400          | 0.375        | 0.279    | 0.202 | 0.40   | 0.44 | 0.591      | 0.080  | 4,410                                    | 705                               | 0.51                                   |
|                    | mm    | 31.75            | 10.16          | 9.53         | 7.09     | 5.13  | 10.1   | 11.2 | 15.0       | 2.0    | 2,005                                    | 320                               | 0.76                                   |
| C2060HP            | inch  | 1.500            | 0.469          | 0.500        | 0.326    | 0.238 | 0.51   | 0.56 | 0.713      | 0.094  | 6,390                                    | 950                               | 0.75                                   |
|                    | mm    | 38.10            | 11.91          | 12.70        | 8.29     | 6.04  | 13.0   | 14.2 | 18.1       | 2.4    | 2,905                                    | 432                               | 1.12                                   |
| C2080HP            | inch  | 2.000            | 0.625          | 0.625        | 0.446    | 0.318 | 0.64   | 0.71 | 0.949      | 0.126  | 11,470                                   | 1,720                             | 1.33                                   |
|                    | mm    | 50.80            | 15.88          | 15.88        | 11.34    | 8.08  | 16.2   | 18.1 | 24.1       | 3.2    | 5,215                                    | 782                               | 1.98                                   |

### Chain Dimensions - Large Roller

|         |      |       |       |       |       |       |      |      |       |       |        |       |      |
|---------|------|-------|-------|-------|-------|-------|------|------|-------|-------|--------|-------|------|
| C2042HP | inch | 1.000 | 0.625 | 0.313 | 0.222 | 0.159 | 0.33 | 0.36 | 0.472 | 0.060 | 2,860  | 400   | 0.54 |
|         | mm   | 25.40 | 15.88 | 7.95  | 5.63  | 4.03  | 8.4  | 9.2  | 12.0  | 1.5   | 1,300  | 182   | 0.81 |
| C2052HP | inch | 1.250 | 0.750 | 0.375 | 0.279 | 0.202 | 0.40 | 0.44 | 0.591 | 0.080 | 4,410  | 705   | 0.84 |
|         | mm   | 31.75 | 19.05 | 9.53  | 7.09  | 5.13  | 10.1 | 11.2 | 15.0  | 2.0   | 2,005  | 320   | 1.25 |
| C2062HP | inch | 1.500 | 0.875 | 0.500 | 0.326 | 0.238 | 0.51 | 0.56 | 0.713 | 0.094 | 6,390  | 950   | 1.20 |
|         | mm   | 38.10 | 22.23 | 12.70 | 8.29  | 6.04  | 13.0 | 14.2 | 18.1  | 2.4   | 2,905  | 432   | 1.79 |
| C2082HP | inch | 2.000 | 1.125 | 0.625 | 0.446 | 0.318 | 0.64 | 0.71 | 0.949 | 0.126 | 11,470 | 1,720 | 2.13 |
|         | mm   | 50.80 | 28.58 | 15.88 | 11.34 | 8.08  | 16.2 | 18.1 | 24.1  | 3.2   | 5,215  | 782   | 3.17 |

## ASME/ANSI Standard Stainless Steel Hollow Pin Chain

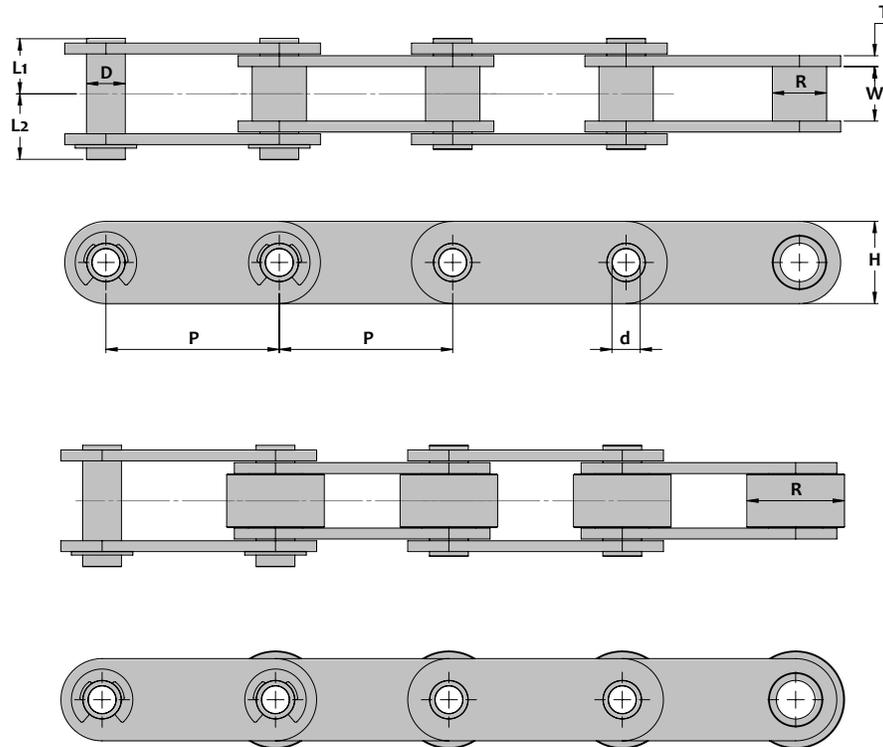
ASME/ANSI Hollow Pin chains are made from AISI Type 304 stainless steel for excellent corrosion and temperature resistance. These chains are often found in many food processing applications.



### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Bushing   |                   | Pin      |       |        |             | Side Plate  |       | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-----------|-------------------|----------|-------|--------|-------------|-------------|-------|--|-----------------------------------|--|
|                    |       |                  | Dia.<br>R | Inside Width<br>W | Diameter |       | Length | Height<br>H | Thick.<br>T |       |  |                                   |  |
|                    |       |                  |           |                   | D        | d     |        |             |             | L1    |  |                                   |  |
| 40SSHP             | inch  | 0.500            | 0.312     | 0.313             | 0.222    | 0.159 | 0.33   | 0.36        | 0.472       | 0.060 | 1,720                                    | 100                               | 0.39                                   |
|                    | mm    | 12.70            | 7.92      | 7.95              | 5.63     | 4.03  | 8.4    | 9.2         | 12.0        | 1.5   | 782                                      | 45                                | 0.58                                   |
| 50SSHP             | inch  | 0.625            | 0.400     | 0.375             | 0.279    | 0.202 | 0.40   | 0.44        | 0.591       | 0.080 | 2,650                                    | 155                               | 0.67                                   |
|                    | mm    | 15.875           | 10.16     | 9.53              | 7.09     | 5.13  | 10.1   | 11.2        | 15.0        | 2.0   | 1,205                                    | 70                                | 0.97                                   |
| 60SSHP             | inch  | 0.750            | 0.469     | 0.500             | 0.326    | 0.238 | 0.51   | 0.56        | 0.713       | 0.094 | 3,840                                    | 230                               | 0.98                                   |
|                    | mm    | 19.05            | 11.91     | 12.70             | 8.29     | 6.04  | 13.0   | 14.2        | 18.1        | 2.4   | 1,745                                    | 105                               | 1.46                                   |
| 80SSHP             | inch  | 1.000            | 0.625     | 0.625             | 0.446    | 0.318 | 0.64   | 0.71        | 0.949       | 0.126 | 6,970                                    | 400                               | 1.66                                   |
|                    | mm    | 25.4             | 15.88     | 15.88             | 11.34    | 8.08  | 16.2   | 18.1        | 24.1        | 3.2   | 3,170                                    | 182                               | 2.47                                   |

## ASME/ANSI Double Pitch Stainless Steel Hollow Pin Chain



### Chain Dimensions - Standard Roller

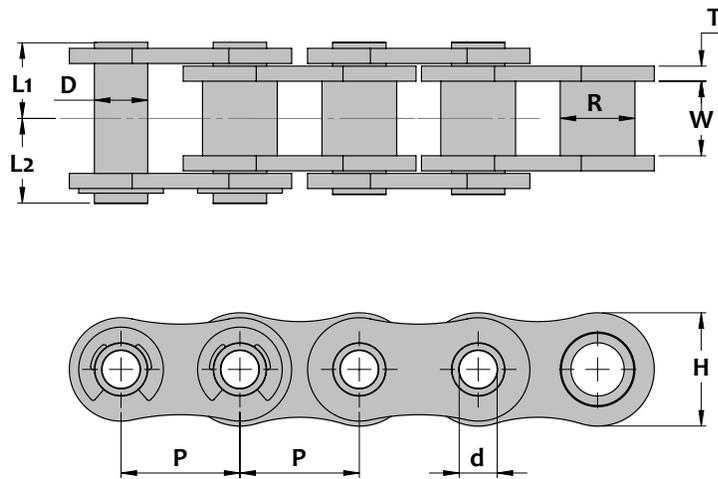
| MAXCO Chain Number | Units | Chain Pitch<br>P | Bushing/Roller |                   | Pin      |       |        |             | Side Plate  |       | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|----------------|-------------------|----------|-------|--------|-------------|-------------|-------|--|-----------------------------------|--|
|                    |       |                  | Dia<br>R       | Inside Width<br>W | Diameter |       | Length | Height<br>H | Thick.<br>T |       |  |                                   |  |
|                    |       |                  |                |                   | D        | d     |        |             |             | L1    |  |                                   |  |
| C2040SSHP          | inch  | 1.000            | 0.312          | 0.313             | 0.222    | 0.159 | 0.33   | 0.36        | 0.472       | 0.060 | 1,720                                    | 100                               | 0.31                                   |
|                    | mm    | 25.40            | 7.92           | 7.95              | 5.63     | 4.03  | 8.4    | 9.2         | 12.0        | 1.5   | 782                                      | 45                                | 0.46                                   |
| C2050SSHP          | inch  | 1.250            | 0.400          | 0.375             | 0.279    | 0.202 | 0.40   | 0.44        | 0.591       | 0.080 | 2,650                                    | 155                               | 0.51                                   |
|                    | mm    | 31.75            | 10.16          | 9.53              | 7.09     | 5.13  | 10.1   | 11.2        | 15.0        | 2.0   | 1,205                                    | 70                                | 0.76                                   |
| C2060SSHP          | inch  | 1.500            | 0.469          | 0.500             | 0.326    | 0.238 | 0.51   | 0.56        | 0.713       | 0.094 | 3,840                                    | 230                               | 0.75                                   |
|                    | mm    | 38.10            | 11.91          | 12.70             | 8.29     | 6.04  | 13.0   | 14.2        | 18.1        | 2.4   | 1,745                                    | 105                               | 1.12                                   |
| C2080SSHP          | inch  | 2.000            | 0.625          | 0.625             | 0.446    | 0.318 | 0.64   | 0.71        | 0.949       | 0.126 | 6,970                                    | 400                               | 1.33                                   |
|                    | mm    | 50.80            | 15.88          | 15.88             | 11.34    | 8.08  | 16.2   | 18.1        | 24.1        | 3.2   | 3,170                                    | 182                               | 1.98                                   |

### Chain Dimensions - Large Roller

|           |      |       |       |       |       |       |      |      |       |       |       |     |      |
|-----------|------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-----|------|
| C2042SSHP | inch | 1.000 | 0.625 | 0.313 | 0.222 | 0.159 | 0.33 | 0.36 | 0.472 | 0.060 | 1,720 | 100 | 0.54 |
|           | mm   | 25.40 | 15.88 | 7.95  | 5.63  | 4.03  | 8.4  | 9.2  | 12.0  | 1.5   | 782   | 45  | 0.81 |
| C2052SSHP | inch | 1.250 | 0.750 | 0.375 | 0.279 | 0.202 | 0.40 | 0.44 | 0.591 | 0.080 | 2,650 | 155 | 0.84 |
|           | mm   | 31.75 | 19.05 | 9.53  | 7.09  | 5.13  | 10.1 | 11.2 | 15.0  | 2.0   | 1,205 | 70  | 1.25 |
| C2062SSHP | inch | 1.500 | 0.875 | 0.500 | 0.326 | 0.238 | 0.51 | 0.56 | 0.713 | 0.094 | 3,840 | 230 | 1.20 |
|           | mm   | 38.10 | 22.23 | 12.70 | 8.29  | 6.04  | 13.0 | 14.2 | 18.1  | 2.4   | 1,745 | 105 | 1.79 |
| C2082SSHP | inch | 2.000 | 1.125 | 0.625 | 0.446 | 0.318 | 0.64 | 0.71 | 0.949 | 0.126 | 6,970 | 400 | 2.13 |
|           | mm   | 50.80 | 28.58 | 15.88 | 11.34 | 8.08  | 16.2 | 18.1 | 24.1  | 3.2   | 3,170 | 182 | 3.17 |

## ASME/ANSI Standard Self-Lube Hollow Pin Chain

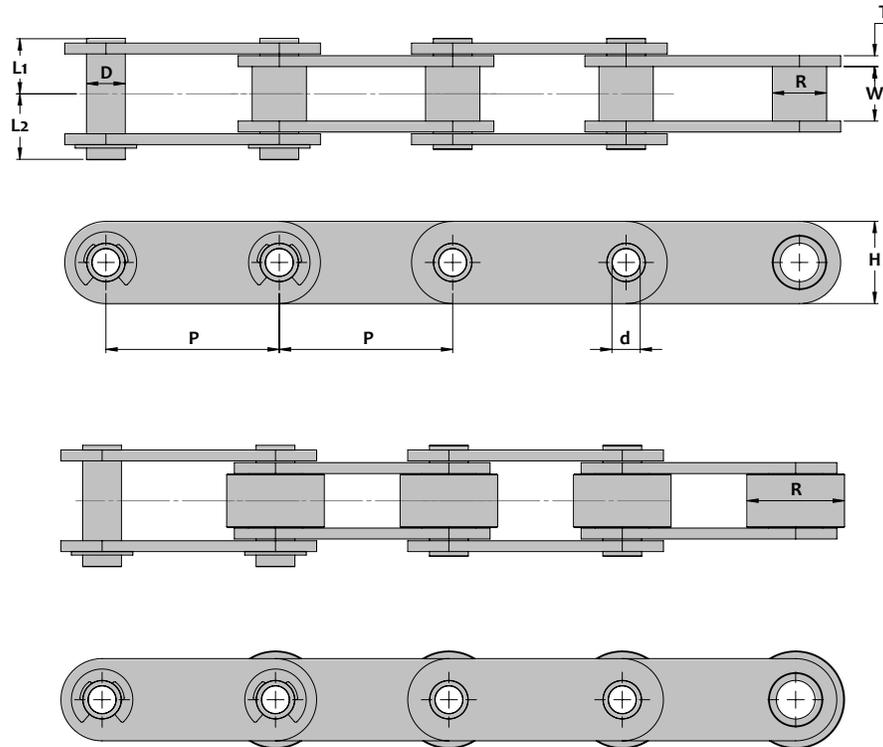
ASME/ANSI Hollow Pin chains are made from AISI Type 304 stainless steel for excellent corrosion and temperature resistance. These chains are often found in many food processing applications.



### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Bushing |              | Pin      |       |        |      | Side Plate |        | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|---------|--------------|----------|-------|--------|------|------------|--------|--|-----------------------------------|--|
|                    |       |                  | Dia.    | Inside Width | Diameter |       | Length |      | Height     | Thick. |  |                                   |  |
|                    |       |                  | R       | W            | D        | d     | L1     | L2   | H          | T      |  |                                   |  |
| 40SLHP             | inch  | 0.500            | 0.312   | 0.313        | 0.222    | 0.159 | 0.33   | 0.36 | 0.472      | 0.060  | 2,860                                    | 400                               | 0.39                                   |
|                    | mm    | 12.70            | 7.92    | 7.95         | 5.63     | 4.03  | 8.4    | 9.2  | 12.0       | 1.5    | 1,300                                    | 182                               | 0.58                                   |
| 50SLHP             | inch  | 0.625            | 0.400   | 0.375        | 0.279    | 0.202 | 0.40   | 0.44 | 0.591      | 0.080  | 4,410                                    | 705                               | 0.67                                   |
|                    | mm    | 15.875           | 10.16   | 9.53         | 7.09     | 5.13  | 10.1   | 11.2 | 15.0       | 2.0    | 2,005                                    | 320                               | 0.97                                   |
| 60SLHP             | inch  | 0.750            | 0.469   | 0.500        | 0.326    | 0.238 | 0.51   | 0.56 | 0.713      | 0.094  | 6,390                                    | 950                               | 0.98                                   |
|                    | mm    | 19.05            | 11.91   | 12.70        | 8.29     | 6.04  | 13.0   | 14.2 | 18.1       | 2.4    | 2,905                                    | 432                               | 1.46                                   |
| 80SLHP             | inch  | 1.000            | 0.625   | 0.625        | 0.446    | 0.318 | 0.64   | 0.71 | 0.949      | 0.126  | 11,470                                   | 1,720                             | 1.66                                   |
|                    | mm    | 25.4             | 15.88   | 15.88        | 11.34    | 8.08  | 16.2   | 18.1 | 24.1       | 3.2    | 5,215                                    | 782                               | 2.47                                   |

## ASME/ANSI Double Pitch Self-Lube Hollow Pin Chain



### Chain Dimensions - Standard Roller

| MAXCO Chain Number | Units | Chain Pitch P | Bushing/Roller |              | Pin      |       |        |      | Side Plate |        | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|---------------|----------------|--------------|----------|-------|--------|------|------------|--------|--|-----------------------------------|--|
|                    |       |               | Dia            | Inside Width | Diameter |       | Length |      | Height     | Thick. |  |                                   |  |
|                    |       |               | R              | W            | D        | d     | L1     | L2   | H          | T      |  |                                   |  |
| C2040SLHP          | inch  | 1.000         | 0.312          | 0.313        | 0.222    | 0.159 | 0.33   | 0.36 | 0.472      | 0.060  | 2,860                                    | 400                               | 0.31                                   |
|                    | mm    | 25.40         | 7.92           | 7.95         | 5.63     | 4.03  | 8.4    | 9.2  | 12.0       | 1.5    | 1,300                                    | 182                               | 0.46                                   |
| C2050SLHP          | inch  | 1.250         | 0.400          | 0.375        | 0.279    | 0.202 | 0.40   | 0.44 | 0.591      | 0.080  | 4,410                                    | 705                               | 0.51                                   |
|                    | mm    | 31.75         | 10.16          | 9.53         | 7.09     | 5.13  | 10.1   | 11.2 | 15.0       | 2.0    | 2,005                                    | 320                               | 0.76                                   |
| C2060SLHP          | inch  | 1.500         | 0.469          | 0.500        | 0.326    | 0.238 | 0.51   | 0.56 | 0.713      | 0.094  | 6,390                                    | 950                               | 0.75                                   |
|                    | mm    | 38.10         | 11.91          | 12.70        | 8.29     | 6.04  | 13.0   | 14.2 | 18.1       | 2.4    | 2,905                                    | 432                               | 1.12                                   |
| C2080SLHP          | inch  | 2.000         | 0.625          | 0.625        | 0.446    | 0.318 | 0.64   | 0.71 | 0.949      | 0.126  | 11,470                                   | 1,720                             | 1.33                                   |
|                    | mm    | 50.80         | 15.88          | 15.88        | 11.34    | 8.08  | 16.2   | 18.1 | 24.1       | 3.2    | 5,215                                    | 782                               | 1.98                                   |

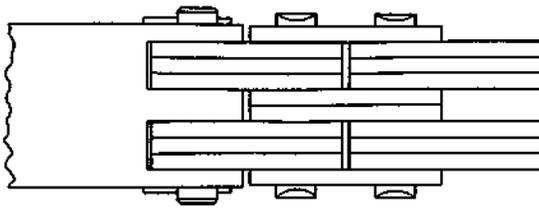
### Chain Dimensions - Large Roller

|           |      |       |       |       |       |       |      |      |       |       |        |       |      |
|-----------|------|-------|-------|-------|-------|-------|------|------|-------|-------|--------|-------|------|
| C2042SLHP | inch | 1.000 | 0.625 | 0.313 | 0.222 | 0.159 | 0.33 | 0.36 | 0.472 | 0.060 | 2,860  | 400   | 0.54 |
|           | mm   | 25.40 | 15.88 | 7.95  | 5.63  | 4.03  | 8.4  | 9.2  | 12.0  | 1.5   | 1,300  | 182   | 0.81 |
| C2052SLHP | inch | 1.250 | 0.750 | 0.375 | 0.279 | 0.202 | 0.40 | 0.44 | 0.591 | 0.080 | 4,410  | 705   | 0.84 |
|           | mm   | 31.75 | 19.05 | 9.53  | 7.09  | 5.13  | 10.1 | 11.2 | 15.0  | 2.0   | 2,005  | 320   | 1.25 |
| C2062SLHP | inch | 1.500 | 0.875 | 0.500 | 0.326 | 0.238 | 0.51 | 0.56 | 0.713 | 0.094 | 6,390  | 950   | 1.20 |
|           | mm   | 38.10 | 22.23 | 12.70 | 8.29  | 6.04  | 13.0 | 14.2 | 18.1  | 2.4   | 2,905  | 432   | 1.79 |
| C2082SLHP | inch | 2.000 | 1.125 | 0.625 | 0.446 | 0.318 | 0.64 | 0.71 | 0.949 | 0.126 | 11,470 | 1,720 | 2.13 |
|           | mm   | 50.80 | 28.58 | 15.88 | 11.34 | 8.08  | 16.2 | 18.1 | 24.1  | 3.2   | 5,215  | 782   | 3.17 |

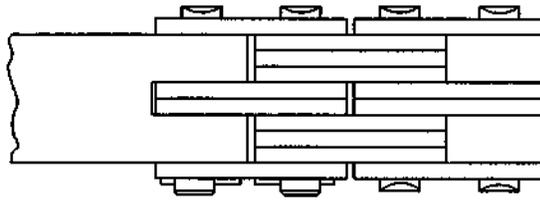
# Leaf Chain - General Information and Selection

Leaf Chains are made for high load, slow speed tension linkage applications. Often they are specified for reciprocating motion lifting devices such as fork lifts or cranes. These chains are typically supplied to a specific length and are connected to a clevis block at each end. The clevis may accommodate male ends (inside or sometimes called “articulating” links) or female ends (outside or the links on the pin link) as required (see illustration below)

Leaf chains are available in three series; AL (light duty), BL (heavy duty), or LL (European standard). For new selections we recommend the BL series in preference to the AL series as the latter has been discontinued as a recognized ASME/ANSI standard series chain. BL series chains are produced in accordance with the ASME/ANSI B29.8 American Leaf Chain Standard. LL series chains are produced in accordance with the ISO 606 international leaf chain standard.



Female Clevis / Chain with Male Ends



Male Clevis / Chain with Female Ends

A chain with an even number of pitches always has a one male and one female end. It is more common to have the chain possess an odd number of pitches in which case the both ends will be either male (most common) or female (less common). When ordering lengths with an odd number of pitches male ends are supplied unless otherwise noted. Clevis pins, usually with cotters at each end, are used to connect male chain ends to female clevis blocks. Chains with female ends are often (but not always) connected to the clevis block with a cottered type connecting link. The connecting link is the female end component in this case.

## Leaf Chain Selection

Use the following formula to verify the selection of leaf chain:

$$\text{Minimum Ultimate Strength} > T \times DF \times SF$$

- T: Calculated Maximum Chain Tension
- DF: Duty Factor
- SF: Service Factor

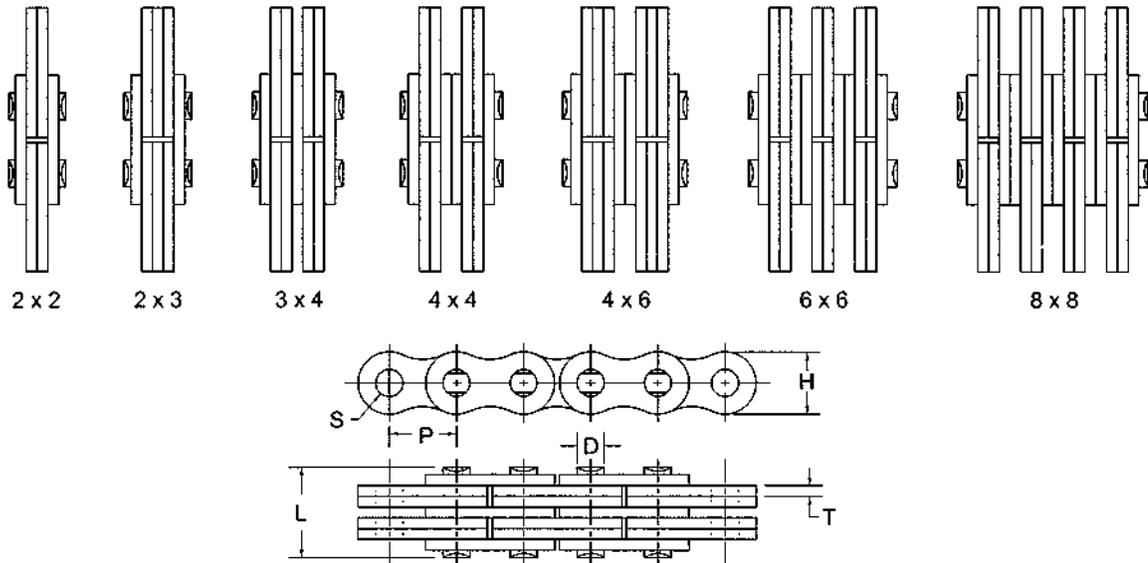
Please see Chain Dimensions tables for the Minimum Ultimate Strength ratings of each chain size. The tables below provide information regarding the duty and service factors. Note that the maximum allowable chain speed for leaf chains is 100ft per minute.



| Impact Loading   | Service Factor (SF) |
|------------------|---------------------|
| Smooth Operation | 1.0                 |
| Moderate Impact  | 1.3                 |
| Severe Impact    | 1.5                 |

| Leaf Chain Series | Maximum cycles per day | Duty Factor (DF) |
|-------------------|------------------------|------------------|
| AL                | 10                     | 9                |
|                   | 100                    | 12               |
| BL or LL          | 1,000                  | 9                |

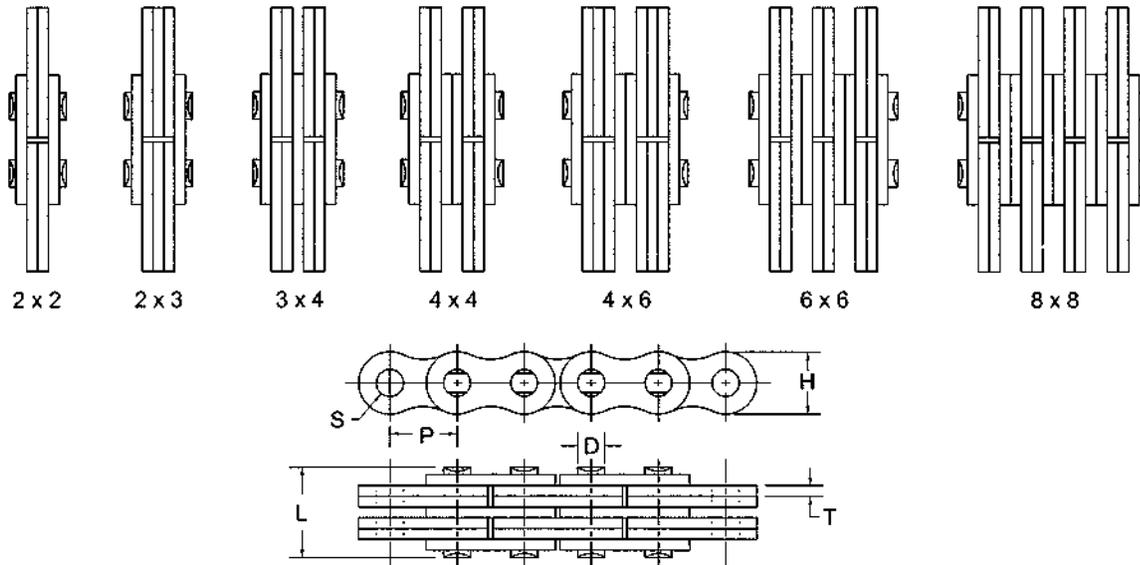
## ASME/ANSI AL Series Leaf Chain



### Chain Dimensions

| MAXCO Chain Number | Units | Lacing | Chain Pitch<br>P | Pin      |              | Side Plate  |             | Hole Dia.<br>S | Minimum Ultimate Strength<br>Lbs<br>Kg-f | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|--------|------------------|----------|--------------|-------------|-------------|----------------|--|--|--|
|                    |       |        |                  | Dia<br>D | Length<br>L1 | Height<br>H | Thick.<br>T |                |  |  |  |
| AL422              | inch  | 2 x 2  | 0.500            | 0.156    | 0.33         | 0.406       | 0.060       | 0.1586         | 3,700                                    | 4,180                                    | 0.24                                   |
|                    | mm    |        |                  | 12.70    | 8.4          | 10.3        | 1.5         |                | 1,680                                    | 1,900                                    | 0.36                                   |
| AL444              | inch  | 4 x 4  |                  |          | 0.57         |             |             |                | 7,500                                    | 8,385                                    | 0.47                                   |
|                    | mm    |        |                  |          | 14.6         |             |             |                | 3,410                                    | 3,810                                    | 0.70                                   |
| AL466              | inch  | 6 x 6  |                  |          | 0.83         |             |             |                | 11,300                                   | 12,570                                   | 0.70                                   |
|                    | mm    |        |                  |          | 21.2         |             |             |                | 5,135                                    | 5,715                                    | 1.04                                   |
| AL522              | inch  | 2 x 2  | 0.625            | 0.200    | 0.41         | 0.500       | 0.080       | 0.2028         | 6,200                                    | 6,835                                    | 0.39                                   |
|                    | mm    |        | 15.875           | 5.08     | 10.5         | 12.7        | 2.0         | 5.15           | 2,820                                    | 3,105                                    | 0.58                                   |
| AL544              | inch  | 4 x 4  |                  |          | 0.75         |             |             |                | 12,300                                   | 13,670                                   | 0.78                                   |
|                    | mm    |        |                  |          | 19.0         |             |             |                | 5,590                                    | 6,215                                    | 1.16                                   |
| AL566              | inch  | 6 x 6  |                  |          | 1.09         |             |             |                | 18,500                                   | 21,150                                   | 1.16                                   |
|                    | mm    |        |                  |          | 27.6         |             |             |                | 8,410                                    | 9,615                                    | 1.73                                   |
| AL622              | inch  | 2 x 2  | 0.750            | 0.234    | 0.49         | 0.598       | 0.094       | 0.2378         | 8,700                                    | 9,690                                    | 0.54                                   |
|                    | mm    |        | 19.05            | 5.95     | 12.4         | 15.2        | 2.4         | 6.04           | 3,955                                    | 4,405                                    | 0.81                                   |
| AL644              | inch  | 4 x 4  |                  |          | 0.87         |             |             |                | 17,400                                   | 19,400                                   | 1.13                                   |
|                    | mm    |        |                  |          | 22.2         |             |             |                | 7,910                                    | 8,820                                    | 1.68                                   |
| AL666              | inch  | 6 x 6  |                  |          | 1.28         |             |             |                | 26,000                                   | 29,000                                   | 1.65                                   |
|                    | mm    |        |                  |          | 32.6         |             |             |                | 11,820                                   | 13,180                                   | 2.46                                   |
| AL822              | inch  | 2 x 2  | 1.000            | 0.312    | 0.65         | 0.795       | 0.125       | 0.3150         | 14,500                                   | 16,320                                   | 1.42                                   |
|                    | mm    |        | 25.40            | 7.93     | 16.6         | 20.2        | 3.2         | 8.00           | 6,590                                    | 7,420                                    | 0.95                                   |
| AL844              | inch  | 4 x 4  |                  |          | 1.16         |             |             |                | 29,100                                   | 32,600                                   | 1.42                                   |
|                    | mm    |        |                  |          | 29.4         |             |             |                | 13,225                                   | 14,820                                   | 1.93                                   |
| AL866              | inch  | 6 x 6  |                  |          | 1.69         |             |             |                | 43,600                                   | 49,000                                   | 2.88                                   |
|                    | mm    |        |                  |          | 43.0         |             |             |                | 19,820                                   | 22,275                                   | 2.84                                   |

## ASME/ANSI AL Series Leaf Chain



### Chain Dimensions

| MAXCO Chain Number | Units | Lacing | Chain Pitch<br>P | Pin      |              | Side Plate  |             | Hole Dia.<br>S | Minimum Ultimate Strength<br>Lbs<br>Kg-f | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|--------|------------------|----------|--------------|-------------|-------------|----------------|--|--|--|
|                    |       |        |                  | Dia<br>D | Length<br>L1 | Height<br>H | Thick.<br>T |                |  |  |  |
| AL1022             | inch  | 2 x 2  | 1.250            | 0.375    | 0.77         | 0.965       | 0.157       | 0.3775         | 22,000                                   | 24,280                                   | 1.65                                   |
|                    | mm    |        | 31.75            | 9.53     | 19.6         | 24.5        | 4.0         | 9.59           | 10,000                                   | 11,035                                   | 2.46                                   |
| AL1044             | inch  | 4 x 4  |                  |          | 1.43         |             |             |                | 44,100                                   | 48,560                                   | 3.23                                   |
|                    | mm    |        |                  |          | 36.2         |             |             |                | 20,045                                   | 22,075                                   | 4.81                                   |
| AL1066             | inch  | 6 x 6  |                  |          | 2.11         |             |             |                | 66,100                                   | 72,840                                   | 4.85                                   |
|                    | mm    |        |                  |          | 53.5         |             |             |                | 30,045                                   | 33,110                                   | 7.24                                   |
| AL1222             | inch  | 2 x 2  | 1.500            | 0.437    | 0.94         | 1.150       | 0.188       | 0.4417         | 30,900                                   | 34,170                                   | 2.25                                   |
|                    | mm    |        | 38.10            | 11.10    | 24.0         | 29.2        | 4.8         | 11.22          | 14,045                                   | 15,530                                   | 3.35                                   |
| AL1244             | inch  | 4 x 4  |                  |          | 1.72         |             |             |                | 61,700                                   | 68,340                                   | 4.41                                   |
|                    | mm    |        |                  |          | 43.7         |             |             |                | 28,045                                   | 31,065                                   | 6.58                                   |
| AL1266             | inch  | 6 x 6  |                  |          | 2.50         |             |             |                | 92,600                                   | 102,510                                  | 6.58                                   |
|                    | mm    |        |                  |          | 63.4         |             |             |                | 42,090                                   | 46,595                                   | 9.82                                   |
| AL1422             | inch  | 2 x 2  | 1.750            | 0.500    | 1.09         | 1.346       | 0.220       | 0.5047         | 41,900                                   | 46,090                                   | 3.35                                   |
|                    | mm    |        | 44.45            | 12.70    | 27.8         | 34.2        | 5.6         | 12.82          | 19,045                                   | 20,950                                   | 4.99                                   |
| AL1444             | inch  | 4 x 4  |                  |          | 2.02         |             |             |                | 83,800                                   | 92,170                                   | 6.41                                   |
|                    | mm    |        |                  |          | 51.2         |             |             |                | 38,090                                   | 41,895                                   | 9.56                                   |
| AL1466             | inch  | 6 x 6  |                  |          | 2.90         |             |             |                | 125,700                                  | 138,250                                  | 9.48                                   |
|                    | mm    |        |                  |          | 73.6         |             |             |                | 57,135                                   | 62,840                                   | 14.13                                  |
| AL1622             | inch  | 2 x 2  | 2.000            | 0.562    | 1.25         | 1.587       | 0.250       | 0.5697         | 54,000                                   | 60,470                                   | 4.26                                   |
|                    | mm    |        | 50.80            | 14.28    | 31.8         | 40.3        | 6.4         | 14.47          | 24,545                                   | 27,485                                   | 6.35                                   |
| AL1644             | inch  | 4 x 4  |                  |          | 2.30         |             |             |                | 108,000                                  | 121,170                                  | 8.46                                   |
|                    | mm    |        |                  |          | 58.4         |             |             |                | 49,090                                   | 55,075                                   | 12.62                                  |
| AL1666             | inch  | 6 x 6  |                  |          | 3.34         |             |             |                | 162,000                                  | 181,870                                  | 12.65                                  |
|                    | mm    |        |                  |          | 84.8         |             |             |                | 73,635                                   | 82,670                                   | 18.87                                  |

## ASME/ANSI BL Series Leaf Chain

### Chain Dimensions

| MAXCO Chain Number | Units | Lacing | Chain Pitch<br>P | Pin      |              | Side Plate  |             | Hole Dia.<br>S | Minimum Ultimate Strength<br>Lbs<br>Kg-f | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|--------|------------------|----------|--------------|-------------|-------------|----------------|--|--|--|
|                    |       |        |                  | Dia<br>D | Length<br>L1 | Height<br>H | Thick.<br>T |                |  |  |  |
|                    |       |        |                  |          |              |             |             |                |  |  |  |
| BL423              | inch  | 2 x 3  | 0.500            | 0.200    | 0.49         | 0.461       | 0.080       | 0.2028         | 5,500                                    | 6,180                                    | 0.53                                   |
|                    | mm    |        | 12.70            |          |              |             |             |                | 5.08                                     |  | 12.5                                   |
| BL434              | inch  | 3 x 4  |                  |          | 0.66         |             |             |                | 8,400                                    | 9,150                                    | 0.72                                   |
|                    | mm    |        |                  |          | 16.8         |             |             |                | 3,820                                    |  | 4,160                                  |
| BL444              | inch  | 4 x 4  |                  |          | 0.75         |             |             |                | 11,000                                   | 12,230                                   | 0.82                                   |
|                    | mm    |        |                  |          | 19.0         |             |             |                | 5,000                                    |  | 5,560                                  |
| BL446              | inch  | 4 x 6  |                  |          | 0.91         |             |             |                | 11,000                                   | 12,230                                   | 1.06                                   |
|                    | mm    |        |                  |          | 23.0         |             |             |                | 5,000                                    |  | 5,560                                  |
| BL466              | inch  | 6 x 6  |                  |          | 1.08         |             |             |                | 16,500                                   | 18,550                                   | 1.27                                   |
|                    | mm    |        |                  |          | 27.5         |             |             |                | 7,500                                    |  | 8,430                                  |
| BL523              | inch  | 2 x 3  | 0.625            | 0.234    | 0.59         | 0.575       | 0.094       | 0.2378         | 8,800                                    | 9,600                                    | 0.80                                   |
|                    | mm    |        | 15.875           |          |              |             |             |                | 5.95                                     |  | 15.0                                   |
| BL534              | inch  | 3 x 4  |                  |          | 0.79         |             |             |                | 13,200                                   | 14,390                                   | 1.08                                   |
|                    | mm    |        |                  |          | 20.0         |             |             |                | 6,000                                    |  | 6,540                                  |
| BL544              | inch  | 4 x 4  |                  |          | 0.87         |             |             |                | 17,600                                   | 19,180                                   | 1.21                                   |
|                    | mm    |        |                  |          | 22.2         |             |             |                | 8,000                                    |  | 8,720                                  |
| BL546              | inch  | 4 x 6  |                  |          | 1.09         |             |             |                | 17,600                                   | 19,180                                   | 1.52                                   |
|                    | mm    |        |                  |          | 27.6         |             |             |                | 8,000                                    |  | 8,720                                  |
| BL566              | inch  | 6 x 6  |                  |          | 1.28         |             |             |                | 25,800                                   | 28,550                                   | 1.78                                   |
|                    | mm    |        |                  |          | 32.4         |             |             |                | 11,725                                   |  | 12,975                                 |
| BL623              | inch  | 2 x 3  | 0.750            | 0.312    | 0.77         | 0.689       | 0.125       | 0.3150         | 14,300                                   | 15,870                                   | 1.27                                   |
|                    | mm    |        | 19.05            |          |              |             |             |                | 7.93                                     |  | 19.5                                   |
| BL634              | inch  | 3 x 4  |                  |          | 1.03         |             |             |                | 21,500                                   | 23,830                                   | 1.80                                   |
|                    | mm    |        |                  |          | 26.2         |             |             |                | 9,775                                    |  | 10,830                                 |
| BL644              | inch  | 4 x 4  |                  |          | 1.15         |             |             |                | 28,700                                   | 31,700                                   | 2.04                                   |
|                    | mm    |        |                  |          | 29.2         |             |             |                | 13,045                                   |  | 14,410                                 |
| BL646              | inch  | 4 x 6  |                  |          | 1.44         |             |             |                | 28,700                                   | 31,700                                   | 2.78                                   |
|                    | mm    |        |                  |          | 36.5         |             |             |                | 13,045                                   |  | 14,410                                 |
| BL666              | inch  | 6 x 6  |                  |          | 1.69         |             |             |                | 42,800                                   | 47,660                                   | 3.07                                   |
|                    | mm    |        |                  |          | 43.0         |             |             |                | 19,455                                   |  | 21,665                                 |
| BL823              | inch  | 2 x 3  | 1.000            | 0.375    | 0.94         | 0.949       | 0.157       | 0.3776         | 23,200                                   | 25,630                                   | 2.13                                   |
|                    | mm    |        | 25.40            |          |              |             |             |                | 9.53                                     |  | 23.8                                   |
| BL834              | inch  | 3 x 4  |                  |          | 1.28         |             |             |                | 34,800                                   | 38,670                                   | 2.93                                   |
|                    | mm    |        |                  |          | 32.5         |             |             |                | 15,820                                   |  | 17,575                                 |
| BL844              | inch  | 4 x 4  |                  |          | 1.43         |             |             |                | 46,000                                   | 51,260                                   | 3.32                                   |
|                    | mm    |        |                  |          | 36.2         |             |             |                | 21,045                                   |  | 23,300                                 |
| BL846              | inch  | 4 x 6  |                  |          | 1.77         |             |             |                | 46,000                                   | 51,260                                   | 4.18                                   |
|                    | mm    |        |                  |          | 45.0         |             |             |                | 21,045                                   |  | 23,300                                 |
| BL866              | inch  | 6 x 6  |                  |          | 2.11         |             |             |                | 69,000                                   | 76,890                                   | 4.99                                   |
|                    | mm    |        |                  |          | 53.5         |             |             |                | 31,365                                   |  | 34,950                                 |

# ASME/ANSI BL Series Leaf Chain

## Chain Dimensions

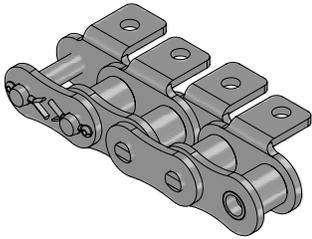
| MAXCO Chain Number | Units | Lacing | Chain Pitch<br>P | Pin      |              | Side Plate  |             | Hole Dia.<br>S | Minimum Ultimate Strength<br>Lbs<br>Kg-f | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|--------|------------------|----------|--------------|-------------|-------------|----------------|--|--|--|
|                    |       |        |                  | Dia<br>D | Length<br>L1 | Height<br>H | Thick.<br>T |                |  |  |  |
|                    |       |        |                  |          |              |             |             |                |  |  |  |
| BL1023             | inch  | 2 x 3  | 1.250            | 0.437    | 1.13         | 1.154       | 0.188       | 0.4409         | 31,700                                   | 35,300                                   | 3.11                                   |
|                    | mm    |        | 31.75            | 11.10    | 28.6         | 29.3        | 4.8         | 11.20          | 14,410                                   | 16,045                                   | 4.64                                   |
| BL1034             | inch  | 3 x 4  |                  |          | 1.52         |             |             |                | 49,600                                   | 55,080                                   | 4.36                                   |
|                    | mm    |        |                  |          | 38.7         |             |             |                | 22545                                    | 25,035                                   | 6.50                                   |
| BL1044             | inch  | 4 x 4  |                  |          | 1.72         |             |             |                | 63,500                                   | 70,590                                   | 4.97                                   |
|                    | mm    |        |                  |          | 43.7         |             |             |                | 28,865                                   | 32,085                                   | 7.41                                   |
| BL1046             | inch  | 4 x 6  |                  |          | 2.10         |             |             |                | 63,500                                   | 70,590                                   | 6.18                                   |
|                    | mm    |        |                  |          | 53.4         |             |             |                | 28,865                                   | 32,085                                   | 9.21                                   |
| BL1066             | inch  | 6 x 6  |                  |          | 2.50         |             |             |                | 95,200                                   | 105,890                                  | 7.42                                   |
|                    | mm    |        |                  |          | 63.4         |             |             |                | 43,275                                   | 48,130                                   | 11.07                                  |
| BL1223             | inch  | 2 x 3  | 1.500            | 0.500    | 1.35         | 1.382       | 0.220       | 0.5047         | 41,900                                   | 46,540                                   | 4.33                                   |
|                    | mm    |        | 38.10            | 12.70    | 34.2         | 35.1        | 5.6         | 12.82          | 16,045                                   | 21,155                                   | 6.46                                   |
| BL1234             | inch  | 3 x 4  |                  |          | 1.79         |             |             |                | 67,200                                   | 74,640                                   | 6.07                                   |
|                    | mm    |        |                  |          | 45.5         |             |             |                | 25,035                                   | 33,925                                   | 9.05                                   |
| BL1244             | inch  | 4 x 4  |                  |          | 2.02         |             |             |                | 83,800                                   | 93,070                                   | 6.89                                   |
|                    | mm    |        |                  |          | 51.2         |             |             |                | 38,090                                   | 42,305                                   | 10.27                                  |
| BL1246             | inch  | 4 x 6  |                  |          | 2.46         |             |             |                | 83,800                                   | 93,070                                   | 7.95                                   |
|                    | mm    |        |                  |          | 62.6         |             |             |                | 38,090                                   | 42,305                                   | 11.86                                  |
| BL1266             | inch  | 6 x 6  |                  |          | 2.90         |             |             |                | 125,400                                  | 139,610                                  | 9.66                                   |
|                    | mm    |        |                  |          | 73.6         |             |             |                | 57,000                                   | 63,460                                   | 14.40                                  |
| BL1423             | inch  | 2 x 3  | 1.750            | 0.562    | 1.53         | 1.610       | 0.250       | 0.5665         | 55,100                                   | 60,700                                   | 5.97                                   |
|                    | mm    |        | 44.45            | 14.28    | 38.8         | 40.9        | 6.4         | 14.39          | 25,045                                   | 27,590                                   | 8.90                                   |
| BL1434             | inch  | 3 x 4  |                  |          | 2.04         |             |             |                | 90,400                                   | 91,050                                   | 7.79                                   |
|                    | mm    |        |                  |          | 51.7         |             |             |                | 41,090                                   | 41,385                                   | 11.61                                  |
| BL1444             | inch  | 4 x 4  |                  |          | 2.30         |             |             |                | 109,100                                  | 121,170                                  | 8.63                                   |
|                    | mm    |        |                  |          | 58.4         |             |             |                | 49,590                                   | 55,075                                   | 12.87                                  |
| BL1446             | inch  | 4 x 6  |                  |          | 2.80         |             |             |                | 109,100                                  | 121,170                                  | 11.98                                  |
|                    | mm    |        |                  |          | 71.2         |             |             |                | 49,590                                   | 55,075                                   | 17.86                                  |
| BL1466             | inch  | 6 x 6  |                  |          | 3.34         |             |             |                | 163,600                                  | 182,100                                  | 14.97                                  |
|                    | mm    |        |                  |          | 84.8         |             |             |                | 74,365                                   | 82,775                                   | 22.33                                  |
| BL1623             | inch  | 2 x 3  | 2.000            | 0.687    | 1.72         | 1.839       | 0.283       | 0.6937         | 79,400                                   | 88,130                                   | 8.10                                   |
|                    | mm    |        | 50.80            | 17.45    | 43.7         | 46.7        | 7.2         | 17.62          | 36,090                                   | 40,060                                   | 12.08                                  |
| BL1634             | inch  | 3 x 4  |                  |          | 2.32         |             |             |                | 124,600                                  | 138,930                                  | 11.30                                  |
|                    | mm    |        |                  |          | 58.9         |             |             |                | 56,635                                   | 63,150                                   | 16.85                                  |
| BL1644             | inch  | 4 x 4  |                  |          | 2.59         |             |             |                | 158,700                                  | 176,480                                  | 12.64                                  |
|                    | mm    |        |                  |          | 65.9         |             |             |                | 72,135                                   | 80,220                                   | 18.85                                  |
| BL1646             | inch  | 4 x 6  |                  |          | 2.59         |             |             |                | 158,700                                  | 176,480                                  | 16.05                                  |
|                    | mm    |        |                  |          | 65.9         |             |             |                | 72,135                                   | 80,220                                   | 23.94                                  |
| BL1666             | inch  | 6 x 6  |                  |          | 3.16         |             |             |                | 238,100                                  | 264,380                                  | 19.14                                  |
|                    | mm    |        |                  |          | 80.2         |             |             |                | 108,225                                  | 120,175                                  | 28.54                                  |

## ISO LL Series Leaf Chain

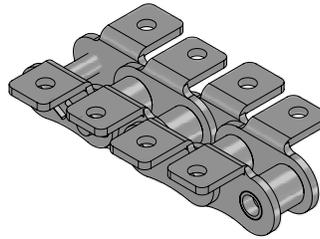
### Chain Dimensions

| MAXCO Chain Number | Units | Lacing | Chain Pitch<br>P | Pin      |              | Side Plate  |             | Hole Dia.<br>S | Minimum Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|--------|------------------|----------|--------------|-------------|-------------|----------------|--|--|
|                    |       |        |                  | Dia<br>D | Length<br>L1 | Height<br>H | Thick.<br>T |                |  |  |
|                    |       |        |                  |          |              |             |             |                |  |  |
| LL0822             | inch  | 2 x 2  | 0.500            | 0.175    | 0.30         | 0.429       | 0.050       | 0.1756         | 4,000                                    | 0.21                                   |
|                    | mm    |        | 12.70            | 4.45     | 7.6          | 10.9        | 1.25        | 4.46           | 1.820                                    | 0.31                                   |
| LL0844             | inch  | 4 x 4  |                  |          | 0.51         |             |             |                | 6,990                                    | 0.40                                   |
|                    | mm    |        |                  |          | 13.0         |             |             |                | 3.175                                    | 0.60                                   |
| LL0866             | inch  | 6 x 6  |                  |          | 0.72         |             |             |                | 10,000                                   | 0.60                                   |
|                    | mm    |        |                  |          | 18.4         |             |             |                | 4.545                                    | 0.89                                   |
| LL1022             | inch  | 2 x 2  | 0.625            | 0.200    | 0.37         | 0.539       | 0.065       | 0.2004         | 4,990                                    | 0.32                                   |
|                    | mm    |        | 15.875           | 5.08     | 9.3          | 13.7        | 1.65        | 5.09           | 2.270                                    | 0.48                                   |
| LL1044             | inch  | 4 x 4  |                  |          | 0.63         |             |             |                | 10,000                                   | 0.63                                   |
|                    | mm    |        |                  |          | 16.1         |             |             |                | 4.545                                    | 0.94                                   |
| LL1066             | inch  | 6 x 6  |                  |          | 0.90         |             |             |                | 15,000                                   | 0.94                                   |
|                    | mm    |        |                  |          | 22.9         |             |             |                | 6.820                                    | 1.40                                   |
| LL1222             | inch  | 2 x 2  | 0.750            | 0.225    | 0.42         | 0.634       | 0.071       | 0.2256         | 6,500                                    | 0.42                                   |
|                    | mm    |        | 19.05            | 5.72     | 10.7         | 16.1        | 1.80        | 5.73           | 2.955                                    | 0.63                                   |
| LL1244             | inch  | 4 x 4  |                  |          | 0.73         |             |             |                | 12,990                                   | 0.82                                   |
|                    | mm    |        |                  |          | 18.5         |             |             |                | 5.905                                    | 1.22                                   |
| LL1266             | inch  | 6 x 6  |                  |          | 1.04         |             |             |                | 19,490                                   | 1.22                                   |
|                    | mm    |        |                  |          | 26.3         |             |             |                | 8.860                                    | 1.82                                   |
| LL1622             | inch  | 2 x 2  | 1.000            | 0.326    | 1.97         | 0.827       | 0.125       | 0.3268         | 13,040                                   | 0.99                                   |
|                    | mm    |        | 25.40            | 8.28     | 50.1         | 21.0        | 3.20        | 8.30           | 5.925                                    | 1.48                                   |
| LL1644             | inch  | 4 x 4  |                  |          | 1.19         |             |             |                | 26,080                                   | 1.94                                   |
|                    | mm    |        |                  |          | 30.2         |             |             |                | 11.855                                   | 2.90                                   |
| LL1666             | inch  | 6 x 6  |                  |          | 1.70         |             |             |                | 39,120                                   | 2.89                                   |
|                    | mm    |        |                  |          | 43.2         |             |             |                | 17.780                                   | 4.31                                   |
| LL2022             | inch  | 2 x 2  | 1.250            | 0.401    | 0.79         | 1.039       | 0.138       | 0.4020         | 21,360                                   | 1.46                                   |
|                    | mm    |        | 31.75            | 10.19    | 20.1         | 26.4        | 3.50        | 10.21          | 9.710                                    | 2.17                                   |
| LL2044             | inch  | 4 x 4  |                  |          | 1.38         |             |             |                | 42,710                                   | 2.84                                   |
|                    | mm    |        |                  |          | 35.1         |             |             |                | 19.415                                   | 4.24                                   |
| LL2066             | inch  | 6 x 6  |                  |          | 1.97         |             |             |                | 64,070                                   | 4.22                                   |
|                    | mm    |        |                  |          | 50.1         |             |             |                | 29.125                                   | 6.30                                   |
| LL2422             | inch  | 2 x 2  | 1.500            | 0.576    | 1.12         | 1.315       | 0.193       | 0.5768         | 38,220                                   | 2.70                                   |
|                    | mm    |        | 38.10            | 14.63    | 28.4         | 33.4        | 4.90        | 14.65          | 17,375                                   | 4.02                                   |
| LL2444             | inch  | 4 x 4  |                  |          | 1.94         |             |             |                | 76,430                                   | 5.22                                   |
|                    | mm    |        |                  |          | 49.4         |             |             |                | 34,740                                   | 7.79                                   |
| LL2466             | inch  | 6 x 6  |                  |          | 2.77         |             |             |                | 114,650                                  | 7.74                                   |
|                    | mm    |        |                  |          | 70.4         |             |             |                | 52,115                                   | 11.55                                  |
| LL2822             | inch  | 2 x 2  | 1.750            | 0.626    | 1.34         | 1.457       | 0.248       | 0.6268         | 44,960                                   | 3.63                                   |
|                    | mm    |        | 44.45            | 15.90    | 34.0         | 37.0        | 6.30        | 15.92          | 20,435                                   | 5.42                                   |
| LL2844             | inch  | 4 x 4  |                  |          | 2.36         |             |             |                | 89,920                                   | 7.08                                   |
|                    | mm    |        |                  |          | 60.0         |             |             |                | 40,875                                   | 10.56                                  |
| LL2866             | inch  | 6 x 6  |                  |          | 3.39         |             |             |                | 134,890                                  | 10.53                                  |
|                    | mm    |        |                  |          | 86.0         |             |             |                | 61,315                                   | 15.71                                  |
| LL3222             | inch  | 2 x 2  | 2.000            | 0.701    | 1.38         | 1.661       | 0.248       | 0.7020         | 58,450                                   | 3.97                                   |
|                    | mm    |        | 50.80            | 17.81    | 35.0         | 42.2        | 6.30        | 17.83          | 26,570                                   | 5.92                                   |
| LL3244             | inch  | 4 x 4  |                  |          | 2.40         |             |             |                | 116,900                                  | 7.71                                   |
|                    | mm    |        |                  |          | 61.0         |             |             |                | 53,135                                   | 11.50                                  |
| LL3266             | inch  | 6 x 6  |                  |          | 3.43         |             |             |                | 175,350                                  | 11.44                                  |
|                    | mm    |        |                  |          | 87.0         |             |             |                | 79,705                                   | 17.06                                  |

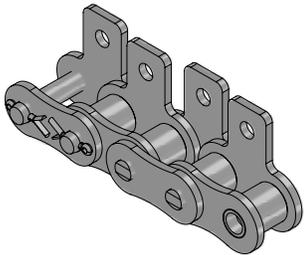
## Attachment Roller Chain - Single Pitch Nomenclature



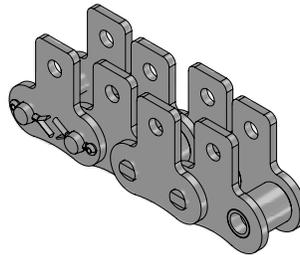
**A-1**  
Bent Lug  
One Side - One Hole



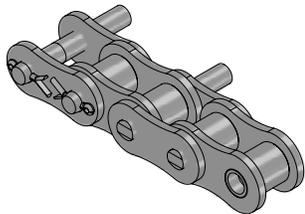
**K-1**  
Bent Lug  
Two Sides - One Hole



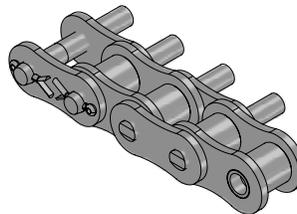
**SA-1**  
Straight Lug  
One Side - One Hole



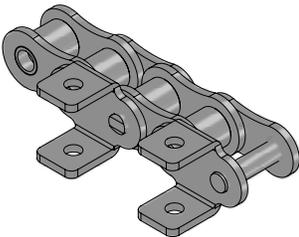
**SK-1**  
Straight Lug  
Two Sides - One Hole



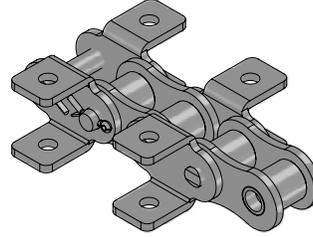
**D-1**  
Extended Pin  
One Pin Extended  
per Pin Link



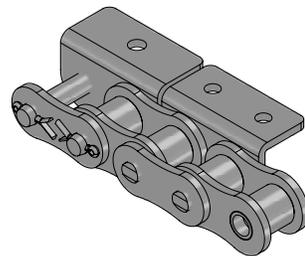
**D-3**  
Extended Pin  
Both Pins Extended  
per Pin Link



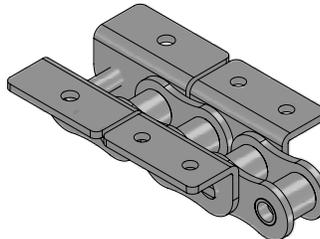
**AA-1**  
Bent Double Lug  
Up and Down  
One Side - One Hole



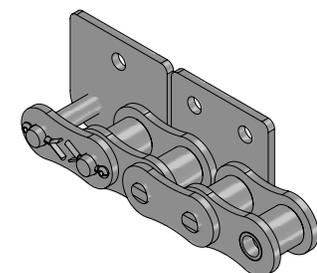
**KK-1**  
Bent Double Lug  
Up and Down  
Two Sides - One Hole



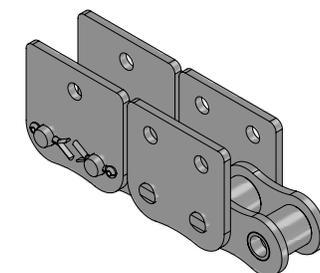
**WA-1 or WA-2**  
Wide Contour  
Bent Lug  
One Side  
One Hole (WA-1)  
Two Holes (WA-2)



**WK-1 or WK-2**  
Wide Contour  
Bent Lug  
Two Sides  
One Hole (WK-1)  
Two Holes (WK-2)



**WSA-1 or WSA-2**  
Wide Contour  
Straight Lug  
One Side  
One Hole (WSA-1)  
Two Holes (WSA-2)

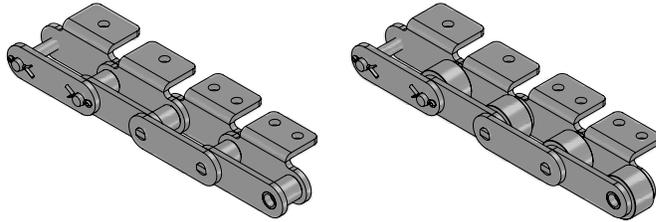


**WSK-1 or WSK-2**  
Wide Contour  
Straight Lug  
Two Sides  
One Hole (WSK-1)  
Two Holes (WSK-2)

## Attachment Roller Chain - Double Pitch Nomenclature

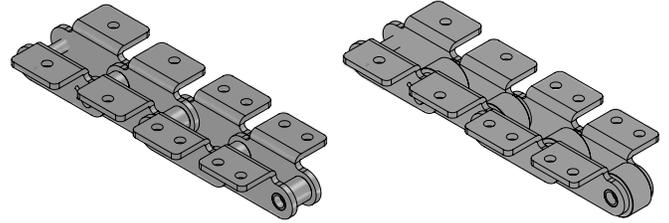
**A-1/A-2**

Bent Lug - One Side  
One Hole (A-1) Two Holes (A-2)



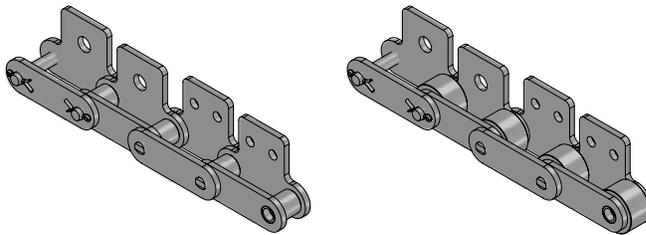
**K-1/K-2**

Bent Lug - Two Sides  
One Hole (K-1) Two Holes (K-2)



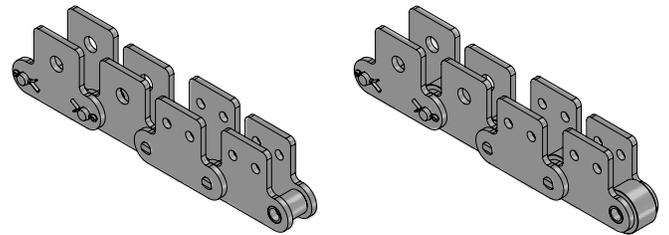
**SA-1/SA-2**

Straight Lug - One Side  
One Hole (SA-1) Two Holes (SA-2)



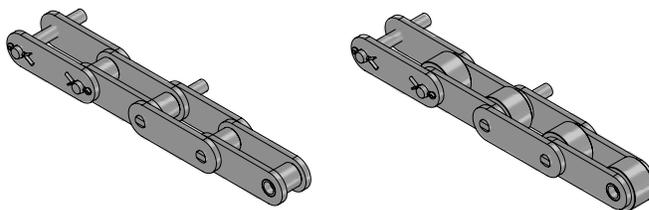
**SK-1/SK-2**

Straight Lug - Two Sides  
One Hole (SK-1) Two Holes (SK-2)



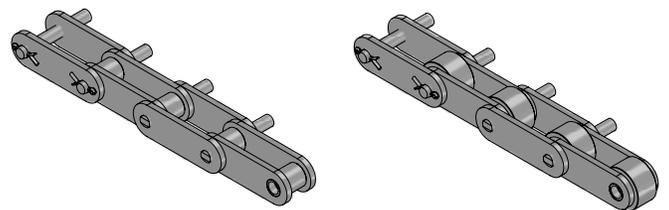
**D-1**

Extended Pin  
One Pin Extended per Pin Link



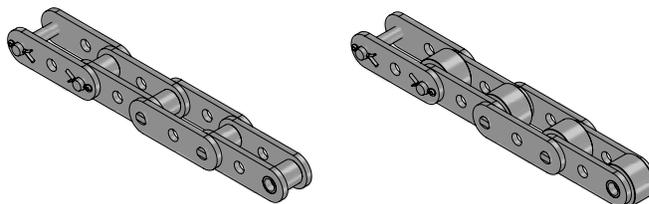
**D-3**

Extended Pin  
Both Pins Extended per Pin Link

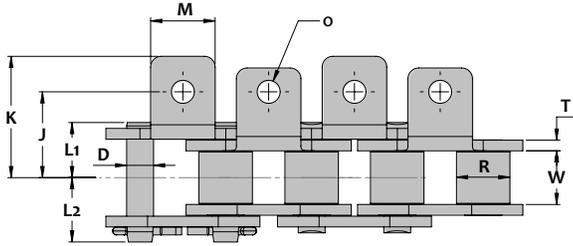


**GK-1**

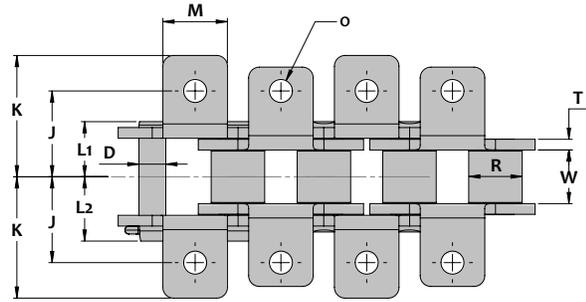
Mid Pitch Hole  
Both Sides



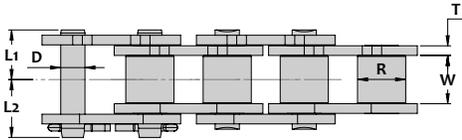
# ASME/ANSI Standard Attachment Roller Chain



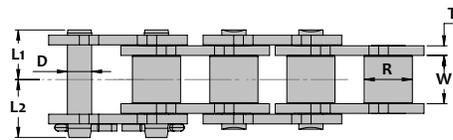
A-1 Attachment



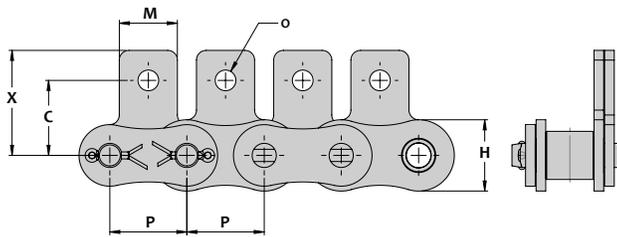
K-1 Attachment



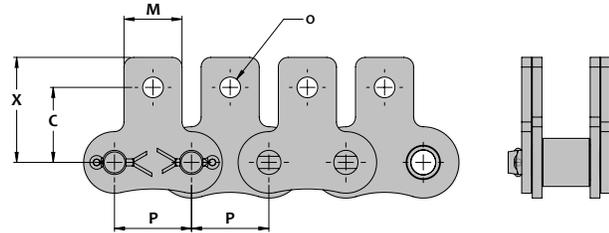
SA-1 Attachment



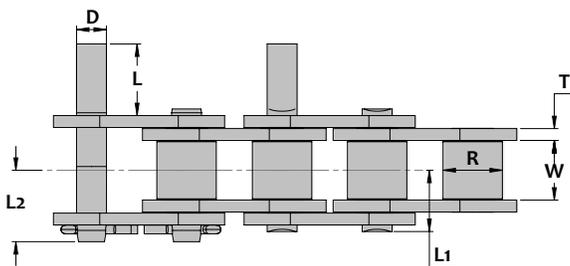
SK-1 Attachment



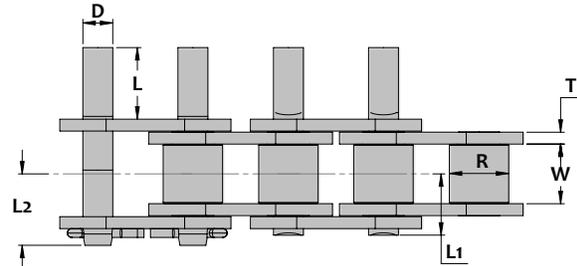
SA-1 Attachment



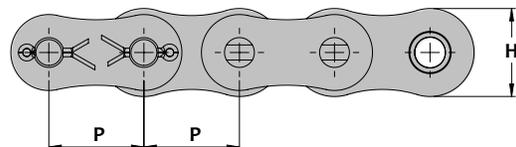
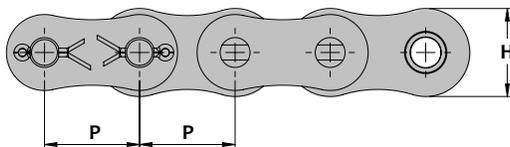
SK-1 Attachment



D-1 Attachment



D-3 Attachment



# ASME/ANSI Standard Attachment Roller Chain

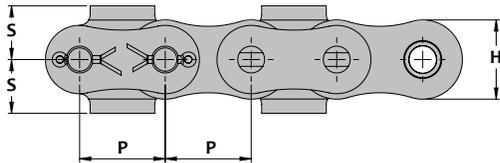
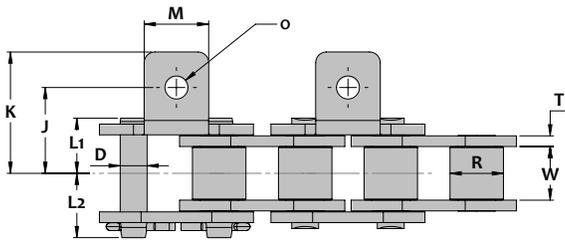
## Attachment Dimensions and Weights

| MAXCO Chain Number | Units | Attachment Dimensions |       |          |       |      |              |       |               |       | Additional Weight/Attachment |                |                |
|--------------------|-------|-----------------------|-------|----------|-------|------|--------------|-------|---------------|-------|------------------------------|----------------|----------------|
|                    |       | All Attachments       |       | Bent Lug |       |      | Straight Lug |       | Extended Pins |       | A, SA                        | K, SK          | Ext. Pin       |
|                    |       | M                     | O     | S        | J     | K    | C            | X     | D             | L     | Lbs/pc<br>g/pc               | Lbs/pc<br>g/pc | Lbs/pc<br>g/pc |
| 35                 | inch  | 0.312                 | 0.106 | 0.250    | 0.375 | 0.56 | 0.375        | 0.571 | 0.141         | 0.375 | 0.002                        | 0.004          | 0.002          |
|                    | mm    | 7.9                   | 3.4   | 6.4      | 9.5   | 14.3 | 9.5          | 14.5  | 3.58          | 9.5   | 0.9                          | 1.8            | 0.8            |
| 40                 | inch  | 0.375                 | 0.142 | 0.312    | 0.500 | 0.68 | 0.500        | 0.728 | 0.156         | 0.375 | 0.003                        | 0.005          | 0.002          |
|                    | mm    | 9.5                   | 3.6   | 7.9      | 12.7  | 17.3 | 12.7         | 18.5  | 3.96          | 9.5   | 1.2                          | 2.4            | 1.0            |
| 50                 | inch  | 0.500                 | 0.205 | 0.406    | 0.625 | 0.92 | 0.625        | 0.906 | 0.200         | 0.469 | 0.009                        | 0.018          | 0.004          |
|                    | mm    | 12.7                  | 5.2   | 10.3     | 15.9  | 23.3 | 15.9         | 23.0  | 5.08          | 11.9  | 4.0                          | 8.0            | 2.0            |
| 60                 | inch  | 0.625                 | 0.205 | 0.469    | 0.750 | 1.11 | 0.720        | 1.051 | 0.234         | 0.563 | 0.014                        | 0.029          | 0.007          |
|                    | mm    | 15.9                  | 5.2   | 11.9     | 19.1  | 28.1 | 18.3         | 26.7  | 5.95          | 14.3  | 6.5                          | 13             | 3.0            |
| 80                 | inch  | 0.75                  | 0.268 | 0.625    | 1.000 | 1.41 | 0.969        | 1.358 | 0.312         | 0.750 | 0.029                        | 0.057          | 0.015          |
|                    | mm    | 19.1                  | 6.8   | 15.9     | 25.4  | 35.9 | 24.6         | 34.5  | 7.93          | 19.1  | 13                           | 26             | 7.0            |
| 100                | inch  | 1.000                 | 0.346 | 0.780    | 1.250 | 1.74 | 1.250        | 1.693 | 0.375         | 0.937 | 0.060                        | 0.12           | 0.026          |
|                    | mm    | 25.4                  | 8.8   | 19.8     | 31.8  | 44.3 | 31.8         | 43.0  | 9.53          | 23.8  | 27                           | 54             | 12             |
| 120                | inch  | 1.125                 | 0.413 | 0.906    | 1.500 | 2.15 | 1.441        | 2.024 | 0.437         | 1.382 | 0.10                         | 0.21           | 0.044          |
|                    | mm    | 28.6                  | 10.5  | 23.0     | 38.1  | 54.7 | 38.6         | 51.4  | 11.1          | 35.1  | 47                           | 94             | 20             |
| 140                | inch  | 1.366                 | 0.472 | 1.125    | 1.750 | 2.49 | 1.748        | 2.484 | 0.500         | 1.610 | 0.14                         | 0.29           | 0.066          |
|                    | mm    | 34.7                  | 12.0  | 28.6     | 44.5  | 63.2 | 44.4         | 63.1  | 12.7          | 40.9  | 65                           | 130            | 30             |
| 160                | inch  | 1.5                   | 0.551 | 1.250    | 2.000 | 2.83 | 2.000        | 2.736 | 0.562         | 1.839 | 0.19                         | 0.39           | 0.10           |
|                    | mm    | 38.1                  | 14.0  | 31.8     | 50.8  | 71.9 | 50.8         | 69.5  | 14.28         | 46.7  | 88                           | 176            | 45             |

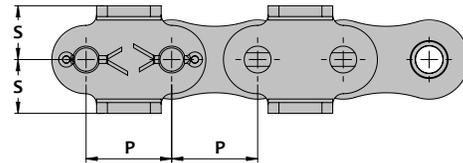
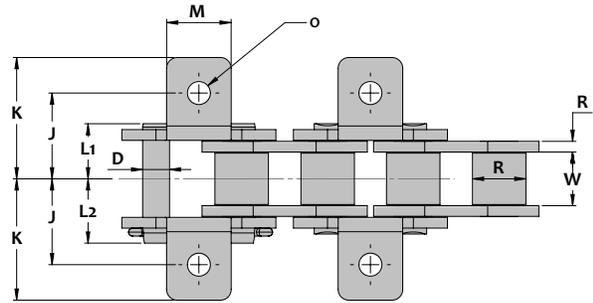
## Base Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller           |                   | Pin           |                       | Side Plate  |             | Rated Working Load          |                      |                      |                                      | Ave Chain Weight<br>Lbs/ft<br>Kg/m |      |
|--------------------|-------|------------------|------------------|-------------------|---------------|-----------------------|-------------|-------------|-----------------------------|----------------------|----------------------|--------------------------------------|------------------------------------|------|
|                    |       |                  | Roller Dia.<br>R | Inside Width<br>W | Pin Dia.<br>D | Pin Length<br>L1   L2 | Height<br>H | Thick.<br>T | Carbon Steel<br>Lbs<br>Kg-f | 304SS<br>Lbs<br>Kg-f | 600SS<br>Lbs<br>Kg-f | Freedom Series C-Type<br>Lbs<br>Kg-f |                                    |      |
|                    |       |                  |                  |                   |               |                       |             |             |                             |                      |                      |                                      |                                    |      |
| 35                 | inch  | 0.375            | 0.200            | 0.188             | 0.141         | 0.24                  | 0.27        | 0.354       | 0.050                       | 365                  | 60                   | 90                                   | -                                  | 0.23 |
|                    | mm    | 9.525            | 5.08             | 4.78              | 3.58          | 6.0                   | 6.9         | 9.0         | 1.25                        | 166                  | 27                   | 41                                   | -                                  | 0.34 |
| 40                 | inch  | 0.500            | 0.312            | 0.313             | 0.156         | 0.33                  | 0.38        | 0.461       | 0.060                       | 640                  | 100                  | 150                                  | 545                                | 0.40 |
|                    | mm    | 12.70            | 7.92             | 7.95              | 3.96          | 8.3                   | 9.6         | 11.7        | 1.5                         | 291                  | 45                   | 68                                   | 248                                | 0.60 |
| 50                 | inch  | 0.625            | 0.400            | 0.375             | 0.200         | 0.40                  | 0.46        | 0.575       | 0.080                       | 1,000                | 150                  | 225                                  | 850                                | 0.66 |
|                    | mm    | 15.875           | 10.16            | 9.53              | 5.08          | 10.2                  | 11.8        | 14.6        | 2.0                         | 455                  | 68                   | 102                                  | 386                                | 0.98 |
| 60                 | inch  | 0.750            | 0.469            | 0.500             | 0.234         | 0.50                  | 0.56        | 0.689       | 0.094                       | 1,500                | 230                  | 345                                  | 1,275                              | 0.98 |
|                    | mm    | 19.05            | 11.91            | 12.70             | 5.95          | 12.8                  | 14.1        | 17.5        | 2.4                         | 682                  | 105                  | 157                                  | 580                                | 1.46 |
| 80                 | inch  | 1.000            | 0.625            | 0.625             | 0.312         | 0.65                  | 0.75        | 0.921       | 0.126                       | 2,570                | 400                  | 600                                  | 2,185                              | 1.69 |
|                    | mm    | 25.4             | 15.88            | 15.88             | 7.93          | 16.4                  | 19.1        | 23.4        | 3.2                         | 1,170                | 182                  | 273                                  | 993                                | 2.52 |
| 100                | inch  | 1.250            | 0.75             | 0.750             | 0.375         | 0.78                  | 0.92        | 1.154       | 0.157                       | 3,740                | 570                  | -                                    | 3,180                              | 2.62 |
|                    | mm    | 31.75            | 19.05            | 19.05             | 9.53          | 19.7                  | 23.3        | 29.3        | 4.0                         | 1,700                | 259                  | -                                    | 1,445                              | 3.91 |
| 120                | inch  | 1.500            | 0.875            | 1.000             | 0.437         | 0.98                  | 1.13        | 1.382       | 0.188                       | 5,640                | -                    | -                                    | 4,795                              | 3.86 |
|                    | mm    | 38.10            | 22.23            | 25.40             | 11.10         | 24.8                  | 28.6        | 35.1        | 4.8                         | 2,565                | -                    | -                                    | 2,180                              | 5.76 |
| 140                | inch  | 1.750            | 1.000            | 1.000             | 0.500         | 1.06                  | 1.23        | 1.610       | 0.220                       | 6,710                | -                    | -                                    | -                                  | 4.97 |
|                    | mm    | 44.45            | 25.40            | 25.40             | 12.70         | 27.0                  | 31.3        | 40.9        | 5.6                         | 3,050                | -                    | -                                    | -                                  | 7.41 |
| 160                | inch  | 2.000            | 1.125            | 1.250             | 0.562         | 1.27                  | 1.44        | 1.839       | 0.250                       | 9,270                | -                    | -                                    | -                                  | 6.56 |
|                    | mm    | 50.80            | 28.58            | 31.75             | 14.27         | 32.2                  | 36.5        | 46.7        | 6.4                         | 4,215                | -                    | -                                    | -                                  | 9.79 |

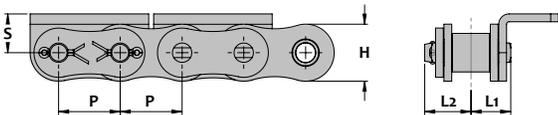
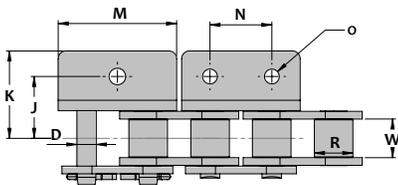
# ASME/ANSI Specialty Attachment Roller Chain



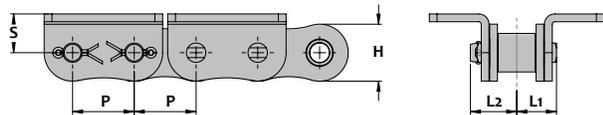
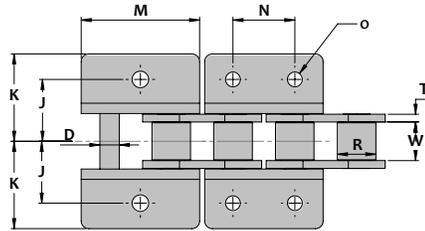
AA-1 Attachment



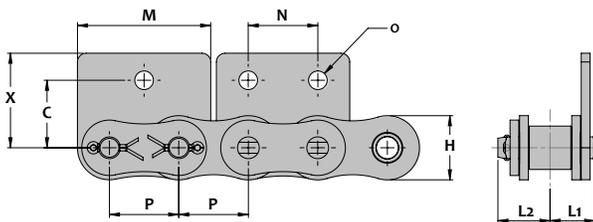
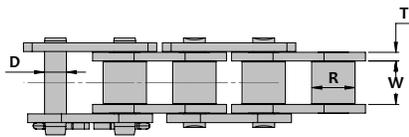
KK-1 Attachment



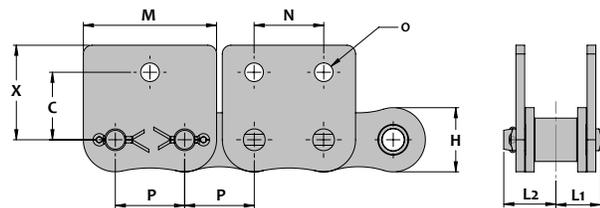
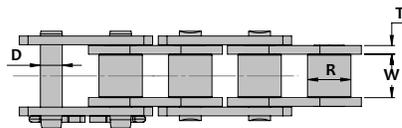
WA-1/WA-2 Attachment



WK-1/WK-2 Attachment



WSA-1/WSA-2 Attachment



WSK-1/WSK-2 Attachment



## ASME/ANSI Specialty Attachment Roller Chain

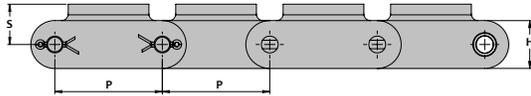
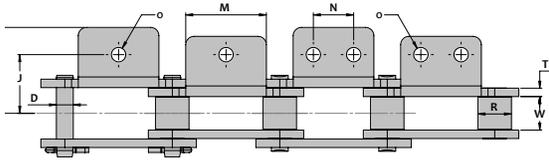
### Attachment Dimensions and Weights

| MAXCO Chain Number | Units | Attachment Dimensions |       |       |          |       |      |              |       |        | Additional Weight/Attachment |                |                |                |
|--------------------|-------|-----------------------|-------|-------|----------|-------|------|--------------|-------|--------|------------------------------|----------------|----------------|----------------|
|                    |       | All Attachments       |       |       | Bent Lug |       |      | Straight Lug |       | AA, KK | WA, WSA                      | WK, WSK        | AA             | KK             |
|                    |       | M                     | O     | N     | S        | J     | K    | C            | X     | M      | Lbs/pc<br>g/pc               | Lbs/pc<br>g/pc | Lbs/pc<br>g/pc | Lbs/pc<br>g/pc |
| 40                 | inch  | 0.957                 | 0.142 | 0.500 | 0.312    | 0.500 | 0.68 | 0.500        | 0.681 | 0.375  | 0.007                        | 0.014          | 0.007          | 0.014          |
|                    | mm    | 24.3                  | 3.6   | 12.7  | 7.9      | 12.7  | 17.3 | 12.7         | 17.3  | 9.5    | 3.2                          | 6.4            | 3.2            | 6.4            |
| 50                 | inch  | 1.197                 | 0.205 | 0.625 | 0.406    | 0.625 | 0.92 | 0.625        | 0.909 | 0.500  | 0.015                        | 0.031          | 0.013          | 0.026          |
|                    | mm    | 30.4                  | 5.2   | 15.9  | 10.3     | 15.9  | 23.3 | 15.9         | 23.1  | 12.7   | 6.8                          | 14             | 5.9            | 12             |
| 60                 | inch  | 1.457                 | 0.205 | 0.750 | 0.469    | 0.750 | 1.11 | 0.720        | 1.067 | 0.625  | 0.026                        | 0.053          | 0.024          | 0.049          |
|                    | mm    | 37.0                  | 5.2   | 19.1  | 11.9     | 19.1  | 28.1 | 18.3         | 27.1  | 15.9   | 12                           | 24             | 11             | 22             |
| 80                 | inch  | 1.913                 | 0.268 | 1.000 | 0.625    | 1.000 | 1.41 | 0.969        | 1.358 | 0.75   | 0.062                        | 0.12           | 0.051          | 0.10           |
|                    | mm    | 48.6                  | 6.8   | 25.4  | 15.9     | 25.4  | 35.9 | 24.6         | 34.5  | 19.1   | 28                           | 56             | 23             | 46             |
| 100                | inch  | 2.402                 | 0.346 | 1.250 | 0.780    | 1.250 | 1.74 | 1.250        | 1.693 | 1.000  | 0.12                         | 0.24           | 0.11           | 0.21           |
|                    | mm    | 61.0                  | 8.8   | 31.8  | 19.8     | 31.8  | 44.3 | 31.8         | 43.0  | 25.4   | 55                           | 110            | 48             | 96             |

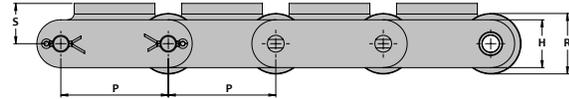
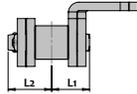
### Base Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller           |                   | Pin           |                       | Side Plate |             | Rated Working Load |                             |                      |                      | Ave Chain Weight<br>Lbs/ft<br>Kg/m |                                      |
|--------------------|-------|------------------|------------------|-------------------|---------------|-----------------------|------------|-------------|--------------------|-----------------------------|----------------------|----------------------|------------------------------------|--------------------------------------|
|                    |       |                  | Roller Dia.<br>R | Inside Width<br>W | Pin Dia.<br>D | Pin Length<br>L1   L2 |            | Height<br>H | Thick.<br>T        | Carbon Steel<br>Lbs<br>Kg-f | 304SS<br>Lbs<br>Kg-f | 600SS<br>Lbs<br>Kg-f |                                    | Freedom Series C-Type<br>Lbs<br>Kg-f |
|                    |       |                  |                  |                   |               |                       |            |             |                    |                             |                      |                      |                                    |                                      |
| 40                 | inch  | 0.500            | 0.312            | 0.313             | 0.156         | 0.33                  | 0.38       | 0.461       | 0.060              | 640                         | 100                  | 150                  | 545                                | 0.40                                 |
|                    | mm    | 12.70            | 7.92             | 7.95              | 3.96          | 8.3                   | 9.6        | 11.7        | 1.5                | 291                         | 45                   | 68                   | 248                                | 0.60                                 |
| 50                 | inch  | 0.625            | 0.400            | 0.375             | 0.200         | 0.40                  | 0.46       | 0.575       | 0.080              | 1,000                       | 150                  | 225                  | 850                                | 0.66                                 |
|                    | mm    | 15.875           | 10.16            | 9.53              | 5.08          | 10.2                  | 11.8       | 14.6        | 2.0                | 455                         | 68                   | 102                  | 386                                | 0.98                                 |
| 60                 | inch  | 0.750            | 0.469            | 0.500             | 0.234         | 0.50                  | 0.56       | 0.689       | 0.094              | 1,500                       | 230                  | 345                  | 1,275                              | 0.98                                 |
|                    | mm    | 19.05            | 11.91            | 12.70             | 5.95          | 12.8                  | 14.1       | 17.5        | 2.4                | 682                         | 105                  | 157                  | 580                                | 1.46                                 |
| 80                 | inch  | 1.000            | 0.625            | 0.625             | 0.312         | 0.65                  | 0.75       | 0.921       | 0.126              | 2,570                       | 400                  | 600                  | 2,185                              | 1.69                                 |
|                    | mm    | 25.4             | 15.88            | 15.88             | 7.93          | 16.4                  | 19.1       | 23.4        | 3.2                | 1,170                       | 182                  | 273                  | 993                                | 2.52                                 |
| 100                | inch  | 1.250            | 0.75             | 0.750             | 0.375         | 0.78                  | 0.92       | 1.154       | 0.157              | 3,740                       | 570                  | -                    | 3,180                              | 2.62                                 |
|                    | mm    | 31.75            | 19.05            | 19.05             | 9.53          | 19.7                  | 23.3       | 29.3        | 4.0                | 1,700                       | 259                  | -                    | 1,445                              | 3.91                                 |

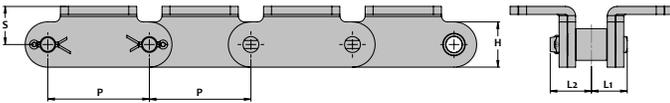
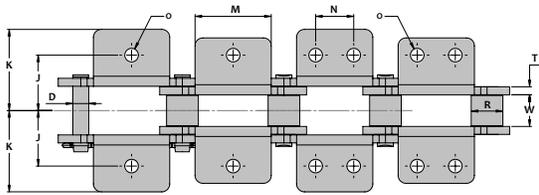
# ASME/ANSI Double Pitch Attachment Roller Chain



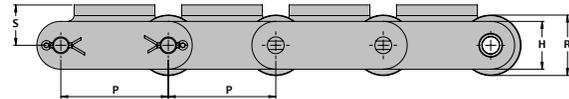
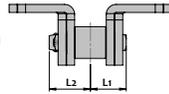
A-1/A-2 Attachment



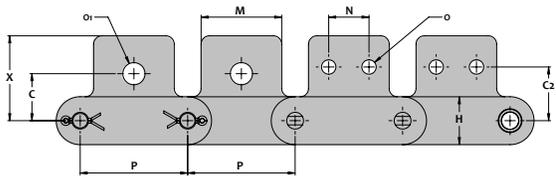
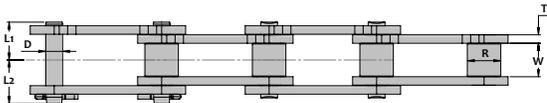
Large Roller



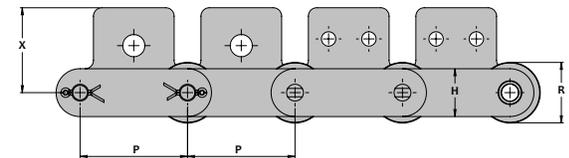
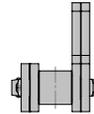
K-1/K-2 Attachment



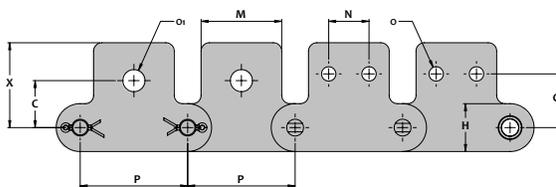
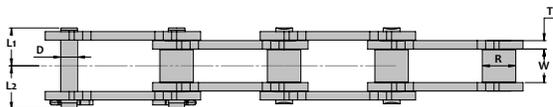
Large Roller



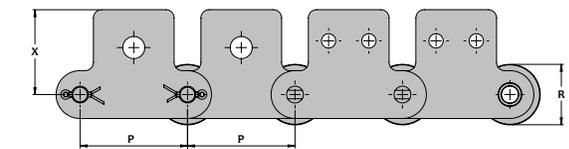
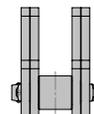
SA-1/SA-2 Attachment



Large Roller



SK-1/SK-2 Attachment



Large Roller

# ASME/ANSI Double Pitch Attachment Roller Chain

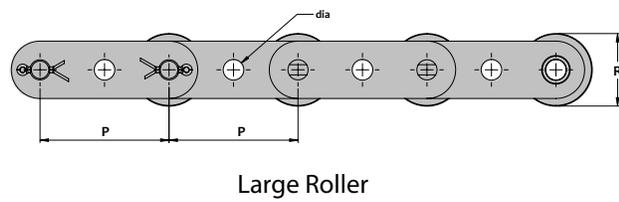
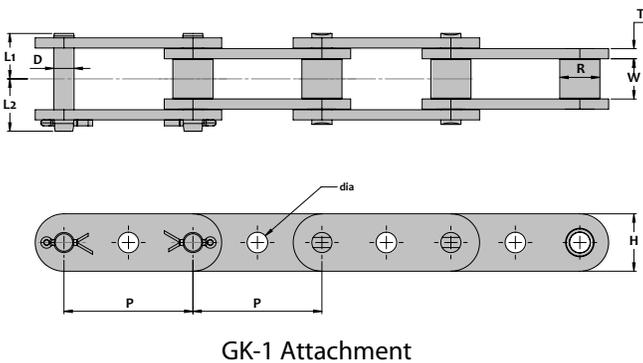
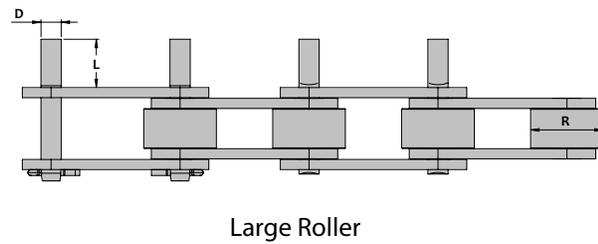
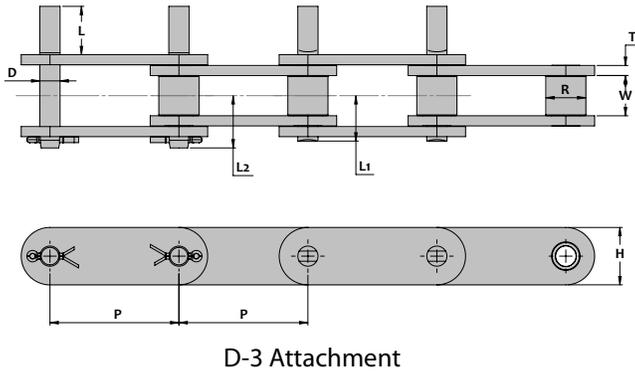
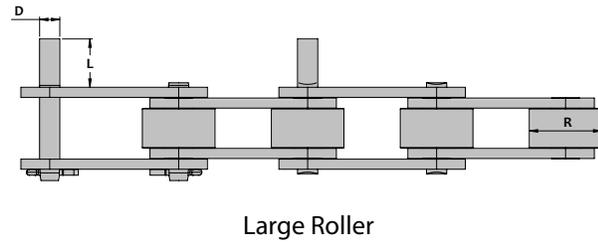
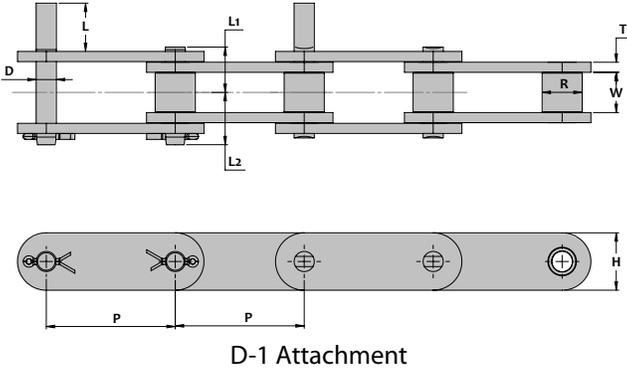
## Attachment Dimensions and Weights

| MAXCO Chain Number | Units | Attachment Dimensions |       |                  |       |           |       |      |               |       |      | Additional Weight/Attachment |                |                |                |
|--------------------|-------|-----------------------|-------|------------------|-------|-----------|-------|------|---------------|-------|------|------------------------------|----------------|----------------|----------------|
|                    |       | All Attachments       |       | Attachment Holes |       | Bent Lugs |       |      | Straight Lugs |       |      | A                            | K              | SA             | SK             |
|                    |       | M                     | N     | O                | O1    | S         | J     | K    | C             | C2    | X    | Lbs/pc<br>g/pc               | Lbs/pc<br>g/pc | Lbs/pc<br>g/pc | Lbs/pc<br>g/pc |
| C2040<br>C2042     | inch  | 0.750                 | 0.375 | 0.142            | 0.205 | 0.358     | 0.500 | 0.75 | 0.437         | 0.531 | 0.78 | 0.007                        | 0.014          | 0.006          | 0.012          |
|                    | mm    | 19.1                  | 9.5   | 3.6              | 5.2   | 9.1       | 12.7  | 19.1 | 11.1          | 13.5  | 19.8 | 3.2                          | 6.3            | 2.7            | 5.4            |
| C2050<br>C2052     | inch  | 0.937                 | 0.469 | 0.205            | 0.268 | 0.437     | 0.625 | 0.95 | 0.563         | 0.625 | 0.97 | 0.014                        | 0.028          | 0.013          | 0.026          |
|                    | mm    | 23.8                  | 11.9  | 5.2              | 6.8   | 11.1      | 15.9  | 24.2 | 14.3          | 15.9  | 24.6 | 6.3                          | 13             | 5.9            | 12             |
| C2060H<br>C2062H   | inch  | 1.125                 | 0.563 | 0.205            | 0.346 | 0.579     | 0.843 | 1.23 | 0.689         | 0.750 | 1.21 | 0.033                        | 0.066          | 0.033          | 0.066          |
|                    | mm    | 28.6                  | 14.3  | 5.2              | 8.8   | 14.7      | 21.4  | 31.2 | 17.5          | 19.1  | 30.6 | 15                           | 30             | 15             | 30             |
| C2080H<br>C2082H   | inch  | 1.500                 | 0.750 | 0.268            | 0.413 | 0.75      | 1.094 | 1.60 | 0.875         | 1.000 | 1.58 | 0.070                        | 0.14           | 0.071          | 0.14           |
|                    | mm    | 38.1                  | 19.1  | 6.8              | 10.5  | 19.1      | 27.8  | 40.6 | 22.2          | 25.4  | 40.2 | 32                           | 63             | 32             | 64             |
| C2100H<br>C2102H   | inch  | 1.875                 | 0.937 | 0.346            | 0.551 | 0.921     | 1.312 | 1.97 | 1.125         | 1.250 | 1.98 | 0.14                         | 0.28           | 0.15           | 0.29           |
|                    | mm    | 47.6                  | 23.8  | 8.8              | 14.0  | 23.4      | 33.3  | 50.0 | 28.6          | 31.8  | 50.3 | 64                           | 129            | 66             | 132            |
| C2120H<br>C2122H   | inch  | 2.250                 | 1.125 | 0.413            | 0.630 | 1.094     | 1.563 | 2.44 | 1.312         | 1.469 | 2.41 | 0.23                         | 0.45           | 0.22           | 0.43           |
|                    | mm    | 57.2                  | 28.6  | 10.5             | 16.0  | 27.8      | 39.7  | 61.9 | 33.3          | 37.3  | 61.1 | 102                          | 205            | 98             | 196            |

## Base Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller           |                   | Pin           |                     | Side Plate |             | Rated Working Load |                             |                      |                      | Freedom Series C-Type | Ave Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|------------------|-------------------|---------------|---------------------|------------|-------------|--------------------|-----------------------------|----------------------|----------------------|-----------------------|------------------------------------|
|                    |       |                  | Roller Dia.<br>R | Inside Width<br>W | Pin Dia.<br>D | Pin Length<br>L1 L2 |            | Height<br>H | Thick.<br>T        | Carbon Steel<br>Lbs<br>Kg-f | 304SS<br>Lbs<br>Kg-f | 600SS<br>Lbs<br>Kg-f |                       |                                    |
|                    |       |                  |                  |                   |               |                     |            |             |                    |                             |                      |                      |                       |                                    |
| C2040<br>C2042     | inch  | 1.000            | 0.312<br>0.625   | 0.313             | 0.156         | 0.32                | 0.41       | 0.449       | 0.060              | 600                         | 100                  | 150                  | 545                   | 0.32<br>0.55                       |
|                    | mm    | 25.40            | 7.92<br>15.88    | 7.95              | 3.96          | 8.2                 | 10.3       | 11.4        | 1.5                | 273                         | 45                   | 68                   | 248                   | 0.48<br>0.82                       |
| C2050<br>C2052     | inch  | 1.250            | 0.400<br>0.750   | 0.375             | 0.200         | 0.40                | 0.46       | 0.591       | 0.080              | 990                         | 150                  | 225                  | 850                   | 0.55<br>0.84                       |
|                    | mm    | 31.75            | 10.16<br>19.05   | 9.53              | 5.08          | 10.2                | 11.8       | 15.0        | 2.0                | 450                         | 68                   | 102                  | 386                   | 0.82<br>1.26                       |
| C2060H<br>C2062H   | inch  | 1.500            | 0.469<br>0.875   | 0.500             | 0.234         | 0.57                | 0.65       | 0.669       | 0.126              | 1,440                       | 250                  | 375                  | 1,275                 | 0.93<br>1.39                       |
|                    | mm    | 38.10            | 11.91<br>22.23   | 12.70             | 5.95          | 14.4                | 16.6       | 17.0        | 3.2                | 655                         | 114                  | 170                  | 993                   | 1.38<br>2.08                       |
| C2080H<br>C2082H   | inch  | 2.000            | 0.625<br>1.125   | 0.625             | 0.312         | 0.70                | 0.83       | 0.890       | 0.157              | 2,460                       | 420                  | 630                  | 2,185                 | 1.56<br>2.25                       |
|                    | mm    | 50.80            | 15.88<br>28.58   | 15.88             | 7.93          | 17.8                | 21.0       | 22.6        | 4.0                | 1,120                       | 191                  | 286                  | 993                   | 2.32<br>3.36                       |
| C2100H<br>C2102H   | inch  | 2.500            | 0.750<br>1.562   | 0.750             | 0.375         | 0.83                | 0.97       | 1.126       | 0.189              | 3,760                       | 600                  | -                    | -                     | 2.32<br>3.78                       |
|                    | mm    | 63.50            | 19.05<br>39.67   | 19.05             | 9.53          | 21.1                | 24.6       | 28.6        | 4.8                | 1,710                       | 273                  | -                    | -                     | 3.46<br>5.64                       |
| C2120H<br>C2122H   | inch  | 3.000            | 0.875<br>1.750   | 1.000             | 0.437         | 1.04                | 1.21       | 1.374       | 0.220              | 5,430                       | 900                  | -                    | -                     | 3.30<br>5.28                       |
|                    | mm    | 76.20            | 22.23<br>44.45   | 25.40             | 11.10         | 26.3                | 30.7       | 34.9        | 5.6                | 2,470                       | 409                  | -                    | -                     | 4.92<br>7.87                       |

# ASME/ANSI Double Pitch Attachment Roller Chain



# ASME/ANSI Double Pitch Attachment Roller Chain

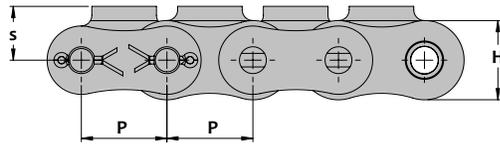
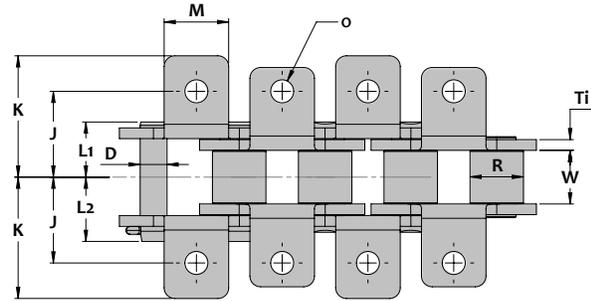
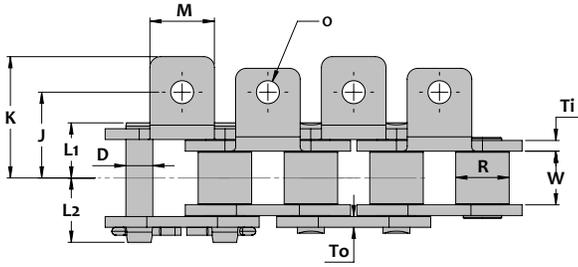
## Attachment Dimensions and Weights

| MAXCO Chain Number | Units | Extended Pins |       |   | GK-1 Attachments                |       |       |       |       |       |
|--------------------|-------|---------------|-------|---|---------------------------------|-------|-------|-------|-------|-------|
|                    |       | D             | L     | Additional Weight per extended pin<br>Lb/pc<br>g/pc | Attachment Hole Diameter<br>dia |       |       |       |       |       |
| C2040<br>C2042     | inch  | 0.156         | 0.375 | 0.001   | 0.160                           |       |       |       |       |       |
|                    | mm    | 3.96          | 9.5   | 0.5   | 4.06                            |       |       |       |       |       |
| C2050<br>C2052     | inch  | 0.200         | 0.469 | 0.002   | 0.200                           | 0.205 | 0.240 | 0.250 | 0.315 | 0.325 |
|                    | mm    | 5.08          | 11.9  | 1.0   | 5.08                            | 5.21  | 6.10  | 6.35  | 8.00  | 8.26  |
| C2060H<br>C2062H   | inch  | 0.234         | 0.563 | 0.004   |                                 | 0.240 | 0.250 | 0.280 | 0.320 |       |
|                    | mm    | 5.95          | 14.3  | 2.0   |                                 | 6.10  | 6.35  | 7.11  | 8.13  |       |
| C2080H<br>C2082H   | inch  | 0.312         | 0.750 | 0.007   |                                 |       | 0.315 | 0.320 |       |       |
|                    | mm    | 7.93          | 19.1  | 3.0   |                                 |       | 8.00  | 8.13  |       |       |
| C2100H<br>C2102H   | inch  | 0.375         | 0.937 | 0.015   | 0.400                           |       |       |       |       |       |
|                    | mm    | 9.53          | 23.8  | 7.0   | 10.16                           |       |       |       |       |       |
| C2120H<br>C2122H   | inch  | 0.437         | 1.125 | 0.026   | 0.475                           |       |       |       |       |       |
|                    | mm    | 11.10         | 28.6  | 12.0  | 12.07                           |       |       |       |       |       |

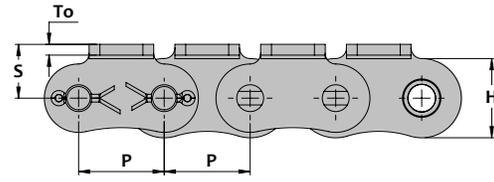
## Base Chain Specifications

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller           |                   | Pin           |                     | Side Plate  |             | Rated Working Load          |                      |                      |                                      | Ave Chain Weight<br>Lbs/ft<br>Kg/m |              |
|--------------------|-------|------------------|------------------|-------------------|---------------|---------------------|-------------|-------------|-----------------------------|----------------------|----------------------|--------------------------------------|------------------------------------|--------------|
|                    |       |                  | Roller Dia.<br>R | Inside Width<br>W | Pin Dia.<br>D | Pin Length<br>L1 L2 | Height<br>H | Thick.<br>T | Carbon Steel<br>Lbs<br>Kg-f | 304SS<br>Lbs<br>Kg-f | 600SS<br>Lbs<br>Kg-f | Freedom Series C-Type<br>Lbs<br>Kg-f |                                    |              |
| C2040<br>C2042     | inch  | 1.000            | 0.312<br>0.625   | 0.313             | 0.156         | 0.32                | 0.41        | 0.449       | 0.060                       | 600                  | 100                  | 150                                  | 545                                | 0.32<br>0.55 |
|                    | mm    | 25.40            | 7.92<br>15.88    | 7.95              | 3.96          | 8.2                 | 10.3        | 11.4        | 1.5                         | 273                  | 45                   | 68                                   | 248                                | 0.48<br>0.82 |
| C2050<br>C2052     | inch  | 1.250            | 0.400<br>0.750   | 0.375             | 0.200         | 0.40                | 0.46        | 0.591       | 0.080                       | 990                  | 150                  | 225                                  | 850                                | 0.55<br>0.84 |
|                    | mm    | 31.75            | 10.16<br>19.05   | 9.53              | 5.08          | 10.2                | 11.8        | 15.0        | 2.0                         | 450                  | 68                   | 102                                  | 386                                | 0.82<br>1.26 |
| C2060H<br>C2062H   | inch  | 1.500            | 0.469<br>0.875   | 0.500             | 0.234         | 0.57                | 0.65        | 0.669       | 0.126                       | 1,440                | 250                  | 375                                  | 1,275                              | 0.93<br>1.39 |
|                    | mm    | 38.10            | 11.91<br>22.23   | 12.70             | 5.95          | 14.4                | 16.6        | 17.0        | 3.2                         | 655                  | 114                  | 170                                  | 993                                | 1.38<br>2.08 |
| C2080H<br>C2082H   | inch  | 2.000            | 0.625<br>1.125   | 0.625             | 0.312         | 0.70                | 0.83        | 0.890       | 0.157                       | 2,460                | 420                  | 630                                  | 2,185                              | 1.56<br>2.25 |
|                    | mm    | 50.80            | 15.88<br>28.58   | 15.88             | 7.93          | 17.8                | 21.0        | 22.6        | 4.0                         | 1,120                | 191                  | 286                                  | 993                                | 2.32<br>3.36 |
| C2100H<br>C2102H   | inch  | 2.500            | 0.750<br>1.562   | 0.750             | 0.375         | 0.83                | 0.97        | 1.126       | 0.189                       | 3,760                | 600                  | -                                    | -                                  | 2.32<br>3.78 |
|                    | mm    | 63.50            | 19.05<br>39.67   | 19.05             | 9.53          | 21.1                | 24.6        | 28.6        | 4.8                         | 1,710                | 273                  | -                                    | -                                  | 3.46<br>5.64 |
| C2120H<br>C2122H   | inch  | 3.000            | 0.875<br>1.750   | 1.000             | 0.437         | 1.04                | 1.21        | 1.374       | 0.220                       | 5,430                | 900                  | -                                    | -                                  | 3.30<br>5.28 |
|                    | mm    | 76.20            | 22.23<br>44.45   | 25.40             | 11.10         | 26.3                | 30.7        | 34.9        | 5.6                         | 2,470                | 409                  | -                                    | -                                  | 4.92<br>7.87 |

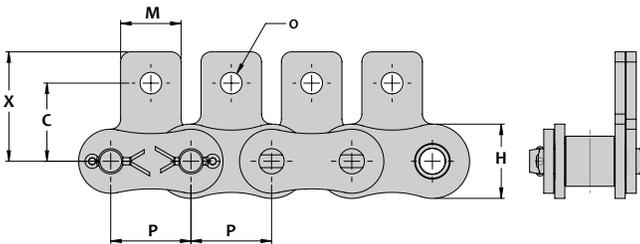
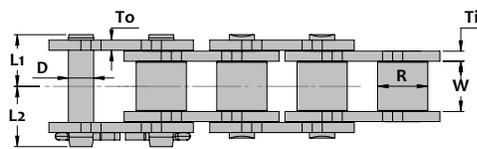
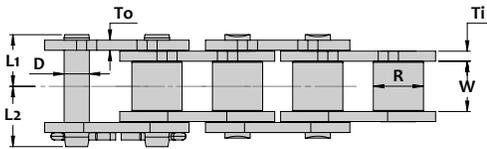
# ISO 606B British Standard Attachment Roller Chain



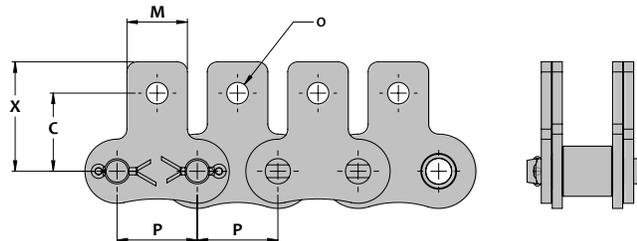
A-1 Attachment



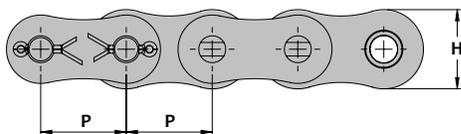
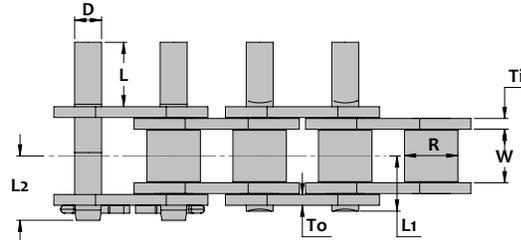
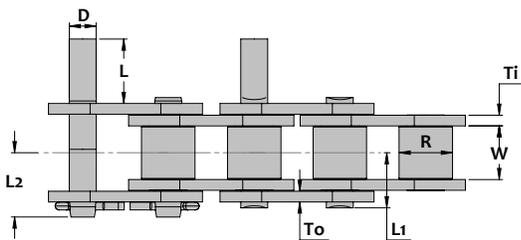
K-1 Attachment



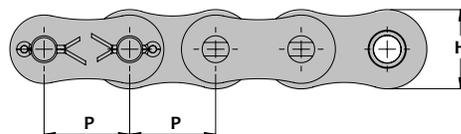
SA-1 Attachment



SK-1 Attachment



D-1 Attachment



D-3 Attachment

## ISO 606B British Standard Attachment Roller Chain

### Attachment Dimensions and Weights

| MAXCO Chain Number | Units | Attachment Dimensions |       |          |       |      |              |       |              |       | Additional Weight/Attachment |                |                |
|--------------------|-------|-----------------------|-------|----------|-------|------|--------------|-------|--------------|-------|------------------------------|----------------|----------------|
|                    |       | All Attachments       |       | Bent Lug |       |      | Straight Lug |       | Extended Pin |       | A, SA                        | K, SK          | Ext Pin        |
|                    |       | M                     | O     | S        | J     | K    | C            | X     | D            | L     | Lbs/pc<br>g/pc               | Lbs/pc<br>g/pc | Lbs/pc<br>g/pc |
| 08B                | inch  | 0.433                 | 0.169 | 0.335    | 0.543 | 0.82 | 0.539        | 0.819 | 0.175        | 0.583 | 0.004                        | 0.009          | 0.004          |
|                    | mm    | 11.0                  | 4.3   | 8.5      | 13.8  | 20.9 | 13.7         | 20.8  | 4.45         | 14.8  | 2.0                          | 4.0            | 1.8            |
| 10B                | inch  | 0.551                 | 0.209 | 0.413    | 0.622 | 0.95 | 0.650        | 0.980 | 0.200        | 0.693 | 0.007                        | 0.014          | 0.006          |
|                    | mm    | 14.0                  | 5.3   | 10.5     | 15.8  | 24.2 | 16.5         | 24.9  | 5.06         | 17.6  | 3.2                          | 6.4            | 2.8            |
| 12B                | inch  | 0.709                 | 0.252 | 0.480    | 0.693 | 1.07 | 0.728        | 1.106 | 0.225        | 0.815 | 0.010                        | 0.020          | 0.009          |
|                    | mm    | 18.0                  | 6.4   | 12.2     | 17.6  | 27.3 | 18.5         | 28.1  | 5.72         | 20.7  | 4.5                          | 9.0            | 4.1            |
| 16B                | inch  | 0.945                 | 0.331 | 0.669    | 1.142 | 1.65 | 1.079        | 1.575 | 0.326        | 1.311 | 0.44                         | 0.088          | 0.031          |
|                    | mm    | 24.0                  | 8.4   | 17.0     | 29.0  | 41.9 | 27.4         | 40.0  | 8.28         | 33.3  | 20                           | 40             | 14             |
| 20B                | inch  | 1.181                 | 0.413 | 0.827    | 1.358 | 1.94 | 1.299        | 1.870 | 0.400        | 1.508 | 0.055                        | 0.110          | 0.054          |
|                    | mm    | 30.0                  | 10.5  | 21.0     | 34.5  | 49.3 | 33.0         | 47.5  | 10.16        | 38.3  | 25                           | 50             | 24.3           |

### Base Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller           |                   | Pin           |                       | Side Plate |             |                      | Rated Working Load |              |             | Ave Chain Weight<br>Lbs/ft<br>Kg/m |                       |
|--------------------|-------|------------------|------------------|-------------------|---------------|-----------------------|------------|-------------|----------------------|--------------------|--------------|-------------|------------------------------------|-----------------------|
|                    |       |                  | Roller Dia.<br>R | Inside Width<br>W | Pin Dia.<br>D | Pin Length<br>L1   L2 |            | Height<br>H | Thickness<br>Ti   To |                    | Carbon Steel | 304SS       |                                    | Freedom Series C-Type |
|                    |       |                  |                  |                   |               |                       |            |             |                      |                    |              | Lbs<br>Kg-f |                                    | Lbs<br>Kg-f           |
| 08B                | inch  | 0.500            | 0.335            | 0.305             | 0.175         | 0.33                  | 0.39       | 0.465       | 0.060                |                    | 705          | 105         | 600                                | 0.41                  |
|                    | mm    | 12.70            | 8.51             | 7.75              | 4.45          | 8.4                   | 9.8        | 11.8        | 1.5                  |                    | 320          | 48          | 273                                | 0.61                  |
| 10B                | inch  | 0.625            | 0.400            | 0.380             | 0.200         | 0.37                  | 0.44       | 0.579       | 0.065                |                    | 895          | 145         | 760                                | 0.60                  |
|                    | mm    | 15.875           | 10.16            | 9.65              | 5.08          | 9.5                   | 11.2       | 14.7        | 1.65                 |                    | 407          | 66          | 345                                | 0.89                  |
| 12B                | inch  | 0.750            | 0.475            | 0.460             | 0.225         | 0.43                  | 0.50       | 0.634       | 0.070                |                    | 1,150        | 195         | 980                                | 0.76                  |
|                    | mm    | 19.05            | 12.07            | 11.68             | 5.72          | 11.0                  | 12.6       | 16.1        | 1.8                  |                    | 523          | 89          | 445                                | 1.14                  |
| 16B                | inch  | 1.000            | 0.625            | 0.670             | 0.325         | 0.69                  | 0.81       | 0.827       | 0.157                | 0.125              | 2,460        | 455         | 2,090                              | 1.74                  |
|                    | mm    | 25.4             | 15.88            | 17.02             | 8.26          | 17.6                  | 20.6       | 21.0        | 4.0                  | 3.2                | 1,120        | 207         | 950                                | 2.59                  |
| 20B                | inch  | 1.250            | 0.750            | 0.770             | 0.400         | 0.79                  | 0.94       | 1.039       | 0.177                | 0.138              | 3,810        | -           | 3,240                              | 2.52                  |
|                    | mm    | 31.75            | 19.05            | 19.56             | 10.16         | 20.1                  | 23.9       | 26.4        | 4.5                  | 3.5                | 1,730        | -           | 1,475                              | 3.76                  |

# Conveyor Chain Selection

## Introduction

A careful assessment of the conditions surrounding a conveyor is necessary for accurate conveyor chain selection. This section discusses the basic considerations required for successful conveyor chain selection. Roller Chains are often used for light to moderate duty material handling applications. Environmental conditions may require the use of special materials, platings coatings, lubricants or the ability to operate without additional external lubrication. Please contact MAXCO Chain, Ltd. engineering personnel for assistance with these special applications.

## Basic Information Required For Chain Selection

- Type of chain conveyor (unit or bulk) including the method of conveyance (attachments, buckets, through rods etc).
- Conveyor layout including sprocket locations, inclines (if any) and the number of chain strands (**N**) to be used.
- Amount of material (**M** in lbs/ft or kN/m) and type of material to be conveyed.
- Estimated weight of conveyor components (**W** in lbs/ft or kN/m) including chain, slats or attachments (if any).
- Linear chain speed (**S** in ft/min or m/min).
- Environment in which the chain will operate including temperature, corrosion circumstance, lubrication condition etc.

## Step 1: Estimate Chain Tension

Use the formula below to estimate the conveyor Pull ( $P_{est}$ ) and then the chain tension ( $T_{est}$ ).

$$P_{est} = (M + W) \times f \times SF$$

and

$$T_{est} = P_{est} / N$$

$f$  = Coefficient of Friction (see Table 1 on Page 131).  
 $SF$  = Speed Factor (see Table 2 on Page 131).

## Step 2: Make A Tentative Chain Selection

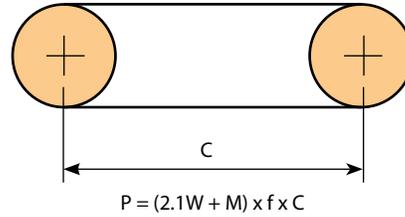
Using the  $T_{est}$  value, make a tentative selection by choosing a chain whose rated working load greater than the calculated  $T_{est}$  value. Rated working loads are found in the tables on pages 120 - 129. These values are appropriate for conveyor service and are different from those shown in tables at the front of the catalog which are related to slow speed drive chain usage.

In addition to sufficient load carrying capacity often these chains must be of a certain pitch to accommodate a desired attachment spacing. For example if slats are to be bolted to an attachment every 1.5 inches, the pitch of the chain selected must divide into 1.5". Thus one could use a 40 chain (1/2" pitch) with the attachments every 3rd, a 60 chain (3/4" pitch) with the attachments every 2nd, a 120 chain (1-1/2" pitch) with the attachments every pitch or a C2060H chain (1-1/2" pitch) with the attachments every pitch.

## Step 3: Finalize Selection - Calculate Actual Conveyor Pull

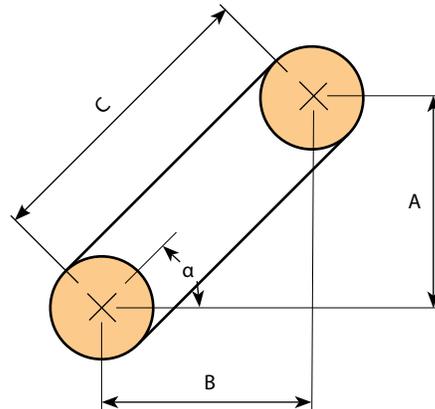
After making a tentative selection we need to verify it by calculating the actual chain tension ( $T$ ). To do this we must first calculate the actual conveyor pull ( $P$ ). From the layouts shown on the right side of this page choose the appropriate formula and calculate the total conveyor pull. Note that some conveyors may be a combination of horizontal, inclined and vertical . . . in that case calculate the conveyor Pull at each section and add them together.

## Horizontal Conveyor



$C$  = Center distance (ft or m)

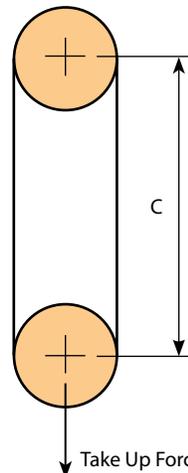
## Incline Conveyor



$$P = [(M + W) \times C \times (f \times \cos \alpha + \sin \alpha)] + [1.1W \times C \times (f \times \cos \alpha - \sin \alpha)]$$

$C$  = Center distance (ft or m)

## Vertical Conveyor



$$P = [(M + W) \times C] + 1/2 \text{ Take Up Force}$$

$C$  = Center distance (ft or m)

# Conveyor Chain Selection

Table 1: Coefficient of Friction (f)

| Type of Carrier        | Dry  | Lubricated |
|------------------------|------|------------|
| Standard Roller        | 0.21 | 0.14       |
| Large Roller           | 0.12 | 0.08       |
| Top Roller             | 0.09 | 0.06       |
| Chain Sliding on Steel | 0.33 | 0.24       |

Table 2: Speed Factor (SF)

| Chain Speed      |                 | Speed Factor  |
|------------------|-----------------|---------------|
| 0 - 50 ft/min    | 0 - 15 m/min    | 1.0           |
| 50 - 100 ft/min  | 15 - 30 m/min   | 1.2           |
| 100 - 150 ft/min | 30 - 45 m/min   | 1.4           |
| 150 - 230 ft/min | 45 - 70 m/min   | 1.6           |
| 230 - 300 ft/min | 70 - 90 m/min   | 2.2           |
| 300 - 350 ft/min | 90 - 105 m/min  | 2.8           |
| 350 - 400 ft/min | 105 - 120 m/min | 3.2           |
| > 400 ft/min     | > 120 m/min     | Consult MAXCO |

Table 3: Multi-Strand Factor (MSF)

| Number of Strands | MSF           |
|-------------------|---------------|
| 1                 | 1.0           |
| 2                 | 1.2           |
| 3                 | 1.3           |
| 4                 | 1.4           |
| More than 4       | Consult MAXCO |

Table 4: Temperature Factor (TF)

| Number of Strands                | TF            |
|----------------------------------|---------------|
| -20° to -4° F<br>-30° to -20° C  | 4.0           |
| -4° to 15° F<br>-20° to -10° C   | 3.0           |
| 15° to 300° F<br>-10° to 150° C  | 1.0           |
| 300° to 390° F<br>150° to 200° C | 1.3           |
| 390° to 450° F<br>200° to 230° C | 2.0           |
| > 450° F<br>> 230° C             | Consult MAXCO |

## Step 4: Calculate Maximum Chain Tension

The Maximum Chain Tension (T) equals the Conveyor Pull (P) as calculated in Step 3 divided by the number of strands carrying the load (N), times the Speed Factor (SF) shown in Table 2, the Multi-Strand Factor (MSF) shown in Table 3 and the Temperature Factor (TF) shown in Table 4.

$$T = (P / N) \times MSF \times SF \times TF$$

## Step 5: Check the "Rated Working Load" of the Selected Chain

The "Rated Working Load" of the selected chain should be greater than the Maximum Chain Tension (T) calculated in Step 4 above. Rated working loads are found in the tables on pages 120 - 129. These values are appropriate for conveyor service and are different from those shown in tables at the front of the catalog which are related to slow speed drive chain usage.

## Step 6: Check the "Allowable Roller Load" of the Selected Chain

For chains that roll on the chain rollers or on top roller attachments it is necessary to check the Allowable Roller Load" shown in Table 5 below. Top rollers can be considered Large steel or plastic rollers in the table below.

Note: the Roller load is determined by:

$$\text{Roller Load} = W_r / N_r$$

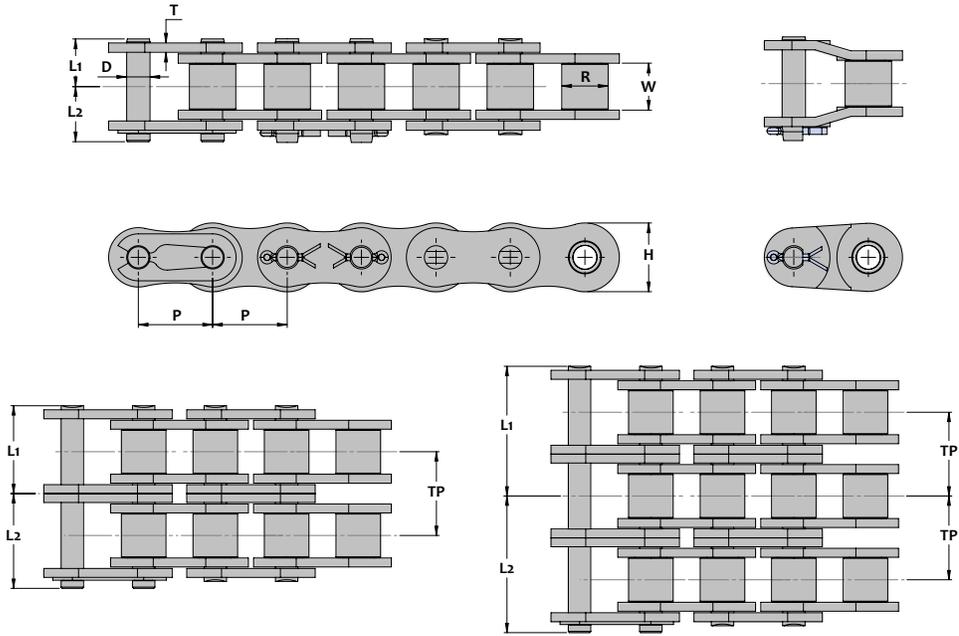
$W_r$  = The total weight carried by the rollers

$N_r$  = The number of rollers supporting the weight.

Table 5 Allowable Roller Load

| Chain Number     | Steel Standard Roller<br>Lbs / Kg-f | Steel Large Roller<br>Lbs / Kg-f | Plastic Large Roller<br>Lbs / Kg-f |
|------------------|-------------------------------------|----------------------------------|------------------------------------|
| 40               | 33 / 15                             | -                                | -                                  |
| 50               | 44 / 20                             | -                                | -                                  |
| 60               | 66 / 30                             | -                                | -                                  |
| 80               | 120 / 55                            | -                                | -                                  |
| 100              | 180 / 82                            | -                                | -                                  |
| 120              | 260 / 118                           | -                                | -                                  |
| 140              | 300 / 136                           | -                                | -                                  |
| 160              | 430 / 195                           | -                                | -                                  |
| C2040<br>C2042   | 33 / 15                             | 143 / 65                         | 44 / 20                            |
| C2050<br>C2052   | 44 / 20                             | 220 / 100                        | 66 / 30                            |
| C2060H<br>C2062H | 66 / 30                             | 350 / 159                        | 110 / 50                           |
| C2080H<br>C2082H | 120 / 55                            | 590 / 268                        | 200 / 91                           |
| C2100H<br>C2102H | 180 / 82                            | 880 / 400                        | 290 / 132                          |
| C2120H<br>C2122H | 260 / 118                           | 1,320 / 600                      | -                                  |
| C2160H<br>C2162H | 430 / 195                           | 2,160 / 982                      | -                                  |

# ASME/ANSI Standard Roller Chain



Chain Dimensions

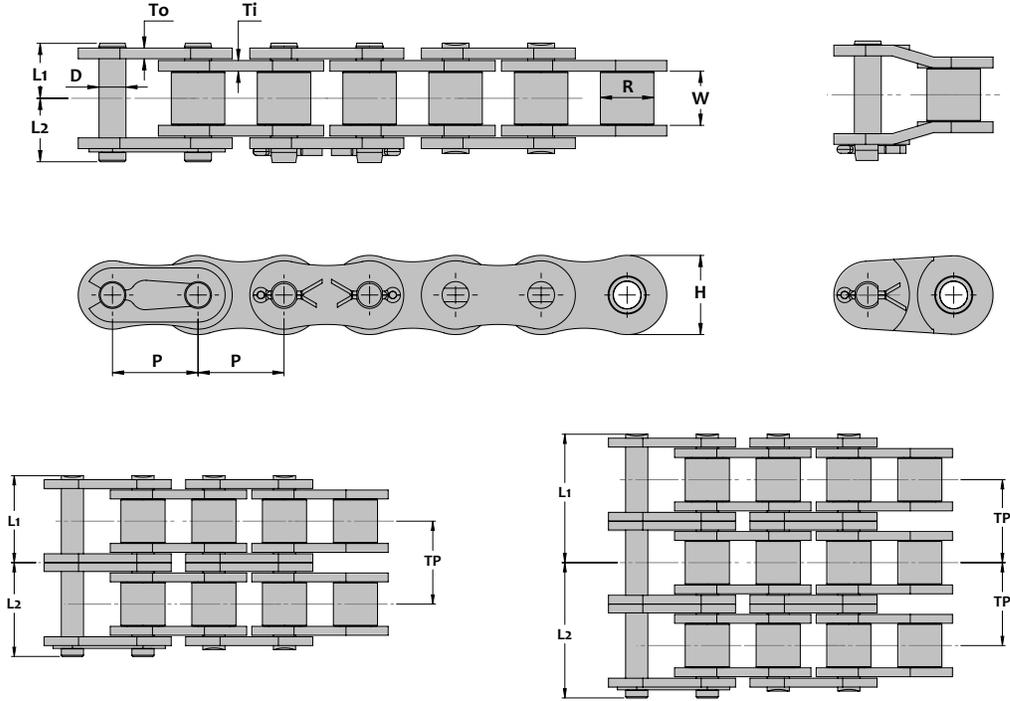
| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |          | Pin      |              | Side Plate   |             | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Number of Links<br>10ft<br>5m | Ave. Chain Weight<br>Lbs/ft<br>Kg/m |                |
|--------------------|-------|------------------|-------------------|----------|----------|--------------|--------------|-------------|--------------------|--|-----------------------------------|-------------------------------|-------------------------------------|----------------|
|                    |       |                  | Inside Width<br>W | Dia<br>R | Dia<br>D | Length<br>L1 | Length<br>L2 | Height<br>H |                    |  |                                   |                               |                                     | Thickness<br>T |
|                    |       |                  |                   |          |          |              |              |             |                    |  |                                   |                               |                                     |                |
| 25                 | inch  | 0.250            | 0.125             | 0.130    | 0.091    | 0.15         | 0.19         | 0.228       | 0.030              | -  | 1,040                             | 140                           | 480                                 | 0.09           |
|                    | mm    | 6.35             | 3.18              | 3.30     | 2.31     | 3.9          | 4.7          | 5.80        | 0.76               | -  | 473                               | 64                            | 788                                 | 0.13           |
| 35                 | inch  | 0.375            | 0.188             | 0.200    | 0.142    | 0.23         | 0.28         | 0.356       | 0.050              | -  | 2,400                             | 485                           | 320                                 | 0.21           |
|                    | mm    | 9.525            | 4.78              | 5.08     | 3.60     | 5.9          | 7.0          | 9.04        | 1.27               | -  | 1,090                             | 220                           | 526                                 | 0.32           |
| 35-2               | inch  |                  |                   |          |          | 0.44         | 0.47         |             |                    | 0.399                                    | 4,800                             | 800                           |                                     | 0.42           |
|                    | mm    |                  |                   |          |          | 11.2         | 11.9         |             |                    | 10.13                                    | 2,180                             | 364                           |                                     | 0.63           |
| 35-3               | inch  |                  |                   |          |          | 0.63         | 0.68         |             |                    | 0.39                                     | 7,200                             | 1,175                         |                                     | 0.63           |
|                    | mm    |                  |                   |          |          | 16.1         | 17.2         |             |                    | 10.13                                    | 3,270                             | 534                           |                                     | 0.94           |
| 41                 | inch  | 0.500            | 0.246             | 0.306    | 0.142    | 0.26         | 0.33         | 0.390       | 0.049              | -  | 2,600                             | 500                           | 240                                 | 0.27           |
|                    | mm    | 12.70            | 6.25              | 7.77     | 3.60     | 6.7          | 8.5          | 9.91        | 1.25               | -  | 1,180                             | 227                           | 394                                 | 0.41           |
| 40                 | inch  | 0.500            | 0.312             | 0.312    | 0.157    | 0.32         | 0.41         | 0.475       | 0.060              | -  | 4,190                             | 815                           | 240                                 | 0.42           |
|                    | mm    | 12.70            | 7.92              | 7.92     | 3.98     | 8.2          | 10.3         | 12.06       | 1.52               | -  | 1,905                             | 370                           | 394                                 | 0.62           |
| 40-2               | inch  |                  |                   |          |          | 0.61         | 0.69         |             |                    | 0.566                                    | 8,380                             | 1,375                         |                                     | 0.82           |
|                    | mm    |                  |                   |          |          | 15.5         | 17.5         |             |                    | 14.38                                    | 3,810                             | 625                           |                                     | 1.22           |
| 40-3               | inch  |                  |                   |          |          | 0.89         | 0.97         |             |                    | 0.566                                    | 12,570                            | 2,000                         |                                     | 1.22           |
|                    | mm    |                  |                   |          |          | 22.6         | 24.8         |             |                    | 14.38                                    | 5,715                             | 909                           |                                     | 1.82           |
| 50                 | inch  | 0.625            | 0.375             | 0.400    | 0.200    | 0.40         | 0.49         | 0.594       | 0.080              | -  | 6,830                             | 1,400                         | 192                                 | 0.68           |
|                    | mm    | 15.875           | 9.53              | 10.16    | 5.09     | 10.2         | 12.4         | 15.08       | 2.03               | -  | 3,105                             | 636                           | 316                                 | 1.01           |
| 50-2               | inch  |                  |                   |          |          | 0.76         | 0.85         |             |                    | 0.713                                    | 13,670                            | 2,380                         |                                     | 1.34           |
|                    | mm    |                  |                   |          |          | 19.2         | 21.5         |             |                    | 18.11                                    | 6,215                             | 1,080                         |                                     | 2.00           |
| 50-3               | inch  |                  |                   |          |          | 1.11         | 1.21         |             |                    | 0.713                                    | 20,500                            | 3,500                         |                                     | 2.00           |
|                    | mm    |                  |                   |          |          | 28.3         | 30.7         |             |                    | 18.11                                    | 9,320                             | 1,590                         |                                     | 2.98           |
| 60                 | inch  | 0.750            | 0.500             | 0.469    | 0.235    | 0.50         | 0.60         | 0.712       | 0.094              | -  | 9,260                             | 2,090                         | 160                                 | 0.97           |
|                    | mm    | 19.05            | 12.70             | 11.91    | 5.96     | 12.7         | 15.3         | 18.09       | 2.39               | -  | 4,210                             | 950                           | 262                                 | 1.45           |
| 60-2               | inch  |                  |                   |          |          | 0.95         | 1.05         |             |                    | 0.897                                    | 18,520                            | 3,300                         |                                     | 1.92           |
|                    | mm    |                  |                   |          |          | 24.1         | 26.7         |             |                    | 22.78                                    | 8,420                             | 1,500                         |                                     | 2.87           |
| 60-3               | inch  |                  |                   |          |          | 1.40         | 1.50         |             |                    | 0.897                                    | 27,780                            | 4,900                         |                                     | 2.87           |
|                    | mm    |                  |                   |          |          | 35.6         | 38.2         |             |                    | 22.78                                    | 12,625                            | 2,225                         |                                     | 4.28           |

## ASME/ANSI Standard Roller Chain

### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |          | Pin      |        |       | Side Plate  |                | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Number of Links<br>10ft<br>5m | Ave. Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-------------------|----------|----------|--------|-------|-------------|----------------|--------------------|--|-----------------------------------|-------------------------------|-------------------------------------|
|                    |       |                  | Inside Width<br>W | Dia<br>R | Dia<br>D | Length |       | Height<br>H | Thickness<br>T |                    |  |                                   |                               |                                     |
|                    |       |                  |                   |          |          | L1     | L2    |             |                |                    |  |                                   |                               |                                     |
| 80                 | inch  | 1.000            | 0.625             | 0.625    | 0.313    | 0.65   | 0.73  | 0.950       | 0.125          | -                  | 17,600                                   | 3,310                             | 120                           | 1.71                                |
|                    | mm    | 25.40            | 15.88             | 15.88    | 7.94     | 16.5   | 18.5  | 24.13       | 3.18           | -                  | 8,000                                    | 1,505                             | 198                           | 2.55                                |
| 80-2               | inch  |                  |                   |          |          | 1.22   | 1.31  |             |                | 1.153              | 35,200                                   | 5,500                             |                               | 3.39                                |
|                    | mm    |                  |                   |          |          | 31.1   | 33.2  |             |                | 29.29              | 16,000                                   | 2,500                             |                               | 5.05                                |
| 80-3               | inch  |                  |                   |          |          | 1.80   | 1.88  |             |                | 1.153              | 52,800                                   | 8,200                             |                               | 5.06                                |
|                    | mm    |                  |                   |          |          | 45.7   | 47.8  |             |                | 29.29              | 24,000                                   | 3,725                             |                               | 7.54                                |
| 100                | inch  | 1.250            | 0.750             | 0.750    | 0.376    | 0.95   | 0.95  | 1.187       | 0.156          | -                  | 23,350                                   | 5,070                             | 96                            | 2.65                                |
|                    | mm    | 31.75            | 19.05             | 19.05    | 9.54     | 24.1   | 24.1  | 30.16       | 3.96           | -                  | 10,615                                   | 2,305                             | 158                           | 3.95                                |
| 100-2              | inch  |                  |                   |          |          | 1.66   | 1.66  |             |                | 1.408              | 50,700                                   | 8,500                             |                               | 5.27                                |
|                    | mm    |                  |                   |          |          | 42.0   | 42.0  |             |                | 35.76              | 23,045                                   | 3,865                             |                               | 7.86                                |
| 100-3              | inch  |                  |                   |          |          | 2.34   | 2.34  |             |                | 1.408              | 76,050                                   | 12,500                            |                               | 7.88                                |
|                    | mm    |                  |                   |          |          | 59.4   | 59.4  |             |                | 35.76              | 34,570                                   | 5,680                             |                               | 11.75                               |
| 120                | inch  | 1.500            | 1.000             | 0.875    | 0.437    | 1.01   | 1.17  | 1.425       | 0.187          | -                  | 34,390                                   | 6,830                             | 80                            | 3.78                                |
|                    | mm    | 38.10            | 25.40             | 22.23    | 11.11    | 25.5   | 29.8  | 36.19       | 4.75           | -                  | 15,630                                   | 3,105                             | 132                           | 5.64                                |
| 120-2              | inch  |                  |                   |          |          | 1.89   | 2.06  |             |                | 1.789              | 68,780                                   | 11,500                            |                               | 7.51                                |
|                    | mm    |                  |                   |          |          | 48.1   | 52.3  |             |                | 45.44              | 31,265                                   | 5,225                             |                               | 11.2                                |
| 120-3              | inch  |                  |                   |          |          | 2.77   | 2.97  |             |                | 1.789              | 103,170                                  | 17,000                            |                               | 15.0                                |
|                    | mm    |                  |                   |          |          | 70.4   | 75.5  |             |                | 45.44              | 46,895                                   | 7,725                             |                               | 22.3                                |
| 140                | inch  | 1.750            | 1.000             | 1.000    | 0.500    | 1.07   | 1.27  | 1.662       | 0.219          | -                  | 46,300                                   | 9,040                             | 70                            | 4.95                                |
|                    | mm    | 44.45            | 25.40             | 25.40    | 12.70    | 27.3   | 32.2  | 42.2        | 5.56           | -                  | 21,045                                   | 4,110                             | 116                           | 7.38                                |
| 140-2              | inch  |                  |                   |          |          | 2.03   | 2.24  |             |                | 1.925              | 92,600                                   | 15,000                            |                               | 9.86                                |
|                    | mm    |                  |                   |          |          | 51.6   | 57.0  |             |                | 48.9               | 42,090                                   | 6,820                             |                               | 14.7                                |
| 140-3              | inch  |                  |                   |          |          | 3.00   | 3.19  |             |                | 1.925              | 138,900                                  | 22,000                            |                               | 14.7                                |
|                    | mm    |                  |                   |          |          | 76.1   | 81.1  |             |                | 48.9               | 63,135                                   | 10,000                            |                               | 21.9                                |
| 160                | inch  | 2.000            | 1.250             | 1.125    | 0.563    | 1.29   | 1.46  | 1.900       | 0.250          | -                  | 57,760                                   | 11,900                            | 60                            | 6.30                                |
|                    | mm    | 50.8             | 31.75             | 28.58    | 14.29    | 32.8   | 37.1  | 48.26       | 6.35           | -                  | 26,255                                   | 5,410                             | 98                            | 9.40                                |
| 160-2              | inch  |                  |                   |          |          | 2.46   | 2.57  |             |                | 2.305              | 115,520                                  | 20,000                            |                               | 12.5                                |
|                    | mm    |                  |                   |          |          | 62.4   | 65.2  |             |                | 58.6               | 52,510                                   | 9,090                             |                               | 18.6                                |
| 160-3              | inch  |                  |                   |          |          | 3.61   | 3.69  |             |                | 2.305              | 173,280                                  | 28,000                            |                               | 18.7                                |
|                    | mm    |                  |                   |          |          | 91.8   | 93.8  |             |                | 58.6               | 78,765                                   | 12,725                            |                               | 27.9                                |
| 180                | inch  | 2.250            | 1.406             | 1.406    | 0.687    | 1.44   | 1.66  | 2.137       | 0.281          | -                  | 81,000                                   | 13,670                            | 54                            | 8.50                                |
|                    | mm    | 57.15            | 35.71             | 35.71    | 17.46    | 36.6   | 42.1  | 54.29       | 7.14           | -                  | 36,820                                   | 6,215                             | 90                            | 12.7                                |
| 180-2              | inch  |                  |                   |          |          | 2.74   | 2.96  |             |                | 2.591              | 162,000                                  | 22,000                            |                               | 16.9                                |
|                    | mm    |                  |                   |          |          | 69.6   | 75.1  |             |                | 65.8               | 73,635                                   | 10,000                            |                               | 25.1                                |
| 180-3              | inch  |                  |                   |          |          | 4.03   | 4.25  |             |                | 2.591              | 243,000                                  | 34,000                            |                               | 25.2                                |
|                    | mm    |                  |                   |          |          | 102.5  | 108.0 |             |                | 65.8               | 110,455                                  | 15,455                            |                               | 37.6                                |
| 200                | inch  | 2.500            | 1.500             | 1.562    | 0.781    | 1.59   | 1.82  | 2.375       | 0.312          | -                  | 104,000                                  | 16,090                            | 48                            | 10.7                                |
|                    | mm    | 63.50            | 38.1              | 39.68    | 19.85    | 40.4   | 46.4  | 60.32       | 7.92           | -                  | 47,275                                   | 7,315                             | 80                            | 15.9                                |
| 200-2              | inch  |                  |                   |          |          | 3.00   | 3.23  |             |                | 2.819              | 208,000                                  | 27,000                            |                               | 21.2                                |
|                    | mm    |                  |                   |          |          | 76.2   | 82.2  |             |                | 71.6               | 94,545                                   | 12,275                            |                               | 31.6                                |
| 200-3              | inch  |                  |                   |          |          | 4.41   | 4.64  |             |                | 2.819              | 312,000                                  | 40,000                            |                               | 31.7                                |
|                    | mm    |                  |                   |          |          | 111.9  | 117.9 |             |                | 71.6               | 141,820                                  | 18,180                            |                               | 47.3                                |
| 240                | inch  | 3.000            | 1.875             | 1.875    | 0.937    | 1.94   | 2.18  |             |                | -                  | 152,000                                  | 22,400                            | 40                            | 16.4                                |
|                    | mm    | 76.20            | 47.63             | 47.63    | 23.81    | 49.4   | 55.4  |             |                | -                  | 69,090                                   | 10,180                            | 66                            | 24.4                                |
| 240-2              | inch  |                  |                   |          |          | 3.67   | 3.91  |             |                | 3.457              | 304,000                                  | 37,000                            |                               | 32.5                                |
|                    | mm    |                  |                   |          |          | 93.3   | 99.2  |             |                | 87.8               | 138,180                                  | 16,820                            |                               | 48.4                                |
| 240-3              | inch  |                  |                   |          |          | 5.40   | 5.64  |             |                | 3.457              | 456,000                                  | 54,500                            |                               | 48.6                                |
|                    | mm    |                  |                   |          |          | 137.2  | 143.2 |             |                | 87.8               | 207,275                                  | 24,775                            |                               | 72.4                                |

# ISO 606B British Standard Roller Chain



## Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |          |          | Pin          |              | Side Plate  |           |       | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Number of Links<br>10ft<br>5m | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-------------------|----------|----------|--------------|--------------|-------------|-----------|-------|--------------------|--|-----------------------------------|-------------------------------|--|
|                    |       |                  | Inside Width<br>W | Dia<br>R | Dia<br>D | Length<br>L1 | Length<br>L2 | Height<br>H | Thickness |       |                    |  |                                   |                               |  |
|                    |       |                  |                   |          |          |              |              |             | To        | Ti    |                    |  |                                   |                               |  |
| 05B                | inch  | 0.315            | 0.118             | 0.197    | 0.091    | 0.15         | 0.19         | .280        | 0.031     |       | -                  | 1,280                                    | 245                               | 382                           | 0.11                                   |
|                    | mm    | 8.0              | 3.00              | 5.00     | 2.31     | 3.9          | 4.7          | 7.11        | 0.78      |       | -                  | 582                                      | 111                               | 626                           | 0.16                                   |
| 06B                | inch  | 0.375            | 0.225             | 0.250    | 0.129    | 0.24         | 0.28         | 0.325       | 0.039     | 0.050 | -                  | 2,150                                    | 400                               | 320                           | 0.27                                   |
|                    | mm    | 9.53             | 5.72              | 6.35     | 3.28     | 6.1          | 7.1          | 8.26        | 1.00      | 1.28  | -                  | 975                                      | 182                               | 526                           | 0.41                                   |
| 06B-2              | inch  |                  |                   |          |          | 0.44         | 0.50         |             |           |       | 0.403              | 4,280                                    | 660                               |                               | 0.50                                   |
|                    | mm    |                  |                   |          |          | 11.3         | 12.7         |             |           |       | 10.24              | 1,945                                    | 300                               |                               | 0.74                                   |
| 06B-3              | inch  |                  |                   |          |          | 0.65         | 0.70         |             |           |       | 0.403              | 6,280                                    | 950                               |                               | 0.74                                   |
|                    | mm    |                  |                   |          |          | 16.4         | 17.7         |             |           |       | 10.24              | 2,855                                    | 432                               |                               | 1.10                                   |
| 08B                | inch  | 0.500            | 0.335             | 0.305    | 0.175    | 0.32         | 0.37         | 0.465       | 0.059     | 0.062 | -                  | 4,230                                    | 710                               | 240                           | 0.44                                   |
|                    | mm    | 12.7             | 8.51              | 7.75     | 4.45     | 8.2          | 9.3          | 11.81       | 1.49      | 1.58  | -                  | 1,925                                    | 323                               | 394                           | 0.66                                   |
| 08B-2              | inch  |                  |                   |          |          | 0.61         | 0.67         |             |           |       | 0.548              | 7,700                                    | 1,210                             |                               | 0.87                                   |
|                    | mm    |                  |                   |          |          | 15.5         | 17.1         |             |           |       | 13.92              | 3,500                                    | 550                               |                               | 1.30                                   |
| 08B-3              | inch  |                  |                   |          |          | 0.89         | 0.95         |             |           |       | 0.548              | 11,000                                   | 1,770                             |                               | 1.31                                   |
|                    | mm    |                  |                   |          |          | 22.6         | 24.1         |             |           |       | 13.92              | 5,000                                    | 805                               |                               | 1.95                                   |
| 10B                | inch  | 0.625            | 0.400             | 0.380    | 0.200    | 0.39         | 0.45         | 0.580       | 0.67      |       | -                  | 5,500                                    | 1,100                             | 192                           | 0.62                                   |
|                    | mm    | 15.88            | 10.16             | 9.65     | 5.08     | 9.9          | 11.6         | 14.73       | 1.71      |       | -                  | 2,500                                    | 500                               | 316                           | 0.92                                   |
| 10B-2              | inch  |                  |                   |          |          | 0.71         | 1.11         |             |           |       | 0.653              | 11,000                                   | 1,870                             |                               | 1.21                                   |
|                    | mm    |                  |                   |          |          | 18.0         | 28.2         |             |           |       | 16.59              | 5,000                                    | 850                               |                               | 1.81                                   |
| 10B-3              | inch  |                  |                   |          |          | 1.05         | 1.11         |             |           |       | 0.653              | 16,000                                   | 2,750                             |                               | 1.81                                   |
|                    | mm    |                  |                   |          |          | 26.6         | 28.1         |             |           |       | 16.59              | 7,275                                    | 1,250                             |                               | 2.70                                   |

## ISO 606B British Standard Roller Chain

### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |          |          | Pin    |       | Side Plate  |           |       | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Number of Links<br>10ft<br>5m | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-------------------|----------|----------|--------|-------|-------------|-----------|-------|--------------------|--|-----------------------------------|-------------------------------|--|
|                    |       |                  | Inside Width<br>W | Dia<br>R | Dia<br>D | Length |       | Height<br>H | Thickness |       |                    |  |                                   |                               |  |
|                    |       |                  |                   |          |          | L1     | L2    |             | To        | Ti    |                    |  |                                   |                               |  |
| 12B                | inch  | 0.750            | 0.475             | 0.460    | 0.225    | 0.44   | 0.57  | 0.635       | 0.073     |       | -                  | 7,100                                    | 1,540                             | 160                           | 0.81                                   |
|                    | mm    | 19.05            | 12.07             | 11.68    | 5.72     | 11.3   | 14.6  | 16.13       | 1.86      |       | -                  | 3,225                                    | 700                               | 262                           | 1.21                                   |
| 12B-2              | inch  |                  |                   |          |          | 0.84   | 0.95  |             |           |       | 0.766              | 14,200                                   | 2,650                             |                               | 1.61                                   |
|                    | mm    |                  |                   |          |          | 21.2   | 24.0  |             |           |       | 19.46              | 6,455                                    | 1,205                             |                               | 2.40                                   |
| 12B-3              | inch  |                  |                   |          |          | 1.22   | 1.34  |             |           |       | 0.766              | 21,300                                   | 3,860                             |                               | 2.41                                   |
|                    | mm    |                  |                   |          |          | 31.0   | 34.0  |             |           |       | 19.46              | 9,680                                    | 1,755                             |                               | 3.59                                   |
| 16B                | inch  | 1.000            | 0.625             | 0.670    | 0.326    | 0.71   | 0.83  | 0.830       | 0.125     | 0.157 | -                  | 15,000                                   | 3,530                             | 120                           | 1.78                                   |
|                    | mm    | 25.4             | 15.88             | 17.02    | 8.28     | 18.1   | 21.1  | 21.08       | 3.18      | 3.99  | -                  | 6,820                                    | 1,605                             | 198                           | 2.66                                   |
| 16B-2              | inch  |                  |                   |          |          | 1.34   | 1.41  |             |           |       | 1.255              | 30,000                                   | 4,800                             |                               | 3.53                                   |
|                    | mm    |                  |                   |          |          | 34.1   | 35.8  |             |           |       | 31.88              | 13,635                                   | 2,180                             |                               | 5.27                                   |
| 16B-3              | inch  |                  |                   |          |          | 1.97   | 2.10  |             |           |       | 1.255              | 45,000                                   | 7,000                             |                               | 5.28                                   |
|                    | mm    |                  |                   |          |          | 50.1   | 53.5  |             |           |       | 31.88              | 20,455                                   | 3,180                             |                               | 7.88                                   |
| 20B                | inch  | 1.250            | 0.750             | 0.770    | 0.401    | 0.79   | 0.96  | 1.040       | 0.125     | 0.176 | -                  | 23,150                                   | 4,190                             | 96                            | 2.43                                   |
|                    | mm    | 31.75            | 19.05             | 19.56    | 10.19    | 20.1   | 24.4  | 26.42       | 3.18      | 4.46  | -                  | 10,525                                   | 1,905                             | 158                           | 3.62                                   |
| 20B-2              | inch  |                  |                   |          |          | 1.51   | 1.66  |             |           |       | 1.435              | 46,300                                   | 7,170                             |                               | 4.80                                   |
|                    | mm    |                  |                   |          |          | 38.4   | 42.2  |             |           |       | 36.45              | 21,045                                   | 3,260                             |                               | 7.16                                   |
| 20B-3              | inch  |                  |                   |          |          | 2.23   | 2.41  |             |           |       | 1.435              | 69,450                                   | 10,470                            |                               | 7.21                                   |
|                    | mm    |                  |                   |          |          | 58.6   | 61.2  |             |           |       | 36.45              | 31,570                                   | 4,760                             |                               | 10.8                                   |
| 24B                | inch  | 1.500            | 1.000             | 1.000    | 0.576    | 1.07   | 1.27  | 1.315       | 0.189     | 0.236 | -                  | 36,680                                   | 7,050                             | 80                            | 4.73                                   |
|                    | mm    | 38.1             | 25.4              | 25.4     | 14.63    | 27.1   | 32.2  | 33.4        | 4.80      | 6.00  | -                  | 16,675                                   | 3,205                             | 132                           | 7.05                                   |
| 24B-2              | inch  |                  |                   |          |          | 2.00   | 2.24  |             |           |       | 1.904              | 79,370                                   | 10,520                            |                               | 9.39                                   |
|                    | mm    |                  |                   |          |          | 50.9   | 56.8  |             |           |       | 48.36              | 36,075                                   | 4,780                             |                               | 14.0                                   |
| 24B-3              | inch  |                  |                   |          |          | 2.97   | 3.18  |             |           |       | 1.904              | 119,050                                  | 15,540                            |                               | 13.9                                   |
|                    | mm    |                  |                   |          |          | 75.4   | 80.7  |             |           |       | 48.36              | 54,115                                   | 7,030                             |                               | 20.7                                   |
| 28B                | inch  | 1.750            | 1.100             | 1.220    | 0.626    | 1.30   | 1.47  | 1.460       | 0.236     | 0.287 | -                  | 50,000                                   | 9,920                             | 70                            | 6.42                                   |
|                    | mm    | 44.45            | 27.94             | 30.99    | 15.90    | 33.0   | 37.5  | 37.08       | 6.00      | 7.30  | -                  | 22,725                                   | 4,510                             | 116                           | 9.58                                   |
| 28B-2              | inch  |                  |                   |          |          | 2.47   | 2.66  |             |           |       | 2.345              | 94,000                                   | 13,100                            |                               | 12.7                                   |
|                    | mm    |                  |                   |          |          | 62.7   | 67.5  |             |           |       | 59.56              | 42,725                                   | 5,955                             |                               | 19.0                                   |
| 28B-3              | inch  |                  |                   |          |          | 3.64   | 3.83  |             |           |       | 2.345              | 139,000                                  | 19,290                            |                               | 19.0                                   |
|                    | mm    |                  |                   |          |          | 92.5   | 97.3  |             |           |       | 59.56              | 63,180                                   | 8,770                             |                               | 28.3                                   |
| 32B                | inch  | 2.000            | 1.150             | 1.220    | 0.701    | 1.31   | 1.50  | 1.665       | 0.236     | 0.276 | -                  | 61,000                                   | 10,580                            | 60                            | 6.18                                   |
|                    | mm    | 50.8             | 29.21             | 30.99    | 17.81    | 33.2   | 38.2  | 42.29       | 6.00      | 7.00  | -                  | 27,725                                   | 4,810                             | 98                            | 9.22                                   |
| 32B-2              | inch  |                  |                   |          |          | 2.46   | 2.66  |             |           |       | 2.305              | 121,500                                  | 14,970                            |                               | 12.4                                   |
|                    | mm    |                  |                   |          |          | 62.4   | 67.5  |             |           |       | 58.55              | 55,225                                   | 6,805                             |                               | 18.4                                   |
| 32B-3              | inch  |                  |                   |          |          | 3.61   | 3.81  |             |           |       | 2.305              | 181,000                                  | 22,030                            |                               | 18.5                                   |
|                    | mm    |                  |                   |          |          | 91.7   | 96.7  |             |           |       | 58.55              | 82,275                                   | 10,015                            |                               | 27.6                                   |
| 40B                | inch  | 2.500            | 1.550             | 1.500    | 0.901    | 1.63   | 2.03  | 2.085       | 0.315     | 0.323 | -                  | 93,500                                   | 15,210                            | 48                            | 10.9                                   |
|                    | mm    | 63.5             | 39.37             | 38.1     | 22.89    | 41.3   | 51.5  | 52.96       | 8.00      | 8.20  | -                  | 42,500                                   | 6,915                             | 80                            | 16.3                                   |
| 40B-2              | inch  |                  |                   |          |          | 3.05   | 3.45  |             |           |       | 2.846              | 187,000                                  | 25,790                            |                               | 21.5                                   |
|                    | mm    |                  |                   |          |          | 77.5   | 87.7  |             |           |       | 72.29              | 85,000                                   | 11,725                            |                               | 32.0                                   |
| 40B-3              | inch  |                  |                   |          |          | 4.47   | 4.87  |             |           |       | 2.846              | 280,500                                  | 38,030                            |                               | 31.9                                   |
|                    | mm    |                  |                   |          |          | 113.6  | 123.8 |             |           |       | 72.29              | 127,500                                  | 17,285                            |                               | 47.5                                   |
| 48B                | inch  | 3.000            | 1.900             | 1.800    | 1.151    | 1.95   | 2.36  | 2.515       | 0.374     | 0.472 | -                  | 141,000                                  | 23,150                            | 40                            | 16.8                                   |
|                    | mm    | 76.2             | 48.26             | 45.72    | 29.24    | 49.6   | 60.1  | 63.88       | 9.50      | 12.0  | -                  | 64,090                                   | 10,525                            | 66                            | 25.0                                   |
| 48B-2              | inch  |                  |                   |          |          | 3.75   | 4.16  |             |           |       | 2.846              | 282,000                                  | 39,350                            |                               | 33.5                                   |
|                    | mm    |                  |                   |          |          | 95.2   | 105.7 |             |           |       | 72.29              | 128,180                                  | 17,885                            |                               | 50.0                                   |
| 48B-3              | inch  |                  |                   |          |          | 5.54   | 5.96  |             |           |       | 2.846              | 423,000                                  | 57,870                            |                               | 50.3                                   |
|                    | mm    |                  |                   |          |          | 140.8  | 151.3 |             |           |       | 72.29              | 192,275                                  | 26,305                            |                               | 75.0                                   |



## ASME/ANSI Heavy (H) Series Roller Chain

### Chain Dimensions - Double Strand

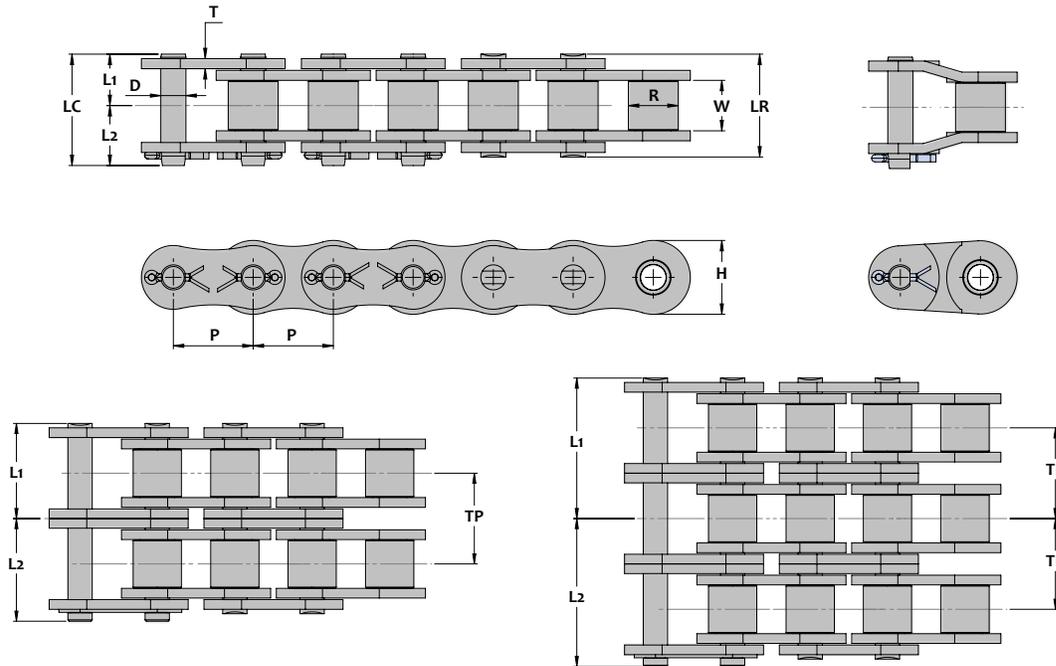
| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |      |       |       | Side Plate |        | Trans. Pitch<br>TP | Average Ultimate Strength |      | Average Chain Weight |      |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|-------|-------|------------|--------|--------------------|---------------------------|------|----------------------|------|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |      |       |       | Height     | Thick. |                    | Lbs                       | Kg-f | Lbs/ft               | Kg/m |
|                    |       |                  | R      | W            | D     | L1     | L2   | LR    | LC    | H          | T      |                    |                           |      |                      |      |
| 60H-2              | inch  | 0.750            | 0.469  | 0.500        | 0.235 | 1.08   | 1.17 | 2.17  | 2.26  | 0.712      | 0.125  | 1.028              | 23,800                    | 2.30 |                      |      |
|                    | mm    | 19.05            | 11.91  | 12.70        | 5.96  | 27.6   | 29.8 | 55.1  | 57.3  | 18.09      | 3.18   | 26.11              | 10,820                    | 3.43 |                      |      |
| 80H-2              | inch  | 1.000            | 0.625  | 0.625        | 0.313 | 1.37   | 1.52 | 2.74  | 2.89  | 0.950      | 0.156  | 1.283              | 40,600                    | 3.96 |                      |      |
|                    | mm    | 25.40            | 15.88  | 15.88        | 7.94  | 34.8   | 38.7 | 69.5  | 73.4  | 24.13      | 3.96   | 32.59              | 18,455                    | 5.91 |                      |      |
| 100H-2             | inch  | 1.250            | 0.750  | 0.750        | 0.376 | 1.64   | 1.76 | 3.27  | 3.40  | 1.187      | 0.187  | 1.539              | 60,800                    | 5.87 |                      |      |
|                    | mm    | 31.75            | 19.05  | 19.05        | 9.54  | 41.6   | 44.8 | 83.2  | 86.4  | 30.2       | 4.75   | 39.09              | 27,635                    | 8.75 |                      |      |
| 120H-2             | inch  | 1.500            | 0.875  | 1.000        | 0.437 | 2.05   | 2.23 | 4.10  | 4.28  | 1.425      | 0.219  | 1.924              | 82,000                    | 8.38 |                      |      |
|                    | mm    | 38.10            | 22.23  | 25.40        | 11.11 | 52.0   | 56.7 | 104.1 | 108.8 | 36.2       | 5.56   | 48.87              | 37,275                    | 12.5 |                      |      |
| 140H-2             | inch  | 1.750            | 1.000  | 1.000        | 0.500 | 2.17   | 2.37 | 4.34  | 4.54  | 1.662      | 0.250  | 2.055              | 108,000                   | 10.9 |                      |      |
|                    | mm    | 44.45            | 25.40  | 25.40        | 12.71 | 55.2   | 60.2 | 110.3 | 115.3 | 42.2       | 6.35   | 52.20              | 49,090                    | 16.2 |                      |      |
| 160H-2             | inch  | 2.000            | 1.125  | 1.250        | 0.563 | 2.56   | 2.76 | 5.11  | 5.32  | 1.900      | 0.281  | 2.437              | 136,000                   | 14.1 |                      |      |
|                    | mm    | 50.80            | 28.58  | 31.75        | 14.29 | 65.0   | 70.2 | 129.9 | 135.2 | 48.26      | 7.14   | 61.90              | 61,820                    | 21.1 |                      |      |
| 180H-2             | inch  | 2.250            | 1.406  | 1.406        | 0.687 | 2.88   | 3.35 | 5.76  | 6.23  | 2.137      | 0.312  | 2.723              | 166,000                   | 18.2 |                      |      |
|                    | mm    | 57.15            | 35.71  | 35.71        | 17.46 | 73.2   | 85.0 | 146.4 | 158.2 | 54.29      | 7.92   | 69.16              | 75,455                    | 27.1 |                      |      |
| 200H-2             | inch  | 2.500            | 1.562  | 1.500        | 0.781 | 3.26   | 3.48 | 6.51  | 6.73  | 2.375      | 0.375  | 3.083              | 227,600                   | 25.4 |                      |      |
|                    | mm    | 63.50            | 39.67  | 38.10        | 19.85 | 82.7   | 88.3 | 165.4 | 171.0 | 60.32      | 9.53   | 78.31              | 103,455                   | 37.9 |                      |      |

### Chain Dimensions - Triple Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |       |       |       | Side Plate |        | Trans. Pitch<br>TP | Average Ultimate Strength |      | Average Chain Weight |      |
|--------------------|-------|------------------|--------|--------------|-------|--------|-------|-------|-------|------------|--------|--------------------|---------------------------|------|----------------------|------|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |       |       |       | Height     | Thick. |                    | Lbs                       | Kg-f | Lbs/ft               | Kg/m |
|                    |       |                  | R      | W            | D     | L1     | L2    | LR    | LC    | H          | T      |                    |                           |      |                      |      |
| 60H-3              | inch  | 0.750            | 0.469  | 0.500        | 0.235 | 1.60   | 1.69  | 3.20  | 3.28  | 0.712      | 0.125  | 1.028              | 35,700                    | 3.43 |                      |      |
|                    | mm    | 19.05            | 11.91  | 12.70        | 5.96  | 40.6   | 42.8  | 81.2  | 83.4  | 18.09      | 3.18   | 26.11              | 16,225                    | 5.11 |                      |      |
| 80H-3              | inch  | 1.000            | 0.625  | 0.625        | 0.313 | 2.01   | 2.16  | 4.02  | 4.17  | 0.950      | 0.156  | 1.283              | 60,900                    | 5.89 |                      |      |
|                    | mm    | 25.40            | 15.88  | 15.88        | 7.94  | 51.0   | 54.9  | 102.1 | 106.0 | 24.13      | 3.96   | 32.59              | 27,680                    | 8.78 |                      |      |
| 100H-3             | inch  | 1.250            | 0.750  | 0.750        | 0.376 | 2.41   | 2.53  | 4.81  | 4.94  | 1.187      | 0.187  | 1.539              | 91,200                    | 8.72 |                      |      |
|                    | mm    | 31.75            | 19.05  | 19.05        | 9.54  | 61.1   | 64.3  | 122.3 | 125.4 | 30.2       | 4.75   | 39.09              | 41,455                    | 13.0 |                      |      |
| 120H-3             | inch  | 1.500            | 0.875  | 1.000        | 0.437 | 3.01   | 3.20  | 6.02  | 6.21  | 1.425      | 0.219  | 1.924              | 123,000                   | 12.6 |                      |      |
|                    | mm    | 38.10            | 22.23  | 25.40        | 11.11 | 76.5   | 81.2  | 152.9 | 157.6 | 36.2       | 5.56   | 48.87              | 55,910                    | 18.7 |                      |      |
| 140H-3             | inch  | 1.750            | 1.000  | 1.000        | 0.500 | 3.20   | 3.40  | 6.40  | 6.60  | 1.662      | 0.250  | 2.055              | 162,000                   | 16.3 |                      |      |
|                    | mm    | 44.45            | 25.40  | 25.40        | 12.71 | 81.3   | 86.3  | 162.5 | 167.5 | 42.2       | 6.35   | 52.20              | 73,635                    | 24.3 |                      |      |
| 160H-3             | inch  | 2.000            | 1.125  | 1.250        | 0.563 | 3.78   | 3.98  | 7.55  | 7.76  | 1.900      | 0.281  | 2.437              | 204,000                   | 21.1 |                      |      |
|                    | mm    | 50.80            | 28.58  | 31.75        | 14.29 | 95.9   | 101.2 | 191.8 | 197.1 | 48.26      | 7.14   | 61.90              | 92,725                    | 31.4 |                      |      |
| 180H-3             | inch  | 2.250            | 1.406  | 1.406        | 0.687 | 4.24   | 4.71  | 8.49  | 8.95  | 2.137      | 0.312  | 2.723              | 249,000                   | 27.2 |                      |      |
|                    | mm    | 57.15            | 35.71  | 35.71        | 17.46 | 107.8  | 119.6 | 215.6 | 227.4 | 54.29      | 7.92   | 69.16              | 113,180                   | 40.5 |                      |      |
| 200H-3             | inch  | 2.500            | 1.562  | 1.500        | 0.781 | 4.80   | 5.02  | 9.60  | 9.82  | 2.375      | 0.375  | 3.083              | 341,400                   | 38.0 |                      |      |
|                    | mm    | 63.50            | 39.67  | 38.10        | 19.85 | 121.9  | 127.4 | 243.8 | 249.3 | 60.32      | 9.53   | 78.31              | 155,180                   | 56.7 |                      |      |

# ASME/ANSI Through Hardened Pin (E) Series Roller Chain

E-Series roller chains possess alloy steel through hardened pins to significantly improve shock load resistance and increase ultimate strength. These chains are often used on heavy construction or mining equipment when superior toughness is required. E-series roller chains operate on standard ASME/ANSI sprockets . . . Hardened teeth are recommended.



Chain Dimensions - Single Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |      |      |      | Side Plate |        | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|------|------|------------|--------|--|--|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |      |      |      | Height     | Thick. |  |  |
|                    |       |                  | R      | W            | D     | L1     | L2   | LR   | LC   | H          | T      |  |  |
| 50E                | inch  | 0.625            | 0.400  | 0.375        | 0.200 | 0.40   | 0.49 | 0.80 | 0.89 | 0.594      | 0.080  | 7,050                                    | 0.72                                   |
|                    | mm    | 15.88            | 10.16  | 9.52         | 5.09  | 10.2   | 12.4 | 20.3 | 22.6 | 15.08      | 2.03   | 3,205                                    | 1.08                                   |
| 60E                | inch  | 0.750            | 0.469  | 0.500        | 0.235 | 0.50   | 0.60 | 1.00 | 1.10 | 0.712      | 0.125  | 9,700                                    | 1.04                                   |
|                    | mm    | 19.05            | 11.91  | 12.70        | 5.96  | 12.7   | 15.3 | 25.4 | 28.0 | 18.09      | 2.39   | 4,410                                    | 1.55                                   |
| 80E                | inch  | 1.000            | 0.625  | 0.625        | 0.313 | 0.65   | 0.80 | 1.30 | 1.45 | 0.950      | 0.125  | 17,700                                   | 1.82                                   |
|                    | mm    | 25.40            | 15.88  | 15.88        | 7.94  | 16.5   | 20.4 | 33.0 | 36.9 | 24.13      | 3.18   | 8,045                                    | 2.71                                   |
| 100E               | inch  | 1.250            | 0.750  | 0.750        | 0.376 | 0.78   | 0.95 | 1.56 | 1.73 | 1.187      | 0.156  | 26,500                                   | 2.76                                   |
|                    | mm    | 31.75            | 19.05  | 19.05        | 9.54  | 19.8   | 24.1 | 39.7 | 44.0 | 30.2       | 3.96   | 12,045                                   | 4.11                                   |
| 120E               | inch  | 1.500            | 0.875  | 1.000        | 0.437 | 1.01   | 1.17 | 2.01 | 2.18 | 1.425      | 0.187  | 39,000                                   | 4.02                                   |
|                    | mm    | 38.10            | 22.23  | 25.40        | 11.11 | 25.5   | 29.8 | 51.1 | 55.4 | 36.2       | 4.75   | 17,725                                   | 5.99                                   |
| 140E               | inch  | 1.750            | 1.000  | 1.000        | 0.500 | 1.07   | 1.27 | 2.15 | 2.34 | 1.662      | 0.219  | 50,500                                   | 5.16                                   |
|                    | mm    | 44.45            | 25.40  | 25.40        | 12.71 | 27.3   | 32.2 | 54.5 | 59.4 | 42.2       | 5.56   | 22,955                                   | 7.70                                   |
| 160E               | inch  | 2.000            | 1.125  | 1.250        | 0.563 | 1.29   | 1.46 | 2.58 | 2.75 | 1.900      | 0.250  | 66,000                                   | 6.50                                   |
|                    | mm    | 50.80            | 28.58  | 31.75        | 14.29 | 32.8   | 37.1 | 65.5 | 69.8 | 48.26      | 6.35   | 30,000                                   | 9.69                                   |
| 180E               | inch  | 2.250            | 1.406  | 1.406        | 0.687 | 1.44   | 1.66 | 2.89 | 3.10 | 2.137      | 0.281  | 81,500                                   | 8.92                                   |
|                    | mm    | 57.15            | 35.71  | 35.71        | 17.46 | 36.6   | 42.1 | 73.3 | 78.8 | 54.29      | 7.14   | 37,045                                   | 13.3                                   |
| 200E               | inch  | 2.500            | 1.562  | 1.500        | 0.781 | 1.59   | 1.82 | 3.18 | 3.41 | 2.375      | 0.312  | 105,000                                  | 11.4                                   |
|                    | mm    | 63.50            | 39.67  | 38.10        | 19.85 | 40.4   | 46.4 | 80.7 | 86.7 | 60.32      | 7.92   | 47,725                                   | 17.0                                   |

## ASME/ANSI Through Hardened Pin (E) Series Roller Chain

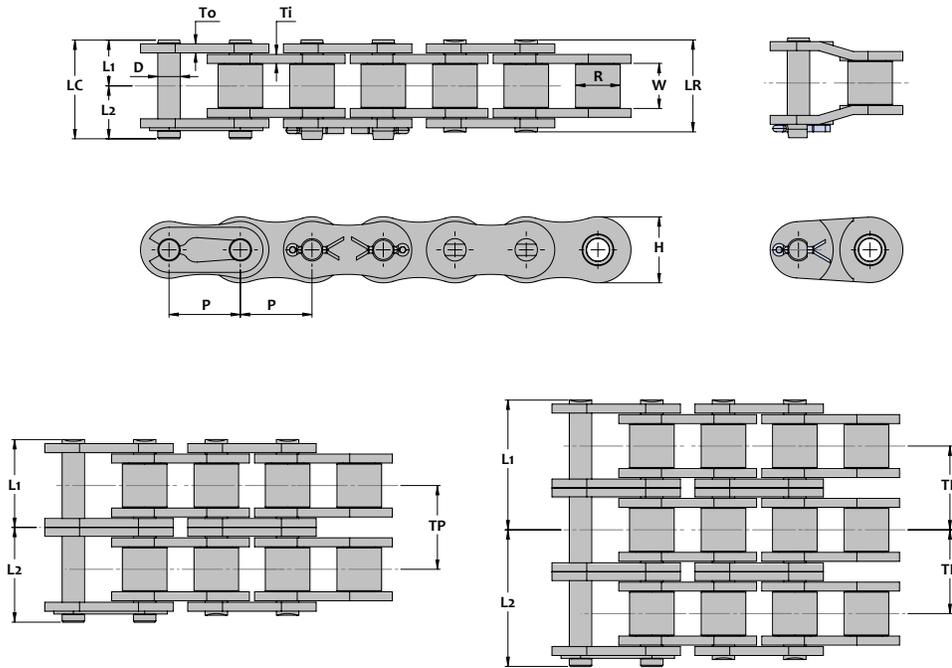
### Chain Dimensions - Double Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |      |       |       | Side Plate |        | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|-------|-------|------------|--------|--------------------|--|--|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |      |       |       | Height     | Thick. |                    |  |  |
|                    |       |                  | R      | W            | D     | L1     | L2   | LR    | LC    | H          | T      |                    |  |  |
| 60E-2              | inch  | 0.750            | 0.469  | 0.500        | 0.235 | 0.95   | 1.05 | 1.90  | 2.00  | 0.712      | 0.125  | 0.897              | 19,400                                   | 2.07                                   |
|                    | mm    | 19.05            | 11.91  | 12.70        | 5.96  | 24.1   | 26.7 | 48.2  | 50.8  | 18.09      | 2.39   | 22.78              | 882                                      | 3.09                                   |
| 80E-2              | inch  | 1.000            | 0.625  | 0.625        | 0.313 | 1.23   | 1.38 | 2.45  | 2.61  | 0.950      | 0.125  | 1.153              | 35,400                                   | 3.62                                   |
|                    | mm    | 25.40            | 15.88  | 15.88        | 7.94  | 31.2   | 35.1 | 62.3  | 66.2  | 24.13      | 3.18   | 29.29              | 16,090                                   | 5.40                                   |
| 100E-2             | inch  | 1.250            | 0.750  | 0.750        | 0.376 | 1.49   | 1.65 | 2.97  | 3.14  | 1.187      | 0.156  | 1.408              | 53,000                                   | 5.47                                   |
|                    | mm    | 31.75            | 19.05  | 19.05        | 9.54  | 37.7   | 42.0 | 75.4  | 79.7  | 30.2       | 3.96   | 35.76              | 24,090                                   | 8.15                                   |
| 120E-2             | inch  | 1.500            | 0.875  | 1.000        | 0.437 | 1.90   | 2.07 | 3.80  | 3.97  | 1.425      | 0.187  | 1.789              | 78,000                                   | 7.99                                   |
|                    | mm    | 38.10            | 22.23  | 25.40        | 11.11 | 48.3   | 52.6 | 96.5  | 100.8 | 36.2       | 4.75   | 45.44              | 35,455                                   | 11.91                                  |
| 140E-2             | inch  | 1.750            | 1.000  | 1.000        | 0.500 | 2.04   | 2.23 | 4.07  | 4.26  | 1.662      | 0.219  | 1.924              | 101,000                                  | 10.29                                  |
|                    | mm    | 44.45            | 25.40  | 25.40        | 12.71 | 51.7   | 56.6 | 103.4 | 108.3 | 42.2       | 5.56   | 48.87              | 45,910                                   | 15.35                                  |
| 160E-2             | inch  | 2.000            | 1.125  | 1.250        | 0.563 | 2.44   | 2.61 | 4.89  | 5.05  | 1.900      | 0.250  | 2.305              | 132,000                                  | 12.89                                  |
|                    | mm    | 50.80            | 28.58  | 31.75        | 14.29 | 62.0   | 66.3 | 124.1 | 128.4 | 48.26      | 6.35   | 58.55              | 60,000                                   | 19.23                                  |
| 180E-2             | inch  | 2.250            | 1.406  | 1.406        | 0.687 | 2.74   | 2.96 | 5.48  | 5.69  | 2.137      | 0.281  | 2.592              | 163,000                                  | 17.71                                  |
|                    | mm    | 57.15            | 35.71  | 35.71        | 17.46 | 69.6   | 75.1 | 139.1 | 144.6 | 54.29      | 7.14   | 65.84              | 74,090                                   | 26.41                                  |
| 200E-2             | inch  | 2.500            | 1.562  | 1.500        | 0.781 | 3.00   | 3.23 | 5.99  | 6.23  | 2.375      | 0.312  | 2.817              | 210,000                                  | 22.76                                  |
|                    | mm    | 63.50            | 39.67  | 38.10        | 19.85 | 76.1   | 82.1 | 152.3 | 158.3 | 60.32      | 7.92   | 71.55              | 95,455                                   | 33.94                                  |

### Chain Dimensions - Triple Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |       |       |       | Side Plate |        | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|-------|-------|-------|------------|--------|--------------------|--|--|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |       |       |       | Height     | Thick. |                    |  |  |
|                    |       |                  | R      | W            | D     | L1     | L2    | LR    | LC    | H          | T      |                    |  |  |
| 60E-3              | inch  | 0.750            | 0.469  | 0.500        | 0.235 | 1.40   | 1.50  | 2.80  | 2.90  | 0.712      | 0.125  | 0.897              | 29,100                                   | 3.10                                   |
|                    | mm    | 19.05            | 11.91  | 12.70        | 5.96  | 35.5   | 38.1  | 71.0  | 73.6  | 18.09      | 2.39   | 22.78              | 13,225                                   | 4.62                                   |
| 80E-3              | inch  | 1.000            | 0.625  | 0.625        | 0.313 | 1.80   | 1.96  | 3.61  | 3.76  | 0.950      | 0.125  | 1.153              | 53,100                                   | 5.42                                   |
|                    | mm    | 25.40            | 15.88  | 15.88        | 7.94  | 45.8   | 49.7  | 91.6  | 95.5  | 24.13      | 3.18   | 29.29              | 24,135                                   | 8.08                                   |
| 100E-3             | inch  | 1.250            | 0.750  | 0.750        | 0.376 | 2.19   | 2.36  | 5.59  | 5.76  | 1.187      | 0.156  | 1.408              | 79,500                                   | 8.19                                   |
|                    | mm    | 31.75            | 19.05  | 19.05        | 9.54  | 55.6   | 59.9  | 111.2 | 115.5 | 30.2       | 3.96   | 35.76              | 36,135                                   | 12.2                                   |
| 120E-3             | inch  | 1.500            | 0.875  | 1.000        | 0.437 | 2.79   | 2.96  | 5.59  | 5.76  | 1.425      | 0.187  | 1.789              | 117,000                                  | 11.9                                   |
|                    | mm    | 38.10            | 22.23  | 25.40        | 11.11 | 71.0   | 75.3  | 141.9 | 146.2 | 36.2       | 4.75   | 45.44              | 53,180                                   | 17.8                                   |
| 140E-3             | inch  | 1.750            | 1.000  | 1.000        | 0.500 | 3.00   | 3.19  | 6.00  | 6.19  | 1.662      | 0.219  | 1.924              | 151,500                                  | 15.4                                   |
|                    | mm    | 44.45            | 25.40  | 25.40        | 12.71 | 76.1   | 81.0  | 152.3 | 157.2 | 42.2       | 5.56   | 48.87              | 68,865                                   | 23.0                                   |
| 160E-3             | inch  | 2.000            | 1.125  | 1.250        | 0.563 | 3.59   | 3.76  | 7.19  | 7.36  | 1.900      | 0.250  | 2.305              | 198,000                                  | 19.3                                   |
|                    | mm    | 50.80            | 28.58  | 31.75        | 14.29 | 91.3   | 95.6  | 182.6 | 186.9 | 48.26      | 6.35   | 58.55              | 90,000                                   | 28.8                                   |
| 180E-3             | inch  | 2.250            | 1.406  | 1.406        | 0.687 | 4.03   | 4.25  | 8.07  | 8.29  | 2.137      | 0.281  | 2.592              | 244,500                                  | 26.5                                   |
|                    | mm    | 57.15            | 35.71  | 35.71        | 17.46 | 102.5  | 108.0 | 205.0 | 210.5 | 54.29      | 7.14   | 65.84              | 111,135                                  | 39.5                                   |
| 200E-3             | inch  | 2.500            | 1.562  | 1.500        | 0.781 | 4.41   | 4.64  | 8.81  | 9.05  | 2.375      | 0.312  | 2.817              | 315,000                                  | 34.1                                   |
|                    | mm    | 63.50            | 39.67  | 38.10        | 19.85 | 111.9  | 117.9 | 223.8 | 229.8 | 60.32      | 7.92   | 71.55              | 143,180                                  | 50.9                                   |

# ISO British Standard Through Hardened Pin (E) Roller Chain



## Chain Dimensions - Single Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller   |                   |          | Pin    |      |      |       | Side Plate  |           | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |      |
|--------------------|-------|------------------|----------|-------------------|----------|--------|------|------|-------|-------------|-----------|--|--|------|
|                    |       |                  | Dia<br>R | Inside Width<br>W | Dia<br>D | Length |      |      |       | Height<br>H | Thickness |  |  |      |
|                    |       |                  |          |                   |          | L1     | L2   | LR   | LC    |             | To        |  |  | Ti   |
| 10BE               | inch  | 0.625            | 0.400    | 0.380             | 0.200    | 0.39   | 0.48 | 0.78 | 0.87  | 0.580       | 0.067     | 6,390                                    | 0.66                                   |      |
|                    | mm    | 15.88            | 10.16    | 9.65              | 5.08     | 9.9    | 12.3 | 19.7 | 22.1  | 14.73       | 1.71      | 2,905                                    | 0.98                                   |      |
| 12BE               | inch  | 0.750            | 0.475    | 0.460             | 0.225    | 0.44   | 0.57 | 0.89 | 1.02  | 0.635       | 0.073     | 7,390                                    | 0.84                                   |      |
|                    | mm    | 19.05            | 12.07    | 11.68             | 5.72     | 11.3   | 14.6 | 22.5 | 25.8  | 16.13       | 1.86      | 3,360                                    | 1.25                                   |      |
| 16BE               | inch  | 1.000            | 0.625    | 0.670             | 0.326    | 0.71   | 0.83 | 1.43 | 1.54  | 0.830       | 0.125     | 0.157                                    | 17,640                                 | 1.90 |
|                    | mm    | 25.40            | 15.88    | 17.02             | 8.28     | 18.1   | 21.1 | 36.2 | 39.2  | 21.08       | 3.18      | 3.99                                     | 8,020                                  | 2.83 |
| 20BE               | inch  | 1.250            | 0.750    | 0.770             | 0.400    | 0.79   | 0.96 | 1.58 | 1.75  | 1.040       | 0.125     | 0.176                                    | 26,680                                 | 2.62 |
|                    | mm    | 31.75            | 19.05    | 19.56             | 10.19    | 20.1   | 24.4 | 40.2 | 44.5  | 26.42       | 3.18      | 4.46                                     | 12,125                                 | 3.90 |
| 24BE               | inch  | 1.500            | 1.000    | 1.000             | 0.576    | 1.07   | 1.27 | 2.13 | 2.33  | 1.315       | 0.189     | 0.236                                    | 43,210                                 | 4.83 |
|                    | mm    | 38.10            | 25.40    | 25.40             | 14.63    | 27.1   | 32.2 | 54.1 | 59.2  | 33.40       | 4.80      | 6.00                                     | 19,640                                 | 7.21 |
| 28BE               | inch  | 1.750            | 1.100    | 1.220             | 0.626    | 1.30   | 1.47 | 2.59 | 2.77  | 1.460       | 0.236     | 0.287                                    | 59,300                                 | 6.42 |
|                    | mm    | 44.45            | 27.94    | 30.99             | 15.90    | 33.0   | 37.5 | 65.9 | 70.4  | 37.08       | 6.00      | 7.30                                     | 26,955                                 | 9.58 |
| 32BE               | inch  | 2.000            | 1.150    | 1.220             | 0.701    | 1.31   | 1.50 | 2.61 | 2.81  | 1.665       | 0.236     | 0.276                                    | 65,920                                 | 6.69 |
|                    | mm    | 50.80            | 29.21    | 30.99             | 17.81    | 33.2   | 38.2 | 66.3 | 71.3  | 42.29       | 6.00      | 7.00                                     | 29,965                                 | 9.97 |
| 40BE               | inch  | 2.500            | 1.550    | 1.500             | 0.900    | 1.63   | 2.03 | 3.25 | 3.65  | 2.085       | 0.315     | 0.323                                    | 93,700                                 | 10.9 |
|                    | mm    | 63.50            | 39.37    | 38.10             | 22.89    | 41.3   | 51.5 | 82.6 | 92.8  | 52.96       | 8.00      | 8.20                                     | 42,590                                 | 16.3 |
| 48BE               | inch  | 3.000            | 1.900    | 1.800             | 1.150    | 1.95   | 2.36 | 3.90 | 4.31  | 2.515       | 0.374     | 0.472                                    | 141,100                                | 16.8 |
|                    | mm    | 76.20            | 48.26    | 45.72             | 29.24    | 49.6   | 60.1 | 99.1 | 109.6 | 63.88       | 9.50      | 12.0                                     | 64,135                                 | 25.0 |

## ISO British Standard Through Hardened Pin (E) Roller Chain

### Chain Dimensions - Double Strand

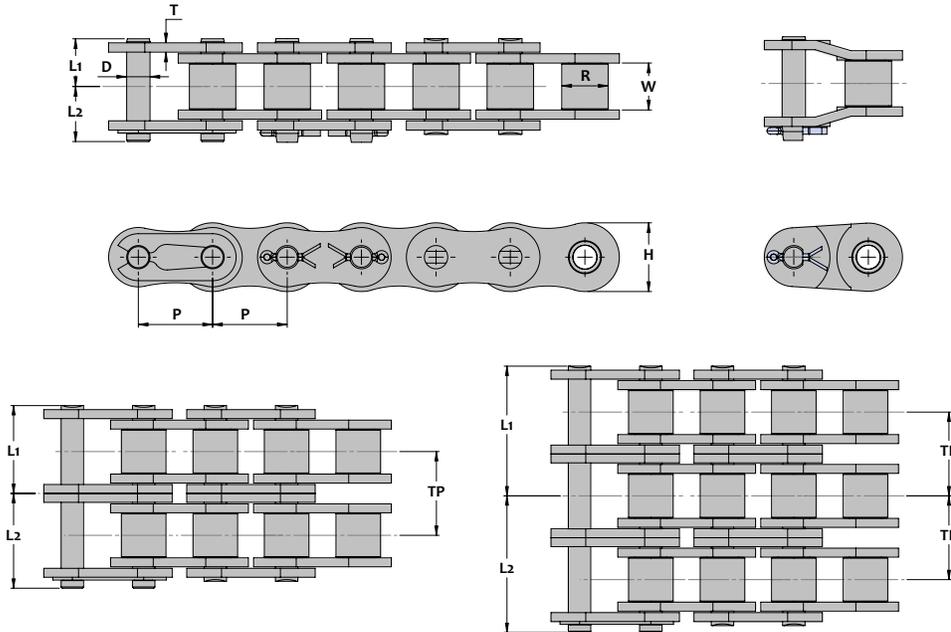
| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |                   | Pin   |        |       |       |       | Side Plate |           | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |      |
|--------------------|-------|------------------|--------|-------------------|-------|--------|-------|-------|-------|------------|-----------|--------------------|--|--|------|
|                    |       |                  | Dia    | Inside Width<br>W | Dia   | Length |       |       |       | Height     | Thickness |                    |  |  |      |
|                    |       |                  | R      | D                 | L1    | L2     | LR    | LC    | H     | To         | Ti        |                    |  |  |      |
| 12BE-2             | inch  | 0.750            | 0.475  | 0.460             | 0.225 | 0.84   | 0.95  | 1.67  | 1.78  | 0.635      | 0.073     |                    | 0.766                                    | 14,770                                 | 1.54 |
|                    | mm    | 19.05            | 12.07  | 11.68             | 5.72  | 21.2   | 24.0  | 42.5  | 45.3  | 16.13      | 1.86      |                    | 19.46                                    | 6,715                                  | 2.30 |
| 16BE-2             | inch  | 1.000            | 0.625  | 0.670             | 0.326 | 1.34   | 1.41  | 2.69  | 2.75  | 0.830      | 0.125     | 0.157              | 1.255                                    | 35,270                                 | 3.55 |
|                    | mm    | 25.40            | 15.88  | 17.02             | 8.28  | 34.1   | 35.8  | 68.2  | 69.9  | 21.08      | 3.18      | 3.99               | 31.88                                    | 16,030                                 | 5.30 |
| 20BE-2             | inch  | 1.250            | 0.750  | 0.770             | 0.400 | 1.51   | 1.66  | 3.02  | 3.17  | 1.040      | 0.125     | 0.176              | 1.435                                    | 53,350                                 | 4.87 |
|                    | mm    | 31.75            | 19.05  | 19.56             | 10.19 | 38.4   | 42.2  | 76.8  | 80.6  | 26.42      | 3.18      | 4.46               | 38.45                                    | 24,250                                 | 7.26 |
| 24BE-2             | inch  | 1.500            | 1.000  | 1.000             | 0.576 | 2.00   | 2.24  | 4.01  | 4.24  | 1.315      | 0.189     | 0.236              | 1.904                                    | 86,420                                 | 9.39 |
|                    | mm    | 38.10            | 25.40  | 25.40             | 14.63 | 50.9   | 56.8  | 101.7 | 107.6 | 33.40      | 4.80      | 6.00               | 48.36                                    | 39,280                                 | 14.0 |
| 28BE-2             | inch  | 1.750            | 1.100  | 1.220             | 0.626 | 2.47   | 2.66  | 4.94  | 5.13  | 1.460      | 0.236     | 0.287              | 2.345                                    | 118,610                                | 12.1 |
|                    | mm    | 44.45            | 27.94  | 30.99             | 15.90 | 62.7   | 67.5  | 125.4 | 130.2 | 37.08      | 6.00      | 7.30               | 59.56                                    | 53,915                                 | 18.1 |
| 32BE-2             | inch  | 2.000            | 1.150  | 1.220             | 0.701 | 2.46   | 2.66  | 4.91  | 5.11  | 1.665      | 0.236     | 0.276              | 2.305                                    | 131,840                                | 13.8 |
|                    | mm    | 50.80            | 29.21  | 30.99             | 17.81 | 62.4   | 67.5  | 124.8 | 129.9 | 42.29      | 6.00      | 7.00               | 58.55                                    | 59,925                                 | 20.5 |
| 40BE-2             | inch  | 2.500            | 1.550  | 1.500             | 0.900 | 3.05   | 3.45  | 6.10  | 6.50  | 2.085      | 0.315     | 0.323              | 2.846                                    | 187,390                                | 21.5 |
|                    | mm    | 63.50            | 39.37  | 38.10             | 22.89 | 77.5   | 87.7  | 154.9 | 165.1 | 52.96      | 8.00      | 8.20               | 72.29                                    | 85,175                                 | 32.0 |
| 48BE-2             | inch  | 3.000            | 1.900  | 1.800             | 1.150 | 3.75   | 4.16  | 7.50  | 7.91  | 2.515      | 0.374     | 0.472              | 3.591                                    | 282,190                                | 33.5 |
|                    | mm    | 76.20            | 48.26  | 45.72             | 29.24 | 95.2   | 105.7 | 190.4 | 200.9 | 63.88      | 9.50      | 12.0               | 91.21                                    | 128,270                                | 50.0 |

### Chain Dimensions - Triple Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |                   | Pin   |        |       |       |       | Side Plate |           | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |      |
|--------------------|-------|------------------|--------|-------------------|-------|--------|-------|-------|-------|------------|-----------|--------------------|--|--|------|
|                    |       |                  | Dia    | Inside Width<br>W | Dia   | Length |       |       |       | Height     | Thickness |                    |  |  |      |
|                    |       |                  | R      | D                 | L1    | L2     | LR    | LC    | H     | To         | Ti        |                    |  |  |      |
| 12BE-3             | inch  | 0.750            | 0.475  | 0.460             | 0.225 | 1.22   | 1.34  | 2.44  | 2.56  | 0.635      | 0.073     |                    | 0.766                                    | 22,160                                 | 2.28 |
|                    | mm    | 19.05            | 12.07  | 11.68             | 5.72  | 31.0   | 34.0  | 62.0  | 65.0  | 16.13      | 1.86      |                    | 19.46                                    | 10,075                                 | 3.40 |
| 16BE-3             | inch  | 1.000            | 0.625  | 0.670             | 0.326 | 1.97   | 2.10  | 3.94  | 4.08  | 0.830      | 0.125     | 0.157              | 1.255                                    | 52,910                                 | 5.16 |
|                    | mm    | 25.40            | 15.88  | 17.02             | 8.28  | 50.1   | 53.5  | 100.1 | 103.5 | 21.08      | 3.18      | 3.99               | 31.88                                    | 24,050                                 | 7.70 |
| 20BE-3             | inch  | 1.250            | 0.750  | 0.770             | 0.400 | 2.23   | 2.41  | 4.46  | 4.64  | 1.040      | 0.125     | 0.176              | 1.435                                    | 80,030                                 | 7.28 |
|                    | mm    | 31.75            | 19.05  | 19.56             | 10.19 | 56.6   | 61.2  | 113.2 | 117.8 | 26.42      | 3.18      | 4.46               | 38.45                                    | 36,375                                 | 10.9 |
| 24BE-3             | inch  | 1.500            | 1.000  | 1.000             | 0.576 | 2.97   | 3.18  | 5.93  | 6.14  | 1.315      | 0.189     | 0.236              | 1.904                                    | 129,630                                | 14.1 |
|                    | mm    | 38.10            | 25.40  | 25.40             | 14.63 | 75.4   | 80.7  | 150.7 | 156.0 | 33.40      | 4.80      | 6.00               | 48.36                                    | 58,925                                 | 21.0 |
| 28BE-3             | inch  | 1.750            | 1.100  | 1.220             | 0.626 | 3.64   | 3.83  | 7.28  | 7.47  | 1.460      | 0.236     | 0.287              | 2.345                                    | 177,910                                | 17.8 |
|                    | mm    | 44.45            | 27.94  | 30.99             | 15.90 | 92.5   | 97.3  | 185.0 | 189.8 | 37.08      | 6.00      | 7.30               | 59.56                                    | 80,870                                 | 26.6 |
| 32BE-3             | inch  | 2.000            | 1.150  | 1.220             | 0.701 | 3.61   | 3.81  | 7.22  | 7.42  | 1.665      | 0.236     | 0.276              | 2.305                                    | 197,750                                | 21.5 |
|                    | mm    | 50.80            | 29.21  | 30.99             | 17.81 | 91.7   | 96.7  | 183.4 | 188.4 | 42.29      | 6.00      | 7.00               | 58.55                                    | 89,885                                 | 32.0 |
| 40BE-3             | inch  | 2.500            | 1.550  | 1.500             | 0.900 | 4.47   | 4.87  | 8.94  | 9.35  | 2.085      | 0.315     | 0.323              | 2.846                                    | 281,090                                | 31.9 |
|                    | mm    | 63.50            | 39.37  | 38.10             | 22.89 | 113.6  | 123.8 | 227.2 | 237.4 | 52.96      | 8.00      | 8.20               | 72.29                                    | 127,770                                | 47.5 |
| 48BE-3             | inch  | 3.000            | 1.900  | 1.800             | 1.150 | 5.54   | 5.96  | 11.09 | 11.50 | 2.515      | 0.374     | 0.472              | 3.591                                    | 423,290                                | 50.3 |
|                    | mm    | 76.20            | 48.26  | 45.72             | 29.24 | 140.8  | 151.3 | 281.6 | 292.1 | 63.88      | 9.50      | 12.0               | 91.21                                    | 192,405                                | 75.0 |

# ASME/ANSI Heavy-Through Hardened Pin (HE) Roller Chain

HE-Series roller chains possess alloy steel through hardened pins and one size thicker link plates for maximum toughness. A combination of the features found in the Heavy (H-Series) and E-Series chains provide reliable performance in the toughest applications. Single strand chains operate over standard ASME/ANSI sprockets (hardened teeth recommended), however multiple strand chains require special sprockets due to their increased transverse pitch.



Chain Dimensions - Single Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |      |      |      | Side Plate |        | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|------|------|------------|--------|--|--|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |      |      |      | Height     | Thick. |  |  |
|                    |       |                  | R      | W            | D     | L1     | L2   | LR   | LC   | H          | T      |  |  |
| 50HE               | inch  | 0.625            | 0.400  | 0.375        | 0.200 | 0.44   | 0.53 | 0.87 | 0.96 | 0.594      | 0.080  | 8,820                                    | 0.76                                   |
|                    | mm    | 15.88            | 10.16  | 9.52         | 5.09  | 11.1   | 13.4 | 22.1 | 24.4 | 15.08      | 2.03   | 4,010                                    | 1.14                                   |
| 60HE               | inch  | 0.750            | 0.469  | 0.500        | 0.235 | 0.57   | 0.67 | 1.13 | 1.21 | 0.712      | 0.125  | 12,150                                   | 1.16                                   |
|                    | mm    | 19.05            | 11.91  | 12.70        | 5.96  | 14.4   | 16.9 | 28.8 | 30.8 | 18.09      | 2.39   | 5,525                                    | 1.73                                   |
| 80HE               | inch  | 1.000            | 0.625  | 0.625        | 0.313 | 0.71   | 0.89 | 1.43 | 1.60 | 0.950      | 0.125  | 21,800                                   | 1.99                                   |
|                    | mm    | 25.40            | 15.88  | 15.88        | 7.94  | 18.2   | 22.6 | 36.3 | 40.7 | 24.13      | 3.18   | 9,910                                    | 2.97                                   |
| 100HE              | inch  | 1.250            | 0.750  | 0.750        | 0.376 | 0.86   | 1.00 | 1.72 | 1.86 | 1.187      | 0.156  | 31,000                                   | 3.01                                   |
|                    | mm    | 31.75            | 19.05  | 19.05        | 9.54  | 21.8   | 25.3 | 43.7 | 47.2 | 30.2       | 3.96   | 14,090                                   | 4.49                                   |
| 120HE              | inch  | 1.500            | 0.875  | 1.000        | 0.437 | 1.07   | 1.26 | 2.14 | 2.34 | 1.425      | 0.187  | 42,000                                   | 4.20                                   |
|                    | mm    | 38.10            | 22.23  | 25.40        | 11.11 | 27.2   | 32.1 | 54.5 | 59.4 | 36.2       | 4.75   | 19,090                                   | 6.26                                   |
| 140HE              | inch  | 1.750            | 1.000  | 1.000        | 0.500 | 1.14   | 1.35 | 2.29 | 2.49 | 1.662      | 0.219  | 55,000                                   | 5.47                                   |
|                    | mm    | 44.45            | 25.40  | 25.40        | 12.71 | 29.1   | 34.2 | 58.1 | 63.2 | 42.2       | 5.56   | 25,000                                   | 8.15                                   |
| 160HE              | inch  | 2.000            | 1.125  | 1.250        | 0.563 | 1.34   | 1.55 | 2.68 | 2.88 | 1.900      | 0.250  | 71,000                                   | 7.09                                   |
|                    | mm    | 50.80            | 28.58  | 31.75        | 14.29 | 34.0   | 39.3 | 68.0 | 73.3 | 48.26      | 6.35   | 32,275                                   | 10.6                                   |
| 180HE              | inch  | 2.250            | 1.406  | 1.406        | 0.687 | 1.52   | 1.74 | 3.04 | 3.26 | 2.137      | 0.281  | 97,000                                   | 9.19                                   |
|                    | mm    | 57.15            | 35.71  | 35.71        | 17.46 | 38.6   | 44.1 | 77.3 | 82.8 | 54.29      | 7.14   | 44,090                                   | 13.7                                   |
| 200HE              | inch  | 2.500            | 1.562  | 1.500        | 0.781 | 1.72   | 1.93 | 3.43 | 3.65 | 2.375      | 0.312  | 115,000                                  | 12.8                                   |
|                    | mm    | 63.50            | 39.67  | 38.10        | 19.85 | 43.6   | 49.1 | 87.1 | 92.7 | 60.32      | 7.92   | 52,275                                   | 19.1                                   |

## ASME/ANSI Heavy-Through Hardened Pin (HE) Roller Chain

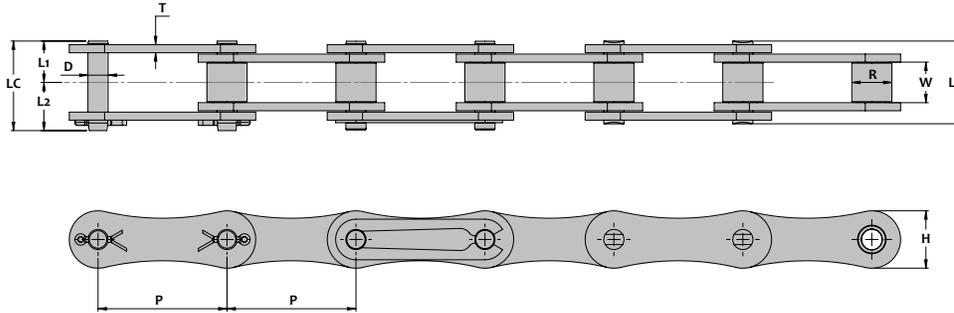
### Chain Dimensions - Double Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |      |       |       | Side Plate |        | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|-------|-------|------------|--------|--------------------|--|--|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |      |       |       | Height     | Thick. |                    |  |  |
|                    |       |                  | R      | W            | D     | L1     | L2   | LR    | LC    | H          | T      |                    |  |  |
| 60HE-2             | inch  | 0.750            | 0.469  | 0.500        | 0.235 | 1.08   | 1.17 | 2.17  | 2.26  | 0.712      | 0.125  | 1.028              | 24,300                                   | 2.30                                   |
|                    | mm    | 19.05            | 11.91  | 12.70        | 5.96  | 27.6   | 29.8 | 55.1  | 57.3  | 18.09      | 3.18   | 26.11              | 11,045                                   | 3.43                                   |
| 80HE-2             | inch  | 1.000            | 0.625  | 0.625        | 0.313 | 1.37   | 1.52 | 2.74  | 2.89  | 0.950      | 0.156  | 1.283              | 43,600                                   | 3.96                                   |
|                    | mm    | 25.40            | 15.88  | 15.88        | 7.94  | 34.8   | 38.7 | 69.5  | 73.4  | 24.13      | 3.96   | 32.59              | 19,820                                   | 5.91                                   |
| 100HE-2            | inch  | 1.250            | 0.750  | 0.750        | 0.376 | 1.64   | 1.76 | 3.27  | 3.40  | 1.187      | 0.187  | 1.539              | 62,000                                   | 5.87                                   |
|                    | mm    | 31.75            | 19.05  | 19.05        | 9.54  | 41.6   | 44.8 | 83.2  | 86.4  | 30.2       | 4.75   | 39.09              | 28,180                                   | 8.75                                   |
| 120HE-2            | inch  | 1.500            | 0.875  | 1.000        | 0.437 | 2.05   | 2.23 | 4.10  | 4.28  | 1.425      | 0.219  | 1.924              | 84,000                                   | 8.38                                   |
|                    | mm    | 38.10            | 22.23  | 25.40        | 11.11 | 52.0   | 56.7 | 104.1 | 108.8 | 36.2       | 5.56   | 48.87              | 38,180                                   | 12.5                                   |
| 140HE-2            | inch  | 1.750            | 1.000  | 1.000        | 0.500 | 2.17   | 2.37 | 4.34  | 4.54  | 1.662      | 0.250  | 2.055              | 110,000                                  | 10.9                                   |
|                    | mm    | 44.45            | 25.40  | 25.40        | 12.71 | 55.2   | 60.2 | 110.3 | 115.3 | 42.2       | 6.35   | 52.20              | 50,000                                   | 16.2                                   |
| 160HE-2            | inch  | 2.000            | 1.125  | 1.250        | 0.563 | 2.56   | 2.76 | 5.11  | 5.32  | 1.900      | 0.281  | 2.437              | 142,000                                  | 14.1                                   |
|                    | mm    | 50.80            | 28.58  | 31.75        | 14.29 | 65.0   | 70.2 | 129.9 | 135.2 | 48.26      | 7.14   | 61.90              | 64,545                                   | 21.1                                   |
| 180HE-2            | inch  | 2.250            | 1.406  | 1.406        | 0.687 | 2.88   | 3.35 | 5.76  | 6.23  | 2.137      | 0.312  | 2.723              | 194,000                                  | 18.2                                   |
|                    | mm    | 57.15            | 35.71  | 35.71        | 17.46 | 73.2   | 85.0 | 146.4 | 158.2 | 54.29      | 7.92   | 69.16              | 88,180                                   | 27.1                                   |
| 200HE-2            | inch  | 2.500            | 1.562  | 1.500        | 0.781 | 3.26   | 3.48 | 6.51  | 6.73  | 2.375      | 0.375  | 3.083              | 230,000                                  | 25.4                                   |
|                    | mm    | 63.50            | 39.67  | 38.10        | 19.85 | 82.7   | 88.3 | 165.4 | 171.0 | 60.32      | 9.53   | 78.31              | 104,545                                  | 37.9                                   |

### Chain Dimensions - Triple Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |       |       |       | Side Plate |        | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|-------|-------|-------|------------|--------|--------------------|--|--|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |       |       |       | Height     | Thick. |                    |  |  |
|                    |       |                  | R      | W            | D     | L1     | L2    | LR    | LC    | H          | T      |                    |  |  |
| 60HE-3             | inch  | 0.750            | 0.469  | 0.500        | 0.235 | 1.60   | 1.69  | 3.20  | 3.28  | 0.712      | 0.125  | 1.028              | 36,450                                   | 3.43                                   |
|                    | mm    | 19.05            | 11.91  | 12.70        | 5.96  | 40.6   | 42.8  | 81.2  | 83.4  | 18.09      | 3.18   | 26.11              | 16,570                                   | 5.11                                   |
| 80HE-3             | inch  | 1.000            | 0.625  | 0.625        | 0.313 | 2.01   | 2.16  | 4.02  | 4.17  | 0.950      | 0.156  | 1.283              | 65,400                                   | 5.89                                   |
|                    | mm    | 25.40            | 15.88  | 15.88        | 7.94  | 51.0   | 54.9  | 102.1 | 106.0 | 24.13      | 3.96   | 32.59              | 29,725                                   | 8.78                                   |
| 100HE-3            | inch  | 1.250            | 0.750  | 0.750        | 0.376 | 2.41   | 2.53  | 4.81  | 4.94  | 1.187      | 0.187  | 1.539              | 93,000                                   | 8.72                                   |
|                    | mm    | 31.75            | 19.05  | 19.05        | 9.54  | 61.1   | 64.3  | 122.3 | 125.4 | 30.2       | 4.75   | 39.09              | 42,275                                   | 13.0                                   |
| 120HE-3            | inch  | 1.500            | 0.875  | 1.000        | 0.437 | 3.01   | 3.20  | 6.02  | 6.21  | 1.425      | 0.219  | 1.924              | 126,000                                  | 12.6                                   |
|                    | mm    | 38.10            | 22.23  | 25.40        | 11.11 | 76.5   | 81.2  | 152.9 | 157.6 | 36.2       | 5.56   | 48.87              | 57,275                                   | 18.7                                   |
| 140HE-3            | inch  | 1.750            | 1.000  | 1.000        | 0.500 | 3.20   | 3.40  | 6.40  | 6.60  | 1.662      | 0.250  | 2.055              | 165,000                                  | 16.3                                   |
|                    | mm    | 44.45            | 25.40  | 25.40        | 12.71 | 81.3   | 86.3  | 162.5 | 167.5 | 42.2       | 6.35   | 52.20              | 75,000                                   | 24.3                                   |
| 160HE-3            | inch  | 2.000            | 1.125  | 1.250        | 0.563 | 3.78   | 3.98  | 7.55  | 7.76  | 1.900      | 0.281  | 2.437              | 213,000                                  | 21.1                                   |
|                    | mm    | 50.80            | 28.58  | 31.75        | 14.29 | 95.9   | 101.2 | 191.8 | 197.1 | 48.26      | 7.14   | 61.90              | 96,820                                   | 31.4                                   |
| 180HE-3            | inch  | 2.250            | 1.406  | 1.406        | 0.687 | 4.24   | 4.71  | 8.49  | 8.95  | 2.137      | 0.312  | 2.723              | 291,000                                  | 27.2                                   |
|                    | mm    | 57.15            | 35.71  | 35.71        | 17.46 | 107.8  | 119.6 | 215.6 | 227.4 | 54.29      | 7.92   | 69.16              | 132,275                                  | 40.5                                   |
| 200HE-3            | inch  | 2.500            | 1.562  | 1.500        | 0.781 | 4.80   | 5.02  | 9.60  | 9.82  | 2.375      | 0.375  | 3.083              | 345,000                                  | 38.0                                   |
|                    | mm    | 63.50            | 39.67  | 38.10        | 19.85 | 121.9  | 127.4 | 243.8 | 249.3 | 60.32      | 9.53   | 78.31              | 156,820                                  | 56.7                                   |

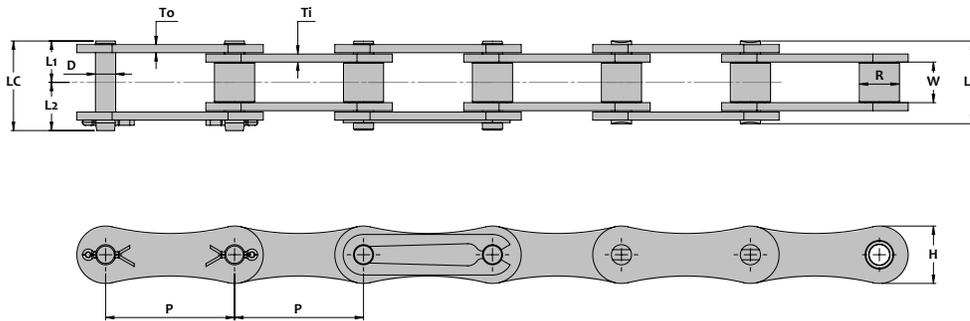
# ASME/ANSI Transmission Series Double Pitch Roller Chain



Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |      |      |      | Side Plate |        | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|------|------|------------|--------|--|-----------------------------------|--|
|                    |       |                  | Dia.   | Inside Width | Dia.  | Length |      |      |      | Height     | Thick. |  |                                   |  |
|                    |       |                  | R      | W            | D     | L1     | L2   | LR   | LC   | H          | T      |  |                                   |  |
| A2040              | inch  | 1.000            | 0.312  | 0.313        | 0.157 | 0.32   | 0.41 | 0.65 | 0.73 | 0.475      | 0.060  | 3,800                                    | 660                               | 0.27                                   |
|                    | mm    | 25.40            | 7.92   | 7.95         | 3.98  | 8.2    | 10.3 | 16.4 | 18.5 | 12.06      | 1.5    | 1,725                                    | 300                               | 0.41                                   |
| A2050              | inch  | 1.250            | 0.400  | 0.375        | 0.200 | 0.40   | 0.49 | 0.80 | 0.89 | 0.594      | 0.080  | 6,100                                    | 990                               | 0.46                                   |
|                    | mm    | 31.75            | 10.16  | 9.53         | 5.08  | 10.2   | 12.4 | 20.3 | 22.6 | 15.08      | 2.0    | 2,775                                    | 450                               | 0.68                                   |
| A2060              | inch  | 1.500            | 0.469  | 0.500        | 0.234 | 0.50   | 0.60 | 1.00 | 1.10 | 0.712      | 0.094  | 9,000                                    | 1,430                             | 0.64                                   |
|                    | mm    | 38.10            | 11.91  | 12.70        | 5.96  | 12.7   | 15.3 | 25.4 | 28.0 | 18.09      | 2.4    | 4,090                                    | 650                               | 0.95                                   |
| A2080              | inch  | 2.000            | 0.625  | 0.625        | 0.312 | 0.65   | 0.80 | 1.30 | 1.45 | 0.950      | 0.126  | 15,200                                   | 2,430                             | 1.17                                   |
|                    | mm    | 50.80            | 15.88  | 15.88        | 7.94  | 16.5   | 20.4 | 33.0 | 36.9 | 24.13      | 3.2    | 6,910                                    | 1,105                             | 1.75                                   |

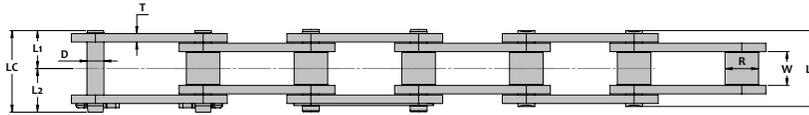
# ISO British Standard Double Pitch Roller Chain



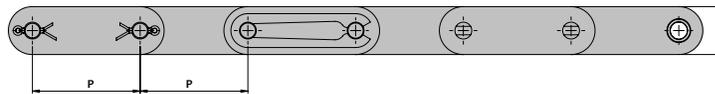
Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |      |      |      | Side Plate |           |       | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|------|------|------------|-----------|-------|--|--|
|                    |       |                  | Dia.   | Inside Width | Dia.  | Length |      |      |      | Height     | Thickness |       |  |  |
|                    |       |                  | R      | W            | D     | L1     | L2   | LR   | LC   | H          | To        | Ti    |  |  |
| A208B              | inch  | 1.000            | 0.335  | 0.305        | 0.175 | 0.32   | 0.41 | 0.65 | 0.73 | 0.465      | 0.059     | 0.062 | 4,230                                    | 0.30                                   |
|                    | mm    | 25.40            | 8.51   | 7.75         | 4.45  | 8.2    | 10.3 | 16.4 | 18.5 | 11.81      | 1.49      | 1.58  | 1,925                                    | 0.44                                   |
| A210B              | inch  | 1.250            | 0.400  | 0.380        | 0.200 | 0.39   | 0.48 | 0.78 | 0.87 | 0.580      | 0.067     |       | 6,000                                    | 0.44                                   |
|                    | mm    | 31.75            | 10.16  | 9.65         | 5.08  | 9.9    | 12.3 | 19.7 | 22.1 | 14.73      | 1.71      |       | 2,725                                    | 0.66                                   |
| A212B              | inch  | 1.500            | 0.475  | 0.460        | 0.225 | 0.44   | 0.57 | 0.89 | 1.02 | 0.635      | 0.073     |       | 7,230                                    | 0.52                                   |
|                    | mm    | 38.10            | 12.07  | 11.68        | 5.72  | 11.3   | 14.6 | 22.5 | 25.8 | 16.13      | 1.86      |       | 3,285                                    | 0.78                                   |
| A216B              | inch  | 2.000            | 0.625  | 0.670        | 0.326 | 0.71   | 0.83 | 1.43 | 1.54 | 0.830      | 0.125     | 0.157 | 17,110                                   | 1.12                                   |
|                    | mm    | 50.80            | 15.88  | 17.02        | 8.28  | 18.1   | 21.1 | 36.2 | 39.2 | 21.08      | 3.18      | 3.99  | 7,775                                    | 1.67                                   |

## ASME/ANSI Conveyor Series Double Pitch Roller Chain



Standard Roller



Large Roller

### Chain Dimensions - Standard Roller

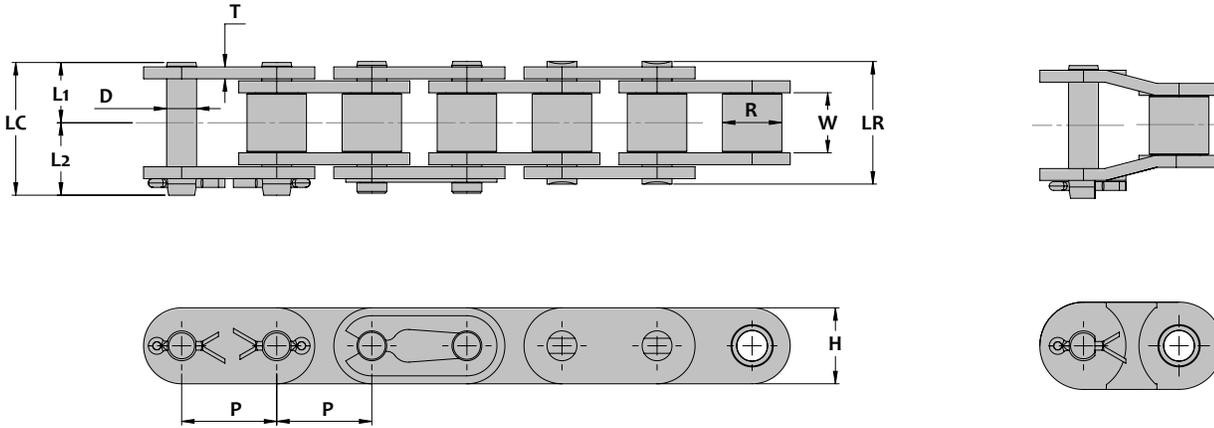
| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller   |                   | Dia<br>D | Pin    |             |             |      | Side Plate |       | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|----------|-------------------|----------|--------|-------------|-------------|------|------------|-------|--|-----------------------------------|--|
|                    |       |                  | Dia<br>R | Inside Width<br>W |          | Length | Height<br>H | Thick.<br>T |      |            |       |  |                                   |  |
|                    |       |                  |          |                   |          |        |             |             | L1   | L2         | LR    |  |                                   |  |
| C2040              | inch  | 1.000            | 0.312    | 0.313             | 0.156    | 0.32   | 0.41        | 0.65        | 0.73 | 0.440      | 0.060 | 3,800                                    | 660                               | 0.32                                   |
|                    | mm    | 25.40            | 7.92     | 7.95              | 3.96     | 8.2    | 10.3        | 16.4        | 18.5 | 11.17      | 1.5   | 1,727                                    | 300                               | 0.47                                   |
| C2050              | inch  | 1.250            | 0.400    | 0.375             | 0.200    | 0.40   | 0.49        | 0.80        | 0.89 | 0.545      | 0.080 | 6,100                                    | 990                               | 0.54                                   |
|                    | mm    | 31.75            | 10.16    | 9.53              | 5.08     | 10.2   | 12.4        | 20.3        | 22.6 | 13.84      | 2.0   | 2,775                                    | 450                               | 0.80                                   |
| C2060H             | inch  | 1.500            | 0.469    | 0.500             | 0.234    | 0.57   | 0.67        | 1.13        | 1.23 | 0.712      | 0.126 | 9,000                                    | 1,540                             | 0.95                                   |
|                    | mm    | 38.10            | 11.91    | 12.70             | 5.95     | 14.4   | 16.9        | 28.8        | 31.3 | 18.09      | 3.2   | 4,090                                    | 700                               | 1.41                                   |
| C2080H             | inch  | 2.000            | 0.625    | 0.625             | 0.312    | 0.71   | 0.89        | 1.43        | 1.60 | 0.950      | 0.157 | 15,200                                   | 2,650                             | 1.60                                   |
|                    | mm    | 50.80            | 15.88    | 15.88             | 7.93     | 18.2   | 22.6        | 36.3        | 40.7 | 24.13      | 4.0   | 6,910                                    | 1,205                             | 2.38                                   |
| C2100H             | inch  | 2.500            | 0.750    | 0.750             | 0.375    | 0.86   | 1.00        | 1.72        | 1.86 | 1.187      | 0.189 | 24,300                                   | 4,080                             | 2.45                                   |
|                    | mm    | 63.50            | 19.05    | 19.05             | 9.53     | 21.8   | 25.3        | 43.7        | 47.2 | 30.16      | 4.8   | 11,045                                   | 1,855                             | 3.66                                   |
| C2120H             | inch  | 3.000            | 0.875    | 1.000             | 0.437    | 1.07   | 1.26        | 2.14        | 2.34 | 1.369      | 0.220 | 34,000                                   | 5,510                             | 3.47                                   |
|                    | mm    | 76.20            | 22.23    | 25.40             | 11.10    | 27.2   | 32.1        | 54.5        | 59.4 | 34.77      | 5.6   | 15,455                                   | 2,505                             | 5.18                                   |
| C2160H             | inch  | 4.000            | 1.125    | 1.250             | 0.562    | 1.34   | 1.55        | 2.68        | 2.88 | 1.900      | 0.283 | 58,000                                   | 9,260                             | 5.73                                   |
|                    | mm    | 101.60           | 28.58    | 31.75             | 14.28    | 34.0   | 39.3        | 68.0        | 73.3 | 48.26      | 7.2   | 26,365                                   | 4,210                             | 8.55                                   |

### Chain Dimensions - Large Roller

|        |      |        |       |       |       |      |      |      |      |       |       |        |       |      |
|--------|------|--------|-------|-------|-------|------|------|------|------|-------|-------|--------|-------|------|
| C2042  | inch | 1.000  | 0.625 | 0.313 | 0.156 | 0.32 | 0.41 | 0.65 | 0.73 | 0.440 | 0.060 | 3,800  | 660   | 0.56 |
|        | mm   | 25.40  | 15.88 | 7.95  | 3.96  | 8.2  | 10.3 | 16.4 | 18.5 | 11.17 | 1.5   | 1,727  | 300   | 0.83 |
| C2052  | inch | 1.250  | 0.750 | 0.375 | 0.200 | 0.40 | 0.49 | 0.80 | 0.89 | 0.545 | 0.080 | 6,100  | 990   | 0.85 |
|        | mm   | 31.75  | 19.05 | 9.53  | 5.08  | 10.2 | 12.4 | 20.3 | 22.6 | 13.84 | 2.0   | 2,775  | 450   | 1.27 |
| C2062H | inch | 1.500  | 0.875 | 0.500 | 0.234 | 0.57 | 0.67 | 1.13 | 1.23 | 0.712 | 0.126 | 9,000  | 1,540 | 1.43 |
|        | mm   | 38.10  | 22.23 | 12.70 | 5.95  | 14.4 | 16.9 | 28.8 | 31.3 | 18.09 | 3.2   | 4,090  | 700   | 2.13 |
| C2082H | inch | 2.000  | 1.125 | 0.625 | 0.312 | 0.71 | 0.89 | 1.43 | 1.60 | 0.950 | 0.157 | 15,200 | 2,650 | 2.31 |
|        | mm   | 50.80  | 28.58 | 15.88 | 7.93  | 18.2 | 22.6 | 36.3 | 40.7 | 24.13 | 4.0   | 6,910  | 1,205 | 3.45 |
| C2102H | inch | 2.500  | 1.562 | 0.750 | 0.375 | 0.86 | 1.00 | 1.72 | 1.86 | 1.187 | 0.189 | 24,300 | 4,080 | 3.94 |
|        | mm   | 63.50  | 39.67 | 19.05 | 9.53  | 21.8 | 25.3 | 43.7 | 47.2 | 30.16 | 4.8   | 11,045 | 1,855 | 5.87 |
| C2122H | inch | 3.000  | 1.750 | 1.000 | 0.437 | 1.07 | 1.26 | 2.14 | 2.34 | 1.369 | 0.220 | 34,000 | 5,510 | 5.42 |
|        | mm   | 76.20  | 44.45 | 25.40 | 11.10 | 27.2 | 32.1 | 54.5 | 59.4 | 34.77 | 5.6   | 15,455 | 2,505 | 8.09 |
| C2162H | inch | 4.000  | 2.250 | 1.250 | 0.562 | 1.34 | 1.55 | 2.68 | 2.88 | 1.900 | 0.283 | 58,000 | 9,260 | 8.71 |
|        | mm   | 101.60 | 57.15 | 31.75 | 14.28 | 34.0 | 39.3 | 68.0 | 73.3 | 48.26 | 7.2   | 26,365 | 4,210 | 13.0 |

# ASME/ANSI Straight (Flat) Side Bar Roller Chain

ASME/ANSI Straight (Flat) Side Bar roller chains are identical to ASME/ANSI standard chains except that the side bar is straight rather than contoured. These chains are most often used for light to moderate duty material handling conveyors where the side bars are allowed to slide on a conveyor track. The straight side bar design also allows unit materials to sit on top of the chains easily in conveyor applications.

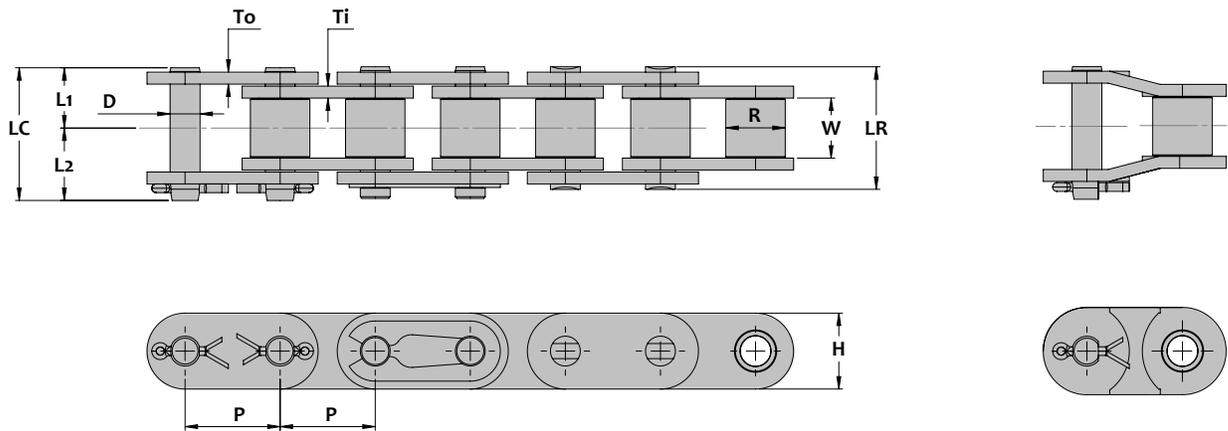


## Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller   |                   | Dia<br>D | Pin    |             |             |      | Side Plate |       | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|----------|-------------------|----------|--------|-------------|-------------|------|------------|-------|--|--|
|                    |       |                  | Dia<br>R | Inside Width<br>W |          | Length | Height<br>H | Thick.<br>T |      |            |       |  |  |
|                    |       |                  |          |                   |          |        |             |             | L1   | L2         | LR    |  |  |
| 25F                | inch  | 0.250            | 0.130    | 0.125             | 0.091    | 0.15   | 0.19        | 0.31        | 0.34 | 0.228      | 0.030 | 1,010                                    | 0.08                                   |
|                    | mm    | 6.35             | 3.30     | 3.18              | 2.31     | 3.9    | 4.7         | 7.8         | 8.6  | 5.80       | 0.76  | 459                                      | 0.12                                   |
| 40F                | inch  | 0.500            | 0.312    | 0.313             | 0.156    | 0.32   | 0.41        | 0.65        | 0.73 | 0.463      | 0.060 | 4,190                                    | 0.46                                   |
|                    | mm    | 12.70            | 7.92     | 7.95              | 3.96     | 8.2    | 10.3        | 16.4        | 18.5 | 11.75      | 1.52  | 1,905                                    | 0.69                                   |
| 50F                | inch  | 0.625            | 0.400    | 0.375             | 0.200    | 0.40   | 0.49        | 0.80        | 0.89 | 0.580      | 0.080 | 6,830                                    | 0.72                                   |
|                    | mm    | 15.88            | 10.16    | 9.52              | 5.09     | 10.2   | 12.4        | 20.3        | 22.6 | 14.73      | 2.03  | 3,105                                    | 1.08                                   |
| 60F                | inch  | 0.750            | 0.469    | 0.500             | 0.235    | 0.50   | 0.60        | 1.00        | 1.10 | 0.685      | 0.125 | 9,260                                    | 1.04                                   |
|                    | mm    | 19.05            | 11.91    | 12.70             | 5.96     | 12.7   | 15.3        | 25.4        | 28.0 | 17.40      | 2.39  | 4,210                                    | 1.55                                   |
| 80F                | inch  | 1.000            | 0.625    | 0.625             | 0.313    | 0.65   | 0.80        | 1.30        | 1.45 | 0.950      | 0.125 | 17,600                                   | 1.94                                   |
|                    | mm    | 25.40            | 15.88    | 15.88             | 7.94     | 16.5   | 20.4        | 33.0        | 36.9 | 24.13      | 3.18  | 8,000                                    | 2.90                                   |
| 100F               | inch  | 1.250            | 0.750    | 0.750             | 0.376    | 0.78   | 0.95        | 1.56        | 1.73 | 1.187      | 0.156 | 25,350                                   | 3.03                                   |
|                    | mm    | 31.75            | 19.05    | 19.05             | 9.54     | 19.8   | 24.1        | 39.7        | 44.0 | 30.16      | 3.96  | 11,525                                   | 4.52                                   |
| 120F               | inch  | 1.500            | 0.875    | 1.000             | 0.437    | 1.01   | 1.17        | 2.01        | 2.18 | 1.425      | 0.187 | 34,390                                   | 4.04                                   |
|                    | mm    | 38.10            | 22.23    | 25.40             | 11.11    | 25.5   | 29.8        | 51.1        | 55.4 | 36.19      | 4.75  | 15,630                                   | 6.02                                   |
| 140F               | inch  | 1.750            | 1.000    | 1.000             | 0.500    | 1.07   | 1.27        | 2.15        | 2.34 | 1.662      | 0.219 | 46,300                                   | 5.86                                   |
|                    | mm    | 44.45            | 25.40    | 25.40             | 12.71    | 27.3   | 32.2        | 54.5        | 59.4 | 42.22      | 5.56  | 21,045                                   | 8.74                                   |
| 160F               | inch  | 2.000            | 1.125    | 1.250             | 0.563    | 1.29   | 1.46        | 2.58        | 2.75 | 1.900      | 0.250 | 57,760                                   | 7.26                                   |
|                    | mm    | 50.80            | 28.58    | 31.75             | 14.29    | 32.8   | 37.1        | 65.5        | 69.8 | 48.26      | 6.35  | 26,255                                   | 10.8                                   |

## ISO 606B British Standard Straight (Flat) Side Bar Roller Chain

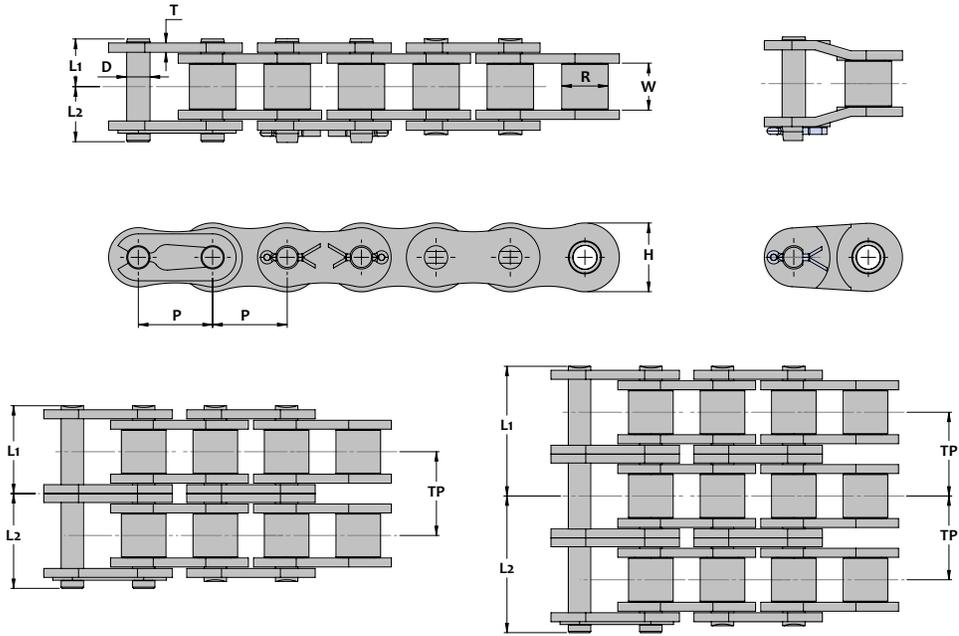
ISO 606B British Standard Straight (Flat) Side Bar roller chains are identical to ISO 606B British Standard chains except that the side bar is straight rather than contoured. These chains are most often used for light to moderate duty material handling conveyors where the side bars are allowed to slide on a conveyor track. The straight side bar design also allows unit materials to sit on top of the chains easily in conveyor applications.



### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |          | Pin      |        |      |      |      | Side Plate  |           | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |      |
|--------------------|-------|------------------|-------------------|----------|----------|--------|------|------|------|-------------|-----------|--|--|------|
|                    |       |                  | Inside Width<br>W | Dia<br>R | Dia<br>D | Length |      |      |      | Height<br>H | Thickness |  |  |      |
|                    |       |                  |                   |          |          | L1     | L2   | LR   | LC   | To          | Ti        |  |  |      |
| 08BF               | inch  | 0.500            | 0.305             | 0.335    | 0.175    | 0.32   | 0.41 | 0.65 | 0.73 | 0.463       | 0.060     |  | 4,230                                  | 0.50 |
|                    | mm    | 12.70            | 8.51              | 8.51     | 4.45     | 8.2    | 10.3 | 16.5 | 18.6 | 11.75       | 1.50      |  | 1,925                                  | 0.75 |
| 10BF               | inch  | 0.625            | 0.400             | 0.380    | 0.200    | 0.39   | 0.48 | 0.78 | 0.87 | 0.580       | 0.067     |  | 5,500                                  | 0.66 |
|                    | mm    | 15.88            | 10.16             | 9.65     | 5.08     | 9.9    | 12.3 | 19.7 | 22.1 | 14.73       | 1.71      |  | 2,500                                  | 0.98 |
| 12BF               | inch  | 0.750            | 0.475             | 0.460    | 0.225    | 0.44   | 0.57 | 0.89 | 1.02 | 0.635       | 0.073     |  | 7,100                                  | 0.86 |
|                    | mm    | 19.05            | 12.07             | 11.68    | 5.72     | 11.3   | 14.6 | 22.5 | 25.8 | 16.13       | 1.86      |  | 3,225                                  | 1.28 |
| 16BF               | inch  | 1.000            | 0.625             | 0.670    | 0.326    | 0.71   | 0.83 | 1.43 | 1.54 | 0.830       | 0.125     | 0.157                                    | 15,000                                 | 1.94 |
|                    | mm    | 25.40            | 15.88             | 17.02    | 8.28     | 18.1   | 21.1 | 36.2 | 39.2 | 21.08       | 3.18      | 3.99                                     | 6,820                                  | 2.89 |
| 20BF               | inch  | 1.250            | 0.750             | 0.770    | 0.400    | 0.79   | 0.96 | 1.58 | 1.75 | 1.040       | 0.125     | 0.176                                    | 23,150                                 | 2.58 |
|                    | mm    | 31.75            | 19.05             | 19.56    | 10.19    | 20.1   | 24.4 | 40.2 | 44.5 | 26.42       | 3.18      | 4.46                                     | 10,525                                 | 3.85 |
| 24BF               | inch  | 1.500            | 1.000             | 1.000    | 0.576    | 1.07   | 1.27 | 2.13 | 2.33 | 1.315       | 0.189     | 0.236                                    | 39,680                                 | 4.92 |
|                    | mm    | 38.10            | 25.40             | 25.40    | 14.63    | 27.1   | 32.2 | 54.1 | 59.2 | 33.40       | 4.80      | 6.00                                     | 18,035                                 | 7.33 |
| 28BF               | inch  | 1.750            | 1.100             | 1.220    | 0.626    | 1.30   | 1.47 | 2.59 | 2.77 | 1.460       | 0.236     | 0.287                                    | 50,000                                 | 6.57 |
|                    | mm    | 44.45            | 27.94             | 30.99    | 15.90    | 33.0   | 37.5 | 65.9 | 70.4 | 37.08       | 6.00      | 7.30                                     | 22,725                                 | 9.80 |
| 32BF               | inch  | 2.000            | 1.150             | 1.220    | 0.701    | 1.31   | 1.50 | 2.61 | 2.81 | 1.665       | 0.236     | 0.276                                    | 61,000                                 | 6.82 |
|                    | mm    | 50.80            | 29.21             | 30.99    | 17.81    | 33.2   | 38.2 | 66.3 | 71.3 | 42.29       | 6.00      | 7.00                                     | 27,725                                 | 10.2 |

# ASME/ANSI Standard Roller Chain



## Chain Dimensions

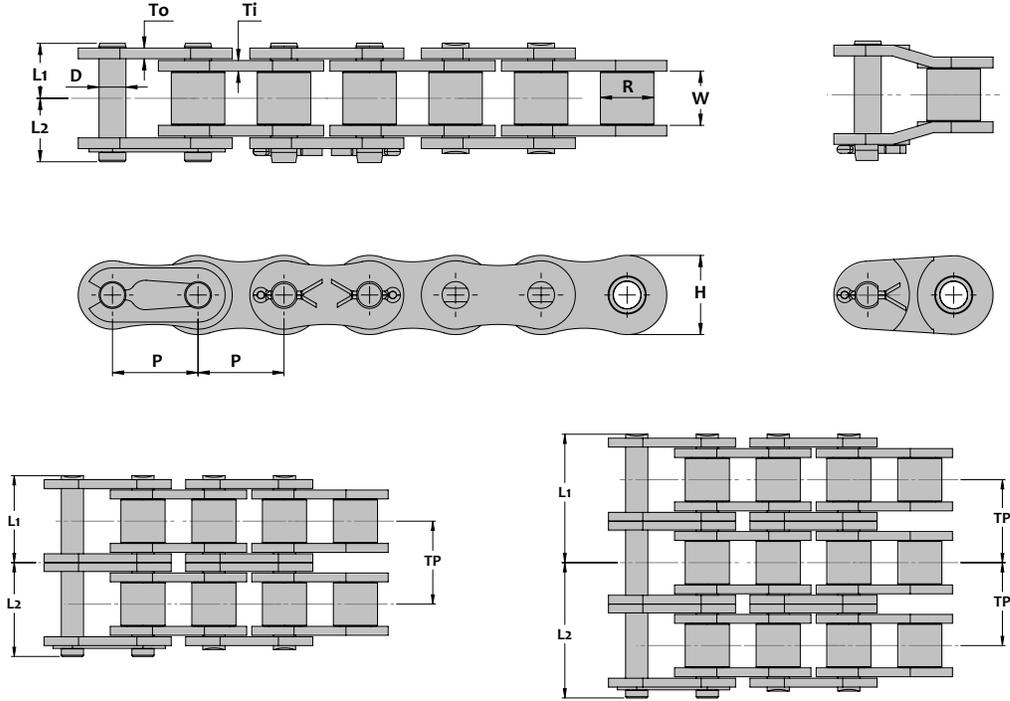
| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |          | Pin      |        |      | Side Plate  |             | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Number of Links<br>10ft<br>5m | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-------------------|----------|----------|--------|------|-------------|-------------|--------------------|--|-----------------------------------|-------------------------------|--|
|                    |       |                  | Inside Width<br>W | Dia<br>R | Dia<br>D | Length |      | Height<br>H | Thick.<br>T |                    |  |                                   |                               |  |
|                    |       |                  |                   |          |          | L1     | L2   |             |             |                    |  |                                   |                               |  |
| 25                 | inch  | 0.250            | 0.125             | 0.130    | 0.091    | 0.18   | 0.28 | 0.237       | 0.030       | -                  | 880                                      | 140                               | 480                           | 0.09                                   |
|                    | mm    | 6.35             | 3.18              | 3.30     | 2.31     | 4.6    | 7.1  | 6.02        | 0.75        | -                  | 400                                      | 64                                | 788                           | 0.14                                   |
| 35                 | inch  | 0.375            | 0.188             | 0.200    | 0.142    | 0.26   | 0.39 | 0.356       | 0.049       | -                  | 2,320                                    | 475                               | 320                           | 0.22                                   |
|                    | mm    | 9.525            | 4.78              | 5.08     | 3.60     | 6.6    | 9.9  | 9.05        | 1.25        | -                  | 1,055                                    | 216                               | 526                           | 0.33                                   |
| 35-2               | inch  |                  |                   |          |          | 0.46   | 0.59 |             |             | 0.398              | 4,520                                    | 800                               |                               | 0.46                                   |
|                    | mm    |                  |                   |          |          | 11.7   | 15.0 |             |             | 10.10              | 2,055                                    | 364                               |                               | 0.69                                   |
| 35-3               | inch  |                  |                   |          |          | 0.66   | 0.79 |             |             | 0.398              | 6,830                                    | 1,175                             |                               | 0.70                                   |
|                    | mm    |                  |                   |          |          | 16.8   | 20.1 |             |             | 10.10              | 3,105                                    | 534                               |                               | 1.05                                   |
| 41                 | inch  | 0.500            | 0.246             | 0.306    | 0.142    | 0.28   | 0.35 | 0.390       | 0.049       | -                  | 2,600                                    | 500                               | 240                           | 0.27                                   |
|                    | mm    | 12.70            | 6.25              | 7.77     | 3.60     | 7.0    | 9.0  | 9.91        | 1.25        | -                  | 1,180                                    | 227                               | 394                           | 0.41                                   |
| 40                 | inch  | 0.500            | 0.312             | 0.312    | 0.157    | 0.35   | 0.50 | 0.475       | 0.059       | -                  | 4,080                                    | 800                               | 240                           | 0.42                                   |
|                    | mm    | 12.70            | 7.92              | 7.92     | 3.98     | 8.9    | 12.8 | 12.07       | 1.50        | -                  | 1,855                                    | 364                               | 394                           | 0.63                                   |
| 40-2               | inch  |                  |                   |          |          | 0.64   | 0.79 |             |             | 0.567              | 7,940                                    | 1,375                             |                               | 0.80                                   |
|                    | mm    |                  |                   |          |          | 16.2   | 20.1 |             |             | 14.40              | 3,610                                    | 625                               |                               | 1.19                                   |
| 40-3               | inch  |                  |                   |          |          | 0.92   | 1.07 |             |             | 0.567              | 11,900                                   | 2,000                             |                               | 1.19                                   |
|                    | mm    |                  |                   |          |          | 23.4   | 27.3 |             |             | 14.40              | 5,410                                    | 909                               |                               | 1.77                                   |
| 50                 | inch  | 0.625            | 0.375             | 0.400    | 0.200    | 0.43   | 0.59 | 0.594       | 0.079       | -                  | 6,830                                    | 1,350                             | 192                           | 0.68                                   |
|                    | mm    | 15.875           | 9.53              | 10.16    | 5.09     | 10.9   | 15.0 | 15.09       | 2.00        | -                  | 3,105                                    | 614                               | 316                           | 1.01                                   |
| 50-2               | inch  |                  |                   |          |          | 0.79   | 0.95 |             |             | 0.713              | 13,670                                   | 2,380                             |                               | 1.37                                   |
|                    | mm    |                  |                   |          |          | 20.0   | 24.1 |             |             | 18.10              | 6,215                                    | 1,080                             |                               | 2.04                                   |
| 50-3               | inch  |                  |                   |          |          | 1.14   | 1.30 |             |             | 0.713              | 20,500                                   | 3,500                             |                               | 2.05                                   |
|                    | mm    |                  |                   |          |          | 29.0   | 33.1 |             |             | 18.10              | 9,320                                    | 1,590                             |                               | 3.05                                   |
| 60                 | inch  | 0.750            | 0.500             | 0.469    | 0.235    | 0.53   | 0.71 | 0.713       | 0.094       | -                  | 9,250                                    | 2,000                             | 160                           | 0.97                                   |
|                    | mm    | 19.05            | 12.70             | 11.91    | 5.96     | 13.5   | 18.1 | 18.10       | 2.40        | -                  | 4,205                                    | 909                               | 262                           | 1.44                                   |
| 60-2               | inch  |                  |                   |          |          | 0.98   | 1.16 |             |             | 0.898              | 18,500                                   | 3,300                             |                               | 2.03                                   |
|                    | mm    |                  |                   |          |          | 24.9   | 29.5 |             |             | 22.8               | 8,410                                    | 1,500                             |                               | 3.03                                   |
| 60-3               | inch  |                  |                   |          |          | 1.43   | 1.61 |             |             | 0.898              | 27,500                                   | 4,900                             |                               | 3.02                                   |
|                    | mm    |                  |                   |          |          | 36.3   | 40.9 |             |             | 22.8               | 12,500                                   | 2,225                             |                               | 4.50                                   |

# ASME/ANSI Standard Roller Chain

## Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |          | Pin      |        |       | Side Plate  |             | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Number of Links<br>10ft<br>5m | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-------------------|----------|----------|--------|-------|-------------|-------------|--------------------|--|-----------------------------------|-------------------------------|--|
|                    |       |                  | Inside Width<br>W | Dia<br>R | Dia<br>D | Length |       | Height<br>H | Thick.<br>T |                    |  |                                   |                               |  |
|                    |       |                  |                   |          |          | L1     | L2    |             |             |                    |  |                                   |                               |  |
| 80                 | inch  | 1.000            | 0.625             | 0.625    | 0.313    | 0.66   | 0.87  | 0.950       | 0.126       | -                  | 17,500                                   | 3,200                             | 120                           | 1.61                                   |
|                    | mm    | 25.40            | 15.88             | 15.88    | 7.94     | 16.8   | 22.2  | 24.13       | 3.20        | -                  | 7,955                                    | 1,515                             | 198                           | 2.40                                   |
| 80-2               | inch  |                  |                   |          |          | 1.23   | 1.45  |             |             | 1.154              | 35,000                                   | 5,500                             |                               | 3.53                                   |
|                    | mm    |                  |                   |          |          | 31.4   | 36.8  |             |             | 29.30              | 15,910                                   | 2,500                             |                               | 5.26                                   |
| 80-3               | inch  |                  |                   |          |          | 1.81   | 2.02  |             |             | 1.154              | 52,500                                   | 8,200                             |                               | 5.23                                   |
|                    | mm    |                  |                   |          |          | 46.0   | 51.4  |             |             | 29.30              | 23,865                                   | 3,725                             |                               | 7.80                                   |
| 100                | inch  | 1.250            | 0.750             | 0.750    | 0.376    | 0.81   | 1.05  | 1.188       | 0.157       | 1.409              | 23,000                                   | 5,000                             | 96                            | 2.51                                   |
|                    | mm    | 31.75            | 19.05             | 19.05    | 9.54     | 20.6   | 26.7  | 30.17       | 4.00        | 35.80              | 10,455                                   | 2,275                             | 158                           | 3.74                                   |
| 100-2              | inch  |                  |                   |          |          | 1.52   | 1.76  |             |             |                    | 46,000                                   | 8,500                             |                               | 5.04                                   |
|                    | mm    |                  |                   |          |          | 38.5   | 44.6  |             |             |                    | 20,910                                   | 3,865                             |                               | 7.51                                   |
| 100-3              | inch  |                  |                   |          |          | 2.22   | 2.46  |             |             |                    | 69,000                                   | 12,500                            |                               | 7.51                                   |
|                    | mm    |                  |                   |          |          | 56.5   | 62.6  |             |             |                    | 31,365                                   | 5,680                             |                               | 11.2                                   |
| 120                | inch  | 1.500            | 1.000             | 0.875    | 0.437    | 1.00   | 1.26  | 1.425       | 0.189       | -                  | 34,000                                   | 6,600                             | 80                            | 4.14                                   |
|                    | mm    | 38.10            | 25.40             | 22.23    | 11.11    | 25.4   | 32.0  | 36.20       | 4.80        | -                  | 15,455                                   | 3,000                             | 132                           | 6.18                                   |
| 120-2              | inch  |                  |                   |          |          | 1.90   | 2.16  |             |             | 1.409              | 68,000                                   | 11,500                            |                               | 8.21                                   |
|                    | mm    |                  |                   |          |          | 48.2   | 54.8  |             |             | 35.80              | 30,910                                   | 5,225                             |                               | 12.3                                   |
| 120-3              | inch  |                  |                   |          |          | 2.79   | 3.05  |             |             | 1.409              | 102,000                                  | 17,000                            |                               | 12.3                                   |
|                    | mm    |                  |                   |          |          | 70.9   | 77.5  |             |             | 35.80              | 46,365                                   | 7,725                             |                               | 18.3                                   |
| 140                | inch  | 1.750            | 1.000             | 1.000    | 0.500    | 1.08   | 1.37  | 1.663       | 0.220       | -                  | 46,000                                   | 8,900                             | 70                            | 5.02                                   |
|                    | mm    | 44.45            | 25.40             | 25.40    | 12.70    | 27.5   | 34.9  | 42.23       | 5.60        | -                  | 20,910                                   | 4,045                             | 116                           | 7.49                                   |
| 140-2              | inch  |                  |                   |          |          | 2.04   | 2.33  |             |             | 1.925              | 92,000                                   | 15,000                            |                               | 9.94                                   |
|                    | mm    |                  |                   |          |          | 51.8   | 59.2  |             |             | 48.90              | 41,820                                   | 6,820                             |                               | 14.8                                   |
| 140-3              | inch  |                  |                   |          |          | 3.00   | 3.29  |             |             | 1.925              | 138,000                                  | 22,000                            |                               | 14.9                                   |
|                    | mm    |                  |                   |          |          | 76.2   | 83.6  |             |             | 48.90              | 62,725                                   | 10,000                            |                               | 22.2                                   |
| 160                | inch  | 2.000            | 1.250             | 1.125    | 0.563    | 1.29   | 1.60  | 1.900       | 0.252       | -                  | 57,000                                   | 11,500                            | 60                            | 6.77                                   |
|                    | mm    | 50.8             | 31.75             | 28.58    | 14.29    | 32.8   | 40.7  | 48.26       | 6.40        | -                  | 25,910                                   | 5,225                             | 98                            | 10.1                                   |
| 160-2              | inch  |                  |                   |          |          | 2.44   | 2.76  |             |             | 2.303              | 114,000                                  | 20,000                            |                               | 13.4                                   |
|                    | mm    |                  |                   |          |          | 62.1   | 70.0  |             |             | 58.50              | 51,820                                   | 9,090                             |                               | 20.0                                   |
| 160-3              | inch  |                  |                   |          |          | 3.60   | 3.91  |             |             | 2.303              | 171,000                                  | 28,000                            |                               | 20.1                                   |
|                    | mm    |                  |                   |          |          | 91.5   | 99.4  |             |             | 58.50              | 77,725                                   | 12,725                            |                               | 30.0                                   |
| 180                | inch  | 2.250            | 1.406             | 1.406    | 0.687    | 1.45   | 1.81  | 2.138       | 0.280       | -                  | 75,850                                   | 13,300                            | 54                            | 8.99                                   |
|                    | mm    | 57.15            | 35.71             | 35.71    | 17.46    | 37.0   | 46.1  | 54.30       | 7.10        | -                  | 34,475                                   | 6,045                             | 90                            | 13.4                                   |
| 180-2              | inch  |                  |                   |          |          | 2.76   | 3.11  |             |             | 2.592              | 151,720                                  | 22,000                            |                               | 17.6                                   |
|                    | mm    |                  |                   |          |          | 70.0   | 79.1  |             |             | 65.84              | 68,965                                   | 10,000                            |                               | 26.2                                   |
| 180-3              | inch  |                  |                   |          |          | 4.06   | 4.41  |             |             | 2.592              | 227,570                                  | 34,000                            |                               | 25.6                                   |
|                    | mm    |                  |                   |          |          | 103.0  | 112.1 |             |             | 65.84              | 103,440                                  | 15,455                            |                               | 38.1                                   |
| 200                | inch  | 2.500            | 1.500             | 1.562    | 0.781    | 1.58   | 1.98  | 2.375       | 0.315       | -                  | 93,670                                   | 15,800                            | 48                            | 11.1                                   |
|                    | mm    | 63.50            | 38.1              | 39.68    | 19.85    | 40.2   | 50.4  | 60.33       | 8.00        | -                  | 42,575                                   | 7,180                             | 80                            | 16.5                                   |
| 200-2              | inch  |                  |                   |          |          | 2.99   | 3.39  |             |             | 2.819              | 107,340                                  | 27,000                            |                               | 21.9                                   |
|                    | mm    |                  |                   |          |          | 76.0   | 86.2  |             |             | 71.60              | 48,790                                   | 12,275                            |                               | 32.7                                   |
| 200-3              | inch  |                  |                   |          |          | 4.40   | 4.80  |             |             | 2.819              | 281,020                                  | 40,000                            |                               | 32.9                                   |
|                    | mm    |                  |                   |          |          | 111.8  | 122.0 |             |             | 71.60              | 127,735                                  | 18,180                            |                               | 49.1                                   |
| 240                | inch  | 3.000            | 1.875             | 1.875    | 0.937    | 1.88   | 2.29  | 2.850       | 0.374       | -                  | 134,980                                  | 22,400                            | 40                            | 16.2                                   |
|                    | mm    | 76.20            | 47.63             | 47.63    | 23.81    | 47.8   | 58.3  | 72.40       | 9.5         | -                  | 61,355                                   | 10,180                            | 66                            | 24.2                                   |
| 240-2              | inch  |                  |                   |          |          | 3.61   | 4.020 |             |             | 3.457              | 269,950                                  | 37,000                            |                               | 32.1                                   |
|                    | mm    |                  |                   |          |          | 91.7   | 102.2 |             |             | 87.80              | 122,705                                  | 16,820                            |                               | 47.8                                   |
| 240-3              | inch  |                  |                   |          |          | 5.34   | 5.75  |             |             | 3.457              | 404,930                                  | 54,500                            |                               | 47.7                                   |
|                    | mm    |                  |                   |          |          | 135.7  | 146.2 |             |             | 87.80              | 184,060                                  | 24,775                            |                               | 71.1                                   |

# ISO 606B British Standard Roller Chain



## Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |          | Pin      |              | Side Plate |             |           | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Number of Links<br>10ft<br>5m | Average Chain Weight<br>Lbs/ft<br>Kg/m |      |
|--------------------|-------|------------------|-------------------|----------|----------|--------------|------------|-------------|-----------|--------------------|--|-----------------------------------|-------------------------------|--|------|
|                    |       |                  | Inside Width<br>W | Dia<br>R | Dia<br>D | Length<br>L1 | L2         | Height<br>H | Thickness |                    |  |                                   |                               |  |      |
|                    |       |                  |                   |          |          |              |            | To          | Ti        |                    |  |                                   |                               |  |      |
| 05B                | inch  | 0.315            | 0.118             | 0.197    | 0.091    | 0.17         | 0.29       | .280        | 0.030     |                    | -  | 1,250                             | 245                           | 382                                    | 0.11 |
|                    | mm    | 8.0              | 3.00              | 5.00     | 2.31     | 4.3          | 7.4        | 7.11        | 0.75      |                    | -  | 568                               | 111                           | 626                                    | 0.16 |
| 06B                | inch  | 0.375            | 0.225             | 0.250    | 0.129    | 0.27         | 0.40       | 0.325       | 0.039     | 0.051              | -  | 2,100                             | 400                           | 320                                    | 0.26 |
|                    | mm    | 9.53             | 5.72              | 6.35     | 3.28     | 6.8          | 10.1       | 8.26        | 1.00      | 1.30               | -  | 955                               | 182                           | 526                                    | 0.39 |
| 06B-2              | inch  |                  |                   |          |          | 0.47         | 0.60       |             |           |                    | 0.403                                    | 4,190                             | 660                           |  | 0.50 |
|                    | mm    |                  |                   |          |          | 11.9         | 15.2       |             |           |                    | 10.24                                    | 1,905                             | 300                           |  | 0.74 |
| 06B-3              | inch  |                  |                   |          |          | 0.67         | 0.80       |             |           |                    | 0.403                                    | 5,950                             | 950                           |  | 0.73 |
|                    | mm    |                  |                   |          |          | 17.0         | 20.3       |             |           |                    | 10.24                                    | 2,705                             | 432                           |  | 1.09 |
| 08B                | inch  | 0.500            | 0.335             | 0.305    | 0.175    | 0.33         | 0.49       | 0.465       | 0.059     |                    | -  | 4,080                             | 710                           | 240                                    | 0.62 |
|                    | mm    | 12.7             | 8.51              | 7.75     | 4.45     | 8.5          | 12.4       | 11.81       | 1.50      |                    | -  | 1,855                             | 323                           | 394                                    | 0.92 |
| 08B-2              | inch  |                  |                   |          |          | 0.61         | 0.76       |             |           |                    | 0.548                                    | 7,600                             | 1,210                         |  | 1.13 |
|                    | mm    |                  |                   |          |          | 15.5         | 19.4       |             |           |                    | 13.92                                    | 3,455                             | 550                           |  | 1.68 |
| 08B-3              | inch  |                  |                   |          |          | 0.88         | 1.04       |             |           |                    | 0.548                                    | 9,920                             | 1,770                         |  | 1.76 |
|                    | mm    |                  |                   |          |          | 22.5         | 26.4       |             |           |                    | 13.92                                    | 4,510                             | 805                           |  | 2.62 |
| 10B                | inch  | 0.625            | 0.400             | 0.380    | 0.200    | 0.39         | 0.55       | 0.580       | 0.065     |                    | -  | 5,500                             | 1,030                         | 192                                    | 0.83 |
|                    | mm    | 15.88            | 10.16             | 9.65     | 5.08     | 9.8          | 13.9       | 14.73       | 1.65      |                    | -  | 2,500                             | 468                           | 316                                    | 1.24 |
| 10B-2              | inch  |                  |                   |          |          | 0.71         | 0.87       |             |           |                    | 0.653                                    | 11,000                            | 1,750                         |  | 1.53 |
|                    | mm    |                  |                   |          |          | 18.1         | 22.2       |             |           |                    | 16.59                                    | 5,000                             | 795                           |  | 2.28 |
| 10B-3              | inch  |                  |                   |          |          | 1.04         | 1.20       |             |           |                    | 0.653                                    | 16,000                            | 2,580                         |  | 2.38 |
|                    | mm    |                  |                   |          |          | 26.4         | 30.5       |             |           |                    | 16.59                                    | 7,275                             | 1,175                         |  | 3.55 |

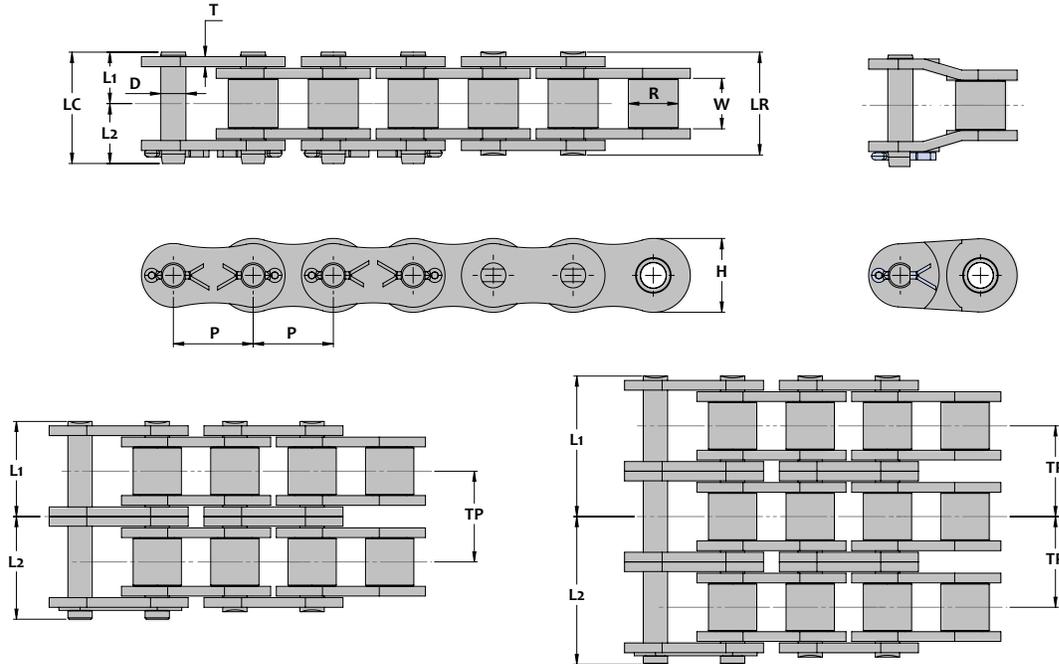
# ISO 606B British Standard Roller Chain

## Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |          |          | Pin             |       | Side Plate  |                    |       | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Number of Links<br>10ft<br>5m | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-------------------|----------|----------|-----------------|-------|-------------|--------------------|-------|--------------------|--|-----------------------------------|-------------------------------|--|
|                    |       |                  | Inside Width<br>W | Dia<br>R | Dia<br>D | Length<br>L1 L2 |       | Height<br>H | Thickness<br>To Ti |       |                    |  |                                   |                               |  |
|                    |       |                  |                   |          |          |                 |       |             |                    |       |                    |  |                                   |                               |  |
| 12B                | inch  | 0.750            | 0.475             | 0.460    | 0.225    | 0.45            | 0.63  | 0.635       | 0.067              | 0.071 | -                  | 7,100                                    | 1,210                             | 160                           | 0.83                                   |
|                    | mm    | 19.05            | 12.07             | 11.68    | 5.72     | 11.4            | 16.0  | 16.13       | 1.70               | 1.80  | -                  | 3,225                                    | 550                               | 262                           | 1.24                                   |
| 12B-2              | inch  |                  |                   |          |          | 0.83            | 1.01  |             |                    |       | 0.766              | 14,200                                   | 2,060                             |                               | 1.53                                   |
|                    | mm    |                  |                   |          |          | 21.1            | 25.7  |             |                    |       | 19.46              | 6,455                                    | 936                               |                               | 2.28                                   |
| 12B-3              | inch  |                  |                   |          |          | 1.21            | 1.40  |             |                    |       | 0.766              | 21,300                                   | 3,030                             |                               | 2.38                                   |
|                    | mm    |                  |                   |          |          | 30.9            | 35.5  |             |                    |       | 19.46              | 9,680                                    | 1,375                             |                               | 3.55                                   |
| 16B                | inch  | 1.000            | 0.625             | 0.670    | 0.326    | 0.71            | 0.92  | 0.830       | 0.126              | 0.157 | -                  | 15,000                                   | 3,010                             | 120                           | 1.78                                   |
|                    | mm    | 25.4             | 15.88             | 17.02    | 8.28     | 18.1            | 23.5  | 21.08       | 3.20               | 4.00  | -                  | 6,820                                    | 1,370                             | 198                           | 2.65                                   |
| 16B-2              | inch  |                  |                   |          |          | 1.34            | 1.55  |             |                    |       | 1.255              | 30,000                                   | 4,800                             |                               | 3.52                                   |
|                    | mm    |                  |                   |          |          | 34.0            | 39.4  |             |                    |       | 31.88              | 16,635                                   | 2,180                             |                               | 5.25                                   |
| 16B-3              | inch  |                  |                   |          |          | 1.97            | 2.18  |             |                    |       | 1.255              | 45,000                                   | 7,000                             |                               | 5.27                                   |
|                    | mm    |                  |                   |          |          | 50.0            | 55.4  |             |                    |       | 31.88              | 20,455                                   | 3,180                             |                               | 7.86                                   |
| 20B                | inch  | 1.250            | 0.750             | 0.770    | 0.401    | 0.85            | 1.09  | 1.040       | 0.138              | 0.177 | -                  | 23,000                                   | 4,190                             | 96                            | 2.58                                   |
|                    | mm    | 31.75            | 19.05             | 19.56    | 10.19    | 21.6            | 27.7  | 26.42       | 3.50               | 4.50  | -                  | 10,455                                   | 1,905                             | 158                           | 3.85                                   |
| 20B-2              | inch  |                  |                   |          |          | 1.57            | 1.81  |             |                    |       | 1.435              | 43,870                                   | 7,160                             |                               | 5.13                                   |
|                    | mm    |                  |                   |          |          | 39.9            | 46.0  |             |                    |       | 36.45              | 19,940                                   | 3,255                             |                               | 7.65                                   |
| 20B-3              | inch  |                  |                   |          |          | 2.29            | 2.53  |             |                    |       | 1.435              | 64,600                                   | 10,470                            |                               | 7.68                                   |
|                    | mm    |                  |                   |          |          | 58.1            | 64.2  |             |                    |       | 36.45              | 29,365                                   | 4,760                             |                               | 11.5                                   |
| 24B                | inch  | 1.500            | 1.000             | 1.000    | 0.576    | 1.05            | 1.31  | 1.315       | 0.205              | 0.236 | -                  | 36,500                                   | 6,200                             | 80                            | 5.10                                   |
|                    | mm    | 38.1             | 25.4              | 25.4     | 14.63    | 26.7            | 33.3  | 33.40       | 5.20               | 6.00  | -                  | 16,590                                   | 2,820                             | 132                           | 7.60                                   |
| 24B-2              | inch  |                  |                   |          |          | 2.00            | 2.26  |             |                    |       | 1.904              | 78,600                                   | 10,520                            |                               | 9.92                                   |
|                    | mm    |                  |                   |          |          | 50.9            | 57.5  |             |                    |       | 48.36              | 35,725                                   | 4,780                             |                               | 14.8                                   |
| 24B-3              | inch  |                  |                   |          |          | 2.96            | 3.22  |             |                    |       | 1.904              | 115,960                                  | 15,470                            |                               | 14.7                                   |
|                    | mm    |                  |                   |          |          | 75.1            | 81.7  |             |                    |       | 48.36              | 52,710                                   | 7,030                             |                               | 21.9                                   |
| 28B                | inch  | 1.750            | 1.100             | 1.220    | 0.626    | 1.28            | 1.57  | 1.460       | 0.248              | 0.295 | -                  | 50,000                                   | 8,570                             | 70                            | 6.07                                   |
|                    | mm    | 44.45            | 27.94             | 30.99    | 15.90    | 32.6            | 40.0  | 37.08       | 6.30               | 7.50  | -                  | 22,725                                   | 3,895                             | 116                           | 9.05                                   |
| 28B-2              | inch  |                  |                   |          |          | 2.45            | 2.75  |             |                    |       | 2.345              | 94,000                                   | 13,100                            |                               | 11.5                                   |
|                    | mm    |                  |                   |          |          | 62.4            | 69.8  |             |                    |       | 59.56              | 42,725                                   | 5,955                             |                               | 17.1                                   |
| 28B-3              | inch  |                  |                   |          |          | 3.63            | 3.92  |             |                    |       | 2.345              | 139,000                                  | 19,290                            |                               | 17.2                                   |
|                    | mm    |                  |                   |          |          | 92.2            | 99.6  |             |                    |       | 59.56              | 63,180                                   | 8,770                             |                               | 25.6                                   |
| 32B                | inch  | 2.000            | 1.150             | 1.220    | 0.701    | 1.33            | 1.64  | 1.665       | 0.248              | 0.280 | -                  | 61,000                                   | 9,380                             | 60                            | 7.13                                   |
|                    | mm    | 50.8             | 29.21             | 30.99    | 17.81    | 33.7            | 41.6  | 42.29       | 6.30               | 7.10  | -                  | 27,725                                   | 4,265                             | 98                            | 10.6                                   |
| 32B-2              | inch  |                  |                   |          |          | 2.48            | 2.79  |             |                    |       | 2.305              | 121,500                                  | 14,970                            |                               | 14.0                                   |
|                    | mm    |                  |                   |          |          | 63.0            | 70.9  |             |                    |       | 58.55              | 55,225                                   | 6,805                             |                               | 20.9                                   |
| 32B-3              | inch  |                  |                   |          |          | 3.63            | 3.94  |             |                    |       | 2.305              | 181,000                                  | 22,030                            |                               | 21.2                                   |
|                    | mm    |                  |                   |          |          | 92.3            | 100.2 |             |                    |       | 58.55              | 82,275                                   | 10,015                            |                               | 31.6                                   |
| 40B                | inch  | 2.500            | 1.550             | 1.500    | 0.901    | 1.63            | 2.03  | 2.085       | 0.315              | 0.335 | -                  | 93,000                                   | 11,700                            | 48                            | 10.9                                   |
|                    | mm    | 63.5             | 39.37             | 38.1     | 22.89    | 41.3            | 51.5  | 52.96       | 8.00               | 8.50  | -                  | 42,275                                   | 5,320                             | 80                            | 16.3                                   |
| 40B-2              | inch  |                  |                   |          |          | 3.05            | 3.45  |             |                    |       | 2.846              | 171,000                                  | 19,840                            |                               | 21.4                                   |
|                    | mm    |                  |                   |          |          | 77.5            | 87.7  |             |                    |       | 72.29              | 77,725                                   | 9,020                             |                               | 31.9                                   |
| 40B-3              | inch  |                  |                   |          |          | 4.47            | 4.87  |             |                    |       | 2.846              | 256,500                                  | 29,400                            |                               | 32.3                                   |
|                    | mm    |                  |                   |          |          | 113.8           | 123.8 |             |                    |       | 72.29              | 116,590                                  | 13,365                            |                               | 48.1                                   |
| 48B                | inch  | 3.000            | 1.900             | 1.800    | 1.151    | 1.95            | 2.36  | 2.515       | 0.394              | 0.476 | -                  | 140,000                                  | 17,620                            | 40                            | 16.8                                   |
|                    | mm    | 76.2             | 48.26             | 45.72    | 29.24    | 49.6            | 60.1  | 63.88       | 10.00              | 12.10 | -                  | 63,635                                   | 8,010                             | 66                            | 25.1                                   |
| 48B-2              | inch  |                  |                   |          |          | 3.75            | 4.16  |             |                    |       | 3.591              | 270,000                                  | 30,070                            |                               | 33.4                                   |
|                    | mm    |                  |                   |          |          | 95.2            | 105.7 |             |                    |       | 91.21              | 122,725                                  | 13,670                            |                               | 49.8                                   |
| 48B-3              | inch  |                  |                   |          |          | 5.54            | 5.96  |             |                    |       | 3.591              | 405,000                                  | 44,210                            |                               | 50.3                                   |
|                    | mm    |                  |                   |          |          | 140.8           | 151.3 |             |                    |       | 91.21              | 184,090                                  | 20,095                            |                               | 75.1                                   |

# ASME/ANSI Heavy (H) Series Roller Chain

Heavy Series roller chains are built for power transmission applications that require additional shock load capacity or link plate strength. They are dimensionally equivalent to ASME/ANSI standard chains except that link plates are one size thicker. Single strand chains operate on standard sprockets however multiple strand chains require special sprockets due to their increased transverse pitch.



## Chain Dimensions - Single Strand

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller   |                   |          | Pin    |      |      |      | Side Plate  |             | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|----------|-------------------|----------|--------|------|------|------|-------------|-------------|--|--|
|                    |       |                  | Dia<br>R | Inside Width<br>W | Dia<br>D | Length |      |      |      | Height<br>H | Thick.<br>T |  |  |
|                    |       |                  |          |                   |          | L1     | L2   | LR   | LC   |             |             |  |  |
| 50H                | inch  | 0.625            | 0.400    | 0.375             | 0.200    | 0.45   | 0.63 | 0.91 | 1.08 | 0.594       | 0.094       | 7,300                                    | 0.75                                   |
|                    | mm    | 15.88            | 10.16    | 9.52              | 5.09     | 11.6   | 16.0 | 23.1 | 27.5 | 15.09       | 2.40        | 3,320                                    | 1.12                                   |
| 60H                | inch  | 0.750            | 0.469    | 0.500             | 0.235    | 0.59   | 0.78 | 1.19 | 1.37 | 0.713       | 0.126       | 11,700                                   | 1.21                                   |
|                    | mm    | 19.05            | 11.91    | 12.70             | 5.96     | 15.1   | 19.7 | 30.2 | 34.8 | 18.10       | 3.20        | 5,320                                    | 1.81                                   |
| 80H                | inch  | 1.000            | 0.625    | 0.625             | 0.313    | 0.74   | 0.95 | 1.47 | 1.69 | 0.950       | 0.157       | 20,000                                   | 1.98                                   |
|                    | mm    | 25.40            | 15.88    | 15.88             | 7.94     | 18.7   | 24.1 | 37.4 | 42.8 | 24.13       | 4.00        | 9,090                                    | 2.95                                   |
| 100H               | inch  | 1.250            | 0.750    | 0.750             | 0.376    | 0.88   | 1.12 | 1.75 | 1.99 | 1.188       | 0.189       | 30,000                                   | 2.98                                   |
|                    | mm    | 31.75            | 19.05    | 19.05             | 9.54     | 22.3   | 28.4 | 44.5 | 50.6 | 30.17       | 4.80        | 13,635                                   | 4.45                                   |
| 120H               | inch  | 1.500            | 0.875    | 1.000             | 0.437    | 1.08   | 1.34 | 2.17 | 2.43 | 1.425       | 0.220       | 38,000                                   | 4.55                                   |
|                    | mm    | 38.10            | 22.23    | 25.40             | 11.11    | 27.5   | 34.1 | 55.0 | 61.6 | 36.20       | 5.60        | 17,275                                   | 6.78                                   |
| 140H               | inch  | 1.750            | 1.000    | 1.000             | 0.500    | 1.16   | 1.45 | 2.32 | 2.61 | 1.663       | 0.252       | 50,000                                   | 5.44                                   |
|                    | mm    | 44.45            | 25.40    | 25.40             | 12.71    | 29.5   | 36.9 | 59.0 | 66.4 | 42.23       | 6.40        | 22,725                                   | 8.12                                   |
| 160H               | inch  | 2.000            | 1.125    | 1.250             | 0.563    | 1.37   | 1.68 | 2.73 | 3.04 | 1.900       | 0.280       | 60,000                                   | 7.29                                   |
|                    | mm    | 50.80            | 28.58    | 31.75             | 14.29    | 34.7   | 42.6 | 69.4 | 77.3 | 48.26       | 7.10        | 27,275                                   | 10.87                                  |
| 180H               | inch  | 2.250            | 1.406    | 1.406             | 0.687    | 1.52   | 1.88 | 3.04 | 3.40 | 2.138       | 0.315       | 76,000                                   | 10.19                                  |
|                    | mm    | 57.15            | 35.71    | 35.71             | 17.46    | 38.7   | 47.8 | 77.3 | 86.4 | 54.30       | 8.00        | 34,545                                   | 15.20                                  |
| 200H               | inch  | 2.500            | 1.562    | 1.500             | 0.781    | 1.71   | 2.12 | 3.43 | 3.83 | 2.375       | 0.374       | 94,000                                   | 11.94                                  |
|                    | mm    | 63.50            | 39.67    | 38.10             | 19.85    | 43.6   | 53.8 | 87.1 | 97.3 | 60.33       | 9.50        | 42,725                                   | 17.80                                  |

## ASME/ANSI Heavy (H) Series Roller Chain

### Chain Dimensions - Double Strand

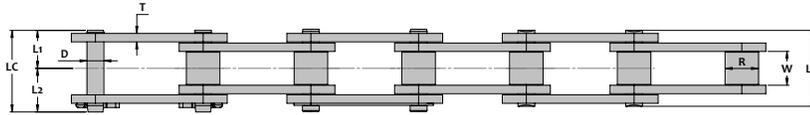
| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller   |                   |          | Pin    |      |       |       | Side Plate  |             | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|----------|-------------------|----------|--------|------|-------|-------|-------------|-------------|--------------------|--|--|
|                    |       |                  | Dia<br>R | Inside Width<br>W | Dia<br>D | Length |      |       |       | Height<br>H | Thick.<br>T |                    |  |  |
|                    |       |                  |          |                   |          | L1     | L2   | LR    | LC    |             |             |                    |  |  |
| 60H-2              | inch  | 0.750            | 0.469    | 0.500             | 0.235    | 1.11   | 1.29 | 2.22  | 2.40  | 0.713       | 0.126       | 1.028              | 23,400                                   | 2.39                                   |
|                    | mm    | 19.05            | 11.91    | 12.70             | 5.96     | 28.2   | 32.8 | 56.3  | 60.9  | 18.10       | 3.20        | 26.10              | 10,635                                   | 3.57                                   |
| 80H-2              | inch  | 1.000            | 0.625    | 0.625             | 0.313    | 1.38   | 1.59 | 2.76  | 2.97  | 0.950       | 0.157       | 1.283              | 40,000                                   | 3.92                                   |
|                    | mm    | 25.40            | 15.88    | 15.88             | 7.94     | 35.0   | 40.4 | 70.0  | 75.4  | 24.13       | 4.00        | 32.60              | 18,180                                   | 5.85                                   |
| 100H-2             | inch  | 1.250            | 0.750    | 0.750             | 0.376    | 1.65   | 1.89 | 3.29  | 3.53  | 1.188       | 0.189       | 1.539              | 60,000                                   | 5.59                                   |
|                    | mm    | 31.75            | 19.05    | 19.05             | 9.54     | 41.8   | 47.9 | 83.6  | 89.7  | 30.17       | 4.80        | 39.10              | 27,275                                   | 8.34                                   |
| 120H-2             | inch  | 1.500            | 0.875    | 1.000             | 0.437    | 2.05   | 2.31 | 4.09  | 4.35  | 1.425       | 0.220       | 1.925              | 76,000                                   | 9.02                                   |
|                    | mm    | 38.10            | 22.23    | 25.40             | 11.11    | 52.0   | 58.6 | 103.9 | 110.5 | 36.20       | 5.60        | 48.90              | 34,545                                   | 13.5                                   |
| 140H-2             | inch  | 1.750            | 1.000    | 1.000             | 0.500    | 2.19   | 2.48 | 4.38  | 4.67  | 1.663       | 0.252       | 2.055              | 100,000                                  | 10.8                                   |
|                    | mm    | 44.45            | 25.40    | 25.40             | 12.71    | 55.6   | 63.0 | 111.2 | 118.6 | 42.23       | 6.40        | 52.20              | 45,455                                   | 16.1                                   |
| 160H-2             | inch  | 2.000            | 1.125    | 1.250             | 0.563    | 2.58   | 2.90 | 5.17  | 5.48  | 1.900       | 0.280       | 2.437              | 120,000                                  | 14.0                                   |
|                    | mm    | 50.80            | 28.58    | 31.75             | 14.29    | 65.7   | 73.6 | 131.3 | 139.2 | 48.26       | 7.10        | 61.90              | 54,545                                   | 20.9                                   |
| 180H-2             | inch  | 2.250            | 1.406    | 1.406             | 0.687    | 2.88   | 3.24 | 5.77  | 6.13  | 2.138       | 0.315       | 2.724              | 152,000                                  | 20.2                                   |
|                    | mm    | 57.15            | 35.71    | 35.71             | 17.46    | 73.3   | 82.4 | 146.5 | 155.6 | 54.30       | 8.00        | 69.20              | 69,090                                   | 30.1                                   |
| 200H-2             | inch  | 2.500            | 1.562    | 1.500             | 0.781    | 3.26   | 3.66 | 6.51  | 6.91  | 2.375       | 0.374       | 3.083              | 188,000                                  | 23.6                                   |
|                    | mm    | 63.50            | 39.67    | 38.10             | 19.85    | 82.7   | 92.9 | 165.4 | 175.6 | 60.33       | 9.50        | 78.30              | 85,455                                   | 35.2                                   |

### Chain Dimensions - Triple Strand

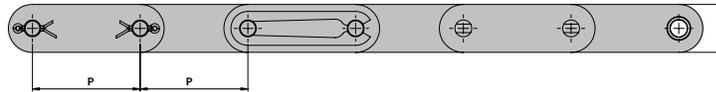
| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller   |                   |          | Pin    |       |       |       | Side Plate  |             | Trans. Pitch<br>TP | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|----------|-------------------|----------|--------|-------|-------|-------|-------------|-------------|--------------------|--|--|
|                    |       |                  | Dia<br>R | Inside Width<br>W | Dia<br>D | Length |       |       |       | Height<br>H | Thick.<br>T |                    |  |  |
|                    |       |                  |          |                   |          | L1     | L2    | LR    | LC    |             |             |                    |  |  |
| 60H-3              | inch  | 0.750            | 0.469    | 0.500             | 0.235    | 1.62   | 1.80  | 3.24  | 3.43  | 0.713       | 0.126       | 1.028              | 35,100                                   | 3.46                                   |
|                    | mm    | 19.05            | 11.91    | 12.70             | 5.96     | 41.2   | 45.8  | 82.4  | 87.0  | 18.10       | 3.20        | 26.10              | 15,955                                   | 5.16                                   |
| 80H-3              | inch  | 1.000            | 0.625    | 0.625             | 0.313    | 2.02   | 2.23  | 4.04  | 4.25  | 0.950       | 0.157       | 1.283              | 60,000                                   | 5.58                                   |
|                    | mm    | 25.40            | 15.88    | 15.88             | 7.94     | 51.3   | 56.7  | 102.6 | 108.0 | 24.13       | 4.00        | 32.60              | 27,275                                   | 8.32                                   |
| 100H-3             | inch  | 1.250            | 0.750    | 0.750             | 0.376    | 2.42   | 2.66  | 4.83  | 5.07  | 1.188       | 0.189       | 1.539              | 90,000                                   | 8.07                                   |
|                    | mm    | 31.75            | 19.05    | 19.05             | 9.54     | 61.4   | 67.5  | 122.7 | 128.8 | 30.17       | 4.80        | 39.10              | 40,910                                   | 12.0                                   |
| 120H-3             | inch  | 1.500            | 0.875    | 1.000             | 0.437    | 3.01   | 3.27  | 6.02  | 6.28  | 1.425       | 0.220       | 1.925              | 114,000                                  | 13.5                                   |
|                    | mm    | 38.10            | 22.23    | 25.40             | 11.11    | 76.4   | 83.0  | 152.8 | 159.4 | 36.20       | 5.60        | 48.90              | 51,820                                   | 20.1                                   |
| 140H-3             | inch  | 1.750            | 1.000    | 1.000             | 0.500    | 3.22   | 3.51  | 6.43  | 6.72  | 1.663       | 0.252       | 2.055              | 150,000                                  | 16.1                                   |
|                    | mm    | 44.45            | 25.40    | 25.40             | 12.71    | 81.7   | 89.1  | 163.4 | 170.8 | 42.23       | 6.40        | 52.20              | 68,180                                   | 24.0                                   |
| 160H-3             | inch  | 2.000            | 1.125    | 1.250             | 0.563    | 3.80   | 4.11  | 7.61  | 7.92  | 1.900       | 0.280       | 2.437              | 180,000                                  | 20.7                                   |
|                    | mm    | 50.80            | 28.58    | 31.75             | 14.29    | 96.6   | 104.5 | 193.2 | 201.1 | 48.26       | 7.10        | 61.90              | 81,820                                   | 30.8                                   |
| 180H-3             | inch  | 2.250            | 1.406    | 1.406             | 0.687    | 4.25   | 4.60  | 8.49  | 8.85  | 2.138       | 0.315       | 2.724              | 228,000                                  | 30.2                                   |
|                    | mm    | 57.15            | 35.71    | 35.71             | 17.46    | 107.9  | 117.0 | 215.7 | 224.8 | 54.30       | 8.00        | 69.20              | 103,635                                  | 45.0                                   |
| 200H-3             | inch  | 2.500            | 1.562    | 1.500             | 0.781    | 4.80   | 5.20  | 9.59  | 10.00 | 2.375       | 0.374       | 3.083              | 282,000                                  | 35.2                                   |
|                    | mm    | 63.50            | 39.67    | 38.10             | 19.85    | 121.9  | 132.1 | 243.7 | 253.9 | 60.33       | 9.50        | 78.30              | 128,180                                  | 52.5                                   |



## ASME/ANSI Conveyor Series Double Pitch Roller Chain



Standard Roller



Large Roller

### Chain Dimensions - Standard Roller

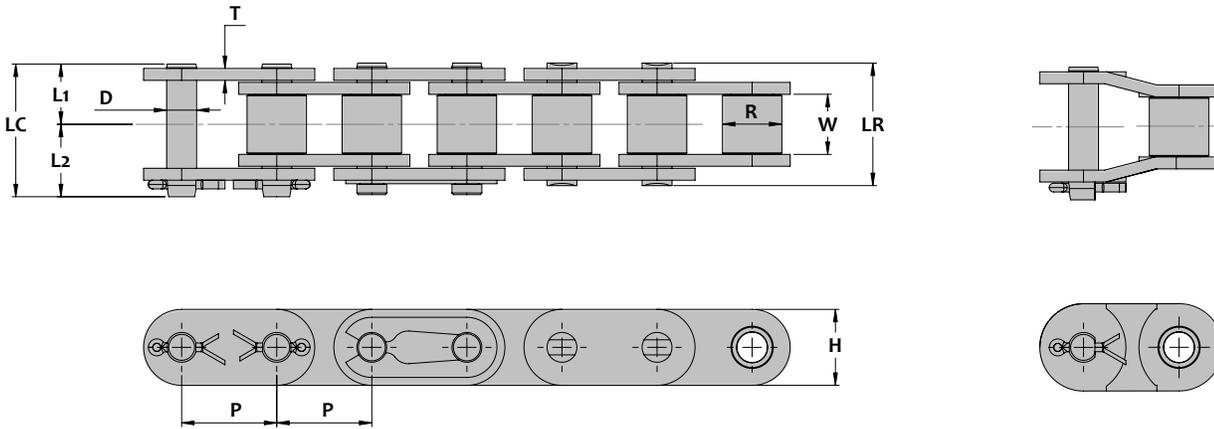
| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |      |      |      | Side Plate |        | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|------|------|------------|--------|--|--------------------|--|
|                    |       |                  | Dia    | Inside Width | Dia   | Length |      |      |      | Height     | Thick. |  |                    |  |
|                    |       |                  | R      | W            | D     | L1     | L2   | LR   | LC   | H          | T      |  |                    |  |
| C2040              | inch  | 1.000            | 0.312  | 0.313        | 0.156 | 0.35   | 0.50 | 0.70 | 0.85 | 0.472      | 0.059  | 3,750                                    | 610                | 0.33                                   |
|                    | mm    | 25.40            | 7.92   | 7.95         | 3.96  | 8.9    | 12.8 | 17.8 | 21.7 | 12.00      | 1.50   | 1,705                                    | 277                | 0.49                                   |
| C2050              | inch  | 1.250            | 0.400  | 0.375        | 0.200 | 0.43   | 0.59 | 0.86 | 1.02 | 0.591      | 0.079  | 5,900                                    | 950                | 0.56                                   |
|                    | mm    | 31.75            | 10.16  | 9.53         | 5.08  | 10.9   | 15.0 | 21.8 | 25.9 | 15.00      | 2.00   | 2,680                                    | 432                | 0.84                                   |
| C2060H             | inch  | 1.500            | 0.469  | 0.500        | 0.234 | 0.59   | 0.78 | 1.19 | 1.37 | 0.709      | 0.126  | 8,500                                    | 1,450              | 0.97                                   |
|                    | mm    | 38.10            | 11.91  | 12.70        | 5.95  | 15.1   | 19.7 | 30.2 | 34.8 | 18.00      | 3.20   | 3,865                                    | 659                | 1.45                                   |
| C2080H             | inch  | 2.000            | 0.625  | 0.625        | 0.312 | 0.74   | 0.95 | 1.47 | 1.69 | 0.949      | 0.157  | 15,000                                   | 2,470              | 1.62                                   |
|                    | mm    | 50.80            | 15.88  | 15.88        | 7.93  | 18.7   | 24.1 | 37.4 | 42.8 | 24.10      | 4.00   | 6,820                                    | 1,125              | 2.41                                   |
| C2100H             | inch  | 2.500            | 0.750  | 0.750        | 0.375 | 0.88   | 1.12 | 1.75 | 1.99 | 1.185      | 0.189  | 23,500                                   | 3,940              | 2.35                                   |
|                    | mm    | 63.50            | 19.05  | 19.05        | 9.53  | 22.3   | 28.4 | 44.5 | 50.6 | 30.10      | 4.80   | 10,680                                   | 1,790              | 3.50                                   |
| C2120H             | inch  | 3.000            | 0.875  | 1.000        | 0.437 | 1.08   | 1.34 | 2.17 | 2.43 | 1.425      | 0.220  | 33,750                                   | 5,250              | 4.02                                   |
|                    | mm    | 76.20            | 22.23  | 25.40        | 11.10 | 27.5   | 34.1 | 55.0 | 61.6 | 36.20      | 5.60   | 15,340                                   | 2,385              | 6.00                                   |

### Chain Dimensions - Large Roller

|        |      |       |       |       |       |      |      |      |      |       |       |        |       |      |
|--------|------|-------|-------|-------|-------|------|------|------|------|-------|-------|--------|-------|------|
| C2042  | inch | 1.000 | 0.625 | 0.313 | 0.156 | 0.35 | 0.50 | 0.70 | 0.85 | 0.472 | 0.059 | 3,750  | 610   | 0.58 |
|        | mm   | 25.40 | 15.88 | 7.95  | 3.96  | 8.9  | 12.8 | 17.8 | 21.7 | 12.00 | 1.50  | 1,705  | 277   | 0.86 |
| C2052  | inch | 1.250 | 0.750 | 0.375 | 0.200 | 0.43 | 0.59 | 0.86 | 1.02 | 0.591 | 0.079 | 5,900  | 950   | 0.89 |
|        | mm   | 31.75 | 19.05 | 9.53  | 5.08  | 10.9 | 15.0 | 21.8 | 25.9 | 15.00 | 2.00  | 2,680  | 432   | 1.32 |
| C2062H | inch | 1.500 | 0.875 | 0.500 | 0.234 | 0.59 | 0.78 | 1.19 | 1.37 | 0.709 | 0.126 | 8,500  | 1,450 | 1.46 |
|        | mm   | 38.10 | 22.23 | 12.70 | 5.95  | 15.1 | 19.7 | 30.2 | 34.8 | 18.00 | 3.20  | 3,865  | 659   | 2.17 |
| C2082H | inch | 2.000 | 1.125 | 0.625 | 0.312 | 0.74 | 0.95 | 1.47 | 1.69 | 0.949 | 0.157 | 15,000 | 2,470 | 1.92 |
|        | mm   | 50.80 | 28.58 | 15.88 | 7.93  | 18.7 | 24.1 | 37.4 | 42.8 | 24.10 | 4.00  | 6,820  | 1,125 | 2.87 |
| C2102H | inch | 2.500 | 1.562 | 0.750 | 0.375 | 0.88 | 1.12 | 1.75 | 1.99 | 1.185 | 0.189 | 23,500 | 3,940 | 3.14 |
|        | mm   | 63.50 | 39.67 | 19.05 | 9.53  | 22.3 | 28.4 | 44.5 | 50.6 | 30.10 | 4.80  | 10,680 | 1,790 | 4.68 |
| C2122H | inch | 3.000 | 1.750 | 1.000 | 0.437 | 1.08 | 1.34 | 2.17 | 2.43 | 1.425 | 0.220 | 33,750 | 5,250 | 5.36 |
|        | mm   | 76.20 | 44.45 | 25.40 | 11.10 | 27.5 | 34.1 | 55.0 | 61.6 | 36.20 | 5.60  | 15,340 | 2,385 | 8.00 |

## ASME/ANSI Straight (Flat) Side Bar Roller Chain

ASME/ANSI Straight (Flat) Side Bar roller chains are identical to ASME/ANSI standard chains except that the side bar is straight rather than contoured. These chains are most often used for light to moderate duty material handling conveyors where the side bars are allowed to slide on a conveyor track. The straight side bar design also allows unit materials to sit on top of the chains easily in conveyor applications.

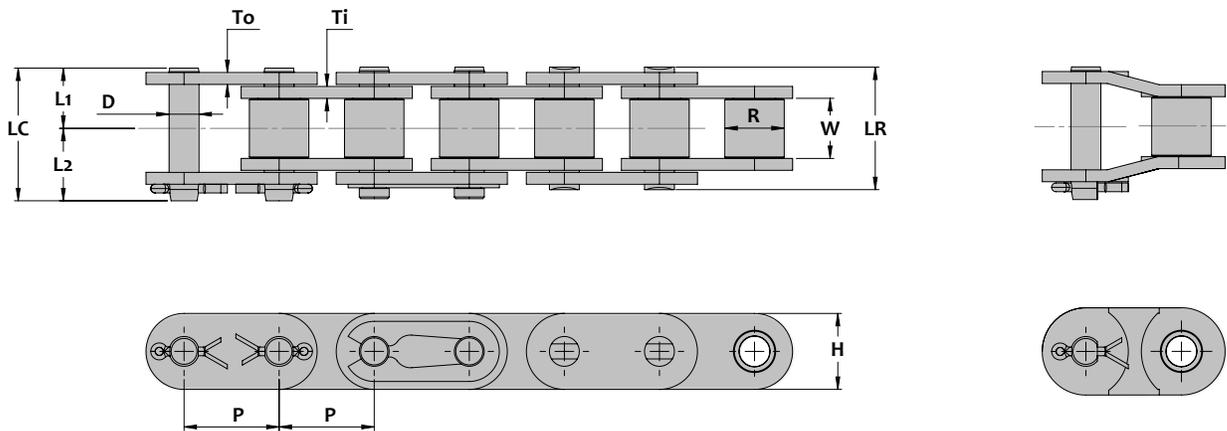


### Chain Dimensions

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller   |                   | Dia<br>D | Pin    |             |             |      | Side Plate |       | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|----------|-------------------|----------|--------|-------------|-------------|------|------------|-------|--|--|
|                    |       |                  | Dia<br>R | Inside Width<br>W |          | Length | Height<br>H | Thick.<br>T |      |            |       |  |  |
|                    |       |                  |          |                   |          |        |             |             | L1   | L2         | LR    |  |  |
| 40F                | inch  | 0.500            | 0.312    | 0.313             | 0.156    | 0.35   | 0.50        | 0.70        | 0.85 | 0.475      | 0.059 | 4,080                                    | 0.44                                   |
|                    | mm    | 12.70            | 7.92     | 7.95              | 3.96     | 8.9    | 12.8        | 17.8        | 21.7 | 12.07      | 1.50  | 1,855                                    | 0.65                                   |
| 50F                | inch  | 0.625            | 0.400    | 0.375             | 0.200    | 0.43   | 0.59        | 0.86        | 1.02 | 0.594      | 0.079 | 6,830                                    | 0.69                                   |
|                    | mm    | 15.88            | 10.16    | 9.52              | 5.09     | 10.9   | 15.0        | 21.8        | 25.9 | 15.09      | 2.0   | 3,105                                    | 1.03                                   |
| 60F                | inch  | 0.750            | 0.469    | 0.500             | 0.235    | 0.53   | 0.71        | 1.06        | 1.24 | 0.713      | 0.094 | 9,250                                    | 0.98                                   |
|                    | mm    | 19.05            | 11.91    | 12.70             | 5.96     | 13.5   | 18.1        | 26.9        | 31.5 | 18.10      | 2.40  | 4,205                                    | 1.46                                   |
| 80F                | inch  | 1.000            | 0.625    | 0.625             | 0.313    | 0.66   | 0.87        | 1.32        | 1.53 | 0.950      | 0.126 | 17,500                                   | 1.64                                   |
|                    | mm    | 25.40            | 15.88    | 15.88             | 7.94     | 16.8   | 22.2        | 33.5        | 38.9 | 24.13      | 3.20  | 7,955                                    | 2.44                                   |
| 100F               | inch  | 1.250            | 0.750    | 0.750             | 0.376    | 0.81   | 1.05        | 1.62        | 1.86 | 1.188      | 0.157 | 23,000                                   | 2.89                                   |
|                    | mm    | 31.75            | 19.05    | 19.05             | 9.54     | 20.6   | 26.7        | 41.1        | 47.2 | 30.17      | 4.00  | 10,455                                   | 4.31                                   |

## ISO 606B British Standard Straight (Flat) Side Bar Roller Chain

ISO 606B British Standard Straight (Flat) Side Bar roller chains are identical to ISO 606B British Standard chains except that the side bar is straight rather than contoured. These chains are most often used for light to moderate duty material handling conveyors where the side bars are allowed to slide on a conveyor track. The straight side bar design also allows unit materials to sit on top of the chains easily in conveyor applications.

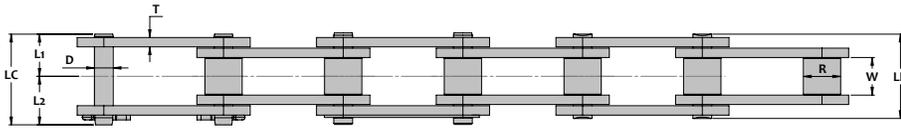


### Chain Dimensions

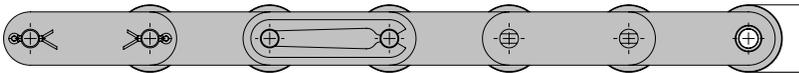
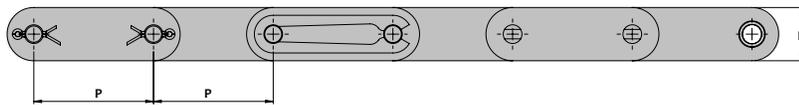
| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller            |          |          | Pin    |      |      |      |             | Side Plate |       | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|-------------------|----------|----------|--------|------|------|------|-------------|------------|-------|--|--|
|                    |       |                  | Inside Width<br>W | Dia<br>R | Dia<br>D | Length |      |      |      | Height<br>H | Thickness  |       |  |  |
|                    |       |                  |                   |          |          | L1     | L2   | LR   | LC   |             | To         | Ti    |  |  |
| 08BF               | inch  | 0.500            | 0.305             | 0.335    | 0.175    | 0.33   | 0.49 | 0.67 | 0.82 | 0.465       | 0.059      |       | 4,080                                    | 0.50                                   |
|                    | mm    | 12.70            | 8.51              | 8.51     | 4.45     | 8.5    | 12.4 | 17.0 | 20.9 | 11.81       | 1.50       |       | 1,855                                    | 0.75                                   |
| 10BF               | inch  | 0.625            | 0.400             | 0.380    | 0.200    | 0.39   | 0.55 | 0.77 | 0.93 | 0.580       | 0.065      |       | 5,500                                    | 0.67                                   |
|                    | mm    | 15.88            | 10.16             | 9.65     | 5.08     | 9.8    | 13.9 | 19.6 | 23.7 | 14.73       | 1.65       |       | 2,500                                    | 1                                      |
| 12BF               | inch  | 0.750            | 0.475             | 0.460    | 0.225    | 0.45   | 0.63 | 0.89 | 1.07 | 0.635       | 0.067      | 0.071 | 7,100                                    | 0.87                                   |
|                    | mm    | 19.05            | 12.07             | 11.68    | 5.72     | 11.4   | 16.0 | 22.7 | 27.3 | 16.13       | 1.70       | 1.80  | 3,225                                    | 1.29                                   |
| 16BF               | inch  | 1.000            | 0.625             | 0.670    | 0.326    | 0.71   | 0.92 | 1.42 | 1.63 | 0.830       | 0.126      | 0.157 | 15,000                                   | 1.81                                   |
|                    | mm    | 25.40            | 15.88             | 17.02    | 8.28     | 18.1   | 23.5 | 36.1 | 41.5 | 21.08       | 3.20       | 4.00  | 6,820                                    | 2.70                                   |
| 20BF               | inch  | 1.250            | 0.750             | 0.770    | 0.400    | 0.85   | 1.09 | 1.70 | 1.94 | 1.040       | 0.138      | 0.157 | 23,000                                   | 2.85                                   |
|                    | mm    | 31.75            | 19.05             | 19.56    | 10.19    | 21.6   | 27.7 | 43.2 | 49.3 | 26.42       | 3.50       | 4.00  | 10,455                                   | 4.25                                   |
| 24BF               | inch  | 1.500            | 1.000             | 1.000    | 0.576    | 1.05   | 1.31 | 2.10 | 2.36 | 1.315       | 0.205      | 0.236 | 36,500                                   | 5.50                                   |
|                    | mm    | 38.10            | 25.40             | 25.40    | 14.63    | 26.7   | 33.3 | 53.4 | 60.0 | 33.40       | 5.20       | 6.00  | 16,590                                   | 8.20                                   |



## Nickel Plated Roller Chain



Standard Roller



Large Roller

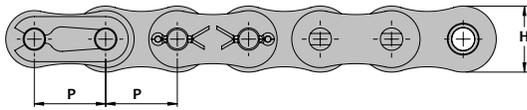
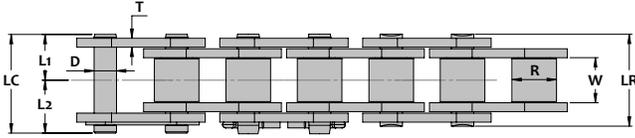
### Chain Dimensions - Standard Roller

| MAXCO Chain Number | Units | Chain Pitch P | Roller |                | Dia D | Pin       |           |           |           | Side Plate |          | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|---------------|--------|----------------|-------|-----------|-----------|-----------|-----------|------------|----------|--|-----------------------------------|--|
|                    |       |               | Dia R  | Inside Width W |       | Length L1 | Length L2 | Length LR | Length LC | Height H   | Thick. T |  |                                   |  |
|                    |       |               |        |                |       |           |           |           |           |            |          |  |                                   |  |
| C2040NP            | inch  | 1.000         | 0.312  | 0.313          | 0.156 | 0.35      | 0.50      | 0.70      | 0.85      | 0.472      | 0.059    | 3,750                                    | 610                               | 0.33                                   |
|                    | mm    | 25.40         | 7.92   | 7.95           | 3.96  | 8.9       | 12.8      | 17.8      | 21.7      | 12.00      | 1.50     | 1,705                                    | 277                               | 0.49                                   |
| C2050NP            | inch  | 1.250         | 0.400  | 0.375          | 0.200 | 0.43      | 0.59      | 0.86      | 1.02      | 0.591      | 0.079    | 5,900                                    | 990                               | 0.56                                   |
|                    | mm    | 31.75         | 10.16  | 9.53           | 5.08  | 10.9      | 15.0      | 21.8      | 25.9      | 15.00      | 2.00     | 2,680                                    | 450                               | 0.84                                   |
| C2060HNP           | inch  | 1.500         | 0.469  | 0.500          | 0.234 | 0.59      | 0.78      | 1.19      | 1.37      | 0.709      | 0.126    | 8,500                                    | 1,450                             | 0.97                                   |
|                    | mm    | 38.10         | 11.91  | 12.70          | 5.95  | 15.1      | 19.7      | 30.2      | 34.8      | 18.00      | 3.20     | 3,865                                    | 659                               | 1.45                                   |
| C2080HNP           | inch  | 2.000         | 0.625  | 0.625          | 0.312 | 0.74      | 0.95      | 1.47      | 1.69      | 0.949      | 0.157    | 15,000                                   | 2,470                             | 1.62                                   |
|                    | mm    | 50.80         | 15.88  | 15.88          | 7.93  | 18.7      | 24.1      | 37.4      | 42.8      | 24.10      | 4.00     | 6,820                                    | 1,125                             | 2.41                                   |

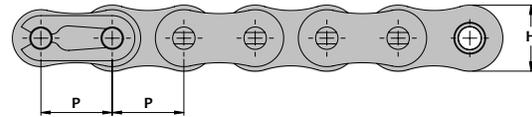
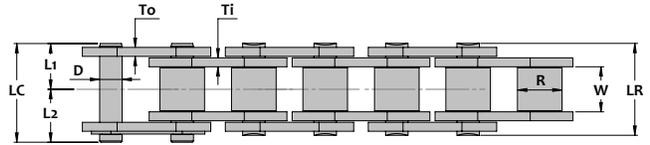
### Chain Dimensions - Large Roller

|          |      |       |       |       |       |      |      |      |      |       |       |        |       |      |
|----------|------|-------|-------|-------|-------|------|------|------|------|-------|-------|--------|-------|------|
| C2042NP  | inch | 1.000 | 0.625 | 0.313 | 0.156 | 0.35 | 0.50 | 0.70 | 0.85 | 0.472 | 0.059 | 3,750  | 610   | 0.58 |
|          | mm   | 25.40 | 15.88 | 7.95  | 3.96  | 8.9  | 12.8 | 17.8 | 21.7 | 12.00 | 1.50  | 1,705  | 277   | 0.86 |
| C2052NP  | inch | 1.250 | 0.750 | 0.375 | 0.200 | 0.43 | 0.59 | 0.86 | 1.02 | 0.591 | 0.079 | 5,900  | 990   | 0.89 |
|          | mm   | 31.75 | 19.05 | 9.53  | 5.08  | 10.9 | 15.0 | 21.8 | 25.9 | 15.00 | 2.00  | 2,680  | 450   | 1.32 |
| C2062HNP | inch | 1.500 | 0.875 | 0.500 | 0.234 | 0.59 | 0.78 | 1.19 | 1.37 | 0.709 | 0.126 | 8,500  | 1,450 | 1.46 |
|          | mm   | 38.10 | 22.23 | 12.70 | 5.95  | 15.1 | 19.7 | 30.2 | 34.8 | 18.00 | 3.20  | 3,865  | 659   | 2.17 |
| C2082HNP | inch | 2.000 | 1.125 | 0.625 | 0.312 | 0.74 | 0.95 | 1.47 | 1.69 | 0.949 | 0.157 | 15,000 | 2,470 | 1.92 |
|          | mm   | 50.80 | 28.58 | 15.88 | 7.93  | 18.7 | 24.1 | 37.4 | 42.8 | 24.10 | 4.00  | 6,820  | 1,125 | 2.87 |

# 304 Stainless Steel Roller Chain



ASME/ANSI Standard



ISO 606B British Standard

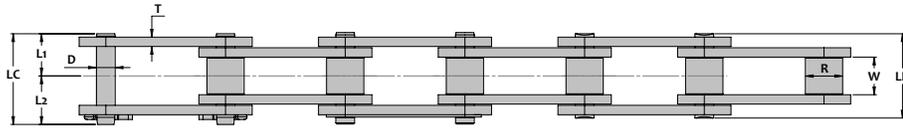
## Chain Dimensions - ASME/ANSI Standard

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller |              |       | Pin    |      |      |      | Side Plate |        | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|--------|--------------|-------|--------|------|------|------|------------|--------|--|-----------------------------------|--|
|                    |       |                  | Dia.   | Inside Width | Dia.  | Length |      |      |      | Height     | Thick. |  |                                   |  |
|                    |       |                  | R      | W            | D     | L1     | L2   | LR   | LC   | H          | T      |  |                                   |  |
| 25SS               | inch  | 0.250            | 0.130  | 0.125        | 0.091 | 0.18   | 0.28 | 0.36 | 0.46 | 0.237      | 0.030  | 700                                      | 27                                | 0.09                                   |
|                    | mm    | 6.35             | 3.20   | 3.18         | 2.31  | 4.6    | 7.1  | 9.2  | 11.7 | 6.02       | 0.75   | 318                                      | 12                                | 0.14                                   |
| 35SS               | inch  | 0.375            | 0.200  | 0.188        | 0.141 | 0.26   | 0.39 | 0.52 | 0.65 | 0.356      | 0.049  | 1,400                                    | 60                                | 0.22                                   |
|                    | mm    | 9.525            | 5.08   | 4.78         | 3.58  | 6.6    | 9.9  | 13.2 | 16.5 | 9.05       | 1.25   | 636                                      | 27                                | 0.33                                   |
| 40SS               | inch  | 0.500            | 0.312  | 0.313        | 0.156 | 0.35   | 0.50 | 0.70 | 0.85 | 0.475      | 0.059  | 2,790                                    | 100                               | 0.42                                   |
|                    | mm    | 12.70            | 7.92   | 7.95         | 3.96  | 8.9    | 12.8 | 17.8 | 21.7 | 12.07      | 1.50   | 1,270                                    | 45                                | 0.63                                   |
| 50SS               | inch  | 0.625            | 0.400  | 0.375        | 0.200 | 0.43   | 0.59 | 0.86 | 1.02 | 0.594      | 0.079  | 4,560                                    | 150                               | 0.68                                   |
|                    | mm    | 15.875           | 10.16  | 9.53         | 5.08  | 10.9   | 15.0 | 21.8 | 25.9 | 15.09      | 2.00   | 2,075                                    | 68                                | 1.01                                   |
| 60SS               | inch  | 0.750            | 0.469  | 0.500        | 0.234 | 0.53   | 0.71 | 1.06 | 1.24 | 0.713      | 0.094  | 6,160                                    | 230                               | 0.97                                   |
|                    | mm    | 19.05            | 11.91  | 12.70        | 5.95  | 13.5   | 18.1 | 26.9 | 31.5 | 18.10      | 2.40   | 2,800                                    | 105                               | 1.44                                   |
| 80SS               | inch  | 1.000            | 0.625  | 0.625        | 0.312 | 0.66   | 0.87 | 1.32 | 1.53 | 0.950      | 0.126  | 10,590                                   | 400                               | 1.61                                   |
|                    | mm    | 25.4             | 15.88  | 15.88        | 7.93  | 16.8   | 22.2 | 33.5 | 38.9 | 24.13      | 3.20   | 4,815                                    | 182                               | 2.40                                   |

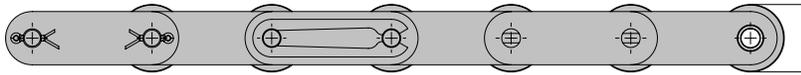
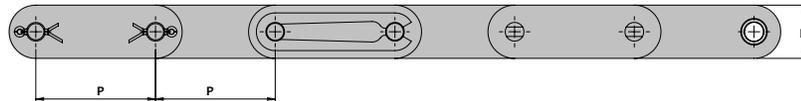
## Chain Dimensions - ISO 606B British Standard

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller       |       | Pin   |        |      |      |      | Side Plate |           | Minimum Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |      |
|--------------------|-------|------------------|--------------|-------|-------|--------|------|------|------|------------|-----------|--|-----------------------------------|--|------|
|                    |       |                  | Inside Width | Dia.  | Dia.  | Length |      |      |      | Height     | Thickness |  |                                   |  |      |
|                    |       |                  | W            | R     | D     | L1     | L2   | LR   | LC   | H          | To        |  |                                   |  | Ti   |
| 06BSS              | inch  | 0.375            | 0.225        | 0.250 | 0.130 | 0.27   | 0.40 | 0.54 | 0.67 | 0.325      | 0.039     | 0.051                                    | 1,390                             | 60                                     | 0.26 |
|                    | mm    | 9.525            | 5.72         | 6.35  | 3.28  | 6.8    | 10.1 | 13.6 | 16.9 | 8.26       | 1.00      | 1.30                                     | 632                               | 27                                     | 0.39 |
| 08BSS              | inch  | 0.500            | 0.305        | 0.335 | 0.175 | 0.33   | 0.49 | 0.66 | 0.82 | 0.465      | 0.059     |  | 2,315                             | 105                                    | 0.62 |
|                    | mm    | 12.70            | 7.75         | 8.51  | 4.45  | 8.5    | 12.4 | 17.0 | 20.9 | 11.81      | 1.50      |  | 1,050                             | 48                                     | 0.92 |
| 10BSS              | inch  | 0.625            | 0.380        | 0.400 | 0.200 | 0.39   | 0.55 | 0.78 | 0.94 | 0.580      | 0.065     |  | 3,530                             | 145                                    | 0.83 |
|                    | mm    | 15.875           | 9.65         | 10.16 | 5.08  | 9.8    | 13.9 | 19.6 | 23.7 | 14.73      | 1.65      |  | 1,605                             | 66                                     | 1.24 |
| 12BSS              | inch  | 0.750            | 0.460        | 0.475 | 0.225 | 0.45   | 0.63 | 0.90 | 1.26 | 0.635      | 0.067     | 0.071                                    | 4,070                             | 195                                    | 0.83 |
|                    | mm    | 19.05            | 11.68        | 12.07 | 5.7   | 11.4   | 16.0 | 22.8 | 32.0 | 16.13      | 1.70      | 1.80                                     | 1,850                             | 89                                     | 1.24 |
| 16BSS              | inch  | 1.000            | 0.670        | 0.625 | 0.325 | 0.71   | 0.92 | 1.42 | 1.63 | 0.830      | 0.126     | 0.157                                    | 9,490                             | 455                                    | 1.78 |
|                    | mm    | 25.40            | 17.02        | 15.88 | 8.26  | 18.1   | 23.5 | 36.2 | 41.6 | 21.08      | 3.20      | 4.00                                     | 4,315                             | 207                                    | 2.65 |

## 304 Stainless Steel Roller Chain



Standard Roller



Large Roller

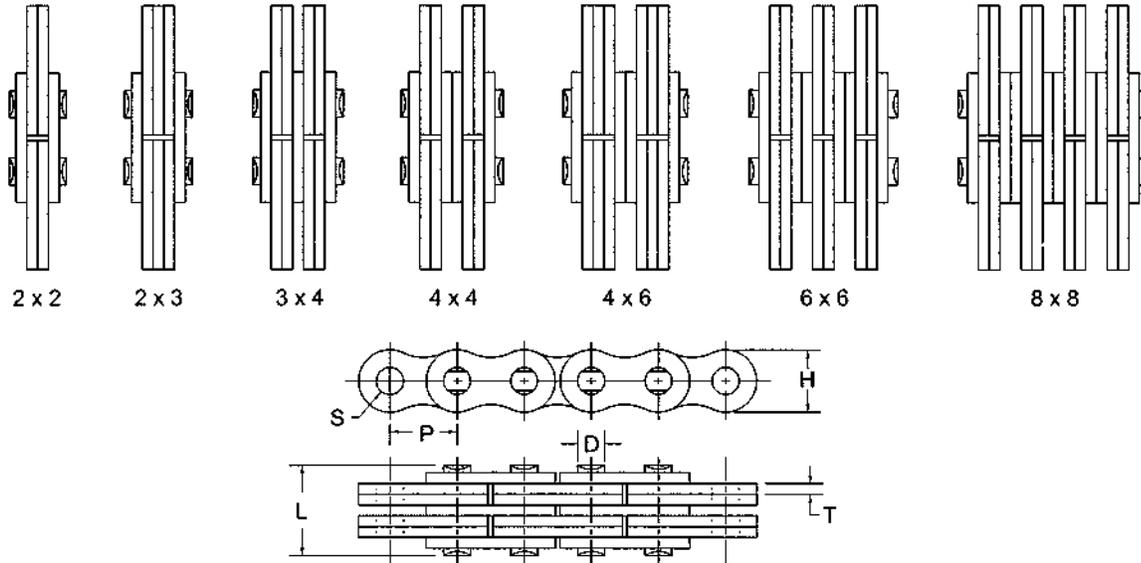
### Chain Dimensions - Standard Roller

| MAXCO Chain Number | Units | Chain Pitch<br>P | Roller   |                   |          | Pin    |      |      |      | Side Plate  |             | Average Ultimate Strength<br>Lbs<br>Kg-f | Rated Working Load<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|------------------|----------|-------------------|----------|--------|------|------|------|-------------|-------------|--|-----------------------------------|--|
|                    |       |                  | Dia<br>R | Inside Width<br>W | Dia<br>D | Length |      |      |      | Height<br>H | Thick.<br>T |  |                                   |  |
| C2040SS            | inch  | 1.000            | 0.312    | 0.313             | 0.156    | 0.35   | 0.50 | 0.70 | 0.85 | 0.472       | 0.059       | 2,790                                    | 100                               | 0.33                                   |
|                    | mm    | 25.40            | 7.92     | 7.95              | 3.96     | 8.9    | 12.8 | 17.8 | 21.7 | 12.00       | 1.50        | 1,270                                    | 45                                | 0.49                                   |
| C2050SS            | inch  | 1.250            | 0.400    | 0.375             | 0.200    | 0.43   | 0.59 | 0.86 | 1.02 | 0.591       | 0.079       | 4,560                                    | 150                               | 0.56                                   |
|                    | mm    | 31.75            | 10.16    | 9.53              | 5.08     | 10.9   | 15.0 | 21.8 | 25.9 | 15.00       | 2.00        | 2,075                                    | 68                                | 0.84                                   |
| C2060HSS           | inch  | 1.500            | 0.469    | 0.500             | 0.234    | 0.59   | 0.78 | 1.19 | 1.37 | 0.709       | 0.126       | 6,160                                    | 250                               | 0.97                                   |
|                    | mm    | 38.10            | 11.91    | 12.70             | 5.95     | 15.1   | 19.7 | 30.2 | 34.8 | 18.00       | 3.20        | 2,800                                    | 114                               | 1.45                                   |
| C2080HSS           | inch  | 2.000            | 0.625    | 0.625             | 0.312    | 0.74   | 0.95 | 1.47 | 1.69 | 0.949       | 0.157       | 10,590                                   | 420                               | 1.62                                   |
|                    | mm    | 50.80            | 15.88    | 15.88             | 7.93     | 18.7   | 24.1 | 37.4 | 42.8 | 24.10       | 4.00        | 4,815                                    | 191                               | 2.41                                   |
| C2100HSS           | inch  | 2.500            | 0.750    | 0.750             | 0.375    | 0.88   | 1.12 | 1.75 | 1.99 | 1.185       | 0.189       | 12,790                                   | 600                               | 2.35                                   |
|                    | mm    | 63.50            | 19.05    | 19.05             | 9.53     | 22.3   | 28.4 | 44.5 | 50.6 | 30.10       | 4.80        | 5,815                                    | 273                               | 3.50                                   |
| C2120HSS           | inch  | 3.000            | 0.875    | 1.000             | 0.437    | 1.08   | 1.34 | 2.17 | 2.43 | 1.425       | 0.220       | 17,200                                   | 900                               | 4.02                                   |
|                    | mm    | 76.20            | 22.23    | 25.40             | 11.10    | 27.5   | 34.1 | 55.0 | 61.6 | 36.20       | 5.60        | 7,820                                    | 409                               | 6.00                                   |

### Chain Dimensions - Large Roller

|          |      |       |       |       |       |      |      |      |      |       |       |        |     |      |
|----------|------|-------|-------|-------|-------|------|------|------|------|-------|-------|--------|-----|------|
| C2042SS  | inch | 1.000 | 0.625 | 0.313 | 0.156 | 0.35 | 0.50 | 0.70 | 0.85 | 0.472 | 0.059 | 2,790  | 100 | 0.58 |
|          | mm   | 25.40 | 15.88 | 7.95  | 3.96  | 8.9  | 12.8 | 17.8 | 21.7 | 12.00 | 1.50  | 1,270  | 45  | 0.86 |
| C2052SS  | inch | 1.250 | 0.750 | 0.375 | 0.200 | 0.43 | 0.59 | 0.86 | 1.02 | 0.591 | 0.079 | 4,560  | 150 | 0.89 |
|          | mm   | 31.75 | 19.05 | 9.53  | 5.08  | 10.9 | 15.0 | 21.8 | 25.9 | 15.00 | 2.00  | 2,075  | 68  | 1.32 |
| C2062HSS | inch | 1.500 | 0.875 | 0.500 | 0.234 | 0.59 | 0.78 | 1.19 | 1.37 | 0.709 | 0.126 | 6,160  | 250 | 1.46 |
|          | mm   | 38.10 | 22.23 | 12.70 | 5.95  | 15.1 | 19.7 | 30.2 | 34.8 | 18.00 | 3.20  | 2,800  | 114 | 2.17 |
| C2082HSS | inch | 2.000 | 1.125 | 0.625 | 0.312 | 0.74 | 0.95 | 1.47 | 1.69 | 0.949 | 0.157 | 10,590 | 420 | 1.92 |
|          | mm   | 50.80 | 28.58 | 15.88 | 7.93  | 18.7 | 24.1 | 37.4 | 42.8 | 24.10 | 4.00  | 4,815  | 191 | 2.87 |
| C2102HSS | inch | 2.500 | 1.562 | 0.750 | 0.375 | 0.88 | 1.12 | 1.75 | 1.99 | 1.185 | 0.189 | 12,790 | 600 | 3.14 |
|          | mm   | 63.50 | 39.67 | 19.05 | 9.53  | 22.3 | 28.4 | 44.5 | 50.6 | 30.10 | 4.80  | 5,815  | 273 | 4.68 |
| C2122HSS | inch | 3.000 | 1.750 | 1.000 | 0.437 | 1.08 | 1.34 | 2.17 | 2.43 | 1.425 | 0.220 | 17,200 | 900 | 5.36 |
|          | mm   | 76.20 | 44.45 | 25.40 | 11.10 | 27.5 | 34.1 | 55.0 | 61.6 | 36.20 | 5.60  | 7,820  | 409 | 8.00 |

# ASME/ANSI AL Series Leaf Chain



## Chain Dimensions

| MAXCO Chain Number | Units | Lacing | Chain Pitch<br>P | Pin      |              | Side Plate  |             | Hole Dia.<br>S | Minimum Ultimate Strength<br>Lbs<br>Kg-f | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|--------|------------------|----------|--------------|-------------|-------------|----------------|--|--|--|
|                    |       |        |                  | Dia<br>D | Length<br>L1 | Height<br>H | Thick.<br>T |                |  |  |  |
| AL422              | inch  | 2 x 2  | 0.500            | 0.157    | 0.33         | 0.410       | 0.062       | 0.1575         | 3,300                                    | 3,970                                    | 0.24                                   |
|                    | mm    |        | 12.70            | 3.98     | 8.4          | 10.41       | 1.57        | 4.00           | 1,500                                    | 1,805                                    | 0.36                                   |
| AL444              | inch  | 4 x 4  |                  |          | 0.59         |             |             |                | 6,600                                    | 7,940                                    | 0.48                                   |
|                    | mm    |        |                  |          | 14.9         |             |             |                | 3,000                                    | 3,610                                    | 0.71                                   |
| AL466              | inch  | 6 x 6  |                  |          | 0.84         |             |             |                | 9,900                                    | 11,900                                   | 0.82                                   |
|                    | mm    |        |                  |          | 21.3         |             |             |                | 4,500                                    | 5,410                                    | 1.22                                   |
| AL522              | inch  | 2 x 2  | 0.625            | 0.200    | 0.43         | 0.513       | 0.082       | 0.2016         | 5,500                                    | 6,830                                    | 0.42                                   |
|                    | mm    |        | 15.875           | 5.09     | 11.0         | 13.03       | 2.08        | 5.12           | 2,500                                    | 3,105                                    | 0.63                                   |
| AL544              | inch  | 4 x 4  |                  |          | 0.77         |             |             |                | 11,000                                   | 13,670                                   | 0.82                                   |
|                    | mm    |        |                  |          | 19.5         |             |             |                | 5,000                                    | 6,215                                    | 1.23                                   |
| AL566              | inch  | 6 x 6  |                  |          | 1.10         |             |             |                | 16,500                                   | 27,340                                   | 1.41                                   |
|                    | mm    |        |                  |          | 28.0         |             |             |                | 7,500                                    | 12,425                                   | 2.10                                   |
| AL622              | inch  | 2 x 2  | 0.750            | 0.235    | 0.51         | 0.615       | 0.096       | 0.2354         | 7,500                                    | 9,700                                    | 0.60                                   |
|                    | mm    |        | 19.05            | 5.96     | 12.9         | 15.62       | 2.44        | 5.98           | 3,410                                    | 4,410                                    | 0.90                                   |
| AL644              | inch  | 4 x 4  |                  |          | 0.90         |             |             |                | 15,000                                   | 19,400                                   | 1.18                                   |
|                    | mm    |        |                  |          | 22.8         |             |             |                | 6,820                                    | 8,820                                    | 1.76                                   |
| AL666              | inch  | 6 x 6  |                  |          | 1.29         |             |             |                | 22,500                                   | 29,100                                   | 2.03                                   |
|                    | mm    |        |                  |          | 32.7         |             |             |                | 10,225                                   | 13,225                                   | 3.03                                   |
| AL822              | inch  | 2 x 2  | 1.000            | 0.313    | 0.68         | 0.820       | 0.130       | 0.3134         | 13,000                                   | 16,750                                   | 0.99                                   |
|                    | mm    |        | 25.40            | 7.94     | 17.4         | 20.83       | 3.30        | 7.96           | 5,910                                    | 7,615                                    | 1.48                                   |
| AL844              | inch  | 4 x 4  |                  |          | 1.21         |             |             |                | 26,000                                   | 33,510                                   | 1.96                                   |
|                    | mm    |        |                  |          | 30.8         |             |             |                | 11,820                                   | 15,230                                   | 2.92                                   |
| AL866              | inch  | 6 x 6  |                  |          | 1.74         |             |             |                | 39,000                                   | 50,260                                   | 3.33                                   |
|                    | mm    |        |                  |          | 44.2         |             |             |                | 17,725                                   | 22,845                                   | 4.97                                   |

## ASME/ANSI BL Series Leaf Chain

### Chain Dimensions

| MAXCO Chain Number | Units | Lacing | Chain Pitch<br>P | Pin      |              | Side Plate  |             | Hole Dia.<br>S | Minimum Ultimate Strength<br>Lbs<br>Kg-f | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|--------|------------------|----------|--------------|-------------|-------------|----------------|--|--|--|
|                    |       |        |                  | Dia<br>D | Length<br>L1 | Height<br>H | Thick.<br>T |                |  |  |  |
|                    |       |        |                  |          |              |             |             |                |  |  |  |
| BL423              | inch  | 2 x 3  | 0.500            | 0.200    | 0.52         | 0.475       | 0.082       | 0.2016         | 5,000                                    | 6,610                                    | 0.52                                   |
|                    | mm    |        | 12.70            | 5.09     | 13.2         | 12.07       | 2.08        | 5.12           | 2,275                                    | 3,005                                    | 0.77                                   |
| BL434              | inch  | 3 x 4  |                  |          | 0.69         |             |             |                | 7,500                                    | 9,920                                    | 0.72                                   |
|                    | mm    |        |                  |          | 17.4         |             |             |                | 3,410                                    | 4,510                                    | 1.07                                   |
| BL444              | inch  | 4 x 4  |                  |          | 0.77         |             |             |                | 10,000                                   | 13,230                                   | 0.80                                   |
|                    | mm    |        |                  |          | 19.5         |             |             |                | 4,545                                    | 6,015                                    | 1.19                                   |
| BL446              | inch  | 4 x 6  |                  |          | 0.94         |             |             |                | 10,000                                   | 13,230                                   | 0.99                                   |
|                    | mm    |        |                  |          | 23.8         |             |             |                | 4,545                                    | 6,015                                    | 1.48                                   |
| BL466              | inch  | 6 x 6  |                  |          | 1.10         |             |             |                | 15,000                                   | 19,840                                   | 1.21                                   |
|                    | mm    |        |                  |          | 28.0         |             |             |                | 6,820                                    | 9,020                                    | 1.80                                   |
| BL523              | inch  | 2 x 3  | 0.625            | 0.234    | 0.61         | 0.594       | 0.096       | 0.2354         | 7,500                                    | 9,700                                    | 0.76                                   |
|                    | mm    |        | 15.875           | 5.96     | 15.4         | 15.09       | 2.44        | 5.98           | 3,410                                    | 4,410                                    | 1.13                                   |
| BL534              | inch  | 3 x 4  |                  |          | 0.80         |             |             |                | 11,000                                   | 14,550                                   | 1.05                                   |
|                    | mm    |        |                  |          | 20.3         |             |             |                | 5,000                                    | 6,615                                    | 1.56                                   |
| BL544              | inch  | 4 x 4  |                  |          | 0.90         |             |             |                | 15,000                                   | 19,400                                   | 1.19                                   |
|                    | mm    |        |                  |          | 22.8         |             |             |                | 6,820                                    | 8,820                                    | 1.78                                   |
| BL546              | inch  | 4 x 6  |                  |          | 1.09         |             |             |                | 15,000                                   | 19,400                                   | 1.49                                   |
|                    | mm    |        |                  |          | 27.7         |             |             |                | 6,820                                    | 8,820                                    | 2.22                                   |
| BL566              | inch  | 6 x 6  |                  |          | 1.29         |             |             |                | 22,500                                   | 29,100                                   | 1.84                                   |
|                    | mm    |        |                  |          | 32.7         |             |             |                | 1,025                                    | 13,225                                   | 2.74                                   |
| BL623              | inch  | 2 x 3  | 0.750            | 0.312    | 0.82         | 0.713       | 0.130       | 0.3134         | 14,300                                   | 15,430                                   | 1.22                                   |
|                    | mm    |        | 19.05            | 7.94     | 20.7         | 18.11       | 3.30        | 7.96           | 6,500                                    | 7,015                                    | 1.82                                   |
| BL634              | inch  | 3 x 4  |                  |          | 1.08         |             |             |                | 21,500                                   | 23,150                                   | 1.69                                   |
|                    | mm    |        |                  |          | 27.4         |             |             |                | 9,775                                    | 10,525                                   | 2.52                                   |
| BL644              | inch  | 4 x 4  |                  |          | 1.21         |             |             |                | 28,700                                   | 30,870                                   | 1.92                                   |
|                    | mm    |        |                  |          | 30.8         |             |             |                | 13,045                                   | 14,030                                   | 2.87                                   |
| BL646              | inch  | 4 x 6  |                  |          | 1.48         |             |             |                | 28,700                                   | 30,870                                   | 2.39                                   |
|                    | mm    |        |                  |          | 37.5         |             |             |                | 13,045                                   | 14,030                                   | 3.57                                   |
| BL666              | inch  | 6 x 6  |                  |          | 1.74         |             |             |                | 42,800                                   | 46,300                                   | 2.86                                   |
|                    | mm    |        |                  |          | 44.2         |             |             |                | 19,455                                   | 21,045                                   | 4.27                                   |
| BL823              | inch  | 2 x 3  | 1.000            | 0.376    | 1.00         | 0.950       | 0.161       | 0.3764         | 19,000                                   | 25,350                                   | 2.11                                   |
|                    | mm    |        | 25.40            | 9.54     | 25.5         | 24.13       | 4.09        | 9.56           | 8,618                                    | 11,525                                   | 3.15                                   |
| BL834              | inch  | 3 x 4  |                  |          | 1.33         |             |             |                | 29,000                                   | 38,030                                   | 2.93                                   |
|                    | mm    |        |                  |          | 33.8         |             |             |                | 13,154                                   | 17,285                                   | 4.37                                   |
| BL844              | inch  | 4 x 4  |                  |          | 1.49         |             |             |                | 38,000                                   | 50,710                                   | 3.34                                   |
|                    | mm    |        |                  |          | 37.9         |             |             |                | 17,236                                   | 23,050                                   | 4.98                                   |
| BL846              | inch  | 4 x 6  |                  |          | 1.82         |             |             |                | 38,000                                   | 50,710                                   | 4.16                                   |
|                    | mm    |        |                  |          | 46.2         |             |             |                | 17,236                                   | 23,050                                   | 6.20                                   |
| BL866              | inch  | 6 x 6  |                  |          | 2.14         |             |             |                | 57,000                                   | 76,060                                   | 5.03                                   |
|                    | mm    |        |                  |          | 54.5         |             |             |                | 25,854                                   | 34,575                                   | 7.50                                   |

# ASME/ANSI BL Series Leaf Chain

## Chain Dimensions

| MAXCO Chain Number | Units | Lacing | Chain Pitch<br>P | Pin      |              | Side Plate  |             | Hole Dia.<br>S | Minimum Ultimate Strength<br>Lbs<br>Kg-f | Average Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|--------|------------------|----------|--------------|-------------|-------------|----------------|--|--|--|
|                    |       |        |                  | Dia<br>D | Length<br>L1 | Height<br>H | Thick.<br>T |                |  |  |  |
|                    |       |        |                  |          |              |             |             |                |  |  |  |
| BL1023             | inch  | 2 x 3  | 1.250            | 0.437    | 1.19         | 1.188       | 0.193       | 0.4386         | 26,000                                   | 34,170                                   | 2.58                                   |
|                    | mm    |        | 31.75            | 11.10    | 30.3         | 30.18       | 4.90        | 11.14          | 11,820                                   | 15,530                                   | 3.85                                   |
| BL1034             | inch  | 3 x 4  |                  |          | 1.58         |             |             |                | 39,000                                   | 51,260                                   | 3.92                                   |
|                    | mm    |        |                  |          | 40.2         |             |             |                | 17,725                                   | 23,300                                   | 5.84                                   |
| BL1044             | inch  | 4 x 4  |                  |          | 1.78         |             |             |                | 52,000                                   | 68,340                                   | 4.83                                   |
|                    | mm    |        |                  |          | 45.2         |             |             |                | 23,635                                   | 31,065                                   | 7.20                                   |
| BL1046             | inch  | 4 x 6  |                  |          | 2.17         |             |             |                | 52,000                                   | 68,340                                   | 4.18                                   |
|                    | mm    |        |                  |          | 55.1         |             |             |                | 23,635                                   | 31,065                                   | 6.24                                   |
| BL1066             | inch  | 6 x 6  |                  |          | 2.56         |             |             |                | 78,000                                   | 102,510                                  | 7.13                                   |
|                    | mm    |        |                  |          | 65.0         |             |             |                | 35,455                                   | 46,595                                   | 10.6                                   |
| BL1223             | inch  | 2 x 3  | 1.500            | 0.500    | 1.39         | 1.425       | 0.227       | 0.5016         | 34,000                                   | 45,200                                   | 4.39                                   |
|                    | mm    |        | 38.10            | 12.7     | 35.4         | 36.20       | 5.77        | 12.74          | 15,455                                   | 30,815                                   | 6.54                                   |
| BL1234             | inch  | 3 x 4  |                  |          | 1.85         |             |             |                | 51,000                                   | 67,790                                   | 6.10                                   |
|                    | mm    |        |                  |          | 47.1         |             |             |                | 23,180                                   | 41,085                                   | 9.10                                   |
| BL1244             | inch  | 4 x 4  |                  |          | 2.08         |             |             |                | 68,000                                   | 90,390                                   | 6.97                                   |
|                    | mm    |        |                  |          | 52.9         |             |             |                | 30,910                                   | 41,085                                   | 10.4                                   |
| BL1246             | inch  | 4 x 6  |                  |          | 2.54         |             |             |                | 68,000                                   | 90,390                                   | 8.05                                   |
|                    | mm    |        |                  |          | 64.5         |             |             |                | 30,910                                   | 61,625                                   | 12.0                                   |
| BL1266             | inch  | 6 x 6  |                  |          | 3.00         |             |             |                | 102,000                                  | 135,580                                  | 9.78                                   |
|                    | mm    |        |                  |          | 76.2         |             |             |                | 46,365                                   | 26,055                                   | 14.6                                   |
| BL1423             | inch  | 2 x 3  | 1.750            | 0.562    | 1.58         | 1.663       | 0.258       | 0.5634         | 43,000                                   | 57,320                                   | 6.07                                   |
|                    | mm    |        | 44.45            | 14.28    | 40.2         | 42.24       | 6.55        | 14.31          | 19,545                                   | 39,080                                   | 9.05                                   |
| BL1434             | inch  | 3 x 4  |                  |          | 2.10         |             |             |                | 64,500                                   | 85,980                                   | 8.45                                   |
|                    | mm    |        |                  |          | 53.4         |             |             |                | 29,320                                   | 52,110                                   | 12.6                                   |
| BL1444             | inch  | 4 x 4  |                  |          | 2.36         |             |             |                | 86,000                                   | 114,640                                  | 9.66                                   |
|                    | mm    |        |                  |          | 60.0         |             |             |                | 39,090                                   | 52,110                                   | 14.4                                   |
| BL1446             | inch  | 4 x 6  |                  |          | 2.88         |             |             |                | 86,000                                   | 114,640                                  | 12.1                                   |
|                    | mm    |        |                  |          | 73.2         |             |             |                | 39,090                                   | 52,110                                   | 18.0                                   |
| BL1466             | inch  | 6 x 6  |                  |          | 3.40         |             |             |                | 129,000                                  | 171,960                                  | 14.4                                   |
|                    | mm    |        |                  |          | 86.4         |             |             |                | 58,635                                   | 78,165                                   | 21.5                                   |
| BL1623             | inch  | 2 x 3  | 2.000            | 0.687    | 1.83         | 1.900       | 0.296       | 0.6886         | 65,000                                   | 72,750                                   | 8.12                                   |
|                    | mm    |        | 50.80            | 17.45    | 46.6         | 48.26       | 7.52        | 17.49          | 29,545                                   | 33,070                                   | 12.1                                   |
| BL1634             | inch  | 3 x 4  |                  |          | 2.43         |             |             |                | 97,500                                   | 114,640                                  | 11.3                                   |
|                    | mm    |        |                  |          | 61.7         |             |             |                | 44,320                                   | 52,110                                   | 16.9                                   |
| BL1644             | inch  | 4 x 4  |                  |          | 2.73         |             |             |                | 130,000                                  | 145,500                                  | 12.9                                   |
|                    | mm    |        |                  |          | 69.3         |             |             |                | 59,090                                   | 66,135                                   | 19.2                                   |
| BL1646             | inch  | 4 x 6  |                  |          | 3.32         |             |             |                | 130,000                                  | 145,500                                  | 16.0                                   |
|                    | mm    |        |                  |          | 84.4         |             |             |                | 59,090                                   | 66,135                                   | 23.9                                   |
| BL1666             | inch  | 6 x 6  |                  |          | 3.92         |             |             |                | 195,000                                  | 218,260                                  | 19.3                                   |
|                    | mm    |        |                  |          | 99.6         |             |             |                | 88,635                                   | 99,210                                   | 28.7                                   |

## ISO LL Series Leaf Chain

### Chain Dimensions

| MAXCO Chain Number | Units | Lacing | Chain Pitch<br>P | Pin      |              | Side Plate  |             | Hole Dia.<br>S | Minimum Ultimate Strength<br>Lbs<br>Kg-f | Average Chain Weight<br>Lbs/ft<br>Kg/m |
|--------------------|-------|--------|------------------|----------|--------------|-------------|-------------|----------------|--|--|
|                    |       |        |                  | Dia<br>D | Length<br>L1 | Height<br>H | Thick.<br>T |                |  |  |
|                    |       |        |                  |          |              |             |             |                |  |  |
| LL0822             | inch  | 2 x 2  | 0.500            | 0.175    | 0.33         | 0.430       | 0.061       | 0.1756         | 4,000                                    | 0.24                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL0844             | inch  | 4 x 4  |                  |          | 0.57         |             |             |                | 6,990                                    | 0.46                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL0866             | inch  | 6 x 6  |                  |          | 0.81         |             |             |                | 10,000                                   | 0.70                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL1022             | inch  | 2 x 2  | 0.625            | 0.200    | 0.37         | 0.540       | 0.065       | 0.2004         | 4,990                                    | 0.34                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL1044             | inch  | 4 x 4  |                  |          | 0.63         |             |             |                | 10,000                                   | 0.67                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL1066             | inch  | 6 x 6  |                  |          | 0.90         |             |             |                | 15,000                                   | 0.99                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL1222             | inch  | 2 x 2  | 0.750            | 0.225    | 0.42         | 0.635       | 0.075       | 0.2256         | 6,500                                    | 0.50                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL1244             | inch  | 4 x 4  |                  |          | 0.73         |             |             |                | 12,990                                   | 0.97                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL1266             | inch  | 6 x 6  |                  |          | 1.04         |             |             |                | 19,490                                   | 1.45                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL1622             | inch  | 2 x 2  | 1.000            | 0.326    | 0.68         | 0.830       | 0.126       | 0.3268         | 13,040                                   | 1.05                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL1644             | inch  | 4 x 4  |                  |          | 1.19         |             |             |                | 26,080                                   | 2.07                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL1666             | inch  | 6 x 6  |                  |          | 1.70         |             |             |                | 39,120                                   | 3.08                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL2022             | inch  | 2 x 2  | 1.250            | 0.401    | 0.79         | 1.040       | 0.146       | 0.4020         | 21,360                                   | 1.35                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL2044             | inch  | 4 x 4  |                  |          | 1.38         |             |             |                | 42,710                                   | 2.64                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL2066             | inch  | 6 x 6  |                  |          | 1.97         |             |             |                | 64,070                                   | 3.93                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL2422             | inch  | 2 x 2  | 1.500            | 0.576    | 1.12         | 1.315       | 0.205       | 0.5768         | 38,220                                   | 2.80                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL2444             | inch  | 4 x 4  |                  |          | 1.94         |             |             |                | 76,430                                   | 5.69                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL2466             | inch  | 6 x 6  |                  |          | 2.77         |             |             |                | 114,650                                  | 8.18                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL2822             | inch  | 2 x 2  | 1.750            | 0.626    | 1.34         | 1.460       | 0.254       | 0.6268         | 44,960                                   | 3.49                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL2844             | inch  | 4 x 4  |                  |          | 2.36         |             |             |                | 89,920                                   | 6.77                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL2866             | inch  | 6 x 6  |                  |          | 3.39         |             |             |                | 134,890                                  | 9.99                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL3222             | inch  | 2 x 2  | 2.000            | 0.701    | 1.38         | 1.665       | 0.245       | 0.7020         | 58,450                                   | 4.71                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL3244             | inch  | 4 x 4  |                  |          | 2.40         |             |             |                | 116,900                                  | 8.62                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |
| LL3266             | inch  | 6 x 6  |                  |          | 3.43         |             |             |                | 175,350                                  | 12.4                                   |
|                    | mm    |        |                  |          |              |             |             |                |  |  |

# Installation, Lubrication and Maintenance

## Introduction

Certain minimum standards for installing and maintaining roller chains are assumed in designing, producing and specifying these products for service. If reasonable attention is paid to a few installation and maintenance procedures, roller chains will generally provide years of trouble free service life.

The following guidelines are intended to help users get the most out of their roller chain purchase. We note that this information is offered only as a guide. Original Equipment Manufacturers may offer information that conflicts with some items in this section. In these cases the user should follow the maintenance procedures as outlined by the Original Equipment Manufacturer.

## Steps Recommended for Installing Roller Chains on Drives

Please review the following steps when installing a new roller chain drive:

1. Make sure all components are in good running condition.
2. Make sure sprockets and shafts are properly aligned.
3. Connect the chain on the sprockets.
4. Assure correct lubrication per the Original Equipment Manufacturers suggestion or lacking that the guidelines available in the lubrication portion of this section.
5. Adjust the chain tension properly.
6. Assure appropriate Guarding is in place.

### WARNING - SAFETY INFORMATION

1. ALWAYS lock out equipment power switch before removing or installing roller chains.
2. ALWAYS use safety glasses to protect your eyes.
3. Wear protective clothing, gloves and safety shoes as appropriate.
4. Support the equipment to prevent uncontrolled movement of the roller chain and parts.
5. Use pressing equipment if possible to remove or install press fit type links. Tooling must be in good condition and properly used.
6. Do not attempt to connect or disconnect a roller chain unless you know the chain's construction including the correct direction for connecting link removal or insertion.

## Condition of Components

All components including chains, sprockets, shafts, bearing etc. should be in good running condition. Make sure that parts that exhibit excessive wear are replaced. We recommend new chains operate on new sprocket tooth faces when possible. Sometimes this can be accomplished by rotating the sprocket end for end, on non reversing drives, so that the driving surface of the tooth is "unused".

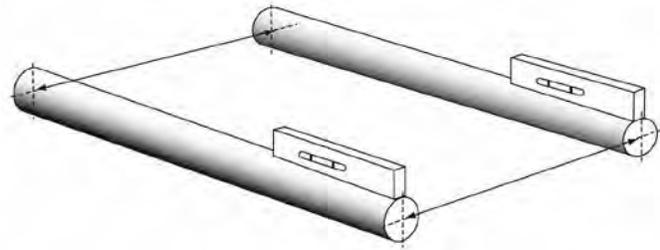
## Alignment of Shafts and Sprockets

Correct shaft and sprocket alignment is necessary to prevent uneven loading which can damage chains and sprocket tooth faces. Often improper alignment will manifest itself in rapid chain elongation or unusual wear on the chain link plates and/or sprocket teeth.

There are two necessary steps to achieve proper alignment as follows:

1. Make sure the shafts are parallel to each other.
2. Make sure the sprockets are "in line" with one another and not offset.

Tolerances for shaft parallelism and sprocket alignment are as follows:



Shaft Alignment

Shafts should be parallel within fairly close limits. We suggest using a machinist's level or feeler bar to make sure the shafts are located in the same plane. If shafts can move axially, lock them in place before attempting to align them.

### Tolerance for Shaft Alignment

For single strand roller chain drives:

$$\text{Tolerance} = 0.050 \text{ inch/ft (4.2mm per meter) or } 1/4 \text{ degree}$$

For high speed, high horsepower or multiple strand roller chain drives, use the following formula:

$$\text{Tolerance} = 0.00133 \times C / (P \times n) \text{ [Units: in/ft]}$$

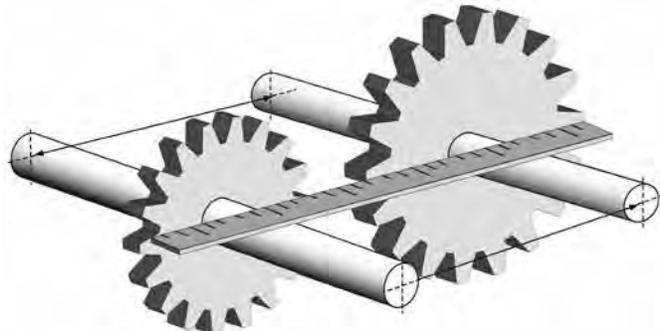
or

$$\text{Tolerance} = 0.111 \times c / (P \times n) \text{ [Units: mm/m]}$$

Note that: C = shaft center distance (inches or millimeters).

P = Chain pitch (inches or millimeters).

n = number of chain strands.



Sprocket Alignment

A straight edge or piano wire or other precision aligning tool to be sure the sprockets are not offset from one another.

### Tolerance for Sprocket Alignment

$$\text{Maximum Offset} = 0.045 \times P \text{ (inches or millimeters)}$$

Note that: P = Chain pitch (inches or millimeters).

# Installation, Lubrication and Maintenance

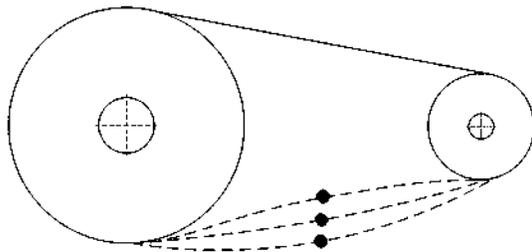
## Chain Tension Adjustment

The correct amount of slack in a roller chain drive is necessary for smooth operation. Measurement of mid-span movement is the best way to check that the chain is properly tensioned. After rotating one sprocket so that one side of the chain is tight use a straight edge to measure the movement of the slack side. Adjust center distances or idlers to achieve approximately 4% - 6% mid span movement (vs. the drives center distance) for horizontal to 45° inclined drives and 2% - 3% for drives that are inclined 45° to vertical or for drives that are subjected to high shock loadings.

## Recommended Mid-Span Movement

| Drive Position           | Tangent Length Between Sprockets<br>Inches - (millimeters) |                        |                        |                        |                         |                          |
|--------------------------|--|------------------------|------------------------|------------------------|-------------------------|--------------------------|
|                          | 10<br>(25.4)   | 20<br>(50.8)           | 30<br>(76.2)           | 50<br>(127)            | 70<br>(177.8)           | 100<br>(254)             |
| Horizontal to 45 degrees | 0.4 - 0.6<br>(10 - 15)                                     | 0.8 - 1.2<br>(20 - 30) | 1.2 - 1.8<br>(30 - 46) | 2.0 - 3.0<br>(51 - 76) | 2.8 - 4.2<br>(71 - 107) | 4.0 - 6.0<br>(102 - 152) |
| 45 degrees to Vertical   | 0.2 - 0.3<br>(5 - 8)                                       | 0.4 - 0.6<br>(10 - 15) | 0.6 - 0.9<br>(15 - 35) | 1.0 - 1.5<br>(25 - 38) | 1.4 - 2.1<br>(36 - 53)  | 2.0 - 3.0<br>(51 - 76)   |

## Movement of Slack Side of Chain

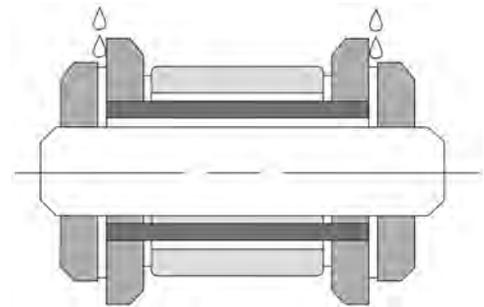
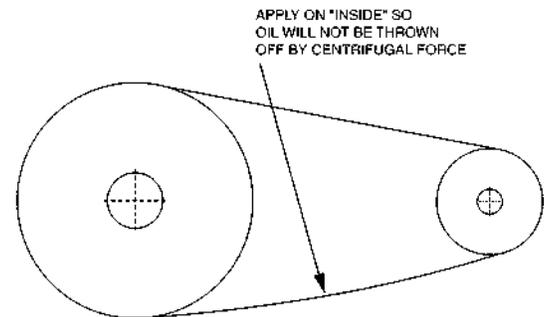


## Lubrication

The most effective way to assure long trouble free chain life is with effective lubrication. The correct selection of oil viscosity and the method of application depends on chain speed, chain load and ambient temperatures. We recommend the use of high quality non-detergent motor oils for most applications. Additives in oil can cause sludge build up and reduce the effectiveness of lubrication by preventing full penetration into the chain joint.

In general, the highest viscosity oil which, under the conditions of the drive (particularly its temperature) that can successfully penetrate into the chain pin/bushing bearing area will form the thickest film and offer the best protection to the drive. This film will help improve chain life by slowing the rate of wear elongation. Oils should be applied to the inside portion of the chain on the slack side - This will help prevent the oil from being thrown off by centrifugal force. In addition be sure to apply the oil between the link plates to lubricate the pin/bushing bearing area and at the roller edges to lubricate the inside diameter of the roller.

Please see the following illustrations:



Lubricate Between Link Plates and Roller Edges

## Recommended Oil Viscosity vs Operating Temperature

Lubricants for roller chain drives should have the following qualities:

1. Low enough viscosity to effectively penetrate into the internal bearing surfaces.
2. High enough viscosity to provide and maintain a sufficient film of lubricant under the existing load conditions.
3. Be free and clean of corrodents or containments.
4. Have the ability to maintain good lubricating properties under the existing load and environmental conditions of the drive.

The following table provides suggested grades of oil at various operating temperatures:

## Allowable Oil Viscosity vs Operating Temperatures

| Recommended Grade of Oil | Temperature (°F) | 4Temperature (°C) |
|--------------------------|------------------|-------------------|
| SAE 5                    | -50°F - 50°F     | -46°C - 10°C      |
| SAE 10                   | -20°F - 80°F     | -29°C - 27°C      |
| SAE 20                   | 10°F - 110°F     | -12°C - 43°C      |
| SAE 30                   | 20°F - 130°F     | -7°C - 54°C       |
| SAE 40                   | 30°F - 140°F     | -1°C - 60°C       |
| SAE 50                   | 40°F - 150°F     | 4°C - 65°C        |

# Installation, Lubrication and Maintenance

## Methods of Application For Lubricants

In the horsepower tables three types of lubricant application methods are included as part of the drive chain selection procedure for ASME/ANSI roller chains. They are:

- Type A: Manual or Drip Lubrication
- Type B: Oil Bath or Slinger Disc Lubrication
- Type C: Oil Stream or Pressure Spray Lubrication

This means that the roller chain is rated at a certain horsepower capacity provided the correct lubricant application method is followed. If these requirements are ignored severe reductions in chain life can result.

In general the lubricant application method will depend mostly on chain speed so that slow speed drives are lubricated manually or by automatic drip (Type A), moderate speed drives are lubricated in an oil bath or with a slinger disc (Type B) and high speed drives utilize pressure spray type applicators (Type C)

## Manual Lubrication (Type A)

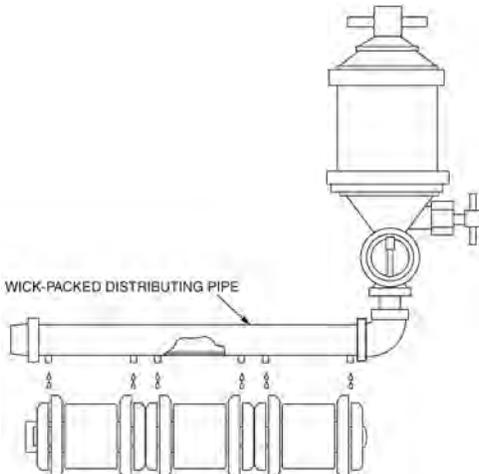
**IMPORTANT:** Manual lubrication is to be applied only when the drive chain is stopped and the motor power is locked out.

Oil is applied periodically with a brush or oil spout can. Lubrication once every eight hours of operation is suggested however the frequency should be adjusted as necessary to prevent the formation of red rust and oil dis-colorization. If dis-colorization is noted the chain should be removed, cleaned, re-lubricated and the lubrication frequency and/or amount should be increased.

## Drip Lubrication (Type A)

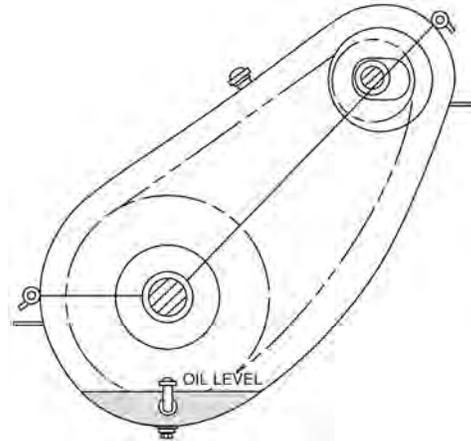
Oil is dripped between the link plates and at the roller edges at some regular rate from a drip lubricator. Drip rates may vary from 4 - 20 drops per minute depending on chain speed and load. As with manual lubrication the rate at which oil is applied should be sufficient to prevent red rust or any dis-colorization of the oil. Care should be taken that wind does not misdirect the oil drops. Also oil reservoir levels should be periodically checked to be sure that they do not run dry and thus fail to lubricate the chain.

Multiple strand chains require a distribution pipe which can feed oil to all the rows of the link plates. A wick packed distribution pipe is often required for this purpose as illustrated below:



## Oil Bath Lubrication (Type B)

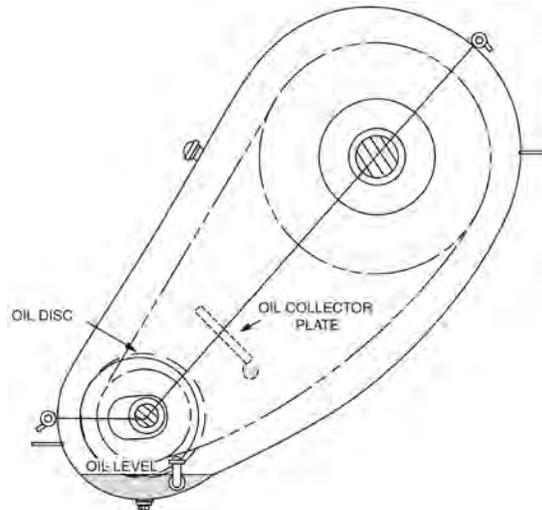
A short section of chain runs through an oil sump at the bottom of the chain casing. The level of oil should reach the pitch line of the chain at it's lowest point of operation. Horizontal or nearly horizontal drives that require long sections of chain to run through the bath are not ideal candidates for this type of lubrication method. Oil foaming and/ or overheating of the oil can result when long sections of chain run through the bath.



Typical Oil Bath Lubrication Method

## Slinger Disc Lubricator (Type B)

In a slinger disc lubrication system the chain operates above the level of the oil and a disc mounted dips into the oil and "slings" it onto a collector plate. The oil then runs through a trough or gutter and is distributed to the chain. The diameter of the disc should be sized to produce linear speeds at the rim of between 600ft/min - 800ft/min. Lower speeds may not effectively pick up the oil and higher speeds may cause over heating or foaming of the oil.



Typical Oil Slinger Disc Type Lubrication Method

# Installation, Lubrication and Maintenance

## Notes on Type B Lubrication

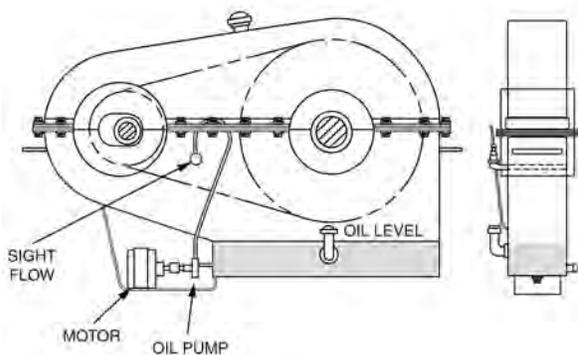
In both the oil bath and slinger disc lubrication methods the temperature of both the oil and the chain should not exceed 180°F (82°C). The volume of oil provided to the chain should be sufficient to prevent dis-colorization. After approximately eight hours of operation in both devices should be checked and filled as required. In addition the lubrication system should be checked for leaks, oil foaming or overheating at each inspection period.

## Oil Stream or Pressure Spray Lubrication (Type C)

In this system an oil pump delivers oil under pressure to, usually through a flexible hose, to nozzles, that direct a stream or spray of oil onto the chain. The oil should be delivered evenly across the entire chain width (especially important for multiple chain strands). As with other lubrication methods this stream is also applied on the inside of the slack portion of the chain strand.

Excess oil collects at the bottom of the chain casing and is returned to the pump's reservoir. Cooling may be accomplished by the dissipation of heat through the chain casing or by a heat exchanger. Oil levels should be checked at some regular interval (every 8 hours for example) and filled as required. As with other lubrication methods the system should be checked for leaks, foaming of the oil or overheating.

A typical Pressure spray lubrication system is illustrated below:



Typical Pressure Spray Type Lubrication Method

## Oil Flow Requirements for Oil Stream or Pressure Spray Devices

The table below gives the required oil flow necessary in a typical Oil Stream or Pressure Spray lubrication system according to the power transmitted by the drive.

| Transmitted Power |     | Minimum Oil Required |           | Transmitted Power |       | Minimum Oil Required |           |
|-------------------|-----|----------------------|-----------|-------------------|-------|----------------------|-----------|
| HP                | KW  | gal/min              | liter/min | HP                | KW    | gal/min              | liter/min |
| 50                | 37  | 0.25                 | 0.95      | 500               | 373   | 2.50                 | 9.46      |
| 100               | 75  | 0.50                 | 1.89      | 600               | 447   | 3.00                 | 11.40     |
| 150               | 112 | 0.75                 | 2.84      | 800               | 597   | 3.75                 | 14.20     |
| 200               | 149 | 1.00                 | 3.78      | 1,000             | 746   | 4.75                 | 18.00     |
| 300               | 224 | 1.50                 | 5.68      | 1,500             | 1,119 | 7.00                 | 26.50     |
| 400               | 298 | 2.00                 | 7.57      | 2,000             | 1,491 | 10.00                | 37.90     |

## Drive Chain Maintenance

In order to obtain maximum service life a maintenance plan should be developed that assures the following:

1. The drive must be effectively lubricated.
2. Damaged or worn out chains, sprockets, bearings or other components are replaced.
3. Sprockets and shafts are properly aligned.
4. Chains are correctly tensioned.
5. Any interferences are eliminated.
6. Appropriate guarding is in place and properly installed.

Roller Chains should be inspected after the first 50 hours of operation for the following:

1. Damage to chains or sprocket teeth.
2. Excessive chain and/or sprocket wear.
3. Interferences that can be identified by unusual noise or unusual wear marks or gouge marks on the chain itself.
4. Correctly functioning lubrication system.
5. Proper chain tension (adjust if necessary).

## Chain Wear

In most Roller Chain drive applications the chain is considered worn out when it has elongated 2% - 3% over its original length. Since elongation is caused most typically by pin/bushing wear these components will have become weakened and in need of replacement. In addition as the chain gets longer it may not operate over the sprocket correctly.

On drives with sprockets that have more than 100 teeth the maximum allowable elongation is less than 2% and is given by the following formula:

$$\text{Maximum Elongation Percentage} = 200 / N$$

N is the number of teeth on the largest sprocket. If for example the number of teeth on the large sprocket is 120 then the maximum allowable wear elongation is:

$$200 / 120 = 1.67\%$$

When measuring the length of a chain use a pair of calipers and measure an even number of pitches (8 Pitches or greater) on the tight side of the chain strand.

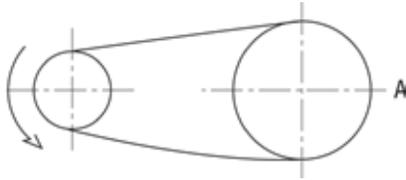
## Sprocket Tooth Wear

The following may indicate that the sprocket teeth are worn out and that the sprocket should be replaced:

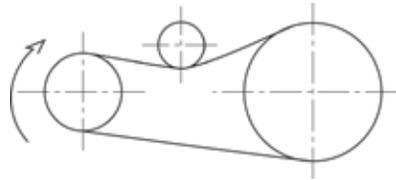
1. Sprocket teeth appear hooked.
2. Sprocket tooth thickness is reduced by 10% or more
3. Binding or clinging when the chain is new. This can be noted as the chain engages and disengages the sprocket.

# Drive Configurations

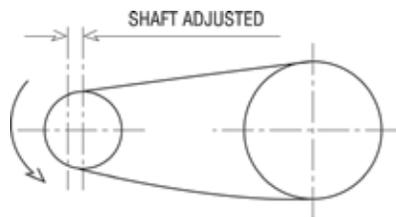
## Horizontal Drives



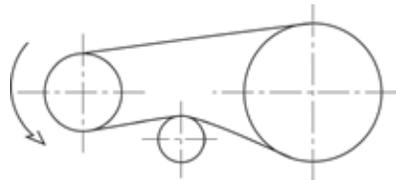
A. Slack Adjusted. The slack on the bottom side provides the pretension for the drive.



B. When the chain slack is on the upper side, a chain tensioner is used to provide the pretension for the drive.

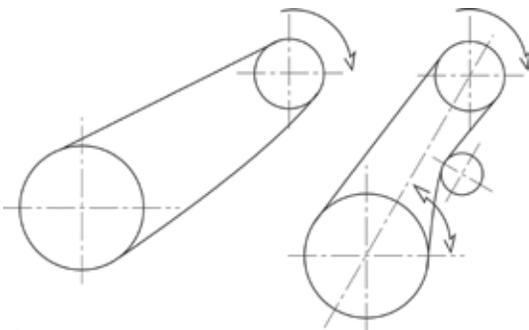


C. For short center distances (20 pitches or less) an adjustable jack shaft may be used so that the adjustable centers provide the pretension for the drive.



D. If center distance is long (50 pitches or more) a chain tensioner is required to apply pretension to the chain drive.

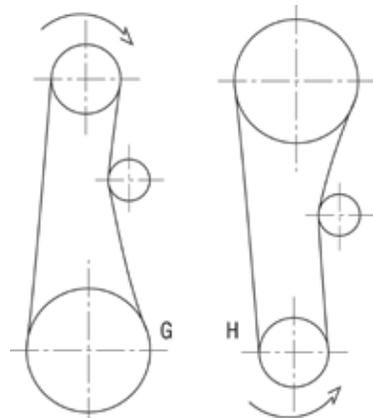
## Inclined Drives



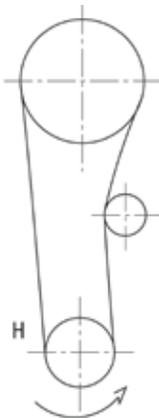
E. The incline angle should not exceed 60° without a chain tensioner.

F. A Chain tensioner is used for incline drives if the incline angle is greater than 60° or excess slack causes the chain to fall off the bottom sprocket.

## Vertical Drives



G. When a large sprocket is on the bottom of a vertical drive a chain tensioner is suggested so that the chain does not fall off the bottom sprocket.



H. When the small sprocket is on the bottom of a vertical drive a chain tensioner is required.

# Trouble Shooting Guide

## Trouble Shooting Guide

The table below lists some causes and remedies for common chain drive problems.

| Problem                               | Possible Causes   | Suggested Remedies   |
|---------------------------------------|---|--|
| Excessive Noise                       | <ul style="list-style-type: none"> <li>• Misalignment</li> <li>• Excessive slack</li> <li>• Chain and/or sprockets worn out</li> <li>• Too few sprocket teeth</li> <li>• Inadequate Lubrication</li> <li>• Obstruction</li> <li>• Loose casing or shaft mounts</li> </ul> | <ul style="list-style-type: none"> <li>• Align shafts and sprockets</li> <li>• Adjust chain tension</li> <li>• Replace chain and/or sprockets</li> <li>• Re-size chain drive</li> <li>• Lubricate properly</li> <li>• Remove obstruction</li> <li>• Tighten fasteners</li> </ul>                   |
| Chain Clings to Sprocket Teeth        | <ul style="list-style-type: none"> <li>• Misalignment</li> <li>• Sprockets are worn out</li> </ul>  | <ul style="list-style-type: none"> <li>• Align shafts and sprockets</li> <li>• Replace sprockets</li> </ul>  |
| Chain Climbs the Sprocket Teeth       | <ul style="list-style-type: none"> <li>• Chain and/or sprockets worn out</li> <li>• Excessive slack</li> <li>• Extreme overload</li> </ul>  | <ul style="list-style-type: none"> <li>• Replace chain and/or sprockets</li> <li>• Adjust chain tension</li> <li>• Eliminate cause of overload</li> </ul>  |
| Rust on Chains                        | <ul style="list-style-type: none"> <li>• Exposure to moisture</li> <li>• Water in lubricant</li> <li>• Inadequate lubrication</li> </ul>  | <ul style="list-style-type: none"> <li>• Use corrosion resistant chain</li> <li>• Change Lubricant.</li> <li>• Establish proper lubrication</li> </ul>   |
| Wear on one side of sprocket teeth    | <ul style="list-style-type: none"> <li>• Misalignment</li> </ul>  | <ul style="list-style-type: none"> <li>• Align shafts and sprockets</li> </ul>   |
| Chain is Stiff                        | <ul style="list-style-type: none"> <li>• Misalignment</li> <li>• Inadequate lubrication</li> <li>• Corrosion</li> <li>• Excessive chain loads</li> <li>• Material build up in chain joint</li> <li>• Peening of link plate edges</li> </ul>                               | <ul style="list-style-type: none"> <li>• Align shafts and sprockets</li> <li>• Provide proper lubrication</li> <li>• Use corrosion resistant chain</li> <li>• Resize the drive</li> <li>• Protect chain from foreign material</li> <li>• Remove obstruction</li> </ul>                             |
| Link Plate Breakage                   | <ul style="list-style-type: none"> <li>• Severe shock loading</li> <li>• Vibration</li> <li>• Pulsating drive conditions</li> <li>• Excessive chain loads</li> </ul>  | <ul style="list-style-type: none"> <li>• Reduce shock (Shock absorbers)</li> <li>• Install device to absorb vibration</li> <li>• too few sprocket teeth-resize drive</li> <li>• Resize the drive</li> </ul>  |
| Breakage of Pins, Bushings or Rollers | <ul style="list-style-type: none"> <li>• Chain speed too high</li> <li>• Extreme overload</li> <li>• Severe shock loading</li> <li>• Corrosive damage</li> <li>• Material build-up in tooth pocket</li> </ul>   | <ul style="list-style-type: none"> <li>• Evaluate drive chain selection</li> <li>• Eliminate cause of overload</li> <li>• Reduce shock or use stronger shock resistant chain</li> <li>• Use corrosion resistant chain</li> <li>• Remove material and protect drive from foreign matter.</li> </ul> |

# Product Index

| Chain Number | Product Type                    | Inspire Series® | ULTRA-MAX® | HI-MAX® | Chain Number | Product Type                    | Inspire Series® | ULTRA-MAX® | HI-MAX® |
|--------------|---------------------------------|-----------------|------------|---------|--------------|---------------------------------|-----------------|------------|---------|
| 05B          | British Standard                |                 | 134        | 150     | 12BMEGA II   | Brit Std. Mega II Stainless     |                 |            | 91      |
| 06B          | British Standard                | 44              | 134        | 150     | 12B-2        | British Standard                | 47              | 135        | 151     |
| 06BNP        | British Std. Nickel Plate       | 73              |            | 158     | 12B-2FS-C    | Brit Std Freedom Series®        | 101             |            |         |
| 06BPCP II    | Brit Std. Perfect Coat Plus II® | 77              |            |         | 12B-2NP      | Brit Std. Nickel Plate          | 73              |            |         |
| 06BPS        | Brit Std. Poly Steel            |                 |            | 93      | 12B-2PCP II  | Brit Std. Perfect Coat Plus II® | 77              |            |         |
| 06BSS        | Brit Std 304 Stainless Steel    | 81              |            | 160     | 12B-2SS      | Brit Std. 304 Stainless         | 8               |            |         |
| 06B-2        | British Standard                | 44              | 134        | 150     | 12B-2MEGA II | Brit Std. Mega II Stainless     |                 |            | 91      |
| 06B-2NP      | British Std. Nickel Plate       |                 |            |         | 12BE-2       | Brit Std. Thru Hardened Pin     |                 | 141        |         |
| 06B-2PCP II  | Brit Std. Perfect Coat Plus II® |                 |            |         | 12B-3        | British Standard                | 47              | 135        | 151     |
| 06B-2SS      | Brit Std 304 Stainless Steel    |                 |            |         | 12BE-3       | Brit Std. Thru Hardened Pin     |                 | 141        |         |
| 06B-3        | British Standard                | 44              | 134        | 150     | 16B          | British Standard                | 48              | 135        | 151     |
| 08B          | British Standard                | 45              | 134        | 150     | 16BE         | Brit Std. Thru Hardened Pin     |                 | 140        |         |
| 08BF         | Brit Std. Flat Side Bar         | 57              | 147        | 157     | 16BF         | Brit Std. Flat Side Bar         | 57              | 147        | 157     |
| 08BFS-C      | Brit Std. Freedom Series        | 101             |            |         | 16BFS-C      | Brit Std Freedom Series®        | 101             |            |         |
| 08BNP        | British Std. Nickel Plate       | 73              |            |         | 16BNP        | Brit Std. Nickel Plate          | 73              |            | 158     |
| 08BPCP II    | Brit Std. Perfect Coat Plus II® | 77              |            | 158     | 16BPCP II    | Brit Std. Perfect Coat Plus II® | 77              |            |         |
| 08BPS        | Brit Std. Poly Steel            |                 |            | 93      | 16BSS        | Brit Std. 304 Stainless         | 81              |            | 160     |
| 08BSS        | Brit Std 304 Stainless Steel    | 81              |            | 160     | 16BMEGA II   | Brit Std. Mega II Stainless     |                 |            | 91      |
| 08BMEGA II   | Brit Std. Mega II Stainless     |                 |            | 91      | 16B-2        | British Standard                | 48              | 135        | 151     |
| 08B-2        | British Standard                | 45              | 134        | 150     | 16B-2FS-C    | Brit Std Freedom Series®        | 101             |            |         |
| 08B-2FS-C    | Brit Std. Freedom Series        | 101             |            |         | 16B-2NP      | Brit Std. Nickel Plate          | 73              |            |         |
| 08B-2NP      | British Std. Nickel Plate       | 73              |            |         | 16B-2PCP II  | Brit Std. Perfect Coat Plus II® | 77              |            |         |
| 08B-2PCP II  | Brit Std. Perfect Coat Plus II® | 77              |            |         | 16B-2SS      | Brit Std. 304 Stainless         | 81              |            |         |
| 08B-2SS      | Brit Std 304 Stainless Steel    | 81              |            |         | 16B-2MEGA II | Brit Std. Mega II Stainless     |                 |            | 91      |
| 08B-2MEGA II | Brit Std. Mega II Stainless     |                 |            | 91      | 16BE-2       | Brit Std. Thru Hardened Pin     |                 | 141        |         |
| 08B-3        | British Standard                | 45              | 134        | 150     | 16B-3        | British Standard                | 48              | 135        | 151     |
| 10B          | British Standard                | 46              | 134        | 150     | 16BE-3       | Brit Std. Thru Hardened Pin     |                 | 141        |         |
| 10BE         | Brit Std. Thru Hardened Pin     |                 | 140        |         | 20B          | British Standard                | 49              | 135        | 151     |
| 10BF         | Brit Std. Flat Side Bar         | 57              | 147        | 157     | 20BE         | Brit Std. Thru Hardened Pin     |                 | 140        |         |
| 10BFS-C      | Brit Std. Freedom Series        | 101             |            |         | 20BF         | Brit Std. Flat Side Bar         | 57              | 147        | 157     |
| 10BNP        | British Std. Nickel Plate       | 73              |            | 158     | 20BFS-C      | Brit Std Freedom Series®        | 101             |            |         |
| 10BPCP II    | Brit Std. Perfect Coat Plus II® | 77              |            |         | 20BNP        | Brit Std. Nickel Plate          | 73              |            |         |
| 10BPS        | Brit Std. Poly Steel            |                 |            | 93      | 20BPCP II    | Brit Std. Perfect Coat Plus II® | 77              |            |         |
| 10BSS        | Brit Std 304 Stainless Steel    | 81              |            | 160     | 20B-2        | British Standard                | 49              | 135        | 151     |
| 10BMEGA II   | Brit Std. Mega II Stainless     |                 |            | 91      | 20B-2FS-C    | Brit Std Freedom Series®        | 101             |            |         |
| 10B-2        | British Standard                | 46              | 134        | 150     | 20B-2NP      | Brit Std. Nickel Plate          | 73              |            |         |
| 10B-2FS-C    | Brit Std. Freedom Series        | 101             |            |         | 20B-2PCP II  | Brit Std. Perfect Coat Plus II® | 77              |            |         |
| 10B-2NP      | British Std. Nickel Plate       | 73              |            |         | 20BE-2       | Brit Std. Thru Hardened Pin     |                 | 141        |         |
| 10B-2PCP II  | Brit Std. Perfect Coat Plus II® | 77              |            |         | 20B-3        | British Standard                | 48              | 135        | 151     |
| 10B-2SS      | Brit Std 304 Stainless Steel    | 81              |            |         | 20BE-3       | Brit Std. Thru Hardened Pin     |                 | 141        |         |
| 10B-2MEAG II | Brit Std. Mega II Stainless     |                 |            | 91      | 24B          | British Standard                | 50              | 135        | 151     |
| 10B-3        | British Standard                | 46              | 134        | 150     | 24BE         | Brit Std. Thru Hardened Pin     |                 | 140        |         |
| 12B          | British Standard                | 47              | 135        | 151     | 24BF         | Brit Std. Flat Side Bar         | 57              | 147        | 157     |
| 12BE         | Brit Std. Thru Hardened Pin     |                 | 140        |         | 24B-2        | British Standard                | 50              | 135        | 151     |
| 12BF         | Brit Std. Flat Side Bar         | 57              | 147        | 157     | 24BE-2       | Brit Std. Thru Hardened Pin     |                 | 141        |         |
| 12BFS-C      | Brit Std. Freedom Series        | 101             |            |         | 24B-3        | British Standard                | 50              | 135        | 151     |
| 12BNP        | British Std. Nickel Plate       | 73              |            | 158     | 24BE-3       | Brit Std. Thru Hardened Pin     |                 | 141        |         |
| 12BPCP II    | Brit Std. Perfect Coat Plus II® | 77              |            |         | 25           | ASME/ANSI Standard              | 12              | 132        | 148     |
| 12BPS        | Brit Std. Poly Steel            |                 |            | 93      | 25F          | ASME/ANSI Flat Side Bar         |                 | 146        |         |
| 12BSS        | Brit Std 304 Stainless Steel    | 81              |            | 160     | 25NP         | ASME/ANSI Nickel Plate          | 72              |            | 158     |

# Product Index

| Chain Number | Product Type                | Inspire Series® | ULTRA-MAX® | HI-MAX® | Chain Number | Product Type                | Inspire Series® | ULTRA-MAX® | HI-MAX® |
|--------------|-----------------------------|-----------------|------------|---------|--------------|-----------------------------|-----------------|------------|---------|
| 25PS         | ASME/ANSI Poly Steel        |                 |            | 93      | 40SS600      | ASME 600 Stainless          |                 | 84         |         |
| 25SS         | ASME/ANSI 304 Stainless     | 80              |            | 160     | 40SSH        | 304 Stainless Hollow Pin    | 108             |            |         |
| 25-2         | ASME/ANSI Standard          | 12              |            |         | 40-2         | ASME/ANSI Standard          | 18              | 132        | 148     |
| 25-3         | ASME/ANSI Standard          | 12              |            |         | 40-2FS-C     | Freedom Series® C-Type      | 100             |            |         |
| 28B          | British Standard            | 51              | 135        | 151     | 40-2NP       | ASME/ANSI Nickel Plate      | 72              |            |         |
| 28BE         | Brit Std. Thru Hardened Pin |                 | 140        |         | 40-2PCP II   | ANSI Perfect Coat Plus II®  | 76              |            |         |
| 28BF         | Brit Std Flat Side Bar      | 57              | 147        |         | 40-2SL       | ASME/ANSI Self Lube         | 97              |            |         |
| 28B-2        | British Standard            | 51              | 135        | 151     | 40-2SS       | ASME/ANSI 304 Stainless     | 80              |            |         |
| 28BE-2       | Brit Std. Thru Hardened Pin |                 | 141        |         | 40-2MEGA     | ANSI /ASME Mega             |                 |            | 89      |
| 28B-3        | British Standard            | 51              | 135        | 151     | 40-2MEGA II  | ANSI/ASME Mega II           |                 |            | 90      |
| 28BE-3       | Brit Std. Thru Hardened Pin |                 | 141        |         | 40-3         | ASME/ANSI Standard          | 18              | 132        | 148     |
| 32B          | British Standard            | 52              | 135        | 151     | 40-4         | ASME/ANSI Standard          | 18              |            |         |
| 32BE         | Brit Std. Thru Hardened Pin |                 | 140        |         | 40-5         | ASME/ANSI Standard          | 18              |            |         |
| 32BF         | Brit Std Flat Side Bar      | 57              | 147        |         | 40-6         | ASME/ANSI Standard          | 18              |            |         |
| 32B-2        | British Standard            | 52              | 135        | 151     | 40B          | British Standard            |                 | 135        | 151     |
| 32BE-2       | Brit Std. Thru Hardened Pin |                 | 141        |         | 40BE         | Brit Std. Thru Hardened Pin |                 | 140        |         |
| 32B-3        | British Standard            | 52              | 135        | 151     | 40B-2        | British Standard            |                 | 135        | 151     |
| 32BE-3       | Brit Std. Thru Hardened Pin |                 | 141        |         | 40BE-2       | Brit Std. Thru Hardened Pin |                 | 141        |         |
| 35           | ASME/ANSI Standard          | 14              | 132        | 148     | 40B-3        | British Standard            |                 | 135        | 151     |
| 35F          | ASME/ANSI Flat Side Bar     | 56              | 146        |         | 40BE-3       | Brit Std. Thru Hardened Pin |                 | 141        |         |
| 35NP         | ASME/ANSI Nickel Plate      | 72              |            | 158     | 41           | ASME/ANSI Standard          | 16              | 132        | 148     |
| 35PCP II     | ANSI Perfect Coat Plus II®  | 76              |            |         | 41NP         | ASME/ANSI Nickel Plate      | 72              |            |         |
| 35PS         | ASME/ANSI Poly Steel        | 93              |            |         | 41SS         | ASME/ANSI 304 Stainless     | 80              |            |         |
| 35SS         | ASME/ANSI 304 Stainless     | 80              |            | 160     | 48B          | British Standard            |                 | 135        | 151     |
| 35SS600      | ASME/ANSI 600 Stainless     |                 | 84         |         | 48BE         | Brit Std. Thru Hardened Pin |                 | 140        |         |
| 35-2         | ASME/ANSI Standard          | 14              | 132        | 148     | 48B-2        | British Standard            |                 | 135        | 151     |
| 35-2NP       | ASME/ANSI Nickel Plate      | 72              |            |         | 48BE-2       | Brit Std. Thru Hardened Pin |                 | 141        |         |
| 35-2PCP II   | ANSI Perfect Coat Plus II®  | 76              |            |         | 48B-3        | British Standard            |                 | 135        | 151     |
| 35-2SS       | ASME/ANSI 304 Stainless     | 80              |            |         | 48BE-3       | Brit Std. Thru Hardened Pin |                 | 141        |         |
| 35-3         | ASME/ANSI Standard          | 14              | 132        | 148     | 50           | ASME/ANSI Standard          | 20              | 132        | 148     |
| 35-4         | ASME/ANSI Standard          | 14              |            |         | 50 O-RING    | ASME/ANSI O-Ring            |                 | 103        |         |
| 35-5         | ASME/ANSI Standard          | 14              |            |         | 50CRP        | ASME/ANSI Chrome Pin        |                 | 53         |         |
| 35-6         | ASME/ANSI Standard          | 14              |            |         | 50E          | ANSI Thru Hardened Pin      |                 | 138        |         |
| 40           | ASME/ANSI Standard          | 18              | 132        | 148     | 50F          | ASME/ANSI Flat Side Bar     | 56              | 146        | 156     |
| 40 O-RING    | ASME/ANSI O-Ring            |                 | 103        |         | 50FS         | ANSI Freedom Series®        | 99              |            |         |
| 40CRP        | ASME/ANSI Chrome Pin        |                 | 53         |         | 50FS-C       | Freedom Series® C-Type      | 100             |            |         |
| 40F          | ASME/ANSI Flat Side Bar     | 56              | 146        | 156     | 50H          | ANSI Heavy Series           |                 | 136        | 152     |
| 40FS         | ANSI Freedom Series®        | 99              |            |         | 50HE         | Heavy Thru Hardened Pin     |                 | 142        |         |
| 40FS-C       | Freedom Series® C-Type      | 100             |            |         | 50HP         | ASME/ANSI Hollow Pin        | 106             |            |         |
| 40HP         | ASME/ANSI Hollow Pin        | 106             |            |         | 50NP         | ASME/ANSI Nickel Plate      | 72              |            | 158     |
| 40NP         | ASME/ANSI Nickel Plate      | 72              |            | 158     | 50PCP II     | ANSI Perfect Coat Plus II®  | 76              |            |         |
| 40PCP II     | ANSI Perfect Coat Plus II®  | 76              |            |         | 50PS         | ASME/ANSI Poly Steel        |                 |            | 93      |
| 40PS         | ASME/ANSI Poly Steel        |                 |            | 93      | 50SB         | ASME/ANSI Side Bow          | 70              |            |         |
| 40SB         | ASME/ANSI Side Bow          | 70              |            |         | 50SL         | ASME/ANSI Self Lube         | 97              |            |         |
| 40SL         | ASME/ANSI Self Lube         | 97              |            |         | 50SLHP       | ANSI Self Lube Hollow Pin   | 110             |            |         |
| 40SLHP       | ANSI Self Lube Hollow Pin   | 110             |            |         | 50SS         | ASME/ANSI 304 Stainless     | 80              |            | 160     |
| 40SS         | ASME/ANSI 304 Stainless     | 80              |            | 160     | 50MEGA       | ANSI /ASME Mega             |                 |            | 89      |
| 40MEGA       | ANSI /ASME Mega             |                 |            | 89      | 50MEGA II    | ANSI/ASME Mega II           |                 |            | 90      |
| 40MEGA II    | ANSI/ASME Mega II           |                 |            | 90      | 50SS316      | ASME/ANSI 316 Stainless     |                 | 86         |         |
| 40SS316      | ASME/ANSI 316 Stainless     |                 | 86         |         | 50600        | ASME/ANSI 600 Stainless     |                 | 84         |         |

# Product Index

| Chain Number | Product Type               | Inspire Series® | ULTRA-MAX® | HI-MAX® | Chain Number | Product Type               | Inspire Series® | ULTRA-MAX® | HI-MAX® |
|--------------|----------------------------|-----------------|------------|---------|--------------|----------------------------|-----------------|------------|---------|
| 50SSHP       | 304 Stainless Hollow Pin   | 108             |            |         | 60-4         | ASME/ANSI Standard         | 22              |            |         |
| 50-2         | ASME/ANSI Standard         | 20              | 232        | 148     | 60-5         | ASME/ANSI Standard         | 22              |            |         |
| 50-2FS-C     | Freedom Series® C-Type     | 100             |            |         | 60-6         | ASME/ANSI Standard         | 22              |            |         |
| 50-2NP       | ASME/ANSI Nickel Plate     | 72              |            |         | 65           | ASME Rollerless Hoist      | 69              |            |         |
| 50-2PCP II   | ANSI Perfect Coat Plus II® | 76              |            |         | 80           | ASME/ANSI Standard         | 24              | 133        | 149     |
| 50-2SL       | ASME/ANSI Self Lube        | 97              |            |         | 80 O-RING    | ASME/ANSI O-Ring           |                 | 103        |         |
| 50-2SS       | ASME/ANSI 304 Stainless    | 80              |            |         | 80CRP        | ASME/ANSI Chrome Pin       |                 | 53         |         |
| 50-2MEGA     | ANSI /ASME Mega            |                 |            | 89      | 80DC         | ASME Double Capacity       | 66              |            |         |
| 50-2MEGA II  | ANSI/ASME Mega II          |                 |            | 90      | 80E          | ANSI Thru Hardened Pin     | 60              | 138        |         |
| 50-3         | ASME/ANSI Standard         | 20              | 132        | 148     | 80F          | ASME/ANSI Flat Side Bar    | 56              | 146        | 156     |
| 50-4         | ASME/ANSI Standard         | 20              |            |         | 80FS         | ANSI Freedom Series®       | 99              |            |         |
| 50-5         | ASME/ANSI Standard         | 20              |            |         | 80FS-C       | Freedom Series® C-Type     | 100             |            |         |
| 50-6         | ASME/ANSI Standard         | 20              |            |         | 80H          | ANSI Heavy Series          | 58              | 136        | 152     |
| 60           | ASME/ANSI Standard         | 22              | 132        | 148     | 80HE         | Heavy Thru Hardened Pin    | 62              | 142        |         |
| 60 O-RING    | ASME/ANSI O-Ring           |                 | 103        |         | 80HP         | ASME/ANSI Hollow Pin       | 106             |            |         |
| 60CRP        | ASME/ANSI Chrome Pin       |                 | 53         |         | 80HSU        | ASME Super Heavy           | 64              |            |         |
| 60E          | ANSI Thru Hardened Pin     | 60              | 138        |         | 80NP         | ASME/ANSI Nickel Plate     | 72              |            |         |
| 60F          | ASME/ANSI Flat Side Bar    | 56              | 146        | 156     | 80PCP II     | ANSI Perfect Coat Plus II® | 76              |            |         |
| 60FS         | ANSI Freedom Series®       | 99              |            |         | 80QC         | Quad Capacity              | 67              |            |         |
| 60FS-C       | Freedom Series® C-Type     | 100             |            |         | 80SB         | ASME/ANSI Side Bow         | 70              |            |         |
| 60H          | ANSI Heavy Series          | 58              | 136        | 152     | 80SG         | ASME Seal Guard®           | 105             |            |         |
| 60HE         | Heavy Thru Hardened Pin    | 62              | 142        |         | 80SL         | ASME/ANSI Self Lube        | 97              |            |         |
| 60HP         | ASME/ANSI Hollow Pin       | 106             |            |         | 80SLHP       | ANSI Self Lube Hollow Pin  | 110             |            |         |
| 60NP         | ASME/ANSI Nickel Plate     | 72              |            | 158     | 80SS         | ASME/ANSI 304 Stainless    | 80              |            | 160     |
| 60PCP II     | ANSI Perfect Coat Plus II® | 76              |            |         | 80MEGA       | ANSI /ASME Mega            |                 |            | 89      |
| 60PS         | ASME/ANSI Poly Steel       |                 |            | 93      | 80MEGA II    | ANSI/ASME Mega II          |                 |            | 90      |
| 60SB         | ASME/ANSI Side Bow         | 70              |            |         | 80SS316      | ASME/ANSI 316 Stainless    |                 | 86         |         |
| 60SL         | ASME/ANSI Self Lube        | 97              |            |         | 80SS600      | ASME/ANSI 600 Stainless    |                 | 84         |         |
| 60SLHP       | ANSI Self Lube Hollow Pin  | 110             |            |         | 80SSHP       | 304 Stainless Hollow Pin   | 108             |            |         |
| 60SS         | ASME/ANSI 304 Stainless    | 80              |            | 160     | 80SU         | ASME/ANSI Super            | 64              |            |         |
| 60MEGA       | ANSI /ASME Mega            |                 |            | 89      | 80TC         | Triple Capacity            | 67              |            |         |
| 60MEGA II    | ANSI/ASME Mega II          |                 |            | 90      | 80-2         | ASME/ANSI Standard         | 24              | 133        | 149     |
| 60SS316      | ASME/ANSI 316 Stainless    |                 | 86         |         | 80-2FS-C     | Freedom Series® C-Type     | 100             |            |         |
| 60SS600      | ASME/ANSI 600 Stainless    |                 | 84         |         | 80-2NP       | ASME/ANSI Nickel Plate     | 72              |            |         |
| 60SSHP       | 304 Stainless Hollow Pin   | 108             |            |         | 80-2PCP II   | ANSI Perfect Coat Plus II® | 76              |            |         |
| 60-2         | ASME/ANSI Standard         | 22              | 132        | 148     | 80-2SL       | ASME/ANSI Self Lube        | 97              |            |         |
| 60-2FS-C     | Freedom Series® C-Type     | 100             |            |         | 80-2SS       | ASME/ANSI 304 Stainless    | 80              |            |         |
| 60-2NP       | ASME/ANSI Nickel Plate     | 72              |            |         | 80-2MEGA     | ANSI /ASME Mega            |                 |            | 89      |
| 60-2PCP II   | ANSI Perfect Coat Plus II® | 76              |            |         | 80-2MEGA II  | ANSI/ASME Mega II          |                 |            | 90      |
| 60-2SL       | ASME/ANSI Self Lube        | 97              |            |         | 80-2SU       | ASME/ANSI Super            | 65              |            |         |
| 60-2SS       | ASME/ANSI 304 Stainless    | 80              |            |         | 80E-2        | ANSI Thru Hardened Pin     | 61              | 139        |         |
| 60-2MEGA     | ANSI /ASME Mega            |                 |            | 89      | 80H-2        | ANSI Heavy Series          | 59              | 137        | 153     |
| 60-2MEGA II  | ANSI/ASME Mega II          |                 |            | 90      | 80H-2SU      | ASME/ANSI Super            | 65              |            |         |
| 60E-2        | ANSI Thru Hardened Pin     | 61              | 139        |         | 80HE-2       | Heavy Thru Hardened Pin    | 63              | 143        |         |
| 60H-2        | ANSI Heavy Series          | 59              | 137        | 153     | 80-3         | ASME/ANSI Standard         | 24              | 133        | 149     |
| 60HE-2       | Heavy Thru Hardened Pin    | 63              | 143        |         | 80-3SU       | ASME/ANSI Super            | 65              |            |         |
| 60-3         | ASME/ANSI Standard         | 22              | 132        | 148     | 80E-3        | ANSI Thru Hardened Pin     | 61              | 139        |         |
| 60E-3        | ANSI Thru Hardened Pin     | 61              | 139        |         | 80H-3        | ANSI Heavy Series          | 59              | 137        | 153     |
| 60H-3        | ANSI Heavy Series          | 59              | 137        | 153     | 80HE-3       | Heavy Thru Hardened Pin    | 63              | 143        |         |
| 60HE-3       | Heavy Thru Hardened Pin    | 63              | 143        |         | 80-4         | ASME/ANSI Standard         | 24              |            |         |

# Product Index

| Chain Number | Product Type               | Inspire Series® | ULTRA-MAX® | HI-MAX® | Chain Number | Product Type            | Inspire Series® | ULTRA-MAX® | HI-MAX® |
|--------------|----------------------------|-----------------|------------|---------|--------------|-------------------------|-----------------|------------|---------|
| 80-5         | ASME/ANSI Standard         | 24              |            |         | 120SU        | ASME/ANSI Super         | 64              |            |         |
| 80-6         | ASME/ANSI Standard         | 24              |            |         | 120TC        | Triple Capacity         | 67              |            |         |
| 85           | ASME Rollerless Hoist      | 69              |            |         | 120-2        | ASME/ANSI Standard      | 28              | 133        | 149     |
| 100          | ASME/ANSI Standard         | 26              | 133        | 149     | 120-2SU      | ASME/ANSI Super         | 6               |            |         |
| 100CRP       | ASME/ANSI Chrome Pin       |                 | 53         |         | 120E-2       | ANSI Thru Hardened Pin  | 61              | 139        |         |
| 100DC        | ASME Double Capacity       | 66              |            |         | 120H-2       | ANSI Heavy Series       | 59              | 137        | 153     |
| 100E         | ANSI Thru Hardened Pin     | 60              | 138        |         | 120H-2SU     | ASME/ANSI Super Heavy   | 65              |            |         |
| 100F         | ASME/ANSI Flat Side Bar    | 56              | 146        | 156     | 120HE-2      | Heavy Thru Hardened Pin | 63              | 143        |         |
| 100FS        | ANSI Freedom Series®       | 99              |            |         | 120-3        | ASME/ANSI Standard      | 28              | 133        | 149     |
| 100FS-C      | Freedom Series® C-Type     | 100             |            |         | 120-3SU      | ASME/ANSI Super         | 65              |            |         |
| 100H         | ANSI Heavy Series          | 58              | 136        | 152     | 120E-3       | ANSI Thru Hardened Pin  | 61              | 139        |         |
| 100HE        | Heavy Thru Hardened Pin    | 62              | 142        |         | 120H-3       | ANSI Heavy Series       | 59              | 137        | 153     |
| 100HSU       | ASME Super Heavy           | 64              |            |         | 120HE-3      | Heavy Thru Hardened Pin | 63              | 143        |         |
| 100NP        | ASME/ANSI Nickel Plate     | 72              |            |         | 120-4        | ASME/ANSI Standard      | 28              |            |         |
| 100PCP II    | ANSI Perfect Coat Plus II® | 76              |            |         | 120-5        | ASME/ANSI Standard      | 28              |            |         |
| 100QC        | Quad Capacity              | 67              |            |         | 120-6        | ASME/ANSI Standard      | 28              |            |         |
| 100SG        | ASME Seal Guard®           | 105             |            |         | 125          | ASME Rollerless Hoist   | 69              |            |         |
| 100SL        | ASME/ANSI Self Lube        | 97              |            |         | 140          | ASME/ANSI Standard      | 30              | 133        | 149     |
| 100SS        | ASME/ANSI 304 Stainless    | 80              |            |         | 140CRP       | ASME/ANSI Chrome Pin    |                 | 53         |         |
| 100SU        | ASME/ANSI Super            | 84              |            |         | 140DC        | ASME Double Capacity    |                 | 66         |         |
| 100TC        | Triple Capacity            | 67              |            |         | 140E         | ANSI Thru Hardened Pin  | 60              | 138        |         |
| 100-2        | ASME/ANSI Standard         | 26              | 133        | 149     | 140F         | ASME/ANSI Flat Side Bar | 56              | 146        |         |
| 100-2SU      | ASME/ANSI Super            | 65              |            |         | 140H         | ANSI Heavy Series       | 58              | 136        | 152     |
| 100E-2       | ANSI Thru Hardened Pin     | 61              | 139        |         | 140HE        | Heavy Thru Hardened Pin | 62              | 142        |         |
| 100H-2       | ANSI Heavy Series          | 59              | 137        | 153     | 140HSU       | ASME/ANSI Super Heavy   | 64              |            |         |
| 100H-2SU     | ASME/ANSI Super Heavy      | 65              |            |         | 140QC        | Quad Capacity           | 67              |            |         |
| 100HE-2      | Heavy Thru Hardened Pin    | 63              | 143        |         | 140SG        | ASME Seal Guard®        | 105             |            |         |
| 100-3        | ASME/ANSI Standard         | 26              | 133        | 149     | 140SU        | ASME/ANSI Super         | 64              |            |         |
| 100-3SU      | ASME/ANSI Super            | 65              |            |         | 140TC        | Triple Capacity         | 67              |            |         |
| 100E-3       | ANSI Thru Hardened Pin     | 61              | 139        |         | 140-2        | ASME/ANSI Standard      | 30              | 133        | 149     |
| 100H-3       | ANSI Heavy Series          | 59              | 137        | 153     | 140-2SU      | ASME/ANSI Super         | 65              |            |         |
| 100HE-3      | Heavy Thru Hardened Pin    | 63              | 143        |         | 140E-2       | ANSI Thru Hardened Pin  | 61              | 139        |         |
| 100-4        | ASME/ANSI Standard         | 26              |            |         | 140H-2       | ANSI Heavy Series       | 59              | 137        | 153     |
| 100-5        | ASME/ANSI Standard         | 26              |            |         | 140H-2SU     | ASME/ANSI Super Heavy   | 65              |            |         |
| 100-6        | ASME/ANSI Standard         | 26              |            |         | 140HE-2      | Heavy Thru Hardened Pin | 63              | 143        |         |
| 105          | ASME Rollerless Hoist      | 69              |            |         | 140-3        | ASME/ANSI Standard      | 30              | 133        | 149     |
| 120          | ASME/ANSI Standard         | 28              | 133        | 149     | 140-3SU      | ASME/ANSI Super         | 65              |            |         |
| 120CRP       | ASME/ANSI Chrome Pin       |                 | 53         |         | 140E-3       | ANSI Thru Hardened Pin  | 61              | 139        |         |
| 120DC        | ASME Double Capacity       | 66              |            |         | 140H-3       | ANSI Heavy Series       | 59              | 137        | 153     |
| 120E         | ANSI Thru Hardened Pin     | 60              | 138        |         | 140HE-3      | Heavy Thru Hardened Pin | 63              | 143        |         |
| 120F         | ASME/ANSI Flat Side Bar    | 56              | 146        |         | 140-4        | ASME/ANSI Standard      | 30              |            |         |
| 120FS        | ANSI Freedom Series®       | 99              |            |         | 140-5        | ASME/ANSI Standard      | 30              |            |         |
| 120FS-C      | Freedom Series® C-Type     | 100             |            |         | 140-6        | ASME/ANSI Standard      | 30              |            |         |
| 120H         | ANSI Heavy Series          | 58              | 136        | 152     | 160          | ASME/ANSI Standard      | 32              | 133        | 149     |
| 120HE        | Heavy Thru Hardened Pin    | 62              | 142        |         | 160CRP       | ASME/ANSI Chrome Pin    |                 | 53         |         |
| 120HSU       | ASME/ANSI Super Heavy      | 64              |            |         | 160DC        | ASME Double Capacity    | 66              |            |         |
| 120PCP       | ANSI Perfect Coat Plus®    | 76              |            |         | 160E         | ANSI Thru Hardened Pin  | 60              | 138        |         |
| 120QC        | Quad Capacity              | 67              |            |         | 160F         | ASME/ANSI Flat Side Bar | 56              | 146        |         |
| 120SG        | ASME Seal Guard®           | 105             |            |         | 160H         | ANSI Heavy Series       | 58              | 136        | 152     |
| 120SL        | ASME/ANSI Self Lube        | 97              |            |         | 160HE        | Heavy Thru Hardened Pin |                 | 62         | 142     |

# Product Index

| Chain Number | Product Type            | Inspire Series® | ULTRA-MAX® | HI-MAX® | Chain Number | Product Type            | Inspire Series® | ULTRA-MAX® | HI-MAX® |
|--------------|-------------------------|-----------------|------------|---------|--------------|-------------------------|-----------------|------------|---------|
| 160HSU       | ASME/ANSI Super Heavy   | 64              |            |         | 200TC        | Triple Capacity         | 67              |            |         |
| 160QC        | Quad Capacity           | 67              |            |         | 200-2        | ASME/ANSI Standard      | 36              | 133        | 149     |
| 160SG        | ASME Seal Guard®        | 105             |            |         | 200-2SU      | ASME/ANSI Super         | 65              |            |         |
| 160SU        | ASME/ANSI Super         | 64              |            |         | 200E-2       | ANSI Thru Hardened Pin  | 61              | 139        |         |
| 160TC        | Triple Capacity         | 67              |            |         | 200H-2       | ANSI Heavy Series       | 59              | 137        | 153     |
| 160-2        | ASME/ANSI Standard      | 32              | 133        | 149     | 200HE-2      | Heavy Thru Hardened Pin | 63              | 143        |         |
| 160-2SU      | ASME/ANSI Super         | 65              |            |         | 200-3        | ASME/ANSI Standard      | 36              | 133        | 149     |
| 160E-2       | ANSI Thru Hardened Pin  | 61              | 139        |         | 200-3SU      | ASME/ANSI Super         | 65              |            |         |
| 160H-2       | ANSI Heavy Series       | 59              | 137        | 153     | 200E-3       | ANSI Thru Hardened Pin  | 61              | 139        |         |
| 160H-2SU     | ASME/ANSI Super Heavy   | 65              |            |         | 200H-3       | ANSI Heavy Series       | 59              | 137        | 153     |
| 160HE-2      | Heavy Thru Hardened Pin | 61              | 143        |         | 200HE-3      | Heavy Thru Hardened Pin | 63              | 143        |         |
| 160-3        | ASME/ANSI Standard      | 32              | 133        | 149     | 200-4        | ASME/ANSI Standard      | 36              |            |         |
| 160-3SU      | ASME/ANSI Super         | 65              |            |         | 200-5        | ASME/ANSI Standard      | 36              |            |         |
| 160E-3       | ANSI Thru Hardened Pin  | 61              | 139        |         | 200-6        | ASME/ANSI Standard      | 36              |            |         |
| 160H-3       | ANSI Heavy Series       | 59              | 137        | 153     | A208B        | Brit Std. Double Pitch  |                 | 144        |         |
| 160HE-3      | Heavy Thru Hardened Pin | 63              | 143        |         | A210B        | Brit Std. Double Pitch  |                 | 144        |         |
| 160-4        | ASME/ANSI Standard      | 32              |            |         | A212B        | Brit Std. Double Pitch  |                 | 144        |         |
| 160-5        | ASME/ANSI Standard      | 32              |            |         | A216B        | Brit Std. Double Pitch  |                 | 144        |         |
| 160-6        | ASME/ANSI Standard      | 32              |            |         | 240          | ASME/ANSI Standard      | 38              | 133        | 149     |
| 180          | ASME/ANSI Standard      | 34              | 133        | 149     | 240DC        | ASME Double Capacity    | 66              |            |         |
| 180CRP       | ASME/ANSI Chrome Pin    |                 | 53         |         | 240F         | ASME/ANSI Flat Side Bar | 56              |            |         |
| 180DC        | ASME Double Capacity    |                 | 66         |         | 240QC        | Quad Capacity           | 67              |            |         |
| 180E         | ANSI Thru Hardened Pin  | 60              | 138        |         | 240SG        | ASME Seal Guard®        | 105             |            |         |
| 180F         | ASME/ANSI Flat Side Bar | 56              |            |         | 240TC        | Triple Capacity         | 67              |            |         |
| 180H         | ANSI Heavy Series       | 58              | 136        | 152     | 240-2        | ASME/ANSI Standard      | 38              | 133        | 149     |
| 180HE        | Heavy Thru Hardened Pin | 62              | 142        |         | 240-3        | ASME/ANSI Standard      | 38              | 133        | 149     |
| 180QC        | Quad Capacity           | 67              |            |         | 240-4        | ASME/ANSI Standard      | 38              |            |         |
| 180SG        | ASME Seal Guard®        | 105             |            |         | 240-5        | ASME/ANSI Standard      | 38              |            |         |
| 180TC        | Triple Capacity         | 67              |            |         | 240-6        | ASME/ANSI Standard      | 38              |            |         |
| 180-2        | ASME/ANSI Standard      | 34              | 133        | 149     | AL422        | ASME/ANSI AL Leaf Chain | 113             |            | 162     |
| 180E-2       | ANSI Thru Hardened Pin  | 61              | 139        |         | BL423        | ASME/ANSI BL Leaf Chain | 115             |            | 163     |
| 180H-2       | ANSI Heavy Series       | 59              | 137        | 153     | BL434        | ASME/ANSI BL Leaf Chain | 115             |            | 163     |
| 180HE-2      | Heavy Thru Hardened Pin | 63              | 143        |         | AL444        | ASME/ANSI AL Leaf Chain | 113             |            | 162     |
| 180-3        | ASME/ANSI Standard      | 34              | 133        | 149     | BL444        | ASME/ANSI BL Leaf Chain | 115             |            | 163     |
| 180E-3       | ANSI Thru Hardened Pin  | 61              | 139        |         | BL446        | ASME/ANSI BL Leaf Chain | 115             |            | 163     |
| 180H-3       | ANSI Heavy Series       | 59              | 137        | 153     | AL466        | ASME/ANSI AL Leaf Chain | 113             |            | 162     |
| 180HE-3      | Heavy Thru Hardened Pin | 63              | 143        |         | BL466        | ASME/ANSI BL Leaf Chain | 115             |            | 163     |
| 180-4        | ASME/ANSI Standard      | 34              |            |         | AL522        | ASME/ANSI AL Leaf Chain | 113             |            | 162     |
| 180-5        | ASME/ANSI Standard      | 34              |            |         | BL523        | ASME/ANSI BL Leaf Chain | 115             |            | 163     |
| 180-6        | ASME/ANSI Standard      | 34              |            |         | BL534        | ASME/ANSI BL Leaf Chain | 115             |            | 163     |
| 200          | ASME/ANSI Standard      | 36              | 133        | 149     | AL544        | ASME/ANSI AL Leaf Chain | 113             |            | 162     |
| 200CRP       | ASME/ANSI Chrome Pin    |                 | 53         |         | BL544        | ASME/ANSI BL Leaf Chain | 115             |            | 163     |
| 200DC        | ASME Double Capacity    |                 | 66         |         | BL546        | ASME/ANSI BL Leaf Chain | 115             |            | 163     |
| 200E         | ANSI Thru Hardened Pin  | 60              | 138        |         | AL566        | ASME/ANSI AL Leaf Chain | 113             |            | 162     |
| 200F         | ASME/ANSI Flat Side Bar | 56              |            |         | BL566        | ASME/ANSI BL Leaf Chain | 115             |            | 163     |
| 200H         | ANSI Heavy Series       | 58              | 136        | 152     | AL622        | ASME/ANSI AL Leaf Chain | 113             |            | 162     |
| 200HE        | Heavy Thru Hardened Pin | 62              | 142        |         | BL623        | ASME/ANSI BL Leaf Chain | 115             |            | 163     |
| 200QC        | Quad Capacity           | 67              |            |         | BL634        | ASME/ANSI BL Leaf Chain | 115             |            | 163     |
| 200SG        | ASME Seal Guard®        | 105             |            |         | AL644        | ASME/ANSI AL Leaf Chain | 113             |            | 162     |
| 200SU        | ASME/ANSI Super         | 64              |            |         | BL644        | ASME/ANSI BL Leaf Chain | 115             |            | 163     |

# Product Index

| Chain Number | Product Type                | Inspire Series® | ULTRA-MAX® | HI-MAX® | Chain Number | Product Type                 | Inspire Series® | ULTRA-MAX® | HI-MAX® |
|--------------|-----------------------------|-----------------|------------|---------|--------------|------------------------------|-----------------|------------|---------|
| BL646        | ASME/ANSI BL Leaf Chain     | 115             |            | 163     | LL1644       | ISO Brit Std. LL Leaf Chain  | 117             |            | 165     |
| AL666        | ASME/ANSI AL Leaf Chain     | 113             |            | 162     | BL1646       | ASME/ANSI BL Leaf Chain      | 116             |            | 164     |
| BL666        | ASME/ANSI BL Leaf Chain     | 115             |            | 163     | AL1666       | ASME/ANSI AL Leaf Chain      | 114             |            |         |
| AL822        | ASME/ANSI AL Leaf Chain     | 113             |            | 162     | BL1666       | ASME/ANSI BL Leaf Chain      | 116             |            | 164     |
| LL0822       | ISO Brit Std. LL Leaf Chain | 117             |            | 165     | LL1666       | ISO Brit Std. LL Leaf Chain  | 117             |            | 165     |
| BL823        | ASME/ANSI BL Leaf Chain     | 115             |            | 163     | LL2022       | ISO Brit Std. LL Leaf Chain  | 117             |            | 165     |
| BL834        | ASME/ANSI BL Leaf Chain     | 115             |            | 163     | A2040        | Double Pitch Transmission    | 54              | 144        | 154     |
| AL844        | ASME/ANSI AL Leaf Chain     | 113             |            | 162     | C2040        | Double Pitch Conveyor        | 55              | 145        | 155     |
| BL844        | ASME/ANSI BL Leaf Chain     | 115             |            | 163     | C2040DC      | Double Capacity              | 68              |            |         |
| LL0844       | ISO Brit Std. LL Leaf Chain | 117             |            | 165     | C2040FS-C    | Freedom Series® C-Type       | 102             |            |         |
| BL846        | ASME/ANSI BL Leaf Chain     | 115             |            | 163     | C2040HP      | Hollow Pin                   | 107             |            |         |
| AL866        | ASME/ANSI AL Leaf Chain     | 113             |            | 162     | C2040NP      | Nickel Plated                | 74              |            | 159     |
| BL866        | ASME/ANSI BL Leaf Chain     | 115             |            | 163     | C2040PCP II  | Perfect Coat Plus II®        | 78              |            |         |
| LL0866       | ISO Brit Std. LL Leaf Chain | 117             |            | 165     | C2040SB      | Side Bow                     | 70              |            |         |
| AL1022       | ASME/ANSI AL Leaf Chain     | 114             |            |         | C2040SL      | Self Lube                    | 98              |            |         |
| LL1022       | ISO Brit Std. LL Leaf Chain | 117             |            | 165     | C2040SLHP    | Self Lube Hollow Pin         | 111             |            |         |
| BL1023       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | C2040SS      | 304 Stainless Steel          | 82              |            | 161     |
| BL1034       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | C2040SS316   | 316 Stainless Steel          |                 | 87         |         |
| AL1044       | ASME/ANSI AL Leaf Chain     | 114             |            |         | C2040SS600   | 600 Stainless Steel          |                 | 85         |         |
| BL1044       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | C2040SSHP    | Stainless Steel Hollow Pin   | 109             |            |         |
| LL1044       | ISO Brit Std. LL Leaf Chain | 117             |            | 165     | C2042        | Double Pitch Conveyor        | 55              | 145        | 155     |
| BL1046       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | C2042FS-C    | Freedom Series® C-Type       | 102             |            |         |
| AL1066       | ASME/ANSI AL Leaf Chain     | 114             |            |         | C2042HP      | Hollow Pin                   | 107             |            |         |
| BL1066       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | C2042NP      | Nickel Plated                | 74              |            | 159     |
| LL1066       | ISO Brit Std. LL Leaf Chain | 117             |            | 165     | C2042PCP II  | Perfect Coat Plus II®        | 78              |            |         |
| AL1222       | ASME/ANSI AL Leaf Chain     | 114             |            |         | C2042SB      | Side Bow                     | 70              |            |         |
| LL1222       | ISO Brit Std. LL Leaf Chain | 117             |            | 165     | C2042SL      | Self Lube                    | 98              |            |         |
| BL1223       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | C2042SLHP    | Self Lube Hollow Pin         | 111             |            |         |
| BL1234       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | C2042SS      | 304 Stainless Steel          | 82              |            | 161     |
| AL1244       | ASME/ANSI AL Leaf Chain     | 114             |            |         | C2042SS-D    | Plastic Roller 304 Stainless | 83              |            |         |
| BL1244       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | C2042SS316   | 316 Stainless Steel          |                 | 87         |         |
| LL1244       | ISO Brit Std. LL Leaf Chain | 117             |            | 165     | C2042SS600   | 600 Stainless Steel          |                 | 85         |         |
| BL1246       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | C2042SSHP    | Stainless Steel Hollow Pin   | 109             |            |         |
| AL1266       | ASME/ANSI AL Leaf Chain     | 114             |            |         | LL2044       | ISO Brit Std. LL Leaf Chain  | 117             |            | 161     |
| BL1266       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | A2050        | Double Pitch Transmission    | 54              | 144        | 154     |
| LL1266       | ISO Brit Std. LL Leaf Chain | 117             |            | 165     | C2050        | Double Pitch Conveyor        | 55              | 145        | 155     |
| AL1422       | ASME/ANSI AL Leaf Chain     | 114             |            |         | C2050DC      | Double Capacity              | 68              |            |         |
| BL1423       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | C2050FS-C    | Freedom Series® C-Type       | 102             |            |         |
| BL1434       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | C2050HP      | Hollow Pin                   | 107             |            |         |
| AL1444       | ASME/ANSI AL Leaf Chain     | 114             |            |         | C2050NP      | Nickel Plated                | 74              |            | 159     |
| BL1444       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | C2050PCP II  | Perfect Coat Plus II®        | 78              |            |         |
| BL1446       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | C2050SB      | Side Bow                     | 70              |            |         |
| AL1466       | ASME/ANSI AL Leaf Chain     | 114             |            |         | C2050SL      | Self Lube                    | 98              |            |         |
| BL1466       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | C2050SLHP    | Self Lube Hollow Pin         | 111             |            |         |
| AL1222       | ASME/ANSI AL Leaf Chain     | 114             |            |         | C2050SS      | 304 Stainless Steel          | 82              |            | 161     |
| LL1222       | ISO Brit Std. LL Leaf Chain | 117             |            | 165     | C2050SS316   | 316 Stainless Steel          | 87              | 87         |         |
| BL1223       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | C2050SS600   | 600 Stainless Steel          | 85              | 85         |         |
| BL1234       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | C2050SSHP    | Stainless Steel Hollow Pin   | 109             |            |         |
| AL1244       | ASME/ANSI AL Leaf Chain     | 114             |            |         | C2052        | Double Pitch Conveyor        | 55              | 145        | 155     |
| BL1644       | ASME/ANSI BL Leaf Chain     | 116             |            | 164     | C2052FS-C    | Freedom Series® C-Type       | 102             |            |         |

# Product Index

| Chain Number | Product Type                 | Inspire Series® | ULTRA-MAX® | HI-MAX® | Chain Number | Product Type                 | Inspire Series® | ULTRA-MAX® | HI-MAX® |
|--------------|------------------------------|-----------------|------------|---------|--------------|------------------------------|-----------------|------------|---------|
| C2052HP      | Hollow Pin                   | 107             |            |         | C2080SLHP    | Self Lube Hollow Pin         | 111             |            |         |
| C2052NP      | Nickel Plate                 | 74              |            | 159     | C2080SSHP    | Stainless Steel Hollow Pin   | 109             |            |         |
| C2052PCP II  | Perfect Coat Plus II®        | 78              |            |         | C2082H       | Double Pitch Conveyor        | 55              | 145        | 155     |
| C2052SB      | Side Bow                     | 70              |            |         | C2082HFS-C   | Freedom Series® C-Type       | 102             |            |         |
| C2052SL      | Self Lube                    | 98              |            |         | C2082HNP     | Nickel Plate                 | 74              |            | 159     |
| C2052SLHP    | Self Lube Hollow Pin         | 111             |            |         | C2082HP      | Hollow Pin                   | 107             |            |         |
| C2052SS      | 304 Stainless Steel          | 82              |            | 161     | C2082HPCP II | Perfect Coat Plus II®        | 78              |            |         |
| C2052SS-D    | Plastic Roller 304 Stainless | 83              |            |         | C2082HSS     | 304 Stainless Steel          | 82              |            | 161     |
| C2052SS316   | 316 Stainless Steel          |                 | 87         |         | C2082HSS-D   | Plastic Roller 304 Stainless | 83              |            |         |
| C2052SS600   | 600 Stainless Steel          |                 | 85         |         | C2082HSS316  | 316 Stainless Steel          |                 | 87         |         |
| C2052SSHP    | Stainless Steel Hollow Pin   | 109             |            |         | C2082HSS600  | 600 Stainless Steel          |                 | 85         |         |
| A2060        | Double Pitch Transmission    | 54              | 144        | 154     | C2082SL      | Self Lube                    | 98              |            |         |
| C2060H       | Double Pitch Conveyor        | 55              | 145        | 155     | C2082SLHP    | Self Lube Hollow Pin         | 111             |            |         |
| C2060HDC     | Double Capacity              | 68              |            |         | C2082SSHP    | Stainless Steel Hollow Pin   | 109             |            |         |
| C2060HFS-C   | Freedom Series® C-Type       | 102             |            |         | C2100H       | Double Pitch Conveyor        | 55              | 145        | 155     |
| C2060HNP     | Nickel Plate                 | 74              |            | 159     | C2100HDC     | Double Capacity              | 68              |            |         |
| C2060HP      | Hollow Pin                   | 107             |            |         | C2100HPCP II | Perfect Coat Plus II®        | 78              |            |         |
| C2060HPCP II | Perfect Coat Plus II®        | 78              |            |         | C2100HSS     | 304 Stainless Steel          | 82              |            | 161     |
| C2060HSS     | 304 Stainless Steel          | 82              |            | 161     | C2102H       | Double Pitch Conveyor        | 55              | 145        | 155     |
| C2060HSS316  | 316 Stainless Steel          |                 | 87         |         | C2102HPCP II | Perfect Coat Plus II®        | 78              |            |         |
| C2060HSS600  | 600 Stainless Steel          |                 | 85         |         | C2102HSS     | 304 Stainless Steel          | 82              |            | 161     |
| C2060SB      | Side Bow                     | 70              |            |         | C2120H       | Double Pitch Conveyor        | 55              | 145        | 155     |
| C2060SL      | Self Lube                    | 98              |            |         | C2120HDC     | Double Capacity              | 68              |            |         |
| C2060SLHP    | Self Lube Hollow Pin         | 111             |            |         | C2120HPCP II | Perfect Coat Plus II®        | 78              |            |         |
| C2060SSHP    | Stainless Steel Hollow Pin   | 109             |            |         | C2120HSS     | 304 Stainless Steel          | 82              |            | 161     |
| C2062H       | Double Pitch Conveyor        | 55              | 145        | 155     | C2122H       | Double Pitch Conveyor        | 55              | 145        |         |
| C2062HFS-C   | Freedom Series® C-Type       | 102             |            |         | C2122HPCP II | Perfect Coat Plus II®        | 68              |            |         |
| C2062HNP     | Nickel Plate                 | 74              |            | 159     | C2122HSS     | 304 Stainless Steel          | 82              |            |         |
| C2062HP      | Hollow Pin                   | 107             |            |         | C2160H       | Double Pitch Conveyor        | 55              | 145        |         |
| C2062HPCP II | Perfect Coat Plus II®        | 78              |            |         | C2160HDC     | Double Capacity              | 68              |            |         |
| C2062HSS     | 304 Stainless Steel          | 82              |            | 161     | C2162H       | Double Pitch Conveyor        | 55              | 145        |         |
| C2062HSS-D   | Plastic Roller 304 Stainless | 83              |            |         | LL2422       | ISO Brit Std. LL Leaf Chain  | 117             |            | 165     |
| C2062HSS316  | 316 Stainless Steel          |                 | 87         |         | LL2444       | ISO Brit Std. LL Leaf Chain  | 117             |            | 165     |
| C2062HSS600  | 600 Stainless Steel          |                 | 85         |         | LL2466       | ISO Brit Std. LL Leaf Chain  | 117             |            | 165     |
| C2062SB      | Side Bow                     | 70              |            |         | LL2822       | ISO Brit Std. LL Leaf Chain  | 117             |            | 165     |
| C2062SL      | Self Lube                    | 98              |            |         | LL2844       | ISO Brit Std. LL Leaf Chain  | 117             |            | 165     |
| C2062SLHP    | Self Lube Hollow Pin         | 111             |            |         | LL2866       | ISO Brit Std. LL Leaf Chain  | 117             |            | 165     |
| C2062SSHP    | Stainless Steel Hollow Pin   | 109             |            |         | LL3222       | ISO Brit Std. LL Leaf Chain  | 117             |            | 165     |
| LL2066       | ISO Brit Std. LL Leaf Chain  | 117             |            | 165     | LL3244       | ISO Brit Std. LL Leaf Chain  | 117             |            | 165     |
| A2080        | Double Pitch Transmission    | 54              | 144        |         | LL3266       | ISO Brit Std. LL Leaf Chain  | 117             |            | 165     |
| C2080H       | Double Pitch Conveyor        | 55              | 145        | 155     |              |                              |                 |            |         |
| C2080HDC     | Double Capacity              | 68              |            |         |              |                              |                 |            |         |
| C2080HFS-C   | Freedom Series® C-Type       | 102             |            |         |              |                              |                 |            |         |
| C2080HNP     | Nickel Plate                 | 74              |            | 159     |              |                              |                 |            |         |
| C2080HP      | Hollow Pin                   | 107             |            |         |              |                              |                 |            |         |
| C2080HPCP II | Perfect Coat Plus II®        | 78              |            |         |              |                              |                 |            |         |
| C2080HSS     | 304 Stainless Steel          | 82              |            | 161     |              |                              |                 |            |         |
| C2080HSS316  | 316 Stainless Steel          |                 | 87         |         |              |                              |                 |            |         |
| C2080HSS600  | 600 Stainless Steel          |                 | 85         |         |              |                              |                 |            |         |
| C2080SL      | Self Lube                    | 98              |            |         |              |                              |                 |            |         |





# Terms and Conditions of Sale

## 1. Price and Payment Terms:

- (a) All prices set forth herein are FOB Seller's Shipping point and are payable net thirty (30) days after invoice date. A one percent (1%) cash discount from net invoice price (exclusive of all other charges) will apply to payments received within ten (10) days of invoice date. Shipments will be invoiced as of date of shipment. Accounts not paid within thirty (30) days of invoice date will bear interest from the invoice date at the rate of one and one-half percent (1 - 1/2%) per month or the maximum rate allowed by law, whichever is less. In the event of failure of timely payment by Buyer, shall pay to Seller all costs of collection, including fifteen percent (15%) of the amount due hereunder as attorney's fees if collected by or through an attorney-at-law.
- (b) Prices on the goods are exclusive of all city, state, and federal excise taxes, including, without limitation, taxes on manufacture, sales, receipts, gross income, occupation, use and similar taxes. Wherever applicable, any tax or taxes will be added to the invoice as a separate charge to be paid by the Buyer.
- (c) In addition to the purchase price for the goods Buyer shall pay and be liable for all expenses incurred by Seller for insurance, freight, cartage, warehousing, and all other charges in connection with loading and shipping the goods to the Buyer. Seller will exercise reasonable efforts to route shipments to incur the lowest available transportation charges; any premium rate shipping shall be at the request and cost of Buyer.
- (d) The minimum net invoice charge on any order shall be \$100.00.
- (e) Payment for the goods shall, if Seller so requires, be made in full prior to delivery and Seller shall be entitled to withhold delivery until such payment has been made and any check or other negotiable instrument given in payment has cleared. Seller shall have the additional right at any time to limit or cancel any credit extended or to be extended hereunder. Upon failure by Buyer to make payment to Seller within thirty (30) days after notice from Seller limiting or cancelling any credit extended or requiring Buyer to make payment before delivery, Seller shall have the option to cancel this and other contracts between Seller and Buyer.
- (f) Prices are subject to change without notice. The price for an order will be the price in effect at the time of shipment.

## 2. Title to and Reservation of Security Interest in the Goods:

Until Buyer has completed payment for the goods, title and ownership to said goods shall remain with Seller and its assigns. In the event it is determined that, contrary to the foregoing, title has transferred prior to full payment, Seller hereby reserves and Buyer hereby grants to Seller a purchase money security interest in the goods.

## 3. Limitation Of Warranty, Remedy and Liability:

- (a) Seller warrants the goods to be free from defects in workmanship and/or materials for a period of ninety (90) days from the date of shipment to Buyer. Seller or its authorized distributor must receive written notice of any warranty claim within two weeks of the date that the defect should have been discovered. To claim under this warranty, goods must be returned to Seller, freight prepaid by Buyer, for determination by Seller that such goods are defective because of poor workmanship or defective materials. Seller shall replace or repair, at its sole option and expense, any defective goods or parts thereof, and return such repaired/replacement material to Buyer, freight prepaid by Seller. **THIS REMEDY IS THE SOLE AND EXCLUSIVE REMEDY AVAILABLE TO BUYER.** If Seller determines in its sole discretion that the defect is attributable to any cause other than poor workmanship or defective materials (including, but not limited to, misuse or abusive operation, faulty installation, unauthorized repair), then Seller shall have no obligation whatsoever with respect to repair or replacement of the defective goods. Seller shall return the goods to Buyer, freight to be paid by Buyer, and the warranty described herein shall be void.
- (b) All specifications, performance figures, drawings, and particulars of weights and dimensions made available by Seller and not included in this warranty are approximate only and the descriptions and illustrations contained in Seller's catalogs, price lists, or sales material are intended only to present a general idea of their subject matter, and none of the items referred to above shall form part of this warranty. Recommendations for the use of the goods are suggestions only and not directions and Seller makes no express or implied warranties with respect thereto.
- (c) EXCEPT AS NOTED IN PARAGRAPH (a), THERE IS NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER WARRANTY BY SELLER, EITHER EXPRESS OR IMPLIED.
- (d) BUYER AGREES THAT NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, PUNITIVE, EXEMPLARY, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, OR, INCIDENTAL OR CONSEQUENTIAL LOSS) IN CONNECTION WITH THE USE, PURCHASE, NON-USE OR OPERATION OF THE GOODS SHALL BE AVAILABLE TO IT UNDER ANY CIRCUMSTANCES, WHETHER BASED UPON NEGLIGENCE OR OTHERWISE AND IRRESPECTIVE OF WHETHER SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF ANY SUCH DAMAGES. IN ANY EVENT, THE LIABILITY OF SELLER TO BUYER FOR ANY REASON AND UPON ANY CAUSE OF ACTION WHATSOEVER SHALL BE LIMITED TO THE AMOUNT THEN PREVIOUSLY PAID TO SELLER BY BUYER.

## 4. Return of Goods/Cancellation:

Once placed, orders may not be cancelled without the seller's consent. The seller may, at its sole discretion, accept returns of standard materials for credit. In this case the buyer shall obtain a RETURNED GOODS AUTHORIZATION (RGA) from the seller. No returns, of any kind, will be accepted by the seller, without a valid RGA. A copy of the RGA for shall be enclosed by the buyer with the shipment of authorized returned products to the seller. Goods returned for credit must be returned FREIGHT PREPAID to the seller's location. Such goods must also be in a resalable condition and are subject to a 20% restocking fee. Goods returned for warranty claim also require a valid RGA and must follow the shipping procedure detailed above. For additional information on how to file a warranty claim see "Limitation of Warranty, Remedy, and Liability" in our "Terms and Conditions of Sale".

## 5. Delay or Nonperformance:

Seller shall not be liable for delay in shipment for any cause beyond its reasonable control, nor shall such delay entitle Buyer to cancel any order or refuse to accept delivery. Seller shall not be liable for failure or delay in shipment or other performance hereunder if such failure is due in whole or in part to strikes, fires, accidents, wars; rebellions, civil commotion or public strike, acts of any government, whether legal or otherwise, acts of public enemies, force majeure, inability to secure or obtain or delay in securing or obtain transportation, machinery, materials, or sufficient qualified labor, or any other causes beyond Seller's reasonable control. Claims for shortage, damage or nondelivery shall be made directly to carrier, and request for proof of delivery must be made within ninety (90) days of invoice date.

## 6. Risk of Loss:

Unless otherwise specifically agreed in writing, risk of loss of the goods shall pass from Seller to Buyer when the goods or any portion thereof, property packed and secured in such a manner as to reach their destination in good condition under normal conditions of transport, are placed in the possession of the carrier, FOB Seller's shipping point for shipment to Buyer. The Seller may choose any reasonable carrier for delivery. Tender of delivery shall be deemed made at Seller's shipping point even when freight is prepaid to point of destination or Seller is required to deliver the goods to a particular destination.

## 7. Modifications:

This document constitutes the entire agreement of the parties with respect to the terms and conditions of sale of the goods. No modification of this document shall be binding upon Seller unless in writing and signed by the party to be bound. Any terms and provisions contained in any document of Buyer which are inconsistent with the terms and provisions hereof shall not be binding on Seller and shall not be considered applicable to the sale or shipment of the goods. No agent, employee, or representative of Seller other than its Officers has any authority to bind Seller to any affirmation, representation or warranty concerning the goods sold under this document and unless an affirmation, representation or warranty made by an Officer of Seller is specifically included in this document, it has not formed a part of the basis of this bargain and shall not in any way be enforceable.

## 8. Waiver:

A waiver by Seller of a breach by Buyer of any provision of this document shall not be deemed a waiver of future compliance with the provision of the document breached.

## 9. Controlling Law:

The validity and interpretation of this document shall be governed by the laws of the State of Georgia.

## 10. Jurisdiction:

Buyer, to the extent it may lawfully do so, hereby submits to the jurisdiction of any state or federal court located in Cobb County, Georgia as well as to the jurisdiction of all courts from which an appeal may be taken from the aforesaid courts for the purpose of any suit, action or other proceeding arising out of any of the Buyer's obligations under or with respect to this document, and the Buyer expressly waives any and all objections that Buyer may have as to jurisdiction and/or venue in any of such courts.

## 11. Special Order Goods:

On special order goods, Buyer will indemnify and hold Seller harmless from all costs and damages arising out of any intellectual property infringement claim relating to any goods manufactured by Seller pursuant to the designs or specifications furnished by Buyer as well as any claims arising out of or connected with an end product into which goods sold by Seller are incorporated, including but not limited to any claims relating to product liability, breach of warranty, breach of contract or otherwise.

# Attachment Spacing Line Drawing

