

# Van Zeeland

Manufacturing, Inc.



*“Your American Made Source”*

# TERMS AND CONDITIONS OF SALE

## PRICE & PAYMENT

The prices are subject to change based on prices in effect on the date of shipment. Interest at the rate of 1.5% per month shall be charged on past due payments.

5% over or under the specified quantity for made-to-order products may be shipped at Seller's option. Prices include Seller's standard packing. All orders are subject to credit approval.

## PERFORMANCE

- (a) Delivery time stated herein is approximate. Delivery shall be deemed complete by tender of the products to a common carrier. Partial shipments are permitted.
- (b) Orders are not subject to cancellation or revision, in whole or in part, without written approval of Seller.
- (c) Should Buyer cause changes to be made in the design or construction of said products, or otherwise delay or interrupt the progress of the work hereunder, Buyer will reimburse Seller for any additional expenses arising therefrom.
- (d) Seller shall not be liable for any delay caused by acts of God, riot or civil commotion, government orders, rules, regulations, suspensions or requisitions of any kind, strikes or other stoppages of labor or shortage in the supply of labor or material, fire casualties, accidents or any cause, whether of the same or a different character beyond Seller's control. Any such delay shall extend the time for delivery of the products. Delay in delivery of any installment shall not relieve the Buyer of its obligation to accept remaining deliveries.
- (e) If delays due to Buyer's fault exceed 60 days in the aggregate, the entire purchase price shall be due and payable to Seller on demand.

## MATERIAL FURNISHED BY BUYER

If Buyer furnishes material or blanks which are found to be defective, Buyer shall reimburse Seller for work performed up to the point of rejection, and Buyer shall furnish replacements for such rejections. Should Buyer furnish material or blanks with excessive stock or incorrect dimensions, Buyer shall reimburse Seller for all work necessary to correct same.

Seller shall have no liability to Buyer for cost of blanks furnished by Buyer, which are damaged or spoiled during heat treat or machinery operations.

## INSURANCE

After delivery to the carrier, Buyer assumes the risk of all loss or damage to the products resulting from any cause whatever. Buyer shall provide and maintain insurance protecting each party against loss or damage in the full amount of the purchase price of the products herein specified at its own expense, during the term of this contract and until payment hereunder is complete, in insurance companies approved by Seller. Any such loss shall be payable to each party as its respective interest may appear.

## INSTALLATION

All of the products specified herein shall be installed by Buyer at Buyer's expense.

## WARRANTY

We warrant that each of our products of manufacture be free from defects in material and workmanship under normal use and service 90 days from date of delivery to the original user. We will correct any such defects in material or workmanship by repair or replacement of the product F.O.B. our plant. Charges for correcting defects will not be allowed, nor can we accept goods returned to us for repair or replacement, unless we are previously notified of the defect in writing and the return or correction is authorized by us in writing. The foregoing warranty is expressly in lieu of any and all representation and warranties, express or implied, including any implied warranty of merchantability or fitness for a particular purpose, whether arising from statute, common law, custom, or otherwise. The remedy of repair or replacement of the defective products set forth in the foregoing warranty shall be the exclusive remedy available to any person. No person has the authority to bind us to any representation or warranty other than this disclaimer and the foregoing warranty. We shall not be liable for any consequential damages resulting from use of our products or caused by any defect, failure or malfunction of any product whether a claim for such damages based upon warranty, contract, negligence or otherwise. Equipment manufactured by others and included in our proposal is not warranted in any way by us but carries only the manufacturer's warranty, if any. This warranty is not transferable.

## CLAIMS

- (a) Our products are inspected prior to shipment. Seller will consider no claims for shortage or errors unless made promptly upon receipt of products.
- (b) SELLER'S LIABILITY AND BUYER'S REMEDY FOR BREACH OF WARRANTY OR OTHERWISE ARE EXPRESSLY AND EXCLUSIVELY LIMITED TO REPAIR OR REPLACEMENT, AT SELLER'S OPTION, OF NON-CONFORMING PRODUCTS, PROVIDED THE DEFECT IS REPORTED TO SELLER WITHIN NINETY (90) DAYS OF SHIPMENT.
- (c) Seller's liability with respect to any product not of Seller's manufacture shall be limited to that of the vendor thereof. Repairs to, alterations of, or work done on products warranted hereunder without Seller's prior written authorization shall void all warranties applicable thereto.
- (d) SELLER IS NOT RESPONSIBLE FOR ANY DAMAGES, SPECIAL OR INCIDENTAL, DIRECT OR CONSEQUENTIAL, BEYOND REPLACEMENT OF THE ITEM(S) FOUND TO BE DEFECTIVE. SELLER IS NOT RESPONSIBLE FOR ANY LOSS OR DAMAGE IN TRANSIT.

## DRAWINGS, PATTERNS, AND TOOLS

Seller's specifications, drawings, patterns and tooling shall be the sole and exclusive property of Seller unless otherwise agreed in writing.

## PATENTS

Buyer will hold Seller harmless against any liability for infringement of any claim of any United States patent, issued at date of the contract, and involving products furnished by Seller in accordance with drawings and/or specifications furnished by Buyer.

## TAXES

Any sale, use, consumption, or other similar tax applicable to the sale, purchase, or use of product is not included in these prices and shall be paid by the purchaser.

## RETURNED GOODS

No goods will be accepted for return without prior written authorization by Seller. Freight must be prepaid on all such returns, and each return is subject to inspection and acceptance by Seller to assure the goods are in a "resalable" condition. A minimum of 20% handling and restocking charge will be applied to all authorized returns. Special or made-to-order goods are NOT returnable.

## ENTIRE AGREEMENT

The terms and conditions on the face hereof constitute the entire agreement between Buyer and Seller and there are no other terms and conditions, whether contained in Buyer's purchase or otherwise.

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### **Other Products Available**

- Triple and Quad configurations
- Spur Gears
- Timing Belt Pulleys
- Special Design and/or Made To Order
- Weld On Hubs

### **Services Available**

- General Machining
- Production Machining
- Prototype Machining
- Gear Hobbing
- Room Temperature Black Oxiding
- Robotic Welding
- Broaching (Keyway & Spline)

## QUOTATION AND ORDERING INFORMATION

Thank you for your inquiry. The following information is designed to help us help you!

### MADE-TO-ORDER SPROCKETS

Whenever possible, a print or sketch should accompany all inquiries or orders. Lack of proper and complete information results in loss of time and money to everyone involved. If a print or sketch is not available, please use this checklist to ensure we have all the necessary information to prepare your quotation or order.

1. QUANTITY
2. TYPE (Sprocket, Idler)
3. PITCH
4. NUMBER OF TEETH
5. MATERIAL
6. BORE SIZE
7. KEYWAY
8. SETSCREW (Size, Quantity)
9. HUB DIAMETER
10. LENGTH THRU BORE
11. DELIVERY REQUESTED

(Rush deliveries may require higher pricing)

*Note: The above information is required for all made-to-order inquiries. There is no such thing as "standard" on special made-to-orders.*

### STANDARD CATALOG SPROCKETS

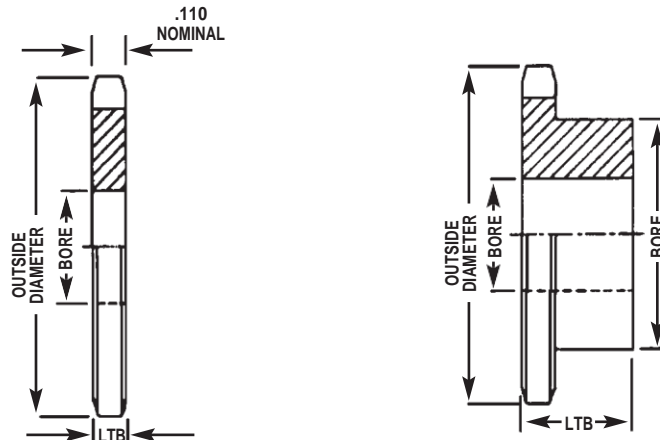
Please use current discount sheet for alteration charges. For tooth size or list price not shown, please call a customer service representative for current price.



Type A - Plain Bore						Type B - Plain Bore						
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Wt. Lbs.	Catalog Number	List Price	Stock Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
9	0.837	25A9				25B9		1/4	1/4	7/16	1/2	.03
10	0.919	25A10				25B10		1/4	1/4	1/2	1/2	.03
11	1.002	25A11				25B11		1/4	5/16	9/16	1/2	.04
12	1.083	25A12				25B12		1/4	3/8	5/8	1/2	.06
13	1.167	25A13				25B13		1/4	7/16	23/32	1/2	.07
14	1.246	25A14				25B14		1/4	9/16	13/16	1/2	.08
15	1.326	25A15				25B15		1/4	9/16	57/64	1/2	.10
16	1.407	25A16				25B16		1/4	9/16	31/32	1/2	.12
17	1.487	25A17				25B17		1/4	5/8	1 1/32	1/2	.14
18	1.568	25A18		1/4	.04	25B18		1/4	5/8	1 1/8	1/2	.16
19	1.648	25A19		1/4	.04	25B19		1/4	13/16	1 7/32	1/2	.19
20	1.729	25A20		1/4	.04	25B20		1/4	7/8	1 9/32	5/8	.25
21	1.809	25A21		3/8	.04	25B21		1/4	7/8	1 3/8	5/8	.28
22	1.889	25A22		3/8	.06	25B22		1/4	15/16	1 7/16	5/8	.31
23	1.969	25A23		3/8	.06	25B23		1/4	15/16	1 1/2	5/8	.32
24	2.049	25A24		3/8	.08	25B24		3/8	15/16	1 1/2	5/8	.33
25	2.129	25A25		3/8	.08	25B25		3/8	15/16	1 1/2	5/8	.34
26	2.209	25A26		3/8	.09	25B26		3/8	15/16	1 1/2	5/8	.35
28	2.369	25A28		3/8	.10	25B28		3/8	15/16	1 1/2	5/8	.36
30	2.529	25A30		3/8	.12	25B30		3/8	15/16	1 1/2	5/8	.38
32	2.688	25A32		3/8	.14	25B32		3/8	15/16	1 1/2	5/8	.40
35	2.928	25A35		3/8	.16	25B35		3/8	15/16	1 1/2	5/8	.46
36	3.008	25A36		3/8	.18	25B36		3/8	15/16	1 1/2	3/4	.50
40	3.327	25A40		1/2	.20	25B40		1/2	1 3/8	2	3/4	.53
45	3.725	25A45		1/2	.25	25B45		1/2	1 3/8	2	3/4	.56
48	3.964	25A48		1/2	.32	25B48		1/2	1 3/8	2	3/4	.56
54	4.442	25A54		1/2	.38	25B54		1/2	1 3/8	2	3/4	1.00
60	4.920	25A60		1/2	.54	25B60		1/2	1 3/8	2	3/4	1.10
70	5.717	25A70		1/2	.64	25B70		1/2	1 3/8	2	3/4	1.25
72	5.876	25A72		1/2	.74	25B72		1/2	1 3/8	2	3/4	1.30

Maximum bores shown will accommodate standard keyway and setscrew over keyway.

Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.

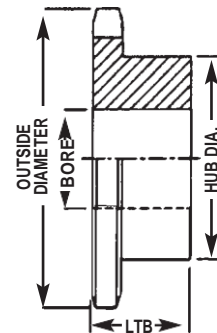
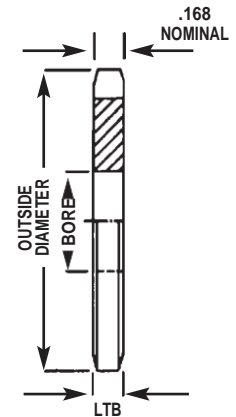


A - Plain Bore						B - Plain Bore						
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Wt. Lbs.	Catalog Number	List Price	Stock Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
8	1.130	35A8				35B8		3/8	3/8	3/4*	3/4	.07
9	1.256	35A9				35B9		3/8	3/8	27/32*	3/4	.09
10	1.379	35A10				35B10		3/8	9/16	31/32*	3/4	.14
11	1.502	35A11				35B11		3/8	9/16	1 1/16*	3/4	.17
12	1.625	35A12				35B12		1/2	9/16	1 7/32*	3/4	.20
13	1.746	35A13				35B13		1/2	11/16	1 1/4*	3/4	.23
14	1.868	35A14				35B14		1/2	7/8	1 1/4	3/4	.25
15	1.989	35A15		1/2	.10	35B15		1/2	1	1 11/32	3/4	.29
16	2.110	35A16		1/2	.12	35B16		1/2	1	1 15/32	3/4	.35
17	2.231	35A17		1/2	.12	35B17		1/2	1 1/16	1 19/32	3/4	.42
18	2.352	35A18		1/2	.14	35B18		1/2	1 3/16	1 23/32	3/4	.48
19	2.472	35A19		1/2	.16	35B19		1/2	1 1/4	1 27/32	3/4	.54
20	2.593	35A20		1/2	.20	35B20		1/2	1 5/16	1 15/16	3/4	.59
21	2.713	35A21		1/2	.20	35B21		1/2	1 3/8	2	7/8	.80
22	2.833	35A22		1/2	.22	35B22		1/2	1 3/8	2	7/8	.80
23	2.954	35A23		1/2	.24	35B23		1/2	1 3/8	2	7/8	.82
24	3.074	35A24		1/2	.26	35B24		1/2	1 3/8	2	7/8	.88
25	3.194	35A25		1/2	.28	35B25		1/2	1 3/8	2	7/8	.88
26	3.314	35A26		1/2	.28	35B26		1/2	1 3/8	2	7/8	.90
27	3.434	35A27		1/2	.34	35B27		1/2	1 3/8	2	7/8	.94
28	3.553	35A28		1/2	.34	35B28		1/2	1 3/8	2	7/8	.94
30	3.793	35A30		1/2	.46	35B30		1/2	1 3/8	2	7/8	1.02
32	4.032	35A32		5/8	.46	35B32		1/2	1 3/8	2	7/8	1.24
35	4.392	35A35		5/8	.60	35B35		5/8	1 1/2	2 1/4	7/8	1.50
36	4.511	35A36		5/8	.62	35B36		5/8	1 1/2	2 1/4	7/8	1.56
40	4.990	35A40		5/8	.70	35B40		5/8	1 1/2	2 1/4	1	1.62
42	5.229	35A42		5/8	.78	35B42		5/8	1 1/2	2 1/4	1	1.68
45	5.588	35A45		5/8	.88	35B45		5/8	1 1/2	2 1/4	1	1.78
48	5.946	35A48		5/8	1.21	35B48		5/8	1 1/2	2 1/4	1	1.88
54	6.663	35A54		5/8	1.32	35B54		5/8	1 1/2	2 1/4	1	2.20
60	7.380	35A60		3/4	1.66	35B60		3/4	1 1/2	2 1/4	1	2.48
70	8.575	35A70		3/4	2.30	35B70		3/4	1 1/2	2 1/4	1	3.12
72	8.814	35A72		3/4	2.56	35B72		3/4	1 1/2	2 1/4	1	3.42
80	9.770	35A80		3/4	3.16	35B80		3/4	1 1/2	2 1/4	1	3.82
84	10.247	35A84		3/4	3.26	35B84		3/4	1 1/2	2 1/4	1	4.24
96	11.680	35A96		3/4	4.64	35B96		3/4	1 1/2	2 1/4	1	5.16
112	13.590	35A112		3/4	5.05	35B112		3/4	1 1/2	2 1/4	1	6.70

\*Has recessed groove in hub for chain clearance. Maximum bores shown will accommodate standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.

**Type F - Bored to size**

No. Teeth	Outside Diameter	Catalog Number	List Price	Available Finished Bores (Includes Standard Kw. & 2-ss)	Wt. Lbs.
8	1.130	35B8F			
9	1.256	35B9F		3/8	.10
10	1.379	35B10F		3/8 - 1/2 - 5/8*	.11
11	1.502	35B11F		3/8 - 1/2 - 5/8* - 3/4*	.15
12	1.625	35B12F		1/2 - 5/8 - 3/4	.18
13	1.746	35B13F		1/2 - 5/8 - 3/4	.20
14	1.868	35B14F		1/2 - 5/8 - 3/4	.22
15	1.989	35B15F		1/2 - 5/8 - 3/4 - 1	.24
16	2.110	35B16F		1/2 - 5/8 - 3/4 - 1	.29
17	2.231	35B17F		1/2 - 5/8 - 3/4 - 1	.36
18	2.352	35B18F		1/2 - 5/8 - 3/4 - 1	.39
19	2.472	35B19F		5/8 - 3/4 - 1	.44
20	2.593	35B20F		5/8 - 3/4 - 1	.51
21	2.713	35B21F		5/8 - 3/4 - 1	.75
22	2.833	35B22F		5/8 - 3/4 - 1	.76
23	2.954	35B23F		5/8 - 3/4 - 1	.78
24	3.074	35B24F		5/8 - 3/4 - 1	.79
25	3.194	35B25F		5/8 - 3/4 - 7/8 - 1	.80
26	3.314	35B26F		5/8 - 3/4 - 7/8 - 1	.84
28	3.553	35B28F		5/8 - 3/4 - 7/8 - 1	.88
30	3.793	35B30F		5/8 - 3/4 - 7/8 - 1	.96
32	4.032	35B32F		5/8 - 3/4 - 7/8 - 1	1.14
35	4.392	35B35F		5/8 - 3/4 - 7/8 - 1	1.38
36	4.511	35B36F		5/8 - 3/4 - 7/8 - 1	1.42
40	4.990	35B40F		5/8 - 3/4 - 7/8 - 1	1.56
42	5.229	35B42F		5/8 - 3/4 - 7/8 - 1	1.66
45	5.588	35B45F		5/8 - 3/4 - 7/8 - 1	1.74
48	5.946	35B48F		5/8 - 7/8 - 1	1.90
54	6.663	35B54F		5/8 - 7/8 - 1	2.04
60	7.380	35B60F		3/4 - 7/8 - 1 - 1 1/4	2.34
70	8.575	35B70F		3/4 - 7/8 - 1 - 1 1/4	2.88
72	8.814	35B72F		3/4 - 7/8 - 1 - 1 1/4	3.28
84	10.247	35B84F		3/4 - 7/8 - 1 - 1 1/4	4.06



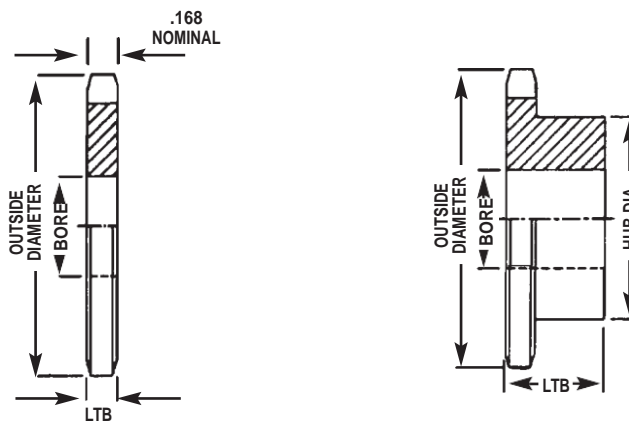
\* Setscrew at 90 and 180 degrees from keyway. Hub diameters vary to suit different bore sizes.

**HARDENED TEETH**

**3/8" Pitch**

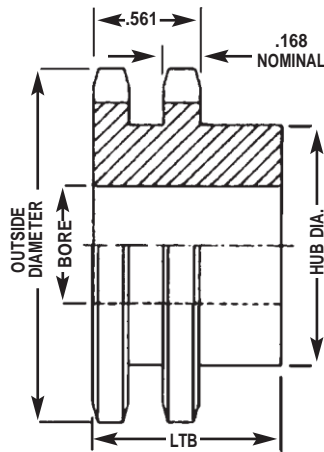
Type B - Plain Bore				Type F - Bored to size			
No. Teeth	Catalog Number	List Price	Stock Bore	Catalog Number	List Price	Available Finished Bores (Includes Standard Kw. & 2-ss)	Wt. Lbs.
9	H35B9		3/8	H35B9F		3/8	.12
10	H35B10		3/8	H35B10F		3/8 - 1/2 - 5/8*	.14
11	H35B11		3/8	H35B11F		3/8 - 1/2 - 5/8 - 3/4*	.16
12	H35B12		1/2	H35B12F		1/2 - 5/8 - 3/4	.21
13	H35B13		1/2	H35B13F		1/2 - 5/8 - 3/4	.25
14	H35B14		1/2	H35B14F		1/2 - 5/8 - 3/4	.25
15	H35B15		1/2	H35B15F		1/2 - 5/8 - 3/4 - 1*	.34
16	H35B16		1/2	H35B16F		1/2 - 5/8 - 3/4 - 1*	.37
17	H35B17		1/2	H35B17F		1/2 - 5/8 - 3/4 - 1	.46
18	H35B18		1/2	H35B18F		1/2 - 5/8 - 3/4 - 1	.53
19	H35B19		1/2	H35B19F		1/2 - 5/8 - 3/4 - 1	.60
20	H35B20		1/2	H35B20F		1/2 - 5/8 - 3/4 - 1	.68
21	H35B21		1/2	H35B21F		1/2 - 5/8 - 3/4 - 1	.74
22	H35B22		1/2	H35B22F		1/2 - 5/8 - 3/4 - 1	.78
23	H35B23		1/2	H35B23F		1/2 - 5/8 - 3/4 - 1	.81
24	H35B24		1/2	H35B24F		1/2 - 5/8 - 3/4 - 1	.90
25	H35B25		1/2	H35B25F		1/2 - 5/8 - 3/4 - 1	.93
26	H35B26		1/2	H35B26F		5/8 - 3/4 - 1	1.30
28	H35B28		1/2	H35B28F		5/8 - 3/4 - 1	1.40
30	H35B30		1/2	H35B30F		5/8 - 3/4 - 7/8 - 1	1.50

\* Setscrew at 90 and 180 degrees from keyway. Hub diameters vary to suit different bore sizes.

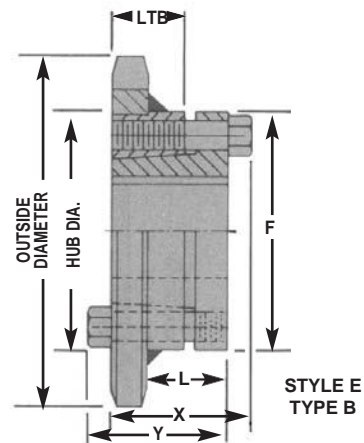
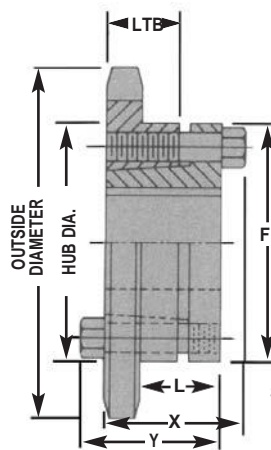




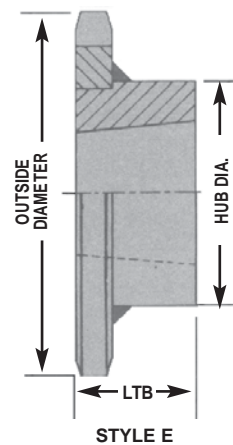
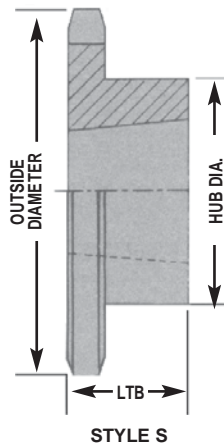
35-2 Double Strand								
No. Teeth	Outside Diameter	Catalog Number	List Price	Hub Dia.	LTB	Stock Bore	Max. Bore	Wt. Lbs.
13	1.746	D35B13H		1 1/8	1 1/4	1/2	3/4	.35
14	1.868	D35B14H		1 1/4	1 1/4	1/2	13/16	.42
15	1.989	D35B15H		1 11/32	1 1/4	1/2	7/8	.53
16	2.110	D35B16H		1 15/32	1 1/4	1/2	15/16	.63
17	2.231	D35B17H		1 19/32	1 1/4	1/2	1 1/16	.74
18	2.352	D35B18H		1 23/32	1 1/4	1/2	1 1/8	.86
19	2.472	D35B19H		1 27/32	1 1/4	1/2	1 1/4	.98
20	2.593	D35B20H		1 31/32	1 3/8	1/2	1 5/16	1.21
21	2.713	D35B21H		2 1/16	1 3/8	1/2	1 3/8	1.37
22	2.833	D35B22H		2 3/16	1 3/8	1/2	1 7/16	1.54
23	2.954	D35B23H		2 5/16	1 3/8	1/2	1 1/2	1.70
24	3.074	D35B24H		2 7/16	1 3/8	1/2	1 5/8	1.90
25	3.194	D35B25H		2 9/16	1 3/8	1/2	1 11/16	2.07
26	3.314	D35B26		2 11/16	1 3/8	1/2	1 3/4	2.26
30	3.793	D35B30		2 1/2	1 3/8	1/2	1 3/4	3.15
36	4.511	D35B36		2 1/2	1 3/8	3/4	1 3/4	3.30
42	5.229	D35B42		2 1/2	1 3/8	3/4	1 3/4	4.30
48	5.946	D35B48		2 1/2	1 3/8	3/4	1 3/4	5.40



35 Q-Bushed							
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Hub Dia.	LTB	Wt. Lbs.
19	2.472	35JA19		JA	2 1/16	9/16	.30
20	2.593	35JA20		JA	2 1/16	9/16	.30
21	2.713	35JA21		JA	2 1/16	9/16	.30
22	2.833	35JA22		JA	2 3/16	9/16	.40
23	2.954	35JA23		JA	2 1/4	9/16	.50
24	3.074	35JA24		JA	2 1/4	9/16	.50
25	3.194	35JA25		JA	2 1/4	9/16	.50
26	3.314	35JA26		JA	2 1/4	9/16	.50
27	3.434	35JA27		JA	2 1/4	9/16	.60
28	3.553	35JA28		JA	2 1/4	9/16	.60
30	3.793	35JA30		JA	2 1/4	9/16	.70
32	4.032	35JA32		JA	2 1/4	9/16	.70
35	4.392	35JA35		JA	2 1/4	9/16	.80
36	4.511	35SH36		SH	3	13/16	1.30
40	4.990	35SH40		SH	3	13/16	1.40
42	5.229	35SH42		SH	3	13/16	1.60
45	5.588	35SH45		SH	3	13/16	1.70
48	5.946	35SH48		SH	3	13/16	1.70
54	6.663	35SH54		SH	3	13/16	2.20
60	7.380	35SH60		SH	3	13/16	2.40
70	8.575	35SH70		SH	3	13/16	3.10
72	8.814	35SH72		SH	3	13/16	3.10
80	9.770	35SH80		SH	3	13/16	3.70
84	10.247	35SH84		SH	3	13/16	3.90
96	11.680	35SH96		SH	3	13/16	5.10
112	13.590	35SH112		SH	3	13/16	6.90



35 Taper-Bushed							
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Hub Dia.	LTB	Wt. Lbs.
18	2.352	35BTL18		1008	1 7/8	7/8	.40
19	2.472	35BTL19		1008	1 13/16	7/8	.50
20	2.593	35BTL20		1008	1 15/16	7/8	.60
21	2.713	35BTL21		1008	2 1/16	7/8	.70
22	2.883	35BTL22		1210	2 3/8	1	.80
23	2.954	35BTL23		1210	2 7/16	1	.90
24	3.074	35BTL24		1210	2 7/16	1	.90
25	3.194	35BTL25		1210	2 7/16	1	1.20
26	3.314	35BTL26		1610	2 7/8	1	1.10
28	3.553	35BTL28		1610	2 7/8	1	1.20
30	3.793	35BTL30		1610	3	1	1.20
32	4.032	35BTL32		1610	3	1	1.30
35	4.392	35BTL35		1610	3	1	1.40
36	4.511	35BTL36		1610	3	1	1.40
40	4.990	35BTL40		1610	3	1	1.90
42	5.229	35BTL42		1610	3	1	2.00
45	5.588	35BTL45		1610	3	1	2.10
48	5.946	35BTL48		1610	3	1	2.30
54	6.663	35BTL54		1610	3	1	2.60
60	7.380	35BTL60		1610	3	1	3.00
70	8.575	35BTL70		1610	3	1	3.70
72	8.814	35BTL72		1610	3	1	3.90
80	9.770	35BTL80		1610	3	1	4.50
84	10.247	35BTL84		1610	3	1	4.90
96	11.680	35BTL96		1610	3	1	6.00
112	13.590	35BTL112		1610	3	1	7.80

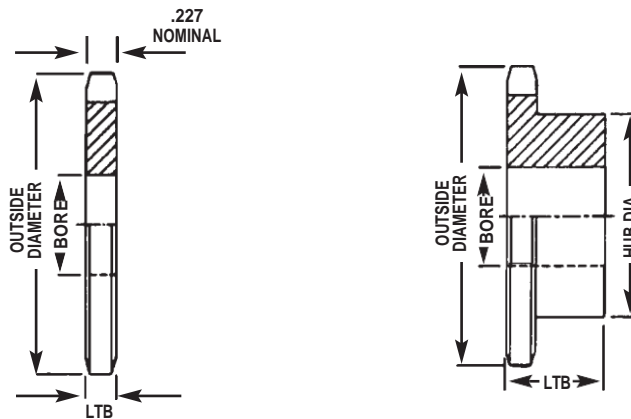


Type A - Plain Bore						Type B - Plain Bore						
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Wt. Lbs.	Catalog Number	List Price	Stock Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs
8	1.510	41A8				41B8		1/2	1/2	63/64*	7/8	.19
9	1.670	41A9				41B9		1/2	5/8	1 1/8*	7/8	.20
10	1.840	41A10				41B10		1/2	3/4	1 1/4*	7/8	.27
11	2.000	41A11				41B11		1/2	7/8	1 7/16*	7/8	.35
12	2.170	41A12				41B12		1/2	15/16	1 9/16*	7/8	.44
13	2.330	41A13				41B13		1/2	1	1 9/16	7/8	.50
14	2.490	41A14				41B14		1/2	1 1/4	1 3/4	7/8	.57
15	2.650	41A15		5/8	.28	41B15		1/2	1 5/16	1 29/32	7/8	.72
16	2.810	41A16		5/8	.34	41B16		5/8	1 3/8	2 1/16	7/8	.91
17	2.980	41A17		5/8	.36	41B17		5/8	1 1/2	2 15/64	7/8	1.09
18	3.140	41A18		5/8	.44	41B18		5/8	1 5/8	2 3/8	7/8	1.25
19	3.300	41A19		5/8	.46	41B19		5/8	1 3/4	2 15/32	7/8	1.49
20	3.460	41A20		5/8	.52	41B20		5/8	1 7/8	2 5/8	1	1.64
21	3.620	41A21		5/8	.60	41B21		5/8	1 7/8	2 7/8	1	1.81
22	3.780	41A22		5/8	.66	41B22		5/8	2	3	1	1.93
23	3.940	41A23		5/8	.72	41B23		5/8	2 1/4	3	1	2.25
24	4.100	41A24		5/8	.82	41B24		5/8	2 1/4	3	1	2.33
25	4.260	41A25		5/8	.88	41B25		5/8	2 1/4	3	1	2.46
26	4.420	41A26		5/8	.94	41B26		5/8	2 1/4	3	1	2.50
27	4.580	41A27		5/8	1.00	41B27		5/8	2 1/4	3	1	2.56
28	4.740	41A28		5/8	1.08	41B28		5/8	2 1/4	3	1	2.64
30	5.060	41A30		5/8	1.20	41B30		5/8	2 1/4	3	1	2.80
32	5.380	41A32		3/4	1.44	41B32		5/8	2 1/4	3	1	2.96
35	5.860	41A35		3/4	1.70	41B35		5/8	2 3/8	3	1	3.12
36	6.020	41A36		3/4	1.84	41B36		5/8	2 3/8	3	1	3.32
40	6.650	41A40		3/4	2.22	41B40		3/4	2 3/8	3	1 1/16	4.06
42	6.970	41A42		3/4	2.50	41B42		3/4	2 3/8	3	1 1/16	4.10
45	7.450	41A45		3/4	2.52	41B45		3/4	2 3/8	3	1 1/16	4.18
48	7.930	41A48		3/4	2.92	41B48		3/4	2 3/8	3	1 1/16	4.92
54	8.890	41A54		3/4	3.54	41B54		3/4	2 3/8	3	1 1/16	5.68
60	9.840	41A60		15/16	4.60	41B60		3/4	2 3/8	3	1 1/16	6.78
70	11.430	41A70		15/16	6.22	41B70		3/4	2 3/4	3	1 3/16	9.54
72	11.750	41A72		15/16	6.32	41B72		3/4	2 3/4	3	1 3/16	9.64
80	13.030	41A80		15/16	8.46	41B80		3/4	2 3/4	3	1 3/16	11.54
84	13.660	41A84		15/16	9.12	41B84		3/4	2 3/4	3	1 3/16	12.20
96	15.570	41A96		15/16	11.84	41B96		1	2 3/4	3	1 3/16	14.86

\* Has recessed groove in hub for chain clearance. Maximum bores shown will accommodate standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.

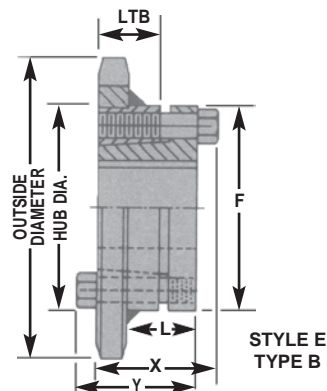
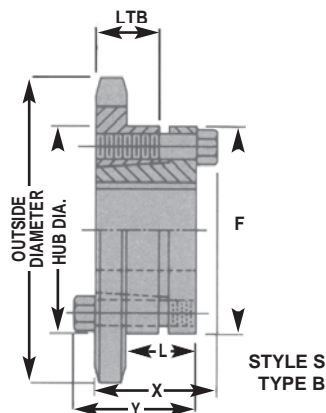
Type F - Bored to size					
No. Teeth	Outside Diameter	Catalog Number	List Price	Available Finished Bores (Includes Standard Kw. & 2-ss)	Wt. Lbs.
9	1.670	41B9F		1/2 - 5/8	.20
10	1.840	41B10F		1/2 - 5/8 - 3/4	.25
11	2.000	41B11F		1/2 - 5/8 - 3/4	.32
12	2.170	41B12F		1/2 - 5/8 - 3/4 - 7/8	.33
13	2.330	41B13F		1/2 - 5/8 - 3/4 - 7/8 - 1	.43
14	2.490	41B14F		1/2 - 5/8 - 3/4 - 7/8 - 1	.48
15	2.650	41B15F		1/2 - 5/8 - 3/4 - 1	.59
16	2.810	41B16F		5/8 - 3/4 - 1	.72
17	2.980	41B17F		5/8 - 3/4 - 1	1.00
18	3.140	41B18F		5/8 - 3/4 - 1	1.10
19	3.300	41B19F		5/8 - 3/4 - 1	1.21
20	3.460	41B20F		5/8 - 3/4 - 1	1.39
21	3.620	41B21F		5/8 - 3/4 - 1	1.77
22	3.780	41B22F		5/8 - 3/4 - 1	1.92
23	3.940	41B23F		5/8 - 3/4 - 1	2.18
24	4.100	41B24F		5/8 - 3/4 - 1	2.24
30	5.060	41B30F		5/8 - 3/4 - 1	2.80
32	5.380	41B32F		5/8 - 3/4 - 1	2.96
36	6.020	41B36F		5/8 - 3/4 - 1	3.32
40	6.650	41B40F		3/4 - 1	4.06
48	7.930	41B48F		3/4 - 1	4.92
60	9.840	41B60F		3/4 - 1	6.78

Hub diameters vary to suit different bore sizes.

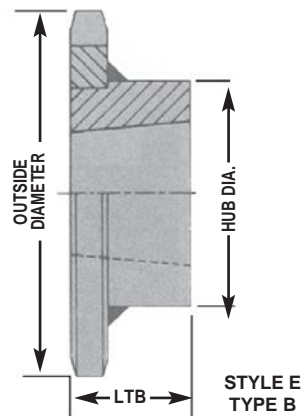
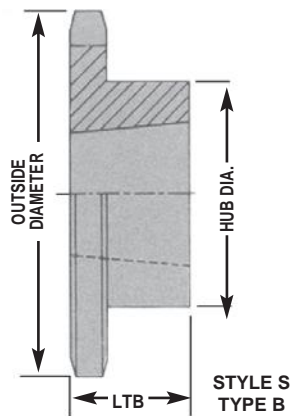




41 Q-Bushed							
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Hub Dia.	LTB	Wt. Lbs.
15	2.652	41JA15		JA	2 1/16	5/8	.41
16	2.814	41JA16		JA	2 1/16	5/8	.45
17	2.974	41JA17		JA	2 1/16	5/8	.49
18	3.136	41JA18		JA	2 1/16	5/8	.53
19	3.292	41JA19		JA	2 1/16	5/8	.58
20	3.457	41SH20		SH	2 11/16	13/16	.82
21	3.618	41SH21		SH	2 11/16	13/16	.88
22	3.778	41SH22		SH	2 11/16	13/16	.93
23	3.938	41SH23		SH	2 11/16	13/16	.99
24	4.098	41SH24		SH	2 11/16	13/16	1.00
25	4.258	41SH25		SH	2 11/16	13/16	1.10
26	4.418	41SH26		SH	3	13/16	1.40
27	4.578	41SH27		SH	3	13/16	1.50
28	4.738	41SH28		SH	3	13/16	1.50
30	5.057	41SH30		SH	3	13/16	1.70
32	5.376	41SH32		SH	3	13/16	1.90
35	5.856	41SH35		SH	3	13/16	2.10
36	6.015	41SDS36		SDS	3 1/2	3/4	2.30
40	6.653	41SDS40		SDS	3 1/2	3/4	2.70
42	6.972	41SDS42		SDS	3 1/2	3/4	2.90
45	7.450	41SDS45		SDS	3 1/2	3/4	3.30
48	7.928	41SDS48		SDS	3 1/2	3/4	3.60
54	8.884	41SDS54		SDS	3 1/2	3/4	4.40
60	9.840	41SDS60		SDS	3 1/2	3/4	5.30
70	11.433	41SK70		SK	4 1/4	1 1/4	8.20
72	11.752	41SK72		SK	4 1/4	1 1/4	8.50
80	13.026	41SK80		SK	4 1/4	1 1/4	10.10
84	13.663	41SK84		SK	4 1/4	1 1/4	10.90
96	15.573	41SK96		SK	4 1/4	1 1/4	13.70



41 Taper-Bushed							
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Hub Dia.	LTB	Wt. Lbs.
14	2.490	41BTL14		1008	1 7/8	7/8	.40
15	2.652	41BTL15		1008	1 7/8	7/8	.50
16	2.814	41BTL16		1008	2	7/8	.60
17	2.974	41BTL17		1210	2 3/8	1	.70
18	3.136	41BTL18		1210	2 3/8	1	.90
19	3.292	41BTL19		1210	2 1/2	1	1.10
20	3.457	41BTL20		1610	2 7/8	1	1.10
21	3.618	41BTL21		1610	3	1	1.20
22	3.778	41BTL22		1610	3	1	1.30
23	3.938	41BTL23		1610	3	1	1.40
24	4.098	41BTL24		1610	3 1/4	1	1.40
25	4.258	41BTL25		1610	3 1/4	1	1.50
26	4.418	41BTL26		1610	3 1/4	1	1.50
28	4.738	41BTL28		1610	3	1	1.70
30	5.057	41BTL30		1610	3	1	1.80
32	5.376	41BTL32		1610	3	1	1.90
35	5.856	41BTL35		1610	3	1	2.30
36	6.015	41BTL36		1610	3	1	2.40
40	6.653	41BTL40		1610	3	1	2.70
45	7.450	41BTL45		1610	3	1	3.50
48	7.928	41BTL48		1610	3	1	4.10
54	8.884	41BTL54		1610	3	1	4.90
60	9.840	41BTL60		1610	3	1	5.70
70	11.433	41BTL70		1610	3	1	7.40
72	11.752	41BTL72		1610	3	1	8.20
80	13.026	41BTL80		1610	3	1	9.60
96	15.573	41BTL96		1610	3	1	13.10



Type A - Plain Bore						Type B - Plain Bore						
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Wt. Lbs.	Catalog Number	List Price	Stock Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
8	1.507	40A8				40B8		1/2	1/2	31/32*	7/8	.18
9	1.674	40A9				40B9		1/2	9/16	1 1/16*	7/8	.20
10	1.839	40A10				40B10		1/2	3/4	1 1/4*	7/8	.27
11	2.003	40A11				40B11		1/2	7/8	1 3/8*	7/8	.35
12	2.166	40A12		1/2	.18	40B12		1/2	1	1 9/16*	7/8	.45
13	2.328	40A13		1/2	.22	40B13		1/2	1 1/16	1 9/16	7/8	.50
14	2.490	40A14		1/2	.26	40B14		1/2	1 1/8	1 11/16	7/8	.59
15	2.652	40A15		5/8	.30	40B15		1/2	1 1/4	1 13/16	7/8	.70
16	2.814	40A16		5/8	.34	40B16		5/8	1 3/8	2	7/8	.79
17	2.974	40A17		5/8	.36	40B17		5/8	1 7/16	2 1/8	1	1.04
18	3.136	40A18		5/8	.44	40B18		5/8	1 1/2	2 5/16	1	1.22
19	3.292	40A19		5/8	.46	40B19		5/8	1 3/4	2 1/2	1	1.43
20	3.457	40A20		5/8	.56	40B20		5/8	1 7/8	2 5/8	1	1.56
21	3.618	40A21		5/8	.58	40B21		5/8	1 7/8	2 3/4	1	1.73
22	3.778	40A22		5/8	.66	40B22		5/8	1 7/8	2 7/8	1	1.96
23	3.938	40A23		5/8	.72	40B23		5/8	2	3	1	2.13
24	4.098	40A24		5/8	.82	40B24		5/8	2 1/4	3	1	2.41
25	4.258	40A25		5/8	.88	40B25		5/8	2 1/4	3	1	2.54
26	4.418	40A26		5/8	.94	40B26		5/8	2 1/4	3	1	2.58
27	4.578	40A27		5/8	.98	40B27		5/8	2 1/4	3	1	2.66
28	4.738	40A28		5/8	1.10	40B28		5/8	2 1/4	3	1	2.73
29	4.898	40A29		5/8	1.22	40B29		5/8	2 1/4	3	1	2.88
30	5.057	40A30		5/8	1.26	40B30		5/8	2 1/4	3	1	2.98
31	5.217	40A31		3/4	1.40	40B31		5/8	2 1/4	3	1	3.08
32	5.376	40A32		3/4	1.48	40B32		5/8	2 1/4	3	1	3.16
33	5.536	40A33		3/4	1.56	40B33		5/8	2 1/4	3	1	3.22
34	5.696	40A34		3/4	1.64	40B34		5/8	2 1/4	3	1	3.30
35	5.856	40A35		3/4	1.70	40B35		5/8	2 1/4	3	1	3.46
36	6.015	40A36		3/4	1.84	40B36		5/8	2 1/4	3	1	3.58
37	6.174	40A37		3/4	1.92	40B37		5/8	2 1/4	3	1	3.64
38	6.334	40A38		3/4	2.00	40B38		5/8	2 1/4	3	1	3.70
39	6.494	40A39		3/4	2.02	40B39		5/8	2 1/4	3	1	4.10
40	6.653	40A40		3/4	2.22	40B40		3/4	2 3/8	3	1 1/8	4.69
41	6.812	40A41		3/4	2.42	40B41		3/4	2 3/8	3	1 1/8	4.76
42	6.972	40A42		3/4	2.50	40B42		3/4	2 3/8	3	1 1/8	4.82
43	7.132	40A43		3/4	2.80	40B43		3/4	2 3/8	3	1 1/8	5.05
44	7.291	40A44		3/4	2.85	40B44		3/4	2 3/8	3	1 1/8	5.15
45	7.450	40A45		3/4	3.15	40B45		3/4	2 3/8	3	1 1/8	5.30
46	7.609	40A46		3/4	3.26	40B46		3/4	2 3/8	3	1 1/8	5.40
47	7.769	40A47		3/4	3.32	40B47		3/4	2 3/8	3	1 1/8	5.44
48	7.928	40A48		3/4	3.38	40B48		3/4	2 3/8	3	1 1/8	5.84
49	8.088	40A49		3/4	3.44	40B49		3/4	2 3/8	3	1 1/8	5.90
50	8.248	40A50		3/4	3.62	40B50		3/4	2 3/8	3	1 1/8	5.96
51	8.406	40A51		3/4	3.94	40B51		3/4	2 3/8	3	1 1/8	6.10
52	8.566	40A52		3/4	4.08	40B52		3/4	2 3/8	3	1 1/8	6.20
53	8.725	40A53		3/4	4.04	40B53		3/4	2 3/8	3	1 1/8	6.30
54	8.884	40A54		3/4	4.44	40B54		3/4	2 3/8	3	1 1/8	6.42
55	9.044	40A55		15/16	4.54	40B55		3/4	2 3/8	3	1 1/8	6.60
56	9.204	40A56		15/16	4.84	40B56		3/4	2 3/8	3	1 1/8	6.80
57	9.362	40A57		15/16	5.00	40B57		3/4	2 3/8	3	1 1/8	6.90
58	9.522	40A58		15/16	5.12	40B58		3/4	2 3/8	3	1 1/8	7.40
59	9.682	40A59		15/16	5.30	40B59		3/4	2 3/8	3	1 1/8	7.60
60	9.840	40A60		15/16	5.48	40B60		3/4	2 3/8	3	1 1/8	7.86
70	11.274	40A70		15/16	7.24	40B70		3/4	2 3/4	3	1 1/4	11.00
72	11.752	40A72		15/16	7.74	40B72		3/4	2 3/4	3	1 1/4	11.50
80	13.026	40A80		15/16	10.20	40B80		3/4	2 3/4	3	1 1/4	13.40
84	13.663	40A84		15/16	10.07	40B84		3/4	2 3/4	3	1 1/4	14.04
96	15.573	40A96		15/16	12.15	40B96		1	2 3/4	3	1 1/4	17.56
112	18.121	40A112		15/16	20.00	40B112		1	2 3/4	3	1 1/4	22.56

\* Has recessed groove in hub for chain clearance. Maximum bores shown will accommodate standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.

### Type F - Bored to size

No. Teeth	Outside Diameter	Catalog Number	List Price	Available Finished Bores (Includes Standard Kw. & 2-ss)	Wt. Lbs.
9	1.674	40B9F		1/2 - 5/8	.16
10	1.839	40B10F		1/2 - 5/8 - 3/4	.24
11	2.003	40B11F		1/2 - 5/8 - 3/4 - 7/8	.28
12	2.166	40B12F		1/2 - 5/8 - 3/4 - 7/8 - 1	.34
13	2.328	40B13F		1/2 - 5/8 - 3/4 - 7/8 - 1	.45
14	2.490	40B14F		1/2 - 5/8 - 3/4 - 7/8 - 1 - 1 1/8	.51
15	2.652	40B15F		1/2 - 5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	.53
16	2.814	40B16F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	.66
17	2.974	40B17F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	.88
18	3.136	40B18F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	1.03
19	3.292	40B19F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	1.17
20	3.457	40B20F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	1.33
21	3.618	40B21F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	1.53
22	3.778	40B22F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	1.66
23	3.938	40B23F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	1.92
24	4.098	40B24F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	2.10
25	4.258	40B25F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	2.22
26	4.418	40B26F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	2.34
27	4.578	40B27F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	2.42
28	4.738	40B28F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	2.50
29	4.898	40B29F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	2.60
30	5.057	40B30F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	2.70
32	5.376	40B32F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	3.00
33	5.536	40B33F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	3.08
34	5.696	40B34F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	3.15
35	5.856	40B35F		5/8 - 3/4 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	3.20
36	6.015	40B36F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	3.70
38	6.334	40B38F		5/8 - 3/4 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	3.85
40	6.653	40B40F		3/4 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	4.28
42	6.972	40B42F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	4.70
44	7.291	40B44F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	4.82
45	7.450	40B45F		3/4 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	5.06
46	7.609	40B46F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	5.36
48	7.928	40B48F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	5.84
50	8.248	40B50F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	5.96
52	8.566	40B52F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	6.14
54	8.884	40B54F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	6.42
60	9.840	40B60F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	7.09
70	11.433	40B70F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	8.90
72	11.752	40B72F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	9.50
96	15.573	40B96F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	16.50

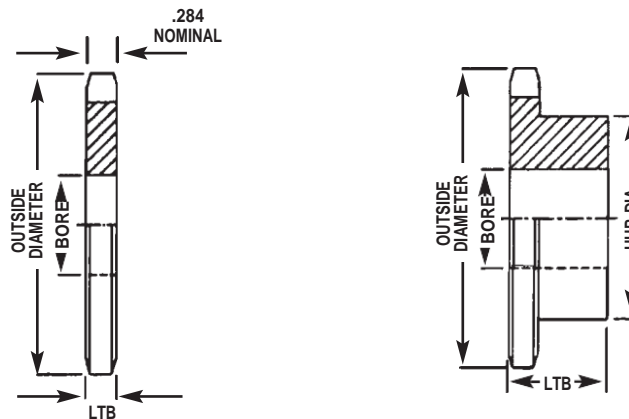
Hub diameters vary to suit different bore sizes.

**HARDENED TEETH**

**1/2" Pitch**

Type B - Plain Bore					Type F - Bored to size			
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Catalog Number	List Price	Available Finished Bores (Includes Standard Kw. & 2-ss)	Wt. Lbs.
8	1.507	H40B8		1/2				.12
9	1.674	H40B9		1/2	H40B9F		1/2 - 5/8	.22
10	1.839	H40B10		1/2	H40B10F		1/2 - 5/8 - 3/4	.25
11	2.003	H40B11		1/2	H40B11F		1/2 - 5/8 - 3/4 - 7/8	.38
12	2.166	H40B12		1/2	H40B12F		1/2 - 5/8 - 3/4 - 7/8 - 1	.44
13	2.328	H40B13		1/2	H40B13F		1/2 - 5/8 - 3/4 - 7/8 - 1	.50
14	2.490	H40B14		1/2	H40B14F		1/2 - 5/8 - 3/4 - 7/8 - 1 - 1 1/8	.57
15	2.652	H40B15		1/2	H40B15F		1/2 - 5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	.69
16	2.814	H40B16		5/8	H40B16F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	.81
17	2.974	H40B17		5/8	H40B17F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	.94
18	3.136	H40B18		5/8	H40B18F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2	1.10
19	3.292	H40B19		5/8	H40B19F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2	1.20
20	3.457	H40B20		5/8	H40B20F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2	1.60
21	3.618	H40B21		5/8	H40B21F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2	1.80
22	3.778	H40B22		5/8	H40B22F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2	2.00
23	3.938	H40B23		5/8	H40B23F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2	2.10
24	4.098	H40B24		5/8	H40B24F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2	2.20
25	4.258	H40B25		5/8	H40B25F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2	2.30
26	4.418	H40B26		5/8	H40B26F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2	2.40
28	4.738	H40B28		5/8	H40B28F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2	2.50
30	5.057	H40B30		5/8	H40B30F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2	2.70

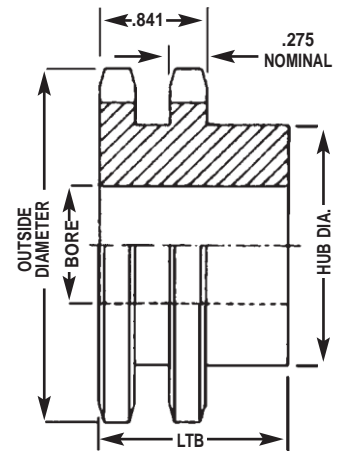
Hub diameters vary to suit different bore sizes.





**40-2 Double Strand**

No. Teeth	Outside Diameter	Catalog Number	List Price	Hub Dia.	LTB	Stock Bore	Max. Bore	Wt. Lbs
11	2.003	D40B11H		1 7/16*	1 1/2	1/2	3/4	.60
12	2.166	D40B12H		1 9/16*	1 1/2	1/2	7/8	.70
13	2.328	D40B13H		1 1/2	1 1/2	1/2	1	.80
14	2.490	D40B14H		1 21/32	1 1/2	1/2	1 1/8	1.00
15	2.652	D40B15H		1 21/32	1 1/2	1/2	1 1/4	1.20
16	2.814	D40B16H		1 31/32	1 1/2	5/8	1 3/8	1.40
17	2.974	D40B17H		2 5/32	1 1/2	5/8	1 7/16	1.60
18	3.136	D40B18H		2 5/16	1 1/2	5/8	1 1/2	1.90
19	3.292	D40B19H		2 15/32	1 3/2	5/8	1 5/8	2.10
20	3.457	D40B20H		2 5/8	1 5/8	5/8	1 3/4	2.60
21	3.618	D40B21H		2 25/32	1 5/8	5/8	1 7/8	2.90
22	3.778	D40B22H		2 15/16	1 5/8	5/8	1 7/8	3.30
23	3.938	D40B23H		3 3/32	1 5/8	5/8	2	3.60
24	4.098	D40B24H		3 3/32	1 5/8	5/8	2 1/4	4.00
25	4.258	D40B25H		3 7/16	1 5/8	5/8	2 1/4	4.40
26	4.418	D40B26		3 19/32	1 5/8	5/8	2 1/4	4.80
30	5.057	D40B30		3 1/4	1 5/8	3/4	2 1/4	5.60
35	5.856	D40B35		3 1/4	1 5/8	3/4	2 1/4	7.10
36	6.015	D40B36		3 3/4	1 3/4	3/4	2 1/2	9.40
40	6.653	D40B40		3 3/4	1 3/4	3/4	2 1/2	10.80
42	6.972	D40B42		3 3/4	1 3/4	3/4	2 1/2	11.60
45	7.450	D40B45		3 3/4	1 3/4	3/4	2 1/2	12.90
48	7.928	D40B48		3 3/4	1 3/4	3/4	2 1/2	14.20
52	8.566	D40B52		3 3/4	1 3/4	3/4	2 1/2	16.20
54	8.884	D40B54		3 3/4	1 3/4	3/4	2 1/2	17.20
60	9.840	D40B60		3 3/4	1 3/4	3/4	2 1/2	20.60
68	11.115	D40B68		4	2 1/8	1	2 3/4	26.30
72	11.752	D40B72		4	2 1/8	1	2 3/4	29.10
76	12.389	D40B76		4 1/4	2 1/8	1	2 7/8	32.60
84	13.663	D40B84		4 1/4	2 1/8	1	2 7/8	38.90
96	15.573	D40B96		4 1/4	2 1/8	1	2 7/8	51.30
112	18.121	D40B112		4 1/4	2 1/8	1	2 7/8	67.80



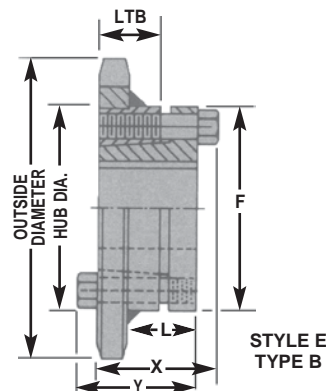
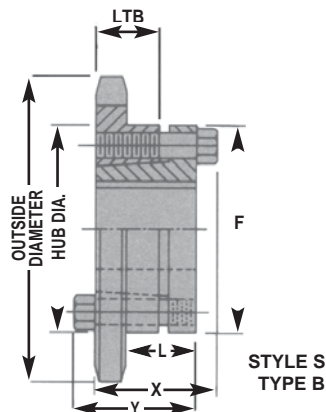
\* Has recessed groove for hub in chain clearance.

**40 Q-Bushed**

No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Hub Dia.	LTB	Wt. Lbs.
15	2.652	40JA15		JA	2 1/16	9/16	.30
16	2.814	40JA16		JA	2 1/16	9/16	.40
17	2.974	40JA17		JA	2 3/16	9/16	.50
18	3.136	40JA18		JA	2 1/4	9/16	.50
19	3.292	40JA19		JA	2 1/4	9/16	.60
20	3.457	40SH20		SH	2 3/4	13/16	.60
21	3.618	40SH21		SH	2 3/4	13/16	.80
22	3.778	40SH22		SH	3	13/16	1.10
23	3.938	40SH23		SH	3	13/16	1.10
24	4.098	40SH24		SH	3	13/16	1.20
26	4.418	40SH26		SH	3	13/16	1.40
27	4.578	40SH27		SH	3	13/16	1.50
28	4.738	40SH28		SH	3	13/16	1.60
30	5.057	40SH30		SH	3	13/16	1.70
32	5.376	40SH32		SH	3	13/16	1.90
35	5.856	40SH35		SH	3	13/16	2.20
36	6.015	40SDS36		SDS	3 1/2	3/4	2.30
40	6.653	40SDS40		SDS	3 1/2	3/4	2.80
42	6.972	40SDS42		SDS	3 1/2	3/4	3.00
45	7.450	40SDS45		SDS	3 1/2	3/4	3.40
48	7.928	40SDS48		SDS	3 1/2	3/4	3.90
54	8.884	40SDS54		SDS	3 1/2	3/4	4.70
60	9.840	40SDS60		SDS	3 1/2	3/4	5.80
70	11.433	40SK70		SK	4 1/4	1 1/4	9.00
72	11.752	40SK72		SK	4 1/4	1 1/4	9.10
80	13.026	40SK80		SK	4 1/4	1 1/4	11.10
84	13.663	40SK84		SK	4 1/4	1 1/4	11.60
96	15.573	40SK96		SK	4 1/4	1 1/4	15.30
112	18.121	40SK112		SK	4 1/4	1 1/4	19.50

**Hardened Teeth**

Catalog Number	List Price
H40JA15	
H40JA16	
H40JA17	
H40JA18	
H40JA19	
H40SH20	
H40SH21	
H40SH22	
H40SH23	
H40SH24	
H40SH25	
H40SH26	
H40SH27	
H40SH28	
H40SH30	

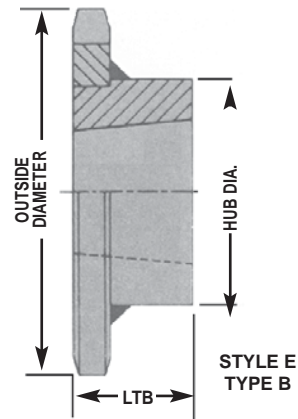
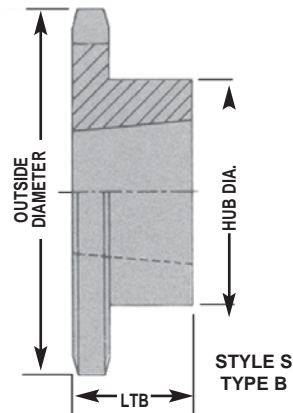


**40 Taper-Bushed**

**Hardened Teeth**

No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Hub Dia.	LTB	Wt. Lbs.
14	2.490	40BTL14		1008	1 13/16	7/8	.30
15	2.652	40BTL15		1008	1 13/16	7/8	.40
16	2.814	40BTL16		1008	1 15/16	7/8	.50
17	2.974	40BTL17		1210	2 3/8	1	.50
18	3.136	40BTL18		1210	2 15/32	1	.60
19	3.292	40BTL19		1210	2 15/32	1	.70
20	3.457	40BTL20		1610	2 25/32	1	.70
21	3.618	40BTL21		1610	2 25/32	1	.80
22	3.778	40BTL22		1610	3	1	.90
23	3.938	40BTL23		1610	3	1	1.00
24	4.098	40BTL24		1610	3	1	1.40
25	4.258	40BTL25		1610	3	1	1.50
26	4.418	40BTL26		1610	3	1	1.70
28	4.738	40BTL28		1610	3	1	1.80
30	5.057	40BTL30		1610	3	1	1.90
32	5.376	40BTL32		1610	3	1	1.90
35	5.856	40BTL35		1610	3	1	2.30
36	6.015	40BTL36		1610	3	1	2.40
40	6.653	40BTL40		1610	3	1	2.80
42	6.972	40BTL42		1610	3	1	2.90
45	7.450	40BTL45		1610	3	1	3.50
48	7.928	40BTL48		1610	3	1	4.00
54	8.884	40BTL54		1610	3	1	4.90
60	9.840	40BTL60		1610	3	1	6.00
70	11.433	40BTL70		2012	3 5/8	1 1/4	8.20
72	11.752	40BTL72		2012	3 5/8	1 1/4	9.00
80	13.026	40BTL80		2012	3 5/8	1 1/4	10.80
84	13.663	40BTL84		2012	3 5/8	1 1/4	11.30
96	15.573	40BTL96		2012	3 5/8	1 1/4	14.60
112	18.121	40BTL112		2517	4 1/4	1 3/4	20.50

Catalog Number	List Price
H40BTL14	
H40BTL15	
H40BTL16	
H40BTL17	
H40BTL18	
H40BTL19	
H40BTL20	
H40BTL21	
H40BTL22	
H40BTL23	
H40BTL24	
H40BTL25	
H40BTL26	
H40BTL28	
H40BTL30	
H40BTL36	



Type A - Plain Bore						Type B - Plain Bore						
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Wt. Lbs.	Catalog Number	List Price	Stock Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
8	1.884	50A8				50B8		5/8	5/8	1 1/8*	1	.25
9	2.093	50A9				50B9		5/8	3/4	1 3/8*	1	.36
10	2.299	50A10				50B10		5/8	7/8	1 9/16*	1	.48
11	2.504	50A11				50B11		5/8	1	1 3/4*	1	.64
12	2.708	50A12		5/8	.34	50B12		5/8	1 1/4	1 63/64*	1	.83
13	2.911	50A13		5/8	.42	50B13		5/8	1 5/16	1 7/8	1	.88
14	3.113	50A14		5/8	.50	50B14		5/8	1 7/16	2 1/8	1	1.13
15	3.315	50A15		5/8	.54	50B15		5/8	1 1/2	2 3/8	1	1.34
16	3.517	50A16		5/8	.68	50B16		5/8	1 3/4	2 1/2	1	1.51
17	3.718	50A17		5/8	.76	50B17		5/8	1 7/8	2 11/16	1	1.74
18	3.919	50A18		5/8	.86	50B18		5/8	1 7/8	2 7/8	1	2.00
19	4.121	50A19		5/8	.94	50B19		5/8	2 **	3	1	2.22
20	4.321	50A20		3/4	1.06	50B20		3/4	2 **	3	1	2.28
21	4.522	50A21		3/4	1.12	50B21		3/4	2 **	3	1	2.40
22	4.722	50A22		3/4	1.30	50B22		3/4	2 **	3	1	2.56
23	4.923	50A23		3/4	1.44	50B23		3/4	2 **	3	1	2.66
24	5.123	50A24		3/4	1.50	50B24		3/4	2	3	1 1/4	3.30
25	5.323	50A25		3/4	1.62	50B25		3/4	2	3	1 1/4	3.40
26	5.523	50A26		3/4	1.72	50B26		3/4	2	3	1 1/4	3.44
27	5.723	50A27		3/4	1.96	50B27		3/4	2	3	1 1/4	3.74
28	5.922	50A28		3/4	2.04	50B28		3/4	2	3	1 1/4	3.80
29	6.122	50A29		3/4	2.36	50B29		3/4	2	3	1 1/4	4.06
30	6.321	50A30		3/4	2.54	50B30		3/4	2 1/8	3 1/4	1 1/4	4.56
31	6.521	50A31		3/4	2.72	50B31		3/4	2 1/8	3 1/4	1 1/4	4.74
32	6.721	50A32		3/4	2.80	50B32		3/4	2 1/8	3 1/4	1 1/4	4.96
33	6.921	50A33		3/4	3.14	50B33		3/4	2 1/8	3 1/4	1 1/4	5.20
34	7.120	50A34		3/4	3.20	50B34		3/4	2 1/8	3 1/4	1 1/4	5.14
35	7.319	50A35		3/4	3.34	50B35		3/4	2 1/8	3 1/4	1 1/4	5.44
36	7.519	50A36		3/4	3.82	50B36		3/4	2 1/8	3 1/4	1 1/4	5.64
37	7.718	50A37		15/16	3.98	50B37		3/4	2 1/8	3 1/4	1 1/4	5.90
38	7.918	50A38		15/16	4.14	50B38		3/4	2 1/8	3 1/4	1 1/4	6.08
39	8.117	50A39		15/16	4.42	50B39		3/4	2 1/8	3 1/4	1 1/4	6.30
40	8.316	50A40		15/16	4.46	50B40		3/4	2 1/8	3 1/4	1 1/4	6.50
41	8.516	50A41		15/16	4.86	50B41		3/4	2 1/8	3 1/4	1 1/4	6.75
42	8.715	50A42		15/16	4.98	50B42		3/4	2 1/8	3 1/4	1 1/4	6.96
43	8.914	50A43		15/16	5.24	50B43		3/4	2 1/8	3 1/4	1 1/4	7.30
44	9.114	50A44		15/16	5.42	50B44		3/4	2 1/8	3 1/4	1 1/4	7.58
45	9.313	50A45		15/16	5.92	50B45		3/4	2 1/8	3 1/4	1 1/4	8.58
46	9.512	50A46		15/16	6.42	50B46		3/4	2 1/8	3 1/4	1 1/4	8.90
47	9.711	50A47		15/16	6.50	50B47		3/4	2 1/8	3 1/4	1 1/4	9.05
48	9.911	50A48		15/16	6.58	50B48		1	2 1/8	3 1/4	1 1/4	9.28
49	10.110	50A49		15/16	7.06	50B49		1	2 1/8	3 1/4	1 1/4	9.55
50	10.309	50A50		15/16	7.10	50B50		1	2 1/8	3 1/4	1 1/4	9.88
51	10.508	50A51		15/16	7.32	50B51		1	2 1/8	3 1/4	1 1/4	10.00
52	10.708	50A52		15/16	7.98	50B52		1	2 1/8	3 1/4	1 1/4	10.24
53	10.907	50A53		15/16	8.08	50B53		1	2 1/8	3 1/4	1 1/4	10.65
54	11.106	50A54		15/16	8.30	50B54		1	2 1/8	3 1/4	1 1/4	11.00
55	11.305	50A55		15/16	8.56	50B55		1	2 1/8	3 1/4	1 1/4	11.60
56	11.504	50A56		15/16	8.90	50B56		1	2 1/8	3 1/4	1 1/4	11.85
57	11.703	50A57		15/16	9.38	50B57		1	2 1/8	3 1/4	1 1/4	12.00
58	11.903	50A58		15/16	10.30	50B58		1	2 1/8	3 1/4	1 1/4	12.30
59	12.102	50A59		15/16	10.50	50B59		1	2 1/8	3 1/4	1 1/4	12.80
60	12.301	50A60		15/16	10.80	50B60		1	2 1/8	3 1/4	1 1/4	13.00
70	14.292	50A70		15/16	14.00	50B70		1	2 1/8	3 1/4	1 3/4	18.16
72	14.690	50A72		15/16	15.24	50B72		1	2 1/8	3 1/4	1 3/4	19.48
76	15.486	50A76		15/16	20.08	50B76		1	2 1/8	3 1/4	1 3/4	21.00
80	16.283	50A80		15/16	21.00	50B80		1	2 1/8	3 1/4	1 3/4	24.74
84	17.079	50A84		15/16	22.08	50B84		1	2 1/8	3 1/4	1 3/4	25.50
95	19.268	50A95		15/16	27.00	50B95		1	2 1/8	3 1/4	1 3/4	32.00
96	19.467	50A96		15/16	27.40	50B96		1	2 1/8	3 1/4	1 3/4	32.92
112	22.651	50A112		15/16	37.70	50B112		1	2 1/8	3 1/4	1 3/4	42.00

\* Has recessed groove in hub for chain clearance. Maximum bores shown will accommodate standard keyway and setscrew over keyway.

Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.

\*\* Has 3/8" setscrew for 2" bore.

**Type F - Bored to size**

No. Teeth	Outside Diameter	Catalog Number	List Price	Available Finished Bores (Includes Standard Kw. & 2-ss)	Wt. Lbs.
9	2.093	50B9F		5/8 - 3/4	.30
10	2.299	50B10F		5/8 - 3/4 - 7/8 - 1*	.30
11	2.504	50B11F		5/8 - 3/4 - 7/8 - 1*	.60
12	2.708	50B12F		5/8 - 3/4 - 7/8 - 1 - 1-1/8 1-3/16 - 1-1/4	.70
13	2.911	50B13F		5/8 - 3/4 - 7/8 - 1 - 1-1/8 1-3/16 - 1-1/4	.80
14	3.113	50B14F		5/8 - 3/4 - 7/8 - 1 - 1-1/8 1-3/16 - 1-1/4	1.00
15	3.315	50B15F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	1.20
16	3.517	50B16F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8	1.50
17	3.718	50B17F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8	1.70
18	3.919	50B18F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8	2.00
19	4.121	50B19F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8	2.20
20	4.321	50B20F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8	2.50
21	4.522	50B21F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8	2.60
22	4.722	50B22F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8	2.80
23	4.923	50B23F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8	3.20
24	5.123	50B24F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8	4.00
25	5.323	50B25F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8	4.30
26	5.523	50B26F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8	4.50
27	5.723	50B27F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8	4.60
28	5.922	50B28F		3/4 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8	4.80
29	6.122	50B29F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8	5.00
30	6.321	50B30F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8	5.20
32	6.721	50B32F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 15/16	5.70
33	6.921	50B33F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 15/16	5.90
34	7.120	50B34F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 15/16	6.30
35	7.319	50B35F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 15/16	6.50
36	7.519	50B36F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 15/16	6.90
38	7.918	50B38F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 15/16	7.50
40	8.316	50B40F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 7/16 - 1 1/2 - 1 15/16	7.80
42	8.715	50B42F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 15/16	8.00
44	9.114	50B44F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 15/16	8.30
45	9.313	50B45F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 15/16	8.50
48	9.911	50B48F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 15/16	9.00
50	10.309	50B50F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 15/16	9.40
54	11.106	50B54F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 15/16	10.50
60	12.301	50B60F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 15/16	12.00
70	14.292	50B70F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 15/16	15.00
72	14.690	50B72F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 15/16	16.00
80	16.283	50B80F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 15/16	22.00
96	19.467	50B96F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 3/4 - 1 15/16	29.00

\* Setscrew at 90 and 180 degrees from keyway. Hub diameters vary to suit different bore sizes.

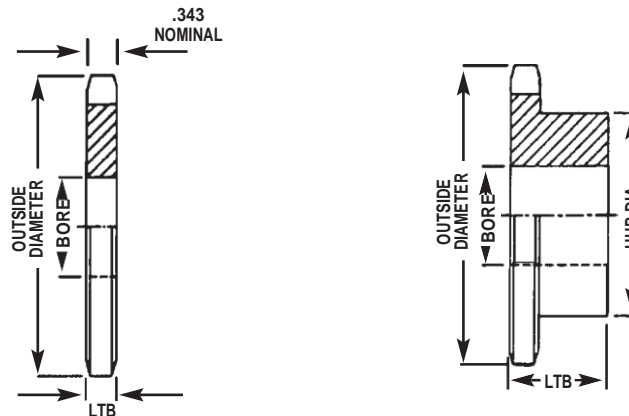


**HARDENED TEETH**

**5/8" Pitch**

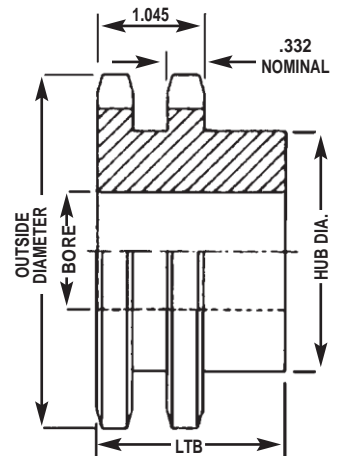
Type B - Plain Bore					Type F - Bored to size			
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Catalog Number	List Price	Available Finished Bores (Includes Standard Kw. & 2-ss)	Wt. Lbs.
9	2.093	H50B9		5/8	H50B9F		5/8 - 3/4*	.33
10	2.299	H50B10		5/8	H50B10F		5/8 - 3/4 - 7/8 - 1*	.49
11	2.504	H50B11		5/8	H50B11F		5/8 - 3/4 - 7/8 - 1*	.64
12	2.708	H50B12		5/8	H50B12F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	.81
13	2.911	H50B13		5/8	H50B13F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4*	.92
14	3.113	H50B14		5/8	H50B14F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	1.00
15	3.315	H50B15		5/8	H50B15F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16	1.20
16	3.517	H50B16		5/8	H50B16F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	1.40
17	3.718	H50B17		5/8	H50B17F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	1.70
18	3.919	H50B18		5/8	H50B18F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	2.20
19	4.121	H50B19		5/8	H50B19F		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	2.30
20	4.321	H50B20		3/4	H50B20F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	2.40
21	4.522	H50B21		3/4	H50B21F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	2.90
22	4.722	H50B22		3/4	H50B22F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	3.00
23	4.923	H50B23		3/4	H50B23F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	3.10
24	5.123	H50B24		3/4	H50B24F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	3.20

\* Setscrew at 90 and 180 degrees from keyway. Hub diameters vary to suit different bore sizes.



**50-2 Double Strand**

No. Teeth	Outside Diameter	Catalog Number	List Price	Hub Dia.	LTB	Stock Bore	Max. Bore	Wt. Lbs.
11	2.504	D50B11H		1 3/4*	1 3/4	5/8	15/16	.90
12	2.708	D50B12H		1 15/16*	1 3/4	5/8	1 1/8	1.20
13	2.911	D50B13H		1 7/8	1 3/4	5/8	1 5/16	1.50
14	3.113	D50B14H		2 3/32	1 3/4	5/8	1 3/8	1.90
15	3.315	D50B15H		2 3/32	1 3/4	5/8	1 1/2	2.30
16	3.517	D50B16H		2 1/2	1 3/4	5/8	1 5/8	2.70
17	3.718	D50B17H		2 11/16	1 3/4	5/8	1 7/8	3.10
18	3.919	D50B18H		2 7/8	1 3/4	5/8	1 15/16	3.60
19	4.121	D50B19H		3 3/32	1 3/4	5/8	2 1/8	4.10
20	4.321	D50B20H		3 3/32	1 3/4	5/8	2 1/4	4.60
21	4.522	D50B21H		3 1/2	1 3/4	3/4	2 3/8	5.10
22	4.722	D50B22H		3 9/16	1 7/8	3/4	2 3/8	5.90
23	4.923	D50B23H		3 3/4	1 7/8	3/4	2 1/2	6.50
24	5.123	D50B24H		3 3/4	1 7/8	3/4	2 1/2	6.90
25	5.323	D50B25H		3 3/4	1 7/8	1	2 1/2	7.10
26	5.523	D50B26		3 3/4	1 7/8	1	2 1/2	7.80
30	6.321	D50B30		3 3/4	1 7/8	1	2 1/2	9.80
32	6.721	D50B32		3 3/4	1 7/8	1	2 1/2	11.00
35	7.319	D50B35		3 3/4	1 7/8	1	2 1/2	12.90
36	7.519	D50B36		4	2 1/8	1	2 3/4	16.00
40	8.316	D50B40		4	2 1/8	1	2 3/4	18.80
42	8.715	D50B42		4	2 1/8	1	2 3/4	20.40
45	9.313	D50B45		4	2 1/8	1	2 3/4	22.90
48	9.911	D50B48		4 1/4	2 3/8	1	2 7/8	25.50
54	11.106	D50B54		4 1/4	2 3/8	1 1/4	2 7/8	33.70
60	12.301	D50B60		4 1/2	2 3/8	1 1/4	3	40.30
68	13.894	D50B68		4 1/2	2 3/8	1 1/4	3	50.20
72	14.690	D50B72		4 1/2	2 3/8	1 1/4	3	56.60
76	15.486	D50B76		4 1/2	2 3/8	1 1/4	3	62.40
84	17.079	D50B84		4 1/2	2 3/8	1 1/4	3	74.80
96	19.467	D50B96		4 1/2	2 3/8	1 1/4	3	99.00
112	22.651	D50B112		5 1/4	2 3/8	1 1/4	3 5/16	131.50



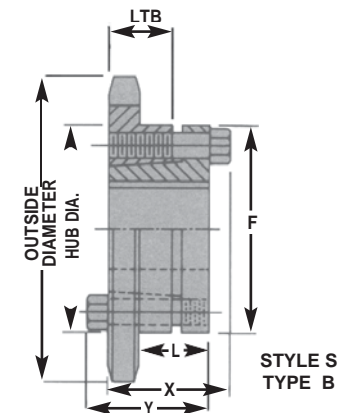
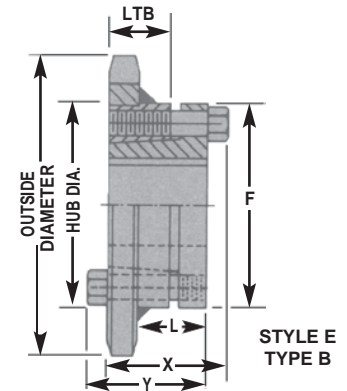
\* Has recessed groove in hub for chain clearance.

**50 Q-Bushed**

No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Hub Dia.	LTB	Wt. Lbs.
12	2.708	50JA12		JA	1 59/64	9/16	.30
13	2.911	50JA13		JA	2 1/16	9/16	.40
14	3.113	50JA14		JA	2 1/8	9/16	.50
15	3.315	50JA15		JA	2 1/4	9/16	.60
16	3.517	50JA16		JA	2 1/4	9/16	.70
17	3.718	50SH17		SH	2 3/4	13/16	.80
18	3.919	50SH18		SH	2 7/8	13/16	1.00
19	4.121	50SH19		SH	3	13/16	1.00
20	4.321	50SDS20		SDS	3 5/16	3/4	1.20
21	4.522	50SDS21		SDS	3 1/2	3/4	1.50
22	4.722	50SDS22		SDS	3 1/2	3/4	1.60
23	4.923	50SDS23		SDS	3 1/2	3/4	1.70
24	5.123	50SDS24		SDS	3 5/8	3/4	1.90
25	5.323	50SDS25		SDS	3 5/8	3/4	2.00
26	5.523	50SDS26		SDS	3 5/8	3/4	2.10
27	5.723	50SDS27		SDS	3 5/8	3/4	2.30
28	5.922	50SDS28		SDS	3 5/8	3/4	2.50
30	6.321	50SDS30		SDS	3 5/8	3/4	2.70
32	6.721	50SDS32		SDS	3 5/8	3/4	3.10
35	7.319	50SDS35		SDS	3 5/8	3/4	3.70
36	7.519	50SDS36		SDS	3 5/8	3/4	3.80
40	8.316	50SDS40		SDS	3 5/8	3/4	4.70
42	8.715	50SDS42		SDS	3 5/8	3/4	5.10
45	9.313	50SDS45		SDS	3 5/8	3/4	5.80
48	9.911	50SDS48		SDS	3 5/8	3/4	6.90
54	11.106	50SK54		SK	4 1/4	1 1/4	10.20
60	12.301	50SK60		SK	4 1/4	1 1/4	11.30
70	14.292	50SK70		SK	4 1/4	1 1/4	14.70
72	14.690	50SK72		SK	4 1/4	1 1/4	15.60
80	16.283	50SF80		SF	5	1 1/4	19.70
84	17.079	50SF84		SF	5	1 1/4	21.60
96	19.467	50SF96		SF	5	1 1/4	27.60
112	22.651	50SF112		SF	5	1 1/4	38.10

**Hardened Teeth**

Catalog Number	List Price
H50JA12	
H50JA13	
H50JA14	
H50JA15	
H50JA16	
H50SH17	
H50SH18	
H50SH19	
H50SDS20	
H50SDS21	
H50SDS22	
H50SDS23	
H50SDS24	
H50SDS25	
H50SDS26	
H50SDS27	
H50SDS28	
H50SDS30	

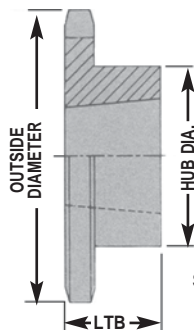


### 50 Taper-Bushed

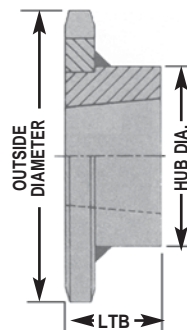
### Hardened Teeth

No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Hub Dia.	LTB	Wt. Lbs.
12	2.708	50BTL12		1008	1 15/16	7/8	.50
13	2.911	50BTL13		1008	1 15/16	7/8	.50
14	3.113	50BTL14		1008	1 15/16	7/8	.60
15	3.315	50BTL15		1210	2 15/32	1	.70
16	3.517	50BTL16		1610	2 25/32	1	.70
17	3.718	50BTL17		1610	2 25/32	1	.80
18	3.919	50BTL18		1610	2 25/32	1	.90
19	4.121	50BTL19		1610	3	1	1.30
20	4.321	50BTL20		1610	3	1	1.60
21	4.522	50BTL21		1610	3	1	1.50
22	4.722	50BTL22		1610	3	1	1.60
23	4.923	50BTL23		2012	3 5/8	1 1/4	2.00
24	5.123	50BTL24		2012	3 5/8	1 1/4	2.20
25	5.323	50BTL25		2012	3 5/8	1 1/4	2.40
26	5.523	50BTL26		2012	3 5/8	1 1/4	2.50
27	5.723	50BTL27		2012	3 5/8	1 1/4	2.60
28	5.922	50BTL28		2012	3 5/8	1 1/4	2.80
30	6.321	50BTL30		2012	3 5/8	1 1/4	3.20
32	6.721	50BTL32		2012	3 5/8	1 1/4	3.60
35	7.319	50BTL35		2012	3 5/8	1 1/4	4.20
36	7.519	50BTL36		2012	3 5/8	1 1/4	4.30
40	8.316	50BTL40		2012	3 5/8	1 1/4	5.20
42	8.715	50BTL42		2012	3 5/8	1 1/4	5.90
45	9.313	50BTL45		2012	3 5/8	1 1/4	6.50
48	9.911	50BTL48		2012	3 5/8	1 1/4	7.30
54	11.106	50BTL54		2012	3 5/8	1 1/4	9.00
60	12.301	50BTL60		2012	3 5/8	1 1/4	10.80
70	14.292	50BTL70		2517	4 1/4	1 3/4	14.00
72	14.690	50BTL72		2517	4 1/4	1 3/4	15.50
80	16.283	50BTL80		2517	4 1/4	1 3/4	19.50
84	17.079	50BTL84		2517	4 1/4	1 3/4	22.50
96	19.467	50BTL96		2517	4 1/4	1 3/4	29.00
112	22.651	50BTL112		2517	4 1/4	1 3/4	38.70

Catalog Number	List Price
H50BTL12	
H50BTL13	
H50BTL14	
H50BTL15	
H50BTL16	
H50BTL17	
H50BTL18	
H50BTL19	
H50BTL20	
H50BTL21	
H50BTL22	
H50BTL23	
H50BTL24	
H50BTL25	
H50BTL26	
H50BTL27	
H50BTL28	
H50BTL30	
H50BTL32	
H50BTL35	
H50BTL36	
H50BTL45	



STYLE S  
TYPE B



STYLE E  
TYPE B

Type A - Plain Bore						Type B - Plain Bore						
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Wt. Lbs.	Catalog Number	List Price	Stock Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
8	2.261	60A8				60B8		5/8	5/8	1 15/32*	1 1/4	.54
9	2.511	60A9				60B9		3/4	1	1 9/16*	1 1/4	.64
10	2.759	60A10		3/4	.44	60B10		3/4	1 1/8	1 15/16*	1 1/4	.99
11	3.005	60A11		3/4	.54	60B11		3/4	1 5/16	2 1/16*	1 1/4	1.16
12	3.249	60A12		3/4	.68	60B12		3/4	1 3/8	2 3/8*	1 1/4	1.47
13	3.493	60A13		3/4	.80	60B13		3/4	1 1/2	2 11/32	1 1/4	1.66
14	3.736	60A14		3/4	.94	60B14		3/4	1 3/4	2 9/16	1 1/4	2.00
15	3.978	60A15		3/4	1.08	60B15		3/4	1 7/8	2 7/8	1 1/4	2.51
16	4.220	60A16		3/4	1.24	60B16		3/4	2	3 1/16	1 1/4	2.81
17	4.462	60A17		3/4	1.44	60B17		3/4	2 1/4	3 1/4	1 1/4	3.22
18	4.703	60A18		3/4	1.62	60B18		3/4	2 3/8	3 1/2	1 1/4	3.72
19	4.945	60A19		3/4	1.84	60B19		3/4	2 3/8	3 1/2	1 1/4	3.92
20	5.186	60A20		3/4	2.12	60B20		3/4	2 5/8	3 7/8	1 1/4	4.63
21	5.426	60A21		1	2.28	60B21		3/4	2 3/4	4	1 1/4	5.00
22	5.666	60A22		1	2.48	60B22		3/4	2 3/4	4	1 1/4	5.25
23	5.907	60A23		1	2.68	60B23		3/4	2 3/4	4	1 1/4	5.48
24	6.147	60A24		1	3.00	60B24		3/4	2 3/4	4	1 1/4	5.78
25	6.387	60A25		1	3.34	60B25		3/4	2 3/4	4	1 1/4	6.13
26	6.627	60A26		1	3.54	60B26		3/4	2 3/4	4	1 1/4	6.38
27	6.867	60A27		1	3.96	60B27		3/4	2 3/4	4	1 1/4	6.72
28	7.106	60A28		1	4.14	60B28		3/4	2 3/4	4	1 1/4	6.88
29	7.346	60A29		1	4.40	60B29		3/4	2 3/4	4	1 1/4	7.28
30	7.586	60A30		1	4.78	60B30		3/4	2 3/4	4	1 1/4	7.58
31	7.826	60A31		1	5.24	60B31		3/4	2 3/4	4	1 1/4	7.72
32	8.065	60A32		1	5.52	60B32		3/4	2 3/4	4	1 1/4	8.26
33	8.305	60A33		1	5.86	60B33		1	2 3/4	4	1 1/4	8.42
34	8.544	60A34		1	6.16	60B34		1	2 3/4	4	1 1/4	8.80
35	8.783	60A35		1	6.78	60B35		1	2 3/4	4	1 1/4	9.04
36	9.023	60A36		1	6.82	60B36		1	2 3/4	4	1 1/4	9.60
37	9.262	60A37		1	7.52	60B37		1	2 3/4	4	1 1/4	10.24
38	9.501	60A38		1	7.84	60B38		1	2 3/4	4	1 1/4	10.84
39	9.740	60A39		1	8.28	60B39		1	2 3/4	4	1 1/4	11.36
40	9.980	60A40		1	8.56	60B40		1	2 3/4	4	1 1/4	11.50
41	10.219	60A41		1	9.10	60B41		1	2 3/4	4	1 1/4	12.14
42	10.458	60A42		1	9.84	60B42		1	2 3/4	4	1 1/4	12.74
43	10.697	60A43		1	9.74	60B43		1	2 3/4	4	1 1/4	13.35
44	10.937	60A44		1	10.76	60B44		1	2 3/4	4	1 1/4	13.88
45	11.176	60A45		1	11.08	60B45		1	2 3/4	4	1 1/4	13.98
46	11.414	60A46		1	11.50	60B46		1	2 3/4	4	1 1/4	14.60
47	11.654	60A47		1	12.32	60B47		1	2 3/4	4	1 1/4	15.00
48	11.893	60A48		1	12.42	60B48		1	2 3/4	4	1 1/4	15.82
49	12.132	60A49		1 1/4	12.92	60B49		1	2 3/4	4	1 1/4	16.70
50	12.371	60A50		1 1/4	13.98	60B50		1	2 3/4	4	1 1/4	17.66
51	12.610	60A51		1 1/4	14.58	60B51		1	2 3/4	4	1 1/4	18.60
52	12.849	60A52		1 1/4	14.60	60B52		1	2 3/4	4	1 1/4	19.66
53	13.088	60A53		1 1/4	15.84	60B53		1	2 3/4	4	1 1/4	20.66
54	13.327	60A54		1 1/4	15.92	60B54		1	2 3/4	4	1 3/4	21.60
55	13.566	60A55		1 1/4	16.96	60B55		1	2 3/4	4	1 3/4	21.75
56	13.805	60A56		1 1/4	17.60	60B56		1 1/4	2 3/4	4 1/4	1 3/4	21.88
57	14.044	60A57		1 1/4	17.62	60B57		1 1/4	2 3/4	4 1/4	1 3/4	22.88
58	14.283	60A58		1 1/4	19.00	60B58		1 1/4	2 3/4	4 1/4	1 3/4	23.80
59	14.522	60A59		1 1/4	19.20	60B59		1 1/4	2 3/4	4 1/4	1 3/4	24.65
60	14.761	60A60		1 1/4	20.02	60B60		1 1/4	2 3/4	4 1/4	1 3/4	25.22
64	15.717	60A64		1 1/4	23.00	60B64		1 1/4	2 3/4	4 1/4	1 3/4	27.40
65	15.956	60A65		1 1/4	23.24	60B65		1 1/4	2 3/4	4 1/4	1 3/4	28.92
66	16.195	60A66		1 1/4	24.42	60B66		1 1/4	2 3/4	4 1/4	1 3/4	29.65
68	16.673	60A68		1 1/4	25.54	60B68		1 1/4	2 3/4	4 1/4	1 3/4	30.38
72	17.628	60A72		1 1/4	28.90	60B72		1 1/4	2 3/4	4 1/4	2	34.18
76	18.584	60A76		1 1/4	32.34	60B76		1 1/4	2 3/4	4 1/4	2	38.06
80	19.539	60A80		1 1/4	45.50	60B80		1 1/4	2 3/4	4 1/4	2	41.88
84	20.495	60A84		1 1/4	40.18	60B84		1 1/4	2 3/4	4 1/4	2	46.46
90	21.927	60A90		1 1/4	43.44	60B90		1 1/4	3 1/4	4 3/4	2 1/4	63.20
96	23.360	60A96		1 1/4	52.02	60B96		1 1/4	3 5/16	5	2 1/4	63.08
112	27.181	60A112		1 1/4	70.80	60B112		1 1/4	3 3/4	5 1/2	2 1/4	81.78

\* Has recessed groove in hub for chain clearance. Maximum bores shown will accommodate standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.



**Type F - Bored to size**

No. Teeth	Outside Diameter	Catalog Number	List Price	Available Finished Bores (Includes Standard Kw. & 2-ss)	Wt. Lbs.
9	2.511	60B9F		3/4 - 7/8 - 1	.64
10	2.759	60B10F		3/4 - 7/8 - 1	.99
11	3.005	60B11F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4*	1.16
12	3.249	60B12F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4*	1.47
13	3.493	60B13F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8* - 1 7/16* - 1 1/2*	1.66
14	3.736	60B14F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2*	2.00
15	3.978	60B15F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4*	2.51
16	4.220	60B16F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16*	2.81
17	4.462	60B17F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16*	3.22
18	4.703	60B18F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	3.72
19	4.945	60B19F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	3.92
20	5.186	60B20F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	4.63
21	5.426	60B21F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	5.00
22	5.666	60B22F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	5.25
23	5.907	60B23F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	5.48
24	6.147	60B24F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	5.78
25	6.387	60B25F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	6.13
26	6.627	60B26F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	6.38
27	6.867	60B27F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	6.72
28	7.106	60B28F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	6.88
30	7.586	60B30F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	7.58
32	8.065	60B32F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	8.26
33	8.305	60B33F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	8.42
34	8.544	60B34F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	8.8
35	8.783	60B35F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	9.04
36	9.023	60B36F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16	9.60
38	9.501	60B38F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16	10.84
40	9.980	60B40F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16	11.50
42	10.937	60B42F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16	12.74
44	10.937	60B44F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16	13.88
45	11.176	60B45F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16	13.98
46	11.414	60B46F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16	14.60
48	11.893	60B48F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16	15.82
50	12.371	60B50F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16	17.66
52	12.849	60B52F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16	19.66
54	13.327	60B54F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16	21.60
56	13.805	60B56F		1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16	21.88
58	14.283	60B58F		1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16	23.80
60	14.761	60B60F		1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16	25.22
70	17.150	60B70F		1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16	31.98
72	17.628	60B72F		1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16	34.18
80	19.539	60B80F		1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16	41.88

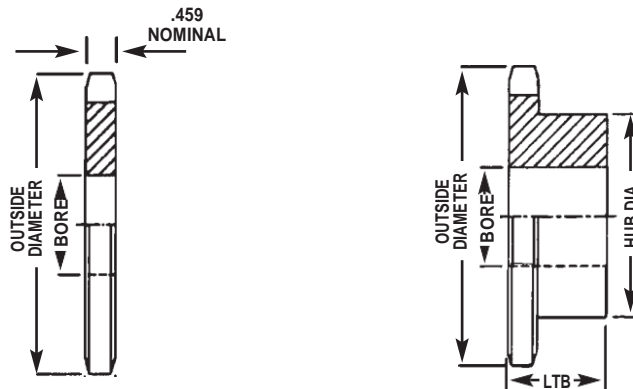
\* Setscrew at 90 and 180 degrees from keyway. Hub diameters vary to suit different bore sizes.

**HARDENED TEETH**

**3/4" Pitch**

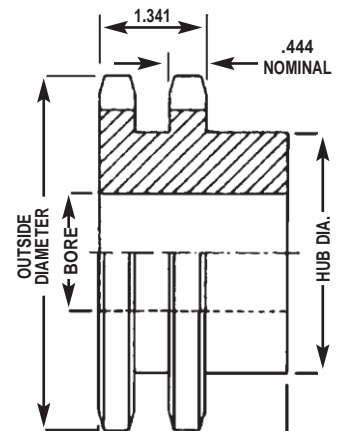
Type B - Plain Bore					Type F - Bored to size			
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Catalog Number	List Price	Available Finished Bores (Includes Standard Kw. & 2-ss)	Wt. Lbs.
9	2.511	H60B9		3/4	H60B9F		3/4 - 7/8 - 1	.64
10	2.759	H60B10		3/4	H60B10F		3/4 - 7/8 - 1	.88
11	3.005	H60B11		3/4	H60B11F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4*	1.10
12	3.249	H60B12		3/4	H60B12F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4*	1.60
13	3.493	H60B13		3/4	H60B13F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8* - 1 7/16* - 1 1/2*	1.60
14	3.736	H60B14		3/4	H60B14F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	1.90
15	3.978	H60B15		3/4	H60B15F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4*	2.30
16	4.220	H60B16		3/4	H60B16F		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16*	2.60
17	4.462	H60B17		3/4	H60B17F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16*	2.80
18	4.703	H60B18		3/4	H60B18F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	3.40
19	4.945	H60B19		3/4	H60B19F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	3.60
20	5.186	H60B20		3/4	H60B20F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	3.80

\* Setscrew at 90 and 180 degrees from keyway. Hub diameters vary to suit different bore sizes.



**60-2 Double Strand**

No. Teeth	Outside Diameter	Catalog Number	List Price	Hub Dia.	LTB	Stock Bore	Max. Bore	Wt. Lbs.
11	3.005	D60B11H		2 1/16*	2 1/8	3/4	1 3/16	1.80
12	3.249	D60B12H		2 3/8*	2 1/8	3/4	1 3/8	2.30
13	3.493	D60B13H		2 1/4	2 1/8	3/4	1 1/2	2.80
14	3.736	D60B14H		2 1/2	2 1/8	3/4	1 3/4	3.50
15	3.978	D60B15H		2 3/4	2 1/8	3/4	1 7/8	4.10
16	4.220	D60B16H		3	2 1/8	3/4	2	4.80
17	4.462	D60B17H		3 3/32	2 1/8	3/4	2 1/4	5.60
18	4.703	D60B18H		3 7/16	2 1/8	3/4	2 3/8	6.20
19	4.945	D60B19H		3 11/16	2 1/8	3/4	2 1/2	7.00
20	5.186	D60B20H		3 3/4	2 1/8	3/4	2 1/2	7.70
21	5.426	D60B21H		4 1/8	2 1/8	1	2 3/4	8.90
22	5.666	D60B22H		4 1/4	2 1/8	1	2 3/4	9.70
23	5.907	D60B23H		4 1/4	2 1/8	1	2 3/4	10.40
24	6.147	D60B24H		4 1/4	2 1/8	1	2 3/4	11.10
25	6.387	D60B25H		4 1/4	2 1/8	1	2 3/4	12.00
26	6.627	D60B26		4 1/4	2 1/8	1	2 3/4	13.00
30	7.586	D60B30		4 1/4	2 1/8	1	2 3/4	16.70
32	8.065	D60B32		4 1/2	2 3/8	1 1/4	3	19.90
35	8.783	D60B35		4 1/2	2 3/8	1 1/4	3	23.20
36	9.023	D60B36		4 1/2	2 3/8	1 1/4	3	27.90
40	9.980	D60B40		4 3/4	2 3/4	1 1/4	3 1/4	33.00
42	10.458	D60B42		4 3/4	2 3/4	1 1/4	3 1/4	35.80
45	11.176	D60B45		4 3/4	2 3/4	1 1/4	3 1/4	40.20
48	11.893	D60B48		4 3/4	2 3/4	1 1/4	3 1/4	44.90
52	12.849	D60B52		4 3/4	2 3/4	1 1/4	3 1/4	51.80
60	14.761	D60B60		4 3/4	2 3/4	1 1/4	3 1/4	67.00
68	16.673	D60B68		5	3	1 1/4	3 5/16	85.10
72	17.628	D60B72		5	3	1 1/4	3 5/16	94.70
76	18.584	D60B76		5	3	1 1/2	3 5/16	105.00
84	20.495	D60B84		5	3	1 1/2	3 5/16	166.00
96	23.360	D60B96		5 1/2	3 1/2	1 1/2	3 3/4	169.00



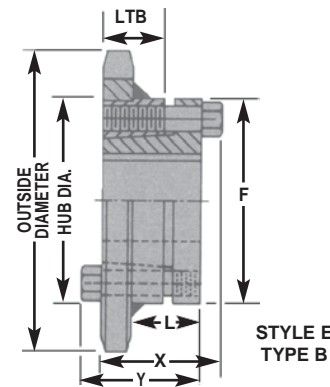
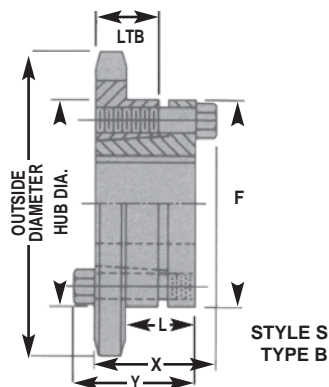
\*Has recessed groove in hub for chain clearance.

**60 Q-Bushed**

No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Hub Dia.	LTB	Wt. Lbs.
11	3.005	60JA11		JA	2 1/16	9/16	.40
12	3.249	60JA12		JA	2 1/16	9/16	.60
13	3.493	60JA13		JA	2 1/4	9/16	.70
14	3.736	60SH14		SH	2 11/16	13/16	.90
15	3.978	60SH15		SH	2 3/4	13/16	1.00
16	4.220	60SH16		SH	3	13/16	1.20
17	4.462	60SDS17		SDS	3 1/4	3/4	1.40
18	4.703	60SDS18		SDS	3 1/2	3/4	1.60
19	4.945	60SDS19		SDS	3 1/2	3/4	1.90
20	5.186	60SDS20		SDS	3 1/2	3/4	2.10
21	5.426	60SDS21		SDS	3 1/2	3/4	2.30
22	5.666	60SDS22		SDS	3 1/2	3/4	2.60
23	5.907	60SDS23		SDS	3 1/2	3/4	2.80
24	6.147	60SDS24		SDS	3 1/2	3/4	3.10
25	6.387	60SDS25		SDS	3 1/2	3/4	3.30
26	6.627	60SK26		SK	4 1/4	1 1/4	4.60
27	6.867	60SK27		SK	4 1/4	1 1/4	4.80
28	7.106	60SK28		SK	4 1/4	1 1/4	5.00
30	7.586	60SK30		SK	4 1/4	1 1/4	5.70
32	8.065	60SK32		SK	4 1/4	1 1/4	6.40
35	8.783	60SK35		SK	4 1/4	1 1/4	7.50
36	9.023	60SK36		SK	4 1/4	1 1/4	7.80
40	9.980	60SK40		SK	4 1/4	1 1/4	9.50
42	10.458	60SF42		SF	5	1 1/4	11.00
45	11.176	60SF45		SF	5	1 1/4	12.10
48	11.893	60SF48		SF	5	1 1/4	13.80
54	13.327	60SF54		SF	5	1 1/4	16.80
60	14.761	60SF60		SF	5	1 1/4	21.30
70	17.150	60SF70		SF	5	1 1/4	28.70
72	17.628	60SF72		SF	5	1 1/4	31.00
80	19.539	60SF80		SF	5	1 1/4	37.00
84	20.495	60SF84		SF	5	1 1/4	38.50
96	23.360	60SF96		SF	5	1 1/4	52.30

**Hardened Teeth**

Catalog Number	List Price
H60JA11	
H60JA12	
H60JA13	
H60SH14	
H60SH15	
H60SH16	
H60SDS17	
H60SDS18	
H60SDS19	
H60SDS20	
H60SDS21	
H60SDS22	
H60SDS23	
H60SDS24	
H60SDS25	
H60SK26	
H60SK27	
H60SK28	
H60SK30	
H60SK32	
H60SK36	
H60SK40	
H60SF45	
H60SF48	



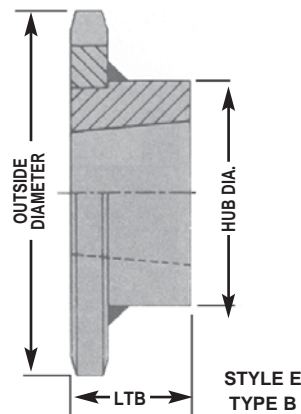
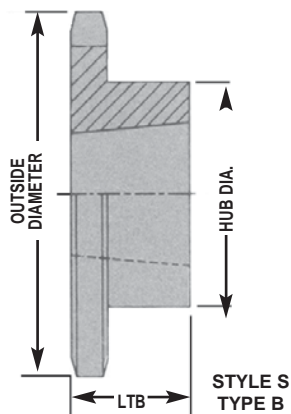
# NO. 60

## 3/4" Pitch

60 Taper-Bushed							
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Hub Dia.	LTB	Wt. Lbs.
11	3.005	60BTL11		1008	1 13/16*	7/8	.60
12	3.249	60BTL12		1008	1 15/16	7/8	.80
13	3.493	60BTL13		1210	2 15/32*	1	.80
14	3.736	60BTL14		1210	2 15/32	1	1.00
15	3.978	60BTL15		1610	2 25/32	1	1.00
16	4.220	60BTL16		1610	3	1	1.40
17	4.462	60BTL17		1610	3 1/4	1	1.80
18	4.703	60BTL18		1610	3 1/4	1	1.90
19	4.945	60BTL19		1610	3 1/4	1	2.20
20	5.186	60BTL20		2012	3 5/8	1 1/4	2.40
21	5.426	60BTL21		2012	3 5/8	1 1/4	2.50
22	5.666	60BTL22		2012	3 5/8	1 1/4	2.80
23	5.907	60BTL23		2012	3 5/8	1 1/4	3.10
24	6.147	60BTL24		2012	3 5/8	1 1/4	3.40
25	6.387	60BTL25		2012	3 5/8	1 1/4	3.70
26	6.627	60BTL26		2012	3 5/8	1 1/4	4.00
27	6.867	60BTL27		2012	3 5/8	1 1/4	4.20
28	7.106	60BTL28		2012	3 5/8	1 1/4	4.60
30	7.586	60BTL30		2012	3 5/8	1 1/4	5.20
32	8.065	60BTL32		2012	3 5/8	1 1/4	5.60
35	8.783	60BTL35		2012	3 5/8	1 1/4	6.40
36	9.023	60BTL36		2012	3 5/8	1 1/4	6.60
40	9.980	60BTL40		2012	3 5/8	1 1/4	8.30
42	10.458	60BTL42		2012	3 5/8	1 1/4	10.00
45	11.176	60BTL45		2012	3 5/8	1 1/4	11.50
48	11.893	60BTL48		2012	3 5/8	1 1/4	13.20
54	13.327	60BTL54		2517	4 1/4	1 3/4	17.10
60	14.761	60BTL60		2517	4 1/4	1 3/4	21.00
70	17.150	60BTL70		2517	4 1/4	1 3/4	27.60
72	17.628	60BTL72		2517	4 1/4	1 3/4	30.00
80	19.539	60BTL80		2517	4 1/4	1 3/4	36.30
84	20.495	60BTL84		2517	4 1/4	1 3/4	40.60

Hardened Teeth	
Catalog Number	List Price
H60BTL11	
H60BTL12	
H60BTL13	
H60BTL14	
H60BTL15	
H60BTL16	
H60BTL17	
H60BTL18	
H60BTL19	
H60BTL20	
H60BTL21	
H60BTL22	
H60BTL23	
H60BTL24	
H60BTL25	
H60BTL26	
H60BTL27	
H60BTL28	
H60BTL30	
H60BTL32	
H60BTL40	

\* Has recessed groove in hub for chain clearance.



# NO. 80

## 1" Pitch

Type A - Plain Bore						Type B & C - Plain Bore						
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Wt. Lbs.	Catalog Number	List Price	Stock Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
8	3.014	80A8				80B8		1	1	1 15/16*	1 5/8	1.40
9	3.348	80A9		15/16	.80	80B9		1	1 5/16	2 1/4*	1 5/8	1.60
10	3.678	80A10		15/16	1.00	80B10		1	1 1/2	2 9/16*	1 5/8	2.20
11	4.006	80A11		15/16	1.30	80B11		1	1 5/8	2 13/16*	1 5/8	3.20
12	4.332	80A12		15/16	1.50	80B12		1	1 7/8	3 1/8*	1 5/8	3.40
13	4.657	80A13		15/16	1.80	80B13		1	1 7/8	3	1 1/2	3.50
14	4.981	80A14		15/16	2.20	80B14		1	2 1/4	3 1/4	1 1/2	4.10
15	5.304	80A15		15/16	2.50	80B15		1	2 1/2	3 13/16	1 1/2	5.30
16	5.627	80A16		15/16	2.90	80B16		1	2 3/4	4	1 1/2	5.90
17	5.949	80A17		15/16	3.30	80B17		1	2 3/4	4	1 1/2	6.60
18	6.271	80A18		15/16	3.70	80B18		1	2 3/4	4 1/4	1 1/2	7.30
19	6.593	80A19		15/16	4.10	80B19		1	2 3/4	4 1/4	1 1/2	7.80
20	6.914	80A20		15/16	4.70	80B20		1	2 3/4	4 1/4	1 1/2	8.40
21	7.235	80A21		15/16	4.90	80B21		1	2 3/4	4 1/4	1 3/4	9.40
22	7.555	80A22		15/16	5.50	80B22		1	2 3/4	4 1/4	1 3/4	10.00
23	7.876	80A23		15/16	6.30	80B23		1	2 3/4	4 1/4	1 3/4	10.70
24	8.196	80A24		15/16	6.70	80B24		1	2 3/4	4 1/4	1 3/4	11.30
25	8.516	80A25		15/16	7.20	80B25		1	2 3/4	4 1/4	1 3/4	11.90
26	8.836	80A26		1 1/4	7.80	80B26		1 1/4	3 1/4	4 3/4	2	14.30
27	9.156	80A27		1 1/4	8.60	80B27		1 1/4	3 1/4	4 3/4	2	15.40
28	9.475	80A28		1 1/4	9.30	80B28		1 1/4	3 1/4	4 3/4	2	16.00
29	9.795	80A29		1 1/4	9.80	80B29		1 1/4	3 1/4	4 3/4	2	17.10
30	10.114	80A30		1 1/4	10.70	80B30		1 1/4	3 1/4	4 3/4	2	17.40
31	10.434	80A31		1 1/4	11.30	80B31		1 1/4	3 1/4	4 3/4	2	18.70
32	10.753	80A32		1 1/4	12.10	80B32		1 1/4	3 1/4	4 3/4	2	19.50
33	11.073	80A33		1 1/4	13.60	80B33		1 1/4	3 1/4	4 3/4	2	19.60
34	11.392	80A34		1 1/4	14.30	80B34		1 1/4	3 1/4	4 3/4	2	21.30
35	11.711	80A35		1 1/4	14.80	80B35		1 1/4	3 1/4	4 3/4	2	22.10
36	12.030	80A36		1 1/4	16.10	80B36		1 1/4	3 1/4	4 3/4	2	23.10
37	12.349	80A37		1 1/4	16.80	80B37		1 1/4	3 1/4	4 3/4	2	24.00
38	12.668	80A38		1 1/4	17.20	80B38		1 1/4	3 1/4	4 3/4	2	24.70
39	12.987	80A39		1 1/4	17.90	80B39		1 1/4	3 1/4	4 3/4	2	25.60
40	13.306	80A40		1 1/4	18.90	80B40		1 1/4	3 1/4	4 3/4	2	26.70
41	13.625	80A41		1 1/4	21.00	80B41		1 1/4	3 1/4	4 3/4	2	27.80
42	13.944	80A42		1 1/4	21.80	80B42		1 1/4	3 1/4	4 3/4	2	28.70
43	14.263	80A43		1 1/4	23.60	80B43		1 1/4	3 1/4	4 3/4	2	29.50
44	14.582	80A44		1 1/4	24.30	80B44		1 1/4	3 1/4	4 3/4	2	29.90
45	14.901	80A45		1 1/4	25.20	80B45		1 1/4	3 1/4	4 3/4	2	31.40
46	15.219	80A46		1 1/4	26.60	80B46		1 1/4	3 1/4	4 3/4	2	33.10
47	15.538	80A47		1 1/4	27.30	80B47		1 1/4	3 1/4	4 3/4	2	34.00
48	15.857	80A48		1 1/4	27.80	80B48		1 1/4	3 1/4	4 3/4	2	35.50
49	16.176	80A49		1 1/4	28.90	80B49		1 1/4	3 1/4	4 3/4	2	35.80
50	16.495	80A50		1 1/4	30.90	80B50		1 1/4	3 1/4	4 3/4	2	37.30
51	16.813	80A51		1 1/4	32.20	80B51		1 1/4	3 1/4	4 3/4	2	38.90
52	17.132	80A52		1 1/4	33.00	80B52		1 1/4	3 1/4	4 3/4	2	41.60
53	17.451	80A53		1 1/4	34.90	80B53		1 1/4	3 1/4	4 3/4	2	42.90
54	17.769	80A54		1 1/4	36.60	80B54		1 1/4	3 1/2	5 1/4	2	44.70
55	18.088	80A55		1 1/4	37.50	80B55		1 1/4	3 1/2	5 1/4	2	46.90
56	18.407	80A56		1 1/4	39.40	80B56		1 1/4	3 1/2	5 1/4	2	49.00
57	18.725	80A57		1 1/4	43.40	80B57		1 1/4	3 1/2	5 1/4	2	51.60
58	19.044	80A58		1 1/4	41.30	80B58		1 1/4	3 1/2	5 1/4	2	53.00
59	19.363	80A59		1 1/4	42.90	80B59		1 1/4	3 1/2	5 1/4	2	54.00
60	19.681	80A60		1 1/4	45.30	80B60		1 1/4	3 1/2	5 1/4	2	54.50
65	21.274	80A65		1 1/4	52.20	80B65		1 1/4	3 1/2	5 1/4	2	61.80
70	22.867	80A70		1 1/2	59.80	80C70		1 1/2	4 1/4	6 1/4	3 1/2	75.70
72	23.504	80A72		1 1/2	65.70	80C72		1 1/2	4 1/4	6 1/4	3 1/2	81.40
76	24.778	80A76		1 1/2	70.20	80C76		1 1/2	4 1/4	6 1/4	3 1/2	87.80
80	26.052	80A80		1 1/2	79.60	80C80		1 1/2	4 1/4	6 1/4	3 1/2	89.90
84	27.326	80A84		1 1/2	86.10	80C84		1 1/2	4 1/4	6 1/4	3 1/2	99.90
90	29.236	80A90		1 1/2	115.00	80C90		1 1/2	4 1/4	6 1/4	3 1/2	106.00
96	31.147	80A96		1 1/2	120.00	80C96		1 1/2	4 1/4	6 1/4	3 1/2	117.00
112	36.241	80A112		1 1/2	165.00	80C112		1 1/2	4 1/4	6 1/4	3 1/2	154.00

\* Has recessed groove in hub for chain clearance. Maximum bores shown will accommodate standard keyway and setscrew over keyway. Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.

**Type F - Bored to size**

No. Teeth	Outside Diameter	Catalog Number	List Price	Available Finished Bores (Includes Standard Kw. & 2-ss)	Wt. Lbs.
9	3.348	80B9F		1 - 1 1/8 - 1 3/16 - 1 1/4	1.60
10	3.678	80B10F		1 - 1 1/8 - 1 3/16 - 1 1/4	2.20
11	4.006	80B11F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16* - 1 1/2* - 1 5/8*	3.20
12	4.332	80B12F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4*	3.40
13	4.657	80B13F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 7/8 - 1 15/16	3.50
14	4.981	80B14F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 7/8 - 1 15/16	4.10
15	5.304	80B15F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 7/8 - 1 15/16	5.30
16	5.627	80B16F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16	5.90
17	5.949	80B17F		1 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16	6.60
18	6.271	80B18F		1 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16	7.30
19	6.593	80B19F		1 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16	7.80
20	6.914	80B20F		1 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16	8.40
21	7.235	80B21F		1 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16	9.40
22	7.555	80B22F		1 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16	10.00
23	7.876	80B23F		1 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16	10.70
24	8.196	80B24F		1 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16	11.30
25	8.516	80B25F		1 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16	11.90
26	8.836	80B26F		1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16 - 2 15/16	14.30
27	9.156	80B27F		1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16 - 2 15/16	15.40
28	9.475	80B28F		1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16 - 2 15/16	16.00
30	10.114	80B30F		1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16 - 2 15/16	17.40
32	10.753	80B32F		1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16 - 2 15/16	19.50
35	11.711	80B35F		1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16 - 2 15/16	22.10
36	12.030	80B36F		1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16 - 2 15/16	23.10
40	13.306	80B40F		1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16 - 2 15/16	26.70
42	13.944	80B42F		1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16 - 2 15/16	27.60
45	14.901	80B45F		1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16 - 2 15/16	31.40
48	15.857	80B48F		1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16 - 2 15/16	35.50
50	16.495	80B50F		1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16 - 2 15/16	37.30
54	17.769	80B54F		1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16 - 2 15/16	44.70
60	19.681	80B60F		1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16 - 2 7/16 - 2 15/16	54.50

\* Setscrew at 90 and 180 degrees from keyway. Hub diameters vary to suit different bore sizes.



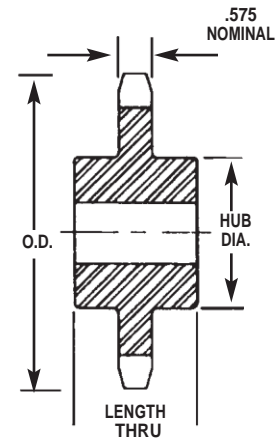
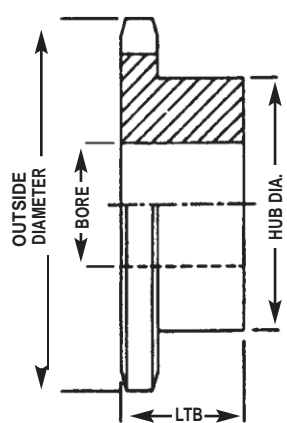
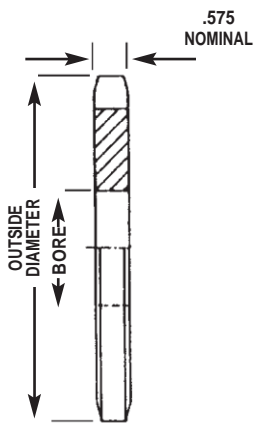
# NO. 80

## HARDENED TEETH

1" Pitch

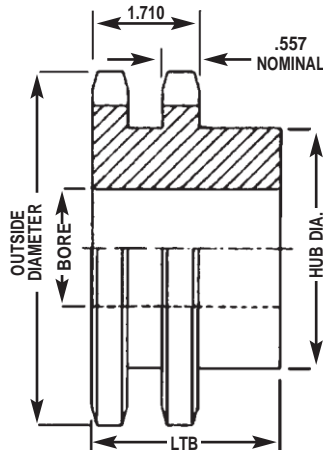
Type B - Plain Bore					Type F - Bored to size			
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Catalog Number	List Price	Available Finished Bores (Includes Standard Kw. & 2-ss)	Wt. Lbs.
9	3.348	H80B9		1	H80B9F		1 - 1 1/8 - 1 3/16 - 1 1/4	1.70
10	3.678	H80B10		1	H80B10F		1 - 1 1/8 - 1 3/16 - 1 1/4	1.90
11	4.006	H80B11		1	H80B11F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8	2.50
12	4.332	H80B12		1	H80B12F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4	2.90
13	4.657	H80B13		1	H80B13F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 7/8 - 1 15/16	3.90
14	4.981	H80B14		1	H80B14F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 7/8 - 1 15/16	4.30
15	5.304	H80B15		1	H80B15F		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 7/8 - 1 15/16	5.20
16	5.627	H80B16		1	H80B16F		1 - 1 1/4 - 1 3/8 - 1 7/16 - 1-1/2 - 1 5/8 - 1 15/16	5.30
17	5.949	H80B17		1	H80B17F		1 - 1 1/4 - 1 3/8 - 1 7/16 - 1-1/2 - 1 5/8 - 1 15/16	5.50
18	6.271	H80B18		1	H80B18F		1 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16	5.90
19	6.593	H80B19		1	H80B19F		1 - 1 1/4 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16	6.10
20	6.914	H80B20		1	H80B20F		1 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2 - 1 5/8 - 1 3/4 - 1 15/16 - 2 - 2 3/16	8.10

Hub diameters vary to suit different bore sizes.



80-2 Double Strand								
No. Teeth	Outside Diameter	Catalog Number	List Price	Hub Dia.	LTB	Stock Bore	Max. Bore	Wt. Lbs.
10	3.678	D80B10H		2 9/16*	2 3/4	1	1 3/8	3.50
11	4.006	D80B11H		2 3/8*	2 1/2	1	1 9/16	3.90
12	4.332	D80B12H		2 27/32*	2 1/2	1	1 13/16	4.90
13	4.657	D80B13H		3 3/32	2 1/2	1	2	6.10
14	4.981	D80B14H		3 5/16	2 1/2	1	2 1/4	7.30
15	5.304	D80B15H		3 5/8	2 1/2	1	2 1/2	8.70
16	5.627	D80B16H		4	2 3/4	1	2 3/4	11.10
17	5.949	D80B17H		4 5/16	2 3/4	1	2 7/8	12.80
18	6.271	D80B18H		4 5/8	2 3/4	1	3 1/8	14.60
19	6.593	D80B19H		4 15/16	2 3/4	1	3 5/16	16.60
20	6.914	D80B20H		5	2 3/4	1	3 5/16	18.20
21	7.235	D80B21H		5	2 3/4	1	3 5/16	19.60
22	7.555	D80B22H		5	2 3/4	1	3 5/16	21.00
23	7.876	D80B23H		5	2 3/4	1	3 5/16	22.80
24	8.196	D80B24H		5	2 3/4	1	3 5/16	24.70
25	8.516	D80B25H		5	2 3/4	1	3 5/16	28.30
30	10.114	D80B30		5 1/2	3	1	3 3/4	39.50
36	12.030	D80B36		5 1/2	3 1/8	1 1/4	3 3/4	55.10
45	14.901	D80B45		5 1/2	3 1/8	1 1/4	3 3/4	85.80
48	15.857	D80B48		5 1/2	3 3/4	1 1/4	3 3/4	68.30
60	19.681	D80B60		5 1/2	3 3/4	1 1/2	3 3/4	91.20
80	26.052	D80B80		6	4	1 1/2	4	142.80

\*Has recessed groove in hub for chain clearance.



# NO. 80

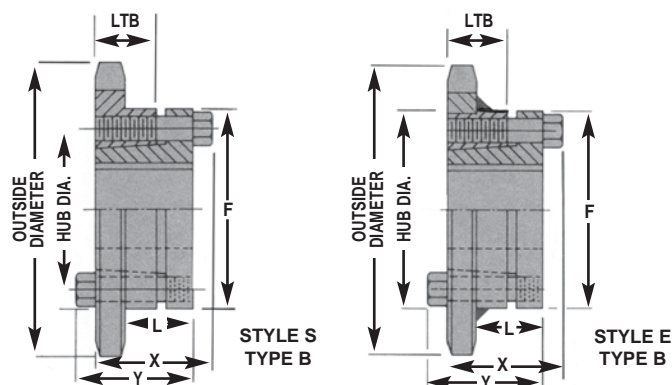
## 1" Pitch

### 80 Q-Bushed

No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Hub Dia.	LTB	Wt. Lbs.
11	4.006	80SH11		SH	2 11/16	13/16	1.10
12	4.332	80SH12		SH	2 3/4	13/16	1.30
13	4.657	80SDS13		SDS	3 3/16	3/4	1.50
14	4.981	80SDS14		SDS	3 3/8	3/4	1.80
15	5.304	80SK15		SK	3 7/8	1 1/4	2.50
16	5.627	80SK16		SK	4 1/8	1 1/4	3.20
17	5.949	80SK17		SK	4 3/8	1 1/4	3.90
18	6.271	80SK18		SK	4 3/8	1 1/4	4.40
19	6.593	80SK19		SK	4 3/8	1 1/4	4.70
20	6.914	80SF20		SF	5	1 1/4	5.60
21	7.235	80SF21		SF	5	1 1/4	6.10
22	7.555	80SF22		SF	5	1 1/4	6.60
23	7.876	80SF23		SF	5	1 1/4	7.30
24	8.196	80SF24		SF	5	1 1/4	7.80
25	8.516	80SF25		SF	5	1 1/4	8.40
26	8.836	80SF26		SF	5	1 1/4	8.80
27	9.156	80SF27		SF	5	1 1/4	9.90
28	9.475	80SF28		SF	5	1 1/4	10.30
30	10.114	80SF30		SF	5	1 1/4	11.60
32	10.753	80SF32		SF	5	1 1/4	13.30
33	11.073	80SF33		SF	5	1 1/4	13.50
34	11.392	80SF34		SF	5	1 1/4	15.00
35	11.711	80SF35		SF	5	1 1/4	15.70
36	12.030	80SF36		SF	5	1 1/4	16.70
40	13.306	80SF40		SF	5	1 1/4	20.70
42	13.944	80SF42		SF	5	1 1/4	22.60
45	14.901	80SF45		SF	5	1 1/4	25.00
48	15.857	80SF48		SF	5	1 1/4	29.30
54	17.769	80SF54		SF	5	1 1/4	36.60
60	19.681	80SF60		SF	5	1 1/4	45.70
70	22.867	80E70		E	6 1/4	1 5/8	61.90
72	23.504	80E72		E	6 1/4	1 5/8	63.00

### Hardened Teeth

Catalog Number	List Price
H80SH11	
H80SH12	
H80SDS13	
H80SDS14	
H80SK15	
H80SK16	
H80SK17	
H80SK18	
H80SK19	
H80SF20	
H80SF21	
H80SF22	
H80SF23	
H80SF24	
H80SF25	
H80SF26	
H80SF27	
H80SF28	
H80SF30	

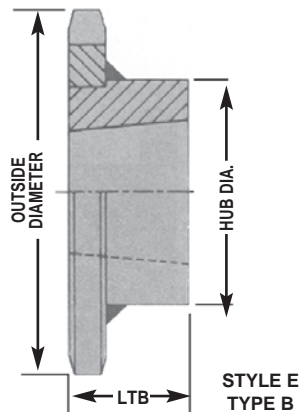
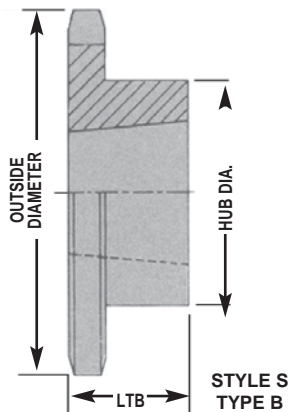


**80 Taper-Bushed**

**Hardened Teeth**

No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Hub Dia.	LTB	Wt. Lbs.
10	3.678	80BTL10		1215	2 3/8	1 1/2	1.10
11	4.006	80BTL11		1215	2 15/16	1 1/2	1.50
12	4.332	80BTL12		1615	3	1 1/2	1.80
13	4.657	80BTL13		1615	3	1 1/2	2.30
14	4.981	80BTL14		1615	3 1/4	1 1/2	2.50
15	5.304	80BTL15		1615	3 1/4	1 1/2	2.70
16	5.627	80BTL16		2012	3 5/8	1 1/4	2.80
17	5.949	80BTL17		2012	3 5/8	1 1/4	3.10
18	6.271	80BTL18		2012	3 5/8	1 1/4	3.60
19	6.593	80BTL19		2012	3 5/8	1 1/4	4.10
20	6.914	80BTL20		2517	4 1/4	1 3/4	5.50
21	7.235	80BTL21		2517	4 1/4	1 3/4	6.00
22	7.555	80BTL22		2517	4 1/4	1 3/4	6.50
23	7.876	80BTL23		2517	4 1/4	1 3/4	7.00
24	8.196	80BTL24		2517	4 1/4	1 3/4	7.50
25	8.516	80BTL25		2517	4 1/4	1 3/4	8.10
26	8.836	80BTL26		2517	4 1/4	1 3/4	8.80
27	9.156	80BTL27		2517	4 1/4	1 3/4	9.00
28	9.475	80BTL28		2517	4 1/4	1 3/4	9.50
30	10.114	80BTL30		2517	4 1/4	1 3/4	11.50
32	10.753	80BTL32		2517	4 1/4	1 3/4	12.00
35	11.711	80BTL35		2517	4 1/4	1 3/4	15.20
36	12.030	80BTL36		2517	4 1/4	1 3/4	17.00
40	13.306	80BTL40		2517	4 1/4	1 3/4	21.00
45	14.901	80BTL45		2517	4 1/4	1 3/4	26.50
48	15.857	80BTL48		2517	4 1/4	1 3/4	29.50
54	17.769	80BTL54		2517	4 1/4	1 3/4	38.50
60	19.681	80BTL60		2517	4 1/4	1 3/4	45.20
70	22.867	80BTL70		3020	5 1/4	2	52.30

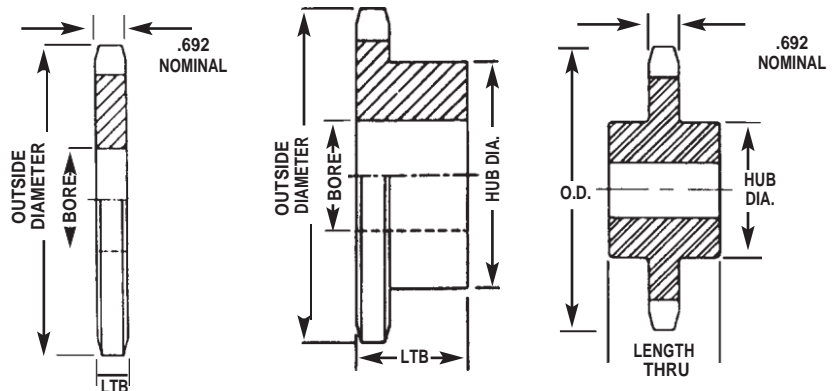
Catalog Number	List Price
H80BTL10	
H80BTL11	
H80BTL12	
H80BTL13	
H80BTL14	
H80BTL15	
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H80BTL20	
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H80BTL23	
H80BTL24	
H80BTL25	
H80BTL26	
H80BTL27	
H80BTL28	
H80BTL30	
H80BTL32	



Type A - Plain Bore						Type B & C - Plain Bore						
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Wt. Lbs.	Catalog Number	List Price	Stock Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
8	3.768	100A8		1	1.20	100B8		1	1 1/4	2 7/16*	1 7/8	2.20
9	4.185	100A9		1	1.60	100B9		1	1 5/8	2 13/16*	1 7/8	3.00
10	4.598	100A10		1	1.90	100B10		1	1 7/8	3 1/4*	1 7/8	4.10
11	5.008	100A11		1	2.60	100B11		1	2 1/4	3 9/16*	1 7/8	5.10
12	5.415	100A12		1	2.90	100B12		1	2 1/4	4*	1 7/8	6.40
13	5.821	100A13		1	3.50	100B13		1	2 3/8	3 7/8	1 5/8	6.40
14	6.226	100A14		1 1/4	4.00	100B14		1 1/4	2 3/4	4 3/16	1 5/8	7.50
15	6.630	100A15		1 1/4	4.70	100B15		1 1/4	3	4 1/2	1 3/4	9.00
16	7.034	100A16		1 1/4	5.30	100B16		1 1/4	3	4 1/2	1 3/4	9.80
17	7.436	100A17		1 1/4	6.10	100B17		1 1/4	3	4 1/2	1 3/4	10.50
18	7.839	100A18		1 1/4	7.20	100B18		1 1/4	3	4 1/2	1 3/4	11.40
19	8.241	100A19		1 1/4	7.80	100B19		1 1/4	3	4 1/2	2	13.40
20	8.643	100A20		1 1/4	8.60	100B20		1 1/4	3	4 1/2	2	14.20
21	9.044	100A21		1 1/4	9.40	100B21		1 1/4	3	4 1/2	2	15.10
22	9.444	100A22		1 1/4	10.40	100B22		1 1/4	3	4 1/2	2	15.90
23	9.845	100A23		1 1/4	11.70	100B23		1 1/4	3	4 1/2	2	17.30
24	10.245	100A24		1 1/4	12.50	100B24		1 1/4	3	4 1/2	2	18.00
25	10.645	100A25		1 1/4	13.40	100B25		1 1/4	3	4 1/2	2	18.90
26	11.045	100A26		1 1/4	14.70	100B26		1 3/8	3 5/16	5	2	21.50
27	11.445	100A27		1 1/4	15.80	100B27		1 3/8	3 5/16	5	2	23.00
28	11.844	100A28		1 1/4	17.20	100B28		1 3/8	3 5/16	5	2	24.40
30	12.643	100A30		1 1/4	20.30	100B30		1 3/8	3 5/16	5	2	26.30
32	13.441	100A32		1 1/4	22.60	100B32		1 3/8	3 5/16	5	2	29.80
35	14.639	100A35		1 1/4	27.40	100B35		1 3/8	3 5/16	5	2 1/2	37.50
36	15.038	100A36		1 1/2	28.30	100B36		1 3/8	3 5/16	5	2 1/2	38.70
40	16.633	100A40		1 1/2	36.20	100B40		1 3/8	3 5/16	5	2 1/2	45.10
42	17.430	100A42		1 1/2	40.00	100B42		1 3/8	3 5/16	5	2 1/2	47.80
45	18.626	100A45		1 1/2	45.50	100B45		1 3/8	3 5/16	5	2 1/2	56.20
48	19.821	100A48		1 1/2	52.00	100B48		1 3/8	4 1/8	6	2 3/4	67.00
54	22.211	100A54		1 1/2	67.00	100C54		1 3/8	4 1/8	6	3 1/4	90.00
60	24.601	100A60		1 1/2	81.00	100C60		1 3/8	4 1/8	6	3 1/4	107.00
70	28.584	100A70		1 1/2	108.00	100C70		1 3/8	5 1/4	7	3 3/4	138.00
72	29.380	100A72		1 1/2	120.00	100C72		1 3/8	5 1/4	7	3 3/4	151.00
80	32.565	100A80		1 1/2	149.00	100C80		1 3/8	5 1/4	7	3 3/4	180.00
84	34.158	100A84		1 1/2	165.00	100C84		1 3/8	5 1/4	7	3 3/4	195.00
90	36.545	100A90		1 1/2	191.00	100C90		1 3/8	5 1/4	7	3 3/4	225.00
96	38.934	100A96		1 1/2	212.00	100C96		1 3/8	5 1/4	7	4 1/2	260.00

\*Has recessed groove in hub for chain clearance.  
Maximum bores shown will accommodate standard keyway and setscrew over keyway.

Slightly larger bores are possible with no keyway, shallow keyway or setscrew at angle to keyway.

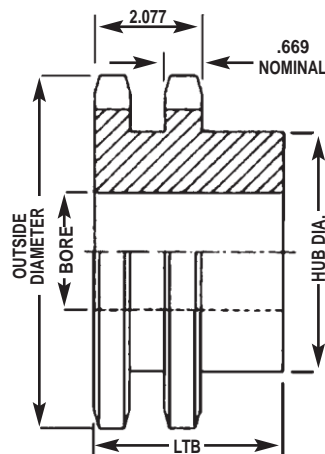


# NO. 100

1-1/4" Pitch

100-2 Double Strand								
No. Teeth	Outside Diameter	Catalog Number	List Price	Hub Dia.	LTB	Stock Bore	Max. Bore	Wt. Lbs.
9	4.185	D100B9		2 13/16*	2 7/8	1	1 1/2	4.40
10	4.598	D100B10		3 1/4*	2 7/8	1	1 3/4	6.00
11	5.008	D100B11		3 9/16*	2 7/8	1	2 1/8	7.80
12	5.415	D100B12		4*	2 7/8	1	2 1/4	9.30
13	5.821	D100B13		3 7/8	2 7/8	1	2 1/2	11.30
14	6.226	D100B14		4 3/16	2 7/8	1	2 3/4	13.60
15	6.630	D100B15		4 9/16	3 1/8	1 1/4	3 1/8	17.00
16	7.034	D100B16		5	3 1/8	1 1/4	3 5/16	20.00
17	7.436	D100B17		5 1/4	3 1/8	1 1/4	3 1/2	22.70
18	7.839	D100B18		5 1/4	3 1/8	1 1/4	3 1/2	25.00
19	8.241	D100B19		5 1/2	3 1/8	1 1/4	3 3/4	28.80
20	8.643	D100B20		5 1/2	3 1/8	1 1/4	3 3/4	30.60
21	9.044	D100B21		5 1/2	3 3/8	1 1/4	3 3/4	32.40
25	10.645	D100B25		5 1/2	3 3/8	1 1/4	3 3/4	41.00
30	12.643	D100B30		5 1/2	3 3/8	1 1/2	3 3/4	53.50
36	15.038	D100C36		6	4 1/2	1 1/2	4	77.60
45	18.626	D100C45		6	4 1/2	1 1/2	4	112.00

\*Has recessed groove in hub for chain clearance.

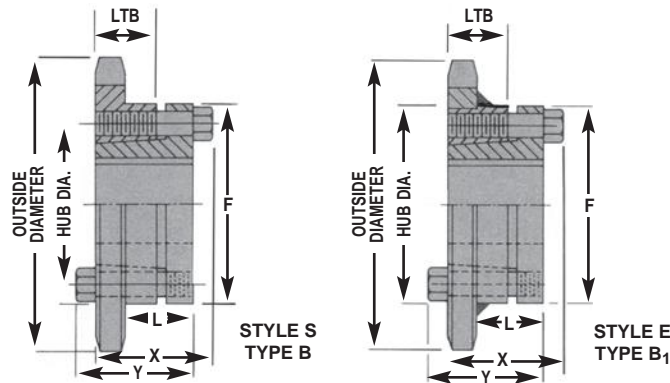


**100 Q-Bushed**

No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Hub Dia.	LTB	Wt. Lbs.
11	5.008	100SDS11		SDS	3 3/16	3/4	1.90
12	5.415	100SDS12		SDS	3 1/2	3/4	2.40
13	5.821	100SK13		SK	3 15/16	1 1/4	3.30
14	6.226	100SK14		SK	4 1/4	1 1/4	4.20
15	6.630	100SF15		SF	4 5/8	1 1/4	4.80
16	7.034	100SF16		SF	5	1 1/4	5.90
17	7.436	100SF17		SF	5	1 1/4	6.60
18	7.839	100E18		E	5 15/16	1 5/8	8.90
19	8.241	100E19		E	6 1/4	1 5/8	9.90
20	8.643	100E20		E	6 1/4	1 5/8	11.40
21	9.044	100E21		E	6 1/4	1 5/8	12.50
22	9.444	100E22		E	6 1/4	1 5/8	13.30
23	9.845	100E23		E	6 1/4	1 5/8	15.20
24	10.245	100E24		E	6 1/4	1 5/8	16.10
25	10.645	100E25		E	6 1/4	1 5/8	17.00
26	11.045	100E26		E	6 1/4	1 5/8	17.50
27	11.445	100E27		E	6 1/4	1 5/8	19.60
28	11.844	100E28		E	6 1/4	1 5/8	19.90
30	12.643	100E30		E	6 1/4	1 5/8	24.10
32	13.441	100E32		E	6 1/4	1 5/8	26.00
35	14.639	100E35		E	6 1/4	1 5/8	29.40
36	15.038	100E36		E	6 1/4	1 5/8	31.70
40	16.633	100E40		E	6 1/4	1 5/8	38.20
42	17.430	100E42		E	6 1/4	1 5/8	41.80
45	18.626	100E45		E	6 1/4	1 5/8	48.40
48	19.821	100E48		E	6 1/4	1 5/8	56.00
54	22.211	100E54		E	6 1/4	1 5/8	69.00
60	24.601	100E60		E	6 1/4	1 5/8	86.00

**Hardened Teeth**

Catalog Number	List Price
H100SDS11	
H100SDS12	
H100SK13	
H100SK14	
H100SF15	
H100SF16	
H100SF17	
H100E18	
H100E19	
H100E20	
H100E21	
H100E22	
H100E23	
H100E24	
H100E25	
H100E26	
H100E27	
H100E28	
H100E30	
H100E36	





# NO. 100

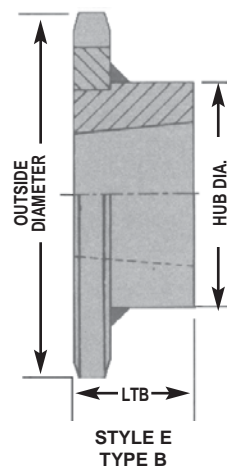
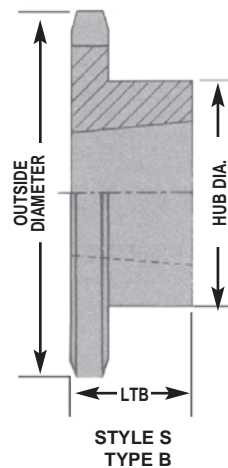
1-1/4" Pitch

## 100 Taper-Bushed

No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Hub Dia.	LTB	Wt. Lbs.
11	5.008	100BTL11		1615	3	1 1/2	2.70
12	5.415	100BTL12		1615	3 1/4	1 1/2	3.50
13	5.821	100BTL13		2012	3 9/16	1 1/4	3.60
14	6.226	100BTL14		2012	3 9/16	1 1/4	3.90
15	6.630	100BTL15		2517	4 1/4	1 3/4	5.00
16	7.034	100BTL16		2517	4 1/4	1 3/4	6.40
17	7.436	100BTL17		2517	4 1/4	1 3/4	7.10
18	7.839	100BTL18		2517	4 1/4	1 3/4	7.80
19	8.241	100BTL19		2517	4 1/4	1 3/4	8.70
20	8.643	100BTL20		2517	4 1/4	1 3/4	9.60
21	9.044	100BTL21		2517	4 1/4	1 3/4	10.60
22	9.444	100BTL22		2517	4 1/4	1 3/4	11.00
24	10.245	100BTL24		2517	4 1/4	1 3/4	13.00
26	11.045	100BTL26		2517	4 1/4	1 3/4	15.00
28	11.844	100BTL28		3020	5 1/4	2	16.50
30	12.643	100BTL30		3020	5 1/4	2	22.00
32	13.441	100BTL32		3020	5 1/4	2	23.00
35	14.639	100BTL35		3020	5 1/4	2	28.00
36	15.038	100BTL36		3020	5 1/4	2	31.00
40	16.633	100BTL40		3020	5 1/4	2	37.00
45	18.626	100BTL45		3020	5 1/4	2	46.00
48	19.821	100BTL48		3020	5 1/4	2	53.00
54	22.211	100BTL54		3020	5 1/4	2	62.00
60	24.601	100BTL60		3020	5 1/4	2	72.00

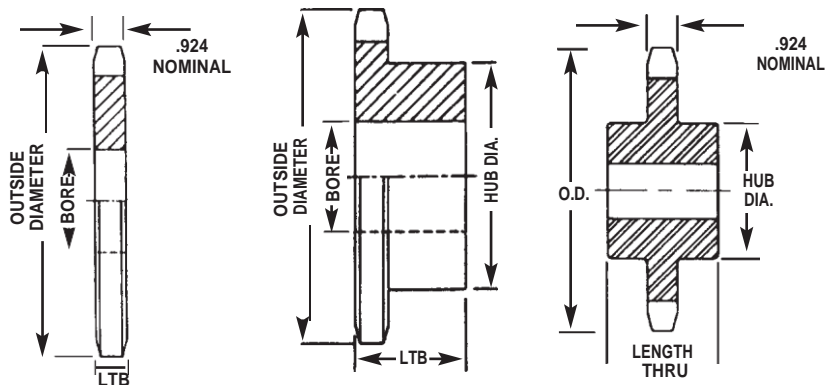
## Hardened Teeth

Catalog Number	List Price
H100BTL11	
H100BTL12	
H100BTL13	
H100BTL14	
H100BTL15	
H100BTL16	
H100BTL17	
H100BTL18	
H100BTL19	
H100BTL20	
H100BTL21	
H100BTL22	
H100BTL24	
H100BTL26	
H100BTL28	
H100BTL30	



Type A - Plain Bore						Type B & C - Plain Bore						
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Wt. Lbs.	Catalog Number	List Price	Stock Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
9	5.022	120A9		1 1/4	3.00	120B9		1 1/4	2 3/16	3 3/8*	2 1/4	5.20
10	5.517	120A10		1 1/4	3.80	120B10		1 1/4	2 1/4	3 7/8*	2 1/4	7.00
11	6.009	120A11		1 1/4	4.90	120B11		1 1/4	2 3/8	3 9/16	2 1/8	7.70
12	6.498	120A12		1 1/4	5.80	120B12		1 1/4	2 3/4	4 1/8	2 1/8	9.80
13	6.986	120A13		1 1/4	6.70	120B13		1 1/4	3	4 9/16	2 1/4	12.60
14	7.472	120A14		1 1/4	8.10	120B14		1 1/4	3 1/4	4 3/4	2 1/4	14.30
15	7.956	120A15		1 1/4	9.40	120B15		1 1/4	3 1/4	4 3/4	2 1/4	15.60
16	8.441	120A16		1 3/8	10.50	120B16		1 3/8	3 1/2	5 1/4	2 3/8	18.90
17	8.924	120A17		1 3/8	11.70	120B17		1 3/8	3 1/2	5 1/4	2 3/8	20.30
18	9.407	120A18		1 3/8	13.70	120B18		1 3/8	3 1/2	5 1/4	2 3/8	21.70
19	9.890	120A19		1 3/8	15.30	120B19		1 3/8	3 1/2	5 1/4	2 3/8	23.70
20	10.371	120A20		1 3/8	16.80	120B20		1 3/8	3 1/2	5 1/4	2 3/8	25.30
21	10.853	120A21		1 3/8	18.50	120B21		1 3/8	3 1/2	5 1/4	2 3/8	27.00
22	11.333	120A22		1 3/8	20.30	120B22		1 3/8	3 1/2	5 1/4	2 3/8	28.80
23	11.814	120A23		1 3/8	22.10	120B23		1 3/8	3 1/2	5 1/4	2 3/8	30.60
24	12.294	120A24		1 3/8	24.50	120B24		1 3/8	3 1/2	5 1/4	2 3/8	33.50
25	12.774	120A25		1 3/8	26.60	120B25		1 3/8	3 1/2	5 1/4	2 3/8	35.60
26	13.254	120A26		1 1/2	28.50	120B26		1 3/8	4 1/8	6	2 1/2	41.80
27	13.734	120A27		1 1/2	31.20	120B27		1 3/8	4 1/8	6	2 1/2	45.00
28	14.213	120A28		1 1/2	34.00	120B28		1 3/8	4 1/8	6	2 1/2	47.50
30	15.171	120A30		1 1/2	38.40	120B30		1 3/8	4 1/8	6	2 1/2	51.50
32	16.130	120A32		1 1/2	43.40	120B32		1 3/8	4 1/8	6	2 1/2	57.00
35	17.567	120A35		1 1/2	53.90	120B35		1 3/8	4 1/8	6	2 1/2	67.00
36	18.045	120A36		1 1/2	56.60	120B36		1 3/8	4 1/8	6	2 1/2	70.00
40	19.959	120A40		1 1/2	72.00	120C40		1 3/8	4 1/8	6	3 3/4	102.00
42	20.916	120A42		1 1/2	76.00	120C42		1 3/8	4 1/8	6	3 3/4	114.00
45	22.352	120A45		1 1/2	88.00	120C45		1 3/8	4 1/8	6	3 3/4	127.00
48	23.786	120A48		1 1/2	100.00	120C48		1 3/8	4 1/8	6	3 3/4	141.00
54	26.654	120A54		1 1/2	126.00	120C54		1 3/8	4 1/8	6	3 3/4	168.00
60	29.522	120A60		1 1/2	158.00	120C60		1 3/8	5 1/4	7	4	195.00
70	34.301	120A70		1 1/2	213.00	120C70		1 3/8	5 3/8	7 1/2	5	290.00
80	39.078	120A80		1 1/2	277.00	120C80		1 3/8	5 3/8	7 1/2	5	360.00

\* Has recessed groove in hub for chain clearance. Hub diameters vary to suit different bore sizes.

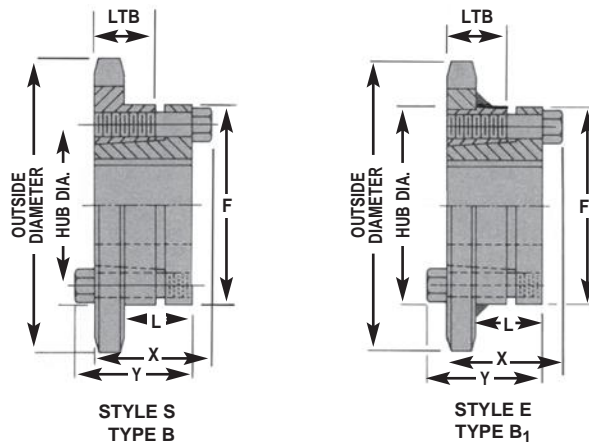


**120 Q-Bushed**

**Hardened Teeth**

No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Hub Dia.	LTB	Wt. Lbs.
12	6.498	120SF12		SF	4 3/8	1 1/4	4.60
13	6.986	120SF13		SF	4 3/8	1 1/4	5.90
14	7.472	120SF14		SF	4 3/8	1 1/4	7.30
15	7.956	120SF15		SF	4 3/8	1 1/4	8.10
16	8.441	120E16		E	4 3/8	1 5/8	10.90
17	8.924	120E17		E	4 3/8	1 5/8	12.10
18	9.407	120E18		E	6 1/4	1 5/8	14.70
19	9.890	120E19		E	6 1/4	1 5/8	15.80
20	10.371	120E20		E	6 1/4	1 5/8	18.80
21	10.853	120E21		E	6 1/4	1 5/8	19.30
22	11.333	120E22		E	6 1/4	1 5/8	21.80
23	11.814	120E23		E	6 1/4	1 5/8	23.30
24	12.294	120E24		E	6 1/4	1 5/8	25.70
25	12.774	120E25		E	6 1/4	1 5/8	27.20
26	13.254	120E26		E	6 1/4	1 5/8	30.30
28	14.213	120E28		E	6 1/4	1 5/8	35.20
30	15.171	120E30		E	6 1/4	1 5/8	39.30
32	16.130	120F32		F	7	2 1/2	50.90
35	17.567	120F35		F	7	2 1/2	63.20
36	18.045	120F36		F	7	2 1/2	65.00
40	19.959	120F40		F	7	2 1/2	77.00
42	20.916	120F42		F	7	2 1/2	90.00
45	22.352	120F45		F	7	2 1/2	95.00
48	23.786	120F48		F	7	2 1/2	109.00
54	26.654	120F54		F	7	2 1/2	135.00

Catalog Number	List Price
H120SF12	
H120SF13	
H120SF14	
H120SF15	
H120E16	
H120E17	
H120E18	
H120E19	
H120E20	
H120E21	
H120E22	
H120E23	
H120E24	
H120E25	
H120E26	
H120E28	
H120E30	

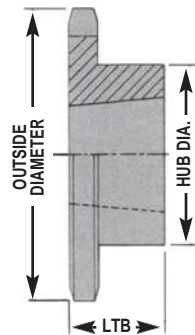


**120 Taper-Bushed**

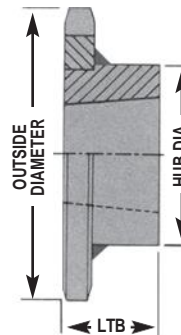
No. Teeth	Outside Diameter	Catalog Number	List Price	Bushing	Hub Dia.	LTB	Wt. Lbs.
12	6.498	120BTL12		2012	3 9/16	1 1/4	5.50
13	6.986	120BTL13		2517	4 1/4	1 3/4	6.00
14	7.472	120BTL14		2517	4 1/4	1 3/4	7.00
15	7.956	120BTL15		2517	4 1/4	1 3/4	8.00
16	8.441	120BTL16		3020	5 1/4	2	10.00
17	8.924	120BTL17		3020	5 1/4	2	11.00
18	9.407	120BTL18		3020	5 1/4	2	12.00
19	9.890	120BTL19		3020	5 1/4	2	14.00
20	10.371	120BTL20		3020	5 1/4	2	15.50
21	10.853	120BTL21		3020	5 1/4	2	17.50
24	12.294	120BTL24		3020	5 1/4	2	23.50
26	13.254	120BTL26		3020	5 1/4	2	28.50
30	15.171	120BTL30		3020	5 1/4	2	33.50
35	17.567	120BTL35		3020	5 1/4	2	52.00

**Hardened Teeth**

Catalog Number	List Price
H120BTL12	
H120BTL13	
H120BTL14	
H120BTL15	
H120BTL16	
H120BTL17	
H120BTL18	
H120BTL19	
H120BTL20	
H120BTL21	
H120BTL24	
H120BTL26	
H120BTL30	



STYLE S  
TYPE B



STYLE E  
TYPE B

## STAINLESS STEEL SPROCKETS

25 Type B - Plain Bore									25 Type F - Bored to Size			
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.	Catalog Number	List Price	Available Bores (Includes Standard Kw & 2-ss)	Wt. Lbs.
9	0.837	25B9SS		1/4	1/4	7/16	1/2	.03	25FB9SS		1/4*	.03
10	0.919	25B10SS		1/4	1/4	1/2	1/2	.04	25FB10SS		1/4*	.04
11	1.002	25B11SS		1/4	5/16	9/16	1/2	.05	25FB11SS		1/4* - 3/8*	.05
12	1.083	25B12SS		1/4	3/8	5/8	1/2	.06	25FB12SS		1/4* - 3/8*	.06
13	1.167	25B13SS		1/4	7/16	23/32	1/2	.07	25FB13SS		1/4* - 3/8*	.07
14	1.246	25B14SS		1/4	9/16	13/16	1/2	.08	25FB14SS		1/4* - 3/8*	.08
15	1.326	25B15SS		1/4	9/16	7/8	1/2	.10	25FB15SS		1/4* - 3/8*	.10
16	1.407	25B16SS		1/4	5/8	31/32	1/2	.12	25FB16SS		3/8* - 1/2	.10
17	1.487	25B17SS		1/4	21/32	1 1/32	1/2	.14	25FB17SS		3/8* - 1/2	.10
18	1.568	25B18SS		1/4	3/4	1 1/8	1/2	.16	25FB18SS		3/8* - 1/2 - 5/8	.20
19	1.648	25B19SS		1/4	13/16	1 7/32	1/2	.19	25FB19SS		3/8* - 1/2 - 5/8	.20
20	1.729	25B20SS		1/4	7/8	1 9/32	5/8	.25	25FB20SS		1/2 - 5/8 - 3/4	.20
21	1.809	25B21SS		1/4	7/8	1 3/8	5/8	.28	25FB21SS		1/2 - 5/8 - 3/4	.30
22	1.889	25B22SS		1/4	15/16	1 7/16	5/8	.31	25FB22SS		1/2 - 5/8 - 3/4	.30
23	1.969	25B23SS		1/4	1	1 1/2	5/8	.32	25FB23SS		1/2 - 5/8 - 3/4	.30
24	2.049	25B24SS		3/8	1	1 1/2	5/8	.33	25FB24SS		1/2 - 5/8 - 3/4	.30
25	2.129	25B25SS		3/8	1	1 1/2	5/8	.34	25FB25SS		1/2 - 5/8 - 3/4	.30
26	2.209	25B26SS		3/8	1	1 1/2	5/8	.35	25FB26SS		1/2 - 5/8 - 3/4	.30
28	2.369	25B28SS		3/8	1	1 1/2	5/8	.37	25FB28SS		1/2 - 5/8 - 3/4	.40
30	2.529	25B30SS		3/8	1	1 1/2	5/8	.39	25FB30SS		1/2 - 5/8 - 3/4	.40

\* 1/4" and 3/8" Bore sizes have two set screws only - No keyway.

35 Type B - Plain Bore									35 Type F - Bored to Size			
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.	Catalog Number	List Price	Available Bores (Includes Standard Kw & 2-ss)	Wt. Lbs.
9	1.260	35B9SS		3/8	3/8	27/32 *	3/4	.10	35FB9SS		3/8*	.10
10	1.380	35B10SS		3/8	9/16	31/32 *	3/4	.15	35FB10SS		3/8* - 1/2	.15
11	1.500	35B11SS		3/8	9/16	1 1/16 *	3/4	.20	35FB11SS		3/8* - 1/2	.20
12	1.630	35B12SS		1/2	5/8	1 7/32 *	3/4	.22	35FB12SS		1/2 - 5/8	.22
13	1.750	35B13SS		1/2	3/4	1 1/4 *	3/4	.25	35FB13SS		1/2 - 5/8 - 3/4	.25
14	1.870	35B14SS		1/2	7/8	1 11/32	3/4	.26	35FB14SS		1/2 - 5/8 - 3/4	.26
15	1.990	35B15SS		1/2	7/8	1 15/32	3/4	.30	35FB15SS		1/2 - 5/8 - 3/4 - 7/8	.30
16	2.110	35B16SS		1/2	15/16	1 19/32	3/4	.40	35FB16SS		5/8 - 3/4 - 7/8	.40
17	2.230	35B17SS		1/2	1 1/16	1 23/32	3/4	.43	35FB17SS		5/8 - 3/4 - 7/8 - 1	.43
18	2.350	35B18SS		1/2	1 3/16	1 27/32	3/4	.50	35FB18SS		5/8 - 3/4 - 7/8 - 1	.50
19	2.470	35B19SS		1/2	1 1/4	1 15/16	3/4	.56	35FB19SS		5/8 - 3/4 - 7/8 - 1	.56
20	2.590	35B20SS		1/2	1 5/16	2	3/4	.68	35FB20SS		5/8 - 3/4 - 7/8 - 1	.68
21	2.710	35B21SS		1/2	1 3/8	2	7/8	.80	35FB21SS		5/8 - 3/4 - 7/8 - 1	.80
22	2.830	35B22SS		1/2	1 3/8	2	7/8	.82	35FB22SS		5/8 - 3/4 - 7/8 - 1	.82
23	2.950	35B23SS		1/2	1 3/8	2	7/8	.87	35FB23SS		5/8 - 3/4 - 7/8 - 1	.87
24	3.070	35B24SS		1/2	1 3/8	2	7/8	.89	35FB24SS		5/8 - 3/4 - 7/8 - 1	.89
25	3.190	35B25SS		1/2	1 3/8	2	7/8	.91	35FB25SS		5/8 - 3/4 - 7/8 - 1	.91
26	3.310	35B26SS		1/2	1 3/8	2	7/8	.93	35FB26SS		5/8 - 3/4 - 7/8 - 1	.93
28	3.550	35B28SS		1/2	1 1/2	2 1/4	1	1.00	35FB28SS		5/8 - 3/4 - 7/8 - 1	1.00
30	3.790	35B30SS		1/2	1 1/2	2 1/4	1	1.06	35FB30SS		5/8 - 3/4 - 7/8 - 1	1.06
32	4.032	35B32SS		1/2	1 1/2	2 1/4	1	1.13	35FB32SS		5/8 - 3/4 - 7/8 - 1	1.13

\* 3/8" Bore sizes have two set screws only - No keyway.

\* Recess Groove in hub for chain clearance.

## STAINLESS STEEL SPROCKETS

40 Type A					40 Type B - Plain Bore						
No. Teeth	Outside Diameter	Catalog Number	List Price	Wt. Lbs.	Catalog Number	List Price	Stock Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
9	1.670	40A9SS			40B9SS		1/2	9/16	1 1/16 *	7/8	.21
10	1.840	40A10SS			40B10SS		1/2	3/4	1 1/4 *	7/8	.28
11	2.000	40A11SS			40B11SS		1/2	13/16	1 3/8 *	7/8	.36
12	2.170	40A12SS			40B12SS		1/2	15/16	1 9/16 *	7/8	.44
13	2.330	40A13SS		.30	40B13SS		1/2	1 1/16	1 9/16	7/8	.50
14	2.490	40A14SS		.40	40B14SS		1/2	1 1/8	1 11/16	7/8	.60
15	2.650	40A15SS		.40	40B15SS		1/2	1 1/4	1 13/16	7/8	.68
16	2.810	40A16SS		.40	40B16SS		5/8	1 3/8	2	7/8	.82
17	2.980	40A17SS		.50	40B17SS		5/8	1 7/16	2 1/8	1	1.25
18	3.140	40A18SS		.50	40B18SS		5/8	1 1/2	2 5/16	1	1.25
19	3.300	40A19SS		.60	40B19SS		5/8	1 3/4	2 1/2	1	1.42
20	3.460	40A20SS		.60	40B20SS		5/8	1 7/8	2 5/8	1	1.60
21	3.620	40A21SS		.70	40B21SS		5/8	1 7/8	2 3/4	1	1.68
22	3.780	40A22SS		.70	40B22SS		5/8	1 7/8	2 7/8	1	1.81
23	3.940	40A23SS		.90	40B23SS		5/8	2	3	1	2.18
24	4.100	40A24SS		.90	40B24SS		5/8	2 1/4	3	1	2.20
25	4.260	40A25SS		1.00	40B25SS		5/8	2 1/4	3	1	2.30
26	4.420	40A26SS		1.10	40B26SS		5/8	2 1/4	3	1	2.40
28	4.740	40A28SS		1.20	40B28SS		5/8	2 1/4	3	1	2.75
30	5.060	40A30SS		1.40	40B30SS		5/8	2 1/4	3	1	2.88
35	5.860	40A35SS		2.00	40B35SS		5/8	2 1/4	3	1	3.32

\* Has recessed groove in hub for chain clearance.

40 Type F - Bored to Size				
No. Teeth	Catalog Number	List Price	Available Bores (Includes Standard Kw & 2-ss)	Wt. Lbs.
9	40FB9SS		1/2 - 5/8	.10
10	40FB10SS		1/2 - 5/8 - 3/4	.20
11	40FB11SS		1/2 - 5/8 - 3/4 - 7/8	.20
12	40FB12SS		1/2 - 5/8 - 3/4 - 7/8 - 1	.30
13	40FB13SS		1/2 - 5/8 - 3/4 - 7/8 - 1	.40
14	40FB14SS		5/8 - 3/4 - 7/8 - 1	.50
15	40FB15SS		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	.60
16	40FB16SS		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	.70
17	40FB17SS		5/8 - 3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	.80
18	40FB18SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	.90
19	40FB19SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	1.10
20	40FB20SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	1.30
21	40FB21SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	1.60
22	40FB22SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	1.60
23	40FB23SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	1.80
24	40FB24SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	1.80
25	40FB25SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	1.90
26	40FB26SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	2.00
28	40FB28SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	2.10
30	40FB30SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	2.30

\* Has recessed groove in hub for chain clearance.

## STAINLESS STEEL SPROCKETS

50 Type A					50 Type B - Plain Bore						
No. Teeth	Outside Diameter	Catalog Number	List Price	Wt. Lbs.	Catalog Number	List Price	Stock Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
9	2.090	50A9SS			50B9SS		5/8	3/4	1-3/8*	1	.40
10	2.300	50A10SS			50B10SS		5/8	7/8	1 9/16 *	1	.50
11	2.500	50A11SS			50B11SS		5/8	1	1 3/4 *	1	.60
12	2.710	50A12SS			50B12SS		5/8	1 1/4	1 63/64 *	1	.70
13	2.910	50A13SS		.60	50B13SS		5/8	1 5/16	1 7/8	1	.80
14	3.110	50A14SS		.60	50B14SS		5/8	1 7/16	2 1/8	1	1.00
15	3.320	50A15SS		.70	50B15SS		5/8	1 1/2	2 3/8	1	1.30
16	3.520	50A16SS		.80	50B16SS		5/8	1 3/4	2 1/2	1	1.50
17	3.720	50A17SS		.80	50B17SS		5/8	1 7/8	2 11/16	1	1.80
18	3.920	50A18SS		.90	50B18SS		5/8	1 7/8	2 7/8	1	2.00
19	4.120	50A19SS		1.10	50B19SS		5/8	2**	3	1	2.30
20	4.320	50A20SS		1.20	50B20SS		3/4	2**	3	1	2.50
21	4.520	50A21SS		1.30	50B21SS		3/4	2	3	1	2.70
22	4.720	50A22SS		1.50	50B22SS		3/4	2	3	1	3.30
23	4.920	50A23SS		1.60	50B23SS		3/4	2	3	1	3.80
24	5.120	50A24SS		1.80	50B24SS		3/4	2	3	1 1/4	4.10
25	5.320	50A25SS		1.90	50B25SS		3/4	2	3	1 1/4	4.30
26	5.520	50A26SS		2.00	50B26SS		3/4	2	3	1 1/4	4.60
28	5.920	50A28SS		2.30	50B28SS		3/4	2	3	1 1/4	5.00
30	6.320	50A30SS		2.70	50B30SS		3/4	2	3	1 1/4	5.20

\* Has recessed groove in hub for chain clearance.

\*\* Has 3/8" setscrew for 2" bore.

50 Type F - Bored to Size				
No. Teeth	Catalog Number	List Price	Available Bores (Includes Standard Kw & 2-ss)	Wt. Lbs.
9	50FB9SS		5/8 - 3/4	.20
10	50FB10SS		3/8 - 3/4 - 7/8 - 1	.40
11	50FB11SS		3/8 - 3/4 - 7/8 - 1	.50
12	50FB12SS		3/8 - 3/4 - 7/8 - 1 - 1 1/8	.60
13	50FB13SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	.70
14	50FB14SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	.90
15	50FB15SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8	1.10
16	50FB16SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8	1.30
17	50FB17SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8	1.60
18	50FB18SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8	1.80
19	50FB19SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8	2.00
20	50FB20SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8	2.10
21	50FB21SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8	2.20
22	50FB22SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8	2.40
23	50FB23SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8	2.50
24	50FB24SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8	2.70
25	50FB25SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8	2.80
26	50FB26SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8	2.90
28	50FB28SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8	3.20
30	50FB30SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8	

\* Has recessed groove in hub for chain clearance.



## STAINLESS STEEL SPROCKETS

60 Type A					60 Type B - Plain Bore						
No. Teeth	Outside Diameter	Catalog Number	List Price	Wt. Lbs.	Catalog Number	List Price	Stock Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
9	2.510	60A9SS			60B9SS		3/4	1	1 9/16 *	1 1/4	.80
10	2.760	60A10SS			60B10SS		3/4	1 1/8	1 15/16 *	1 1/4	1.00
11	3.000	60A11SS			60B11SS		3/4	1 5/16	2 1/16 *	1 1/4	1.18
12	3.250	60A12SS			60B12SS		3/4	1 3/8	2 3/8 *	1 1/4	1.50
13	3.490	60A13SS		1.00	60B13SS		3/4	1 1/2	2 11/32	1 1/4	1.80
14	3.740	60A14SS		1.20	60B14SS		3/4	1 3/4	2 9/16	1 1/4	2.00
15	3.980	60A15SS		1.30	60B15SS		3/4	1 7/8	2 7/8	1 1/4	2.40
16	4.220	60A16SS		1.50	60B16SS		3/4	2	3 1/16	1 1/4	2.80
17	4.466	60A17SS		1.70	60B17SS		3/4	2 1/4	3 1/4	1 1/4	3.30
18	4.700	60A18SS		1.80	60B18SS		3/4	2	3	1 1/4	3.80
19	4.950	60A19SS		2.00	60B19SS		3/4	2	3	1 1/4	4.00
20	5.190	60A20SS		2.20	60B20SS		3/4	2	3	1 1/4	4.60
21	5.430	60A21SS		2.50	60B21SS		3/4	2	3	1 1/4	5.00
22	5.670	60A22SS		2.80	60B22SS		3/4	2	3	1 1/4	5.30
23	5.910	60A23SS		3.10	60B23SS		3/4	2	3	1 1/4	5.70
24	6.150	60A24SS		3.30	60B24SS		3/4	2	3	1 1/4	5.90
25	6.390	60A25SS		3.60	60B25SS		3/4	2	3	1 1/4	6.10
26	6.630	60A26SS		3.90	60B26SS		3/4	2	3	1 1/4	6.30

\* Has recessed groove in hub for chain clearance.

60 Type F - Bored to Size				
No. Teeth	Catalog Number	List Price	Available Bores (Includes Standard Kw & 2-ss)	Wt. Lbs.
9	60FB9SS		3/4 - 7/8 - 1	.50
10	60FB10SS		3/4 - 7/8 - 1 - 1 1/8	.60
11	60FB11SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4	.80
12	60FB12SS		3/4 - 7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8	1.20
13	60FB13SS		7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	1.70
14	60FB14SS		7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	1.80
15	60FB15SS		7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	2.20
16	60FB16SS		7/8 - 1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	2.40
17	60FB17SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	2.60
18	60FB18SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	2.70
19	60FB19SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	2.90
20	60FB20SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	3.10
21	60FB21SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	3.40
22	60FB22SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	3.70
23	60FB23SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	4.70
24	60FB24SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	4.90
25	60FB25SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	5.20
26	60FB26SS		1 - 1 1/8 - 1 3/16 - 1 1/4 - 1 3/8 - 1 7/16 - 1 1/2	5.50

\* Has recessed groove in hub for chain clearance.

## STAINLESS STEEL SPROCKETS

80 Type A					80 Type B - Plain Bore						
No. Teeth	Outside Diameter	Catalog Number	List Price	Wt. Lbs.	Catalog Number	List Price	Stock Bore	Max. Bore	Hub Dia.	LTB	Wt. Lbs.
10	3.680	80A10SS			80B10SS		1	1 9/16	2 9/16 *	1 1/2	2.00
11	4.010	80A11SS			80B11SS		1	1 13/16	2 13/16 *	1 1/2	2.60
12	4.330	80A12SS		1.90	80B12SS		1	1 13/16	2 17/32 *	1 1/2	3.00
13	4.660	80A13SS		2.20	80B13SS		1	2 1/8	3	1 1/2	3.60
14	4.980	80A14SS		2.60	80B14SS		1	2 1/4	3 1/4	1 1/2	4.40
15	5.300	80A15SS		3.00	80B15SS		1	2 1/2	3 13/32	1 1/2	5.20
16	5.630	80A16SS		3.30	80B16SS		1	2 3/4	4	1 1/2	6.20
17	5.950	80A17SS		3.70	80B17SS		1	2 3/4	4	1 1/2	6.90
18	6.270	80A18SS		4.20	80B18SS		1	2 3/4	4	1 1/2	7.40
19	6.590	80A19SS		4.70	80B19SS		1	2 3/4	4	1 1/2	7.90
20	6.910	80A20SS		5.10	80B20SS		1	2 3/4	4	1 1/2	8.30

\* Has recessed groove in hub for chain clearance.

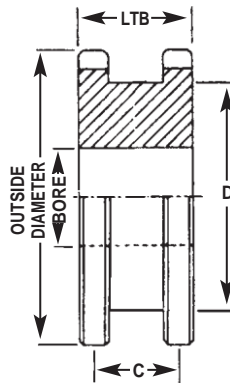
## DOUBLE SINGLE SPROCKETS

### 40 DOUBLE SINGLE SPROCKETS 1/2" PITCH

No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Max. Bore	LTB	C	D	Wt. Lbs.
15	2.650	DS40A15		1/2	1 1/4	1 13/32	1 1/8	1 13/16	1.20
16	2.810	DS40A16		1/2	1 1/4	1 13/32	1 1/8	2	1.40
17	2.980	DS40A17		1/2	1 5/16	1 13/32	1 1/8	2 1/8	1.60
18	3.140	DS40A18		1/2	1 1/2	1 13/32	1 1/8	2 5/16	1.80
19	3.300	DS40A19		5/8	1 11/16	1 13/32	1 1/8	2 1/2	2.20
20	3.460	DS40A20		5/8	1 3/4	1 13/32	1 1/8	2 5/8	2.60
21	3.620	DS40A21		5/8	1 3/4	1 13/32	1 1/8	2 25/32	2.90
22	3.780	DS40A22		5/8	1 15/16	1 13/32	1 1/8	2 15/16	3.00
23	3.940	DS40A23		5/8	2 1/16	1 13/32	1 1/8	3 3/32	3.50
24	4.100	DS40A24		5/8	2 1/4	1 13/32	1 1/8	3 17/64	4.00

### 50 DOUBLE SINGLE SPROCKETS 5/8" PITCH

No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Max. Bore	LTB	C	D	Wt. Lbs.
15	3.320	DS50A15		5/8	1 1/2	1 21/32	1 5/16	2 3/8	2.10
16	3.520	DS50A16		5/8	1 11/16	1 21/32	1 5/16	2 1/2	2.40
17	3.720	DS50A17		5/8	1 3/4	1 21/32	1 5/16	2 11/16	2.90
18	3.920	DS50A18		5/8	1 7/8	1 21/32	1 5/16	2 57/64	3.30
19	4.120	DS50A19		5/8	2 1/16	1 21/32	1 5/16	3 5/64	3.70
20	4.320	DS50A20		5/8	2 1/4	1 21/32	1 5/16	3 9/32	4.20
21	4.520	DS50A21		5/8	2 1/4	1 21/32	1 5/16	3 31/64	4.80
22	4.720	DS50A22		5/8	2 7/16	1 21/32	1 5/16	3 11/16	5.30
23	4.920	DS50A23		5/8	2 5/8	1 21/32	1 5/16	3 57/64	5.80
24	5.120	DS50A24		5/8	2 3/4	1 21/32	1 5/16	4 5/64	6.30



## DOUBLE SINGLE SPROCKETS

<b>60 DOUBLE SINGLE SPROCKETS 3/4" PITCH</b>									
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Max. Bore	LTB	C	D	Wt. Lbs.
13	3.490	DS60A13		3/4	1 1/2	1 15/16	1 31/64	2 11/32	2.60
14	3.740	DS60A14		3/4	1 3/4	1 15/16	1 31/64	2 9/16	3.20
15	3.980	DS60A15		3/4	1 7/8	1 15/16	1 31/64	2 7/8	3.80
16	4.220	DS60A16		3/4	2	1 15/16	1 31/64	3 3/64	4.50
17	4.460	DS60A17		3/4	2 1/4	1 15/16	1 31/64	3 1/4	5.30
18	4.700	DS60A18		3/4	2 3/8	1 15/16	1 31/64	3 1/2	6.50
19	4.950	DS60A19		3/4	2 1/2	1 15/16	1 31/64	3 45/64	6.80
20	5.190	DS60A20		3/4	2 3/4	1 15/16	1 31/64	3 61/64	7.00
21	5.430	DS60A21		3/4	2 7/8	1 15/16	1 31/64	4 3/16	7.50

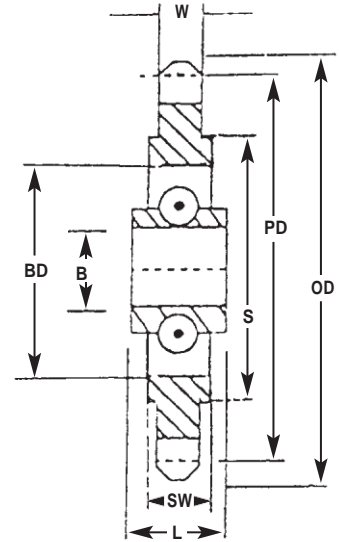
<b>80 DOUBLE SINGLE SPROCKETS 1" PITCH</b>									
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Max. Bore	LTB	C	D	Wt. Lbs.
13	4.660	DS80A13		1	2	2 3/16	1 5/8	3 1/64	6.50
14	4.980	DS80A14		1	2 1/4	2 3/16	1 5/8	3 11/32	7.70
15	5.300	DS80A15		1	2 3/8	2 3/16	1 5/8	3 13/16	9.10
16	5.630	DS80A16		1	2 11/16	2 3/16	1 5/8	4	9.50
17	5.950	DS80A17		1	2 13/16	2 3/16	1 5/8	4 5/16	10.80
18	6.270	DS80A18		1	3 1/8	2 3/16	1 5/8	4 41/64	12.10
19	6.590	DS80A19		1	3 1/4	2 3/16	1 5/8	4 61/64	12.80
20	6.910	DS80A20		1	3 1/2	2 3/16	1 5/8	5 9/32	14.00
21	7.240	DS80A21		1	3 3/4	2 3/16	1 5/8	5 19/32	16.50
22	7.560	DS80A22		1	3 7/8	2 3/16	1 5/8	5 59/64	18.40

<b>100 DOUBLE SINGLE SPROCKETS 1 1/4" PITCH</b>									
No. Teeth	Outside Diameter	Catalog Number	List Price	Stock Bore	Max. Bore	LTB	C	D	Wt. Lbs.
13	5.820	DS100A13		1	2 1/2	2 11/16	2	3 25/32	11.20
14	6.230	DS100A14		1 1/4	2 3/4	2 11/16	2	4 3/16	13.50
15	6.630	DS100A15		1 1/4	3 1/16	2 11/16	2	4 19/32	16.80
16	7.030	DS100A16		1 1/4	3 1/4	2 11/16	2	4 1/2	19.30
17	7.440	DS100A17		1 1/4	3 5/8	2 11/16	2	4 29/32	21.50
18	7.840	DS100A18		1 1/4	3 3/4	2 11/16	2	5 9/32	23.00

**Note: All Double Single sprockets have high carbon content and are hardenable.**

## IDLER SPROCKETS BALL BEARING TYPE

Chain Size	No. Teeth	Catalog Number	List Price	O.D.	B	L	W	S	SW	Wt. (Lbs.)
40	17	40BB17H		2.97	0.500	0.4375	0.284			0.52
40	17	40BB17H		2.97	0.638	0.72	0.284	2 1/8	0.49	0.52
40	18	40BB18H		3.14	0.500	0.4375	0.284			0.53
40	18	40BB18H		3.14	0.638	0.72	0.284	2 1/8	0.49	0.53
50	15	50BB15H		3.32	0.638	0.72	0.343	2 1/8	0.49	0.75
50	17	50BB17H		3.72	0.638	0.72	0.343	2 1/8	0.49	0.78
60	13	60BB13H		3.51	0.638	0.72	0.459	2 1/8	0.49	0.76
60	15	60BB15H		3.98	0.638	0.72	0.459	2 1/8	0.49	1.06
80	12	80BB12H		4.36	0.750	0.61	0.575	2 1/4	0.63	1.50



## FLEXIBLE COUPLINGS

### BORED TO SIZE COUPLINGS WITH FINISHED BORE

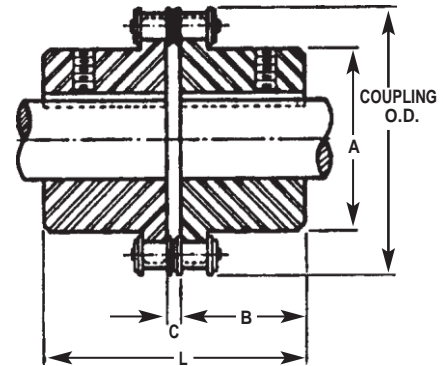
Coupling Number	Coupling Half List Price	Available Bores (Includes standard Kw & 2-ss)	A	B	C	L	Coupling O.D.
4012F		1/2, 5/8, 3/4	1 13/32	1 1/8	9/32	2 17/32	2 13/32
4016F		5/8, 3/4, 7/8, 15/16, 1, 1 1/8, 1 3/16*, 1 1/4*	1 31/32	1 1/8	9/32	2 17/32	3 1/32
5016F		3/4, 7/8, 1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8*	2 1/2	1 7/16	3/8	3 1/4	3 25/32
5018F		3/4, 7/8, 1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8, 1 3/4, 1 7/8*, 1 15/16*	2 31/32	1 11/16	3/8	3 3/4	4 3/16
6018F		1, 1 1/8, 1 3/16, 1 1/4, 1 3/8, 1 7/16, 1 1/2, 1 5/8, 1 3/4, 1 7/8, 1 15/16, 2, 2 1/8, 2 3/16, 2 1/4, 2 3/8*, 2 7/16*	3 1/2	1 7/8	7/16	4 3/16	5
6020F		1 1/8, 1 1/4, 1 1/2, 1 3/4, 1 15/16, 2 1/8*, 2 3/8*, 2 7/16*, 2 5/8*	3 7/8	2	7/16	4 7/16	5 1/2
8018F		1 1/8, 1 3/4, 1 15/16, 2, 2 1/8, 2 3/8, 2 7/16, 2 5/8, 2 7/8*, 2 15/16*	4 9/16	2 3/8	37/64	5 21/64	6 21/32
8020F		1 1/2, 2 3/16, 2 7/16, 2 11/16, 2 15/16, 3 1/8, 3 3/8*, 3 7/16*	5 3/8	2 5/8	37/64	5 33/64	7 19/64

All couplings have hardened teeth.

\* Setscrew at 90 degrees from keyway.

### COUPLINGS WITH PLAIN BORES FOR REBORING

Coupling Number	Coupling Half Only	Maximum Bore	Minimum Plain Bore	Wt. (Lbs.)	Recommended Maximum RPM
4012	18.10	7/8	1/2	.50	5000
4016	22.20	1 5/16	5/8	1.00	5000
5016	30.20	1 11/16	5/8	2.20	4000
5018	33.60	2	5/8	3.50	3600
6018	47.80	2 7/16	1	5.00	3000
6020	60.20	2 3/4	1	6.50	2500
8018	112.40	3 1/8	1	11.00	2000
8020	130.50	3 9/16	1 1/2	16.30	2000



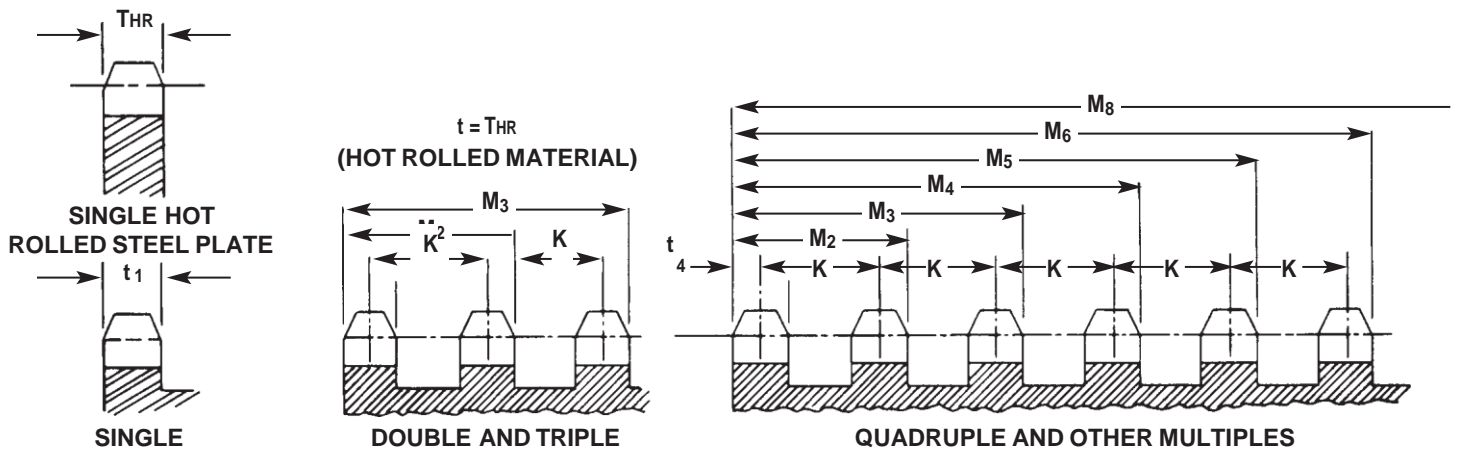
**CAUTION:** All rotating power transmission products are potentially dangerous and must be properly guarded for the speeds and applications for which they were intended.

## SPROCKET TOOTH DIMENSIONS

### SPROCKET TOOTH DIMENSIONS - STANDARD AND HEAVY SERIES

Chain Data For All Sprockets				Single Strand $t_1$ and THR	Double & Triple Strand			For 4 or more Strands								Machining Tolerance on "t" & "M"	Hot Rolled Tolerance
ANSI No.	Pitch P	Roller Width W	Roller Dia.		$t_2$	$M_2$	$M_3$	$t_4$	$M_2$	$M_3$	$M_4$	$M_5$	$M_6$	$M_8$	K		
<b>STANDARD SERIES CHAIN SPROCKETS</b>																	
25	1/4	1/8	.130	.110	.107	.359	.611	.096	.348	.600	.852	1.140	1.356	1.860	.252	-.007	-.021
35	3/8	3/16	.200	.168	.162	.561	.960	.149	.548	.947	1.346	1.745	2.144	2.942	.399	-.008	-.027
41	1/2	1/4	.306	.227	*	*	*	*	*	*	*	*	*	*	*	-.009	-.032
40	1/2	5/16	.312	.284	.275	.841	1.407	.256	.822	1.388	1.954	2.520	3.086	4.218	.566	-.009	-.035
50	5/8	3/8	.400	.343	.332	1.045	1.758	.311	1.024	1.737	2.450	3.163	3.876	5.302	.713	-.010	-.036
60	3/4	1/2	.469	.459	.444	1.341	2.238	.418	1.315	2.212	3.109	4.006	4.903	6.697	.897	-.011	-.036
80	1	5/8	.625	.575	.557	1.710	2.863	.526	1.679	2.832	3.985	5.138	6.291	8.597	1.153	-.012	-.040
100	1 1/4	3/4	.750	.692	.669	2.077	3.485	.633	2.041	3.449	4.857	6.265	7.673	10.489	1.408	-.014	-.046
120	1 1/2	1	.875	.924	.894	2.683	4.472	.848	2.637	4.426	6.215	8.004	9.793	13.371	1.789	-.016	-.057
140	1 3/4	1	1.000	.924	.894	2.818	4.742	.848	2.772	4.696	6.620	8.544	10.468	14.316	1.924	-.016	-.057
160	2	1 1/4	1.125	1.156	1.119	3.424	5.729	1.063	3.368	5.673	7.978	10.283	12.588	17.198	2.305	-.019	-.062
180	2 1/4	1 13/32	1.406	1.301	1.259	3.851	6.443	1.197	3.789	6.381	8.973	11.565	14.157	19.341	2.592	-.020	-.068
200	2 1/2	1 1/2	1.562	1.389	1.344	4.161	6.978	1.278	4.095	6.912	9.729	12.546	15.363	20.997	2.817	-.021	-.072
240	3	1 7/8	1.875	1.738	1.682	5.140	8.598	1.601	5.059	8.517	11.975	15.433	18.891	-	3.458	-.025	-.087
<b>HEAVY SERIES CHAIN SPROCKETS</b>																	
60H	3/4	1/2	.469	.459	.444	1.472	2.500	.418	1.446	2.474	3.502	4.530	5.558	7.614	1.028	-.011	-.036
80H	1	5/8	.625	.575	.557	1.840	3.123	.526	1.809	3.092	4.375	5.568	6.941	9.507	1.283	-.012	-.040
100H	1 1/4	3/4	.750	.692	.669	2.208	3.747	.633	2.172	3.711	5.250	6.789	8.328	11.406	1.5369	-.014	-.046
120H	1 1/2	1	.875	.924	.894	2.818	4.742	.848	2.772	4.696	6.620	8.544	10.468	14.316	1.924	-.016	-.057
140H	1 3/4	1	1.000	.924	.894	2.949	5.004	.848	2.903	4.958	7.013	9.068	11.123	15.233	2.055	-.016	-.057
160H	2	1 1/4	1.125	1.156	1.119	3.555	5.991	1.063	3.499	5.935	8.371	10.807	13.243	18.115	2.436	-.019	-.062
180H	2 1/4	1 13/32	1.406	1.301	1.259	3.982	6.705	1.197	3.920	6.643	9.366	12.089	14.812	20.258	2.723	-.020	-.068
200H	2 1/2	1 1/2	1.562	1.389	1.344	4.427	7.510	1.278	4.361	7.444	10.527	13.610	16.693	22.859	3.083	-.021	-.072

\*No. 41 is not made in multiple strands.



## TOLERANCES

### BORE DIAMETER TOLERANCES

(Always on plus side minus .000")

Bore Diameters	Tolerance -.000"
Up to 3" .....	+ .003"
3" to 4" .....	+ .004"
4" to 5" .....	+ .005"
over 5" .....	+ .005"

Closer than standard bore tolerances listed above can be had at additional cost depending upon tolerance and finish desired.

### PLATE THICKNESS

(On type A plate sprockets)

Chain No.	Pitch	Pitch Thickness	Tolerance	
			+	-
35	3/8"	.168"	+ .006"	- .027"
40	1/2"	.284"	+ .006"	- .035"
41	1/2"	.227"	+ .006"	- .035"
50	5/8"	.343"	+ .007"	- .036"
60	3/4"	.459"	+ .009"	- .036"
80	1"	.575"	+ .015"	- .040"
100	1-1/4"	.692"	+ .020"	- .046"
120	1-1/2"	.924"	+ .024"	- .057"

### ECCENTRICITY

(Measured from bore to bottom of teeth)

Bottom Diameters	Indicator Reading
Up to 4" .....	.006"
4" to 5" .....	.008"
5" to 7" .....	.010"
7" to 9" .....	.012"
9" to 11" .....	.014"
11" to 13" .....	.016"
13" to 15" .....	.018"
15" to 20" .....	.020"
20" to 25" .....	.024"
25" to 35" .....	.026"
35" to 45" .....	.028"

### STANDARD KEYWAYS AND SETSCREW

Diameter of Shaft	Keyseat Width x Depth	* Diameter of Setscrew
5/16 - 7/16	3/32 x 3/64	8-32
1/2 - 9/16	1/8 x 1/16	1/4
5/8 - 7/8	3/16 x 3/32	1/4
15/16 - 1 1/4	1/4 x 1/8	5/16
1 5/16 - 1 3/8	5/16 x 5/32	5/16
1 7/16 - 1 3/4	3/8 x 3/16	3/8
1 13/16 - 2 1/4	1/2 x 1/4	1/2
2 5/16 - 2 3/4	5/8 x 5/16	5/8
2 13/16 - 3 1/4	3/4 x 3/8	3/4
3 5/16 - 3 3/4	7/8 x 7/16	3/4
3 13/16 - 4 1/2	1 x 1/2	3/4
4 9/16 - 5 1/2	1 1/4 x 5/8	3/4
5 9/16 - 6 1/2	1 1/2 x 3/4	1
6 9/16 - 7 1/2	1 3/4 x 7/8	1
7 9/16 - 8 15/16	2 x 1	1
9 - 10 15/16	2 1/2 x 1 1/4	1

### FACE RUN-OUT

(On type A plate sprockets)

Outside Diameter	Indicator Reading
Up to 12" .....	.030"
12" to 18" .....	.050"
18" to 24" .....	.080"
24" and over .....	.125"

**NOTE:** As a general rule, the hub wall over the keyway should be equal to or greater than the diameter of the setscrew.

\* Setscrew size may vary depending on hub wall thickness.



## SPROCKET DIAMETERS

No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter	No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter	No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter
6	0.500	0.583	0.370	71	5.652	5.796	5.521	136	10.823	10.970	10.693
7	0.576	0.669	0.432	72	5.732	5.876	5.602	137	10.903	11.050	10.772
8	0.653	0.754	0.523	73	5.811	5.956	5.680	138	10.983	11.130	10.853
9	0.731	0.837	0.591	74	5.891	6.035	5.761	139	11.062	11.209	10.932
10	0.809	0.919	0.679	75	5.970	6.115	5.839	140	11.142	11.289	11.012
11	0.887	1.002	0.748	76	6.050	6.195	5.920	141	11.221	11.369	11.091
12	0.966	1.083	0.836	77	6.129	6.274	5.998	142	11.301	11.448	11.171
13	1.045	1.167	0.907	78	6.209	6.354	6.079	143	11.380	11.528	11.250
14	1.124	1.246	0.994	79	6.288	6.433	6.157	144	11.460	11.607	11.330
15	1.203	1.326	1.066	80	6.368	6.513	6.238	145	11.540	11.687	11.409
16	1.282	1.407	1.152	81	6.448	6.593	6.317	146	11.619	11.767	11.489
17	1.361	1.487	1.225	82	6.527	6.672	6.397	147	11.699	11.846	11.568
18	1.440	1.568	1.310	83	6.607	6.752	6.476	148	11.779	11.926	11.649
19	1.519	1.648	1.383	84	6.686	6.832	6.556	149	11.858	12.005	11.727
20	1.598	1.729	1.468	85	6.766	6.911	6.635	150	11.938	12.084	11.807
21	1.678	1.809	1.543	86	6.845	6.991	6.715	151	12.017	12.164	11.886
22	1.757	1.889	1.627	87	6.925	7.070	6.794	152	12.097	12.244	11.966
23	1.836	1.969	1.702	88	7.004	7.150	6.874	153	12.176	12.323	12.045
24	1.915	2.049	1.785	89	7.084	7.230	6.953	154	12.256	12.403	12.125
25	1.995	2.129	1.861	90	7.164	7.309	7.034	155	12.335	12.482	12.204
26	2.074	2.209	1.944	91	7.243	7.389	7.112	156	12.415	12.562	12.284
27	2.154	2.289	2.020	92	7.323	7.468	7.193	157	12.494	12.641	12.363
28	2.233	2.369	2.103	93	7.402	7.548	7.271	158	12.574	12.721	12.444
29	2.312	2.449	2.179	94	7.482	7.628	7.352	159	12.654	12.801	12.523
30	2.392	2.529	2.262	95	7.561	7.707	7.430	160	12.733	12.881	12.603
31	2.471	2.609	2.338	96	7.641	7.787	7.511	161	12.813	12.960	12.682
32	2.551	2.688	2.421	97	7.720	7.866	7.589	162	12.893	13.039	12.762
33	2.630	2.768	2.497	98	7.800	7.946	7.670	163	12.972	13.119	12.841
34	2.710	2.848	2.580	99	7.880	8.026	7.749	164	13.051	13.199	12.921
35	2.789	2.928	2.656	100	7.959	8.105	7.829	165	13.131	13.278	13.000
36	2.869	3.008	2.739	101	8.039	8.185	7.908	166	13.211	13.357	13.080
37	2.948	3.087	2.815	102	8.118	8.264	7.988	167	13.290	13.437	13.159
38	3.028	3.167	2.898	103	8.198	8.344	8.067	168	13.370	13.517	13.239
39	3.107	3.247	2.975	104	8.277	8.424	8.147	169	13.450	13.597	13.318
40	3.187	3.327	3.057	105	8.357	8.503	8.226	170	13.529	13.676	13.398
41	3.266	3.406	3.134	106	8.437	8.583	8.307	171	13.608	13.756	13.477
42	3.346	3.486	3.216	107	8.516	8.662	8.385	172	13.688	13.835	13.558
43	3.425	3.566	3.293	108	8.596	8.742	8.466	173	13.768	13.915	13.637
44	3.505	3.646	3.375	109	8.675	8.822	8.544	174	13.847	13.995	13.717
45	3.584	3.725	3.452	110	8.755	8.901	8.625	175	13.927	14.074	13.796
46	3.664	3.805	3.534	111	8.834	8.981	8.703	176	14.006	14.154	13.876
47	3.743	3.885	3.611	112	8.914	9.060	8.784	177	14.086	14.233	13.955
48	3.823	3.964	3.693	113	8.994	9.140	8.863	178	14.166	14.313	14.035
49	3.902	4.044	3.770	114	9.073	9.220	8.943	179	14.245	14.392	14.114
50	3.982	4.124	3.852	115	9.153	9.299	9.022	180	14.325	14.472	14.195
51	4.061	4.203	3.929	116	9.232	9.379	9.102	181	14.404	14.551	14.273
52	4.141	4.283	4.011	117	9.312	9.458	9.181	182	14.484	14.631	14.353
53	4.220	4.363	4.088	118	9.391	9.538	9.261	183	14.564	14.711	14.433
54	4.300	4.442	4.170	119	9.471	9.618	9.340	184	14.643	14.790	14.513
55	4.379	4.522	4.247	120	9.550	9.697	9.420	185	14.722	14.870	14.591
56	4.459	4.602	4.329	121	9.630	9.777	9.499	186	14.803	14.949	14.672
57	4.538	4.681	4.407	122	9.709	9.856	9.579	187	14.882	15.029	14.751
58	4.618	4.761	4.488	123	9.789	9.936	9.658	188	14.961	15.109	14.831
59	4.697	4.841	4.566	124	9.869	10.016	9.739	189	15.041	15.188	14.910
60	4.777	4.920	4.647	125	9.949	10.095	9.818	190	15.120	15.268	14.990
61	4.857	5.000	4.725	126	10.028	10.175	9.898	191	15.200	15.347	15.069
62	4.936	5.080	4.806	127	10.108	10.255	9.977	192	15.279	15.427	15.149
63	5.016	5.159	4.884	128	10.187	10.334	10.057	193	15.359	15.507	15.228
64	5.095	5.239	4.965	129	10.267	10.414	10.136	194	15.439	15.586	15.308
65	5.175	5.319	5.044	130	10.346	10.493	10.216	195	15.518	15.666	15.387
66	5.254	5.398	5.124	131	10.426	10.573	10.295	196	15.598	15.745	15.467
67	5.334	5.478	5.203	132	10.505	10.652	10.375	197	15.678	15.824	15.547
68	5.413	5.558	5.283	133	10.585	10.732	10.454	198	15.757	15.904	15.626
69	5.493	5.637	5.362	134	10.664	10.811	10.534	199	15.837	15.984	15.706
70	5.572	5.717	5.442	135	10.744	10.891	10.613	200	15.916	16.064	15.786

## SPROCKET DIAMETERS

No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter	No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter	No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter
5	0.638	0.741	0.407	71	8.478	8.694	8.276	136	16.235	16.456	16.035
6	0.750	0.875	0.550	72	8.597	8.814	8.397	137	16.355	16.575	16.154
7	0.864	1.004	0.643	73	8.717	8.933	8.514	138	16.474	16.695	16.274
8	0.980	1.130	0.780	74	8.836	9.053	8.636	139	16.593	16.814	16.392
9	1.097	1.256	0.880	75	8.955	9.172	8.753	140	16.713	16.934	16.513
10	1.214	1.379	1.014	76	9.074	9.292	8.874	141	16.832	17.053	16.631
11	1.331	1.502	1.117	77	9.194	9.411	8.992	142	16.952	17.172	16.752
12	1.449	1.625	1.249	78	9.313	9.531	9.113	143	17.071	17.292	16.870
13	1.567	1.746	1.356	79	9.432	9.650	9.231	144	17.190	17.411	16.990
14	1.685	1.868	1.485	80	9.552	9.770	9.352	145	17.309	17.531	17.108
15	1.804	1.989	1.594	81	9.671	9.889	9.469	146	17.429	17.650	17.229
16	1.922	2.110	1.722	82	9.791	10.008	9.591	147	17.548	17.769	17.347
17	2.041	2.231	1.832	83	9.910	10.128	9.708	148	17.667	17.889	17.467
18	2.160	2.352	1.960	84	10.029	10.247	9.829	149	17.787	18.008	17.586
19	2.279	2.472	2.071	85	10.148	10.367	9.947	150	17.906	18.128	17.706
20	2.397	2.593	2.197	86	10.268	10.486	10.068	151	18.026	18.247	17.825
21	2.516	2.713	2.309	87	10.387	10.605	10.285	152	18.145	18.366	17.945
22	2.635	2.833	2.435	88	10.506	10.725	10.306	153	18.264	18.486	18.063
23	2.754	2.954	2.548	89	10.626	10.844	10.424	154	18.384	18.605	18.184
24	2.873	3.074	2.673	90	10.745	10.964	10.545	155	18.503	18.724	18.302
25	2.992	3.194	2.786	91	10.865	11.083	10.663	156	18.623	18.844	18.423
26	3.111	3.314	2.911	92	10.984	11.202	10.784	157	18.742	18.963	18.541
27	3.230	3.434	3.025	93	11.103	11.322	10.902	158	18.861	19.082	18.661
28	3.349	3.553	3.149	94	11.223	11.441	11.023	159	18.981	19.202	18.780
29	3.468	3.673	3.263	95	11.342	11.561	11.140	160	19.100	19.321	18.900
30	3.588	3.793	3.388	96	11.461	11.680	11.261	161	19.219	19.440	19.018
31	3.707	3.913	3.502	97	11.581	11.799	11.379	162	19.338	19.560	19.138
32	3.826	4.032	3.626	98	11.700	11.919	11.500	163	19.458	19.679	19.257
33	3.945	4.152	3.741	99	11.819	12.038	11.618	164	19.577	19.799	19.377
34	4.064	4.272	3.864	100	11.939	12.158	11.739	165	19.697	19.918	19.496
35	4.184	4.392	3.979	101	12.058	12.277	11.856	166	19.816	20.037	19.616
36	4.303	4.511	4.103	102	12.177	12.396	11.977	167	19.935	20.090	19.734
37	4.422	4.631	4.218	103	12.297	12.516	12.095	168	20.055	20.276	19.855
38	4.541	4.751	4.341	104	12.416	12.635	12.216	169	20.174	20.396	19.973
39	4.661	4.870	4.457	105	12.536	12.755	12.334	170	20.294	20.515	20.094
40	4.780	4.990	4.580	106	12.655	12.874	12.455	171	20.413	20.634	20.212
41	4.899	5.109	4.695	107	12.774	12.993	12.573	172	20.532	20.754	20.332
42	5.018	5.229	4.818	108	12.893	13.113	12.693	173	20.652	20.873	20.451
43	5.138	5.349	4.934	109	13.013	13.232	12.811	174	20.771	20.993	20.571
44	5.257	5.468	5.057	110	13.132	13.352	12.932	175	20.890	21.112	20.689
45	5.376	5.588	5.173	111	13.251	13.471	13.050	176	21.010	21.231	20.810
46	5.495	5.707	5.295	112	13.371	13.590	13.171	177	21.129	21.351	20.928
47	5.615	5.827	5.411	113	13.490	13.710	13.289	178	21.248	21.470	21.048
48	5.734	5.946	5.534	114	13.610	13.829	13.410	179	21.368	21.589	21.167
49	5.853	6.066	5.650	115	13.729	13.949	13.528	180	21.487	21.709	21.287
50	5.972	6.186	5.772	116	13.848	14.068	13.648	181	21.606	21.828	21.406
51	6.092	6.305	5.889	117	13.968	14.187	13.766	182	21.726	21.948	21.526
52	6.211	6.425	6.011	118	14.087	14.307	13.887	183	21.845	22.067	21.644
53	6.330	6.544	6.127	119	14.206	14.426	14.005	184	21.965	22.186	21.765
54	6.449	6.663	6.249	120	14.326	14.546	14.126	185	22.084	22.306	21.883
55	6.569	6.783	6.366	121	14.445	14.665	14.244	186	22.203	22.425	22.003
56	6.688	6.903	6.488	122	14.564	14.784	14.364	187	22.323	22.544	22.122
57	6.807	7.022	6.605	123	14.684	14.904	14.482	188	22.442	22.664	22.242
58	6.927	7.142	6.727	124	14.803	15.023	14.603	189	22.561	22.783	22.360
59	7.046	7.261	6.843	125	14.922	15.143	14.721	190	22.681	22.902	22.481
60	7.165	7.380	6.965	126	15.042	15.262	14.842	191	22.800	23.022	22.599
61	7.285	7.500	7.082	127	15.161	15.381	14.960	192	22.919	23.141	22.719
62	7.404	7.619	7.204	128	15.281	15.501	15.081	193	23.039	23.261	22.838
64	7.643	7.859	7.443	130	15.519	15.740	15.319	195	23.277	23.499	23.177
65	7.762	7.978	7.560	131	15.639	15.859	15.437	196	23.397	23.619	23.197
66	7.881	8.097	7.681	132	15.758	15.978	15.558	197	23.516	23.738	23.315
67	8.001	8.217	7.798	133	15.877	16.098	15.676	198	23.636	23.858	23.436
68	8.120	8.336	7.920	134	15.996	16.217	15.796	199	23.755	23.977	23.554
69	8.239	8.456	8.037	135	16.116	16.337	15.915	200	23.874	24.096	23.674
70	8.358	8.575	8.158								

## SPROCKET DIAMETERS

No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter	No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter	No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter
5	0.851	0.988	0.497	71	11.304	11.592	10.988	136	21.647	21.941	21.334
6	1.000	1.166	0.688	72	11.463	11.752	11.151	137	21.806	22.100	21.492
7	1.152	1.338	0.812	73	11.622	11.911	11.306	138	21.965	22.259	21.653
8	1.307	1.507	0.995	74	11.781	12.070	11.468	139	22.124	22.419	21.810
9	1.462	1.674	1.127	75	11.940	12.229	11.625	140	22.284	22.578	21.971
10	1.618	1.839	1.305	76	12.099	12.389	11.786	141	22.442	22.737	22.129
11	1.775	2.003	1.444	77	12.258	12.548	11.943	142	22.602	22.896	22.289
12	1.932	2.166	1.614	78	12.417	12.707	12.105	143	22.761	23.055	22.447
13	2.089	2.328	1.761	79	12.576	12.866	12.261	144	22.920	23.214	22.607
14	2.247	2.490	1.934	80	12.736	13.026	12.423	145	23.079	23.374	22.765
15	2.405	2.652	2.079	81	12.895	13.185	12.580	146	23.238	23.533	22.926
16	2.563	2.814	2.250	82	13.054	13.344	12.742	147	23.398	23.692	23.088
17	2.721	2.974	2.397	83	13.213	13.503	12.898	148	23.557	23.851	23.244
18	2.879	3.136	2.567	84	13.372	13.663	13.059	149	23.716	24.010	23.402
19	3.038	3.292	2.715	85	13.531	13.822	13.216	150	23.875	24.170	23.562
20	3.196	3.457	2.883	86	13.690	13.981	13.373	151	24.034	24.329	23.720
21	3.355	3.618	3.033	87	13.849	14.140	13.534	152	24.193	24.488	23.880
22	3.513	3.778	3.201	88	14.009	14.299	13.696	153	24.352	24.647	24.038
23	3.672	3.938	3.351	89	14.168	14.459	13.853	154	24.512	24.806	24.199
24	3.831	4.098	3.518	90	14.327	14.618	14.014	155	24.672	24.965	24.357
25	3.989	4.258	3.669	91	14.486	14.777	14.171	156	24.830	25.124	24.517
26	4.148	4.418	3.835	92	14.645	14.936	14.332	157	24.989	25.284	24.675
27	4.307	4.578	3.987	93	14.804	15.096	14.489	158	25.148	25.443	24.835
28	4.465	4.738	4.153	94	14.963	15.255	14.651	159	25.307	25.602	24.993
29	4.625	4.898	4.305	95	15.122	15.414	14.808	160	25.466	25.761	25.154
30	4.783	5.057	4.471	96	15.282	15.573	14.969	161	25.625	25.920	25.312
31	4.942	5.217	4.623	97	15.441	15.732	15.126	162	25.785	26.080	25.472
32	5.101	5.376	4.788	98	15.600	15.892	15.287	163	25.944	26.239	25.630
33	5.260	5.536	4.941	99	15.759	16.051	15.445	164	26.103	26.398	25.790
34	5.419	5.696	5.107	100	15.918	16.210	15.605	165	26.262	26.557	25.948
35	5.578	5.856	5.260	101	16.077	16.369	15.763	166	26.421	26.716	26.109
36	5.737	6.015	5.424	102	16.236	16.528	15.924	167	26.581	26.876	26.266
37	5.896	6.174	5.578	103	16.395	16.688	16.081	168	26.739	27.035	26.427
38	6.055	6.334	5.742	104	16.555	16.847	16.242	169	26.899	27.194	26.585
39	6.214	6.494	5.896	105	16.714	17.006	16.399	170	27.058	27.353	26.745
40	6.373	6.653	6.061	106	16.873	17.165	16.561	171	27.217	27.512	26.903
41	6.532	6.812	6.214	107	17.032	17.324	16.717	172	27.376	27.671	27.063
42	6.691	6.972	6.328	108	17.191	17.484	16.878	173	27.535	27.831	27.221
43	6.850	7.132	6.532	109	17.351	17.643	17.036	174	27.694	27.990	27.382
44	7.009	7.291	6.696	110	17.509	17.802	17.197	175	27.854	28.149	27.540
45	7.168	7.450	6.851	111	17.668	17.962	17.304	176	28.013	28.308	27.700
46	7.327	7.609	7.014	112	17.827	18.121	17.515	177	28.172	28.467	27.858
47	7.486	7.769	7.169	113	17.987	18.280	17.672	178	28.331	28.626	28.018
48	7.645	7.928	7.332	114	18.146	18.439	17.834	179	28.490	28.786	28.176
49	7.804	8.088	7.487	115	18.305	18.598	17.991	180	28.649	28.945	28.337
50	7.963	8.248	7.650	116	18.464	18.757	18.151	181	28.808	29.104	28.495
51	8.122	8.406	7.805	117	18.623	18.916	18.309	182	28.968	28.263	28.655
52	8.281	8.566	7.968	118	18.782	19.076	18.470	183	29.127	29.422	28.813
53	8.440	8.725	8.124	119	18.941	19.235	18.627	184	29.286	29.581	28.973
54	8.599	8.884	8.286	120	19.101	19.394	18.788	185	29.445	29.741	29.131
55	8.758	9.044	8.442	121	19.260	19.553	18.946	186	29.604	29.900	29.291
56	8.917	9.204	8.605	122	19.419	19.712	19.106	187	29.763	30.059	29.450
57	9.077	9.362	8.760	123	19.578	19.872	19.264	188	29.922	30.218	29.610
58	9.235	9.522	8.873	124	19.737	20.031	19.425	189	30.082	30.387	29.768
59	9.395	9.682	9.078	125	19.896	20.190	19.582	190	30.241	30.536	29.928
60	9.554	9.840	9.241	126	20.056	20.349	19.743	191	30.400	30.696	30.086
61	9.713	10.000	9.397	127	20.215	20.508	19.900	192	30.559	30.855	30.246
62	9.872	10.159	9.559	128	20.374	20.667	20.061	193	30.718	31.014	30.404
63	10.031	10.319	9.715	129	20.533	20.827	20.219	194	30.877	31.173	30.565
64	10.190	10.478	9.872	130	20.692	20.986	20.379	195	31.037	31.332	30.723
65	10.349	10.637	10.033	131	20.851	21.145	20.537	196	31.196	31.491	30.878
66	10.508	10.796	10.195	132	21.010	21.304	20.698	197	31.355	31.651	31.042
67	10.667	10.955	10.352	133	21.169	21.463	20.855	198	31.514	31.810	31.202
68	10.826	11.115	10.514	134	21.329	21.623	21.016	199	31.673	31.969	31.359
69	10.985	11.274	10.670	135	21.488	21.782	21.174	200	31.832	32.128	31.520
70	11.145	11.433	10.832								

## SPROCKET DIAMETERS

No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter	No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter	No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter
5	1.063	1.235	0.611	71	14.129	14.491	13.726	136	27.059	27.426	26.659
6	1.250	1.458	0.850	72	14.329	14.690	13.929	137	27.258	27.626	26.856
7	1.441	1.673	1.104	73	14.528	14.889	14.124	138	27.457	27.824	27.057
8	1.633	1.884	1.233	74	14.726	15.088	14.326	139	27.656	28.024	27.254
9	1.828	2.093	1.400	75	14.925	15.287	14.522	140	27.854	28.223	27.454
10	2.023	2.299	1.623	76	15.124	15.486	14.724	141	28.053	28.421	27.652
11	2.219	2.504	1.796	77	15.323	15.685	14.920	142	28.253	28.621	27.853
12	2.415	2.708	2.015	78	15.522	15.884	15.122	143	28.451	28.819	28.050
13	2.612	2.911	2.193	79	15.721	16.083	15.318	144	28.650	29.018	28.250
14	2.809	3.113	2.409	80	15.919	16.283	15.519	145	28.849	28.218	28.447
15	3.006	3.315	2.590	81	16.119	16.481	15.715	146	29.048	29.416	28.608
16	3.204	3.517	2.804	82	16.318	16.681	15.918	147	29.247	29.615	28.845
17	3.401	3.718	2.987	83	16.516	16.879	16.113	148	29.446	29.814	29.046
18	3.599	3.919	3.199	84	16.715	17.079	16.315	149	29.645	30.013	29.243
19	3.798	4.121	3.384	85	16.914	17.278	16.511	150	29.844	30.213	29.444
20	3.995	4.321	3.595	86	17.113	17.476	16.713	151	30.043	30.411	29.641
21	4.194	4.522	3.782	87	17.312	17.676	16.909	152	30.241	30.610	29.841
22	4.392	4.722	3.992	88	17.511	17.874	17.111	153	30.441	30.809	30.039
23	4.590	4.923	4.179	89	17.709	18.074	17.307	154	30.639	31.008	30.239
24	4.788	5.123	4.388	90	17.909	18.273	17.509	155	30.838	31.207	30.437
25	4.987	5.323	4.577	91	18.108	18.472	17.705	156	31.038	31.406	30.638
26	5.185	5.523	4.785	92	18.306	18.671	17.906	157	31.236	31.605	30.835
27	5.384	5.723	4.975	93	18.505	18.870	18.103	158	31.435	31.804	31.035
28	5.582	5.922	5.182	94	18.704	19.069	18.304	159	31.634	32.003	31.233
29	5.781	6.122	5.371	95	18.903	19.268	18.501	160	31.833	32.202	31.433
30	5.979	6.321	5.579	96	19.102	19.467	18.702	161	32.032	32.401	31.630
31	6.178	6.521	5.770	97	19.301	19.666	18.898	162	32.231	32.600	31.831
32	6.376	6.721	5.967	98	19.500	19.865	19.100	163	32.430	32.799	32.028
33	6.575	6.921	6.168	99	19.699	20.064	19.296	164	32.629	32.998	32.229
34	6.774	7.120	6.374	100	19.898	20.263	19.498	165	32.828	33.197	32.426
35	6.973	7.319	6.565	101	20.096	20.462	19.694	166	33.027	33.396	32.627
36	7.171	7.519	6.771	102	20.296	20.661	19.896	167	33.226	33.595	32.824
37	7.370	7.718	6.963	103	20.494	20.860	20.092	168	33.424	33.794	33.024
38	7.569	7.918	7.169	104	20.693	21.059	20.293	169	33.624	33.993	33.222
39	7.768	8.117	7.361	105	20.893	21.258	20.490	170	33.823	34.192	33.423
40	7.966	8.316	7.566	106	21.091	21.457	20.691	171	34.021	34.391	33.620
41	8.165	8.516	7.759	107	21.290	21.656	20.888	172	34.220	34.589	33.820
42	8.364	8.715	7.964	108	21.489	21.855	21.089	173	34.419	34.789	34.018
43	8.563	8.914	8.157	109	21.688	22.054	21.286	174	34.618	34.988	34.218
44	8.761	9.114	8.361	110	21.887	22.253	21.487	175	34.817	35.186	34.416
45	8.960	9.313	8.554	111	22.086	22.452	21.684	176	35.016	35.386	34.616
46	9.159	9.512	8.759	112	22.284	22.651	21.884	177	35.215	35.584	34.814
47	9.358	9.711	8.952	113	22.484	22.850	22.081	178	35.414	35.783	35.014
48	9.556	9.911	9.156	114	22.683	23.049	22.283	179	35.613	35.983	35.211
49	9.755	10.110	9.350	115	22.881	23.248	22.479	180	35.812	36.181	35.412
50	9.954	10.309	9.554	116	23.080	23.447	22.680	181	36.011	36.380	35.609
51	10.153	10.508	9.748	117	23.279	23.646	22.827	182	36.209	36.579	35.809
52	10.351	10.708	9.951	118	23.478	23.845	23.078	183	36.409	36.778	36.007
53	10.550	10.907	10.146	119	23.677	24.044	23.275	184	36.608	36.977	36.208
54	10.749	11.106	10.349	120	23.876	24.243	23.476	185	36.806	37.176	36.405
55	10.948	11.305	10.543	121	24.075	24.442	23.673	186	37.005	37.375	36.605
56	11.147	11.504	10.747	122	24.274	24.641	23.874	187	37.204	37.574	36.803
57	11.346	11.703	10.941	123	24.473	24.840	24.071	188	37.403	37.773	37.003
58	11.544	11.903	11.144	124	24.672	25.039	24.272	189	37.602	37.972	37.201
59	11.743	12.102	11.339	125	24.871	25.238	24.469	190	37.801	38.171	37.401
60	11.942	12.301	11.542	126	25.069	25.437	24.669	191	38.000	38.370	37.599
61	12.141	12.500	11.737	127	25.269	25.636	24.867	192	38.199	38.569	37.799
62	12.340	12.699	11.940	128	25.468	25.834	25.068	193	38.398	38.768	37.998
63	12.539	12.898	12.135	129	25.666	26.034	25.264	194	38.597	38.967	38.197
64	12.738	13.098	12.338	130	25.865	26.233	25.465	195	38.796	39.166	38.394
65	12.936	13.296	12.533	131	26.064	26.432	25.662	196	38.994	39.364	38.594
66	13.135	13.496	12.735	132	26.263	26.631	25.863	197	39.194	39.564	38.792
67	13.334	13.694	12.930	133	26.462	26.829	26.060	198	39.393	39.763	38.993
68	13.533	13.894	13.133	134	26.661	27.029	26.261	199	39.591	39.961	39.190
69	13.732	14.093	13.328	135	26.860	27.228	26.458	200	39.791	40.161	39.391
70	13.931	14.292	13.531								

## SPROCKET DIAMETERS

No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter	No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter	No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter
5	1.276	1.482	0.745	71	16.955	17.389	16.482	136	32.471	32.912	32.002
6	1.500	1.749	1.031	72	17.195	17.628	16.726	137	32.709	33.151	32.238
7	1.729	2.007	1.216	73	17.433	17.867	16.960	138	32.948	33.389	32.479
8	1.960	2.261	1.491	74	17.672	18.106	17.203	139	33.187	33.629	32.716
9	2.193	2.511	1.691	75	17.910	18.344	17.437	140	33.425	33.867	32.956
10	2.427	2.759	1.958	76	18.149	18.584	17.680	141	33.664	34.106	33.193
11	2.663	3.005	2.166	77	18.388	18.822	17.915	142	33.903	34.345	33.434
12	2.898	3.249	2.429	78	18.626	19.061	18.157	143	34.142	34.583	33.670
13	3.134	3.493	2.642	79	18.865	19.300	18.392	144	34.380	34.822	33.911
14	3.371	3.736	2.902	80	19.103	19.539	18.634	145	34.619	35.061	34.148
15	3.608	3.978	3.119	81	19.343	19.778	18.870	146	34.858	35.300	34.389
16	3.845	4.220	3.380	82	19.581	20.017	19.112	147	35.096	35.538	34.625
17	4.082	4.462	3.595	83	19.820	20.255	19.347	148	35.335	35.777	34.866
18	4.319	4.703	3.850	84	20.058	20.495	19.589	149	35.574	36.016	35.103
19	4.557	4.945	4.072	85	20.297	20.733	19.824	150	35.813	36.255	35.344
20	4.794	5.186	4.325	86	20.536	20.972	20.067	151	36.051	36.494	35.580
21	5.033	5.426	4.549	87	20.774	21.211	20.302	152	36.390	36.732	35.821
22	5.270	5.666	4.801	88	21.013	21.449	20.544	153	36.529	36.971	36.058
23	5.508	5.907	5.026	89	21.251	21.689	20.779	154	36.767	37.210	36.298
24	5.746	6.147	5.277	90	21.491	21.927	21.022	155	37.006	37.448	36.535
25	5.984	6.387	5.503	91	21.729	22.166	21.257	156	37.245	37.688	36.776
26	6.222	6.627	5.753	92	21.968	22.405	21.499	157	37.484	37.926	37.013
27	6.461	6.867	5.980	93	22.206	22.644	21.734	158	37.722	38.165	37.253
28	6.698	7.106	6.229	94	22.445	22.883	21.976	159	37.961	38.404	37.490
29	6.937	7.346	6.458	95	22.684	23.121	22.212	160	38.200	38.642	37.731
30	7.175	7.586	6.706	96	22.922	23.360	22.453	161	38.438	38.881	37.968
31	7.413	7.826	6.935	97	23.162	23.599	22.689	162	38.677	39.120	38.208
32	7.652	8.065	7.183	98	23.400	23.838	22.931	163	38.916	39.359	38.445
33	7.890	8.305	7.412	99	23.639	24.077	23.167	164	39.155	39.597	38.686
34	8.129	8.544	7.660	100	23.877	24.316	23.408	165	39.393	39.836	38.922
35	8.367	8.783	7.889	101	24.116	24.554	23.644	166	39.632	40.075	39.163
36	8.606	9.023	8.137	102	24.355	24.793	23.886	167	39.871	40.314	39.400
37	8.844	9.262	8.367	103	24.593	25.032	24.121	168	40.109	40.553	39.640
38	9.083	9.501	8.614	104	24.832	25.271	24.363	169	40.349	40.791	39.877
39	9.321	9.740	8.844	105	25.071	25.510	24.599	170	40.587	41.030	40.118
40	9.560	9.980	9.091	106	25.310	25.748	24.841	171	40.826	41.269	40.355
41	9.798	10.219	9.321	107	25.548	25.987	25.076	172	41.064	41.507	40.595
42	10.037	10.458	9.568	108	25.787	26.226	25.318	173	41.303	41.747	40.832
43	10.275	10.697	9.799	109	26.026	26.465	25.554	174	41.542	41.985	41.073
44	10.514	10.937	10.045	110	26.264	26.704	25.795	175	41.780	42.224	41.310
45	10.752	11.176	10.276	111	26.503	26.942	26.031	176	42.020	42.463	41.551
46	10.991	11.414	10.522	112	26.741	27.181	26.272	177	42.258	42.701	41.787
47	11.229	11.654	10.754	113	26.981	27.420	26.507	178	42.497	42.940	42.028
48	11.468	11.893	10.999	114	27.219	27.659	26.750	179	42.735	43.179	42.265
49	11.706	12.132	11.231	115	27.458	27.898	26.986	180	42.974	43.418	42.505
50	11.945	12.371	11.476	116	27.696	28.136	27.227	181	43.213	43.656	42.742
51	12.183	12.610	11.708	117	27.935	28.375	27.464	182	43.451	43.895	42.982
52	12.422	12.849	11.953	118	28.174	28.614	27.705	183	43.691	44.134	43.220
53	12.660	13.088	12.186	119	28.412	28.853	27.941	184	43.929	44.372	43.460
54	12.899	13.327	12.430	120	28.652	29.091	28.183	185	44.168	44.612	43.697
55	13.137	13.566	12.663	121	28.890	29.330	28.418	186	44.406	44.850	43.937
56	13.376	13.805	12.907	122	29.129	29.569	28.660	187	44.645	45.089	44.174
57	13.615	14.044	13.140	123	29.367	29.808	28.896	188	44.884	45.328	44.415
58	13.853	14.283	13.384	124	29.606	30.047	29.137	189	45.122	45.566	44.652
59	14.092	14.522	13.618	125	29.845	30.285	29.373	190	45.362	46.905	44.893
60	14.330	14.761	13.861	126	30.083	30.524	29.614	191	45.600	46.044	45.129
61	14.570	15.000	14.095	127	30.323	30.763	29.851	192	45.839	46.283	45.370
62	14.808	15.239	14.339	128	30.561	31.001	30.092	193	46.077	46.521	45.607
63	15.047	15.478	14.573	129	30.800	31.241	30.328	194	46.316	46.760	45.847
64	15.285	15.717	14.816	130	31.038	31.479	30.569	195	46.555	46.999	46.084
65	15.524	15.956	15.050	131	31.277	31.718	30.806	196	46.793	47.237	46.324
66	15.762	16.195	15.293	132	31.516	31.957	31.047	197	47.033	47.477	46.562
67	16.001	16.433	15.528	133	31.754	32.195	31.283	198	47.271	47.715	46.802
68	16.240	16.673	15.771	134	31.993	32.435	31.524	199	47.510	47.954	47.039
69	16.478	16.911	16.005	135	32.232	32.673	31.761	200	47.749	48.193	47.280
70	16.717	17.150	16.248								



## SPROCKET DIAMETERS

No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter	No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter	No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter
5	1.701	1.976	0.993	71	22.607	23.185	21.977	136	43.294	43.882	42.669
6	2.000	2.332	1.375	72	22.926	23.504	22.301	137	43.612	44.201	42.984
7	2.305	2.676	1.622	73	23.244	23.822	22.613	138	43.931	44.519	43.306
8	2.613	3.014	1.988	74	23.562	24.141	22.937	139	44.249	44.838	43.621
9	2.924	3.348	2.254	75	23.880	24.459	23.250	140	44.567	45.156	43.942
10	3.236	3.678	2.611	76	24.198	24.778	23.573	141	44.885	45.474	44.258
11	3.550	4.006	2.888	77	24.517	25.096	23.887	142	45.204	45.793	44.579
12	3.864	4.332	3.239	78	24.835	25.415	24.210	143	45.522	46.111	44.894
13	4.179	4.657	3.523	79	25.153	25.733	24.523	144	45.840	46.429	45.215
14	4.494	4.981	3.869	80	25.471	26.052	24.846	145	46.158	46.748	45.531
15	4.810	5.304	4.158	81	25.790	26.370	25.160	146	46.477	47.066	45.852
16	5.126	5.627	4.501	82	26.108	26.689	25.483	147	46.795	47.384	46.167
17	5.442	5.949	4.794	83	26.426	27.007	25.796	148	47.113	47.703	46.488
18	5.759	6.271	5.134	84	26.744	27.326	26.119	149	47.432	48.021	46.804
19	6.076	6.593	5.430	85	27.062	27.644	26.433	150	47.750	48.340	47.125
20	6.392	6.914	5.767	86	27.381	27.962	26.756	151	48.068	48.658	47.441
21	6.710	7.235	6.066	87	27.699	28.281	27.069	152	48.386	48.976	47.761
22	7.027	7.555	6.402	88	28.017	28.599	27.392	153	48.705	49.295	48.077
23	7.344	7.876	6.702	89	28.335	28.918	27.706	154	49.023	49.613	48.398
24	7.661	8.196	7.036	90	28.654	29.236	28.029	155	49.341	49.931	48.714
25	7.979	8.516	7.338	91	28.972	29.555	28.343	156	49.660	50.250	49.035
26	8.296	8.836	7.671	92	29.290	29.873	28.665	157	49.978	50.568	49.351
27	8.614	9.156	7.974	93	29.608	30.192	28.979	158	50.296	50.886	49.671
28	8.931	9.475	8.306	94	29.927	30.510	29.302	159	50.615	51.205	49.987
29	9.249	9.795	8.611	95	30.245	30.828	29.616	160	50.933	51.523	50.308
30	9.567	10.114	8.942	96	30.563	31.147	29.938	161	51.251	51.841	50.624
31	9.884	10.434	9.247	97	30.882	31.465	30.252	162	51.569	52.160	50.944
32	10.202	10.753	9.577	98	31.200	31.784	30.575	163	51.888	52.478	51.260
33	10.520	11.073	9.883	99	31.518	32.102	30.889	164	52.206	52.796	51.581
34	10.838	11.392	10.213	100	31.836	32.421	31.211	165	52.524	53.115	51.897
35	11.156	11.711	10.520	101	32.154	32.739	31.526	166	52.843	53.433	52.218
36	11.474	12.030	10.849	102	32.473	33.057	31.848	167	53.161	53.752	52.533
37	11.792	12.349	11.156	103	32.791	33.376	32.162	168	53.479	54.070	52.854
38	12.110	12.668	11.485	104	33.109	33.694	32.484	169	53.798	54.388	53.170
39	12.428	12.987	11.792	105	33.428	34.013	32.799	170	54.116	54.707	53.491
40	12.746	13.306	12.121	106	33.746	34.331	33.121	171	54.434	55.025	53.807
41	13.064	13.625	12.429	107	34.064	34.649	33.435	172	54.752	55.343	54.127
42	13.382	13.944	12.757	108	34.382	34.968	33.757	173	55.071	55.662	54.443
43	13.700	14.263	13.065	109	34.701	35.286	34.072	174	55.389	55.980	54.764
44	14.018	14.582	13.393	110	35.019	35.605	34.394	175	55.707	56.298	55.080
45	14.336	14.901	13.702	111	35.337	35.923	34.709	176	56.026	56.617	55.401
46	14.654	15.219	14.029	112	35.655	36.241	35.030	177	56.344	56.935	55.717
47	14.972	15.538	14.338	113	35.974	36.560	35.345	178	56.662	57.253	56.037
48	15.290	15.857	14.665	114	36.292	36.878	35.667	179	56.980	57.572	56.353
49	15.608	16.176	14.975	115	36.610	37.197	35.982	180	57.299	57.890	56.674
50	15.926	16.495	15.301	116	36.928	37.515	36.303	181	57.617	58.208	56.990
51	16.244	16.813	15.611	117	37.247	37.833	36.618	182	57.935	58.527	57.310
52	16.562	17.132	15.937	118	37.565	38.152	36.940	183	58.254	58.845	57.626
53	16.880	17.451	16.248	119	37.883	38.470	37.255	184	58.572	59.163	57.947
54	17.198	17.769	16.573	120	38.202	38.788	37.577	185	58.890	59.482	58.263
55	17.516	18.088	16.884	121	38.520	39.107	37.892	186	59.208	59.800	58.583
56	17.835	18.407	17.210	122	38.838	39.425	38.213	187	59.527	60.118	58.900
57	18.153	18.725	17.521	123	39.156	39.744	38.528	188	59.845	60.437	59.220
58	18.471	19.044	17.746	124	39.475	40.062	38.850	189	60.163	60.755	59.536
59	18.789	19.363	18.157	125	39.793	40.380	39.165	190	60.482	61.073	59.857
60	19.107	19.681	18.482	126	40.111	40.699	39.486	191	60.800	61.392	60.173
61	19.426	20.000	18.794	127	40.430	41.017	39.801	192	61.118	61.710	60.493
62	19.744	20.318	19.119	128	40.748	41.335	40.123	193	61.436	62.028	60.809
63	20.062	20.637	19.431	129	41.066	41.654	40.438	194	61.755	62.347	61.130
64	20.380	20.956	19.755	130	41.384	41.972	40.759	195	62.073	62.665	61.447
65	20.698	21.274	20.067	131	41.703	42.291	41.075	196	62.391	62.983	61.756
66	21.016	21.593	20.391	132	42.021	42.609	41.396	197	62.710	63.302	62.083
67	21.335	21.911	20.704	133	42.339	42.927	41.711	198	63.028	63.620	62.403
68	21.653	22.230	21.028	134	42.657	43.246	42.032	199	63.346	63.938	62.719
69	21.971	22.548	21.340	135	42.976	43.564	42.348	200	63.665	64.257	63.040
70	22.289	22.867	21.664								

## SPROCKET DIAMETERS

No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter	No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter	No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter
5	2.126	2.470	1.273	71	28.259	28.981	27.502	136	54.118	54.853	53.368
6	2.500	2.915	1.750	72	28.658	29.380	27.908	137	54.515	55.251	53.762
7	2.881	3.345	2.059	73	29.055	29.778	28.298	138	54.914	55.649	54.164
8	3.266	3.768	2.516	74	29.453	30.176	28.703	139	55.311	56.048	54.558
9	3.655	4.185	2.849	75	29.850	30.574	29.094	140	55.709	56.445	54.959
10	4.045	4.598	3.295	76	30.248	30.973	29.498	141	56.106	56.843	55.353
11	4.438	5.008	3.639	77	30.646	31.370	29.890	142	56.505	57.241	55.755
12	4.830	5.415	4.080	78	31.044	31.769	30.294	143	56.903	57.639	56.149
13	5.224	5.821	4.435	79	31.441	32.166	30.685	144	57.300	58.036	56.550
14	5.618	6.226	4.868	80	31.839	32.565	31.089	145	57.698	58.435	56.945
15	6.013	6.630	5.229	81	32.238	32.963	31.481	146	58.096	58.833	57.346
16	6.408	7.034	5.658	82	32.635	33.361	31.885	147	58.484	59.230	57.741
17	6.803	7.436	6.024	83	33.033	33.759	32.277	148	58.891	59.629	58.141
18	7.199	7.839	6.449	84	33.430	34.158	32.680	149	59.290	60.026	58.536
19	7.595	8.241	6.819	85	33.828	34.555	33.072	150	59.688	60.425	58.938
20	7.990	8.643	7.240	86	34.226	34.953	33.476	151	60.085	60.823	59.332
21	8.388	9.044	7.613	87	34.624	35.351	33.868	152	60.483	61.220	59.733
22	8.784	9.444	8.034	88	35.134	35.749	34.384	153	60.881	61.619	60.128
23	9.180	9.845	8.409	89	35.419	36.148	34.664	154	61.279	62.016	60.529
24	9.576	10.245	8.827	90	35.818	36.545	35.068	155	61.676	62.414	60.924
25	9.974	10.645	9.204	91	36.215	36.944	35.460	156	62.075	62.813	61.325
26	10.370	11.045	9.620	92	36.613	37.341	35.863	157	62.473	63.210	61.719
27	10.768	11.445	9.999	93	37.010	37.740	36.255	158	62.870	63.608	62.120
28	11.164	11.844	10.414	94	37.409	38.138	36.659	159	63.269	64.006	62.515
29	11.561	12.244	10.794	95	37.806	38.535	37.051	160	63.666	64.404	62.916
30	11.959	12.643	11.209	96	38.204	38.934	37.454	161	64.064	64.801	63.311
31	12.355	13.043	11.590	97	38.603	39.331	37.847	162	64.461	65.200	63.711
32	12.753	13.441	12.003	98	39.000	39.730	38.250	163	64.860	65.598	64.107
33	13.150	13.841	12.385	99	39.398	40.128	38.643	164	65.258	65.995	64.508
34	13.548	14.240	12.798	100	39.795	40.526	39.045	165	65.655	66.394	64.902
35	13.945	14.639	13.181	101	40.193	40.924	39.438	166	66.054	66.791	65.304
36	14.343	15.038	13.593	102	40.591	41.321	39.841	167	66.451	67.190	65.698
37	14.740	15.436	13.976	103	40.989	41.720	40.234	168	66.849	67.588	66.099
38	15.138	15.835	14.388	104	41.386	42.118	40.636	169	67.248	67.985	66.494
39	15.535	16.234	14.772	105	41.785	42.516	41.030	170	67.645	68.384	66.895
40	15.933	16.633	15.183	106	42.183	42.914	41.433	171	68.043	68.781	67.290
41	16.330	17.031	15.567	107	42.580	43.311	41.826	172	68.440	69.179	67.690
42	16.728	17.430	15.978	108	42.978	43.710	42.228	173	68.839	69.578	68.086
43	17.125	17.829	16.363	109	43.376	44.108	42.621	174	69.236	69.975	68.486
44	17.523	18.228	16.773	110	43.774	44.506	43.024	175	69.634	70.373	68.881
45	17.920	18.626	17.159	111	44.171	44.904	43.420	176	70.033	70.771	69.283
46	18.318	19.024	17.568	112	44.569	45.301	43.819	177	70.430	71.169	69.677
47	18.715	19.423	17.954	113	44.968	45.700	44.213	178	70.828	71.566	70.078
48	19.113	19.821	18.363	114	45.365	46.098	44.615	179	71.225	71.965	70.473
49	19.510	20.220	18.750	115	45.763	46.496	45.009	180	71.624	72.363	70.874
50	19.908	20.619	19.158	116	46.160	46.894	45.410	181	72.021	72.760	71.269
51	20.305	21.016	19.546	117	46.559	47.291	45.804	182	72.419	73.159	71.669
52	20.703	21.415	19.953	118	46.956	47.690	46.206	183	72.818	73.556	72.064
53	21.100	21.814	20.341	119	47.354	48.088	46.600	184	73.215	73.954	72.465
54	21.498	22.211	20.748	120	47.753	48.485	47.003	185	73.613	74.353	72.860
55	21.895	22.610	21.137	121	48.150	48.884	47.396	186	74.010	74.750	73.260
56	22.294	23.009	21.544	122	48.548	49.281	47.798	187	74.409	75.148	73.656
57	22.691	23.406	21.932	123	48.945	49.680	48.192	188	74.806	75.546	74.056
58	23.089	23.805	22.339	124	49.344	50.078	48.594	189	75.204	75.944	74.452
59	23.486	24.204	22.728	125	49.741	50.475	48.987	190	75.603	76.341	74.853
60	23.884	24.601	23.134	126	50.139	50.874	49.389	191	76.000	76.740	75.247
61	24.283	25.000	23.524	127	50.538	51.271	49.783	192	76.398	77.138	75.648
62	24.680	25.398	23.930	128	50.935	51.669	50.185	193	76.795	77.535	76.043
63	25.078	25.796	24.320	129	51.333	52.068	50.579	194	77.194	77.934	76.444
64	25.475	26.195	24.725	130	51.730	52.465	50.980	195	77.591	78.331	76.839
65	25.873	26.593	25.115	131	52.129	52.864	51.375	196	77.989	78.729	77.239
66	26.270	26.991	25.520	132	52.526	53.261	51.776	197	78.388	79.128	77.635
67	26.669	27.389	25.911	133	52.924	53.659	52.170	198	78.785	79.525	78.035
68	27.066	27.788	26.316	134	53.321	54.058	52.571	199	79.183	79.923	78.430
69	27.464	28.185	26.707	135	53.720	54.455	52.966	200	79.581	80.321	78.831
70	27.861	28.584	27.111								



## SPROCKET DIAMETERS

No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter	No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter	No. Teeth	Pitch Diameter	Outside Diameter	Caliper Diameter
5	2.552	2.964	1.552	71	33.911	34.778	33.028	136	64.941	65.823	64.066
6	3.000	3.498	2.125	72	34.389	35.256	33.514	137	65.418	66.302	64.539
7	3.458	4.014	2.496	73	34.866	35.733	33.983	138	65.897	66.779	65.022
8	3.920	4.521	3.045	74	35.343	36.212	34.468	139	66.374	67.257	65.494
9	4.386	5.022	3.444	75	35.820	36.689	34.938	140	66.851	67.734	65.976
10	4.854	5.517	3.979	76	36.297	37.167	35.422	141	67.328	68.211	66.449
11	5.325	6.009	4.392	77	36.776	37.644	35.892	142	67.806	68.690	66.931
12	5.796	6.498	4.921	78	37.253	38.123	36.378	143	68.283	69.167	67.404
13	6.269	6.986	5.347	79	37.730	38.600	36.847	144	68.760	69.644	67.885
14	6.741	7.472	5.866	80	38.207	39.078	37.332	145	69.237	70.122	68.359
15	7.215	7.956	6.300	81	38.685	39.555	37.802	146	69.716	70.599	68.841
16	7.689	8.441	6.814	82	39.162	40.034	38.287	147	70.193	71.076	69.314
17	8.163	8.924	7.254	83	39.639	40.511	38.757	148	70.670	71.555	69.795
18	8.639	9.407	7.764	84	40.116	40.989	39.241	149	71.148	72.032	70.269
19	9.114	9.890	8.207	85	40.593	41.466	39.712	150	71.625	72.510	70.750
20	9.588	10.371	8.713	86	41.072	41.943	40.197	151	72.102	72.987	71.224
21	10.065	10.853	9.161	87	41.549	42.422	40.667	152	72.579	73.464	71.704
22	10.541	11.333	9.666	88	42.026	42.899	41.151	153	73.058	73.943	72.178
23	11.016	11.814	10.115	89	42.503	43.377	41.622	154	73.535	74.420	72.660
24	11.492	12.294	10.617	90	42.981	43.854	42.106	155	74.012	74.897	73.133
25	11.969	12.774	11.070	91	43.458	44.333	42.576	156	74.490	75.375	73.615
26	12.444	13.254	11.569	92	43.935	44.810	43.060	157	74.967	75.852	74.088
27	12.921	13.734	12.024	93	44.412	45.288	43.531	158	75.444	76.329	74.569
28	13.397	14.213	12.522	94	44.891	45.765	44.016	159	75.923	76.808	75.043
29	13.874	14.693	12.978	95	45.368	46.242	44.486	160	76.400	77.285	75.525
30	14.351	15.171	13.476	96	45.845	46.721	44.970	161	76.877	77.762	75.998
31	14.826	15.651	13.933	97	46.323	47.198	45.441	162	77.354	78.240	76.479
32	15.303	16.130	14.428	98	46.800	47.676	45.925	163	77.832	78.717	76.953
33	15.780	16.610	14.887	99	47.277	48.153	46.396	164	78.309	79.194	77.434
34	16.257	17.088	15.382	100	47.754	48.632	46.879	165	78.786	79.673	77.908
35	16.734	17.567	15.842	101	48.231	49.109	47.351	166	79.265	80.150	78.390
36	17.211	18.045	16.336	102	48.710	49.586	47.835	167	79.742	80.628	78.863
37	17.688	18.524	16.797	103	49.187	50.064	48.306	168	80.219	81.105	79.344
38	18.165	19.002	17.290	104	49.664	50.541	48.789	169	80.697	81.582	79.818
39	18.642	19.481	17.751	105	50.142	51.020	49.261	170	81.174	82.061	80.299
40	19.119	19.959	18.244	106	50.619	51.497	49.744	171	81.651	82.538	80.773
41	19.596	20.438	18.706	107	51.096	51.974	50.216	172	82.128	83.015	81.253
42	20.073	20.916	19.198	108	51.573	52.452	50.698	173	82.607	83.493	81.728
43	20.550	21.395	19.661	109	52.052	52.929	51.171	174	83.084	83.970	82.209
44	21.027	21.873	20.152	110	52.529	53.408	51.654	175	83.561	84.447	82.683
45	21.504	22.352	20.615	111	53.006	53.885	52.125	176	84.039	84.926	83.164
46	21.981	22.829	21.106	112	53.483	54.362	52.608	177	84.501	85.403	83.637
47	22.458	23.307	21.570	113	53.961	54.840	53.080	178	84.993	85.880	84.118
48	22.935	23.786	22.060	114	54.438	55.317	53.563	179	85.470	86.358	84.592
49	23.412	24.264	22.525	115	54.915	55.796	54.035	180	85.949	86.835	85.074
50	23.889	24.743	23.014	116	55.392	56.273	54.517	181	86.426	87.312	85.547
51	24.366	25.220	23.480	117	55.871	56.750	54.990	182	86.903	87.791	86.028
52	24.843	25.698	23.968	118	56.348	57.228	55.473	183	87.381	88.268	86.502
53	25.320	26.177	24.434	119	56.825	57.705	55.945	184	87.858	88.745	86.983
54	25.797	26.654	24.922	120	57.303	58.182	56.428	185	88.335	89.223	87.457
55	26.274	27.132	25.389	121	57.780	58.661	56.900	186	88.812	89.700	87.937
56	26.753	27.611	25.878	122	58.257	59.138	57.382	187	89.291	90.177	88.412
57	27.230	28.088	26.344	123	58.734	59.616	57.855	188	89.768	90.656	88.893
58	27.707	28.566	26.832	124	59.213	60.093	58.338	189	90.245	91.133	89.367
59	28.184	29.045	27.299	125	59.690	60.570	58.810	190	90.723	91.610	89.848
60	28.661	29.522	27.786	126	60.167	61.049	59.292	191	91.200	92.088	90.322
61	29.139	30.000	28.254	127	60.645	61.526	59.765	192	91.677	92.565	90.802
62	29.616	30.477	28.741	128	61.122	62.003	60.247	193	92.154	93.042	91.277
63	30.093	30.956	29.208	129	61.599	62.481	60.720	194	92.633	93.521	91.758
64	30.570	31.434	29.695	130	62.076	62.958	61.201	195	93.110	93.998	92.232
65	31.047	31.911	30.163	131	62.555	63.437	61.674	196	93.587	94.475	92.712
66	31.524	32.390	30.649	132	63.032	63.914	62.157	197	94.065	94.953	93.187
67	32.003	32.867	31.118	133	63.509	64.391	62.629	198	94.542	95.430	93.667
68	32.480	33.345	31.605	134	63.986	64.869	63.111	199	95.019	95.907	94.141
69	32.957	33.822	32.073	135	64.464	65.346	63.584	200	95.498	96.386	94.623
70	33.434	34.301	32.559								

## CHAIN DRIVE ENGINEERING

<b>SPEED RATIOS FOR SPROCKET COMBINATIONS</b>																		
<b>DRIVER SPROCKET TEETH</b>																		
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
<b>DRIVEN SPROCKET TEETH</b>	9	1.00																
	10	1.11	1.00															
	11	1.22	1.10	1.00														
	12	1.33	1.20	1.09	1.00													
	13	1.44	1.30	1.18	1.08	1.00												
	14	1.56	1.40	1.27	1.17	1.08	1.00											
	15	1.67	1.50	1.36	1.25	1.15	1.07	1.00										
	16	1.78	1.60	1.45	1.33	1.23	1.14	1.07	1.00									
	17	1.89	1.70	1.55	1.42	1.31	1.21	1.13	1.06	1.00								
	18	2.00	1.80	1.64	1.50	1.38	1.29	1.20	1.13	1.06	1.00							
	19	2.11	1.90	1.73	1.58	1.46	1.36	1.27	1.19	1.12	1.06	1.00						
20	2.22	2.00	1.82	1.67	1.54	0.43	1.33	1.25	1.18	1.11	1.05	1.00						
21	2.33	2.10	1.91	1.75	1.61	1.50	1.40	1.31	1.23	1.17	1.10	1.05	1.00					
22	2.44	2.20	2.00	1.83	1.69	1.57	1.47	1.38	1.29	1.22	1.16	1.10	1.05	1.00				
23	2.56	2.30	2.09	1.92	1.77	1.64	1.53	1.44	1.35	1.28	1.21	1.15	1.09	1.04	1.00			
24	2.67	2.40	2.18	2.00	1.85	1.71	1.60	1.50	1.41	1.33	1.26	1.20	1.14	1.09	1.04	1.00		
25	2.78	2.50	2.27	2.08	1.92	1.79	1.67	1.56	1.47	1.39	1.32	1.25	1.19	1.14	1.09	1.04	1.00	
26	2.89	2.60	2.36	2.17	2.00	1.86	1.73	1.63	1.53	1.45	1.37	1.30	1.24	1.18	1.13	1.08	1.04	1.00
27	3.00	2.70	2.45	2.25	2.08	1.93	1.80	1.69	1.59	1.50	1.42	1.35	1.29	1.23	1.17	1.12	1.08	1.04
28	3.11	2.80	2.54	2.33	2.15	2.00	1.87	1.75	1.65	1.56	1.47	1.40	1.33	1.27	1.22	1.17	1.12	1.08
29	3.22	2.90	2.64	2.42	2.23	2.07	1.93	1.81	1.71	1.61	1.53	1.45	1.38	1.32	1.26	1.21	1.16	1.12
30	3.33	3.00	2.73	2.50	2.31	2.14	2.00	1.88	1.76	1.67	1.58	1.50	1.43	1.36	1.31	1.25	1.20	1.15
31	3.44	3.10	2.82	2.58	2.38	2.21	2.07	1.94	1.82	1.72	1.63	1.55	1.48	1.41	1.35	1.29	1.24	1.19
32	3.56	3.20	2.91	2.67	2.46	2.28	2.13	2.00	1.88	1.78	1.68	1.60	1.52	1.45	1.39	1.33	1.28	1.23
33	3.67	3.30	3.00	2.75	2.54	2.36	2.20	2.06	1.94	1.83	1.74	1.65	1.57	1.50	1.43	1.38	1.32	1.27
34	3.78	3.40	3.09	2.83	2.62	2.43	2.27	2.13	2.00	1.89	1.79	1.70	1.62	1.55	1.48	1.42	1.36	1.31
35	3.89	3.50	3.18	2.92	2.69	2.50	2.33	2.19	2.06	1.95	1.84	1.75	1.67	1.59	1.52	1.46	1.40	1.34
36	4.00	3.60	3.27	3.00	2.77	2.57	2.40	2.25	2.12	2.00	1.89	1.80	1.71	1.63	1.57	1.50	1.44	1.38
37	4.11	3.70	3.36	3.08	2.85	2.64	2.47	2.31	2.18	2.06	1.95	1.85	1.76	1.68	1.61	1.54	1.48	1.42
38	4.22	3.80	3.45	3.17	2.92	2.71	2.53	2.38	2.24	2.11	2.00	1.90	1.81	1.73	1.65	1.58	1.52	1.46
39	4.33	3.90	3.55	3.25	3.00	2.79	2.60	2.44	2.29	2.17	2.05	1.95	1.86	1.77	1.70	1.63	1.56	1.50
40	4.44	4.00	3.64	3.33	3.08	2.86	2.67	2.50	2.35	2.22	2.10	2.00	1.90	1.82	1.74	1.67	1.60	1.54
41	4.56	4.10	3.73	3.42	3.15	2.93	2.73	2.56	2.41	2.28	2.16	2.05	1.95	1.86	1.78	1.71	1.64	1.58
42	4.67	4.20	3.82	3.50	3.23	3.00	2.80	2.63	2.47	2.34	2.21	2.10	2.00	1.91	1.83	1.75	1.68	1.61
43	4.78	4.30	3.91	3.58	3.31	3.07	2.87	2.69	2.53	2.39	2.26	2.15	2.05	1.95	1.87	1.79	1.72	1.65
44	4.89	4.40	4.00	3.67	3.39	3.14	2.93	2.75	2.59	2.44	2.32	2.20	2.10	2.00	1.91	1.83	1.76	1.69
45	5.00	4.50	4.09	3.75	3.46	3.21	3.00	2.81	2.65	2.50	2.37	2.25	2.14	2.04	1.96	1.88	1.80	1.73
46	5.11	4.60	4.18	3.83	3.54	3.29	3.07	2.88	2.71	2.56	2.42	2.30	2.19	2.09	2.00	1.92	1.84	1.77
47	5.22	4.70	4.27	3.92	3.62	3.36	3.13	2.94	2.76	2.61	2.47	2.35	2.24	2.14	2.04	1.96	1.88	1.81
48	5.33	4.80	4.36	4.00	3.69	3.43	3.20	3.00	2.82	2.67	2.52	2.40	2.28	2.18	2.09	2.00	1.92	1.84
49	5.44	4.90	4.45	4.08	3.77	3.50	3.27	3.06	2.88	2.72	2.58	2.45	2.33	2.23	2.13	2.04	1.96	1.88
50	5.56	5.00	4.55	4.17	3.85	3.57	3.33	3.13	2.94	2.78	2.63	2.50	2.38	2.27	2.17	2.08	2.00	1.92
51	5.67	5.10	4.64	4.25	3.92	3.64	3.40	3.19	3.00	2.83	2.68	2.55	2.43	2.32	2.22	2.13	2.04	1.96
52	5.78	5.20	4.73	4.33	4.00	3.71	3.47	3.25	3.06	2.89	2.74	2.60	2.48	2.36	2.26	2.17	2.08	2.00
53	5.89	5.30	4.82	4.42	4.08	3.79	3.53	3.31	3.12	2.94	2.79	2.65	2.52	2.41	2.30	2.21	2.12	2.04
54	6.00	5.40	4.91	4.50	4.15	3.86	3.60	3.38	3.18	3.00	2.84	2.70	2.57	2.45	2.35	2.25	2.16	2.07
55	6.11	5.50	5.00	4.58	4.23	3.93	3.67	3.44	3.24	3.06	2.90	2.75	2.62	2.50	2.39	2.29	2.20	2.12
56	6.22	5.60	5.09	4.67	4.31	4.00	3.73	3.50	3.29	3.11	2.95	2.80	2.67	2.55	2.43	2.33	2.24	2.15
57	6.33	5.70	5.18	4.75	4.38	4.07	3.80	3.56	3.35	3.17	3.00	2.85	2.71	2.59	2.48	2.38	2.28	2.19
58	6.44	5.80	5.27	4.83	4.46	4.14	3.87	3.63	3.41	3.22	3.05	2.90	2.76	2.64	2.52	2.42	2.32	2.23
59	6.56	5.90	5.36	4.92	4.54	4.21	3.93	3.69	3.47	3.28	3.11	2.95	2.81	2.68	2.57	2.46	2.36	2.27
60	6.67	6.00	5.45	5.00	4.61	4.28	4.00	3.75	3.53	3.34	3.16	3.00	2.86	2.72	2.61	2.50	2.40	2.30
68	7.55	6.80	6.18	5.66	5.23	4.86	4.54	4.25	4.00	3.78	3.58	3.40	3.24	3.09	2.96	2.84	2.72	2.61
70	7.78	7.00	6.36	5.83	5.38	5.00	4.67	4.38	4.12	3.89	3.68	3.50	3.33	3.18	3.05	2.92	2.80	2.69
72	8.00	7.20	6.54	6.00	5.54	5.14	4.80	4.50	4.24	4.00	3.79	3.60	3.43	3.27	3.13	3.00	2.88	2.77
76			6.91	6.33	5.84	5.43	5.07	4.75	4.47	4.23	4.00	3.80	3.62	3.45	3.31	3.17	3.04	2.92
80			7.27	6.66	6.15	5.71	5.34	5.00	4.70	4.45	4.21	4.00	3.81	3.63	3.48	3.34	3.20	3.07
84				7.00	6.46	6.00	5.60	5.25	4.94	4.67	4.42	4.20	4.00	3.81	3.65	3.50	3.36	3.23
95					7.31	6.78	6.33	5.94	5.59	5.28	5.00	4.75	4.52	4.32	4.13	3.96	3.80	3.65
96					7.38	6.85	6.40	6.00	5.64	5.34	5.05	4.80	4.57	4.36	4.18	4.00	3.84	3.69
102						7.28	6.80	6.38	6.00	5.67	5.37	5.10	4.86	4.63	4.44	4.25	4.08	3.92
112								7.00	6.59	6.23	5.89	5.60	5.33	5.08	4.87	4.67	4.48	4.30

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## STANDARD SPECIFICATIONS

### TERMINOLOGY

#### OUTSIDE DIAMETER

The outside diameter is the diameter over the tips of the teeth. The outside diameter of a sprocket is not critical since the tooth length above the sprocket pitch is not an important factor in the operation of the chains and sprockets.

#### PITCH DIAMETER

The pitch diameter of a sprocket is a fixed, theoretical dimension used in engineering calculations. It is a circle traced by the path of the chain pin centers as the chain travels around the sprockets.

#### CALIPER DIAMETER

The caliper diameter is the same as the bottom diameter of a sprocket with an even number of teeth. For a sprocket with an odd number of teeth, it is defined as the distance from the bottom of one tooth gap to that of the nearest opposite tooth gap.

#### BORE DIAMETER

Bore diameters held to proper tolerances are essential to sprocket quality and performance. Excessive clearance between the sprocket bores and shafts may cause eccentricity, side-weave, or run-out. Thus, reducing chain drive life. Negative clearances usually cause trouble in assembly or removal of sprockets from shafts.

Bores with close tolerances for special applications, such as drive shaft fits, bearing seats, etc., can be supplied when necessary and at a moderate increase in price. When required, sprockets can be furnished with tapered, stepped, grooved, or honed bores.

Maximum bores, as listed in this catalog for stock sprockets, are limited by the need for a hub wall of sufficient thickness to accept a standard keyway and setscrew. However, these maximum sizes are not recommended for severe service conditions. In such cases, we suggest the use of special sprockets designed for the job.

#### HUB DIAMETER

Maximum hub diameters are limited in size according to the amount of chain clearance required. When necessary, and to accommodate large bore sizes, the hub diameter can be increased by recessing the hub next to the sprocket teeth.

#### HUB LENGTH

This is the distance through the bore measured between the end surfaces of the hub. The hub length must be sufficiently long to ensure sprocket stability on the shaft.

Hub projection is the distance measured from the inside surface of the sprocket plate to the hub end. The projection should be long enough to provide for a setscrew in the hub. On Type C sprockets, with offset hubs not centrally positioned, the more important hub projection should be specified. Unless otherwise specified, Type C sprockets are manufactured with a central hub with equal projection from either side of the plate surface.

#### REBORING SPROCKETS

To permit reborning or other machining operations the hubs and bores of Van Zeeland Manufacturing, Inc. stock sprockets are not hardened. This also includes flexible couplings and multiple width sprockets that are stocked with hardened teeth.

When reborning, center the sprocket in a lathe chuck, using the bottom diameter for reference. Do not chuck the sprocket on the hub or outside diameter; instead, insert pins between the sprocket teeth and chuck on the pins. These pins should be the same diameter as the corresponding chain roller diameter for each sprocket pitch.

Sprocket tooth forms, thickness, profiles, and diameters conform to ANSI standards. For maximum service life or if small sprockets operate at moderate to high speeds near rated horsepower limits, they should have hardened teeth.

**For standard roller chains**, 19 to 21-tooth sprockets will produce the greatest life expectancy and smoothest operation. On slow speed, special purpose installations or where space is limited, sprockets with fewer than 15 teeth may be used. The recommended maximum number of sprocket teeth is 120.

Small sprockets of 17 teeth or fewer should preferably be made of steel. For speeds greater than 600 RPM, hardened sprockets will extend service life.

**For conveyor chains**, use sprockets with the greatest practical number of teeth (ideally no fewer than 15 effective teeth) for smoothest operation and longest life. Sprockets having 17 teeth or fewer should be made of steel. If the conveyor is exposed to abrasive conditions, use hardened tooth sprockets to extend service life.

## DECIMAL EQUIVALENTS

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# **Van Zeeland** **Manufacturing, Inc.**

## **MAIN OFFICE & PLANT**

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