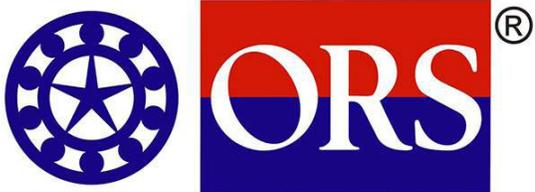
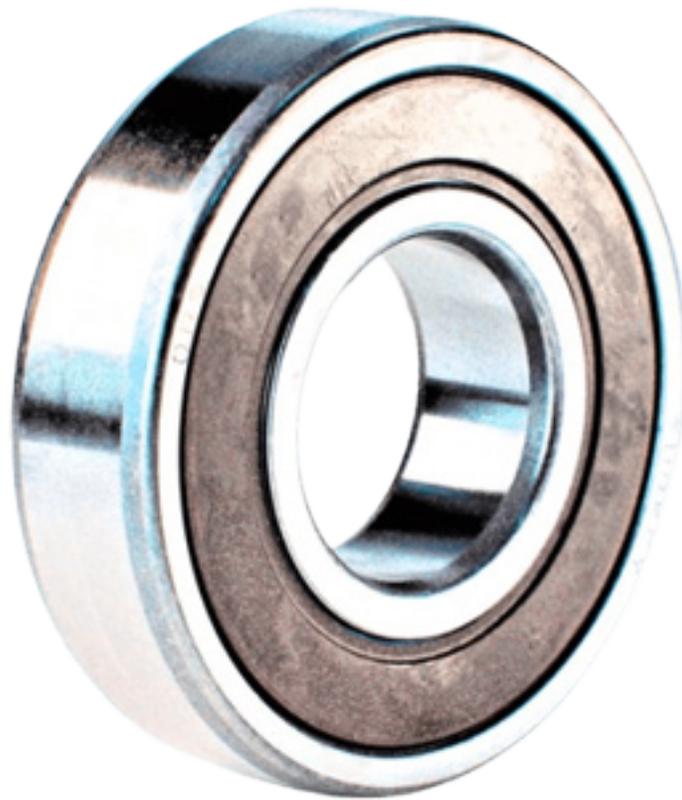


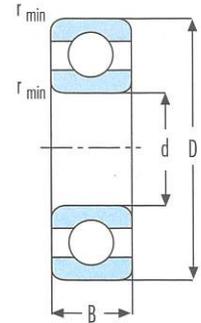
# ORS Bearing Tables



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**GMN Bearing USA**

# Deep Groove Ball Bearings

## Thin Series 16000

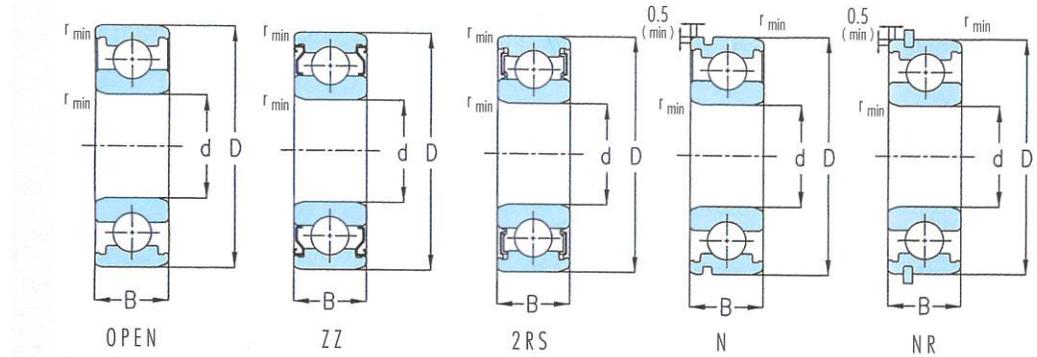


Bearing Type	Dimensions				Load Rating		Speed Limit	
	d (mm)	D (mm)	B (mm)	r <sub>min</sub> (mm)	C <sub>ISO</sub> (kN)	C <sub>0,ISO</sub> (kN)	Grease n <sub>g</sub> (1/min)	Oil
16002	15	32	8	0.3	5.59	2.84	22 000	28 000
16003	17	35	8	0.3	6.00	3.25	20 000	25 000
16004	20	42	8	0.3	7.91	4.48	16 500	21 000
16005	25	47	8	0.3	8.86	5.61	14 000	18 000
16006	30	55	9	0.3	11.22	7.39	12 000	15 000
16007	35	62	9	0.3	12.22	8.84	10 500	13 000
16008	40	68	9	0.3	12.62	9.65	9 500	12 000
16009	45	75	10	0.6	15.54	12.25	8 500	10 500
16010	50	80	10	0.6	15.99	13.23	8 000	10 000
16011	55	90	11	0.6	19.35	16.31	7 100	9 000
16012	60	95	11	0.6	19.86	17.57	6 700	8 000
16013	65	100	11	0.6	17.15	15.93	6 300	7 500
16014	70	110	13	0.6	26.79	23.55	5 700	6 800
16015	75	115	13	0.6	27.50	25.31	5 400	6 500
16016	80	125	14	0.6	31.73	29.72	5 000	6 000
16017	85	130	14	0.6	32.64	31.55	4 800	5 700
16018	90	140	16	1	39.85	36.96	4 500	5 400

# Deep Groove Ball Bearings

## Series 6000

- 6000 Z
- 6000 ZZ
- 6000 RS
- 6000 2RS
- 6000 N
- 6000 ZN
- 6000 ZZN

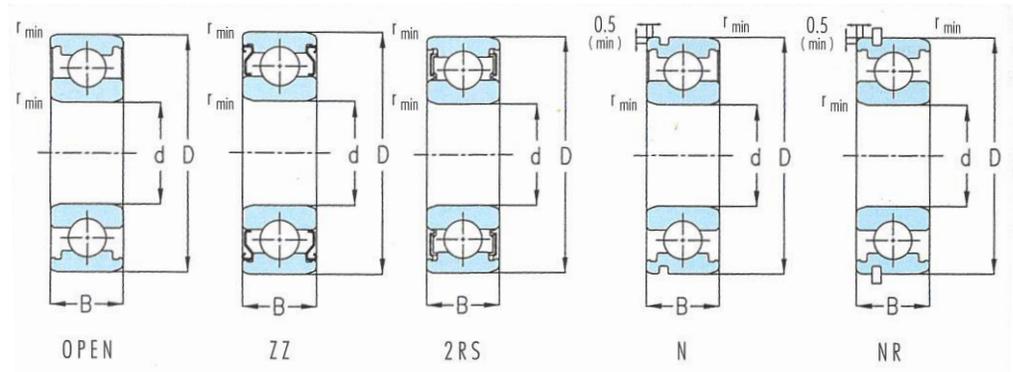


Bearing Type	Dimensions				Load Rating		Speed Limit	
	d (mm)	D (mm)	B (mm)	r <sub>min</sub> (mm)	C <sub>ISO</sub> (kN)	C <sub>0,ISO</sub> (kN)	Grease n <sub>g</sub> (1/min)	Oil
6000	10	26	8	0.3	4.58	1.97	28 500	35 000
6001	12	28	8	0.3	5.10	2.37	25 500	32 000
6002	15	32	9	0.3	5.59	2.84	22 000	28 000
6003	17	35	10	0.3	6.00	3.25	20 000	25 000
6004	20	42	12	0.6	9.38	5.03	16 500	20 000
6005	25	47	12	0.6	10.07	5.83	14 500	18 000
6006	30	55	13	1.0	13.23	8.28	12 000	15 000
6007	35	62	14	1.0	15.98	10.28	10 500	13 000
6008	40	68	15	1.0	16.77	11.55	9 500	12 000
6009	45	75	16	1.0	20.98	15.15	8 500	10 500
6010	50	80	16	1.0	21.79	16.58	8 000	10 000
6011	55	90	18	1.1	28.27	21.25	7 200	9 000
6012	60	95	18	1.1	29.44	23.16	6 700	8 000
6013	65	100	18	1.1	30.54	25.15	6 300	7 500
6014	70	110	20	1.1	38.05	30.87	5 700	6 800
6015	75	115	20	1.1	39.52	33.47	5 400	6 500
6016	80	125	22	1.1	47.64	39.68	5 000	6 000
6017	85	130	22	1.1	49.53	42.98	4 800	5 800
6018	90	140	24	1.5	58.16	49.60	4 500	5 400
6019	95	145	24	1.5	60.36	53.87	4 300	5 200
6020	100	150	24	1.5	60.14	54.18	4 100	4 900
6021	105	160	26	2.0	72.30	65.77	3 900	4 700
6022	110	170	28	2.0	81.97	72.75	3 700	4 400
6024	120	180	28	2.0	84.94	79.23	3 400	4 000
6026	130	200	33	2.0	106.35	100.61	3 100	3 700
6028	140	210	33	2.0	109.99	108.64	2 800	3 300

# Deep Groove Ball Bearings

## Series 6200

- 6200 Z
- 6200 ZZ
- 6200 RS
- 6200 2RS
- 6200 N
- 6200 ZN
- 6200 ZZN

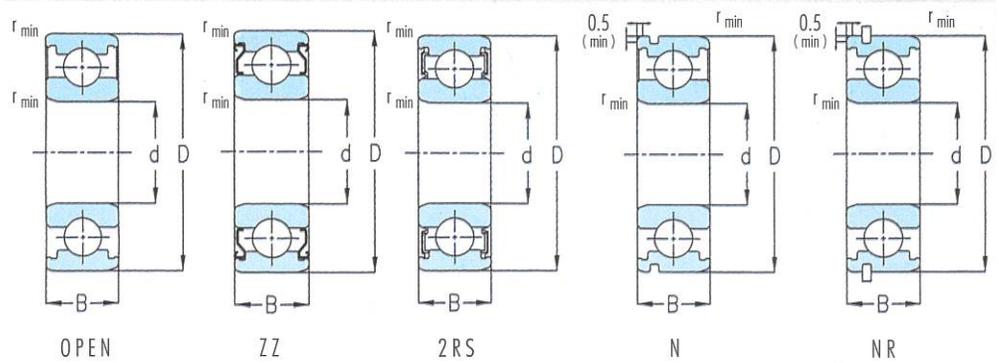


Bearing Type	Dimensions				Load Rating		Speed Limit	
	d (mm)	D (mm)	B (mm)	r <sub>min</sub> (mm)	C <sub>ISO</sub> (kN)	C <sub>0,ISO</sub> (kN)	Grease n <sub>g</sub> (1/min)	Oil (1/min)
6200	10	30	9	0.6	5.97	2.63	24 000	30 000
6201	12	32	10	0.6	6.89	3.09	22 000	28 000
6202	15	35	11	0.6	7.73	3.76	19 000	24 000
6203	17	40	12	0.6	9.55	4.76	17 000	21 000
6204	20	47	14	1	12.79	6.58	14 000	17 000
6205	25	52	15	1	14.02	7.88	12 000	14 500
6206	30	62	16	1	19.45	11.26	10 000	12 500
6207	35	72	17	1.1	25.67	15.30	8 800	11 000
6208	40	80	18	1.1	29.11	17.90	7 800	9 500
6209	45	85	19	1.1	32.71	20.46	7 300	8 800
6210	50	90	20	1.1	35.07	23.18	6 600	8 300
6211	55	100	21	1.5	43.38	29.22	6 100	7 500
6212	60	110	22	1.5	52.42	36.17	5 400	6 700
6213	65	120	23	1.5	57.21	40.00	5 000	6 200
6214	70	125	24	1.5	62.19	43.99	4 700	5 800
6215	75	130	25	1.5	67.36	48.18	4 400	5 400
6216	80	140	26	2	72.67	53.00	4 200	5 200
6217	85	150	28	2	83.97	61.89	3 900	4 800
6218	90	160	30	2	95.98	71.45	3 700	4 500
6219	95	170	32	2.1	108.70	81.70	3 500	4 300
6220	100	180	34	2.1	122.11	92.88	3 300	4 000
6222	110	200	38	2.1	144.05	117.25	3 000	3 600
6224	120	215	40	2.1	155.30	131.13	2 600	3 200
6226	130	230	40	3	166.78	146.25	2 300	2 800

# Deep Groove Ball Bearings

## Series 6300

- 6300 Z
- 6300 ZZ
- 6300 RS
- 6300 2RS
- 6300 N
- 6300 ZN
- 6300 ZZN

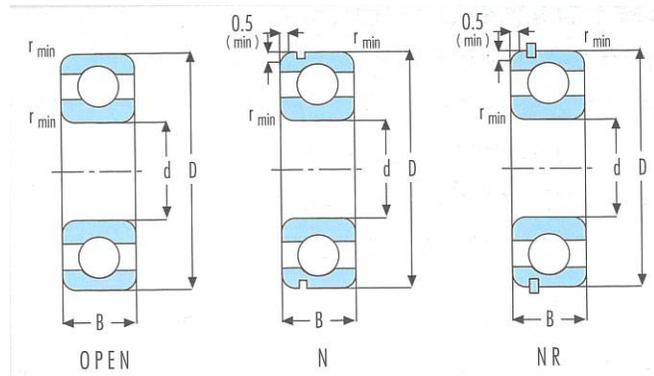


Bearing Type	Dimensions				Load Rating		Speed Limit	
	d (mm)	D (mm)	B (mm)	r <sub>min</sub> (mm)	C <sub>ISO</sub> (kN)	C <sub>0,ISO</sub> (kN)	Grease n <sub>g</sub> (1/min)	Oil
6300	10	35	11	0.6	8.10	3.44	20 000	25 000
6301	12	37	12	1	9.71	4.19	18 500	23 000
6302	15	42	13	1	11.33	5.35	15 500	20 000
6303	17	47	14	1	13.63	6.62	14 000	17 000
6304	20	52	15	1.1	15.94	7.88	12 000	15 000
6305	25	62	17	1.1	23.62	12.13	10 000	12 000
6306	30	72	19	1.1	28.16	15.82	8 400	10 000
6307	35	80	21	1.5	33.32	19.15	7 300	9 000
6308	40	90	23	1.5	40.72	23.94	6 700	8 000
6309	45	100	25	1.5	52.77	31.67	5 900	7 100
6310	50	110	27	2	62.00	38.19	5 300	6 500
6311	55	120	29	2	71.48	44.58	4 800	6 000
6312	60	130	31	2.1	81.85	52.04	4 500	5 500
6313	64	140	33	2.1	92.64	59.67	4 200	5 000
6314	70	150	35	2.1	104.13	68.04	3 800	4 500
6315	75	160	37	2.1	113.42	76.96	3 600	4 200
6316	80	170	39	2.1	122.94	86.50	3 400	4 000
6317	85	180	41	3	132.67	96.58	3 200	3 800
6318	90	190	43	3	142.61	107.23	3 000	3 600
6319	95	200	45	3	152.74	118.42	2 800	3 400
6320	100	215	47	3	173.17	140.89	2 600	3 200
6322	110	240	50	3	205.36	179.35	2 300	2 800

# Deep Groove Ball Bearings

Series 6400

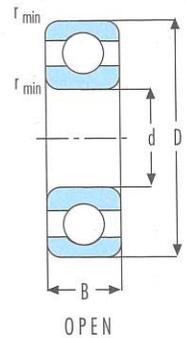
6400 N



Bearing Type	Dimensions				Load Rating		Speed Limit	
	d (mm)	D (mm)	B (mm)	r <sub>min</sub> (mm)	C <sub>ISO</sub> (kN)	C <sub>0,ISO</sub> (kN)	Grease n <sub>g</sub> (1/min)	Oil n <sub>g</sub> (1/min)
6405	25	80	21	1.5	36.12	19.45	8 500	10 000
6408	40	110	27	2	63.71	36.58	6 000	7 100
6409	45	120	29	2	77.21	45.20	5 600	6 700
6410	50	130	31	2.1	83.05	49.37	5 000	6 000

# Deep Groove Ball Bearings

Series RMS



Bearing Type	Dimensions				Load Rating		Speed Limit	
	d (mm)	D (mm)	B (mm)	r <sub>min</sub> (mm)	C <sub>ISO</sub> (kN)	C <sub>0,ISO</sub> (kN)	Grease n <sub>g</sub> (1/min)	Oil n <sub>g</sub> (1/min)
RMS 9	28.58	71.425	20.638	1.1	28.16	15.82	9 600	12 000

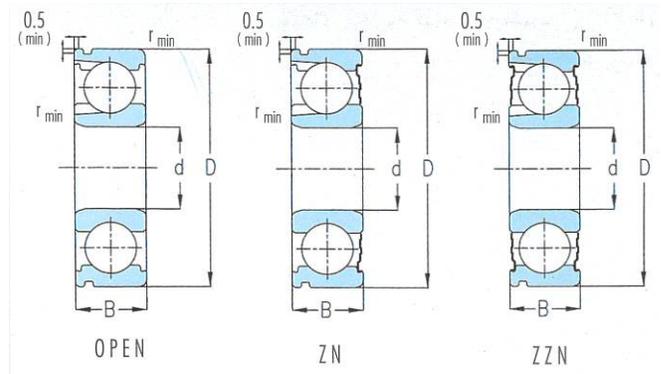
# Deep Groove Ball Bearings with filling slot

Series 200 / 300

200 N(R) / 300 N(R)

200 ZN(R) / 300 ZN(R)

200 ZZN(R) / 300 ZZN(R)

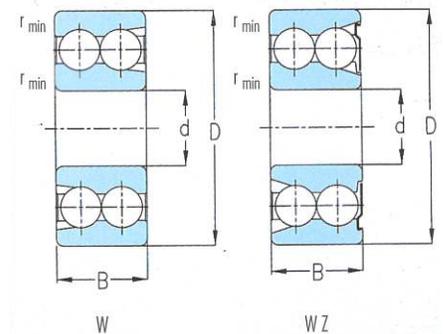


Bearing Type	Dimensions				Load Rating		Speed Limit	
	d (mm)	D (mm)	B (mm)	r <sub>min</sub> (mm)	C <sub>150</sub> (kN)	C <sub>0,150</sub> (kN)	Grease n <sub>g</sub> (1/min)	Oil
211	55	100	21	1.5	48.10	43.86	6 100	7 500
213	65	120	23	1.5	69.07	65.06	5 000	6 200
308	40	90	23	1.5	46.40	35.80	6 700	8 000
309	45	100	25	1.5	59.37	46.73	5 900	7 100
310	50	110	27	2	68.59	56.90	5 300	6 500

# Deep Groove Ball Bearings double row, with filling slot

Series 4200

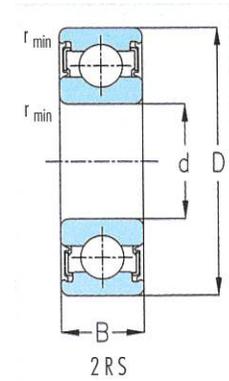
4200 Z



Bearing Type	Dimensions				Load Rating		Speed Limit	
	d (mm)	D (mm)	B (mm)	r <sub>min</sub> (mm)	C <sub>150</sub> (kN)	C <sub>0,150</sub> (kN)	Grease n <sub>g</sub> (1/min)	Oil
4209	45	85	23	2	50.50	51.02	5 400	6 500

# Deep Groove Ball Bearings

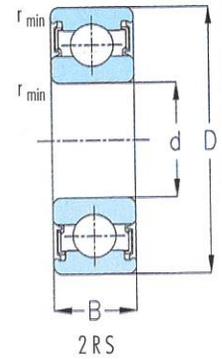
wideseries 62200



Bearing Type	Dimensions				Load Rating		Speed Limit	
	d (mm)	D (mm)	B (mm)	r <sub>min</sub> (mm)	C <sub>150</sub> (kN)	C <sub>0,150</sub> (kN)	Grease n <sub>g</sub> (1/min)	Oil
62200	10	30	14	0.6	5.97	2.63	24 000	30 000
62201	12	32	14	0.6	6.89	3.09	22 000	28 000
62202	15	35	14	0.6	7.73	3.76	19 000	24 000
62203	17	40	16	0.6	9.55	4.76	17 000	21 000
62204	20	47	18	1	12.79	6.58	14 000	17 000
62205	25	52	18	1	14.02	7.88	12 000	14 500
62206	30	62	20	1	19.45	11.26	10 000	12 500
62207	35	72	23	1.1	25.67	15.30	8 800	11 000
62208	40	80	23	1.1	29.11	17.90	7 800	9 500
62209	45	85	23	1.1	32.71	20.46	7 300	8 800
62210	50	90	23	1.1	35.07	23.18	6 600	8 300

# Deep Groove Ball Bearings

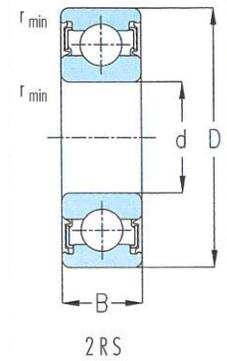
wideseries 62300



Bearing Type	Dimensions				Load Rating		Speed Limit	
	d (mm)	D (mm)	B (mm)	r <sub>min</sub> (mm)	C <sub>ISO</sub> (kN)	C <sub>0,ISO</sub> (kN)	Grease n <sub>g</sub> (1/min)	Oil (1/min)
62300	10	35	17	0.6	8.10	3.44	20 000	25 000
62301	12	37	17	1	9.71	4.19	18 500	23 000
62302	15	42	17	1	11.33	5.35	15 500	20 000
62303	17	47	19	1	13.63	6.62	14 000	17 000
62304	20	52	21	1.1	15.94	7.88	12 000	15 000
62305	25	62	24	1.1	23.62	12.13	10 000	12 500
62306	30	72	27	1.1	28.16	15.82	8 400	10 000
62307	35	80	31	1.5	33.32	19.15	7 300	9 000
62308	40	90	33	1.5	40.72	23.94	6 700	8 000

# Deep Groove Ball Bearings

wideseries 63000



Bearing Type	Dimensions				Load Rating		Speed Limit	
	d (mm)	D (mm)	B (mm)	r <sub>min</sub> (mm)	C <sub>ISO</sub> (kN)	C <sub>0,ISO</sub> (kN)	Grease n <sub>g</sub> (1/min)	Oil (1/min)
63000	10	26	12	0.3	4.58	1.97	28 500	35 000
63001	12	28	12	0.3	5.10	2.37	25 500	32 000
63002	15	32	13	0.3	5.59	2.84	22 000	28 000
63003	17	35	14	0.3	6.00	3.25	20 000	25 000
63004	20	42	16	0.6	9.38	5.03	16 500	20 000
63005	25	47	16	0.6	10.07	5.83	14 500	18 000
63006	30	55	19	1.0	13.23	8.28	12 000	15 000
63007	35	62	20	1.0	16.98	10.28	10 500	13 000
63008	40	68	21	1.0	16.77	11.55	9 500	12 000

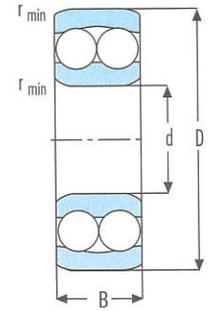
# Self-Aligning Ball Bearings

## Series 1200

1200 K

2300

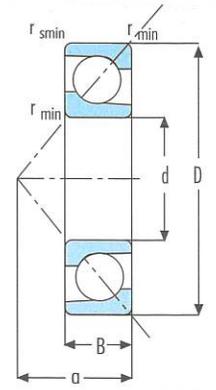
2300 K



Bearing Type	Dimensions				Load Rating		Speed Limit	
	d (mm)	D (mm)	B (mm)	r <sub>min</sub> (mm)	C <sub>ISO</sub> (kN)	C <sub>0,ISO</sub> (kN)	Grease n <sub>g</sub> (1/min)	Oil
1205	25	52	15	1	12.11	3.31	12 500	16 000
1206	30	62	16	1	15.64	4.70	10 000	12 500
1207	35	72	17	1.1	15.78	5.14	9 000	11 000
1208	40	80	18	1.1	19.24	6.51	8 000	10 000
1209	45	85	19	1.1	21.80	7.36	7 500	9 000
1210	50	90	20	1.1	22.71	8.09	6 800	8 200
1211	55	100	21	1.5	26.79	10.04	6 200	7 400
1212	60	110	22	1.5	30.15	11.56	5 600	6 700
1213	65	120	23	1.5	30.99	12.37	5 200	6 200
1214	70	125	24	1.5	34.65	13.69	4 900	5 900
1215	75	130	25	1.5	38.84	15.54	4 700	5 600
1216	80	140	26	2	39.83	16.93	4 400	5 200
2305	25	62	24	1.1	24.45	6.53	10 000	12 000

# Angular Contact Ball Bearings

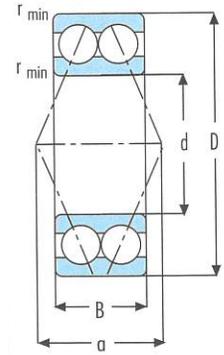
Single Row  
 Series 7200  
 7200 B  
 7300  
 7300 B



Bearing Type	Dimensions						Load Rating		Speed Limit	
	d (mm)	D (mm)	B (mm)	$r_{smin}$ (mm)	$r_{min}$ (mm)	a (mm)	$C_{150}$ (kN)	$C_{0,150}$ (kN)	Grease $n_g$ (1/min)	Oil
7220	100	180	34	1.1	2.1	76	138.95	121.85	2 800	3 600
7310	50	110	27	1	2	47	68.20	47.88	5 000	6 700
7311	55	120	29	1	2	52	78.75	56.33	4 500	6 000
7320	100	215	47	1.1	3	90	201.62	188.71	2 400	3 200

# Angular Contact Ball Bearings

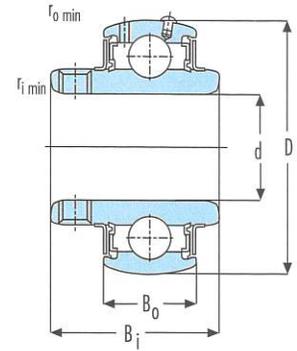
Double Row  
Series 3200  
3200N



Bearing Type	Dimensions					Load Rating		Speed Limit	
	d (mm)	D (mm)	B (mm)	$r_{min}$ (mm)	a (mm)	$C_{ISO}$ (kN)	$C_{0,ISO}$ (kN)	Grease $n_g$ (1/min)	Oil
3205	25	52	20.6	1	35	21.29	14.71	8 500	11 000
3206	30	62	23.8	1	41	29.57	21.08	7 000	9 500
3208	40	80	30.2	1.1	52	44.13	33.31	5 400	7 500
3209	45	85	30.2	1.1	56	49.54	38.12	5 000	6 700
3210	50	90	30.2	1.1	59	52.99	43.30	4 600	6 200
3211	55	100	33.3	1.5	64	65.49	54.85	4 200	5 600

# UC Series Ball Bearings

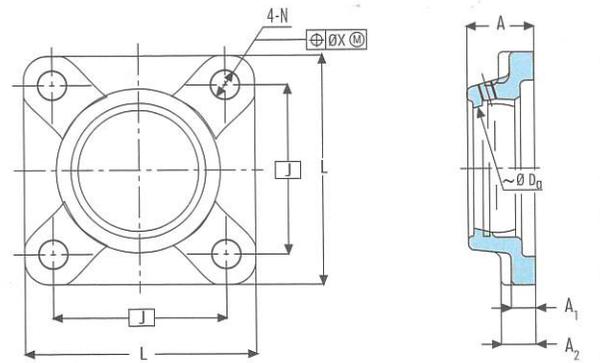
## Series UC 200



Bearing Type	Dimensions						Load Rating		Speed Limit	
	d (mm)	D (mm)	B <sub>1</sub> (mm)	B <sub>0</sub> (mm)	r <sub>0min</sub> (mm)	r <sub>1min</sub> (mm)	C <sub>ISO</sub> (kN)	C <sub>0,ISO</sub> (kN)	Grease n <sub>g</sub> (1/min)	Oil n <sub>g</sub> (1/min)
UC 205	25	52	34.1	17	0.4	1	14.02	7.88	12 500	16 000
UC 206	30	62	38.1	19	0.5	1	19.45	11.26	10 000	12 500
UC 207	35	72	42.9	20	0.5	1.5	25.67	15.30	9 000	11 000
UC 208	40	80	49.2	21	0.5	1.5	29.11	17.90	8 000	10 000
UC 209	45	85	49.2	22	0.5	1.5	32.71	20.46	7 500	9 000
UC 210	50	90	51.6	23	0.5	1.5	35.07	23.18	6 800	8 200
UC 211	55	100	55.6	24	0.75	2	43.38	29.22	6 200	7 400
UC 212	60	110	65.1	26	0.75	2	52.42	36.17	5 600	6 700

# F Type Housing

## For UC Series Ball Bearings

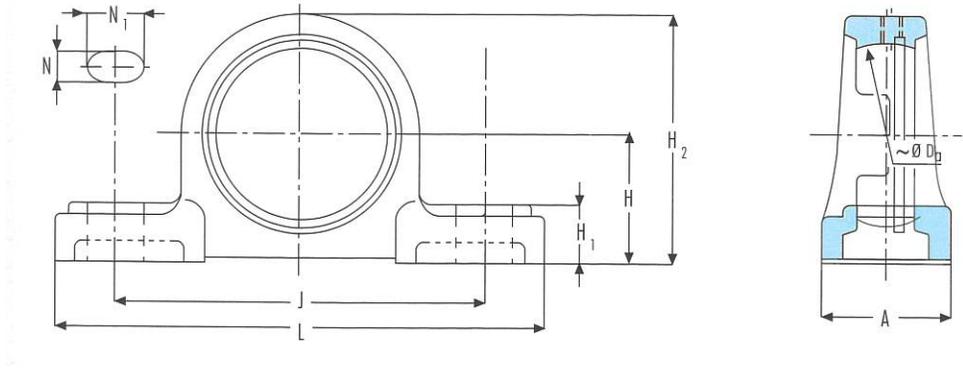


Units: mm

Housing	Housing Dimensions									
	D <sub>0</sub>	L (max)	A (max)	J	A <sub>1</sub> (max)	A <sub>2</sub>	ΔA <sub>25</sub> (max)	N		X
								Max.	Min.	
F 205	52	97	29	70	15	14	±0.5	12.2	11.8	0.7
F 206	62	110	33	83	15	14	±0.5	12.2	11.8	0.7
F 207	72	119	36	92	17	16	±0.5	14.2	13.8	0.7
F 208	80	132	38	101.5	17	16	±0.5	16.2	15.8	0.7
F 209	85	139	40	105	19	18	±0.5	16.5	15.8	0.7
F 210	90	145	42	111	19	18.5	±0.5	18.5	15.8	0.7

# P Housing

For UC Series  
Ball Bearings



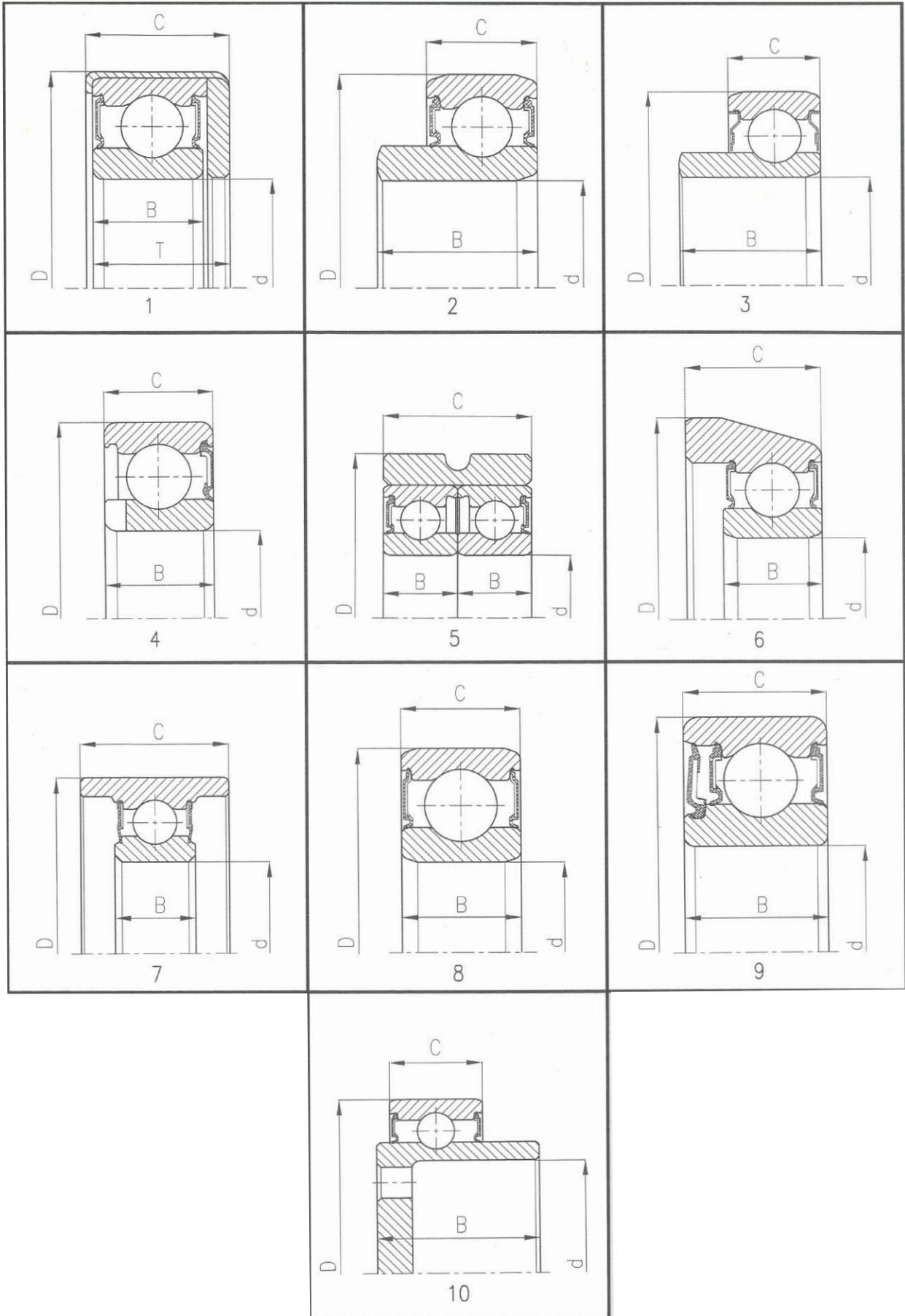
Units: mm

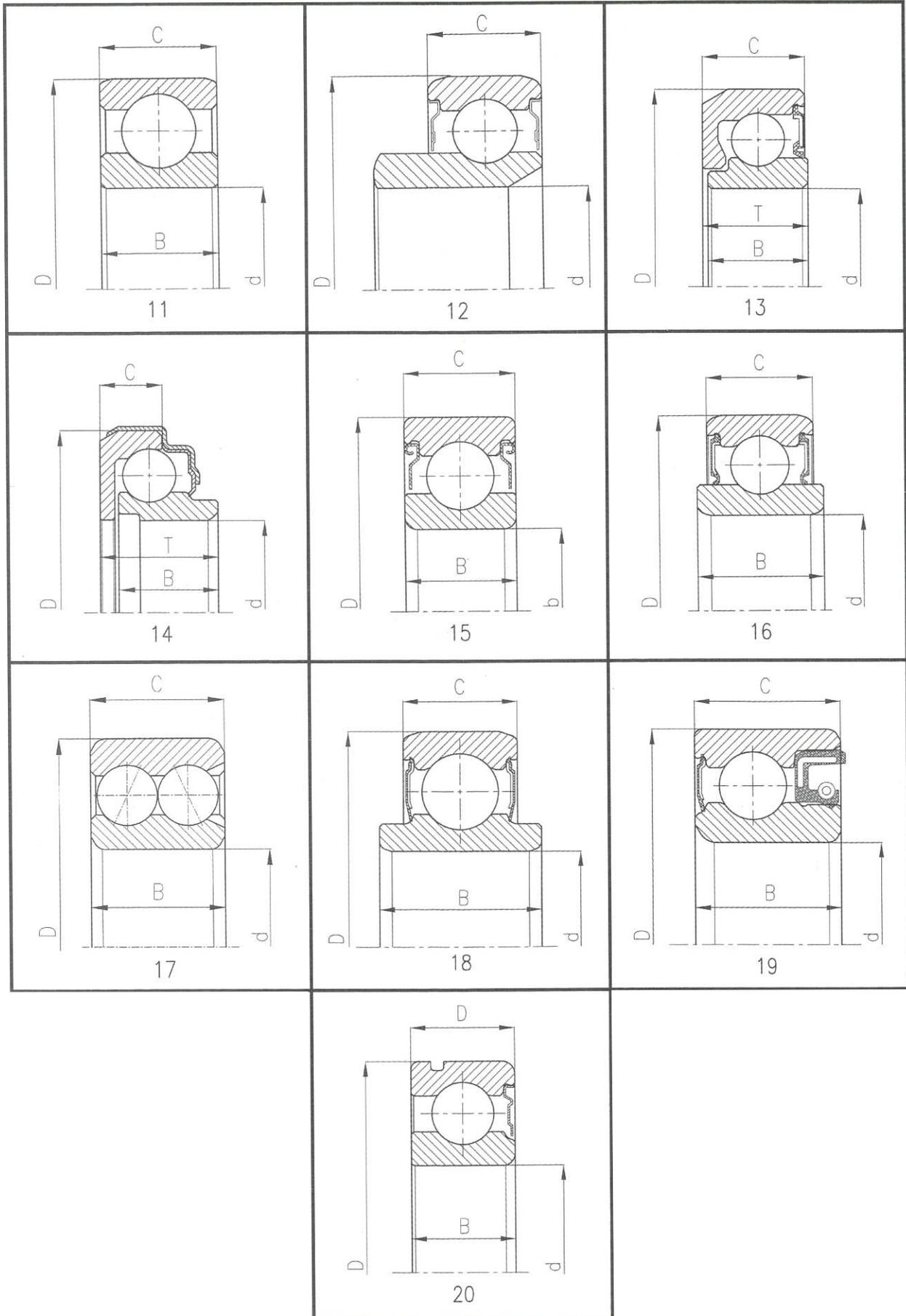
Housing Type	Housing Dimensions										
	D <sub>0</sub>	L (max)	A (max)	J	H	ΔH <sub>s</sub>	H <sub>1</sub> (max)	N		N <sub>1</sub> (min)	H <sub>2</sub> (max)
								Max.	Min.		
P 205	52	142	40	105	36.5	±0.15	18	14.5	11.5	13	73
P 206	62	167	50	121	42.9	±0.15	20	18.5	15.5	17	87
P 207	72	169	50	126	47.6	±0.15	21	18.5	15.5	17	96
P 208	80	186	56	137	49.2	±0.15	21	18.5	15.5	17	101
P 209	85	192	56	146	54	±0.15	23	18.5	15.5	17	109
P 210	90	208	62	159	57.2	±0.15	24	21.5	18.5	20	117

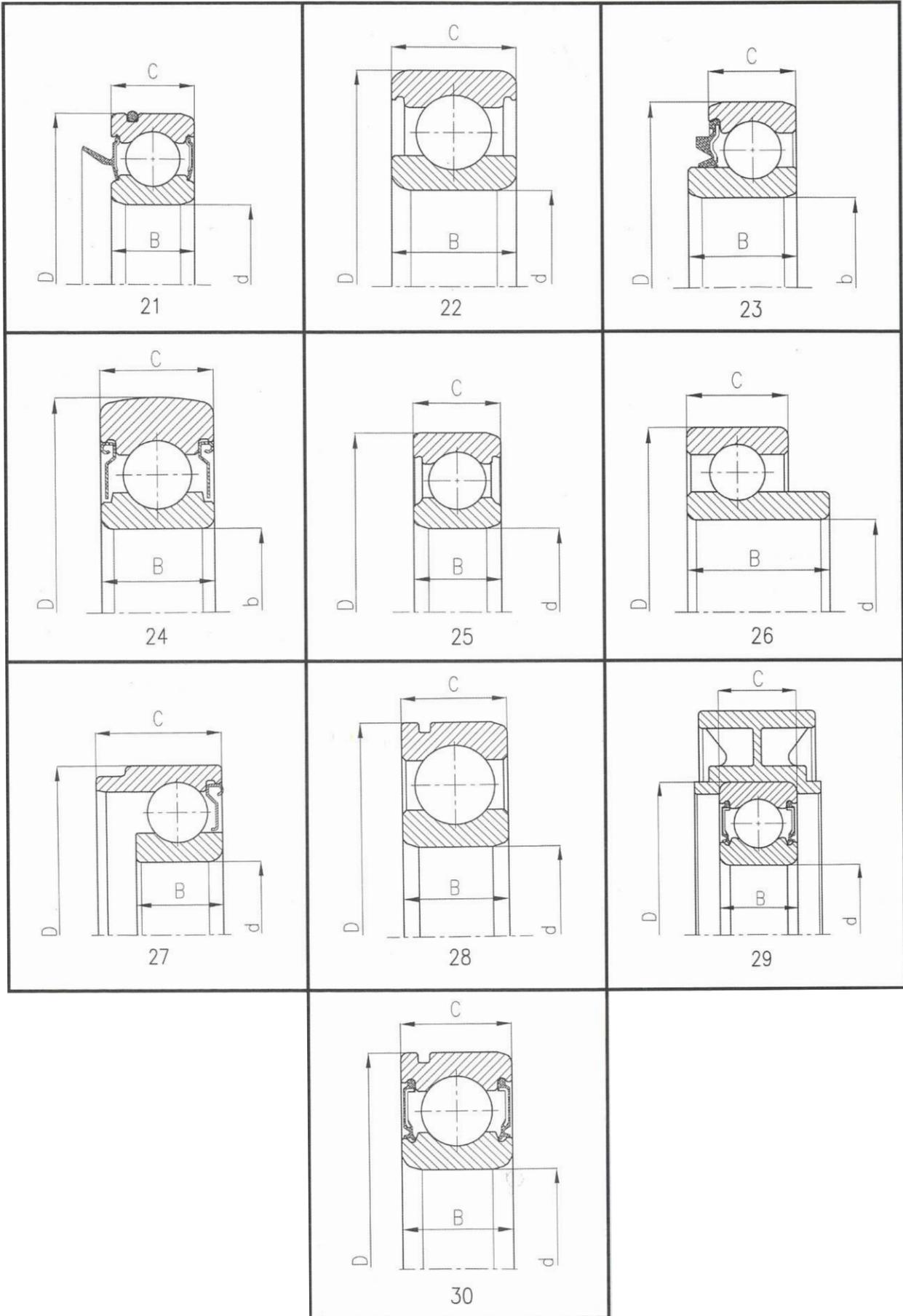
## Special Bearings

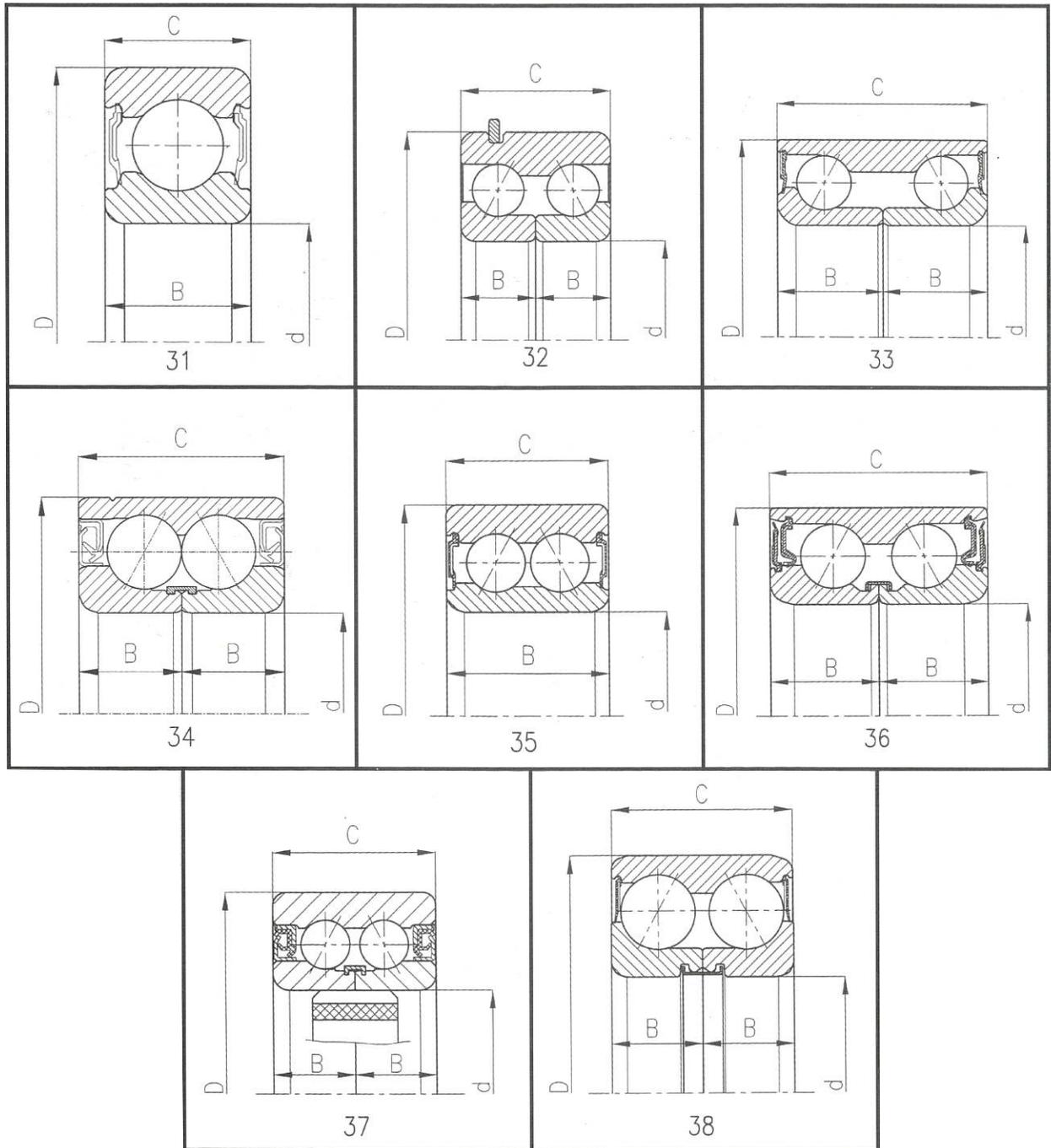
Type	d	D	B	C	T	Figure No.	Application
600213	65	100.38	18.32	23.825	22.8	1	Ford Cargo clutch
600306	30	55	18.9	13		2	Renault 12 clutch
600407	36	62	21.3	14		3	Tofaş 131 clutch
600500	10	26	8	8		4	
600702	15	39.5	9 x 2	18		5	Pirelli Wire drawing
600910	50	89	16	22		6	Türk Tractör clutch
601006	30	57	13	24		7	Tempra, Tipo, Uno, Tension bearing
601106	30	55	14	14		8	
620903	19.05	40	12	12		8	
601206	30	55	14	14		9	Ford Transit shaft support
603009	45	75	17.5	17.5		9	Ford Cargo
601306	31	55	31.5	18		10	Tempra, Tipo, 131, tension bearing (air)
601408	40	68	15	15		11	Renault 9,11 main shaft
630702	16	42	13	13		11	Beldesan
601513	65	100	27	18		12	Ford Cargo clutch
601713	63.505	102.11	19.51	19.95	20.57	13	Massey Ferguson tractor clutch
601913	65	101.6	19.25	12	22.85	14	BMC clutch, Fiat clutch
602001	12	36	10	10		15	
620801	12.7	32	10	10		15	Electric motor
602409	45	75	19	16		16	Mercedes minibus shaft support
620108	40	80	27	21		16	Ford cargo shaft support

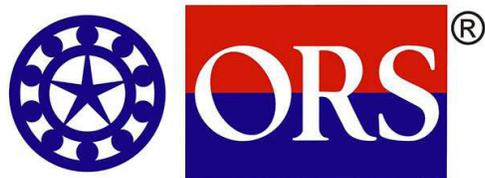
Type	d	D	B	C	T	Figure No.	Application
621111	55	100	25	21		16	Mercedes shaft support
420109	47	85	23	23		17	BMC Levend minibüs rear axle
620209	45	85	27	19		18	Ford Cargo shaft support
621407	35	72	25	17		18	Akkardansa, shaft support
622612	60	110	36	22		18	BMC Fatih shaft axle
620307	35	72	24	24		19	Ford Taunus rear axle
621706	30	62	24	21		19	Anadol rear axle
620406	30	62	16	16		20	Ford Taunus 1600 main shaft
620507	35	72	17	17		21	Renault 12 front axle
620601	12	32	10	10		22	Renault 12 steering wheel
620707	35	72	21	17		23	Renault 12 front axle
621201	12	36	10	10		24	
621809	40	85	19	19		25	Peugeot minivan
631420	100.04	215	47	47		25	
622009	45	85	35	19		26	
623002	15	35	9	13		27	Electrical power tools
630106	30	75	19	19		28	Tofaş 131 gear box
630205	25	62.02	17.5	17.5		28	Renault 9, 11, 19 main shaft
630906	28	67	18	18		28	
631604	20	52	15	15		29	Fiat Tempra, Tipo, Uno tension bearing
631305	25	62.02	17.5	17.5		30	Fiat Renault 9, 11, 19 main shaft
630374	30	65	21	21		31	Fiat Tofaş 131 rear axle
320104	20	50	10.3x2	20.6		32	Fiat Tofaş 131 main shaft
320206	30	60.03	18.5x2	37		33	Fiat Tempra, Ritmo, Uno front axle, Lado rear axle
320307	35	72.04	16.5x2	33		34	Fiat Tempra front axle
320807	37	72.02	18.5x2	37		34	Fiat Renault 19, 21 front axle
320406	30	65	26.4	26.4		35	Fiat Kartal rear axle
320608	39	72	18.5x2	37		36	Fiat Ford Escort front axle
320707	35	65	17.5x2	35		37	Fiat Renault 9, 11 front axle
320909	45	85	15.1x2	30.2		38	Fiat Ford Transit minibus rear axle











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