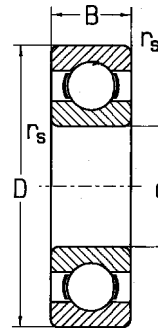


# Single Row Deep Groove Ball Bearings

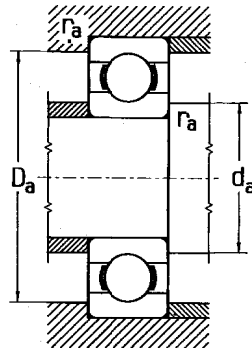
Sizes 2 mm – 12 mm



B

Size d	Dimensions			Basic Load Rating		Limiting Speed for Lubricating by		Bearing Designation
	D	B	r <sub>s</sub> min	Dynamic C <sub>r</sub>	Static C <sub>0r</sub>	Grease	Oil	
mm				kN lbf		min <sup>-1</sup>		
<b>2</b>	6	2.3	0.1	0.271 60	0.091 20	63,000	79,000	<b>619/2</b>
<b>3</b>	10	4	0.15	0.49 110	0.228 51	40,000	50,000	<b>623</b>
<b>4</b>	13	5	0.2	0.9 200	0.414 92	38,000	45,000	<b>624</b>
	16	5	0.3	1.43 322	0.681 153	35,000	42,000	<b>634</b>
<b>5</b>	13	4	0.2	0.668 150	0.355 79	47,000	56,000	<b>619/5</b>
	16	5	0.3	1.43 322	0.681 153	35,000	42,000	<b>625</b>
	19	6	0.3	2.12 473	1.04 233	35,000	42,000	<b>635</b>
<b>6</b>	15	5	0.2	0.909 203	0.501 112	42,000	50,000	<b>619/6</b>
	19	6	0.3	2.12 473	1.04 233	35,000	42,000	<b>626</b>
<b>7</b>	19	6	0.3	2.2 492	1.08 242	35,000	42,000	<b>607</b>
	22	7	0.3	2.5 562	1.36 304	35,000	42,000	<b>627</b>
<b>8</b>	16	4	0.2	1.55 341	0.722 162	35,000	42,000	<b>618/8TNH</b>
	22	7	0.3	2.5 562	1.36 304	35,000	42,000	<b>608</b>
<b>9</b>	24	7	0.3	2.8 631	1.65 369	35,000	42,000	<b>609</b>
	26	8	0.3	3.55 794	1.96 438	35,000	42,000	<b>629</b>
<b>10</b>	26	8	0.3	3.91 874	1.96 438	28,000	33,000	<b>6000</b>
	30	9	0.6	5.11 1,140	2.51 562	25,000	30,000	<b>6200</b>
	35	11	0.6	6.81 1,530	3.41 764	22,000	27,000	<b>6300</b>
<b>12</b>	28	7	0.3	4.5 1020	2.37 531	25,000	30,000	<b>16001</b>
	28	8	0.3	4.5 1,020	2.37 531	25,000	30,000	<b>6001</b>
	32	10	0.6	6.1 1,360	3.1 694	22,000	27,000	<b>6201</b>
	37	12	1	8.58 1,920	4.22 944	20,000	24,000	<b>6301</b>

Bearing designations printed in bold face type are currently in our manufacturing schedule. Those shown in normal face type are made to order.

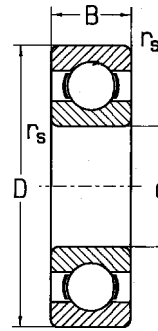


B

Size d	Abutment and Fillet Dimensions			Weight ~
	$d_a$ min	$D_a$ max	$r_a$ max	
mm				kg lbs
2	3.2	4.8	0.1	0.0004 0.0008
3	4.2	8.5	0.1	0.0015 0.0033
4	5.6	11.2	0.2	0.0032 0.007
	6.2	13.4	0.3	0.0050 0.011
5	6.6	11.5	0.2	0.0025 0.0055
	7	14	0.3	0.0047 0.010
	7.2	15.8	0.3	0.0090 0.019
6	7.8	13	0.2	0.0040 0.0088
	8.2	17	0.3	0.0080 0.017
7	9	17	0.3	0.0090 0.0198
	9.2	19.2	0.3	0.0123 0.027
8	9.8	14	0.2	0.003 0.0066
	10	20	0.3	0.015 0.033
9	11	22	0.3	0.018 0.0396
	11	24	0.3	0.020 0.044
10	12	24	0.3	0.019 0.0418
	14	26	0.6	0.031 0.068
	14	31	0.6	0.054 0.118
12	14	26	0.3	0.020 0.044
	14	26	0.3	0.022 0.048
	16	28	0.6	0.037 0.081
	17	32	1	0.061 0.134

# Single Row Deep Groove Ball Bearings

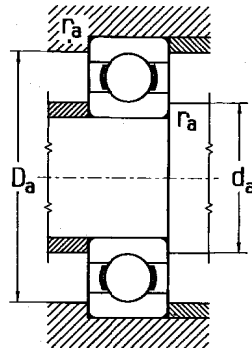
Sizes 15 mm – 30 mm



B

Size d	Dimensions			Basic Load Rating		Limiting Speed for Lubricating by		Bearing Designation
	D	B	r <sub>s</sub> min	Dynamic C <sub>r</sub>	Static C <sub>0r</sub>	Grease	Oil	
mm				kN		min <sup>-1</sup>		
				lbf				
<b>15</b>	32	8	0.3	5.21	2.82	21,000	25,000	<b>16002</b>
				<i>1,080</i>	<i>631</i>			
	32	9	0.3	5.21	2.82	21,000	25,000	6002
				<i>1,080</i>	<i>631</i>			
35	11	0.6	7.1	3.73	20,000	24,000	<b>6202</b>	
			<i>1,580</i>	<i>841</i>				
42	13	1	10.4	5.41	18,000	21,000	<b>6302</b>	
			<i>2,330</i>	<i>1,211</i>				
<b>17</b>	35	8	0.3	5.73	3.22	20,000	24,000	<b>16003</b>
				<i>1,280</i>	<i>722</i>			
	35	10	0.3	5.73	3.22	20,000	24,000	6003
				<i>1,280</i>	<i>722</i>			
	40	12	0.6	9.26	4.82	18,000	21,000	<b>6203</b>
				<i>2,070</i>	<i>1,080</i>			
47	14	1	13.1	6.56	16,000	19,000	<b>6303</b>	
			<i>2,930</i>	<i>1,440</i>				
62	17	1.1	22	10.8	12,600	15,000	<b>6403</b>	
			<i>4,920</i>	<i>2,370</i>				
<b>20</b>	42	8	0.3	9.44	5.01	17,000	20,000	<b>16004D</b>
				<i>2,110</i>	<i>1,100</i>			
	42	12	0.6	9.44	5.01	17,000	20,000	6004
				<i>2,110</i>	<i>1,100</i>			
	47	14	1	12.8	6.56	15,000	18,000	<b>6204</b>
				<i>2,870</i>	<i>1,440</i>			
52	15	1.1	16	7.94	14,000	17,000	<b>6304</b>	
			<i>3,620</i>	<i>1,780</i>				
72	19	1.1	31	15	11,000	13,000	<b>6404</b>	
			<i>7,080</i>	<i>3,350</i>				
<b>25</b>	47	8	0.3	10	5.84	14,000	17,000	<b>16005D</b>
				<i>2,240</i>	<i>1,280</i>			
	47	12	0.6	10	5.84	14,000	17,000	6005
				<i>2,240</i>	<i>1,280</i>			
	52	15	1	14.1	7.94	12,600	15,000	<b>6205</b>
				<i>3,160</i>	<i>1,780</i>			
62	17	1.1	20.7	11.2	11,000	13,000	<b>6305</b>	
			<i>4,640</i>	<i>2,460</i>				
80	21	1.5	36	19.2	9,400	11,000	<b>6405</b>	
			<i>8,100</i>	<i>4,380</i>				
<b>30</b>	55	9	0.3	11.2	7.36	12,000	14,000	<b>16006</b>
				<i>2,510</i>	<i>1,650</i>			
	55	13	1	13.3	8.25	12,000	14,000	6006
				<i>2,990</i>	<i>1,810</i>			
	62	16	1	19.6	11.2	11,000	13,000	<b>6206</b>
				<i>4,470</i>	<i>2,510</i>			
72	19	1.1	30	15.8	10,000	12,000	<b>6306</b>	
			<i>6,560</i>	<i>3,480</i>				
90	23	1.5	43	23.7	8,400	10,000	<b>6406</b>	
			<i>9,620</i>	<i>5,210</i>				

Bearing designations printed in bold face type are currently in our manufacturing schedule. Those shown in normal face type are made to order.

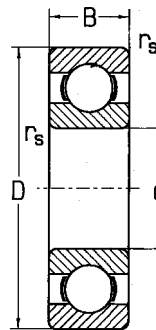


B

Size d	Abutment and Fillet Dimensions			Weight ~
	$d_a$ min	$D_a$ max	$r_a$ max	
mm				kg lbs
15	17	30	0.3	0.027 0.059
	17	30	0.3	0.030 0.066
	19	31	0.6	0.046 0.101
	20	36	1	0.085 0.187
17	19	33	0.3	0.032 0.070
	19	33	0.3	0.040 0.088
	21	36	0.6	0.073 0.160
	23	41	1	0.115 0.253
	24	53	1	0.265 0.583
20	22	40	0.3	0.050 0.110
	24	38	0.6	0.070 0.154
	25	42	1	0.108 0.237
	26	45	1	0.145 0.319
	27	63	1	0.398 0.876
25	27	43	0.3	0.053 0.116
	28	43	0.6	0.082 0.180
	30	47	1	0.129 0.284
	31	55	1	0.230 0.506
	34	70	1.5	0.530 1.167
30	32	53	0.3	0.087 0.191
	34	50	1	0.119 0.262
	35	57	1	0.200 0.440
	36	65	1	0.331 0.728
	39	80	1.5	0.725 1.596

# Single Row Deep Groove Ball Bearings

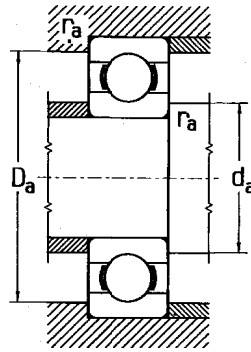
Sizes 35 mm – 55 mm



B

Size d	Dimensions			Basic Load Rating		Limiting Speed for Lubricating by		Bearing Designation
	D	B	r <sub>s</sub> min	Dynamic C <sub>r</sub>	Static C <sub>0r</sub>	Grease	Oil	
mm				kN		min <sup>-1</sup>		
				lbf				
<b>35</b>	62	9	0.3	12.3	8.74	10,600	12,600	<b>16007</b>
				<i>2,760</i>	<i>1,960</i>			
	62	14	1	16	10.2	10,600	12,600	6007
				<i>3,620</i>	<i>2,280</i>			
	72	17	1.1	25.6	15.3	9,400	11,000	6207
			<i>5,620</i>	<i>3,350</i>				
	80	21	1.5	33.5	19.2	8,400	10,000	6307
				<i>7,500</i>	<i>4,220</i>			
	100	25	1.5	55.2	31	7,500	8,900	6407
				<i>12,300</i>	<i>6,940</i>			
<b>40</b>	68	9	0.3	13.2	10.2	9,400	11,000	<b>16008</b>
				<i>2,990</i>	<i>2,510</i>			
	68	15	1	16.8	11.4	9,400	11,000	6008
				<i>3,760</i>	<i>2,560</i>			
	80	18	1.1	32.9	20	8,400	10,000	6208
			<i>7,360</i>	<i>4,470</i>				
	90	23	1.5	40.6	23.7	7,900	9,400	6308
				<i>9,090</i>	<i>5,310</i>			
	110	27	2	63.1	36.2	6,700	7,900	6408
				<i>14,100</i>	<i>8,178</i>			
<b>45</b>	75	10	0.6	15.6	12.1	8,400	10,000	<b>16009</b>
				<i>3,480</i>	<i>2,710</i>			
	75	16	1	21.1	15.3	8,400	10,000	6009
				<i>4,730</i>	<i>3,410</i>			
	85	19	1.1	32.9	20.3	7,900	9,400	6209
			<i>7,360</i>	<i>4,550</i>				
	100	25	1.5	53.1	31.6	7,100	8,400	6309
				<i>11,100</i>	<i>7,080</i>			
	120	29	2	76.5	44.7	6,000	7,100	6409
				<i>17,100</i>	<i>10,000</i>			
<b>50</b>	80	10	0.6	16.2	13.1	7,900	9,400	<b>16010</b>
				<i>3,620</i>	<i>2,930</i>			
	80	16	1	22	16.5	7,900	9,400	6010
				<i>4,920</i>	<i>3,690</i>			
	90	20	1.1	34.8	23.3	7,100	8,400	6210
			<i>7,790</i>	<i>5,210</i>				
	110	27	2	61.9	37.6	6,300	7,500	6310
				<i>13,600</i>	<i>8,410</i>			
	130	31	2.1	87.4	52.1	5,600	6,700	6410
				<i>19,600</i>	<i>11,100</i>			
<b>55</b>	90	11	0.6	19.3	16.2	7,100	8,400	<b>16011</b>
				<i>4,300</i>	<i>3,620</i>			
	90	18	1.1	28.2	21.1	7,100	8,400	6011
				<i>6,310</i>	<i>4,730</i>			
	100	21	1.5	43	29.3	6,700	7,900	6211
			<i>9,440</i>	<i>6,560</i>				
	120	29	2	71	44.7	5,600	6,700	6311
				<i>15,500</i>	<i>10,000</i>			
	140	33	2.1	100	61.9	5,300	6,300	6411
				<i>22,400</i>	<i>13,600</i>			

Bearing designations printed in bold face type are currently in our manufacturing schedule. Those shown in normal face type are made to order.

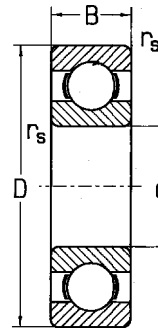


B

Size d	Abutment and Fillet Dimensions			Weight ~
	$d_a$ min	$D_a$ max	$r_a$ max	
mm				kg lbs
35	37	60	0.3	0.111 0.244
	39.5	57	1	0.154 0.339
	42	65	1	0.284 0.625
	42	71	1.5	0.447 0.984
	44	90	1.5	0.954 2.100
40	42	62	0.3	0.125 0.275
	44	63	1	0.191 0.420
	47	73	1	0.349 0.768
	47	81	1.5	0.625 1.376
	50	97	2	1.23 2.708
45	49	71	0.6	0.170 0.374
	49	70	1	0.241 0.530
	52	78	1	0.404 0.889
	52	91	1.5	0.828 1.82
	55	107	2	1.54 3.39
50	54	76	0.6	0.188 0.414
	54	75	1	0.260 0.572
	57	83	1	0.460 1.01
	60	100	2	1.06 2.33
	63	116	2	1.89 4.16
55	59	86	0.6	0.260 0.572
	60	84	1	0.383 0.843
	62	91	1.5	0.597 1.31
	65	110	2	1.38 3.03
	68	126	2	2.29 5.04

# Single Row Deep Groove Ball Bearings

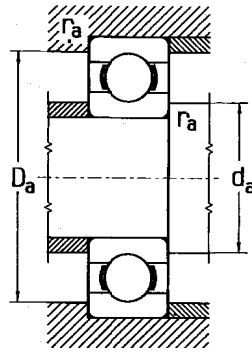
Sizes 60 mm – 80 mm



B

Size d	Dimensions			Basic Load Rating		Limiting Speed for Lubricating by		Bearing Designation
	D	B	r <sub>s</sub> min	Dynamic C <sub>r</sub>	Static C <sub>0r</sub>	Grease	Oil	
mm				kN		min <sup>-1</sup>		
				lbf				
<b>60</b>	95	11	0.6	20	17.4	6,700	7,900	<b>16012</b>
				<i>4,380</i>	<i>3,910</i>			
	95	18	1.1	29.3	23.3	6,700	7,900	6012
				<i>6,560</i>	<i>5,210</i>			
	110	22	1.5	52.1	36.3	6,000	7,100	6212
			<i>11,400</i>	<i>8,100</i>				
	130	31	2.1	81.5	52.1	5,300	6,300	6312
				<i>18,100</i>	<i>11,100</i>			
	150	35	2.1	110	69.4	4,700	5,600	6412
				<i>24,600</i>	<i>15,500</i>			
<b>65</b>	100	11	0.6	21.2	19.6	6,300	7,500	<b>16013</b>
				<i>4,730</i>	<i>4,380</i>			
	100	18	1.1	30.5	25.1	6,300	7,500	6013
				<i>6,810</i>	<i>5,620</i>			
	120	23	1.5	57.3	39.8	5,300	6,300	6213
			<i>12,800</i>	<i>8,910</i>				
	140	33	2.1	92.6	59.6	5,000	6,000	6313
				<i>20,700</i>	<i>13,300</i>			
	160	37	2.1	119	77.9	4,500	5,300	6413
				<i>26,600</i>	<i>17,400</i>			
<b>70</b>	110	13	0.6	27.6	25.1	5,600	6,700	<b>16014</b>
				<i>6,190</i>	<i>5,620</i>			
	110	20	1.1	38.3	31	5,600	6,700	6014
				<i>8,580</i>	<i>6,810</i>			
	150	35	2.1	104	68.1	4,700	5,600	6314
				<i>23,300</i>	<i>15,300</i>			
	180	42	3	144	104	4,000	4,700	6414
				<i>32,200</i>	<i>23,300</i>			
<b>75</b>	115	13	0.6	28.7	26.6	5,300	6,300	<b>16015</b>
				<i>6,430</i>	<i>5,960</i>			
	115	20	1.1	39.8	33.5	5,300	6,300	6015
				<i>8,910</i>	<i>7,500</i>			
	130	25	1.5	66.8	49.2	5,000	6,000	6215
			<i>15,000</i>	<i>11,000</i>				
	160	37	2.1	114	76.4	4,200	5,000	6315
				<i>25,600</i>	<i>17,100</i>			
	190	45	3	153	114	3,800	4,500	6415
				<i>34,100</i>	<i>25,600</i>			
<b>80</b>	125	14	0.6	32.9	31.6	5,000	6,000	<b>16016</b>
				<i>7,360</i>	<i>7,080</i>			
	125	22	1.1	47.5	39.8	5,000	6,000	6016
				<i>10,600</i>	<i>8,910</i>			
	140	26	2	72.2	53.1	4,700	5,600	6216
				<i>16,200</i>	<i>11,900</i>			
	170	37	2.1	123	85.8	4,000	4,700	6316
				<i>27,600</i>	<i>19,200</i>			
	200	48	3	163	126	3,500	4,200	6416
				<i>36,900</i>	<i>28,200</i>			

Bearing designations printed in bold face type are currently in our manufacturing schedule. Those shown in normal face type are made to order.

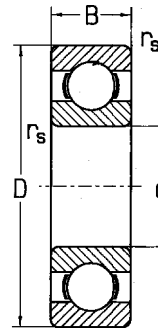


B

Size d	Abutment and Fillet Dimensions			Weight ~
	$d_a$ min	$D_a$ max	$r_a$ max	
mm				kg lbs
60	64	91	0.6	0.280 0.616
	65	88	1	0.411 0.905
	67	101	1.5	0.771 1.69
	72	118	2	1.72 3.78
	73	136	2	2.76 6.07
65	69	96	0.6	0.300 0.660
	70	93	1	0.437 0.962
	72	111	1.5	0.997 2.19
	76	128	2	2.10 4.62
	78	146	2	3.28 7.22
70	74	106	0.6	0.433 0.953
	75	103	1	0.604 1.33
	81	138	2	2.54 5.59
	85	164	2.5	4.85 10.6
75	79	111	0.6	0.457 1.00
	80	108	1	0.638 1.40
	82	122	1.5	1.18 2.59
	86	148	2	3.06 6.73
	90	174	2.5	5.74 12.6
80	84	121	0.6	0.597 1.31
	85	118	1	0.845 1.86
	90	130	2	1.40 3.08
	91	158	2	3.63 7.99
	95	184	2.5	6.72 14.8

# Single Row Deep Groove Ball Bearings

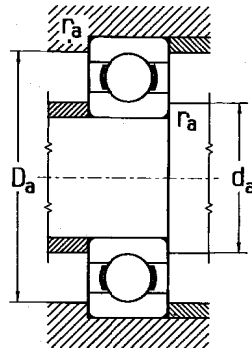
Sizes 85 mm – 110 mm



B

Size d	Dimensions			Basic Load Rating		Limiting Speed for Lubricating by		Bearing Designation
	D	B	r <sub>s</sub> min	Dynamic C <sub>r</sub>	Static C <sub>0r</sub>	Grease	Oil	
mm				kN		min <sup>-1</sup>		
				lbf				
<b>85</b>	130	14	0.6	34.1	32.9	4,700	5,600	16017
	130	22	1.1	7,640	7,360	4,700	5,600	6017
	150	28	2	49.2	43	4,200	5,000	6217
	180	41	3	11,000	9,620	3,800	4,500	6317
	210	52	4	83	64.3	3,300	4,000	6417
				18,800	14,400			
				133	96.2			
				29,900	21,500			
				174	136			
				39,100	30,400			
<b>90</b>	140	16	1	51.5	39.1	4,500	5,300	16018
	140	24	1.5	9,260	8,740	4,500	5,300	6018
	160	30	2	58.4	49.2	4,000	4,700	6218
	190	43	3	13,100	11,000	3,500	4,200	6318
	225	54	4	96.2	70.8	3,200	3,800	6418
				21,500	15,800			
				144	108			
				32,200	24,200			
				192	158			
				43,000	35,500			
<b>95</b>	145	24	1.5	60.7	54.1	4,200	5,000	6019
	170	32	2.1	13,600	12,100	3,800	4,500	6219
	200	45	3	108	81	3,300	4,000	6319
				24,200	18,100			
				153	119			
				34,100	26,600			
<b>100</b>	150	16	1	44	43.8	4,200	5,000	16020
	150	24	1.5	9,810	9,810	4,200	5,000	6020
	180	34	2.1	60	54.1	3,500	4,200	6220
	215	47	3	13,600	12,100	3,200	3,800	6320
				123	92.6			
				27,600	20,700			
				174	141			
				39,100	31,600			
<b>105</b>	160	26	2	72.2	65.6	4,000	4,700	6021
	190	36	2.1	16,200	14,700	3,300	4,000	6221
	225	49	3	133	104	3,000	3,500	6321
				29,900	23,300			
				185	153			
				41,400	34,100			
<b>110</b>	170	19	1	57.6	56.2	3,800	4,500	16022
	170	28	2	12,800	12,600	3,800	4,500	6022
	200	38	2.1	82.5	72.2	3,200	3,800	6222
	240	50	3	18,500	16,200	2,800	3,300	6322
				144	117			
				32,200	26,100			
				204	178			
				45,500	39,800			

Bearing designations printed in bold face type are currently in our manufacturing schedule. Those shown in normal face type are made to order.

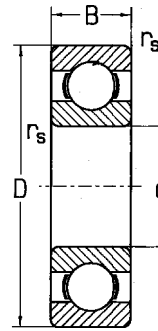


B

Size d	Abutment and Fillet Dimensions			Weight ~
	$d_a$ min	$D_a$ max	$r_a$ max	
mm				kg lbs
85	89	126	0.6	0.626 1.37
	90	123	1	0.892 1.96
	95	140	2	1.80 3.96
	98	166	2.5	4.20 9.25
	105	190	3	7.88 17.3
	90	95	135	1
96		132	1.5	1.17 2.57
100		150	2	2.16 4.75
103		176	2.5	4.95 10.9
110		205	3	11.4 25.1
95		102	137	1.5
	107	158	2	2.60 5.72
	109	186	2.5	5.72 12.5
100	105	145	1	0.910 2.00
	106	142	1.5	1.27 2.79
	112	169	2	3.13 6.89
	113	201	2.5	7.07 15.5
105	113	151	2	1.59 3.50
	117	178	2	3.74 8.23
	119	211	2.5	8.00 17.6
110	115	165	1	1.46 3.21
	118	161	2	1.95 4.29
	122	188	2	4.37 9.62
	124	226	2.5	9.59 21.1

# Single Row Deep Groove Ball Bearings

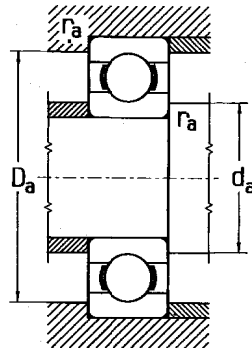
Sizes 120 mm – 170 mm



B

Size d	Dimensions			Basic Load Rating		Limiting Speed for Lubricating by		Bearing Designation
	D	B	r <sub>s</sub> min	Dynamic C <sub>r</sub>	Static C <sub>0r</sub>	Grease	Oil	
mm				kN		min <sup>-1</sup>		
				lbf				
<b>120</b>	180	19	1	61	63.1	3,300	4,000	16024
				<i>13,600</i>	<i>14,100</i>			
	180	28	2	85	79.4	3,300	4,000	6024
				<i>19,200</i>	<i>17,800</i>			
215	40	2.1		144	117	3,000	3,500	6224
				<i>32,200</i>	<i>26,100</i>			
260	55	3		216	196	2,500	3,000	6324
				<i>48,200</i>	<i>43,800</i>			
<b>130</b>	180	24	1.5	51.1	51.1	3,200	3,800	61,926
				<i>11,400</i>	<i>11,400</i>			
	200	22	1.1	78	82.5	3,200	3,800	16026
				<i>17,400</i>	<i>18,500</i>			
	200	33	2	106	100	3,200	3,800	6026
				<i>23,700</i>	<i>22,400</i>			
230	40	3		153	133	2,800	3,300	6226
				<i>34,100</i>	<i>29,900</i>			
280	58	4		228	215	2,400	2,800	6326
				<i>51,100</i>	<i>48,200</i>			
<b>140</b>	210	22	1.1	81	85.8	3,000	3,500	16028
				<i>18,100</i>	<i>19,200</i>			
	210	33	2	110	108	3,000	3,500	6028
				<i>24,600</i>	<i>24,200</i>			
	250	42	3	166	150	2,500	3,000	6228
300	62	4		251	246	2,200	2,700	6328
				<i>56,200</i>	<i>55,200</i>			
<b>150</b>	225	24	1.1	92.6	98.1	2,700	3,200	16030
				<i>20,700</i>	<i>22,000</i>			
	225	35	2.1	126	126	2,700	3,200	6030
				<i>28,200</i>	<i>28,200</i>			
	270	45	3	190	181	2,200	2,700	6230
320	65	4		276	282	2,000	2,500	6330
				<i>61,900</i>	<i>63,100</i>			
<b>160</b>	240	38	2.1	143	144	2,500	3,000	6032
				<i>32,200</i>	<i>32,200</i>			
	290	48	3	203	203	2,100	2,500	6232
			<i>45,500</i>	<i>45,500</i>				
<b>170</b>	260	42	2.1	168	171	2,200	2,700	6034
				<i>37,600</i>	<i>38,300</i>			
	310	52	4	228	237	2,000	2,400	6234
				<i>51,100</i>	<i>53,100</i>			

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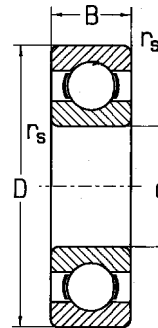


B

Size d	Abutment and Fillet Dimensions			Weight ~
	$d_a$ min	$D_a$ max	$r_a$ max	
mm				kg lbs
120	125	175	1	1.80 3.9
	128	171	2	2.10 4.6
	132	203	2	5.15 11.3
	134	246	2.5	12.2 26.8
130	137	172	1	1.86 4.09
	136	193	1	2.69 5.92
	138	191	2	3.26 7.18
	144	216	2.5	6.20 13.6
	148	262	3	15.0 33.0
140	146	203	1	2.86 6.29
	148	200	2	3.39 7.46
	154	236	2.5	7.56 16.6
	158	282	3	18.3 40.3
150	156	218	1	3.58 7.88
	159	213	2	4.16 9.16
	164	256	2.5	9.85 21.6
	168	302	3	21.8 48.0
160	169	228	2	5.06 11.1
	174	276	2.5	15.0 33.0
170	179	248	2	6.91 15.2
	188	293	3	16.5 36.3

# Single Row Deep Groove Ball Bearings

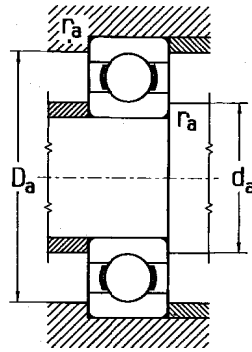
Sizes 180 mm – 200 mm



B

Size d	Dimensions			Basic Load Rating		Limiting Speed for Lubricating by		Bearing Designation
	D	B	r <sub>s</sub> min	Dynamic C <sub>r</sub>	Static C <sub>0r</sub>	Grease	Oil	
mm				kN lbf		min <sup>-1</sup>		
<b>180</b>	280	46	2.1	188 <i>42,200</i>	200 <i>44,700</i>	2,100	2,500	<b>6036</b>
	320	52	4	242 <i>54,100</i>	261 <i>58,400</i>	1,900	2,200	6236
<b>190</b>	290	46	2.1	196 <i>43,800</i>	215 <i>48,200</i>	2,000	2,400	<b>6038</b>
	340	55	4	271 <i>60,700</i>	299 <i>66,800</i>	1,800	2,100	6238
<b>200</b>	310	51	2.1	216 <i>48,200</i>	245 <i>55,200</i>	1,900	2,200	<b>6040</b>
	360	58	4	282 <i>63,100</i>	332 <i>75,000</i>	1,700	2,000	6240

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B

Size d	Abutment and Fillet Dimensions			Weight ~
	$d_a$ min	$D_a$ max	$r_a$ max	
mm				kg lbs
180	189	268	2	8.88
	198	302	3	19.5
				17.5 38.5
190	202	278	2	9.31
	208	322	3	20.5
				23.3 51.3
200	212	298	2	11.9
	218	342	3	26.2
				28.0 61.6