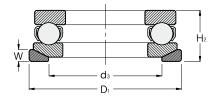


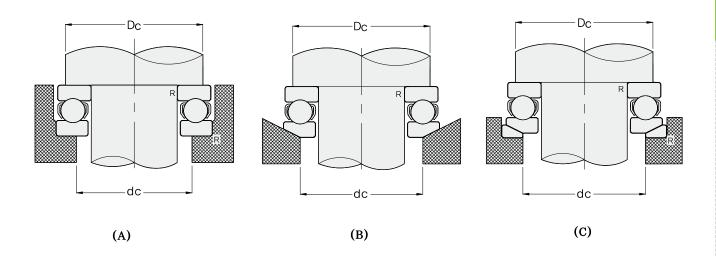
Spherical Housing Washer(B)



Spherical Housing Washer and Seating Ring(C)

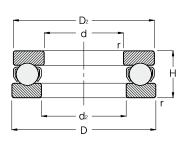
	D	imensior	ıs(mm)			Bea	aring Seri	es	Load Ra	iting(Kgf)	Limiting Speed(rpm)	
d	D	Н	Н,	H₂	r	(A)	(B)	(C)	С	Со	Grease	Oil
10	24 26	9 11	_ 11.6	_ 13	0.5 1	51100 51200	_ 53200	_ 53200 U	1,030 1,300	1,180 1,440	6,700 6,000	10,000 9,000
12	26 28	9 11	_ 11.4	_ 13	0.5 1	51101 51201	_ 53201	_ 53201 U	1,060 1,350	1,300 1,600	6,700 5,600	10,000 8,500
15	28 32	9 12	_ 13.3	_ 15	0.5 1	51102 51202	_ 53202	_ 53202 U	1,080 1,710	1,410 2,100	6,300 5,000	9,500 7,500
17	30 35	9 12	_ 13.2	_ 15	0.5 1	51103 51203	_ 53203	_ 53203 U	1,170 1,760	1,650 2,300	6,300 5,000	9,500 7,500
20	35 40	10 14	_ 14.7	_ 17	0.5 1	51104 51204	_ 53204	_ 53204 U	1,540 2,290	2,250 3,200	5,300 4,000	8,000 6,000
25	42 47 52 60	11 15 18 24	16.7 19.8 26.4	19 22 29	1 1 1.5 1.5	51105 51205 51305 51405	_ 53205 53305 53405	_ 53205 U 53305 U 53405 U	2,010 2,860 3,650 5,700	3,150 4,250 5,200 7,550	4,500 3,800 3,200 2,600	6,700 5,600 4,800 4,000
30	47 52 60 70	11 16 21 28	17.8 22.6 30.1	20 25 33	1 1 1.5 1.5	51106 51206 51306 51406	53206 53306 53406	53206 U 53306 U 53406 U	2,100 3,000 4,400 7,450	3,550 4,900 6,650 10,600	4,300 3,400 2,800 2,200	6,500 5,300 4,200 3,400
35	52 62 68 80	12 18 24 32	- 19.9 25.6 34	22 28 37	1 1.5 1.5 2	51107 51207 51307 51407	_ 53207 53307 53407	_ 53207 U 53307 U 53407 U	2,250 4,050 5,700 8,950	4,200 6,600 8,850 13,100	4,000 3,000 2,500 2,000	6,000 4,500 3,700 3,000
40	60 68 78 90	13 19 26 36	20.3 28.5 38.2	23 31 42	1 1.5 1.5 2	51108 51208 51308 51408	_ 53208 53308 53408	53208 U 53308 U 53408 U	2,770 4,850 7,100 10,500	5,300 8,300 11,400 15,800	3,600 2,800 2,200 1,700	5,300 4,200 3,300 2,600
45	65 73 85 100	14 20 28 39	21.3 30.1 42.4	_ 24 33 46	1 1.5 1.5 2	51109 51209 51309 51409	_ 53209 53309 53409	_ 53209 U 53309 U 53409 U	2,860 4,900 8,200 13,000	5,850 8,850 13,800 20,700	3,400 2,600 2,000 1,600	5,000 4,000 3,000 2,400
50	70 78 95 110	14 22 31 43	23.5 34.3 45.6	_ 26 37 50	1 1.5 2 2.5	51110 51210 51310 51410	_ 53210 53310 53410	53210 U 53310 U 53410 U	2,960 5,000 9,950 15,000	6,350 9,400 17,000 24,300	3,200 2,400 1,800 1,400	4,800 3,600 2,800 2,200



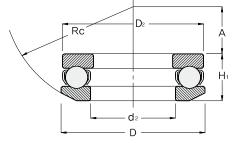


	D	imensio	ns(mm)	1			Abutment	and fillet di	mensions(mm)		Weight(kg	g)	Bearing
D ₂	d²	d₃	D ₁	w	Rc	Α	Dc(min)	dc(Max)	R (Max)	(A)	(B)	(C)	No
24 26	11 12	_ 18	_ 28	_ 3.5	_ 22	_ 8.5	18 20	16 16	0.3 0.6	0.020 0.030	_ 0.029	_ 0.039	51100 51200
26 28	13 14	_ 20	_ 30	_ 3.5	_ 25	_ 11.5	20 22	18 18	0.3 0.6	0.022 0.034	_ 0.031	_ 0.042	51101 51201
28 32	16 17	_ 24	_ 35	_ 4	_ 28	_ 12	23 25	20 22	0.3 0.6	0.024 0.046	_ 0.048	_ 0.064	51102 51202
30 35	18 19	_ 26	_ 38	_ 4	_ 32	_ 16	25 28	22 24	0.3 0.6	0.028 0.053	_ 0.055	_ 0.074	51103 51203
35 40	21 22	_ 30	_ 42	_ 5	_ 36	_ 18	29 32	26 28	0.3 0.6	0.040 0.082	_ 0.080	_ 0.105	51104 51204
42 47 52 60	26 27 27 27	_ 36 38 43	50 55 62	_ 5.5 6 8	- 40 45 50	_ 19 21 19	35 38 41 46	32 34 36 39	0.6 0.6 1	0.059 0.120 0.180 0.340	0.120 0.180 0.350	_ 0.160 0.220 0.410	51105 51205 51305 51405
47 52 60 70	32 32 32 32	- 42 45 50	- 55 62 75	_ 5.5 7 9	- 45 50 56	_ 22 22 20	40 43 48 54	37 39 42 46	0.6 0.6 1	0.068 0.150 0.270 0.530	0.160 0.270 0.530	_ 0.215 0.325 0.660	51106 51206 51306 51406
52 62 68 80	37 37 37 37	- 48 52 58	- 65 72 85	- 7 7.5 10	- 50 56 64	_ 24 24 23	45 51 55 62	42 46 48 53	0.6 1 1 1	0.085 0.220 0.390 0.790	0.220 0.400 0.790	- 0.290 0.480 0.960	51107 51207 51307 51407
60 68 78 90	42 42 42 42	_ 55 60 65	- 72 82 95	- 7 8.5 12	- 56 64 72	_ 28.5 28 26	52 57 63 70	48 51 55 60	0.6 1 1	0.120 0.270 0.550 1.150	0.270 0.570 1.100	_ 0.355 0.690 1.400	51108 51208 51308 51408
65 73 85 100	47 47 47 47	- 60 65 72	- 78 90 105	- 7.5 10 12.5	- 56 64 80	_ 26 25 29	57 62 69 78	53 56 61 67	0.6 1 1	0.150 0.320 0.690 1.450	0.310 0.680 1.500	_ 0.410 0.830 1.800	51109 51209 51309 51409
70 78 95 110	52 52 52 52	- 62 72 80	- 82 100 115	- 7.5 11 14	- 64 72 90	- 32.5 28 35	62 67 77 86	58 61 68 74	0.6 1 1 1.5	0.160 0.390 1.000 2.000	- 0.380 1.000 1.950	- 0.500 1.250 2.400	51110 51210 51310 51410

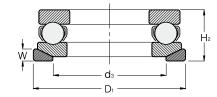
Single Direction







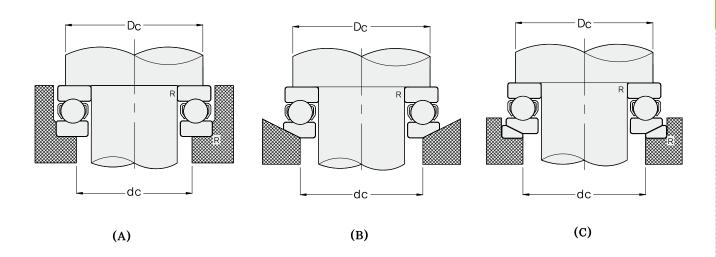
Spherical Housing Washer(B)



Spherical Housing Washer and Seating Ring(C)

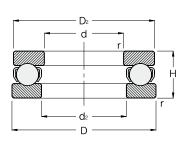
	D	imension	ıs(mm)			Bea	aring Seri	es	Load Ra	ting(Kgf)	Limiting Speed(rpm)	
d	D	Н	Н,	H₂	r	(A)	(B)	(C)	С	Со	Grease	Oil
55	78 90 105 120	16 25 35 48	_ 27.3 39.3 50.5	_ 30 42 55	1 1.5 2 2.5	51111 51211 51311 51411	_ 53211 53311 53411	_ 53211 U 53311 U 53411 U	3,600 7,150 11,800 18,500	7,850 13,400 20,600 29,500	2,800 2,100 1,600 1,300	4,300 3,200 2,400 1,900
60	85 95 110 130	17 26 35 51	_ 28 38.3 54	- 31 42 58	1.5 1.5 2 2.5	51112 51212 51312 51412	_ 53212 53312 53412	_ 53212 U 53312 U 53412 U	4,250 7,300 12,100 20,600	9,500 14,200 22,200 33,500	2,600 2,000 1,600 1,200	4,000 3,000 2,400 1,800
65	90 100 115 140	18 27 36 56	28.7 39.4 60.2	- 32 43 65	1.5 1.5 2 3	51113 51213 51313 51413	_ 53213 53313 53413	53213 U 53313 U 53413 U	4,300 7,700 12,500 23,800	9,900 15,900 23,800 41,500	2,500 1,900 1,600 1,100	3,800 2,800 2,300 1,600
70	95 105 125 150	18 27 40 60	28.8 44.2 63.6	- 32 48 69	1.5 1.5 2 3	51114 51214 51314 51414	_ 53214 53314 53414	_ 53214 U 53314 U 53414 U	4,450 7,550 14,000 25,700	10,700 15,900 26,400 46,500	2,400 1,900 1,400 1,000	3,600 2,800 2,000 1,500
75	100 110 135 160	19 27 44 65	28.3 48.1 69	_ 32 52 75	1.5 1.5 2.5 3	51115 51215 51315 51415	_ 53215 53315 53415	_ 53215 U 53315 U 53415 U	4,450 7,950 16,200 25,900	11,100 17,600 31,000 47,500	2,200 1,800 1,300 950	3,400 2,700 1,900 1,400
80	105 115 140 170	19 28 44 68	29.5 47.6 72.2	- 33 52 78	1.5 1.5 2.5 3.5	51116 51216 51316 51416	_ 53216 53316 53416	_ 53216 U 53316 U 53416 U	4,600 8,050 16,700 27,800	11,900 18,400 33,000 52,500	2,200 1,700 1,200 900	3,300 2,600 1,800 1,400
85	110 125 150 180	19 31 49 72	- 33.1 53.1 77	- 37 58 83	1.5 1.5 2.5 3.5	51117 51217 51317 51417 X	_ 53217 53317 53417 X	_ 53217 U 53317 U 53417 XU	4,700 9,800 21,100 31,500	12,700 22,300 41,000 63,500	2,200 1,600 1,100 850	3,200 2,400 1,700 1,300
90	120 135 155 190	22 35 50 77	- 38.5 54.6 81.2	- 42 59 88	1.5 2 2.5 3.5	51118 51218 51318 51418 X	_ 53218 53318 53418 X	_ 53218 U 53318 U 53418 XU	6,150 11,600 21,900 33,500	16,000 26,200 44,000 69,500	2,000 1,400 1,100 800	3,000 2,200 1,600 1,200
100	135 150 170 210	25 38 55 85	- 40.9 59.2 90	- 45 64 98	1.5 2 2.5 4	51120 51220 51320 51420 X	_ 53220 53320 53420 X	53220 U 53320 U 53420 XU	8,750 13,700 24,300 38,000	22,600 31,500 50,500 83,000	1,700 1,300 1,000 710	2,600 1,900 1,500 1,100



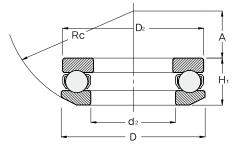


		Dimens	ions(mn	n)			Abutment	and fillet di	mensions(mm)		Weight(ko	3)	Bearing
D2	d ₂	d ₃	D ₁	w	Rc	Α	Dc(min)	dc(Max)	R (Max)	(A)	(B)	(C)	No
78 90 105 120	57 57 57 57	- 72 80 88	- 95 110 125	9 11.5 15.5	- 72 80 90	- 35 30 28	69 76 85 94	64 69 75 81	0.6 1 1 1.5	0.240 0.610 1.350 2.650	0.620 1.400 2.550	0.800 1.700 3.150	51111 51211 51311 51411
85 95 110 130	62 62 62 62	- 78 85 95	_ 100 115 135	_ 9 11.5 16	- 72 90 100	32.5 41 34	75 81 90 102	70 74 80 88	1 1 1 1.5	0.290 0.690 1.450 3.300	0.690 1.450 3.250	_ 0.880 1.800 4.000	51112 51212 51312 51412
90 100 115 140	67 67 67 68	- 82 90 100	_ 105 120 145	9 12.5 17.5	- 80 90 112	- 40 38.5 40	80 86 95 110	75 79 85 95	1 1 1 2	0.340 0.770 1.550 4.200	0.750 1.600 4.200	0.960 1.950 5.000	51113 51213 51313 51413
95 105 125 150	72 72 72 73	- 88 98 110	- 110 130 155	9 13 19.5	- 80 100 112	- 38 43 34	85 91 103 118	80 84 92 102	1 1 1 2	0.360 0.810 2.050 5.100	0.800 2.150 5.000	1.000 2.550 6.100	51114 51214 51314 51414
100 110 135 160	77 77 77 78	- 92 105 115	_ 115 140 165	- 9.5 15 21	- 90 100 125	- 49 37 42	90 96 111 125	85 89 99 110	1 1 1.5 2	0.420 0.860 2.700 6.350	0.850 2.700 6.250	1.100 3.250 7.600	51115 51215 51315 51415
105 115 140 170	82 82 82 83	- 98 110 125	_ 120 145 175	_ 10 15 22	- 90 112 125	- 46 50 36	95 101 116 133	90 94 104 117	1 1 1.5 2	0.430 0.950 2.800 7.500	0.930 2.850 7.350	1.500 3.450 8.850	51116 51216 51316 51416
110 125 150 177	87 88 88 88	_ 105 115 130	130 155 185	- 11 17.5 23	- 100 112 140	- 52 43 47	100 109 124 141	95 101 111 124	1 1 1.5 2	0.460 1.300 3.650 9.000	1.200 3.650 9.000	1.600 4.450 10.500	51117 51217 51317 51417 X
120 135 155 187	92 93 93 93	_ 110 120 140	_ 140 160 195	_ 13.5 18 25.5	- 100 112 140	- 45 40 40	108 117 129 149	102 108 116 131	1 1 1.5 2	0.680 1.750 3.900 10.500	1.750 3.850 10.500	2.250 4.700 12.500	51118 51218 51318 51418 X
135 150 170 205	102 103 103 103	_ 125 135 155	_ 155 175 220	- 14 18 27	- 112 125 160	_ 52 46 50	121 130 142 165	114 120 128 145	1 1 1.5 2.5	0.990 2.350 5.100 15.000	_ 2.350 5.100 15.000	2.900 6.050 17.000	51120 51220 51320 51420 X

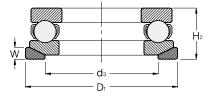
Single Direction







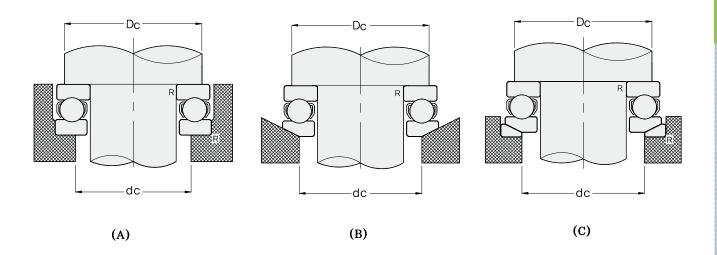
Spherical Housing Washer(B)



Spherical Housing Washer and Seating Ring(C)

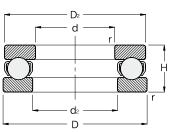
	Di	imension	ıs(mm)			Bea	aring Seri	es	Load Ra	ating(Kgf)	Limiting Speed(rpm)	
d	D	Н	H ₁	H ₂	r	(A)	(B)	(C)	С	Со	Grease	Oil
110	145 160 190 230	25 38 63 95	- 40.2 67.2 99.7	45 72 109	1.5 2 3 4	51122 51222 51322 X 51422 X	- 53222 53322 X 53422 X	_ 53222 U 53322 XU 53422 XU	8,950 13,900 28,800 42,000	23,500 33,500 63,500 97,500	1,600 1,200 900 630	2,400 1,900 1,300 950
120	155 170 210 250	25 39 70 102	_ 40.8 74.1 107.3	- 46 80 118	1.5 2 3.5 5	51124 51224 51324 X 51424 X	53224 53324 X 53424 X	_ 53224 U 53324 XU 53424 XU	9,150 14,400 33,500 49,000	26,000 36,500 78,500 118,000	1,600 1,200 800 600	2,400 1,800 1,200 850
130	170 190 225 270	30 45 75 110	47.9 80.3 115.2	53 86 128	1.5 2.5 3.5 5	51126 51226 X 51326 X 51426 X	53226 X 53326 X 53426 X	53226 XU 53326 XU 53426 XU	10,700 18,700 35,500 53,500	28,600 46,500 86,500 134,000	1,400 1,100 750 530	2,000 1,600 1,100 800
140	180 200 240 280	31 46 80 112	48.6 84.9 117	55 92 131	1.5 2.5 3.5 5	51128 X 51228 X 51328 X 51428 X	_ 53228 X 53328 X 53428 X	_ 53228 XU 53328 XU 53428 XU	11,000 18,900 37,500 56,500	31,000 48,500 95,000 148,000	1,300 1,000 670 530	2,000 1,500 1,000 750
150	190 215 250 300	31 50 80 120	53.3 83.7 125.9	60 92 140	1.5 2.5 3.5 5	51130 X 51230 X 51330 X 51430 X	53230 X 53330 X 53430 X	53230 XU 53330 XU 53430 XU	11,200 24,300 39,000 63,000	33,000 62,000 101,000 170,000	1,300 950 670 480	1,900 1,400 1,000 710
160	200 225 270 320	31 51 87 130	54.7 91.7 135.3	- 61 100 150	1.5 2.5 4 6	51132 X 51232 X 51332 X 51432 X	53232 X 53332 X 53432 X	_ 53232 XU 53332 XU 53432 XU	11,500 25,400 48,500 66,000	35,000 68,000 124,000 187,000	1,200 900 600 450	1,900 1,300 900 670
170	215 240 280 340	34 55 87 135	58.7 91.3 141	65 100 156	2 2.5 4 6	51134 X 51234 X 51334 X 51434 X	53234 X 53334 X 53434 X	53234 XU 53334 XU 53434 XU	13,800 28,500 47,500 73,000	42,000 77,000 133,000 210,000	1,100 850 600 430	1,700 1,200 900 630
180	225 250 300 360	34 56 95 140	- 58.2 99.3 148.3	- 66 109 164	2 2.5 4 6	51136 X 51236 X 51336 X 51436 X	_ 53236 X 53336 X 53436 X	_ 53236 XU 53336 XU 53436 XU	13,800 28,900 49,000 76,500	44,500 80,500 142,000 230,000	1,100 800 560 400	1,700 1,200 800 600
190	240 270 320	37 62 105	_ 65.7 111	- 73 121	2 3 5	51138 X 51238 X 51338 X	_ 53238 X 53338 X	_ 53238 XU 53338 XU	17,500 32,500 56,000	52,500 93,500 165,000	1,000 750 500	1,500 1,100 750

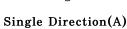


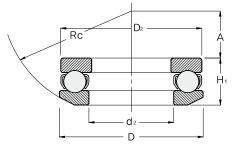


		Dimensi	ions(mn	1)			Abutment	and fillet d	imensions(mm)		Weight(kg)	Bearing
D2	d₂	d ₃	D ₁	w	Rc	Α	Dc(min)	dc(Max)	R (Max)	(A)	(B)	(C)	No
145 160 187 225	112 113 113 113	_ 135 150 170	- 165 195 240	_ 14 20.5 29	_ 125 140 180	- 65 51 59	131 140 158 181	124 130 142 159	1 1 2 2.5	1.10 2.50 7.50 20.00	_ 2.40 7.50 20.00	_ 3.00 8.70 24.00	51122 51222 51322 X 51422 X
155 170 205 245	122 123 123 123	- 145 165 185	_ 175 220 260	15 22 32	- 125 160 200	- 61 63 70	141 150 173 196	134 140 157 174	1 1 2 3	1.15 2.85 10.50 25.50	2.80 10.00 25.00	3.55 12.00 30.00	51124 51224 51324 X 51424 X
170 187 220 265	132 133 134 134	_ 160 177 200	_ 195 235 280	17 26 38	- 140 160 200	- 67 53 58	154 166 186 212	146 154 169 188	1 1.5 2 3	1.70 4.20 12.50 32.00	4.10 12.50 31.00	5.00 15.00 37.50	51126 51226 X 51326 X 51426 X
178 197 235 275	142 143 144 144	_ 170 190 206	210 250 290	17 26 38	- 160 180 225	- 87 68 83	164 176 199 222	156 164 181 198	1 1.5 2 3	1.90 4.55 16.00 34.50	4.45 15.50 33.50	5.65 18.50 40.50	51128 X 51228 X 51328 X 51428 X
188 212 245 295	152 153 154 154	180 200 225	_ 225 260 310	_ 20.5 26 41	- 160 200 225	- 79 89.5 69	174 189 209 238	166 176 191 212	1 1.5 2 3	2.00 5.75 16.50 42.50	5.60 16.00 40.50	- 7.25 19.00 48.50	51130 X 51230 X 51330 X 51430 X
198 222 265 315	162 163 164 164	_ 190 215 240	235 280 330	_ 21 29 41.5	_ 160 200 250	- 74 77 84	184 199 225 254	176 186 205 226	1 1.5 2.5 4	2.10 6.25 21.50 52.00	5.80 21.50 51.00	8.60 25.50 60.50	51132 X 51232 X 51332 X 51432 X
213 237 275 335	172 173 174 174	200 220 255	_ 250 290 350	21.5 29 46	- 180 225 250	<u>–</u> 91 105 74	197 212 235 270	188 198 215 240	1 1.5 2.5 4	2 80 7.75 22.50 61.00	7.40 22.50 59.00	9.50 27.00 70.00	51134 X 51234 X 51334 X 51434 X
222 247 295 355	183 183 184 184	_ 210 240 270	_ 260 310 370	21.5 32 46.5	_ 200 225 280	_ 112 91 97	207 222 251 286	198 208 229 254	1 1.5 2.5 4	2.95 8.30 28.50 70.50	_ 7.70 27.50 70.00	10.00 32.50 82.50	51136 X 51236 X 51336 X 51436 X
237 267 315	193 194 195	230 255	_ 280 330	 23 33	_ 200 250	- 98 104	220 238 266	210 222 244	1 2 3	3.80 12.00 36.50	_ 11.50 37.00	14.00 43.00	51138 X 51238 X 51338 X

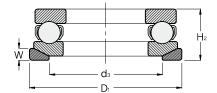
| Single Direction







Spherical Housing Washer(B)



Spherical Housing Washer and Seating Ring(C)

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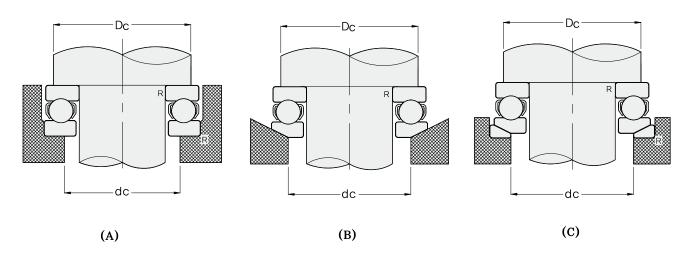
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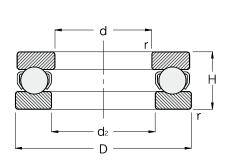
	D	imensior	ns(mm)			Bea	aring Seri	es	Load Ra	nting(Kgf)	Limiting Speed(rpm)	
		Н										
d	D	Н	Н,	H₂	r	(A)	(B)	(C)	С	Со	Grease	Oil
200	250	37	_	_	2	51140 X	_	_	17,600	54,000	1,000	1,500
	280	62	65,3	74	3	51240 X	53240 X	53240 XU	32,500	93,500	710	1,100
	340	110	118.4	130	5	51340 X	53340 X	53340 XU	61,500	188,000	480	710
220	270	37	_	_	2	51144 X	_	_	18,200	58,500	950	1,400
	300	63	65.6	75	3	51244 X	53244 X	53244 XU	33,500	102,000	710	1,000
240	300	45	_	_	2.5	51148 X	_	_	23,400	77,500	800	1,200
	340	78	81.6	92	3.5	51248 X	53248 X	53248 XU	43,000	139,000	560	850
260	320	45	_	_	2.5	51152 X	_	_	23,800	84,000	800	1,200
	360	79	82.8	93	3.5	51252 X	53252 X	53252 XU	43,500	146,000	560	800
280	350	53	_	_	2.5	51156 X	_	_	32,000	111,000	710	1,000
	380	80	85	94	3.5	51256 X	53256 X	53256 XU	46,000	165,000	530	800
300	380	62	_	_	3	51160 X	_	_	36,500	132,000	600	900
	420	95	100.5	112	4	51260 X	53260 X	53260 XU	55,000	204,000	450	670
320	400	63	_	_	3	51164 X	_	_	37,500	140,000	600	900
	440	95	100.5	112	4	51264 X	53264 X	53264 XU	59,500	226,000	450	670
340	420	64	_	_	3	51168 X	_	_	38,500	148,000	560	850
	460	96	100.3	113	4	51268 X	53268 X	53268 XU	60,500	236,000	430	650
360	440	65	_	_	3	51172 X	_	_	39,000	157,000	560	800
	500	110	116.7	130	5	51272 X	53272 X	53272 XU	72,000	295,000	380	560
380	460	65	_	_	3	51176 X	_	_	43,800	228,400	500	670
400	480	65	_	_	3	51180 X	_	_	44,800	236,500	500	670
420	500	65	_	_	3	51184 X	_	_	44,800	249,800	480	630
440	540	80	_	_	3	51188 X	_	_	54,000	305,900	430	560
460	560	80	_	-	3	51192 X	_	_	54,000	316,100	430	560
480	580	80	_	_	3	51196 X	_	_	55,000	331,400	400	530
500	600	80	_	_	3	511/500	_	_	56,000	341,600	400	530
530	640	85	_	_	3	511/530	_	_	63,200	397,600	360	480
560	670	85	_		3	511/560	_	_	64,200	423,100	360	480

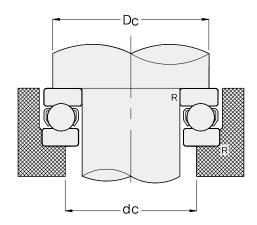




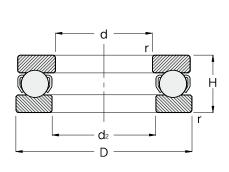
		Dimen	sions(m	ım)			Abutment a	nd fillet dim	ensions(mm)	W	eight(K	g)	Bearing
D ₂	d₂	d₃	D ₁	w	Rc	Α	Dc(min)	dc(max)	R(max)	(A)	(B)	(C)	No
247 277 335	203 204 205	_ 240 270	_ 290 350	_ 23 38	_ 225 250	_ 125 92	230 248 282	220 232 258	1 2 3	3.95 12.50 43.50	_ 12.00 43.50	_ 15.00 52.00	51140X 51240X 51340X
267 297 297 335	223 224 243 244	260 - 290	- 310 - 350	_ 25 _ 30	225 - 250	118 - 122	250 268 276 299	240 252 264 281	1 2 1.5 2	4.30 13.50 6.95 23.50	_ 13.00 _ 21.50	- 16.00 - 26.00	51144X 51244X 51148X 51248X
317 355 347 375	263 264 283 284	- 305 - 325	- 370 - 390	30 - 31	280 - 280	152 - 143	296 319 322 339	284 301 308 321	1.5 2 1.5 2	7.45 25.50 12.00 27.50	23.00 - 25.00	29.00 - 31.50	51152X 51252X 51156X 51256X
376 415 396 435	304 304 324 325	- 360 - 380	- 430 - 450	- 34 - 36	- 320 - 320	- 164 - 157	348 371 368 391	332 349 352 369	2 2.5 2 2.5	17.50 43.00 19.00 45.50	- 41.50 - 44.00	- 50.00 - 53.50	51160X 51260X 51164X 51264X
416 455 436 495	344 345 364 365	- 400 - 430	- 470 - 510	- 36 - 43	- 360 - 360	- 199 - 172	388 411 408 442	372 389 392 418	2 2.5 2 3	20.00 48.50 22.00 70.00	- 45.00 - 67.00	- 54.50 - 81.50	51168X 51268X 51172X 51272X
456 476 495 535	384 404 424 444	- - -	- - -	- - -	- - -	- - -	428 448 468 500	412 432 452 480	2 2 2 2.1	22.50 23.50 24.50 40.50		- - -	51176X 51180X 51184X 51188X
555 575 595 635 665	464 484 505 535 565	- - - -	- - - -	- - - -	- - - -	- - - -	520 540 560 596 626	500 520 540 574 604	2.1 2.1 2.1 2.5 2.5	42.00 43.50 45.00 55.00 58.00			51192X 51196X 511/500 511/300 511/560

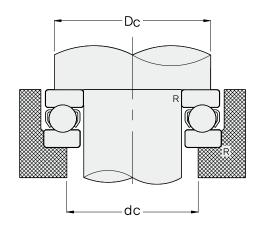
Single Direction



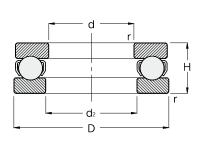


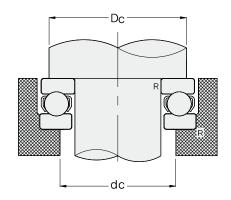
Bearing		Dime	ensions(mm)		Abutment	and Fillet (mm)	Dimensions	S Load Rating(Kgf)		
No	d	d₂ (min)	D	н	r	Dc(min)	dc(max)	R(max)	С	Со	
2900	10	11	26	12	1	19	17	0.6	995	1,390	
2901	12	13	28	12	1	21	19	0,6	1,040	1,540	
2902	15	16	31	12	1	24	22	0.6	1,120	1,850	
2903	18	19	35	12	1	28	25	0.6	1,130	2,010	
2904	20	21	37	12	1	30	27	0.6	1,160	2,160	
2904 1/2	22	23	42	14	1	34	30	0,6	1,480	2,820	
2905	25	26	45	14	1	37	33	0.6	1,510	3,000	
2906	30	32	50	14	1	42	38	0,6	1,580	3,450	
2907	35	37	55	16	1	47	43	0.6	2,340	5,050	
2908	40	42	60	16	1	52	48	0.6	2,450	5,650	
2909	45	47	68	16	1	59	54	0.6	2,540	6,300	
2910	50	52	74	18	1	64	60	0,6	3,000	7,650	
2911	55	57	78	18	1	69	64	0.6	3,150	8,400	
2912	60	62	82	18	1	73	69	0,6	3,200	8,750	
2913	65	67	90	20	1	80	75	0.6	3,250	9,550	
2914	70	72	95	20	1	85	80	0.6	3,400	10,300	
2915	75	77	100	20	1	90	85	0.6	3,500	11,100	
2916	80	82	110	22	1	98	92	0.6	4,500	13,800	
2917	85	87	115	22	1	103	97	0.6	4,650	14,900	
2918	90	92	120	22	1	108	102	0.6	4,700	15,400	
2919	95	97	130	25	1	116	109	0.6	5,900	19,100	
2920	100	102	135	25	1	121	114	0.6	6,100	20,600	
2922	110	112	145	25	1	131	124	0.6	6,850	23,400	
2924	120	122	160	27	1	144	136	0.6	7,700	27,300	





Bearing		Dime	ensions(mm)		Abutment	and Fillet (mm)	Dimensions	Load Rating(Kgf)		
No	d	d₂ (min)	D	н	r	Dc(min)	dc(max)	R(max)	С	Со	
900	10	11	25	12	1	19	16	0.6	995	1,390	
902	15	16	35	14	1	27	23	0.6	1,510	2,300	
904	20	22	40	14	1	32	28	0.6	1,750	3,050	
905	25	27	48	15.5	1	39	34	0.6	2,150	4,100	
906	30	32	53	15.5	1	44	39	0.6	2,280	4,700	
907	35	37	62	18	1	51	46	0.6	3,050	6,350	
908	40	42	64	18	1	55	49	0.6	2,840	6,500	
909	45	47	73	22	1	62	56	0.6	3,900	9,050	
910	50	52	78	22	1	67	61	0.6	4,450	10,500	
911	55	57	88	24.5	1	75	68	0.6	5,450	12,900	
912	60	62	90	24.5	1	78	72	0.6	4,700	12,400	
913	65	67	100	27	1.5	86	79	1	5,500	15,300	
914	70	72	103	27	1.5	90	83	1	5,800	16,100	
915	75	77	110	27	1.5	96	89	1	6,050	16,900	
916	80	82	115	29	1.5	101	94	1	6,800	19,100	
917	85	88	125	30.5	1.5	109	101	1	8,700	23,900	
918	90	93	135	30.5	1.5	117	108	1	10,200	29,000	
920	100	103	150	32.5	1.5	130	120	1	12,100	34,500	
922	110	113	160	40	2	140	130	1	14,000	40,500	
924	120	123	170	43	2	150	140	1	14,200	42,500	



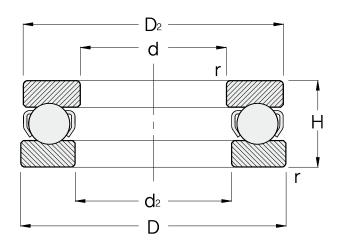


3900

Bearing			ensions(mm)		Abutment	and Fillet [(mm)	Dimensions	Load Rating(Kgf)		
No	d	d₂ (min)	D	Н	r	Dc(min)	dc(max)	R(max)	С	Со	
3905	25	27	52	16	1.5	42	36	1	2,130	4,100	
3906	30	32	60	19	1,5	48	42	1	2,970	5,900	
3907	35	37	68	22	1.5	55	48	1	3,950	8,050	
3908	40	42	76	25	1,5	62	54	1	4,800	9,700	
3909	45	47	85	28	1.5	69	61	1	6,300	13,300	
3910	50	52	92	31	1,5	75	67	1	7,600	16,400	
3911	55	57	100	33	1.5	82	73	1	8,600	19,400	
3912	60	62	106	35	2	88	78	1	9,300	21,300	
3913	65	67	112	36	2	93	84	1	10,000	23,300	
3914	70	72	120	38	2	100	90	1	11,200	27,200	
3915	75	77	128	41	2	107	96	1	12,400	29,800	
3916	80	83	136	44	2	114	102	1	14,300	34,500	
3917	85	88	145	47	2	121	109	1	16,200	39,500	
3918	90	93	155	50	2	129	116	1	18,200	45,000	
3920	100	103	172	57	2	143	129	1	20.600	53.000	

inch

Bearing No		Dime	nsions(mm)	Load Rating(Kgf)			
	d	d₂ (min)	D	Н	r	С	Со
1/2	12,700	13.5	28	12	1	980	1,370
5/8	15.875	16.5	32	12	1	1,060	1,670
3/4	19.050	20.0	35	12	1	1,150	1,780
7/8	22,225	23.0	42	14	1	1,430	2,750
1	25,400	26.5	45	14	1	1,470	2,930
1 1/4	31,750	32.5	53	16	1	2,300	5,000
1 1/2	38,100	40.0	60	16	1	2,450	5,400
2	50,800	52.0	74	18	1	2,850	7,500



Series 0

Series U										
Bearing No		1	Load Rating(Kgf)							
	d	d₂	D ₂	D	Н	r	С	Со		
04	12,700	13.1	31,750	32,544	15.875	0.8	1,300	2,020		
05	15.875	16.3	34.925	35,719	15,875	0.8	1,350	2,220		
06	19.050	19.4	38,100	38.894	15,875	0.8	1,670	2,810		
07	22,225	22.6	41,275	42.069	15.875	0.8	1,790	3,650		
08	25,400	25.8	44.450	45.244	15.875	1.6	2,080	3,800		
09	28.575	29.0	47.625	48.419	15.875	1.6	2,100	3,850		
010	31,750	32.1	52,388	53,181	18,256	1.6	2,180	4,400		
011	34,925	35.3	55,562	56,356	18,256	1.6	2,340	5,050		
012	38,100	38.5	58,738	59,531	18,256	1,6	2,380	5,350		
013	41,275	41.7	61,912	62,706	18,256	1.6	2,440	5,450		
014	44.450	44.8	67.469	68,262	19.050	1.6	2,540	6,300		
015	47.625	48.4	70.644	71,438	19.050	1.6	2,950	7,250		
016	50.800	51.6	74.612	75.406	19.050	2.4	3,000	7,600		
017	53.975	54.8	80,962	81.756	22,225	2.4	3,100	7,700		
018	57,150	57.9	84,138	84,931	22,225	2.4	3,200	8,750		
019	60,325	61.1	90.488	91,281	25,400	2.4	4,400	11,100		
020	63,500	64.3	93,662	94,456	25,400	2.4	3,240	9,550		
021	66,675	67.5	96,838	97,631	25,400	2.4	4,750	13,000		
022	69.850	70.6	101,600	102,394	25.400	2.4	5,680	14,500		
023	73.025	73.8	104,775	105.569	25,400	2.4	5,950	16,100		
024	76,200	77.8	109,538	111,125	28,575	3.2	6,050	16,900		
026	82,550	81.1	120,650	122,238	31.750	3.2	7,650	20,500		
028	88,900	90.5	127,000	128,588	31,750	3,2	7,800	21,600		
030	95,250	96.8	133,350	134,938	31,750	3.2	7,900	22,700		
032	101,600	103.2	146.050	147.638	34,925	3.2	9,500	22,800		
036	114.300	115.9	165,100	166,688	44.450	4.8	12,300	35,500		