

SRG

Deep Groove Ball Bearings



SRG BEARINGS

E-MAIL: SALES@SRG-BEARING.COM

WHATSAPP: +86 18015057295

WEB: [HTTPS://WWW.SRG-BEARING.COM](https://www.srg-bearing.com)

ADD: BEARING INDUSTRIAL PARK, LINQING CITY, LIAOCHENG CITY, SHANDONG PROVINCE, CHINA



About us 公司简介

SRG Bearings is an internationally renowned bearing brand belonging to SRG GROUP LIMITED. It is a bearing factory that integrates bearing production, research and development, and export. We mainly provide roller and ball bearings.

SRG Bearing Factory was established in 1997 and is located in Liaocheng City, Shandong Province. It is a long-standing bearing production enterprise. We have 120 CNC machine tools, 6 bearing processing production lines, and can independently complete bearing production, assembly, precision grinding, heat treatment, and other processes. The inner bore size range is from 3mm to 6.5m, and the weight range is from 10.5g to 2.6 tons.

Our main products include:

Miniature and medium-sized deep groove ball bearings

Double row self-aligning roller bearings

Four-row heavy-duty cylindrical roller bearings

Self-aligning roller bearings

Thrust ball bearings, thrust ball and roller bearings

Single and double row tapered roller bearings

Needle roller bearings

High-precision spindle bearings

Pillow block bearings, shaft sleeves, steel balls

Technical support

Maintenance and repair

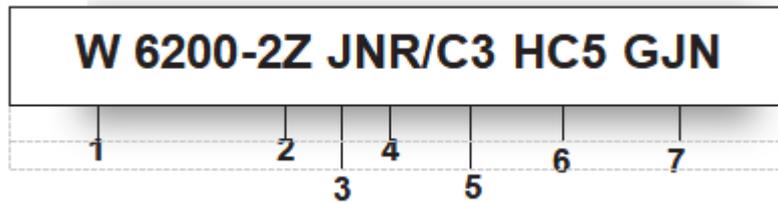
Product training

SRG bearings are widely used in railways, mines, machinery, automobiles, ships, metallurgy, petroleum, electricity, agriculture, textile, and aviation industries.

SRG products have been sold to Europe, Asia, America, and Southeast Asia, which are our most important markets. We have spent a lot of time developing new products while also producing high-quality products. We are popular both domestically and internationally.

We welcome your inquiries and look forward to future cooperation.

Product display



<p>1. Prefix</p> <hr/> <p>R MRC inch series W Stainless</p> <hr/> <p>2. Seals Shields</p> <hr/> <p>FF MRC shield designation SRG Z Metal backed one side of bearing (also SRG 2Z)</p> <p>RS2 As RS1 but of Fluorocarbon rubber for higher temperatures (also 2RS2)</p> <p>RSL As RZ, new design, (also 2RSL)</p> <p>RSH As RS1 new design, (Also 2 RSH) for bearings of 60, 62 and 63 series up to 52mm o/d.</p> <p>RZ Metal backed non-contact seal on one side (Also 2RZ)</p> <p>Z Metal plate ZZ MRC seal designation (SRG 2RS1) ZZ Steel plate on 2 sides</p> <hr/> <p>3. Cage Design</p> <hr/> <p>J Pressed steel cage, rolling element guided</p> <p>JEM Steel cage (J), quiet running, C3 clearance (not marked on bearing)**</p> <p>M Machined brass cage, rolling element guided</p> <p>MA Machined brass cage, outer ring guided</p> <p>TC Phenolic cage, inner ring guided</p>	<p>TN Polyamide cage</p> <p>TN9 Fibreglass reinforced Polyamide</p> <p>Y Pressed Brass cage, ball guided</p> <hr/> <p>4. Modification</p> <hr/> <p>C MRC designation for Cartridge type bearing</p> <p>N Snapping groove</p> <p>NR Snap ring & groove</p> <p>N1,N2 1 or 2 locating notches</p> <p>S MRC Conrad type</p> <p>VL0241 Electrical insulation of outer ring</p> <p>VL2071 Electrical insulation of inner ring</p> <hr/> <p>5. Clearance/Tolerances</p> <hr/> <p>C1 Clearance < C2</p> <p>C2 Clearance < Normal</p> <p>C0,CN Normal not shown</p> <p>C3 Clearance > C0 or CN</p> <p>C4 Clearance > C3</p> <p>C78 P5 or ABEC 5 tolerance C782 C78 + C2 C783 C78 + C3</p> <p>P5 Tolerance to ISO class 5 or ABEC 5</p> <p>** If sealed, use GJN grease</p>	<p>6. Special offerings</p> <hr/> <p>HC4 Full Ceramic bearing HC5 Ceramic ball set HYB MRC hybrid bearing</p> <p>VA201 Special specification for kiln trucks</p> <p>VA 208 Graphite segment cage for hi- temp applications</p> <p>VA 228 Graphite cage for hi-temp applications</p> <hr/> <p>7. Lubrication</p> <hr/> <p>GJN Di-urea, Hi-temp. 115 cSt @ 40°C, range -40°C to + 150°C</p> <p>GMB Lithium, Medium temp. 120 cSt @ 40°C, -30°C to + 110°C</p> <p>HT 51 Polyurea hi-temp, 110 cSt @ 40°C, -30°C to + 140°C</p> <p>LHT 23 Lithium, Wide range, 26 cSt @ 40°C, -50°C to + 140°C</p> <p>LHT 30 Lithium, Wide range, 74 cSt @ 40°C, -40°C to +180°C</p> <p>LHT 64 Clay, Wide range, 13 cSt @ 40°C, -73°C to + 149°C</p> <p>MT33* Lithium, Medium temp. 74 cSt @ 40°C, -30°C to + 120°C</p> <p>MT47* Lithium, Medium temp. 70 cSt @ 40°C, -30°C to + 110°C</p> <p>W64 Solid oil, various types available depending on the temperature range.</p> <p>* See page 31 (top)</p>
---	--	--

Technical Features

Boundary Dimensions	In accordance with ISO 15:1998
Tolerances	<52mm OD ABEC 5 (ISO P5) 52mm <110 mm ABEC 3 (ISO P6) >110 mm OD ABEC 1 (Normal)
Heat Stabilization	257°F (125°C) Operating temperature -40°C to + 100°C or 120°C for short periods
Misalignment	2 minutes of arc
Cage Material Standard	Steel (J generally not shown) Optional Machined brass (M, MA) Polyamide (TN9)
Axial load - max	0.5xC ₀ for 6200, 6300 and 6400 series 0.25xC ₀ for 61800, 61900 and 6000 series
Seals and Shields	2RS1 - Nitrile rubber seals 2RS2 - Fluorocarbon seals (high temp) 2RZ - Nitrile rubber seals non-contact 2RSL - Nitrile rubber seals non-contact, new design 2RSH - Nitrile rubber seals, new design 2Z - Metal shields



Single Row Deep Groove Ball Bearing Max Type

Principal dimensions			Basic load ratings					Fatigue load	Speed ratings		Mass	Designation
d	D	B	dynamic	static				Reference	Limiting			
mm			d	D	B	C	C ₀	limit P _u	speed	speed	kg	–
3	10	4	0.118	0.394	0.157	0.54	0.18	0.007	130,000	80,000	0.0015	623
4	9	2.5	0.157	0.354	0.098	0.54	0.18	0.007	140,000	85,000	0.0007	618/4
	11	4		0.433	0.157	0.715	0.232	0.01	130,000	80,000	0.0017	619/4
	12	4		0.472	0.157	0.806	0.28	0.012	120,000	75,000	0.0021	604
	13	5		0.512	0.197	0.936	0.29	0.012	110,000	67,000	0.0031	624
	16	5		0.630	0.197	1.11	0.38	0.016	95,000	60,000	0.0054	634
5	11	3	0.197	0.433	0.118	0.637	0.255	0.011	120,000	75,000	0.0012	618/5
	13	4		0.512	0.157	0.884	0.34	0.014	110,000	67,000	0.0025	619/5
	16	5		0.630	0.197	1.14	0.38	0.016	95,000	60,000	0.005	* 625
	19	6		0.748	0.236	2.34	0.95	0.04	80,000	50,000	0.009	* 635
6	13	3.5	0.236	0.512	0.138	0.884	0.345	0.015	110,000	67,000	0.002	618/6
	15	5		0.591	0.197	1.24	0.475	0.02	100,000	63,000	0.0039	619/6
	19	6		0.748	0.236	2.34	0.95	0.04	80,000	50,000	0.0084	* 626
7	14	3.5	0.276	0.551	0.138	0.956	0.4	0.017	100,000	63,000	0.0022	618/7
	17	5		0.669	0.197	1.48	0.56	0.024	90,000	56,000	0.0049	619/7
	19	6		0.748	0.236	2.34	0.95	0.04	85,000	53,000	0.0075	* 607
	22	7		0.866	0.276	3.45	1.37	0.057	70,000	45,000	0.013	* 627
8	16	4	0.315	0.630	0.157	1.33	0.57	0.024	90,000	56,000	0.003	618/8
	19	6		0.748	0.236	1.9	0.735	0.031	80,000	50,000	0.0071	619/8
	22	7		0.866	0.276	3.45	1.37	0.057	75,000	48,000	0.012	* 608
	24	8		0.945	0.315	3.9	1.66	0.071	63,000	40,000	0.017	* 628
9	17	4	0.354	0.669	0.157	1.43	0.64	0.027	85,000	53,000	0.0034	618/9
	20	6		0.787	0.236	2.08	0.865	0.036	80,000	48,000	0.0076	619/9
	24	7		0.945	0.276	3.9	1.66	0.071	70,000	43,000	0.014	* 609
	26	8		1.024	0.315	4.75	1.96	0.083	60,000	38,000	0.02	* 629
10	19	5	0.394	0.748	0.197	1.38	0.585	0.025	80,000	48,000	0.0055	61800
	22	6		0.866	0.236	2.08	0.85	0.036	75,000	45,000	0.01	61900
	26	8		1.024	0.315	4.75	1.96	0.083	67,000	40,000	0.019	* 6000
	28	8		1.102	0.315	4.62	1.96	0.083	63,000	40,000	0.022	16100
	30	9		1.181	0.354	5.4	2.36	0.1	56,000	34,000	0.032	* 6200
	35	11		1.378	0.433	8.52	3.4	0.143	50,000	32,000	0.053	* 6300
12	21	5	0.472	0.827	0.197	1.43	0.67	0.028	70,000	43,000	0.0063	61801
	24	6		0.945	0.236	2.25	0.98	0.043	67,000	40,000	0.011	61901
	28	8		1.102	0.315	5.4	2.36	0.1	60,000	38,000	0.022	* 6001
	30	8		1.181	0.315	5.07	2.36	0.1	56,000	34,000	0.023	16101
	32	10		1.260	0.394	7.28	3.1	0.132	50,000	32,000	0.037	* 6201

Principal dimensions			Basic load ratings					Fatigue	Speed ratings		Mass	Designation
d	D	B	dynamic		static		load	Reference	Limiting			
			d	D	B	C	C ₀	limit P _u	speed	speed		
mm			in			kN		kN	r/min		kg	–
15	24	5	0.591	0.945	0.197	1.56	0.8	0.034	60,000	38,000	0.0074	61802
	28	7		1.102	0.276	4.36	2.24	0.095	56,000	34,000	0.016	61902
	32	8		1.260	0.315	5.85	2.85	0.12	50,000	32,000	0.025	* 16002
	32	9		1.260	0.354	5.85	2.85	0.12	50,000	32,000	0.03	* 6002
	35	11		1.378	0.433	8.06	3.75	0.16	43,000	28,000	0.045	* 6202
	42	13		1.654	0.512	11.9	5.4	0.228	38,000	24,000	0.082	* 6302
17	26	5	0.669	1.024	0.197	1.68	0.93	0.039	56,000	34,000	0.0082	61803
	30	7		1.181	0.276	4.62	2.55	0.108	50,000	32,000	0.018	61903
	35	8		1.378	0.315	6.37	3.25	0.137	45,000	28,000	0.032	* 16003
	35	10		1.378	0.394	6.37	3.25	0.137	45,000	28,000	0.039	* 6003
	40	9		1.575	0.354	9.56	4.75	0.2	38,000	24,000	0.048	98203
	40	12		1.575	0.472	9.95	4.75	0.2	38,000	24,000	0.065	* 6203
	40	12		1.575	0.472	11.4	5.4	0.228	38,000	24,000	0.064	6203 ETN9
	47	14		1.850	0.551	14.3	6.55	0.275	34,000	22,000	0.12	* 6303
62	17		2.441	0.669	22.9	10.8	0.455	28,000	18,000	0.27	6403	
20	32	7	0.787	1.260	0.276	4.03	2.32	0.104	45,000	28,000	0.018	61804
	37	9		1.457	0.354	6.37	3.65	0.156	43,000	26,000	0.038	61904
	42	8		1.654	0.315	7.28	4.05	0.173	38,000	24,000	0.05	* 16004
	42	9		1.654	0.354	7.93	4.5	0.19	38,000	24,000	0.051	98204 Y
	42	12		1.654	0.472	9.95	5	0.212	38,000	24,000	0.069	* 6004
	47	14		1.850	0.551	13.5	6.55	0.28	32,000	20,000	0.11	* 6204
	47	14		1.850	0.551	15.6	7.65	0.325	32,000	20,000	0.096	6204 ETN9
	52	15		2.047	0.591	16.8	7.8	0.335	30,000	19,000	0.14	* 6304
	52	15		2.047	0.591	18.2	9	0.38	30,000	19,000	0.14	6304 ETN9
	72	19		2.835	0.748	30.7	15	0.64	24,000	15,000	0.4	6404
22	50	14	0.866	1.969	0.551	14	7.65	0.325	30,000	19,000	0.12	62/22
	56	16		2.205	0.630	18.6	9.3	0.39	28,000	18,000	0.18	63/22
25	37	7	0.984	1.457	0.276	4.36	2.6	0.125	38,000	24,000	0.022	61805
	42	9		1.654	0.354	7.02	4.3	0.193	36,000	22,000	0.045	61905
	47	8		1.850	0.315	8.06	4.75	0.212	32,000	20,000	0.06	* 16005
	47	12		1.850	0.472	11.9	6.55	0.275	32,000	20,000	0.08	* 6005
	52	9		2.047	0.354	10.6	6.55	0.28	28,000	18,000	0.078	98205
	52	15		2.047	0.591	14.8	7.8	0.335	28,000	18,000	0.13	* 6205
	52	15		2.047	0.591	17.8	9.8	0.4	28,000	18,000	0.12	6205 ETN9
	62	17		2.441	0.669	23.4	11.6	0.49	24,000	16,000	0.23	* 6305
	62	17		2.441	0.669	26	13.4	0.57	24,000	16,000	0.21	6305 ETN9
	80	21		3.150	0.827	35.8	19.3	0.82	20,000	13,000	0.53	6405

Principal dimensions			Basic load ratings					Fatigue load	Speed ratings		Mass	Designation
d	D	B	dynamic	static		C	C ₀	limit	Reference	Limiting		
mm			d	D	B			P _u	speed	speed	kg	–
360	440	38	14.173	17.323	1.496	182	285	6.1	2,600	2,200	12	61872 MA
	480	56		18.898	2.205	291	450	9.15	2,600	2,000	28	61972 MA
	540	57		21.260	2.244	351	550	11	2,400	1,900	49	16072 MA
	540	82		21.260	3.228	462	735	15	2,400	1,900	64.5	6072 M
380	480	46	14.961	18.898	1.811	242	390	8	2,400	2,000	20	61876 MA
	520	65		20.472	2.559	338	540	10.8	2,400	1,900	40	61976 MA
	560	57		22.047	2.244	377	620	12.2	2,200	1,800	51	16076 MA
	560	82		22.047	3.228	462	750	14.6	2,200	1,800	67.5	6076 M
400	500	46	15.748	19.685	1.811	247	405	8.15	2,400	1,900	20.5	61880 MA
	540	65		21.260	2.559	345	570	11.2	2,200	1,800	41.5	61980 MA
	600	90		23.622	3.543	520	865	16.3	2,000	1,700	87.5	6080 M
420	520	46	16.535	20.472	1.811	251	425	8.3	2,200	1,800	21.5	61884 MA
	560	65		22.047	2.559	351	600	11.4	2,200	1,800	43	61984 MA
	620	90		24.409	3.543	507	880	16.3	2,000	1,600	91.5	6084 M
440	540	46	17.323	21.260	1.811	255	440	8.5	2,200	1,800	22.5	61888 MA
	600	74		23.622	2.913	410	720	13.2	2,000	1,600	60.5	61988 MA
	650	94		25.591	3.701	553	965	17.6	1,900	1,500	105	6088 M
460	580	56	18.110	22.835	2.205	319	570	10.6	2,000	1,600	35	61892 MA
	620	72		24.409	2.835	423	750	13.7	1,900	1,600	62.5	61992 MA
	680	100		26.772	3.937	582	1,060	19	1,800	1,500	120	6092 MB
480	600	56	18.898	23.622	2.205	325	600	10.8	1,900	1,600	36.5	61896 MA
	650	78		25.591	3.071	449	815	14.6	1,800	1,500	74	61996 MA
	700	100		27.559	3.937	618	1,140	20	1,700	1,400	125	6096 MB
500	620	56	19.685	24.409	2.205	332	620	11.2	1,800	1,500	40.5	618/500 MA
	670	78		26.378	3.071	462	865	15	1,700	1,400	77	619/500 MA
	720	100		28.346	3.937	605	1,140	19.6	1,600	1,300	135	60/500 N1MAS
530	650	56	20.866	25.591	2.205	332	655	11.2	1,700	1,400	39.5	618/530 MA
	710	82		27.953	3.228	488	930	15.6	1,600	1,300	90.5	619/530 MA
	780	112		30.709	4.409	650	1,270	20.8	1,500	1,200	185	60/530 N1MAS
560	680	56	22.047	26.772	2.205	345	695	11.8	1,600	1,300	42	618/560 MA
	750	85		29.528	3.346	494	980	16.3	1,500	1,200	105	619/560 MA
	820	115		32.283	4.528	663	1,470	22	1,400	1,200	210	60/560 N1MAS
600	730	60	23.622	28.740	2.362	364	765	12.5	1,500	1,200	52	618/600 MA

	800	90		31.496	3.543	585	1,220	19.6	1,400	1,100	125	619/600 MA
630	780	69	24.803	30.709	2.717	442	965	15.3	1,400	1,100	73	618/630 MA
	850	100		33.465	3.937	624	1,340	21.2	1,300	1,100	160	619/630 N1MA
	920	128		36.220	5.039	819	1,760	27	1,200	1,000	285	60/630 N1MBS

Principal dimensions			Basic load ratings					Fatigue load limit P _u	Speed ratings		Mass kg	Designation
d	D	B	dynamic		static				Reference speed	Limiting speed		
mm			d	D	B	C	C ₀	kN	r/min			—
220	270	24	8.661	10.630	0.945	78	110	3	4,500	2,800	3	61844
	300	38		11.811	1.496	151	180	4.75	4,300	3,600	8	61944 MA
	340	37		13.386	1.457	174	204	5.2	4,000	2,400	11.5	16044
	340	56		13.386	2.205	247	290	7.35	4,000	3,200	18.5	6044 M
	400	65		15.748	2.559	296	365	8.8	3,200	3,000	37	6244 M
	460	88		18.110	3.465	410	520	12	3,000	2,600	72.5	6344 M
240	300	28	9.449	11.811	1.102	108	150	3.8	4,000	2,600	4.5	61848
	320	38		12.598	1.496	159	200	5.1	4,000	3,200	8.6	61948 MA
	360	37		14.173	1.457	178	220	5.3	3,600	3,000	14.5	16048 MA
	360	56		14.173	2.205	255	315	7.8	3,600	3,000	19.5	6048 M
	440	72		17.323	2.835	358	465	10.8	3,000	2,600	51	6248 M
	500	95		19.685	3.740	442	585	12.9	2,600	2,400	92.5	6348 M
260	320	28	10.236	12.598	1.102	111	163	4	3,800	2,400	4.8	61852
	360	46		14.173	1.811	212	270	6.55	3,600	3,000	14.5	61952 MA
	400	44		15.748	1.732	238	310	7.2	3,200	2,800	21.5	16052 MA
	400	65		15.748	2.559	291	375	8.8	3,200	2,800	29.5	6052 M
	480	80		18.898	3.150	390	530	11.8	2,600	2,400	65.5	6252 M
280	350	33	11.024	13.780	1.299	138	200	4.75	3,400	2,200	7.4	61856
	380	46		14.961	1.811	216	285	6.7	3,200	2,800	15	61956 MA
	420	44		16.535	1.732	242	335	7.5	3,000	2,600	23	16056 MA
	420	65		16.535	2.559	302	405	9.3	3,000	2,600	31	6056 M
	500	80		19.685	3.150	423	600	12.9	2,600	2,200	71	6256 M
300	380	38	11.811	14.961	1.496	172	245	5.6	3,200	2,600	10.5	61860 MA
	420	56		16.535	2.205	270	375	8.3	3,000	2,400	24.5	61960 MA
	460	50		18.110	1.969	286	405	8.8	2,800	2,400	32	16060 MA
	460	74		18.110	2.913	358	500	10.8	2,800	2,400	44	6060 M
	540	85		21.260	3.346	462	670	13.7	2,400	2,000	88.5	6260 M
320	400	38	12.598	15.748	1.496	172	255	5.7	3,000	2,400	11	61864 MA
	440	56		17.323	2.205	276	400	8.65	2,800	2,400	25.5	61964 MA
	480	50		18.898	1.969	281	405	8.65	2,600	2,200	34	16064 MA

	480	74		18.898	2.913	371	540	11.4	2,600	2,200	46	6064 M
340	420	38	13.386	16.535	1.496	178	275	6	2,800	2,400	11.5	61868 MA
	460	56		18.110	2.205	281	425	9	2,600	2,200	26.5	61968 MA
	520	57		20.472	2.244	345	520	10.6	2,400	2,000	45	16068 MA
	520	82		20.472	3.228	423	640	13.2	2,400	2,000	62	6068 M

Principal dimensions			Basic load ratings					Fatigue load	Speed ratings		Mass	Designation
d	D	B	dynamic	static				Reference	Limiting			
mm			d	D	B	C	C ₀	limit	speed	speed	kg	–
			in			kN		kN	r/min			
150	190	20	5.906	7.480	0.787	48.8	61	1.96	6,700	4,300	1.4	61830
	210	28		8.268	1.102	88.4	93	2.9	6,300	5,300	3.05	61930 MA
	225	24		8.858	0.945	92.2	98	3.05	6,000	3,800	3.15	16030
	225	35		8.858	1.378	125	125	3.9	6,000	3,800	4.8	6030
	270	45		10.630	1.772	174	166	4.9	5,000	3,200	9.4	6230
	320	65		12.598	2.559	276	285	7.8	4,300	4,000	26	6330 M
160	200	20	6.299	7.874	0.787	49.4	64	2	6,300	4,000	1.45	61832
	220	28		8.661	1.102	92.3	98	3.05	6,000	5,000	3.25	61932 MA
	240	25		9.449	0.984	99.5	108	3.25	5,600	3,600	3.7	16032
	240	38		9.449	1.496	143	143	4.3	5,600	3,600	5.9	6032
	290	48		11.417	1.890	186	186	5.3	4,500	3,000	14.5	6232
	340	68		13.386	2.677	276	285	7.65	4,000	3,800	29	6332 M
170	215	22	6.693	8.465	0.866	61.8	78	2.4	6,000	3,600	1.9	61834
	230	28		9.055	1.102	93.6	106	3.15	5,600	4,800	3.4	61934 MA
	260	28		10.236	1.102	119	129	3.75	5,300	3,200	5	16034
	260	42		10.236	1.654	168	173	5	5,300	4,300	7.9	6034 M
	310	52		12.205	2.047	212	224	6.1	4,300	3,800	17.5	6234 M
	360	72		14.173	2.835	312	340	8.8	3,800	3,400	34.5	6334 M
180	225	22	7.087	8.858	0.866	62.4	81.5	2.45	5,600	3,400	2	61836
	250	33		9.843	1.299	119	134	3.9	5,300	4,300	5.05	61936 MA
	280	31		11.024	1.220	138	146	4.15	4,800	4,000	6.6	16036
	280	46		11.024	1.811	190	200	5.6	4,800	4,000	10.5	6036 M
	320	52		12.598	2.047	229	240	6.4	4,000	3,600	18.5	6236 M
	380	75		14.961	2.953	351	405	10.4	3,600	3,200	42.5	6336 M
190	240	24	7.480	9.449	0.945	76.1	98	2.8	5,300	3,200	2.6	61838
	260	33		10.236	1.299	117	134	3.8	5,000	4,300	5.25	61938 MA
	290	31		11.417	1.220	148	166	4.55	4,800	3,000	7.9	16038
	290	46		11.417	1.811	195	216	5.85	4,800	3,800	11	6038 M

	340	55		13.386	2.165	255	280	7.35	3,800	3,400	23	6238 M
	400	78		15.748	3.071	371	430	10.8	3,400	3,000	49	6338 M
200	250	24	7.874	9.843	0.945	76.1	102	2.9	5,000	3,200	2.7	61840
	280	38		11.024	1.496	148	166	4.55	4,800	3,800	7.4	61940 MA
	310	34		12.205	1.339	168	190	5.1	4,300	2,800	8.85	16040
	310	51		12.205	2.008	216	245	6.4	4,300	3,600	14	6040 M
	360	58		14.173	2.283	270	310	7.8	3,600	3,200	28	6240 M

Principal dimensions			Basic load ratings					Fatigue load	Speed ratings		Mass	Designation
d	D	B	dynamic	static		C	C ₀	limit P _u	Reference	Limiting		
			d	D	B				speed	speed		
mm			in			kN		kN	r/min		kg	–
100	125	13	3.937	4.921	0.512	19.9	24	0.95	10,000	6,300	0.31	61820
	140	20		5.512	0.787	42.3	41	1.63	9,500	6,000	0.83	61920
	150	16		5.906	0.630	46.2	44	1.73	9,500	5,600	0.91	* 16020
	150	24		5.906	0.945	63.7	54	2.04	9,500	5,600	1.25	* 6020
	180	34		7.087	1.339	127	93	3.35	7,500	4,800	3.15	* 6220
	215	47		8.465	1.850	174	140	4.75	6,700	4,300	7	6320
105	130	13	4.134	5.118	0.512	20.8	19.6	1	10,000	6,300	0.32	61821
	145	20		5.709	0.787	44.2	44	1.7	9,500	5,600	0.87	61921
	160	18		6.299	0.709	54	51	1.86	8,500	5,300	1.2	* 16021
	160	26		6.299	1.024	76.1	65.5	2.4	8,500	5,300	1.6	* 6021
	190	36		7.480	1.417	140	104	3.65	7,000	4,500	3.7	* 6221
	225	49		8.858	1.929	182	153	5.1	6,300	4,000	8.25	6321
110	140	16	4.331	5.512	0.630	28.1	26	1.25	9,500	5,600	0.6	61822
	150	20		5.906	0.787	43.6	45	1.66	9,000	5,600	0.9	61922
	170	19		6.693	0.748	60.2	57	2.04	8,000	5,000	1.45	* 16022
	170	28		6.693	1.102	85.2	73.5	2.4	8,000	5,000	1.95	* 6022
	200	38		7.874	1.496	151	118	4	6,700	4,300	4.35	* 6222
	240	50		9.449	1.969	203	180	5.7	6,000	3,800	9.55	6322
120	150	16	4.724	5.906	0.630	29.1	28	1.29	8,500	5,300	0.65	61824
	165	22		6.496	0.866	55.3	57	2.04	8,000	5,000	1.2	61924
	180	19		7.087	0.748	63.7	64	2.2	7,500	4,800	1.6	* 16024
	180	28		7.087	1.102	88.4	80	2.75	7,500	4,800	2.05	* 6024
	215	40		8.465	1.575	146	118	3.9	6,300	4,000	5.15	6224
	260	55		10.236	2.165	208	186	5.7	5,600	3,400	12.5	6324
130	165	18	5.118	6.496	0.709	37.7	43	1.6	8,000	4,800	0.93	61826
	180	24		7.087	0.945	65	67	2.28	7,500	4,500	1.85	61926

	200	22		7.874	0.866	83.2	81.5	2.7	7,000	4,300	2.35	* 16026
	200	33		7.874	1.299	112	100	3.35	7,000	4,300	3.15	* 6026
	230	40		9.055	1.575	156	132	4.15	5,600	3,600	5.8	6226
	280	58		11.024	2.283	229	216	6.3	5,000	3,200	17.5	6326 M
140	175	18	5.512	6.890	0.709	39	46.5	1.66	7,500	4,500	0.99	61828
	190	24		7.480	0.945	66.3	72	2.36	7,000	5,600	1.7	61928 MA
	210	22		8.268	0.866	80.6	86.5	2.8	6,700	4,000	2.5	16028
	210	33		8.268	1.299	111	108	3.45	6,700	4,000	3.35	6028
	250	42		9.843	1.654	165	150	4.55	5,300	3,400	7.45	6228
	300	62		11.811	2.441	251	245	7.1	4,800	4,300	22	6328 M

Principal dimensions			Basic load ratings					Fatigue load	Speed ratings		Mass	Designation
d	D	B	dynamic	static				limit P _u	Reference Limiting			
			d	D	B	C	C ₀		speed	speed		
mm			in			kN		kN	r/min		kg	—
75	95	10	2.953	3.740	0.394	12.7	14.3	0.61	14,000	8,500	0.15	61815
	105	16		4.134	0.630	24.2	19.3	0.965	13,000	8,000	0.37	61915
	110	12		4.331	0.472	28.6	27	1.14	13,000	8,000	0.38	16115
	115	13		4.528	0.512	30.2	27	1.14	12,000	7,500	0.46	* 16015
	115	20		4.528	0.787	41.6	33.5	1.43	12,000	7,500	0.64	* 6015
	130	25		5.118	0.984	68.9	49	2.04	10,000	6,700	1.2	* 6215
	160	37		6.299	1.457	119	76.5	3	9,000	5,600	3	* 6315
	190	45		7.480	1.772	153	114	4.15	8,000	5,000	6.8	6415
80	100	10	3.150	3.937	0.394	13	15	0.64	13,000	8,000	0.15	61816
	110	16		4.331	0.630	25.1	20.4	1.02	12,000	7,500	0.4	61916
	125	14		4.921	0.551	35.1	31.5	1.32	11,000	7,000	0.6	* 16016
	125	22		4.921	0.866	49.4	40	1.66	11,000	7,000	0.85	* 6016
	140	26		5.512	1.024	72.8	55	2.2	9,500	6,000	1.4	* 6216
	170	39		6.693	1.535	130	86.5	3.25	8,500	5,300	3.6	* 6316
	200	48		7.874	1.890	163	125	4.5	7,500	4,800	8	6416
85	110	13	3.346	4.331	0.512	19.5	20.8	0.88	12,000	7,500	0.27	61817
	120	18		4.724	0.709	31.9	30	1.25	11,000	7,000	0.55	61917
	130	14		5.118	0.551	35.8	33.5	1.37	11,000	6,700	0.63	* 16017
	130	22		5.118	0.866	52	43	1.76	11,000	6,700	0.89	* 6017
	150	28		5.906	1.102	87.1	64	2.5	9,000	5,600	1.8	* 6217
	180	41		7.087	1.614	140	96.5	3.55	8,000	5,000	4.25	* 6317
	210	52		8.268	2.047	174	137	4.75	7,000	4,500	9.5	6417
90	115	13	3.543	4.528	0.512	19.5	22	0.915	11,000	7,000	0.28	61818

	125	18		4.921	0.709	33.2	31.5	1.23	11,000	6,700	0.59	61918
	140	16		5.512	0.630	43.6	39	1.56	10,000	6,300	0.85	* 16018
	140	24		5.512	0.945	60.5	50	1.96	10,000	6,300	1.15	* 6018
	160	30		6.299	1.181	101	73.5	2.8	8,500	5,300	2.15	* 6218
	190	43		7.480	1.693	151	108	3.8	7,500	4,800	4.9	* 6318
	225	54		8.858	2.126	186	150	5	6,700	4,300	11.5	6418
95	120	13	3.740	4.724	0.512	19.9	22.8	0.93	11,000	6,700	0.3	61819
	130	18		5.118	0.709	33.8	33.5	1.43	10,000	6,300	0.61	61919
	145	16		5.709	0.630	44.8	41.5	1.63	9,500	6,000	0.89	* 16019
	145	24		5.709	0.945	63.7	54	2.08	9,500	6,000	1.2	* 6019
	170	32		6.693	1.260	114	81.5	3	8,000	5,000	2.6	* 6219
	200	45		7.874	1.772	159	118	4.15	7,000	4,500	5.65	* 6319

Principal dimensions			Basic load ratings					Fatigue load	Speed ratings		Mass	Designation
d	D	B	dynamic	static			limit	Reference	Limiting			
mm			d	D	B	C	C ₀	P _u	speed	speed	kg	–
50	65	7	1.969	2.559	0.276	6.76	6.8	0.285	20,000	13,000	0.052	61810
	72	12		2.835	0.472	14.6	11.8	0.5	19,000	12,000	0.14	61910
	80	10		3.150	0.394	16.8	11.4	0.56	18,000	11,000	0.18	* 16010
	80	16		3.150	0.630	22.9	16	0.71	18,000	11,000	0.26	* 6010
	90	20		3.543	0.787	37.1	23.2	0.98	15,000	10,000	0.46	* 6210
	110	27		4.331	1.063	65	38	1.6	13,000	8,500	1.05	* 6310
	130	31		5.118	1.220	87.1	52	2.2	12,000	7,500	1.9	6410
55	72	9	2.165	2.835	0.354	9.04	8.8	0.38	19,000	12,000	0.083	61811
	80	13		3.150	0.512	16.5	14	0.6	17,000	11,000	0.19	61911
	90	11		3.543	0.433	20.3	14	0.7	16,000	10,000	0.26	* 16011
	90	18		3.543	0.709	29.6	21.2	0.9	16,000	10,000	0.39	* 6011
	100	21		3.937	0.827	46.2	29	1.25	14,000	9,000	0.61	* 6211
	120	29		4.724	1.142	74.1	45	1.9	12,000	8,000	1.35	* 6311
	140	33		5.512	1.299	99.5	62	2.6	11,000	7,000	2.3	6411
60	78	10	2.362	3.071	0.394	11.9	11.4	0.49	17,000	11,000	0.11	61812
	85	13		3.346	0.512	16.5	14.3	0.6	16,000	10,000	0.2	61912
	95	11		3.740	0.433	20.8	15	0.74	15,000	9,500	0.28	* 16012
	95	18		3.740	0.709	30.7	23.2	0.98	15,000	9,500	0.42	* 6012
	110	22		4.331	0.866	55.3	36	1.53	13,000	8,000	0.78	* 6212
	130	31		5.118	1.220	85.2	52	2.2	11,000	7,000	1.7	* 6312
	150	35		5.906	1.378	108	69.5	2.9	10,000	6,300	2.75	6412

65	85	10	2.559	3.346	0.394	12.4	12.7	0.54	16,000	10,000	0.13	61813
	90	13		3.543	0.512	17.4	16	0.68	15,000	9,500	0.22	61913
	100	11		3.937	0.433	22.5	16.6	0.83	14,000	9,000	0.3	* 16013
	100	18		3.937	0.709	31.9	25	1.06	14,000	9,000	0.44	* 6013
	120	23		4.724	0.906	58.5	40.5	1.73	12,000	7,500	0.99	* 6213
	140	33		5.512	1.299	97.5	60	2.5	10,000	6,700	2.1	* 6313
	160	37		6.299	1.457	119	78	3.15	9,500	6,000	3.3	6413
70	90	10	2.756	3.543	0.394	12.4	13.2	0.56	15,000	9,000	0.14	61814
	100	16		3.937	0.630	23.8	21.2	0.9	14,000	8,500	0.35	61914
	110	13		4.331	0.512	29.1	25	1.06	13,000	8,000	0.43	* 16014
	110	20		4.331	0.787	39.7	31	1.32	13,000	8,000	0.6	* 6014
	125	24		4.921	0.945	63.7	45	1.9	11,000	7,000	1.05	* 6214
	150	35		5.906	1.378	111	68	2.75	9,500	6,300	2.5	* 6314
	180	42		7.087	1.654	143	104	3.9	8,500	5,300	4.85	6414

Principal dimensions			Basic load ratings					Fatigue load	Speed ratings		Mass	Designation
d	D	B	dynamic	static			limit	Reference	Limiting			
mm			d	D	B	C	C ₀	P _u	speed	speed	kg	–
28	58	16	1.102	2.283	0.630	16.8	9.5	0.405	26,000	16,000	0.18	62/28
	68	18		2.677	0.709	25.1	13.7	0.585	22,000	14,000	0.29	63/28
30	42	7	1.181	1.654	0.276	4.49	2.9	0.146	32,000	20,000	0.027	61806
	47	9		1.850	0.354	7.28	4.55	0.212	30,000	19,000	0.051	61906
	55	9		2.165	0.354	11.9	7.35	0.31	28,000	17,000	0.085	* 16006
	55	13		2.165	0.512	13.8	8.3	0.355	28,000	17,000	0.12	* 6006
	62	10		2.441	0.394	15.9	10.2	0.44	22,000	14,000	0.12	98206
	62	16		2.441	0.630	20.3	11.2	0.48	24,000	15,000	0.2	* 6206
	62	16		2.441	0.630	23.4	12.9	0.54	24,000	15,000	0.19	6206 ETN9
	72	19		2.835	0.748	29.6	16	0.67	20,000	13,000	0.35	* 6306
	72	19		2.835	0.748	32.5	17.3	0.74	22,000	14,000	0.33	6306 ETN9
	90	23		3.543	0.906	43.6	23.6	1	18,000	11,000	0.74	6406
35	47	7	1.378	1.850	0.276	4.75	3.2	0.17	28,000	18,000	0.03	61807
	55	10		2.165	0.394	9.56	6.8	0.29	26,000	16,000	0.08	61907
	62	9		2.441	0.354	13	8.15	0.38	24,000	15,000	0.11	* 16007
	62	14		2.441	0.551	16.8	10.2	0.44	24,000	15,000	0.16	* 6007
	72	17		2.835	0.669	27	15.3	0.66	20,000	13,000	0.29	* 6207
	72	17		2.835	0.669	31.2	17.6	0.75	20,000	13,000	0.27	6207 ETN9
	80	21		3.150	0.827	35.1	19	0.82	19,000	12,000	0.46	* 6307
	100	25		3.937	0.984	55.3	31	1.29	16,000	10,000	0.95	6407



Professional Bearing Manufacturer And Supplier

40	52	7	1.575	2.047	0.276	4.94	3.45	0.19	26,000	16,000	0.034	61808
	62	12		2.441	0.472	13.8	10	0.43	24,000	14,000	0.12	61908
	68	9		2.677	0.354	13.8	9.15	0.44	22,000	14,000	0.13	* 16008
	68	15		2.677	0.591	17.8	11.6	0.49	22,000	14,000	0.19	* 6008
	80	18		3.150	0.709	32.5	19	0.8	18,000	11,000	0.37	* 6208
	80	18		3.150	0.709	35.8	20.8	0.88	18,000	11,000	0.34	6208 ETN9
	90	23		3.543	0.906	42.3	24	1.02	17,000	11,000	0.63	* 6308
	110	27		4.331	1.063	63.7	36.5	1.53	14,000	9,000	1.25	6408
45	58	7	1.772	2.283	0.276	6.63	6.1	0.26	22,000	14,000	0.04	61809
	68	12		2.677	0.472	14	10.8	0.47	20,000	13,000	0.14	61909
	75	10		2.953	0.394	16.5	10.8	0.52	20,000	12,000	0.17	* 16009
	75	16		2.953	0.630	22.1	14.6	0.64	20,000	12,000	0.25	* 6009
	85	19		3.346	0.748	35.1	21.6	0.92	17,000	11,000	0.41	* 6209
	100	25		3.937	0.984	55.3	31.5	1.34	15,000	9,500	0.83	* 6309
	120	29		4.724	1.142	76.1	45	1.9	13,000	8,500	1.55	6409

Principal dimensions			Basic load ratings					Fatigue load	Speed ratings		Mass	Designation
d	D	B	dynamic	static				Reference	Limiting			
mm			d	D	B	C	C ₀	limit P _u	speed	speed	kg	–
670	820	69	26.378	32.283	2.717	442	1,000	15.6	1,300	1,100	83.5	618/670 MA
	900	103		35.433	4.055	676	1,500	22.4	1,200	1,000	185	619/670 MA
	980	136		38.583	5.354	904	2,040	30	1,100	900	345	60/670 N1MAS
710	870	74	27.953	34.252	2.913	475	1,100	16.6	1,200	1,000	93.5	618/710 MA
	950	106		37.402	4.173	663	1,500	22	1,100	900	220	619/710 MA
	1,030	140		40.551	5.512	956	2,200	31.5	1,000	850	375	60/710 MA
750	920	78	29.528	36.220	3.071	527	1,250	18.3	1,100	900	110	618/750 MA
	1,000	112		39.370	4.409	761	1,800	25.5	1,000	850	255	619/750 MA
800	980	82	31.496	38.583	3.228	559	1,370	19.3	1,000	850	130	618/800 MA
	1,060	115		41.732	4.528	832	2,040	28.5	950	800	275	619/800 MA
	1,150	155		45.276	6.102	1,010	2,550	34.5	900	750	535	60/800 N1MAS
850	1,030	82	33.465	40.551	3.228	559	1,430	19.6	950	750	140	618/850 MA
900	1,090	85	35.433	42.913	3.346	618	1,600	21.6	850	700	160	618/900 MA
1,000	1,220	100	39.370	48.031	3.937	637	1,800	22.8	750	600	245	618/1000 MA
1,060	1,280	100	41.732	50.394	3.937	728	2,120	26.5	670	560	260	618/1060 MA
1,120	1,360	106	44.094	53.543	4.173	741	2,200	26.5	630	530	315	618/1120 MA
1,180	1,420	106	46.457	55.905	4.173	761	2,360	27.5	560	480	330	618/1180 MB
1,500	1,820	140	59.055	71.653	5.512	1,210	4,400	46.5	380	240	690	618/1500 TN

Principal dimensions						Basic load ratings		Fatigue load	Speed ratings		Mass	Designation	
d	D	B	d	D	B	dynamic C	static C ₀		Reference speed	Limiting speed		sealed both sides	sealed one side
mm			in			kN		kN	r/min		kg	—	
3	10	4	0.118	0.394	0.157	0.54	0.18	0.007	130,000	60,000	0.0015	623-2Z	623-Z
	10	4		0.394	0.157	0.54	0.18	0.007	—	40,000	0.0015	623-2RS1	623-RS1
4	9	3.5	0.157	0.354	0.138	0.54	0.18	0.007	140,000	70,000	0.001	628/4-2Z	—
	9	4		0.354	0.157	0.54	0.18	0.007	140,000	70,000	0.0013	638/4-2Z	—
	11	4		0.433	0.157	0.72	0.23	0.01	130,000	63,000	0.0017	619/4-2Z	—
	12	4		0.472	0.157	0.81	0.28	0.012	120,000	60,000	0.0021	604-2Z	604-Z
	13	5		0.512	0.197	0.94	0.29	0.012	110,000	53,000	0.0031	624-2Z	624-Z
	16	5		0.630	0.197	1.11	0.38	0.016	95,000	48,000	0.0054	634-2Z	634-Z
	16	5		0.630	0.197	1.11	0.38	0.016	95,000	48,000	0.0054	634-2RZ	634-RZ
	16	5		0.630	0.197	1.11	0.38	0.016	—	28,000	0.0054	634-2RS1	634-RS1
5	11	4	0.197	0.433	0.157	0.64	0.26	0.011	120,000	60,000	0.0014	628/5-2Z	—
	11	5		0.433	0.197	0.64	0.26	0.011	120,000	60,000	0.0016	638/5-2Z	—
	13	4		0.512	0.157	0.88	0.34	0.014	110,000	53,000	0.0025	619/5-2Z	—
	16	5		0.630	0.197	1.14	0.38	0.016	95,000	48,000	0.005	* 625-2Z	* 625-Z
	19	6		0.748	0.236	2.34	0.95	0.04	80,000	40,000	0.009	* 635-2Z	* 635-Z
	19	6		0.748	0.236	2.34	0.95	0.04	80,000	40,000	0.009	* 635-2RZ	* 635-RZ
	19	6		0.748	0.236	2.34	0.95	0.04	—	24,000	0.009	* 635-2RS1	* 635-RS1
6	13	5	0.236	0.512	0.197	0.88	0.35	0.015	110,000	53,000	0.0026	628/6-2Z	—
	15	5		0.591	0.197	1.24	0.48	0.02	100,000	50,000	0.0039	619/6-2Z	—
	19	6		0.748	0.236	2.34	0.95	0.04	80,000	40,000	0.0084	* 626-2Z	* 626-Z
	19	6		0.748	0.236	2.34	0.95	0.04	80,000	40,000	0.0084	* 626-2RSL	* 626-RSL
	19	6		0.748	0.236	2.34	0.95	0.04	—	24,000	0.0084	* 626-2RSH	* 626-RSH
7	14	5	0.276	0.551	0.197	0.956	0.4	0.017	100,000	50,000	0.0031	628/7-2Z	—
	17	5		0.669	0.197	1.48	0.56	0.024	90,000	45,000	0.0049	619/7-2Z	—
	19	6		0.748	0.236	2.34	0.95	0.04	85,000	43,000	0.0075	* 607-2Z	* 607-Z
	19	6		0.748	0.236	2.34	0.95	0.04	85,000	43,000	0.0075	* 607-2RSL	* 607-RSL
	19	6		0.748	0.236	2.34	0.95	0.04	—	24,000	0.0075	* 607-2RSH	* 607-RSH
	22	7		0.866	0.276	3.45	1.37	0.057	70,000	36,000	0.013	* 627-2Z	* 627-Z
	22	7		0.866	0.276	3.45	1.37	0.057	70,000	36,000	0.012	* 627-2RSL	* 627-RSL
	22	7		0.866	0.276	3.45	1.37	0.057	—	22,000	0.012	* 627-2RSH	* 627-RSH

Principal dimensions						Basic load ratings		Fatigue load	Speed ratings		Mass	Designation	
d	D	B	d	D	B	dynamic	static		Reference speed	Limiting speed		sealed both sides	sealed one side
mm			in			C	C ₀	P _u	r/min		kg	–	
12	21	5	0.472	0.827	0.197	1.43	0.67	0.028	70,000	36,000	0.0063	61801-2Z	–
	21	5		0.827	0.197	1.43	0.67	0.028	–	20,000	0.0063	61801-2RS1	–
	24	6		0.945	0.236	2.25	0.98	0.043	67,000	32,000	0.011	61901-2Z	–
	24	6		0.945	0.236	2.25	0.98	0.043	–	19,000	0.011	61901-2RS1	–
	28	8		1.102	0.315	5.4	2.36	0.1	60,000	30,000	0.022	* 6001-2Z	* 6001-Z
	28	8		1.102	0.315	5.4	2.36	0.1	60,000	30,000	0.022	* 6001-2RSL	* 6001-RSL
	28	8		1.102	0.315	5.4	2.36	0.1	–	17,000	0.022	* 6001-2RSH	* 6001-RSH
	28	12		1.102	0.472	5.07	2.36	0.1	–	17,000	0.029	63001-2RS1	–
	30	8		1.181	0.315	5.07	2.36	0.1	56,000	28,000	0.023	16101-2Z	–
	30	8		1.181	0.315	5.07	2.36	0.1	–	16,000	0.023	16101-2RS1	–
	32	10		1.260	0.394	7.28	3.1	0.132	50,000	26,000	0.037	* 6201-2Z	* 6201-Z
	32	10		1.260	0.394	7.28	3.1	0.132	50,000	26,000	0.037	* 6201-2RSL	* 6201-RSL
	32	10		1.260	0.394	7.28	3.1	0.132	–	15,000	0.037	* 6201-2RSH	* 6201-RSH
	32	14		1.260	0.551	6.89	3.1	0.132	–	15,000	0.045	62201-2RS1	–
	37	12		1.457	0.472	10.1	4.15	0.176	45,000	22,000	0.06	* 6301-2Z	* 6301-Z
	37	12		1.457	0.472	10.1	4.15	0.176	45,000	22,000	0.06	* 6301-2RSL	* 6301-RSL
37	12		1.457	0.472	10.1	4.15	0.176	–	14,000	0.06	* 6301-2RSH	* 6301-RSH	
37	17		1.457	0.669	9.75	4.15	0.176	–	14,000	0.07	62301-2RS1	–	
15	24	5	0.591	0.945	0.197	1.56	0.8	0.034	60,000	30,000	0.0074	61802-2Z	–
	24	5		0.945	0.197	1.56	0.8	0.034	–	17,000	0.0074	61802-2RS1	–
	28	7		1.102	0.276	4.36	2.24	0.095	56,000	28,000	0.016	61902-2Z	–
	28	7		1.102	0.276	4.36	2.24	0.095	56,000	28,000	0.016	61902-2RZ	–
	28	7		1.102	0.276	4.36	2.24	0.095	–	16,000	0.016	61902-2RS1	–
	32	8		1.260	0.315	5.85	2.85	0.12	50,000	26,000	0.025	* 16002-2Z	* 16002-Z
	32	9		1.260	0.354	5.85	2.85	0.12	50,000	26,000	0.03	* 6002-2Z	* 6002-Z
	32	9		1.260	0.354	5.85	2.85	0.12	50,000	26,000	0.03	* 6002-2RSL	* 6002-RSL
	32	9		1.260	0.354	5.85	2.85	0.12	–	14,000	0.03	* 6002-2RSH	* 6002-RSH
	32	13		1.260	0.512	5.59	2.85	0.12	–	14,000	0.039	63002-2RS1	–
	35	11		1.378	0.433	8.06	3.75	0.16	43,000	22,000	0.045	* 6202-2Z	* 6202-Z
	35	11		1.378	0.433	8.06	3.75	0.16	43,000	22,000	0.045	* 6202-2RSL	* 6202-RSL
	35	11		1.378	0.433	8.06	3.75	0.16	–	13,000	0.045	* 6202-2RSH	* 6202-RSH
	35	14		1.378	0.551	7.8	3.75	0.16	–	13,000	0.054	62202-2RS1	–
	42	13		1.654	0.512	11.9	5.4	0.228	38,000	19,000	0.082	* 6302-2Z	* 6302-Z
	42	13		1.654	0.512	11.9	5.4	0.228	38,000	19,000	0.082	* 6302-2RSL	* 6302-RSL
42	13		1.654	0.512	11.9	5.4	0.228	–	12,000	0.082	* 6302-2RSH	* 6302-RSH	
42	17		1.654	0.669	11.4	5.4	0.228	–	12,000	0.11	62302-2RS1	–	
17	26	5	0.669	1.024	0.197	1.68	0.93	0.039	56,000	28,000	0.0082	61803-2Z	–
	26	5		1.024	0.197	1.68	0.93	0.039	56,000	28,000	0.0082	61803-2RZ	–

	26	5		1.024	0.197	1.68	0.93	0.039	–	16,000	0.0082	61803-2RS1	–
	30	7		1.181	0.276	4.62	2.55	0.108	50,000	26,000	0.018	61903-2Z	–
	30	7		1.181	0.276	4.62	2.55	0.108	50,000	26,000	0.018	61903-2RZ	–
	30	7		1.181	0.276	4.62	2.55	0.108	–	14,000	0.018	61903-2RS1	–
	35	8		1.378	0.315	6.37	3.25	0.137	45,000	22,000	0.032	* 16003-2Z	–
	35	10		1.378	0.394	6.37	3.25	0.137	45,000	22,000	0.039	* 6003-2Z	* 6003-Z
	35	10		1.378	0.394	6.37	3.25	0.137	45,000	22,000	0.039	* 6003-2RSL	* 6003-RSL
	35	10		1.378	0.394	6.37	3.25	0.137	–	13,000	0.039	* 6003-2RSH	* 6003-RSH
	35	14		1.378	0.551	6.05	3.25	0.137	–	13,000	0.052	63003-2RS1	–
	40	12		1.575	0.472	9.95	4.75	0.2	38,000	19,000	0.065	* 6203-2Z	* 6203-Z
	40	12		1.575	0.472	9.95	4.75	0.2	38,000	19,000	0.065	* 6203-2RSL	* 6203-RSL
	40	12		1.575	0.472	9.95	4.75	0.2	–	12,000	0.065	* 6203-2RSH	* 6203-RSH
	40	16		1.575	0.630	9.56	4.75	0.2	–	12,000	0.083	62203-2RS1	–
	47	14		1.850	0.551	14.3	6.55	0.275	34,000	17,000	0.12	* 6303-2Z	* 6303-Z
	47	14		1.850	0.551	14.3	6.55	0.275	34,000	17,000	0.12	* 6303-2RSL	* 6303-RSL
	47	14		1.850	0.551	14.3	6.55	0.275	–	11,000	0.12	* 6303-2RSH	* 6303-RSH
	47	19		1.850	0.748	13.5	6.55	0.275	–	11,000	0.15	62303-2RS1	–
20	32	7	0.787	1.260	0.276	4.03	2.32	0.104	45,000	22,000	0.018	61804-2RZ	–
	32	7		1.260	0.276	4.03	2.32	0.104	–	13,000	0.018	61804-2RS1	–
	37	9		1.457	0.354	6.37	3.65	0.156	43,000	20,000	0.038	61904-2RZ	–
	37	9		1.457	0.354	6.37	3.65	0.156	–	12,000	0.038	61904-2RS1	–
	42	12		1.654	0.472	9.95	5	0.212	38,000	19,000	0.069	* 6004-2Z	* 6004-Z
	42	12		1.654	0.472	9.95	5	0.212	38,000	19,000	0.069	* 6004-2RSL	* 6004-RSL
	42	12		1.654	0.472	9.95	5	0.212	–	11,000	0.069	* 6004-2RSH	* 6004-RSH
	42	16		1.654	0.630	9.36	5	0.212	–	11,000	0.086	63004-2RS1	–
	47	14		1.850	0.551	13.5	6.55	0.28	32,000	17,000	0.11	* 6204-2Z	* 6204-Z
	47	14		1.850	0.551	13.5	6.55	0.28	32,000	17,000	0.11	* 6204-2RSL	* 6204-RSL
	47	14		1.850	0.551	13.5	6.55	0.28	–	10,000	0.11	* 6204-2RSH	* 6204-RSH
	47	18		1.850	0.709	12.7	6.55	0.28	–	10,000	0.13	62204-2RS1	–
	52	15		2.047	0.591	16.8	7.8	0.335	30,000	15,000	0.14	* 6304-2Z	* 6304-Z
	52	15		2.047	0.591	16.8	7.8	0.335	30,000	15,000	0.14	* 6304-2RSL	* 6304-RSL
	52	15		2.047	0.591	16.8	7.8	0.335	–	9,500	0.14	* 6304-2RSH	* 6304-RSH
	52	21		2.047	0.827	15.9	7.8	0.335	–	9,500	0.2	62304-2RS1	–
22	50	14	0.866	1.969	0.551	14	7.65	0.325	–	9,000	0.12	62/22-2RS1	–

Principal dimensions						Basic load ratings		Fatigue load	Speed ratings		Mass	Designation	
d	D	B	d	D	B	dynamic C	static C ₀		limit P _u	Reference speed		Limiting speed	sealed both sides
mm			in			kN		kN	r/min		kg	–	
25	37	7	0.984	1.457	0.276	4.36	2.6	0.125	38,000	19,000	0.022	61805-2RZ	–
	37	7		1.457	0.276	4.36	2.6	0.125	–	11,000	0.022	61805-2RS1	–
	42	9		1.654	0.354	7.02	4.3	0.193	36,000	18,000	0.045	61905-2RZ	–
	42	9		1.654	0.354	7.02	4.3	0.193	–	10,000	0.045	61905-2RS1	–
	47	12		1.850	0.472	11.9	6.55	0.275	32,000	16,000	0.08	* 6005-2Z	* 6005-Z
	47	12		1.850	0.472	11.9	6.55	0.275	32,000	16,000	0.08	* 6005-2RSL	* 6005-RSL
	47	12		1.850	0.472	11.9	6.55	0.275	–	9,500	0.08	* 6005-2RSH	* 6005-RSH
	47	16		1.850	0.630	11.2	6.55	0.275	–	9,500	0.1	63005-2RS1	–
	52	15		2.047	0.591	14.8	7.8	0.335	28,000	14,000	0.13	* 6205-2Z	* 6205-Z
	52	15		2.047	0.591	14.8	7.8	0.335	28,000	14,000	0.13	* 6205-2RSL	* 6205-RSL
	52	15		2.047	0.591	14.8	7.8	0.335	–	8,500	0.13	* 6205-2RSH	* 6205-RSH
	52	18		2.047	0.709	14	7.8	0.335	–	8,500	0.15	62205-2RS1	–
	62	17		2.441	0.669	23.4	11.6	0.49	24,000	13,000	0.23	* 6305-2Z	* 6305-Z
	62	17		2.441	0.669	23.4	11.6	0.49	24,000	13,000	0.23	* 6305-2RZ	* 6305-RZ
62	17		2.441	0.669	23.4	11.6	0.49	–	7,500	0.23	* 6305-2RS1	* 6305-RS1	
62	24		2.441	0.945	22.5	11.6	0.49	–	7,500	0.32	62305-2RS1	–	
30	42	7	1.181	1.654	0.276	4.49	2.9	0.146	32,000	16,000	0.027	61806-2RZ	–
	42	7		1.654	0.276	4.49	2.9	0.146	–	9,500	0.027	61806-2RS1	–
	47	9		1.850	0.354	7.28	4.55	0.212	30,000	15,000	0.051	61906-2RZ	–
	47	9		1.850	0.354	7.28	4.55	0.212	–	8,500	0.051	61906-2RS1	–
	55	13		2.165	0.512	13.8	8.3	0.355	28,000	14,000	0.12	* 6006-2Z	* 6006-Z
	55	13		2.165	0.512	13.8	8.3	0.355	28,000	14,000	0.12	* 6006-2RZ	* 6006-RZ
	55	13		2.165	0.512	13.8	8.3	0.355	–	8,000	0.12	* 6006-2RS1	* 6006-RS1
	55	19		2.165	0.748	13.3	8.3	0.355	–	8,000	0.16	63006-2RS1	–
	62	16		2.441	0.630	20.3	11.2	0.475	24,000	12,000	0.2	* 6206-2Z	* 6206-Z
	62	16		2.441	0.630	20.3	11.2	0.475	24,000	12,000	0.2	* 6206-2RZ	* 6206-RZ
	62	16		2.441	0.630	20.3	11.2	0.475	–	7,500	0.2	* 6206-2RS1	* 6206-RS1
	62	20		2.441	0.787	19.5	11.2	0.475	–	7,500	0.24	62206-2RS1	–
	72	19		2.835	0.748	29.6	16	0.67	20,000	11,000	0.35	* 6306-2Z	* 6306-Z
	72	19		2.835	0.748	29.6	16	0.67	20,000	11,000	0.35	* 6306-2RZ	* 6306-RZ
72	19		2.835	0.748	29.6	16	0.67	–	6,300	0.35	* 6306-2RS1	* 6306-RS1	
72	27		2.835	1.063	28.1	16	0.67	–	6,300	0.48	62306-2RS1	–	

Principal dimensions						Basic load ratings		Fatigue load	Speed ratings		Mass	Designation	
d	D	B	d	D	B	dynamic C	static C ₀	limit P _u	Reference speed	Limiting speed		sealed both sides	sealed one side
mm			in			kN		kN	r/min		kg	–	
35	47	7	1.378	1.850	0.276	4.75	3.2	0.166	28,000	14,000	0.03	61807-2RZ	–
	47	7		1.850	0.276	4.75	3.2	0.166	–	8,000	0.03	61807-2RS1	–
	55	10		2.165	0.394	9.56	6.8	0.29	26,000	13,000	0.08	61907-2RZ	–
	55	10		2.165	0.394	9.56	6.8	0.29	–	7,500	0.08	61907-2RS1	–
	62	14		2.441	0.551	16.8	10.2	0.44	24,000	12,000	0.16	* 6007-2Z	* 6007-Z
	62	14		2.441	0.551	16.8	10.2	0.44	24,000	12,000	0.16	* 6007-2RZ	* 6007-RZ
	62	14		2.441	0.551	16.8	10.2	0.44	–	7,000	0.16	* 6007-2RS1	* 6007-RS1
	62	20		2.441	0.787	15.9	10.2	0.44	–	7,000	0.21	63007-2RS1	–
	72	17		2.835	0.669	27	15.3	0.655	20,000	10,000	0.29	* 6207-2Z	* 6207-Z
	72	17		2.835	0.669	27	15.3	0.655	–	6,300	0.29	* 6207-2RS1	* 6207-RS1
	72	23		2.835	0.906	25.5	15.3	0.655	–	6,300	0.37	62207-2RS1	–
	80	21		3.150	0.827	35.1	19	0.815	19,000	9,500	0.46	* 6307-2Z	* 6307-Z
	80	21		3.150	0.827	35.1	19	0.815	–	6,000	0.46	* 6307-2RS1	* 6307-RS1
	40	80	31		3.150	1.220	33.2	19	0.815	–	6,000	0.66	62307-2RS1
52		7	1.575	2.047	0.276	4.94	3.45	0.186	26,000	13,000	0.034	61808-2RZ	–
52		7		2.047	0.276	4.94	3.45	0.186	–	7,500	0.034	61808-2RS1	–
62		12		2.441	0.472	13.8	10	0.425	24,000	12,000	0.12	61908-2RZ	–
62		12		2.441	0.472	13.8	10	0.425	–	6,700	0.12	61908-2RS1	–
68		15		2.677	0.591	17.8	11.6	0.49	22,000	11,000	0.19	* 6008-2Z	* 6008-Z
68		15		2.677	0.591	17.8	11.6	0.49	22,000	11,000	0.19	* 6008-2RZ	* 6008-RZ
68		15		2.677	0.591	17.8	11.6	0.49	–	6,300	0.19	* 6008-2RS1	* 6008-RS1
68		21		2.677	0.827	16.8	11.6	0.49	–	6,300	0.26	63008-2RS1	–
80		18		3.150	0.709	32.5	19	0.8	18,000	9,000	0.37	* 6208-2Z	* 6208-Z
80		18		3.150	0.709	32.5	19	0.8	18,000	9,000	0.37	* 6208-2RZ	* 6208-RZ
80		18		3.150	0.709	32.5	19	0.8	–	5,600	0.37	* 6208-2RS1	* 6208-RS1
80		23		3.150	0.906	30.7	19	0.8	–	5,600	0.44	62208-2RS1	–
90		23		3.543	0.906	42.3	24	1.02	17,000	8,500	0.63	* 6308-2Z	* 6308-Z
90	23		3.543	0.906	42.3	24	1.02	17,000	8,500	0.63	* 6308-2RZ	* 6308-RZ	
90	23		3.543	0.906	42.3	24	1.02	–	5,000	0.63	* 6308-2RS1	* 6308-RS1	
90	33		3.543	1.299	41	24	1.02	–	5,000	0.89	62308-2RS1	–	

Principal dimensions						Basic load ratings		Fatigue load	Speed ratings		Mass	Designation	
d	D	B	d	D	B	dynamic C	static C ₀	limit P _u	Reference speed	Limiting speed		sealed both sides	sealed one side
mm			in			kN		kN	r/min		kg	–	
45	58	7	1.772	2.283	0.276	6.63	6.1	0.26	22,000	11,000	0.04	61809-2RZ	–
	58	7		2.283	0.276	6.63	6.1	0.26	–	6,700	0.04	61809-2RS1	–
	68	12		2.677	0.472	14	10.8	0.465	2,000	10,000	0.14	61909-2RZ	–
	68	12		2.677	0.472	14	10.8	0.465	–	6,000	0.14	61909-2RS1	–
	75	16		2.953	0.630	22.1	14.6	0.64	20,000	10,000	0.25	* 6009-2Z	* 6009-Z
	75	16		2.953	0.630	22.1	14.6	0.64	–	5,600	0.25	* 6009-2RS1	* 6009-RS1
	75	23		2.953	0.906	20.8	14.6	0.64	–	5,600	0.34	63009-2RS1	–
	85	19		3.346	0.748	35.1	21.6	0.915	17,000	8,500	0.41	* 6209-2Z	* 6209-Z
	85	19		3.346	0.748	35.1	21.6	0.915	–	5,000	0.41	* 6209-2RS1	* 6209-RS1
	85	23		3.346	0.906	33.2	21.6	0.915	–	5,000	0.48	62209-2RS1	–
	100	25		3.937	0.984	55.3	31.5	1.34	15,000	7,500	0.83	* 6309-2Z	* 6309-Z
	100	25		3.937	0.984	55.3	31.5	1.34	–	4,500	0.83	* 6309-2RS1	* 6309-RS1
100	36		3.937	1.417	52.7	31.5	1.34	–	4,500	1.15	62309-2RS1	–	
50	65	7	1.969	2.559	0.276	6.76	6.8	0.285	20,000	10,000	0.052	61810-2RZ	–
	65	7		2.559	0.276	6.76	6.8	0.285	–	6,000	0.052	61810-2RS1	–
	72	12		2.835	0.472	14.6	11.8	0.5	19,000	9,500	0.14	61910-2RZ	–
	72	12		2.835	0.472	14.6	11.8	0.5	–	5,600	0.14	61910-2RS1	–
	80	16		3.150	0.630	22.9	16	0.71	18,000	9,000	0.26	* 6010-2Z	* 6010-Z
	80	16		3.150	0.630	22.9	16	0.71	18,000	9,000	0.26	* 6010-2RZ	* 6010-RZ
	80	16		3.150	0.630	22.9	16	0.71	–	5,000	0.26	* 6010-2RS1	* 6010-RS1
	80	23		3.150	0.906	21.6	16	0.71	–	5,000	0.37	63010-2RS1	–
	90	20		3.543	0.787	37.1	23.2	0.98	15,000	8,000	0.46	* 6210-2Z	* 6210-Z
	90	20		3.543	0.787	37.1	23.2	0.98	15,000	8,000	0.46	* 6210-2RZ	* 6210-RZ
	90	20		3.543	0.787	37.1	23.2	0.98	–	4,800	0.46	* 6210-2RS1	* 6210-RS1
	90	23		3.543	0.906	35.1	23.2	0.98	–	4,800	0.52	62210-2RS1	–
	110	27		4.331	1.063	65	38	1.6	13,000	6,700	1.05	* 6310-2Z	* 6310-Z
110	27		4.331	1.063	65	38	1.6	–	4,300	1.05	* 6310-2RS1	* 6310-RS1	
110	40		4.331	1.575	61.8	38	1.6	–	4,300	1.55	62310-2RS1	–	

Principal dimensions						Basic load ratings		Fatigue load limit P _u	Speed ratings		Mass kg	Designation	
d	D	B	d	D	B	dynamic C	static C ₀		Reference speed	Limiting speed		sealed both sides	sealed one side
mm			in			kN		kN	r/min		kg	–	
55	72	9	2.165	2.835	0.354	9.04	8.8	0.375	19,000	9,500	0.083	61811-2RZ	–
	72	9		2.835	0.354	9.04	8.8	0.375	–	5,300	0.083	61811-2RS1	–
	80	13		3.150	0.512	16.5	14	0.6	17,000	8,500	0.19	61911-2RZ	–
	80	13		3.150	0.512	16.5	14	0.6	–	5,000	0.19	61911-2RS1	–
	90	18		3.543	0.709	29.6	21.2	0.9	16,000	8,000	0.39	* 6011-2Z	* 6011-Z
	90	18		3.543	0.709	29.6	21.2	0.9	–	4,500	0.39	* 6011-2RS1	* 6011-RS1
	100	21		3.937	0.827	46.2	29	1.25	14,000	7,000	0.61	* 6211-2Z	* 6211-Z
	100	21		3.937	0.827	46.2	29	1.25	–	4,300	0.61	* 6211-2RS1	* 6211-RS1
	100	25		3.937	0.984	43.6	29	1.25	–	4,300	0.7	62211-2RS1	–
	120	29		4.724	1.142	74.1	45	1.9	12,000	6,300	1.35	* 6311-2Z	* 6311-Z
	120	29		4.724	1.142	74.1	45	1.9	–	3,800	1.35	* 6311-2RS1	* 6311-RS1
	120	43		4.724	1.693	71.5	45	1.9	–	3,800	1.95	62311-2RS1	–
60	78	10	2.362	3.071	0.394	11.9	11.4	0.49	17,000	8,500	0.11	61812-2RZ	–
	78	10		3.071	0.394	11.9	11.4	0.49	–	4,800	0.11	61812-2RS1	–
	85	13		3.346	0.512	16.5	14.3	0.6	16,000	8,000	0.2	61912-2RZ	–
	85	13		3.346	0.512	16.5	14.3	0.6	–	4,500	0.2	61912-2RS1	–
	95	18		3.740	0.709	30.7	23.2	0.98	15,000	7,500	0.42	* 6012-2Z	* 6012-Z
	95	18		3.740	0.709	30.7	23.2	0.98	15,000	7,500	0.42	* 6012-2RZ	* 6012-RZ
	95	18		3.740	0.709	30.7	23.2	0.98	–	4,300	0.42	* 6012-2RS1	* 6012-RS1
	110	22		4.331	0.866	55.3	36	1.53	13,000	6,300	0.78	* 6212-2Z	* 6212-Z
	110	22		4.331	0.866	55.3	36	1.53	–	4,000	0.78	* 6212-2RS1	* 6212-RS1
	110	28		4.331	1.102	52.7	36	1.53	–	4,000	0.97	62212-2RS1	–
	130	31		5.118	1.220	85.2	52	2.2	11,000	5,600	1.7	* 6312-2Z	* 6312-Z
	130	31		5.118	1.220	85.2	52	2.2	–	3,400	1.7	* 6312-2RS1	* 6312-RS1
130	46		5.118	1.811	81.9	52	2.2	–	3,400	2.5	62312-2RS1	–	
65	85	10	2.559	3.346	0.394	12.4	12.7	0.54	16,000	8,000	0.13	61813-2RZ	–
	85	10		3.346	0.394	12.4	12.7	0.54	–	4,500	0.13	61813-2RS1	–
	90	13		3.543	0.512	17.4	16	0.68	15,000	7,500	0.22	61913-2RZ	–
	90	13		3.543	0.512	17.4	16	0.68	–	4,300	0.22	61913-2RS1	–
	100	18		3.937	0.709	31.9	25	1.06	14,000	7,000	0.44	* 6013-2Z	* 6013-Z
	100	18		3.937	0.709	31.9	25	1.06	–	4,000	0.44	* 6013-2RS1	* 6013-RS1
	120	23		4.724	0.906	58.5	40.5	1.73	12,000	6,000	0.99	* 6213-2Z	* 6213-Z
	120	23		4.724	0.906	58.5	40.5	1.73	–	3,600	0.99	* 6213-2RS1	* 6213-RS1
	120	31		4.724	1.220	55.9	40.5	1.73	–	3,600	1.25	62213-2RS1	–
	140	33		5.512	1.299	97.5	60	2.5	10,000	5,300	2.1	* 6313-2Z	* 6313-Z

	140	33		5.512	1.299	97.5	60	2.5	–	3,200	2.1	* 6313-2RS1	* 6313-RS1
	140	48		5.512	1.890	92.3	60	2.5	–	3,200	3	62313-2RS1	–
Principal dimensions						Basic load ratings		Fatigue load	Speed ratings		Mass	Designation	
d	D	B	d	D	B	dynamic	static		Reference speed	Limiting speed		sealed both sides	sealed one side
mm			in			C	C ₀	P _u	r/min		kg	–	
70	90	10	2.756	3.543	0.394	12.4	13.2	0.56	15,000	7,500	0.14	61814-2RZ	–
	90	10		3.543	0.394	12.4	13.2	0.56	–	4,300	0.14	61814-2RS1	–
	100	16		3.937	0.630	23.8	21.2	0.9	14,000	7,000	0.35	61914-2RZ	–
	100	16		3.937	0.630	23.8	21.2	0.9	–	4,000	0.35	61914-2RS1	–
	110	20		4.331	0.787	39.7	31	1.32	13,000	6,300	0.6	* 6014-2Z	* 6014-Z
	110	20		4.331	0.787	39.7	31	1.32	–	3,600	0.6	* 6014-2RS1	* 6014-RS1
	125	24		4.921	0.945	63.7	45	1.9	11,000	5,600	1.1	* 6214-2Z	* 6214-Z
	125	24		4.921	0.945	63.7	45	1.9	–	3,400	1.1	* 6214-2RS1	* 6214-RS1
	125	31		4.921	1.220	60.5	45	1.9	–	3,400	1.3	62214-2RS1	–
	150	35		5.906	1.378	111	68	2.75	9,500	5,000	2.5	* 6314-2Z	* 6314-Z
	150	35		5.906	1.378	111	68	2.75	–	3,000	2.5	* 6314-2RS1	* 6314-RS1
150	51		5.906	2.008	104	68	2.75	–	3,000	3.55	62314-2RS1	–	
75	95	10	2.953	3.740	0.394	12.7	14.3	0.61	14,000	7,000	0.15	61815-2RZ	–
	95	10		3.740	0.394	12.7	14.3	0.61	–	4,000	0.15	61815-2RS1	–
	105	16		4.134	0.630	24.2	19.3	0.965	13,000	6,300	0.37	61915-2RZ	–
	105	16		4.134	0.630	24.2	19.3	0.965	–	3,600	0.37	61915-2RS1	–
	115	20		4.528	0.787	41.6	33.5	1.43	12,000	6,000	0.64	* 6015-2Z	* 6015-Z
	115	20		4.528	0.787	41.6	33.5	1.43	12,000	6,000	0.64	* 6015-2RZ	* 6015-RZ
	115	20		4.528	0.787	41.6	33.5	1.43	–	3,400	0.64	* 6015-2RS1	* 6015-RS1
	130	25		5.118	0.984	68.9	49	2.04	10,000	5,300	1.2	* 6215-2Z	* 6215-Z
	130	25		5.118	0.984	68.9	49	2.04	–	3,200	1.2	* 6215-2RS1	* 6215-RS1
	160	37		6.299	1.457	119	76.5	3	9,000	4,500	3	* 6315-2Z	* 6315-Z
160	37		6.299	1.457	119	76.5	3	–	2,800	3	* 6315-2RS1	* 6315-RS1	
80	100	10	3.150	3.937	0.394	13	15	0.64	13,000	6,300	0.15	61816-2RZ	–
	100	10		3.937	0.394	13	15	0.64	–	3,600	0.15	61816-2RS1	–
	110	16		4.331	0.630	25.1	20.4	1.02	12,000	6,000	0.4	61916-2RZ	–
	110	16		4.331	0.630	25.1	20.4	1.02	–	3,400	0.4	61916-2RS1	–
	125	22		4.921	0.866	49.4	40	1.66	11,000	5,600	0.85	* 6016-2Z	* 6016-Z
	125	22		4.921	0.866	49.4	40	1.66	–	3,200	0.85	* 6016-2RS1	* 6016-RS1
	140	26		5.512	1.024	72.8	55	2.2	9,500	4,800	1.4	* 6216-2Z	* 6216-Z
	140	26		5.512	1.024	72.8	55	2.2	–	3,000	1.4	* 6216-2RS1	* 6216-RS1
	170	39		6.693	1.535	130	86.5	3.25	8,500	4,300	3.6	* 6316-2Z	* 6316-Z
	170	39		6.693	1.535	130	86.5	3.25	–	2,600	3.6	* 6316-2RS1	* 6316-RS1

Principal dimensions						Basic load ratings		Fatigue load	Speed ratings		Mass	Designation	
d	D	B	d	D	B	dynamic C	static C ₀		limit P _u	Reference speed		Limiting speed	sealed both sides
mm			in			kN		kN	r/min		kg	–	
85	110	13	3.346	4.331	0.512	19.5	20.8	0.88	12,000	6,000	0.27	61817-2RZ	–
	110	13		4.331	0.512	19.5	20.8	0.88	–	3,400	0.27	61817-2RS1	–
	130	22		5.118	0.866	52	43	1.76	11,000	5,300	0.89	* 6017-2Z	* 6017-Z
	130	22		5.118	0.866	52	43	1.76	–	3,000	0.89	* 6017-2RS1	* 6017-RS1
	150	28		5.906	1.102	87.1	64	2.5	9,000	4,500	1.8	* 6217-2Z	* 6217-Z
	150	28		5.906	1.102	87.1	64	2.5	–	2,800	1.8	* 6217-2RS1	* 6217-RS1
	180	41		7.087	1.614	140	96.5	3.55	8,000	4,000	4.25	* 6317-2Z	* 6317-Z
	180	41		7.087	1.614	140	96.5	3.55	–	2,400	4.25	* 6317-2RS1	* 6317-RS1
90	115	13	3.543	4.528	0.512	19.5	22	0.915	11,000	5,600	0.28	61818-2RZ	–
	115	13		4.528	0.512	19.5	22	0.915	–	3,200	0.28	61818-2RS1	–
	140	24		5.512	0.945	60.5	50	1.96	10,000	5,000	1.15	* 6018-2Z	* 6018-Z
	140	24		5.512	0.945	60.5	50	1.96	–	2,800	1.15	* 6018-2RS1	* 6018-RS1
	160	30		6.299	1.181	101	73.5	2.8	8,500	4,300	2.15	* 6218-2Z	* 6218-Z
	160	30		6.299	1.181	101	73.5	2.8	–	2,600	2.15	* 6218-2RS1	* 6218-RS1
	190	43		7.480	1.693	151	108	3.8	7,500	3,800	4.9	* 6318-2Z	* 6318-Z
	190	43		7.480	1.693	151	108	3.8	–	2,400	4.9	* 6318-2RS1	* 6318-RS1
95	120	13	3.740	4.724	0.512	19.9	22.8	0.93	11,000	5,300	0.3	61819-2RZ	–
	120	13		4.724	0.512	19.9	22.8	0.93	–	3,000	0.3	61819-2RS1	–
	130	18		5.118	0.709	33.8	33.5	1.43	–	3,000	0.61	61919-2RS1	–
	145	24		5.709	0.945	63.7	54	2.08	9,500	4,800	1.2	* 6019-2Z	* 6019-Z
	145	24		5.709	0.945	63.7	54	2.08	–	2,800	1.2	* 6019-2RS1	* 6019-RS1
	170	32		6.693	1.260	114	81.5	3	8,000	4,000	2.6	* 6219-2Z	* 6219-Z
	170	32		6.693	1.260	114	81.5	3	–	2,400	2.6	* 6219-2RS1	* 6219-RS1
	200	45		7.874	1.772	159	118	4.15	7,000	3,600	5.65	* 6319-2Z	* 6319-Z

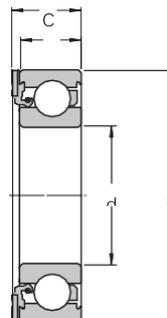
	200	45		7.874	1.772	159	118	4.15	–	2,200	5.65	* 6319-2RS1	* 6319-RS1
100	125	13	3.937	4.921	0.512	19.9	24	0.95	10,000	5,300	0.31	61820-2RZ	–
	125	13		4.921	0.512	19.9	24	0.95	–	3,000	0.31	61820-2RS1	–
	150	24		5.906	0.945	63.7	54	2.04	9,500	4,500	1.25	* 6020-2Z	* 6020-Z
	150	24		5.906	0.945	63.7	54	2.04	–	2,600	1.25	* 6020-2RS1	* 6020-RS1
	180	34		7.087	1.339	127	93	3.35	7,500	3,800	3.15	* 6220-2Z	* 6220-Z
	180	34		7.087	1.339	127	93	3.35	–	2,400	3.15	* 6220-2RS1	* 6220-RS1
	215	47		8.465	1.850	174	140	4.75	6,700	3,400	7	6320-2Z	6320-Z

Principal dimensions						Basic load ratings		Fatigue	Speed ratings		Mass	Designation	
d	D	B	d	D	B	dynamic	static	load	Reference	Limiting		sealed both	sealed one
mm			in			C	C ₀	P _u	speed	speed	–	side	
105	130	13	4.134	5.118	0.512	20.8	19.6	1	10,000	5,000	0.32	61821-2RZ	–
	130	13		5.118	0.512	20.8	19.6	1	–	2,800	0.32	61821-2RS1	–
	160	26		6.299	1.024	76.1	65.5	2.4	8,500	4,300	1.6	* 6021-2Z	* 6021-Z
	160	26		6.299	1.024	76.1	65.5	2.4	–	2,400	1.6	* 6021-2RS1	* 6021-RS1
	190	36		7.480	1.417	140	104	3.65	7,000	3,600	3.7	* 6221-2Z	* 6221-Z
	190	36		7.480	1.417	140	104	3.65	–	2,200	3.7	* 6221-2RS1	* 6221-RS1
	225	49		8.858	1.929	182	153	5.1	6,300	3,200	8.25	6321-2Z	6321-Z
110	140	16	4.331	5.512	0.630	28.1	26	1.25	9,500	4,500	0.6	61822-2RZ	–
	140	16		5.512	0.630	28.1	26	1.25	–	2,600	0.6	61822-2RS1	–
	170	28		6.693	1.102	85.2	73.5	2.4	8,000	4,000	1.95	* 6022-2Z	* 6022-Z
	170	28		6.693	1.102	85.2	73.5	2.4	–	2,400	1.95	* 6022-2RS1	* 6022-RS1
	200	38		7.874	1.496	151	118	4	6,700	3,400	4.35	* 6222-2Z	* 6222-Z
	240	50		9.449	1.969	203	180	5.7	6,000	3,000	9.55	6322-2ZTN9	6322-ZTN9
120	150	16	4.724	5.906	0.630	29.1	28	1.29	8,500	4,300	0.65	61824-2RZ	–
	150	16		5.906	0.630	29.1	28	1.29	–	2,400	0.65	61824-2RS1	–
	180	28		7.087	1.102	88.4	80	2.75	7,500	3,800	2.05	* 6024-2Z	* 6024-Z
	180	28		7.087	1.102	88.4	80	2.75	–	2,200	2.05	* 6024-2RS1	* 6024-RS1
	215	40		8.465	1.575	146	118	3.9	6,300	3,200	5.15	6224-2Z	6224-Z
130	165	18	5.118	6.496	0.709	37.7	43	1.6	8,000	3,800	0.93	61826-2RZ	–
	165	18		6.496	0.709	37.7	43	1.6	–	2,200	0.93	61826-2RS1	–
	200	33		7.874	1.299	112	100	3.35	7,000	3,400	3.15	* 6026-2Z	* 6026-Z
	200	33		7.874	1.299	112	100	3.35	–	2,000	3.15	* 6026-2RS1	* 6026-RS1
	230	40		9.055	1.575	156	132	4.15	5,600	3,000	5.8	6226-2Z	6226-Z
140	175	18	5.512	6.890	0.709	39	46.5	1.66	7,500	3,600	0.99	61828-2RZ	–
	175	18		6.890	0.709	39	46.5	1.66	–	2,000	0.99	61828-2RS1	–
	210	33		8.268	1.299	111	108	3.45	6,700	3,200	3.35	6028-2Z	6028-Z
	210	33		8.268	1.299	111	108	3.45	–	1,800	3.35	6028-2RS1	6028-RS1
150	225	35	5.906	8.858	1.378	125	125	3.9	6,000	3,000	4.8	6030-2Z	6030-Z
	225	35		8.858	1.378	125	125	3.9	–	1,700	4.8	6030-2RS1	6030-RS1
160	240	38	6.299	9.449	1.496	143	143	4.3	5,600	2,800	5.9	6032-2Z	6032-Z
	240	38		9.449	1.496	143	143	4.3	–	1,600	5.9	6032-2RS1	6032-RS1

ICOS™ oil sealed bearing units

d 12 - 30 mm

d 0.472 - 1.181 in

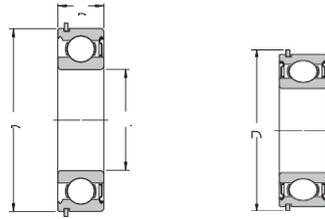


Principal dimensions								Basic load ratings		Fatigue load	Limiting speed	Mass	Designation
d	D	B	C	d	D	B	C	dynamic C	static C ₀	limit P _u			
mm				in				kN		kN	r/min	kg	—
12	32	10	12.6	0.472	1.26	0.394	0.496	7.28	3.1	0.132	14 000	0.041	* ICOS-D1B01-TN9
15	35	11	13.2	0.591	1.378	0.433	0.52	8.06	3.75	0.160	12 000	0.048	* ICOS-D1B02-TN9
17	40	12	14.2	0.669	1.575	0.472	0.559	9.95	4.75	0.200	11 000	0.071	* ICOS-D1B03-TN9
20	47	14	16.2	0.787	1.85	0.551	0.638	13.5	6.55	0.280	9 300	0.11	* ICOS-D1B04-TN9
25	52	15	17.2	0.984	2.047	0.591	0.677	14.8	7.8	0.335	7 700	0.14	* ICOS-D1B05-TN9
30	62	16	19.4	1.181	2.441	0.630	0.764	20.3	11.2	0.475	6 500	0.22	* ICOS-D1B06-TN9

Principal dimensions								Basic load ratings		Fatigue load	Speed ratings		Mass	Designations	snap ring groove and snap ring	Snap ring
								dynamic	static	limit	Reference	Limiting		Bearing with		
d	D	B	D ⁴	d	D	B	D ⁴	C	C ₀	P ₀	speed	speed		snap ring groove		
mm				in				kN		kN	r/min		kg	–		
10	30	9	34.7	0.394	1.181	0.354	1.366	5.4	2.36	0.1	56,000	34,000	0.032	* 6200 N	* 6200 NR	SP 30
12	32	10	36.7	0.472	1.260	0.394	1.445	7.28	3.1	0.132	50,000	32,000	0.037	* 6201 N	* 6201 NR	SP 32
15	35	11	39.7	0.591	1.378	0.433	1.563	8.06	3.75	0.16	43,000	28,000	0.045	* 6202 N	* 6202 NR	SP 35
17	40	12	44.6	0.669	1.575	0.472	1.756	9.95	4.75	0.2	38,000	24,000	0.065	* 6203 N	* 6203 NR	SP 40
	47	14	52.7		1.850	0.551	2.075	14.3	6.55	0.275	34,000	22,000	0.12	* 6303 N	* 6303 NR	SP 47
20	42	12	46.3	0.787	1.654	0.472	1.823	9.5	5	0.212	38,000	24,000	0.069	* 6004 N	* 6004 NR	SP 42
	47	14	52.7		1.850	0.551	2.075	13.5	6.55	0.28	32,000	20,000	0.11	* 6204 N	* 6204 NR	SP 47
	52	15	57.9		2.047	0.591	2.280	16.8	7.8	0.335	30,000	19,000	0.14	* 6304 N	* 6304 NR	SP 52
25	47	12	52.7	0.984	1.850	0.472	2.075	11.9	6.55	0.275	32,000	20,000	0.08	* 6005 N	* 6005 NR	SP 47
	52	15	57.9		2.047	0.591	2.280	14.8	7.8	0.335	28,000	18,000	0.13	* 6205 N	* 6205 NR	SP 52
	62	17	67.7		2.441	0.669	2.665	23.4	11.6	0.49	24,000	16,000	0.23	* 6305 N	* 6305 NR	SP 62
30	55	13	60.7	1.181	2.165	0.512	2.390	13.8	8.3	0.355	28,000	17,000	0.12	* 6006 N	* 6006 NR	SP 55
	62	16	67.7		2.441	0.630	2.665	20.3	11.2	0.475	24,000	15,000	0.2	* 6206 N	* 6206 NR	SP 62
	72	19	78.6		2.835	0.748	3.094	29.6	16	0.67	20,000	13,000	0.35	* 6306 N	* 6306 NR	SP 72
35	62	14	67.7	1.378	2.441	0.551	2.665	16.8	10.2	0.44	24,000	15,000	0.16	* 6007 N	* 6007 NR	SP 62
	72	17	78.6		2.835	0.669	3.094	27	15.3	0.655	20,000	13,000	0.29	* 6207 N	* 6207 NR	SP 72
	80	21	86.6		3.150	0.827	3.409	35.1	19	0.815	19,000	12,000	0.46	* 6307 N	* 6307 NR	SP 80
	100	25	106.5		3.937	0.984	4.193	55.3	31	1.29	16,000	10,000	0.95	6407 N	6407 NR	SP 100
40	68	15	74.6	1.575	2.677	0.591	2.937	17.8	11.6	0.49	22,000	14,000	0.19	* 6008 N	* 6008 NR	SP 68
	80	18	86.6		3.150	0.709	3.409	32.5	19	0.8	18,000	11,000	0.37	* 6208 N	* 6208 NR	SP 80
	90	23	96.5		3.543	0.906	3.799	42.3	24	1.02	17,000	11,000	0.63	* 6308 N	* 6308 NR	SP 90
	110	27	116.6		4.331	1.063	4.591	63.7	36.5	1.53	14,000	9,000	1.25	6408 N	6408 NR	SP 110
45	75	16	81.6	1.772	2.953	0.630	3.213	22.1	14.6	0.64	20,000	12,000	0.25	* 6009 N	* 6009 NR	SP 75
	85	19	91.6		3.346	0.748	3.606	35.1	21.6	0.915	17,000	11,000	0.41	* 6209 N	* 6209 NR	SP 85
	100	25	106.5		3.937	0.984	4.193	55.3	31.5	1.34	15,000	9,500	0.83	* 6309 N	* 6309 NR	SP 100
	120	29	129.7		4.724	1.142	5.106	76.1	45	1.9	13,000	8,500	1.55	6409 N	6409 NR	SP 120
50	80	16	86.6	1.969	3.150	0.630	3.409	22.9	16	0.71	18,000	11,000	0.26	* 6010 N	* 6010 NR	SP 80
	90	20	96.5		3.543	0.787	3.799	37.1	23.2	0.98	15,000	10,000	0.46	* 6210 N	* 6210 NR	SP 90
	110	27	116.6		4.331	1.063	4.591	65	38	1.6	13,000	8,500	1.05	* 6310 N	* 6310 NR	SP 110
	130	31	139.7		5.118	1.220	5.500	87.1	52	2.2	12,000	7,500	1.9	6410 N	6410 NR	SP 130
55	90	18	96.5	2.165	3.543	0.709	3.799	29.6	21.2	0.9	16,000	10,000	0.39	* 6011 N	* 6011 NR	SP 90
	100	21	106.5		3.937	0.827	4.193	46.2	29	1.25	14,000	9,000	0.61	* 6211 N	* 6211 NR	SP 100
	120	29	129.7		4.724	1.142	5.106	74.1	45	1.9	12,000	8,000	1.35	* 6311 N	* 6311 NR	SP 120
	140	33	149.7		5.512	1.299	5.894	99.5	62	2.6	11,000	7,000	2.3	6411 N	6411 NR	SP 140

Principal dimensions								Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	snap ring groove and snap ring	Snap ring
								dynamic	static		Reference	Limiting				
d	D	B	D*	d	D	B	D*	C	C ₀	P ₀	speed	speed		Bearing with		
mm				in				kN		kN	r/min		kg	–		
60	95	18	101.6	2.362	3.740	0.709	4.000	30.7	23.2	0.98	15,000	9,500	0.42	* 6012 N	* 6012 NR	SP 95
	110	22	116.6		4.331	0.866	4.591	55.3	36	1.53	13,000	8,000	0.78	* 6212 N	* 6212 NR	SP 110
	130	31	139.7		5.118	1.220	5.500	85.2	52	2.2	11,000	7,000	1.7	* 6312 N	* 6312 NR	SP 130
	150	35	159.7		5.906	1.378	6.287	108	69.5	2.9	10,000	6,300	2.75	6412 N	6412 NR	SP 150
65	100	18	106.5	2.559	3.937	0.709	4.193	31.9	25	1.06	14,000	9,000	0.44	* 6013 N	* 6013 NR	SP 100
	120	23	129.7		4.724	0.906	5.106	58.5	40.5	1.73	12,000	7,500	0.99	* 6213 N	* 6213 NR	SP 120
	140	33	149.7		5.512	1.299	5.894	97.5	60	2.5	10,000	6,700	2.1	* 6313 N	* 6313 NR	SP 140
	160	37	169.7		6.299	1.457	6.681	119	78	3.15	9,500	6,000	3.3	6413 N	6413 NR	SP 160
70	110	20	116.6	2.756	4.331	0.787	4.591	39.7	31	1.32	13,000	8,000	0.6	* 6014 N	* 6014 NR	SP 110
	125	24	134.7		4.921	0.945	5.303	63.7	45	1.9	11,000	7,000	1.05	* 6214 N	* 6214 NR	SP 125
	150	35	159.7		5.906	1.378	6.287	111	68	2.75	9,500	6,300	2.5	* 6314 N	* 6314 NR	SP 150
75	115	20	121.6	2.953	4.528	0.787	4.787	41.6	33.5	1.43	12,000	7,500	0.64	* 6015 N	* 6015 NR	SP 115
	130	25	139.7		5.118	0.984	5.500	68.9	49	2.04	10,000	6,700	1.2	* 6215 N	* 6215 NR	SP 130
	160	37	169.7		6.299	1.457	6.681	119	76.5	3	9,000	5,600	3	* 6315 N	* 6315 NR	SP 160
80	125	22	134.7	3.150	4.921	0.866	5.303	49.4	40	1.66	11,000	7,000	0.85	* 6016 N	* 6016 NR	SP 125
	140	26	149.7		5.512	1.024	5.894	72.8	55	2.2	9,500	6,000	1.4	* 6216 N	* 6216 NR	SP 140
85	130	22	139.7	3.346	5.118	0.866	5.500	52	43	1.76	11,000	6,700	0.89	* 6017 N	* 6017 NR	SP 130
	150	28	159.7		5.906	1.102	6.287	87.1	64	2.5	9,000	5,600	1.8	* 6217 N	* 6217 NR	SP 150
90	140	24	149.7	3.543	5.512	0.945	5.894	60.5	50	1.96	10,000	6,300	1.15	* 6018 N	* 6018 NR	SP 140
	160	30	169.7		6.299	1.181	6.681	101	73.5	2.8	8,500	5,300	2.15	* 6218 N	* 6218 NR	SP 160
95	170	32	182.9	3.740	6.693	1.260	7.201	114	81.5	3	8,000	5,000	2.6	* 6219 N	* 6219 NR	SP 170
100	150	24	159.7	3.937	5.906	0.945	6.287	63.7	54	2.04	9,500	5,600	1.25	* 6020 N	* 6020 NR	SP 150
	180	34	192.9		7.087	1.339	7.594	127	93	3.35	7,500	4,800	3.15	* 6220 N	* 6220 NR	SP 180
105	160	26	169.7	4.134	6.299	1.024	6.681	76.1	65.5	2.4	8,500	5,300	1.6	* 6021 N	* 6021 NR	SP 160
110	170	28	182.9	4.331	6.693	1.102	7.201	85.2	73.5	2.6	8,000	5,000	1.95	* 6022 N	* 6022 NR	SP 170
120	180	28	192.9	4.724	7.087	1.102	7.594	88.4	80	2.75	7,500	4,800	2.05	* 6024 N	* 6024 NR	SP 180

ZNR



Principal dimensions								Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations	snap ring groove and snap ring	Snap ring
								dynamic	static		Reference	Limiting				
d	D	B	D _a	d	D	B	D _a	C	C ₀	P ₀	speed	speed		Bearing with		
mm				in				kN		kN	r/min		kg	–		
12	32	10	36.7	0.472	1.260	0.394	1.445	7.28	3.1	0.132	50,000	32,000	0.037	* 6201-ZNR	6201-2ZNR	SP 32
15	35	11	39.7	0.591	1.378	0.433	1.563	8.06	3.75	0.16	43,000	28,000	0.045	* 6202-ZNR	6202-2ZNR	SP 35
17	40	12	44.6	0.669	1.575	0.472	1.756	9.95	4.75	0.2	38,000	24,000	0.065	* 6203-ZNR	6203-2ZNR	SP 40
	47	14	52.7		1.850	0.551	2.075	14.3	6.55	0.275	34,000	22,000	0.12	* 6303-ZNR	6303-2ZNR	SP 47
20	42	12	46.3	0.787	1.654	0.472	1.823	9.95	5	0.212	38,000	24,000	0.069	* 6004-ZNR	6004-2ZNR	SP 42
	47	14	52.7		1.850	0.551	2.075	13.5	6.55	0.28	32,000	20,000	0.11	* 6204-ZNR	6204-2ZNR	SP 47
	52	15	57.9		2.047	0.591	2.280	16.8	7.8	0.335	30,000	19,000	0.14	* 6304-ZNR	6304-2ZNR	SP 52
25	47	12	52.7	0.984	1.850	0.472	2.075	11.9	6.55	0.275	32,000	20,000	0.08	* 6005-ZNR	6005-2ZNR	SP 47
	52	15	57.9		2.047	0.591	2.280	14.8	7.8	0.335	28,000	18,000	0.13	* 6205-ZNR	6205-2ZNR	SP 52
	62	17	67.7		2.441	0.669	2.665	23.4	11.6	0.49	24,000	16,000	0.23	* 6305-ZNR	6305-2ZNR	SP 62
30	62	16	67.7	1.181	2.441	0.630	2.665	20.3	11.2	0.475	24,000	15,000	0.2	* 6206-ZNR	6206-2ZNR	SP 62
	72	19	78.6		2.835	0.748	3.094	29.6	16	0.67	20,000	13,000	0.35	* 6306-ZNR	6306-2ZNR	SP 72
35	72	17	78.6	1.378	2.835	0.669	3.094	27	15.3	0.655	20,000	13,000	0.29	* 6207-ZNR	6207-2ZNR	SP 72
	80	21	86.6		3.150	0.827	3.409	35.1	19	0.815	19,000	12,000	0.46	* 6307-ZNR	6307-2ZNR	SP 80
40	80	18	86.6	1.575	3.150	0.709	3.409	32.5	19	0.8	18,000	11,000	0.37	* 6208-ZNR	6208-2ZNR	SP 80
	90	23	96.5		3.543	0.906	3.799	42.3	24	1.02	17,000	11,000	0.63	* 6308-ZNR	6308-2ZNR	SP 90
45	85	19	91.6	1.772	3.346	0.748	3.606	35.1	21.6	0.915	17,000	11,000	0.41	* 6209-ZNR	6209-2ZNR	SP 85
	100	25	106.5		3.937	0.984	4.193	55.3	31.5	1.34	15,000	9,500	0.83	* 6309-ZNR	6309-2ZNR	SP 100
50	90	20	96.5	1.969	3.543	0.787	3.799	37.1	23.2	0.98	15,000	10,000	0.46	* 6210-ZNR	6210-2ZNR	SP 90
	110	27	116.6		4.331	1.063	4.591	65	38	1.6	13,000	8,500	1.05	* 6310-ZNR	6310-2ZNR	SP 110
55	100	21	106.5	2.165	3.937	0.827	4.193	46.2	29	1.25	14,000	9,000	0.61	* 6211-ZNR	6211-2ZNR	SP 100
	120	29	129.7		4.724	1.142	5.106	74.1	45	1.9	12,000	8,000	1.35	* 6311-ZNR	6311-2ZNR	SP 120
60	110	22	116.6	2.362	4.331	0.866	4.591	55.3	36	1.53	13,000	8,000	0.78	* 6212-ZNR	6212-2ZNR	SP 110
	130	31	139.7		5.118	1.220	5.500	85.2	52	2.2	11,000	7,000	1.7	* 6312-ZNR	6312-2ZNR	SP 130
65	120	23	129.7	2.559	4.724	0.906	5.106	58.5	40.5	1.73	12,000	7,500	0.99	* 6213-ZNR	6213-2ZNR	SP 120
	140	33	149.7		5.512	1.299	5.894	97.5	60	2.5	10,000	6,700	2.1	* 6313-ZNR	6313-2ZNR	SP 140
70	125	24	134.7	2.756	4.921	0.945	5.303	63.7	45	1.9	11,000	7,000	1.05	* 6214-ZNR	6214-2ZNR	SP 125
	150	35	159.7		5.906	1.378	6.287	111	68	2.75	9,500	6,300	2.5	* 6314-ZNR	6314-2ZNR	SP 150

Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings	Limiting	Mass	Designations		
						dynamic	static		Ref.			Bearing	with shields on one side two sides	
d	D	B	d	D	B	C	C ₀	P ₀	speed	speed	kg	open		
mm			in			KN		KN	r/min			-		
25	62	17	0.984	2.441	0.669	22.9	15.6	0.67	20,000	13,000	0.24	305	305-Z	305-2Z
30	62	16	1.181	2.441	0.630	22.9	17.3	0.735	20,000	12,000	0.21	206	206-Z	206-2Z
	72	19		2.835	0.748	29.2	20.8	0.88	18,000	11,000	0.37	306	306-Z	306-2Z
35	72	17	1.378	2.835	0.669	29.7	22.8	0.965	17,000	11,000	0.31	207	207-Z	207-2Z
	80	21		3.150	0.827	39.1	28.5	1.2	16,000	10,000	0.48	307	307-Z	307-2Z
40	80	18	1.575	3.150	0.709	33.6	26.5	1.12	15,000	9,500	0.39	208	208-Z	208-2Z
	90	23		3.543	0.906	46.8	36	1.53	14,000	9,000	0.64	308	308-Z	308-2Z
45	85	19	1.772	3.346	0.748	39.6	32.5	1.37	14,000	9,000	0.44	209	209-Z	209-2Z
	100	25		3.937	0.984	59.4	46.5	1.96	13,000	8,000	0.88	309	309-Z	309-2Z
50	90	20	1.969	3.543	0.787	39.1	34.5	1.46	13,000	8,000	0.5	210	210-Z	210-2Z
	110	27		4.331	1.063	64.4	52	2.2	11,000	7,000	1.15	310	310-Z	310-2Z
55	100	21	2.165	3.937	0.827	48.4	44	1.86	12,000	7,500	0.66	211	211-Z	211-2Z
	120	29		4.724	1.142	79.2	67	2.85	10,000	6,700	1.5	311	311-Z	311-2Z
60	110	22	2.362	4.331	0.866	56.1	50	2.12	11,000	6,700	0.85	212	212-Z	212-2Z
	130	31		5.118	1.220	91.3	78	3.35	9,500	6,000	1.85	312	312-Z	312-2Z
65	120	23	2.559	4.724	0.906	60.5	58.5	2.5	10,000	6,000	1.05	213	213-Z	213-2Z
	140	33		5.512	1.299	102	90	3.75	9,000	5,600	2.3	313	313-Z	313-2Z
70	125	24	2.756	4.921	0.945	66	65.5	2.75	9,500	6,000	1.15	214	214-Z	214-2Z
	150	35		5.906	1.378	114	102	4.15	8,000	5,000	2.75	314	314-Z	314-2Z
75	130	25	2.953	5.118	0.984	72.1	72	3	9,000	5,600	1.25	215	215-Z	215-2Z
	160	37		6.299	1.457	125	116	4.55	7,500	4,800	3.25	315	315-Z	315-2Z
80	140	26	3.150	5.512	1.024	88	85	3.45	8,500	5,300	1.55	216	216-Z	216-2Z
	170	39		6.693	1.535	138	129	4.9	7,000	4,500	3.95	316	316-Z	316-2Z
85	150	28	3.346	5.906	1.102	96.8	100	3.9	7,500	4,800	1.95	217	217-Z	217-2Z
	180	41		7.087	1.614	147	146	5.3	6,700	4,300	4.6	317	317-Z	317-2Z
90	160	30	3.543	6.299	1.181	112	114	4.3	7,000	4,500	2.35	218	218-Z	218-2Z
	190	43		7.480	1.693	157	160	5.7	6,300	4,000	5.4	318	318-Z	318-2Z
95	170	32	3.740	6.693	1.260	121	122	4.5	6,700	4,300	2.7	219	219-Z	219-2Z
100	180	34	3.937	7.087	1.339	134	140	5	6,300	4,000	3.45	220	220-Z	220-2Z

Principal dimensions						Basic load ratings		Fatigue load limit	Speed ratings		Mass	Designations			Snap2) ring
						dynamic	static		Reference	Limiting1)		Bearing	with shields on one side two sides		
d	D	B	d	D	B	C	C ₀	P ₀	speed	speed		open			
mm			in			kN		kN	r/min		kg	-			
25	62	17	0.984	2.441	0.669	23	16	1	20,000	13,000	0.24	305 NR	305-ZNR	305-2ZNR	SP 62
30	62	16	1.181	2.441	0.630	22.9	17.3	0.735	20,000	12,000	0.21	206 NR	206-ZNR	206-2ZNR	SP 62
	72	19		2.835	0.748	29.2	20.8	0.88	18,000	11,000	0.37	306 NR	306-ZNR	306-2ZNR	SP 72
35	72	17	1.378	2.835	0.669	29.7	22.8	0.965	17,000	11,000	0.31	207 NR	207-ZNR	207-2ZNR	SP 72
	80	21		3.150	0.827	39.1	28.5	1.2	16,000	10,000	0.48	307 NR	307-ZNR	307-2ZNR	SP 80
40	80	18	1.575	3.150	0.709	33.6	26.5	1.12	15,000	9,500	0.39	208 NR	208-ZNR	208-2ZNR	SP 80
	90	23		3.543	0.906	46.8	36	1.53	14,000	9,000	0.64	308 NR	308-ZNR	308-2ZNR	SP 90
45	85	19	1.772	3.346	0.748	39.6	32.5	1.37	14,000	9,000	0.44	209 NR	209-ZNR	209-2ZNR	SP 85
	100	25		3.937	0.984	59.4	46.5	1.96	13,000	8,000	0.88	309 NR	309-ZNR	309-2ZNR	SP 100
50	90	20	1.969	3.543	0.787	39.1	34.5	1.46	13,000	8,000	0.5	210 NR	210-ZNR	210-2ZNR	SP 90
	110	27		4.331	1.063	64.4	52	2.2	11,000	7,000	1.15	310 NR	310-ZNR	310-2ZNR	SP 110
55	100	21	2.165	3.937	0.827	48.4	44	1.86	12,000	7,500	0.66	211 NR	211-ZNR	211-2ZNR	SP 100
	120	29		4.724	1.142	79.2	67	2.85	10,000	6,700	1.5	311 NR	311-ZNR	311-2ZNR	SP 120
60	110	22	2.362	4.331	0.866	56.1	50	2.12	11,000	6,700	0.85	212 NR	212-ZNR	212-2ZNR	SP 110
	130	31		5.118	1.220	91.3	78	3.35	9,500	6,000	1.85	312 NR	312-ZNR	312-2ZNR	SP 130
65	120	23	2.559	4.724	0.906	60.5	58.5	2.5	10,000	6,000	1.05	213 NR	213-ZNR	213-2ZNR	SP 120

	140	33		5.512	1.299	102	90	3.75	9,000	5,600	2.3	313 NR	313-ZNR	313-2ZNR	SP 140
70	125	24	2.756	4.921	0.945	66	65.5	2.75	9,500	6,000	1.15	214 NR	214-ZNR	214-2ZNR	SP 125
	150	35		5.906	1.378	114	102	4.15	8,000	5,000	2.75	314 NR	314-ZNR	314-2ZNR	SP 150
75	130	25	2.953	5.118	0.984	72.1	72	3	9,000	5,600	1.25	215 NR	215-ZNR	215-2ZNR	SP 130
80	140	26	3.150	5.512	1.024	88	85	3.45	8,500	5,300	1.55	216 NR	216-ZNR	216-2ZNR	SP 140
85	150	28	3.346	5.906	1.102	96.8	100	3.9	7,500	4,800	1.95	217 NR	-	-	SP 150
90	160	30	3.543	6.299	1.181	112	114	4	7,000	4,500	2.35	218 NR	-	-	SP 160
95	170	32	3.740	6.693	1.260	121	122	5	6,700	4,300	2.7	219 NR	-	-	SP 170

Principal dimensions					Basic load ratings		Fatigue	Speed ratings		Mass	Designation	
					dynamic	static	load limit	Reference speed	Limiting speed			
mm			in			kN		kN	r/min		kg	–
1	3	1	0.039	0.118	0.039	0.056	0.017	0.00075	240,000	150,000	0.000036	W 618/1
2	5	1.5	0.079	0.197	0.059	0.133	0.045	0.002	85,000	100,000	0.00015	W 618/2
3	6	3	0.118	0.236	0.118	0.178	0.057	0.0025	170,000	110,000	0.00035	W 637/3
	10	4		0.394	0.157	0.39	0.129	0.0056	130,000	80,000	0.0016	W 623
4	9	2.5	0.157	0.354	0.098	0.449	0.173	0.0075	140,000	85,000	0.0007	W 618/4
	11	4		0.433	0.157	0.605	0.224	0.0098	130,000	80,000	0.0019	W 619/4
	12	4		0.472	0.157	0.676	0.27	0.012	120,000	75,000	0.0024	W 604
	13	5		0.512	0.197	0.793	0.28	0.012	110,000	67,000	0.0031	W 624
5	11	3	0.197	0.433	0.118	0.54	0.245	0.011	120,000	75,000	0.0012	W 618/5
	13	4		0.512	0.157	0.741	0.325	0.014	110,000	67,000	0.0023	W 619/5
	16	5		0.630	0.197	0.923	0.365	0.016	95,000	60,000	0.005	W 625
6	13	3.5	0.236	0.512	0.138	0.741	0.335	0.015	110,000	67,000	0.002	W 618/6
	15	5		0.591	0.197	1.04	0.455	0.02	100,000	63,000	0.0039	W 619/6
	19	6		0.748	0.236	1.86	0.915	0.04	80,000	50,000	0.0084	W 626
7	17	5	0.276	0.669	0.197	1.24	0.54	0.024	90,000	56,000	0.0049	W 619/7
	19	6		0.748	0.236	1.86	0.915	0.04	85,000	53,000	0.0075	W 607
	22	7		0.866	0.276	2.76	1.32	0.057	70,000	45,000	0.013	W 627
8	16	4	0.315	0.630	0.157	1.12	0.55	0.024	90,000	56,000	0.003	W 618/8
	19	6		0.748	0.236	1.59	0.71	0.031	80,000	50,000	0.0071	W 619/8
	22	7		0.866	0.276	2.76	1.32	0.057	75,000	48,000	0.012	W 608
9	17	4	0.354	0.669	0.157	1.19	0.62	0.027	85,000	53,000	0.0034	W 618/9
	20	6		0.787	0.236	1.74	0.83	0.036	80,000	48,000	0.0076	W 619/9
	24	7		0.945	0.276	3.12	1.6	0.071	70,000	43,000	0.014	W 609
	26	8		1.024	0.315	3.9	1.9	0.083	60,000	38,000	0.02	W 629
10	15	3	0.394	0.591	0.118	0.715	0.425	0.018	85,000	56,000	0.0014	W 61700
	19	5		0.748	0.197	1.14	0.57	0.025	80,000	48,000	0.0055	W 61800
	22	6		0.866	0.236	1.74	0.815	0.036	75,000	45,000	0.01	W 61900
	26	8		1.024	0.315	3.9	1.9	0.083	67,000	40,000	0.019	W 6000
	30	9		1.181	0.354	4.23	2.28	0.1	56,000	34,000	0.032	W 6200
	35	11		1.378	0.433	6.76	3.25	0.143	50,000	32,000	0.053	W 6300
12	21	5	0.472	0.827	0.197	1.21	0.64	0.028	70,000	43,000	0.0063	W 61801
	24	6		0.945	0.236	1.9	0.95	0.043	67,000	40,000	0.011	W 61901
	28	8		1.102	0.315	4.23	2.28	0.1	60,000	38,000	0.022	W 6001
	32	10		1.260	0.394	5.85	3	0.132	50,000	32,000	0.037	W 6201
	37	12		1.457	0.472	8.19	4.05	0.176	45,000	28,000	0.06	W 6301

Principal dimensions						Basic load ratings		Fatigue	Speed ratings		Mass	Designation
						dynamic	static	load limit	Reference speed	Limiting speed		
d	D	B	d	D	B	C	C0	Pu				
mm			in			kN		kN	r/min		kg	–
1	3	1	0.039	0.118	0.039	0.056	0.017	0.00075	240,000	150,000	0.000036	W 618/1
2	5	1.5	0.079	0.197	0.059	0.133	0.045	0.002	85,000	100,000	0.00015	W 618/2
3	6	3	0.118	0.236	0.118	0.178	0.057	0.0025	170,000	110,000	0.00035	W 637/3
	10	4		0.394	0.157	0.39	0.129	0.0056	130,000	80,000	0.0016	W 623
4	9	2.5	0.157	0.354	0.098	0.449	0.173	0.0075	140,000	85,000	0.0007	W 618/4
	11	4		0.433	0.157	0.605	0.224	0.0098	130,000	80,000	0.0019	W 619/4
	12	4		0.472	0.157	0.676	0.27	0.012	120,000	75,000	0.0024	W 604
	13	5		0.512	0.197	0.793	0.28	0.012	110,000	67,000	0.0031	W 624
5	11	3	0.197	0.433	0.118	0.54	0.245	0.011	120,000	75,000	0.0012	W 618/5
	13	4		0.512	0.157	0.741	0.325	0.014	110,000	67,000	0.0023	W 619/5
	16	5		0.630	0.197	0.923	0.365	0.016	95,000	60,000	0.005	W 625
6	13	3.5	0.236	0.512	0.138	0.741	0.335	0.015	110,000	67,000	0.002	W 618/6
	15	5		0.591	0.197	1.04	0.455	0.02	100,000	63,000	0.0039	W 619/6
	19	6		0.748	0.236	1.86	0.915	0.04	80,000	50,000	0.0084	W 626
7	17	5	0.276	0.669	0.197	1.24	0.54	0.024	90,000	56,000	0.0049	W 619/7
	19	6		0.748	0.236	1.86	0.915	0.04	85,000	53,000	0.0075	W 607
	22	7		0.866	0.276	2.76	1.32	0.057	70,000	45,000	0.013	W 627
8	16	4	0.315	0.630	0.157	1.12	0.55	0.024	90,000	56,000	0.003	W 618/8
	19	6		0.748	0.236	1.59	0.71	0.031	80,000	50,000	0.0071	W 619/8
	22	7		0.866	0.276	2.76	1.32	0.057	75,000	48,000	0.012	W 608
9	17	4	0.354	0.669	0.157	1.19	0.62	0.027	85,000	53,000	0.0034	W 618/9
	20	6		0.787	0.236	1.74	0.83	0.036	80,000	48,000	0.0076	W 619/9
	24	7		0.945	0.276	3.12	1.6	0.071	70,000	43,000	0.014	W 609
	26	8		1.024	0.315	3.9	1.9	0.083	60,000	38,000	0.02	W 629
10	15	3	0.394	0.591	0.118	0.715	0.425	0.018	85,000	56,000	0.0014	W 61700
	19	5		0.748	0.197	1.14	0.57	0.025	80,000	48,000	0.0055	W 61800
	22	6		0.866	0.236	1.74	0.815	0.036	75,000	45,000	0.01	W 61900
	26	8		1.024	0.315	3.9	1.9	0.083	67,000	40,000	0.019	W 6000
	30	9		1.181	0.354	4.23	2.28	0.1	56,000	34,000	0.032	W 6200
	35	11		1.378	0.433	6.76	3.25	0.143	50,000	32,000	0.053	W 6300
12	21	5	0.472	0.827	0.197	1.21	0.64	0.028	70,000	43,000	0.0063	W 61801
	24	6		0.945	0.236	1.9	0.95	0.043	67,000	40,000	0.011	W 61901
	28	8		1.102	0.315	4.23	2.28	0.1	60,000	38,000	0.022	W 6001
	32	10		1.260	0.394	5.85	3	0.132	50,000	32,000	0.037	W 6201
	37	12		1.457	0.472	8.19	4.05	0.176	45,000	28,000	0.06	W 6301

Principal dimensions						Basic load ratings		Fatigue	Speed ratings		Mass	Designation
						dynamic	static	load limit	Reference speed	Limiting speed		
d	D	B	d	D	B	C	C0	Pu				
mm			in			kN		kN	r/min		kg	-
15	24	5	0.591	0.945	0.197	1.3	0.78	0.034	60,000	38,000	0.0074	W 61802
	28	7		1.102	0.276	3.64	2.16	0.095	56,000	34,000	0.016	W 61902
	32	9		1.260	0.354	4.68	2.75	0.12	50,000	32,000	0.03	W 6002
	35	11		1.378	0.433	6.5	3.65	0.16	43,000	28,000	0.045	W 6202
	42	13		1.654	0.512	9.56	5.2	0.228	38,000	24,000	0.085	W 6302
17	30	7	0.669	1.181	0.276	3.9	2.45	0.108	56,000	28,000	0.018	W 61903
	35	10		1.378	0.394	5.07	3.15	0.137	45,000	28,000	0.039	W 6003
	40	12		1.575	0.472	8.06	4.65	0.2	38,000	24,000	0.065	W 6203
	47	14		1.850	0.551	11.4	6.3	0.275	34,000	22,000	0.12	W 6303
20	32	7	0.787	1.260	0.276	3.38	2.24	0.104	45,000	28,000	0.018	W 61804
	42	12		1.654	0.472	7.93	4.9	0.212	38,000	24,000	0.069	W 6004
	47	14		1.850	0.551	10.8	6.4	0.28	32,000	20,000	0.11	W 6204
	52	15		2.047	0.591	13.5	7.65	0.335	30,000	19,000	0.14	W 6304
25	47	12	0.984	1.850	0.472	8.52	5.7	0.25	32,000	20,000	0.08	W 6005
	52	15		2.047	0.591	11.9	7.65	0.335	28,000	18,000	0.13	W 6205
	62	17		2.441	0.669	17.2	10.8	0.475	24,000	16,000	0.23	W 6305
30	55	13	1.181	2.165	0.512	11.1	8	0.355	28,000	17,000	0.12	W 6006
	62	16		2.441	0.630	16.3	10.8	0.475	24,000	15,000	0.2	W 6206
	72	19		2.835	0.748	22.5	14.6	0.64	20,000	13,000	0.35	W 6306
	62	14	1.378	2.441	0.551	13.5	10	0.44	24,000	15,000	0.16	W 6007
	72	17		2.835	0.669	21.6	14.6	0.655	20,000	13,000	0.29	W 6207
40	68	15	1.575	2.677	0.591	14	10.8	0.49	22,000	14,000	0.19	W 6008
	80	18		3.150	0.709	24.7	17.3	0.75	18,000	11,000	0.37	W 6208
45	75	16	1.772	2.953	0.630	17.8	14.6	0.64	20,000	12,000	0.25	W 6009
	85	19		3.346	0.748	27.6	19.6	0.865	17,000	11,000	0.41	W 6209
50	80	16	1.969	3.150	0.630	18.2	16	0.71	18,000	11,000	0.26	W 6010
	90	20		3.543	0.787	29.6	22.4	0.98	15,000	10,000	0.46	W 6210

Principal dimensions						Basic load ratings		Fatigue	Speed ratings		Mass	Designation
						dynamic	static	load limit	Reference speed	Limiting speed		
d	D	B	d	D	B	C	C0	Pu				
mm			in			kN		kN	r/min		kg	–
15	24	5	0.591	0.945	0.197	1.3	0.78	0.034	60,000	38,000	0.0074	W 61802
	28	7		1.102	0.276	3.64	2.16	0.095	56,000	34,000	0.016	W 61902
	32	9		1.260	0.354	4.68	2.75	0.12	50,000	32,000	0.03	W 6002
	35	11		1.378	0.433	6.5	3.65	0.16	43,000	28,000	0.045	W 6202
	42	13		1.654	0.512	9.56	5.2	0.228	38,000	24,000	0.085	W 6302
17	30	7	0.669	1.181	0.276	3.9	2.45	0.108	56,000	28,000	0.018	W 61903
	35	10		1.378	0.394	5.07	3.15	0.137	45,000	28,000	0.039	W 6003
	40	12		1.575	0.472	8.06	4.65	0.2	38,000	24,000	0.065	W 6203
	47	14		1.850	0.551	11.4	6.3	0.275	34,000	22,000	0.12	W 6303
20	32	7	0.787	1.260	0.276	3.38	2.24	0.104	45,000	28,000	0.018	W 61804
	42	12		1.654	0.472	7.93	4.9	0.212	38,000	24,000	0.069	W 6004
	47	14		1.850	0.551	10.8	6.4	0.28	32,000	20,000	0.11	W 6204
	52	15		2.047	0.591	13.5	7.65	0.335	30,000	19,000	0.14	W 6304
25	47	12	0.984	1.850	0.472	8.52	5.7	0.25	32,000	20,000	0.08	W 6005
	52	15		2.047	0.591	11.9	7.65	0.335	28,000	18,000	0.13	W 6205
	62	17		2.441	0.669	17.2	10.8	0.475	24,000	16,000	0.23	W 6305
30	55	13	1.181	2.165	0.512	11.1	8	0.355	28,000	17,000	0.12	W 6006
	62	16		2.441	0.630	16.3	10.8	0.475	24,000	15,000	0.2	W 6206
	72	19		2.835	0.748	22.5	14.6	0.64	20,000	13,000	0.35	W 6306
35	62	14	1.378	2.441	0.551	13.5	10	0.44	24,000	15,000	0.16	W 6007
	72	17		2.835	0.669	21.6	14.6	0.655	20,000	13,000	0.29	W 6207
40	68	15	1.575	2.677	0.591	14	10.8	0.49	22,000	14,000	0.19	W 6008
	80	18		3.150	0.709	24.7	17.3	0.75	18,000	11,000	0.37	W 6208
45	75	16	1.772	2.953	0.630	17.8	14.6	0.64	20,000	12,000	0.25	W 6009
	85	19		3.346	0.748	27.6	19.6	0.865	17,000	11,000	0.41	W 6209
50	80	16	1.969	3.150	0.630	18.2	16	0.71	18,000	11,000	0.26	W 6010
	90	20		3.543	0.787	29.6	22.4	0.98	15,000	10,000	0.46	W 6210

Principal dimensions						Basic load ratings		Fatigue	Speed ratings		Mass	Designation
						dynamic	static	load limit	Reference speed	Limiting speed		
d	D	B	d	D	B	C	C0	Pu				
mm			in			kN		kN	r/min		kg	–
2	5	2.3	0.079	0.197	0.091	0.156	0.048	0.002	190,000	95,000	0.00018	W 638/2-ZZ
	6	3		0.236	0.118	0.238	0.075	0.0034	180,000	90,000	0.00035	W 639/2-ZZ
3	6	3	0.118	0.236	0.118	0.176	0.057	0.0025	170,000	85,000	0.00035	W 637/3-ZZ
	7	3		0.276	0.118	0.216	0.085	0.0036	160,000	80,000	0.00045	W 638/3-ZZ
	8	3		0.315	0.118	0.39	0.129	0.0056	150,000	75,000	0.00067	W 619/3-ZZ
	8	4		0.315	0.157	0.39	0.129	0.0056	150,000	75,000	0.0008	W 639/3-ZZ
	10	4		0.394	0.157	0.39	0.129	0.0056	130,000	63,000	0.0015	W 623-ZZ
4	9	3.5	0.157	0.354	0.138	0.449	0.173	0.0075	140,000	70,000	0.001	W 628/4-ZZ
	9	4		0.354	0.157	0.449	0.173	0.0075	140,000	70,000	0.001	W 638/4-ZZ
	11	4		0.433	0.157	0.605	0.224	0.0098	130,000	63,000	0.0017	W 619/4-ZZ
	12	4		0.472	0.157	0.676	0.27	0.012	120,000	60,000	0.0023	W 604-ZZ
	13	5		0.512	0.197	0.793	0.28	0.012	110,000	53,000	0.0031	W 624-ZZ
	13	5		0.512	0.197	0.793	0.28	0.012	–	32,000	0.0031	W 624-2RS1
5	8	2.5	0.197	0.315	0.098	0.14	0.057	0.0025	140,000	70,000	0.00034	W 627/5-ZZ
	11	4		0.433	0.157	0.54	0.245	0.011	120,000	60,000	0.00062	W 628/5-ZZ
	11	5		0.433	0.197	0.54	0.245	0.011	120,000	60,000	0.0019	W 638/5-ZZ
	13	4		0.512	0.157	0.741	0.325	0.014	110,000	53,000	0.0025	W 619/5-ZZ
	16	5		0.630	0.197	0.923	0.365	0.016	95,000	48,000	0.005	W 625-ZZ
	16	5		0.630	0.197	0.923	0.365	0.016	–	28,000	0.005	W 625-2RS1
	19	6		0.748	0.236	1.86	0.915	0.04	80,000	40,000	0.009	W 635-ZZ
6	10	3	0.236	0.394	0.118	0.319	0.137	0.0061	120,000	60,000	0.0007	W 627/6-ZZ
	13	5		0.512	0.197	0.741	0.335	0.015	110,000	53,000	0.0027	W 628/6-ZZ
	15	5		0.591	0.197	1.04	0.455	0.02	100,000	50,000	0.0037	W 619/6-ZZ
	19	6		0.748	0.236	1.86	0.915	0.04	80,000	40,000	0.0087	W 626-ZZ
	19	6		0.748	0.236	1.86	0.915	0.04	–	24,000	0.0087	W 626-2RS1
7	11	3	0.276	0.433	0.118	0.291	0.127	0.0056	110,000	56,000	0.0007	W 627/7-ZZ
	14	5		0.551	0.197	0.806	0.39	0.017	100,000	50,000	0.003	W 628/7-ZZ
	17	5		0.669	0.197	1.24	0.54	0.024	90,000	45,000	0.005	W 619/7-ZZ
	19	6		0.748	0.236	1.86	0.915	0.04	85,000	43,000	0.0082	W 607-ZZ
	19	6		0.748	0.236	1.86	0.915	0.04	–	24,000	0.0082	W 607-2RS1
	22	7		0.866	0.276	2.76	1.32	0.057	70,000	36,000	0.013	W 627-ZZ

Principal dimensions						Basic load ratings		Fatigue	Speed ratings		Mass	Designation
						dynamic	static	load limit	Reference speed	Limiting speed		
d	D	B	d	D	B	C	C0	Pu				
mm			in			kN		kN	r/min		kg	–
8	16	5	0.315	0.630	0.197	1.12	0.55	0.024	90,000	45,000	0.004	W 628/8-2Z
	16	6		0.630	0.236	1.12	0.55	0.024	90,000	45,000	0.0043	W 638/8-2Z
	19	6		0.748	0.236	1.59	0.71	0.031	80,000	40,000	0.0076	W 619/8-2Z
	19	6		0.748	0.236	1.46	0.6	1.6	–	24,000	0.0071	W 619/8-2RS1
	22	7		0.866	0.276	2.76	1.32	0.057	75,000	38,000	0.013	W 608-2Z
	22	7		0.866	0.276	2.76	1.32	0.057	–	22,000	0.013	W 608-2RS1
9	17	5	0.354	0.669	0.197	1.19	0.62	0.027	85,000	43,000	0.0044	W 628/9-2Z
	20	6		0.787	0.236	1.74	0.83	0.036	80,000	38,000	0.0085	W 619/9-2Z
	24	7		0.945	0.276	3.12	1.6	0.071	70,000	34,000	0.016	W 609-2Z
	26	8		1.024	0.315	3.9	1.9	0.083	60,000	30,000	0.022	W 629-2Z
10	19	5	0.394	0.748	0.197	1.14	0.57	0.025	80,000	38,000	0.0056	W 61800-2Z
	19	7		0.748	0.276	1.14	0.57	0.025	80,000	38,000	0.0074	W 63800-2Z
	22	6		0.866	0.236	1.74	0.815	0.036	75,000	36,000	0.01	W 61900-2Z
	26	8		1.024	0.315	3.9	1.9	0.083	67,000	34,000	0.019	W 6000-2Z
	26	8		1.024	0.315	3.9	1.9	0.083	–	19,000	0.019	W 6000-2RS1
	30	9		1.181	0.354	4.23	2.28	0.1	56,000	28,000	0.032	W 6200-2Z
	30	9		1.181	0.354	4.23	2.28	0.1	–	17,000	0.032	W 6200-2RS1
	35	11		1.378	0.433	6.76	3.25	0.143	50,000	26,000	0.053	W 6300-2Z
	35	11		1.378	0.433	6.76	3.25	0.143	–	15,000	0.053	W 6300-2RS1
12	21	5	0.472	0.827	0.197	1.21	0.64	0.028	70,000	36,000	0.0065	W 61801-2Z
	24	6		0.945	0.236	1.9	0.95	0.043	67,000	32,000	0.012	W 61901-2Z
	28	8		1.102	0.315	4.23	2.28	0.1	60,000	30,000	0.022	W 6001-2Z
	28	8		1.102	0.315	4.23	2.28	0.1	–	17,000	0.022	W 6001-2RS1
	32	10		1.260	0.394	5.85	3 0.132	0.132	50,000	26,000	0.037	W 6201-2Z
	32	10		1.260	0.394	5.85	3 0.132	0.132	–	15,000	0.037	W 6201-2RS1
	37	12		1.457	0.472	8.19	4.05	0.176	45,000	22,000	0.06	W 6301-2Z
	37	12		1.457	0.472	8.19	4.05	0.176	–	14,000	0.06	W 6301-2RS1

Principal dimensions						Basic load ratings		Fatigue	Speed ratings		Mass	Designation
						dynamic	static	load limit	Reference speed	Limiting speed		
d	D	B	d	D	B	C	C0	Pu				
mm			in			kN		kN	r/min		kg	–
15	24	5	0.591	0.945	0.197	1.3	0.78	0.034	60,000	30,000	0.0076	W 61802-2Z
	28	7		1.102	0.276	3.64	2.16	0.095	56,000	28,000	0.019	W 61902-2Z
	28	7		1.102	0.276	3.64	2.16	0.095	–	16,000	0.019	W 61902-2RS1
	32	9		1.260	0.354	4.68	2.75	0.12	50,000	26,000	0.03	W 6002-2Z
	32	9		1.260	0.354	4.68	2.75	0.12	–	14,000	0.03	W 6002-2RS1
	35	11		1.378	0.433	6.5	3.65	0.16	43,000	22,000	0.045	W 6202-2Z
	35	11		1.378	0.433	6.5	3.65	0.16	–	13,000	0.045	W 6202-2RS1
	42	13		1.654	0.512	9.56	5.2	0.228	38,000	19,000	0.082	W 6302-2Z
	42	13		1.654	0.512	9.56	5.2	0.228	–	12,000	0.082	W 6302-2RS1
17	26	5	0.669	1.024	0.197	1.4	0.9	0.039	56,000	34,000	0.0082	W 61803-2Z
	30	7		1.181	0.276	3.9	2.45	0.108	50,000	32,000	0.019	W 61903-2Z
	30	7		1.181	0.276	3.9	2.45	0.108	–	14,000	0.019	W 61903-2RS1
	35	10		1.378	0.394	5.07	3.15	0.137	45,000	22,000	0.039	W 6003-2Z
	35	10		1.378	0.394	5.07	3.15	0.137	–	13,000	0.039	W 6003-2RS1
	40	12		1.575	0.472	8.06	4.65	0.2	38,000	19,000	0.065	W 6203-2Z
	40	12		1.575	0.472	8.06	4.65	0.2	–	12,000	0.065	W 6203-2RS1
	47	14		1.850	0.551	11.4	6.3	0.275	34,000	17,000	0.12	W 6303-2Z
	47	14		1.850	0.551	11.4	6.3	0.275	–	11,000	0.12	W 6303-2RS1
20	32	7	0.787	1.260	0.276	3.38	2.24	0.104	–	13,000	0.018	W 61804-2RS1
	37	9		1.457	0.354	5.4	3.55	0.156	–	12,000	0.04	W 61904-2RS1
	42	12		1.654	0.472	7.93	4.9	0.212	38,000	19,000	0.069	W 6004-2Z
	42	12		1.654	0.472	7.93	4.9	0.212	–	11,000	0.069	W 6004-2RS1
	47	14		1.850	0.551	10.8	6.4	0.28	32,000	17,000	0.11	W 6204-2Z
	47	14		1.850	0.551	10.8	6.4	0.28	–	10,000	0.11	W 6204-2RS1
	52	15		2.047	0.591	13.5	7.65	0.335	30,000	15,000	0.14	W 6304-2Z
	52	15		2.047	0.591	13.5	7.65	0.335	–	9,500	0.14	W 6304-2RS1
25	42	9	0.984	1.654	0.354	5.92	4.15	0.193	–	10,000	0.047	W 61905-2RS1
	47	12		1.850	0.472	8.52	5.7	0.25	32,000	16,000	0.08	W 6005-2Z
	47	12		1.850	0.472	8.52	5.7	0.25	–	9,500	0.08	W 6005-2RS1
	52	15		2.047	0.591	11.9	7.65	0.335	28,000	14,000	0.13	W 6205-2Z
	52	15		2.047	0.591	11.9	7.65	0.335	–	8,500	0.13	W 6205-2RS1
	62	17		2.441	0.669	17.2	10.8	0.475	24,000	13,000	0.23	W 6305-2Z
	62	17		2.441	0.669	17.2	10.8	0.475	–	7,500	0.23	W 6305-2RS1

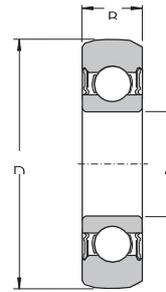
Principal dimensions						Basic load ratings		Fatigue	Speed ratings		Mass	Designation
						dynamic	static	load limit	Reference speed	Limiting speed		
d	D	B	d	D	B	C	C0	Pu				
mm			in			kN		kN	r/min		kg	–
30	55	13	1.181	2.165	0.512	11.1	8	0.355	28,000	14,000	0.12	W 6006-2Z
	55	13		2.165	0.512	11.1	8	0.355	–	8,000	0.12	W 6006-2RS1
	62	16		2.441	0.630	16.3	10	0.475	24,000	12,000	0.2	W 6206-2Z
	62	16		2.441	0.630	16.3	10	0.475	–	7,500	0.2	W 6206-2RS1
	72	19		2.835	0.748	22.5	14	0.640	20,000	11,000	0.35	W 6306-2Z
	72	19		2.835	0.748	22.5	14	0.640	–	6,300	0.35	W 6306-2RS1
35	62	14	1.378	2.441	0.551	13.5	10	0.440	24,000	12,000	0.16	W 6007-2Z
	62	14		2.441	0.551	13.5	10	0.440	–	7,000	0.16	W 6007-2RS1
	72	17		2.835	0.669	21.6	14	0.655	20,000	10,000	0.29	W 6207-2Z
	72	17		2.835	0.669	21.6	14	0.655	–	6,300	0.29	W 6207-2RS1
40	68	15	1.575	2.677	0.591	14	10	0.490	22,000	11,000	0.19	W 6008-2Z
	68	15		2.677	0.591	14	10	0.490	–	6,300	0.19	W 6008-2RS1
	80	18		3.150	0.709	24.7	17	0.750	18,000	90,000	0.37	W 6208-2Z
	80	18		3.150	0.709	24.7	17	0.750	–	5,600	0.37	W 6208-2RS1
45	75	16	1.772	2.953	0.630	17.8	14	0.640	20,000	10,000	0.25	W 6009-2Z
	75	16		2.953	0.630	17.8	14	0.640	–	5,600	0.25	W 6009-2RS1
	85	19		3.346	0.748	27.6	19	0.865	17,000	8,500	0.41	W 6209-2Z
	85	19		3.346	0.748	27.6	19	0.865	–	5,000	0.41	W 6209-2RS1
50	80	16	1.969	3.150	0.630	18.2	16	0.710	18,000	9,000	0.26	W 6010-2Z
	80	16		3.150	0.630	18.2	16	0.710	–	5,000	0.26	W 6010-2RS1
	90	20		3.543	0.787	29.6	22	0.980	15,000	8,000	0.46	W 6210-2Z
	90	20		3.543	0.787	29.6	22	0.980	–	4,800	0.46	W 6210-2RS1

Principal dimensions						Basic load ratings		Fatigue	Speed ratings		Mass	Designation
						dynamic	static	load limit	Reference speed	Limiting speed		
d	D	B	d	D	B	C	C0	Pu				
mm			in			kN		kN	r/min		kg	–
10	30	14	0.394	1.181	0.551	9.23	5.2	0.224	40,000	22,000	0.049	4200 ATN9
12	32	14	0.472	1.260	0.551	10.6	6.2	0.26	36,000	20,000	0.053	4201 ATN9
	37	17		1.457	0.669	13	7.8	0.325	34,000	18,000	0.092	4301 ATN9
15	35	14	0.591	1.378	0.551	11.9	7.5	0.32	32,000	17,000	0.059	4202 ATN9
	42	17		1.654	0.669	14.8	9.5	0.405	28,000	15,000	0.12	4302 ATN9
17	40	16	0.669	1.575	0.63	14.8	9.5	0.405	28,000	15,000	0.09	4203 ATN9
	47	19		1.850	0.748	19.5	13.2	0.56	24,000	13,000	0.16	4303 ATN9
20	47	18	0.787	1.850	0.709	17.8	12.5	0.53	24,000	13,000	0.14	4204 ATN9
	52	21		2.047	0.827	23.4	16	0.68	22,000	12,000	0.21	4304 ATN9
25	52	18	0.984	2.047	0.709	19	14.6	0.62	20,000	11,000	0.16	4205 ATN9
	62	24		2.441	0.945	31.9	22.4	0.95	18,000	10,000	0.34	4305 ATN9
30	62	20	1.181	2.441	0.787	26	20.8	0.88	17,000	9,500	0.26	4206 ATN9
	72	27		2.835	1.063	41	30	1.27	16,000	8,500	0.5	4306 ATN9
35	72	23	1.378	2.835	0.906	35.1	28.5	1.2	15,000	8,000	0.4	4207 ATN9
	80	31		3.150	1.22	50.7	38	1.63	14,000	7,500	0.69	4307 ATN9
40	80	23	1.575	3.150	0.906	37.1	32.5	1.37	13,000	7,000	0.5	4208 ATN9
	90	33		3.543	1.299	55.9	45	1.9	12,000	6,700	0.95	4308 ATN9
45	85	23	1.772	3.346	0.906	39	36	1.53	12,000	6,700	0.54	4209 ATN9
	100	36		3.937	1.417	68.9	56	2.4	11,000	6,000	1.25	4309 ATN9
50	90	23	1.969	3.543	0.906	41	40	1.7	11,000	6,000	0.58	4210 ATN9
	110	40		4.331	1.575	81.9	69.5	2.9	10,000	5,300	1.7	4310 ATN9
55	100	25	2.165	3.937	0.984	44.9	44	1.9	10,000	5,600	0.8	4211 ATN9
	120	43		4.724	1.693	97.5	83	3.45	9,000	5,000	2.15	4311 ATN9
60	110	29	2.362	4.331	1.102	57.2	55	2.36	9,500	5,300	1.1	4212 ATN9
	130	47		5.118	1.811	112	98	4.15	8,500	4,500	2.65	4312 ATN9
65	120	32	2.559	4.724	1.22	67.6	67	2.8	8,500	4,800	1.45	4213 ATN9
	140	48		5.512	1.89	121	106	4.5	8,000	4,300	3.25	4313 ATN9
70	125	31	2.756	4.921	1.22	70.2	73.5	3.1	8,000	4,300	1.5	4214 ATN9
	150	51		5.906	2.008	138	125	5	7,000	3,800	3.95	4314 ATN9
75	130	32	2.953	5.118	1.22	72.8	80	3.35	7,500	4,000	1.6	4215 ATN9
	160	56		6.299	2.165	156	143	5.5	6,700	3,600	4.8	4315 ATN9
80	140	33	3.150	5.512	1.299	80.6	90	3.6	7,000	3,800	2	4216 ATN9
85	150	36	3.346	5.906	1.417	93.6	102	4	7,000	3,600	2.55	4217 ATN9
90	160	40	3.543	6.299	1.575	112	122	4.65	6,300	3,400	3.2	4218 ATN9
100	180	47	3.937	7.087	1.811	140	156	5.6	5,600	3,000	4.7	4220 ATN9

Single row cam rollers

D 32 - 80 mm

D 1.260 - 3.150 in

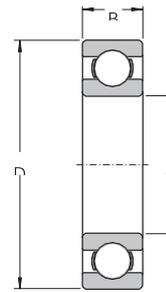


Principal dimensions											Limiting speed	Mass	Designation	
D	B	d	D	B	d	C	C0	Pu	d1~	D1~				
mm	mm			in		kN		kN	r/min	kg	r1.2 min			
32	9	10	1.260	0.354	0.394	4.62	2	0.085	14.8	23.4	0.6	12 000	0.041	361200 R
35	10	12	1.378	0.394	0.472	6.24	2.6	0.11	16.1	25.9	0.6	11 000	0.052	361201 R
40	11	15	1.575	0.433	0.591	7.02	3.2	0.134	19.2	29.7	0.6	9 500	0.074	361202 R
47	12	17	1.850	0.472	0.669	8.84	4.15	0.176	21.6	32.9	0.6	8 500	0.11	361203 R
52	14	20	2.047	0.551	0.787	11.4	5.4	0.228	26	38.7	1	7 500	0.16	361204 R
62	15	25	2.441	0.591	0.984	12.7	6.8	0.285	31.4	44.2	1	6 300	0.24	361205 R
72	16	30	2.835	0.630	1.181	17.4	9.3	0.4	37.6	52.1	1	5 300	0.34	361206 R
80	17	35	3.150	0.669	1.378	22.1	11.8	0.5	44	60.6	1.1	4 500	0.43	361207 R

R series small inch-size

d 3.2 - 38.1 mm

d 0.1250 - 1.5000 in



R series bearings are single-row radial conrad-type bear- ings that are available in inch sizes for shafts from 1/8" to 11/2" in diameter. Open, shielded, and sealed types are available, and many sizes are available in stainless steel. R series supplied with ABMA CN radial clearance unless otherwise specified.

MRC Bearing Number	Bore			Outside Diameter			Basic Radial Load Rating		Speed Ratings ¹⁾		Single and Double Sealed
	d	D	B	d	D	B	Dynamic ²⁾	Static	Open and Shielded	Grease	
	mm			in			kN	kN	rpm	rpm	rpm
R-2	3.2	9.5	4.0	0.1250	0.3750	0.1562	0.312	0.120	75,000	91,000	52,000
R-2-A	3.2	12.7	4.4	0.1250	0.5000	0.1719	0.312	0.120	75,000	91,000	52,000
R-3	4.8	12.7	4.0	0.1875	0.5000	0.1562	0.956	0.490	57,000	69,000	40,000
R-4	6.4	15.9	5.0	0.2500	0.6250	0.1960	1.480	0.620	44,000	54,000	31,000
R-4-A	6.4	19.1	5.6	0.2500	0.7500	0.2188	2.810	1.160	39,000	48,000	27,000
R-6	9.5	22.2	5.6	0.3750	0.8750	0.2188	3.320	1.340	31,000	38,000	21,000
R-8	12.7	28.6	6.4	0.5000	1.1250	0.2500	5.070	2.400	24,000	29,000	16,000
R-10	15.9	34.9	7.1	0.6250	1.3750	0.2812	6.050	3.250	18,000	22,000	13,000
R-12	19.1	41.3	7.9	0.7500	1.6250	0.3125	9.360	5.100	16,000	19,000	11,000
R-14	22.2	47.6	9.5	0.8750	1.8750	0.3750	10.100	5.850	14,000	17,000	9,600
R-16	25.4	50.8	9.5	1.0000	2.0000	0.3750	10.100	6.000	13,000	16,000	9,000
R-18	28.6	54.0	9.5	1.1250	2.1250	0.3750	12.500	7.500	11,000	14,000	7,900
R-20	31.8	57.2	9.5	1.1250	2.2500	0.3750	14.000	9.300	11,000	13,000	7,500
R-24	38.1	66.7	11.1	1.5000	2.6250	0.4375	16.800	11.800	9,000	11,000	6,200

¹⁾ Listed values are for pressed steel or polyamide cage, ABEC-1.

For phenolic composition cage, multiply by 1.66 for grease and 2.00 for oil. For machined bronze cage, multiply by 1.25 for grease and 1.50 for oil. For phenolic composition cage, ABEC-5 or 7, multiply by 2.30 for grease and 2.80 for oil. The speed rating adjustment factors have been determined through historical application and practice.

²⁾ Rating for one million revolutions or 500 hours at 33 1/3 RPM.

Single row deep groove ball bearings

Series RLS

d 0.5000 - 2.5000 mm

d 12.700 - 63.500 in

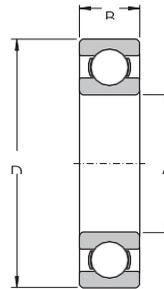
Bearing Designation Number			Principal Dimensions						Basic dynamic load	Speed ratings Lubrication grease oil		Mass
			d	D	B	d	D	B	C			
-Z		-2Z	in			mm			kN	rpm		kg
RLS4A	+	+	0.5000	1.3125	0.3750	12.700	33.337	9.925	6.180	20,000	26,000	0.04
RLS 5	+	+	0.6250	1.5625	0.4375	15.875	39.688	11.112	9.560	17,000	20,000	0.06
RLS 6	+	+	0.7500	1.8750	0.5625	19.050	47.625	14.288	12.700	15,000	18,000	0.12
RLS 7	+	+	0.8750	2.0000	0.5625	22.225	50.800	14.288	15.100	14,000	17,000	0.12
RLS 8	+	+	1.0000	2.2500	0.6250	25.400	57.150	15.875	17.800	11,000	14,000	0.17
RLS 9	+	+	1.1250	2.5000	0.6250	28.575	63.500	15.875	19.500	10,000	13,000	0.22
RLS 10	+	+	1.2500	2.7500	0.6875	31.750	69.850	17.462	22.500	9,500	12,000	0.29
RLS 11			1.3750	3.0000	0.6875	34.925	76.200	17.462	25.500	9,000	11,000	0.35
RLS 12			1.5000	3.2500	0.7500	38.100	82.550	19.050	29.100	8,500	10,000	0.44
RLS 13			1.6250	3.5000	0.7500	41.275	88.900	19.050	32.500	7,500	9,000	0.51
RLS 14			1.7500	3.7500	0.8125	44.450	95.250	20.638	35.100	7,000	8,500	0.66
RLS 15			1.8750	4.0000	0.8125	47.625	101.600	20.638	43.600	6,300	7,500	0.74
RLS 16			2.0000	4.0000	0.8125	50.800	101.600	20.638	43.600	6,300	7,500	0.70
RLS 18			2.2500	4.5000	0.8750	57.150	114.300	22.225	52.700	6,000	7,000	0.96
RLS 20			2.5000	5.0000	0.9375	63.500	127.000	23.812	62.400	5,000	6,000	1.26

Single row deep groove ball bearings

Series RLS

d 2.7500 - 6.0000 mm

d 69.850 - 152.400 in

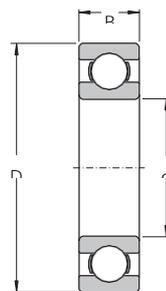


Bearing Number	Principal Dimensions		Basic dynamic load rating				Speed ratings Lubrication		Mass kg	
	d	D	B	d	D	B	C	grease		oil
	in			mm			kN	rpm		rpm
RLS 22	2.7500	5.2500	0.9375	69.850	133.350	23.812	66.300	4,800	5,600	1.37
RLS 24	3.0000	5.7500	1.0625	76.200	146.050	26.988	72.800	4,500	5,300	1.85
RLS 26	3.2500	6.0000	1.0625	82.550	152.400	26.988	83.200	4,000	4,800	1.93
RLS 28	3.5000	6.5000	1.1250	88.900	165.100	28.575	95.600	3,800	4,500	2.38
RLS 30	3.7500	6.7500	1.1250	95.250	171.450	28.575	101.000	3,600	4,300	2.51
RLS 32	4.0000	7.2500	1.2500	101.600	184.150	31.750	108.000	3,400	4,000	3.25
RLS 34	4.2500	7.5000	1.2500	107.950	133.350	31.750	124.000	3,200	3,800	3.92
RLS 36	4.5000	8.0000	1.3125	114.300	203.200	33.338	130.000	3,000	3,600	4.76
RLS 38	4.7500	8.2500	1.3125	120.850	209.550	33.338	138.000	2,800	3,400	5.0
RLS 40	5.0000	9.0000	1.3750	127.000	228.600	34.925	148.000	2,600	3,200	6.5
RLS 44	5.5000	9.5000	1.3750	139.700	241.300	34.925	156.000	2,400	3,000	6.9
RLS 48	6.0000	10.5000	1.5625	152.400	266.700	39.688	172.000	2,000	2,600	9.8

Single row deep groove ball bearings

Series RMS

d 0.5000 - 5.5000 mm



d 12.700 - 139.700 in

Bearing Number	Principal Dimensions		Basic dynamic load rating					Speed ratings		Mass
	d	D	B	d	D	B	C	grease	oil	
	in			mm			kN	rpm	rpm	kg
RMS 4	0.5000	1.6250	0.6250	12.700	41.275	15.875	11.400	18,000	22,000	0.10
RMS 5	0.6250	1.8125	0.6250	15.875	46.038	15.875	13.800	16,000	19,000	0.12
RMS 6	0.7500	2.0000	0.6875	19.050	50.800	17.462	15.900	14,000	17,000	0.16
RMS 7	0.8750	2.2500	0.6875	22.225	57.150	17.462	18.600	12,000	15,000	0.21
RMS 8	1.0000	2.5000	0.7500	25.400	63.500	19.050	21.200	10,000	13,000	0.27
RMS 9	1.1250	2.8125	0.8125	28.575	71.438	20.638	27.000	9,500	12,000	0.37
RMS 10	1.2500	3.1250	0.8750	31.750	79.375	22.225	33.200	9,000	11,000	0.49
RMS 11	1.3750	3.5000	0.8750	34.925	88.900	22.225	40.300	8,000	9,500	0.63
RMS 12	1.5000	3.7500	0.9375	38.100	95.250	23.812	44.200	7,500	9,000	0.79
RMS 13	1.6250	4.0000	0.9375	41.275	101.600	23.812	52.700	6,700	8,000	0.91
RMS 14	1.7500	4.2500	1.0625	44.450	107.950	26.988	57.200	6,300	7,500	1.13
RMS 15	1.8750	4.5000	1.0625	47.625	114.300	26.988	66.300	6,000	7,000	1.24
RMS 16	2.0000	4.5000	1.0625	50.800	114.300	26.988	66.300	6,000	7,000	1.19
RMS 18	2.2500	5.0000	1.2500	57.150	127.000	31.750	76.100	5,300	6,300	1.70
RMS 20	2.5000	5.0000	1.2500	63.500	139.700	31.750	92.300	4,800	5,600	2.05
RMS 22	2.7500	6.2500	1.3750	69.850	158.750	34.925	104.000	4,300	5,000	2.97
RMS 24	3.0000	7.0000	1.5625	76.200	177.800	39.688	124.000	3,800	4,500	4.41
RMS 26	3.2500	7.5000	1.5625	82.550	190.500	39.688	133.000	3,400	4,000	5.00
RMS 28	3.5000	8.1250	1.7500	88.900	206.375	44.450	153.000	3,200	3,800	6.50
RMS 30	3.7500	8.2500	1.7500	95.250	209.550	44.450	153.000	3,200	3,800	6.50
RMS 32	4.0000	8.5000	1.7500	101.600	215.900	44.450	163.000	3,000	3,600	8.10
RMS 34	4.2500	8.7500	1.7500	107.950	222.250	44.450	174.000	2,800	3,400	8.50
RMS 36	4.5000	9.3750	2.0000	114.300	238.125	50.800	186.000	2,600	3,200	11.70
RMS 38	4.7500	10.0000	2.0000	120.850	254.000	50.800	195.000	2,400	3,000	12.70
RMS 40	5.0000	10.0000	2.0000	127.000	254.000	50.800	195.000	2,400	3,000	12.10
RMS 44 M	5.5000	11.0000	2.0000	139.700	279.400	50.800	212.000	2,000	2,600	-



Professional Bearing Manufacturer And Supplier

MRC Bearing Number	Bore	Outside Width		Bore	Outside Width		Basic Radial Load Rating		Speed Ratings ¹⁾		Single and Double Sealed
		Diameter			Diameter		Dynamic ²⁾	Static	Open and Shielded		
		d	D		B	d			D	B	
	mm			in			kN	kN	rpm	rpm	rpm
38-FFC	8	22	11.99	0.3150	0.8661	0.472	3.25	1.37	36,000	43,000	23,000
200-SFFC	10	30	14.29	0.3937	1.1811	9/16	5.07	2.40	24,000	30,000	17,000
201-SFFC	12	32	15.88	0.4724	1.2598	5/8	6.76	3.00	22,000	28,000	15,000
202-SFFC	15	35	15.88	0.5906	1.3780	5/8	7.61	3.75	19,000	24,000	13,000
203-SFFC	17	40	17.46	0.6693	1.5748	11/16	9.56	4.50	17,000	20,000	12,000
204-SFFC	20	47	20.64	0.7874	1.8504	13/16	13.00	6.70	15,000	18,000	10,000
205-SFFC	25	52	20.64	0.9843	2.0472	13/16	15.10	8.15	12,000	15,000	8,500
206-SFFC	30	62	23.81	1.1811	2.4409	15/16	20.80	11.40	10,000	13,000	7,500
207-SFFC	35	72	26.99	1.3780	2.8346	1 ¹ / ₁₆	26.50	15.30	9,000	11,000	6,300
208-SFFC	40	80	30.16	1.5748	3.1496	1 ³ / ₁₆	32.50	20.00	8,500	10,000	5,600
209-SFFC	45	85	30.16	1.7717	3.3465	1 ³ / ₁₆	36.40	22.80	7,500	9,000	5,000
210-SFFC	50	90	30.16	1.9685	3.5433	1 ³ / ₁₆	35.10	23.20	7,000	8,500	4,800
211-SFFC	55	100	33.34	2.1654	3.9370	1 ⁵ / ₁₆	39.70	29.00	6,300	7,500	4,300
213-SFFC	65	120	38.10	2.5591	4.7244	1 ¹ / ₂	62.40	44.00	5,300	6,300	3,600
214-SFFC	70	125	39.69	2.7559	4.9213	1 ⁹ / ₁₆	62.40	44.00	5,000	6,000	3,400
216-SFFC	80	140	44.45	3.1496	5.5118	1 ³ / ₄	78.00	53.00	4,500	5,300	3,000
304-SFFC	20	52	22.23	0.7874	2.0472	7/8	15.90	7.80	13,000	16,000	9,500
305-SFFC	25	62	25.40	0.9843	2.4409	1	21.00	11.00	11,000	14,000	7,500
306-SFFC	30	72	30.16	1.1811	2.8346	1 ³ / ₁₆	29.60	16.60	9,000	11,000	6,300
307-SFFC	35	80	34.93	1.3780	3.1496	1 ³ / ₈	36.40	20.00	8,500	10,000	6,000
308-SFFC	40	90	36.51	1.5748	3.5433	1 ⁷ / ₁₆	44.20	26.00	7,500	9,000	5,000
309-SFFC	45	100	39.69	1.7717	3.9370	1 ⁹ / ₁₆	52.00	30.00	6,700	8,000	4,500
310-SFFC	50	110	44.45	1.9685	4.3307	1 ³ / ₄	61.80	38.00	6,300	7,500	4,300
311-SFFC	55	120	49.21	2.1654	4.7244	1 ¹⁵ / ₁₆	71.50	45.00	5,600	6,700	3,800
312-SFFC	60	130	53.98	2.3622	5.1181	2 ¹ / ₈	81.90	52.00	5,000	6,000	3,400
313-SFFC	65	140	58.74	2.5591	5.5118	2 ⁵ / ₁₆	92.30	60.00	4,800	5,600	3,200
314-SFFC	70	150	63.50	2.7559	5.9055	2 ¹ / ₂	104.00	68.00	4,500	5,300	3,000
315-SFFC	75	160	68.26	2.9528	6.2992	2 ¹¹ / ₁₆	124.00	85.00	4,300	5,000	2,800
316-SFFC	80	170	68.26	3.1496	6.6929	2 ¹¹ / ₁₆	133.00	95.00	3,800	4,500	2,600
317-SFFC	85	180	73.03	3.3465	7.0866	2 ⁷ / ₈	133.00	96.50	3,600	4,300	2,400
318-SFFC	90	190	73.03	3.5433	7.4803	2 ⁷ / ₈	143.00	108.00	3,400	4,000	2,400
320-SFFC	100	215	82.55	3.9370	8.4646	3 ¹ / ₄	182.00	150.00	3,000	3,600	2,100