



Double Shielded 1ZGD8



Double Sealed 1ZGE4



Single-Row Radial Ball Bearings

- Operating temp. range: -65° to 250°F

Motor-quality low-friction, 52100 chrome steel industrial ball bearings are suitable for radial and thrust load applications that require precise low-torque rotation. Use flanged bearings for easier plate mounting. Noncontact, stainless steel shields reduce contamination without adding drag. Light-contact rubber seals protect the bearing, but with slightly higher drag. All are lubricated with general-purpose grease. Meet industry standard ABEC specifications.

Bore Dia.	Outside Dia.	W	Flange Dia.	Flange Thickness	Dynamic Load Cap.	Static Load Cap.	DOUBLE SHIELDED Industry No.	DOUBLE SHIELDED Item No.	DOUBLE SEALED Industry No.	DOUBLE SEALED Item No.
Inch Series										
0.125 in	0.375 in	0.1562 in	—	—	142 lb	49 lb	R2-ZZ	1ZGB8	R2-2RS	1ZGB8
0.125 in	0.5 in	0.1719 in	—	—	292 lb	51 lb	R2A-ZZ	1ZGB9	R2A-2RS	1ZGB9
0.1875 in	0.5 in	0.196 in	—	—	292 lb	110 lb	R3ZZ	1ZGC1	R3-2RS	1ZGD1
0.25 in	0.625 in	0.196 in	—	—	333 lb	140 lb	R4ZZ	1ZGC2	R4-2RS	1ZGD2
0.25 in	0.75 in	0.2812 in	—	—	526 lb	199 lb	R4AZZ	1ZGC3	R4A-2RS	1ZGD3
0.375 in	0.875 in	0.2812 in	—	—	742 lb	315 lb	R6ZZ	1ZGC4	R6-2RS	1ZGD4
0.5 in	1.125 in	0.3125 in	—	—	879 lb	504 lb	R8ZZ	1ZGC5	R8-2RS	1ZGD5
0.625 in	1.375 in	0.3438 in	—	—	1,035 lb	624 lb	R10ZZ	1ZGC6	R10-2RS	1ZGD6
0.75 in	1.625 in	0.4375 in	—	—	1,628 lb	1,003 lb	R12ZZ	1ZGC7	R12-2RS	1ZGD7
1 in	2 in	0.5 in	—	—	2,261 lb	1,364 lb	R16-ZZ	21XU35	R16-2RS	21XU40
Inch Series With Flange										
0.125 in	0.375 in	0.1562 in	0.44 in	0.031 in	142 lb	49 lb	FR2-ZZ	1ZGD8	FR2-2RS	1ZGE4
0.1875 in	0.5 in	0.196 in	0.565 in	0.042 in	292 lb	110 lb	FR3ZZ	1ZGD9	FR3-2RS	1ZGE5
0.25 in	0.625 in	0.196 in	0.69 in	0.042 in	333 lb	140 lb	FR4ZZ	1ZGE1	FR4-2RS	1ZGE6
0.375 in	0.875 in	0.2812 in	0.969 in	0.062 in	749 lb	320 lb	FR6ZZ	1ZGE2	FR6-2RS	1ZGE7
0.5 in	1.125 in	0.3125 in	1.225 in	0.062 in	884 lb	501 lb	FR8ZZ	1ZGE3	FR8-2RS	1ZGE8
Special Standard Bore Series										
0.5 in	32 mm	10 mm	—	—	—	—	6201ZZ/12.7-C3	21XU45	—	—
0.625 in	40 mm	12 mm	—	—	—	—	6203ZZ/15.875-C3	21XU41	—	—
Metric Series										
6 mm	19 mm	6 mm	—	—	—	—	—	525 lb.	201 lb.	626-2RS-C3 21XU46
7 mm	19 mm	6 mm	—	—	—	—	—	525 lb.	201 lb.	607-2RS-C3 21XU48
8 mm	22 mm	7 mm	739 lb.	310 lb.	627ZZ-C3 21XU34	—	—	—	—	—
8 mm	22 mm	7 mm	740 lb.	310 lb.	608ZZ-C3 21XU33	—	—	740 lb.	310 lb.	608-2RS-C3 21XU39
9 mm	24 mm	7 mm	754 lb.	324 lb.	609ZZ 21XU44	—	—	—	—	—
9 mm	19 mm	5 mm	234 lb.	169 lb.	6800ZZ 1ZGH6	—	—	—	—	—
10 mm	22 mm	6 mm	605 lb.	286 lb.	6900ZZ 1ZG7	—	—	—	—	—
10 mm	26 mm	8 mm	1030 lb.	445 lb.	6000ZZ 1ZGF9	—	—	1030 lb.	440 lb.	6000-2RS 1ZGF6
10 mm	30 mm	9 mm	1147 lb.	535 lb.	6200ZZ 1ZGG3	—	—	1150 lb.	540 lb.	6200-2RS 1ZGG9
12 mm	21 mm	5 mm	315 lb.	202 lb.	6801ZZ 1ZGH7	—	—	—	—	—
12 mm	24 mm	6 mm	650 lb.	328 lb.	6901ZZ 1ZG8	—	—	—	—	—
12 mm	28 mm	8 mm	1147 lb.	—	6001ZZ 1ZGF1	—	—	1147 lb.	535 lb.	6001-2RS 1ZGF7
12 mm	32 mm	10 mm	1533 lb.	686 lb.	6201ZZ 1ZGG4	—	—	1370 lb.	615 lb.	6201-2RS 1ZGH1
15 mm	24 mm	5 mm	432 lb.	—	6802ZZ 1ZGH8	—	—	—	—	—
15 mm	28 mm	7 mm	971 lb.	506 lb.	6902ZZ 1ZG9	—	—	—	—	—
15 mm	32 mm	9 mm	1254 lb.	641 lb.	6002ZZ 1ZGF2	—	—	1254 lb.	641 lb.	6002-2RS 1ZGF8
15 mm	35 mm	11 mm	1720 lb.	836 lb.	6202ZZ 1ZGG5	—	—	1720 lb.	836 lb.	6202-2RS 1ZGH2
15 mm	42 mm	13 mm	—	—	—	—	—	2563 lb.	1225 lb.	6302-2RS-C3 21XU47
17 mm	26 mm	5 mm	490 lb.	288 lb.	6803ZZ 1ZGH9	—	—	—	—	—
17 mm	30 mm	7 mm	1032 lb.	573 lb.	6903ZZ 1ZGK1	—	—	—	—	—
17 mm	35 mm	10 mm	1349 lb.	751 lb.	6003ZZ 1ZGF3	—	—	1349 lb.	751 lb.	6003-2RS 1ZGF9
17 mm	40 mm	12 mm	2159 lb.	1005 lb.	6203ZZ 1ZGG6	—	—	2159 lb.	1005 lb.	6203-2RS 1ZGH3
17 mm	47 mm	14 mm	3057 lb.	1494 lb.	6303ZZ-C3 21XU52	—	—	3057 lb.	1494 lb.	6303-2RS-C3 21XU56
20 mm	32 mm	7 mm	776 lb.	506 lb.	6804ZZ 1ZGJ1	—	—	—	—	—
20 mm	37 mm	9 mm	1432 lb.	627 lb.	6904ZZ 1ZGK2	—	—	—	—	—
20 mm	42 mm	12 mm	2109 lb.	1129 lb.	6004ZZ 1ZGF4	—	—	2109 lb.	1129 lb.	6004-2RS 1ZGF1
20 mm	47 mm	14 mm	2221 lb.	1394 lb.	6204ZZ 1ZGG7	—	—	2221 lb.	1394 lb.	6204-2RS 1ZGH4
25 mm	52 mm	15 mm	—	—	—	—	—	3574 lb.	1764 lb.	6304-2RS-C3 21XU57
25 mm	47 mm	12 mm	2271 lb.	1315 lb.	6005ZZ 1ZGF5	—	—	2271 lb.	—	6005-2RS 1ZGG2
25 mm	52 mm	15 mm	2429 lb.	1569 lb.	6205ZZ 1ZGG8	—	—	2429 lb.	1569 lb.	6205-2RS 1ZGH5
25 mm	62 mm	17 mm	—	—	—	—	—	5782 lb.	2491 lb.	6305-2RS-C3 21XU58
30 mm	55 mm	13 mm	—	—	—	—	—	2967 lb.	1854 lb.	6006-2RS-C3 21XU42
30 mm	62 mm	16 mm	4384 lb.	2540 lb.	6206ZZ-C3 21XU36	—	—	4392 lb.	2538 lb.	6206-2RS-C3 21XU49
30 mm	72 mm	19 mm	5957 lb.	3370 lb.	6306ZZ-C3 21XU53	—	—	6002 lb.	3372 lb.	6306-2RS-C3 21XU59
35 mm	62 mm	14 mm	—	—	—	—	—	3640 lb.	2322 lb.	6007-2RS-C3 21XU43
35 mm	72 mm	17 mm	5793 lb.	3482 lb.	6207ZZ-C3 21XU37	—	—	5778 lb.	3462 lb.	6207-2RS-C3 21XU50
35 mm	80 mm	21 mm	7509 lb.	4338 lb.	6307ZZ-C3 21XU54	—	—	7509 lb.	4338 lb.	6307-2RS-C3 21XU60
40 mm	80 mm	18 mm	6542 lb.	4001 lb.	6208ZZ-C3 21XU38	—	—	6542 lb.	4001 lb.	6208-2RS-C3 21XU51
45 mm	100 mm	25 mm	10,993 lb.	6631 lb.	6309ZZ-C3 21XU55	—	—	10,993 lb.	6631 lb.	6309-2RS-C3 21XU61
Metric Series With Flange										
10 mm	19 mm	5 mm	21.0 mm	1.0 mm	382 lb.	188 lb.	—	—	—	F6800ZZ 1ZGJ2
10 mm	22 mm	6 mm	25.0 mm	1.5 mm	587 lb.	275 lb.	—	—	—	F6900ZZ 1ZGK3
12 mm	21 mm	5 mm	23.0 mm	1.1 mm	429 lb.	234 lb.	—	—	—	F6801ZZ 1ZGJ3
12 mm	24 mm	6 mm	26.5 mm	1.5 mm	636 lb.	317 lb.	—	—	—	F6901ZZ 1ZGK4
15 mm	24 mm	5 mm	26.0 mm	1.1 mm	466 lb.	282 lb.	—	—	—	F6802ZZ 1ZGJ4
15 mm	28 mm	7 mm	30.5 mm	1.5 mm	971 lb.	508 lb.	—	—	—	F6902ZZ 1ZGK5
17 mm	26 mm	5 mm	28.0 mm	1.1 mm	502 lb.	327 lb.	—	—	—	F6803ZZ 1ZGJ5
17 mm	30 mm	7 mm	32.5 mm	1.5 mm	1031 lb.	577 lb.	—	—	—	F6903ZZ 1ZGK6



54DD78

NTN
Single-Row Radial Ball Bearings with Food Grade Solid Lubrication

440C stainless steel cage. Double sealed. Temp. range: 14° to 212°F. FDA/USDA Approved H1 Solid Grease.

Bore Dia.	Outside Dia.	W	Mfr. Model	Item No.
6000 Series				
10 mm	26 mm	8 mm	S6000 2RS F61	54DD78
12 mm	28 mm	8 mm	S6001 2RS F61	54DD79
15 mm	32 mm	9 mm	S6002 2RS F61	54DD81
17 mm	35 mm	10 mm	S6003 2RS F61	54DD83
20 mm	42 mm	12 mm	S6004 2RS F61	54DD85
25 mm	47 mm	12 mm	S6005 2RS F61	54DD87
30 mm	55 mm	13 mm	S6006 2RS F61	54DD89
35 mm	62 mm	14 mm	S6007 2RS F61	54DD91
6200 Series				
12 mm	32 mm	10 mm	S6201 2RS F61	54DD80
15 mm	35 mm	11 mm	S6202 2RS F61	54DD82
17 mm	40 mm	12 mm	S6203 2RS F61	54DD84
20 mm	47 mm	14 mm	S6204 2RS F61	54DD86
25 mm	52 mm	15 mm	S6205 2RS F61	54DD88
30 mm	62 mm	16 mm	S6206 2RS F61	54DD90
35 mm	72 mm	17 mm	S6207 2RS F61	54DD92



4VYV6

FAG
Self-Aligning Double-Row Radial Ball Bearings

Provide support for radial and axial loads on shafts that are constantly misaligning and deflecting. Double contact sealed with a glass fiber-reinforced polyamide cage.

Bore Dia.	Outside Dia.	W	Mfr. Model	Item No.
12 mm	32 mm	14 mm	2201-2RS-TVH	4VYV6
15 mm	35 mm	14 mm	2202-2RS-TVH	4VYV7
17 mm	40 mm	16 mm	2203-2RS-TVH	4VYV8
20 mm	47 mm	18 mm	2204-2RS-TVH	4VYV9
25 mm	52 mm	18 mm	2205-2RS-TVH	4VYV21
30 mm	62 mm	20 mm	2206-2RS-TVH	4VYV22
35 mm	72 mm	23 mm	2207-2RS-TVH	4VYV23
40 mm	80 mm	23 mm	2208-2RS-TVH	4VYV24