

Bearing Ind. No.	Bore Dia. (mm)	Outside Dia. (mm)	Outer Ring Width (mm)	Brand	Double Shielded Closure		Double Sealed Closure		Open Closure	
					Dyn. Radial Load Cap.	Item No.	Dyn. Radial Load Cap.	Item No.	Dyn. Radial Load Cap.	Item No.
General Purpose Radial Ball Bearings-Metric										
605	5	14	5	Tritan	4,900 lbf	49DD41	—	—	—	—
608	8	22	7	Tritan	740 lbf	49DD47	740 lbf	49DD46	—	—
625	5	16	5	Tritan	7,870 lbf	49DD54	7,300 lbf	49DD53	—	—
626	6	19	6	Tritan	7,870 lbf	49DD56	7,300 lbf	49DD55	—	—
6000	10	26	8	SKF	4.75 kN	35UF40	1,070 lbf	36MC08	4.75 kN	36MC09
6001	12	28	8	SKF	5.4 kN	35UF41	1,210 lbf	36MC10	5.4 kN	36MC11
6002	15	32	9	SKF	5.85 kN	36MC13	1,320 lbf	36MC12	5.85 kN	35UF42
6003	17	35	10	SKF	6.37 kN	35UF43	1,430 lbf	36MC14	6.37 kN	36MC15
6004	20	42	12	SKF	9.95 kN	36MC17	2,240 lbf	36MC16	9.95 kN	36MC18
6005	25	47	12	SKF	11.9 kN	36MC20	2,680 lbf	36MC19	11.9 kN	36MC21
6006	30	55	13	SKF	13.8 kN	36MC23	3,100 lbf	36MC22	13.8 kN	36MC24
6007	35	62	14	Timken	17,700 N	45A061	17,700 N	45A062	17,704 N	45A059
6007	35	62	14	SKF	16.8 kN	36MC26	3,780 lbf	36MC25	16.8 kN	36MC27
6008	40	68	15	SKF	17.8 kN	36MC29	4,000 lbf	36MC28	17.8 kN	36MC30
6009	45	75	16	SKF	22.1 kN	36MC32	4,970 lbf	36MC31	22.1 kN	36MC33
6010	50	80	16	SKF	22.9 kN	36MC35	5,150 lbf	36MC34	22.9 kN	36MC36
6012	60	95	18	SKF	30.7 kN	36MC41	6,900 lbf	36MC40	30.7 kN	36MC42
6013	65	100	18	SKF	31.9 kN	36MC44	7,170 lbf	36MC43	31.9 kN	36MC45
6014	70	110	20	SKF	39.7 kN	36MC47	8,920 lbf	36MC46	39.7 kN	36MC48
6200	10	30	9	SKF	5.4 kN	23Y187	1,220 lbf	23Y185	5.4 kN	23Y189
6201	12	32	10	SKF	7.28 kN	23Y193	1,700 lbf	23Y191	7.28 kN	23Y195
6202	15	35	11	SKF	8.06 kN	23Y198	1,800 lbf	23Y196	8.06 kN	23Y201
6203	17	40	12	SKF	9.95 kN	23Y205	2,200 lbf	23Y203	9.95 kN	23Y207
6203	17	40	12	Timken	10,600 N	44Z810	2,450 lbf	44Z813	10,587 N	44Z809
6204	20	47	14	SKF	13.5 kN	23Y211	3,000 lbf	23Y209	13.5 kN	23Y213
6205	25	52	15	Timken	14,900 N	44Z819	14,900 N	44Z821	15,524 N	44Z818
6205	25	52	15	SKF	14.8 kN	23Y217	3,300 lbf	23Y215	14.8 kN	23Y219
6206	30	62	16	SKF	20.3 kN	23Y223	4,600 lbf	23Y221	20.3 kN	23Y225
6206	30	62	16	Timken	—	—	21,600 N	44Z826	5,000 lbf	44Z822
6207	35	72	17	SKF	27 kN	23Y229	6,100 lbf	23Y227	27 kN	23Y231
6207	35	72	17	Timken	28,500 N	44Z830	28,500 N	44Z833	28,500 N	44Z829
6208	40	80	18	SKF	32.5 kN	23Y235	7,300 lbf	23Y233	32.5 kN	23Y237
6209	45	85	19	SKF	35.1 kN	23Y241	7,900 lbf	23Y239	35.1 kN	23Y243
6210	50	90	20	SKF	37.1 kN	23Y247	8,300 lbf	23Y245	37.1 kN	23Y249
6211	55	100	21	SKF	46.2 kN	23Y253	10,400 lbf	23Y251	46.2 kN	23Y255
6212	60	110	22	SKF	55.3 kN	23Y259	12,400 lbf	23Y257	55.3 kN	23Y261
6213	65	120	23	SKF	58.5 kN	23Y264	13,200 lbf	23Y263	58.5 kN	23Y265
6220	100	180	34	SKF	127 kN	23Y285	28,500 lbf	23Y284	127 kN	23Y286
6301	12	37	12	SKF	10.1 kN	36D435	2,300 lbf	36D434	10.1 kN	36D436
6302	15	42	13	SKF	11.9 kN	36D438	2,700 lbf	36D437	11.9 kN	36D439
6303	17	47	14	SKF	14.3 kN	36D441	3,200 lbf	36D440	14.3 kN	36D442
6304	20	52	15	SKF	16.8 kN	36D445	3,800 lbf	36D443	16.8 kN	36D447
6305	25	62	17	SKF	23.4 kN	36D451	5,300 lbf	36D449	23.4 kN	36D453
6306	30	72	19	SKF	29.6 kN	36D457	6,700 lbf	36D455	29.6 kN	36D459
6307	35	80	21	SKF	35.1 kN	36D463	7,900 lbf	36D461	35.1 kN	36D465
6308	40	90	23	SKF	42.3 kN	36D469	9,500 lbf	36D467	42.3 kN	36D471
6309	45	100	25	SKF	55.3 kN	36D475	12,400 lbf	36D473	55.3 kN	36D477
6309	45	100	25	Timken	58,500 N	44Z975	58,500 N	44Z978	58,717 N	44Z974
6310	50	110	27	SKF	65 kN	36D481	14,600 lbf	36D479	65 kN	36D483
6311	55	120	29	SKF	74.1 kN	36D486	16,700 lbf	36D485	74.1 kN	36D487
6312	60	130	31	SKF	85.2 kN	36D489	19,200 lbf	36D488	85.2 kN	36D490
6313	65	140	33	SKF	97.5 kN	36D492	21,900 lbf	36D491	97.5 kN	36D493
6314	70	150	35	SKF	111 kN	36D495	25,000 lbf	36D494	111 kN	36D496
6315	75	160	37	SKF	119 kN	36D498	26,800 lbf	36D497	119 kN	36D499
6318	90	190	43	SKF	151 kN	36D508	33,900 lbf	36D507	151 kN	36D509



23Y185



General Purpose Radial Ball Bearings

Can operate at high speeds with low loads in general purpose applications. They have a single row of ball rollers for radial loads, but can support some axial movement. Alloy steel ring.

Bearing Ind. No.	Bore Dia. (in)	Outside Dia. (in)	Outer Ring Width (in)	Brand	Double Sealed Closure		Double Shielded Closure	
					Dyn. Radial Load Cap. (lbf)	Item No.	Dyn. Radial Load Cap. (lbf)	Item No.
General Purpose Radial Ball Bearings-Standard								
188	¼	½	0.187	Tritan	—	—	88	49DE12
1602	¼	½	0.25	Tritan	—	—	491	35JC12
1602	¼	½	0.312	Tritan	491	35JC37	—	—
1604	⅜	⅝	0.343	Tritan	747	35JC39	—	—
1614	⅜	1 ⅛	0.375	Tritan	1,047	35JC43	1,047	35JC18
1616	½	1 ⅛	0.375	Tritan	1,047	35JC45	1,047	35JC20
1621	½	1 ⅜	0.437	Tritan	1,525	35JC47	1,525	35JC22
1623	⅝	1 ⅜	0.437	Tritan	1,525	35JC49	1,525	35JC24
1628	⅝	1 ½	0.5	Tritan	2,109	35JC50	2,109	35JC25
1630	¾	1 ½	0.5	Tritan	2,109	35JC51	2,109	35JC26
1633	¾	1 ¾	0.5	Tritan	2,109	35JC52	2,109	35JC27
1635	¾	1 ¾	0.5	Tritan	2,109	35JC53	2,109	35JC28
1638	¾	2	0.562	Tritan	3,150	35JC54	3,150	35JC29
1641	1	2	0.562	Tritan	3,150	35JC56	3,150	35JC31
1654	1 ¼	2 ½	0.625	Tritan	2,880	35JC58	2,880	35JC33
R3	⅜	½	0.196	Tritan	295	35JC75	295	35JC62
R4	¼	⅝	0.196	Tritan	335	35JC76	335	35JC63
R4A	¼	⅝	0.281	Tritan	525	49DE07	525	49DE08
R6	¾	⅞	0.281	Tritan	745	35JC77	745	35JC64
R8	½	1 ⅛	0.312	Tritan	1,148	35JC78	1,148	35JC65
R10	⅝	1 ⅜	0.343	Tritan	1,347	35JC79	1,347	35JC66
R12	¾	1 ½	0.437	Tritan	1,770	35JC80	1,770	35JC67
R16	1	2	0.5	Tritan	2,261	35JC82	2,261	35JC69
R20	1 ¼	2 ¼	0.5	Tritan	3,150	35JC84	3,150	35JC71
R22	1 ⅝	2 ½	0.562	Tritan	3,480	35JC85	3,480	35JC72
R24	1 ¾	2 ⅝	0.562	Tritan	3,780	35JC86	3,780	35JC73



4ZXK8

NTN General Purpose Cartridge Radial Ball Bearings

Constructed with a thick outer ring but have standard bore and outside diameter dimensions. They are for general purpose applications that require a wider bearing to fit properly in the assembly without impacting the load capacity of the bearing, and are often used in bicycles. Alloy steel ring and a double-sealed closure.

Bearing Industry Number	Bore Dia. (mm)	Outside Dia. (mm)	Outer Ring Width (mm)	Dyn. Radial Load Cap.	Item No.
63203	17	40	17.5	10,600 N	4ZXK8
63304	20	52	22.2	3,500 N	4ZXN3
63206	30	62	23.8	28,400 N	4ZXK9
63207	35	72	27	32,500 N	4ZXL1



1L009

NTN High-Temperature Radial Ball Bearings

■ Max. operating temp.: 120°F
Resist high temperatures and are for use in industrial applications where bearings are exposed to sustained high temperatures such as in steel mills.

Note: Additional sizes and types are available on Grainger.com.

Bearing Industry Number	Bore Dia. (in)	Outside Dia. (in)	Outer Ring Width (in)	Dyn. Radial Load Cap.	Item No.
Alloy Steel Ring, Double Sealed Closure					
R16	1	2	0.5	7,750 N	1L043
R20	1 ¼	2 ¼	0.5	9,050 N	5U487
Alloy Steel Ring, Double Shielded Closure					
624	4 mm	13 mm	5 mm	1,450 N	5U557
R16	1	2	0.5	7,750 N	1L009
R20	1 ¼	2 ¼	0.5	9,050 N	5U488
Special	⅝	22 mm	7 mm	3,700 N	5U528



49DE50

High-Precision Radial Ball Bearings

Feature a higher ABEC rating than standard radial ball bearings. They are used in applications that require a high level of precision, efficiency, and speed such as aerospace assemblies, medical systems, and robotics.

Bearing Industry Number	Bore Dia. (in)	Outside Dia. (in)	Outer Ring Width (in)	Dyn. Radial Load Cap. (lbf)	Item No.
High-Precision Radial Ball Bearings-Standard					
Alloy Steel Ring, Double Shielded Closure					
R4	¼	⅝	0.196	332.7338	49DE54
Stainless Steel Ring, Open Closure					
1810	⅝	½	0.156	121.6276	45VC71
R2-6	⅜	⅝	0.109	144.1097	45VC79
Bearing Industry Number					
High-Precision Radial Ball Bearings-Metric					
Alloy Steel Ring, Double Sealed Closure					
698	8	19	6	2,240 N	49DE50
Alloy Steel Ring, Double Shielded Closure					
696	6	15	5	1,340 N	49DE49