



TIMKEN Single row deep groove ball bearing Steel Closure on one side

Single-row deep groove ball bearings are extremely versatile. They are simple in design, suitable for high to very high speeds, very robust and thus low-maintenance. Thanks to the deep grooves and the close contact between the grooves and the balls, deep groove ball bearings are extremely well suited to tolerate both radial loads and axial loads in both directions, even at high speeds. Both open (unsealed) and sealed versions of the single-row deep groove ball bearings are available.

Characteristics

Series: 60

Type: 6312

Execution: Single row

Material: Steel

Sealing: Closure on one side

Manufacturer ID	Inner diameter mm	Inner diameter in	Outer diameter mm	Width mm	Internal clearance	Cage	Article
							Max. 200 articles in the table
PS1KD7 Z1 FS50160	6.35		155.75	4978	CN [normal]	Steel	13162054
6000-Z-C3	10		26	8	C3	Steel	12828987
6000-Z	10		26	8	CN [normal]	Steel	12828980
6000-RS	10		26	8	CN [normal]	Steel	12828975
6200-Z-C3	10		30	9	C3	Steel	12830183
6200-Z	10		30	9	CN [normal]	Steel	12830178
P200KD Z3 FS50000	10		30	9	CN [normal]	Steel	13162104
6200-RS	10		30	9	CN [normal]	Steel	12830172
6300-Z	10		35	11	CN [normal]	Steel	12830993
6001-Z-C3	12		28	8	C3	Steel	12829010
6001-Z	12		28	8	CN [normal]	Steel	12829004
P9101KD Z1 FS50000	12		28	8	CN [normal]	Steel	13162060
6001-RS-C3	12		28	8	C3	Steel	12828999
6001-RS	12		28	8	CN [normal]	Steel	12828992
6201-Z-C3	12		32	10	C3	Steel	12830204
6201-Z	12		32	10	CN [normal]	Steel	12830199
P201KD Z3 FS50000	12		32	10	CN [normal]	Steel	13162100
6201-RS-C3	12		32	10	C3	Steel	12830195
6201-RS	12		32	10	CN [normal]	Steel	12830190
6301-Z	12		37	12	CN [normal]	Steel	12831005
6301-RS	12		37	12	CN [normal]	Steel	12830999
6002-Z-C3	15		32	9	C3	Steel	12829028
6002-Z	15		32	9	CN [normal]	Steel	12829022
6002-RS	15		32	9	CN [normal]	Steel	12829016
P9102P Z1 FS50000	15		32	9	CN [normal]	Steel	13162057
6202-Z-C3	15		35	11	C3	Steel	12830226
6202-Z	15		35	11	CN [normal]	Steel	12830221
P202KD Z3 FS50000	15		35	11	CN [normal]	Steel	13162095
P202P Z3 FS50000	15		35	11	CN [normal]	Steel	13162089
6202-RS	15		35	11	CN [normal]	Steel	12830209
6302-Z-C3	15		42	13	C3	Steel	12831023
6302-Z	15		42	13	CN [normal]	Steel	12831016
203KR2	15.883		40	14	CN [normal]	Steel	12719972
204PY3	16		45.225	18.7	CN [normal]	Steel	11816710
6003-Z-C3	17		35	10	C3	Steel	12829047

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Manufacturer ID	Inner diameter	Inner diameter	Outer diameter	Width	Internal clearance	Cage	Article
	mm	in	mm	mm			Max. 200 articles in the table
6003-Z	17		35	10	CN [normal]	Steel	12829042
6003-RS	17		35	10	CN [normal]	Steel	12829034
6203-Z-C3	17		40	12	C3	Steel	12830250
6203-Z	17		40	12	CN [normal]	Steel	12830243
6203-RS-C3	17		40	12	C3	Steel	12830238
6203-RS	17		40	12	CN [normal]	Steel	12830233
6303-Z-C3	17		47	14	C3	Steel	12831038
6303-Z	17		47	14	CN [normal]	Steel	12831033
6303-RS	17		47	14	CN [normal]	Steel	12831028
S8KD Z1 FS50000	19.05	3/4	41.275	11.13	CN [normal]	Steel	13162036
6004-Z-C3	20		42	12	C3	Steel	12829069
6004-Z	20		42	12	CN [normal]	Steel	12829064
6004-RS	20		42	12	CN [normal]	Steel	12829057
6204-Z-C3	20		47	14	C3	Steel	12830291
6204-Z	20		47	14	CN [normal]	Steel	12830284
P204KD Z3 FS50000	20		47	14	CN [normal]	Steel	13162084
6204-RS-C3	20		47	14	C3	Steel	12830279
6204-RS	20		47	14	CN [normal]	Steel	12830272
P204P Z3 FS50000	20		47	14	CN [normal]	Steel	13162083
6304-Z-C3	20		52	15	C3	Steel	12831069
6304-Z	20		52	15	CN [normal]	Steel	12831062
6304-RS-C3	20		52	15	C3	Steel	12831057
6304-RS	20		52	15	CN [normal]	Steel	12831050
6005-Z-C3	25		47	12	C3	Steel	12829091
6005-Z	25		47	12	CN [normal]	Steel	12829086
6005-RS-C3	25		47	12	C3	Steel	12829079
6005-RS	25		47	12	CN [normal]	Steel	12829076
6205-Z-C3	25		52	15	C3	Steel	12830333
6205-Z	25		52	15	CN [normal]	Steel	12830326
P205KD Z3 FS50000	25		52	15	CN [normal]	Steel	13162081
6205-RS-C3	25		52	15	C3	Steel	12830321
6205-RS	25		52	15	CN [normal]	Steel	12830316
P205P Z3 FS50000	25		52	15	CN [normal]	Steel	13162080
6305-Z-C3	25		62	17	C3	Steel	12831092
6305-Z	25		62	17	CN [normal]	Steel	12831086
6305-RS-C3	25		62	17	C3	Steel	12831079
6305-RS	25		62	17	CN [normal]	Steel	12831074
S10P Z5 FS50000	25.4		50.8	12.7	CN [normal]	Steel	13162043
6006-Z-C3	30		55	13	C3	Steel	12829110
6006-Z	30		55	13	CN [normal]	Steel	12829103
6006-RS	30		55	13	CN [normal]	Steel	12829098
6206-Z-C3	30		62	16	C3	Steel	12830360
6206-Z	30		62	16	CN [normal]	Steel	12830355
6206-RS-C3	30		62	16	C3	Steel	12830350
6206-RS	30		62	16	CN [normal]	Steel	12830343
6306-Z-C3	30		72	19	C3	Steel	12831127
6306-Z	30		72	19	CN [normal]	Steel	12831121
6306-RS-C3	30		72	19	C3	Steel	12831115
6306-RS	30		72	19	CN [normal]	Steel	12831108
6007-Z-C3	35		62	14	C3	Steel	12829134
6007-Z	35		62	14	CN [normal]	Steel	12829127
9107KD Z5 FS50000	35		62	14	CN [normal]	Steel	13162180

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	mm	in	mm	mm			Max. 200 articles in the table
6007-RS-C3	35		62	14	C3	Steel	12829122
6007-RS	35		62	14	CN [normal]	Steel	12829115
9107P Z5 FS50000	35		62	14	CN [normal]	Steel	13162179
6207-Z-C3	35		72	17	C3	Steel	11738891
6207-Z	35		72	17	CN [normal]	Steel	12830384
6207-RS-C3	35		72	17	C3	Steel	12830377
6207-RS	35		72	17	CN [normal]	Steel	12830372
6307-Z-C3	35		80	21	C3	Steel	12831163
6307-Z	35		80	21	CN [normal]	Steel	12831156
6307-RS-C3	35		80	21	C3	Steel	12831150
6307-RS	35		80	21	CN [normal]	Steel	12831144
6008-Z-C3	40		68	15	C3	Steel	12829162
6008-Z	40		68	15	CN [normal]	Steel	12829156
6008-RS-C3	40		68	15	C3	Steel	12829150
6008-RS	40		68	15	CN [normal]	Steel	12829145
6208-Z-C3	40		80	18	C3	Steel	12830420
6208-Z	40		80	18	CN [normal]	Steel	12830414
6208-RS-C3	40		80	18	C3	Steel	12830408
6208-RS	40		80	18	CN [normal]	Steel	12830401
6308-Z-C3	40		90	23	C3	Steel	11738959
6308-Z	40		90	23	CN [normal]	Steel	12831185
6308-RS-C3	40		90	23	C3	Steel	12831180
6308-RS	40		90	23	CN [normal]	Steel	12490557
6009-Z-C3	45		75	16	C3	Steel	12829177
6009-Z	45		75	16	CN [normal]	Steel	12829172
6009-RS	45		75	16	CN [normal]	Steel	12829169
6209-Z-C3	45		85	19	C3	Steel	12830447
6209-Z	45		85	19	CN [normal]	Steel	12830442
6209-RS-C3	45		85	19	C3	Steel	12830439
6209-RS	45		85	19	CN [normal]	Steel	12830434
6309-Z-C3	45		100	25	C3	Steel	11738965
6309-Z	45		100	25	CN [normal]	Steel	12831227
6309-RS-C3	45		100	25	C3	Steel	12831221
6309-RS	45		100	25	CN [normal]	Steel	12831216
6010-Z-C3	50		80	16	C3	Steel	12829196
6010-Z	50		80	16	CN [normal]	Steel	12829189
6010-RS	50		80	16	CN [normal]	Steel	12829184
6210-Z-C3	50		90	20	C3	Steel	12830484
6210-Z	50		90	20	CN [normal]	Steel	12830479
6210-RS-C3	50		90	20	C3	Steel	12830474
6210-RS	50		90	20	CN [normal]	Steel	12830469
6310-Z-C3	50		110	27	C3	Steel	12831261
6310-Z	50		110	27	CN [normal]	Steel	12831256
6310-RS	50		110	27	CN [normal]	Steel	12831249
6011-Z	55		90	18	CN [normal]	Steel	12829213
6011-RS	55		90	18	CN [normal]	Steel	12829206
6211-Z-C3	55		100	21	C3	Steel	12830509
6211-Z	55		100	21	CN [normal]	Steel	12830503
6211-RS-C3	55		100	21	C3	Steel	12830497
6211-RS	55		100	21	CN [normal]	Steel	12830491
6311-Z-C3	55		120	29	C3	Steel	12831295
6311-Z	55		120	29	CN [normal]	Steel	12831290
6311-RS	55		120	29	CN [normal]	Steel	12831284

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	mm	in	mm	mm			Max. 200 articles in the table
6012-Z	60		95	18	CN [normal]	Steel	12829225
9112P FS50000	60		95	18	CN [normal]	Steel	13162168
6212-Z-C3	60		110	22	C3	Steel	12830543
6212-Z	60		110	22	CN [normal]	Steel	12830538
6312-Z-C3	60		130	31	C3	Steel	12831323
6312-Z	60		130	31	CN [normal]	Steel	12831318
6013-Z-C3	65		100	18	C3	Steel	12829248
6013-Z	65		100	18	CN [normal]	Steel	12829241
9113P Z6 FS50000	65		100	18	CN [normal]	Steel	13162164
6013-RS	65		100	18	CN [normal]	Steel	12829236
6213-Z-C3	65		120	23	C3	Steel	12830572
6213-Z	65		120	23	CN [normal]	Steel	12830567
6213-RS-C3	65		120	23	C3	Steel	12830562
6213-RS	65		120	23	CN [normal]	Steel	12830555
6313-Z-C3	65		140	33	C3	Steel	12831345
6313-Z	65		140	33	CN [normal]	Steel	12831339
6313-RS	65		140	33	CN [normal]	Steel	12831332
6014-Z	70		110	20	CN [normal]	Steel	12829270
6014-RS	70		110	20	CN [normal]	Steel	12829265
6214-Z-C3	70		125	24	C3	Steel	12830587
6214-Z	70		125	24	CN [normal]	Steel	12830582
6214-RS	70		125	24	CN [normal]	Steel	12830577
6314-Z-C3	70		150	35	C3	Steel	12831367
6314-Z	70		150	35	CN [normal]	Steel	12831362
6314-RS	70		150	35	CN [normal]	Steel	12831357
6015-Z	75		115	20	CN [normal]	Steel	12829294
6015-RS	75		115	20	CN [normal]	Steel	12829287
6215-Z-C3	75		130	25	C3	Steel	12830603
6215-Z	75		130	25	CN [normal]	Steel	12830598
6215-RS	75		130	25	CN [normal]	Steel	12830594
6315-Z-C3	75		160	37	C3	Steel	12831386
6315-Z	75		160	37	CN [normal]	Steel	12831380
6016-Z	80		125	22	CN [normal]	Steel	12829305
6216-Z-C3	80		140	26	C3	Steel	12830617
6216-Z	80		140	26	CN [normal]	Steel	12830613
6216-RS	80		140	26	CN [normal]	Steel	12830608
6316-Z-C3	80		170	39	C3	Steel	12831411
6316-Z	80		170	39	CN [normal]	Steel	12831403
6017-Z	85		130	22	CN [normal]	Steel	12829334
6217-Z-C3	85		150	28	C3	Steel	12830633
6217-Z	85		150	28	CN [normal]	Steel	12830628
6317-Z	85		180	41	CN [normal]	Steel	12831432
6018-Z	90		140	24	CN [normal]	Steel	12829346
6218-Z-C3	90		160	30	C3	Steel	12830643
6218-Z	90		160	30	CN [normal]	Steel	12830636
6318-Z-C3	90		190	43	C3	Steel	12831456
6318-Z	90		190	43	CN [normal]	Steel	12831450
6019-Z	95		145	24	CN [normal]	Steel	12829364
6219-Z	95		170	32	CN [normal]	Steel	12830663
6020-Z	100		150	24	CN [normal]	Steel	12829382
6020-RS	100		150	24	CN [normal]	Steel	12829377
6220-Z-C3	100		180	34	C3	Steel	12830717
6220-Z	100		180	34	CN [normal]	Steel	12830712

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	mm	in	mm	mm			Max. 200 articles in the table
6021-Z	105		160	26	CN [normal]	Steel	12829394
6022-Z	110		170	28	CN [normal]	Steel	12829416
6222-Z-C3	110		200	38	C3	Steel	12830754
6222-Z	110		200	38	CN [normal]	Steel	12830751
6024-Z-C3	120		180	28	C3	Steel	12829440
6024-Z	120		180	28	CN [normal]	Steel	12829433

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