



FAG 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.

Bearing with cover plates Z:

The cover plates, manufactured from sheet steel, are primarily suited to applications where the i-race of the bearing rotates. There is a sealing gap between the outer edge of the plate and the i-race. The clearance between the cover plate and the i-race is designed in such a way that no contact can be made, even if the bearing exhibits a large amount of radial play. To prevent corrosion, the cover plates are galvanized.

Bearing with low-friction seals BRS:

These non-contact seals are made from oil-resistant and wear-resistant nitrile butadiene rubber (NBR) with sheet steel reinforcement. There is a very narrow clearance between the seal and the i-race, which prevents contact between the two components. This allows bearings with low-friction seals to be used at high speeds in the same manner as bearings with Z-seals, although the former offer better sealing performance.

Bearing with contact seals RSR, HRS:

Contact seals are made from nitrile butadiene rubber (NBR) with sheet steel reinforcement. The seals are fitted in the recesses of the o-race. In contrast to the low-friction seal, the contact seal makes contact with the i-race. The contact seal prevents the ingress of any dust or moisture into the bearing.

Characteristics

Series: 60

Type: 6204

Execution: Single row

Material: Steel

Sealing: Closure on one side

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
Max. 200 articles in the table						
6000-C-Z	10	26	8	CN (normal)	Steel	11832347
6000-C-HRS	10	26	8	CN (normal)	Steel	12624029
6200-C-Z-C3	10	30	9	C3	Steel	12624204
6200-C-Z	10	30	9	CN (normal)	Steel	12624203
6200-C-HRS	10	30	9	CN (normal)	Steel	12624201
6200-RSR	10	30	9	CN (normal)	Steel	12624205
6001-C-Z-C3	12	28	8	C3	Steel	12624034
6001-C-Z	12	28	8	CN (normal)	Steel	12624033
6001-C-HRS-C3	12	28	8	C3	Steel	12624032
6001-C-HRS	12	28	8	CN (normal)	Steel	12624031
6201-C-Z-C3	12	32	10	C3	Steel	12624213
6201-C-Z-TVH	12	32	10	CN (normal)	Plastic	12624214
6201-C-Z	12	32	10	CN (normal)	Steel	12624212
6201-C-HRS	12	32	10	CN (normal)	Steel	12624209
6301-Z	12	37	12	CN (normal)	Steel	12624361

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Manufacturer ID	Inner diameter	Outer diameter	Width	Internal clearance	Cage	Article
	mm	mm	mm			Max. 200 articles in the table
6301-RSR	12	37	12	CN (normal)	Steel	12624360
6002-C-Z-C3	15	32	9	C3	Steel	12624039
6002-C-Z	15	32	9	CN (normal)	Steel	12624038
6002-C-HRS-C3	15	32	9	C3	Steel	12624037
6002-C-HRS	15	32	9	CN (normal)	Steel	12624036
6202-C-Z-C3	15	35	11	C3	Steel	12624219
6202-C-Z-TVH	15	35	11	CN (normal)	Plastic	12624220
6202-C-Z	15	35	11	CN (normal)	Steel	12624218
6202-C-HRS-C3	15	35	11	C3	Steel	12624216
6202-C-HRS	15	35	11	CN (normal)	Steel	11832762
6302-Z	15	42	13	CN (normal)	Steel	11832980
6302-RSR	15	42	13	CN (normal)	Steel	12624363
6003-Z-C3	17	35	10	C3	Steel	11832371
6003-Z	17	35	10	CN (normal)	Steel	12624042
6003-RSR	17	35	10	CN (normal)	Steel	12624040
6203-C-Z-C3	17	40	12	C3	Steel	11832775
6203-C-Z	17	40	12	CN (normal)	Steel	11832774
6203-C-HRS-C3	17	40	12	C3	Steel	12624222
6203-C-HRS	17	40	12	CN (normal)	Steel	12624221
6303-RSR-C3	17	47	14	C3	Steel	12624366
6303-RSR	17	47	14	CN (normal)	Steel	12624365
6004-C-Z-C3	20	42	12	C3	Steel	12624047
6004-C-Z	20	42	12	CN (normal)	Steel	12624046
6004-C-HRS-C3	20	42	12	C3	Steel	12624045
6004-C-HRS	20	42	12	CN (normal)	Steel	12624044
6204-C-Z-C3	20	47	14	C3	Steel	12624233
6204-C-Z	20	47	14	CN (normal)	Steel	12624232
6204-C-HRS-C3	20	47	14	C3	Steel	12624229
6204-C-HRS	20	47	14	CN (normal)	Steel	12624228
6304-Z	20	52	15	CN (normal)	Steel	12624373
6304-RSR-C3	20	52	15	C3	Steel	12624370
6005-Z-C3	25	47	12	C3	Steel	12624050
6005-Z	25	47	12	CN (normal)	Steel	11832390
6005-RSR	25	47	12	CN (normal)	Steel	11832389
6205-C-Z-C3	25	52	15	C3	Steel	12624240
6205-C-Z	25	52	15	CN (normal)	Steel	12624239
6205-C-HRS-C3	25	52	15	C3	Steel	12624238
6006-Z	30	55	13	CN (normal)	Steel	11832398
6006-RSR-C3	30	55	13	C3	Steel	12624053
6006-RSR	30	55	13	CN (normal)	Steel	12624052
6206-RSR-C3	30	62	16	C3	Steel	11832823
6206-RSR	30	62	16	CN (normal)	Steel	11832822
6306-C-Z	30	72	19	CN (normal)	Steel	13243432
6306-RSR-C3	30	72	19	C3	Steel	12624383
6306-RSR	30	72	19	CN (normal)	Steel	12624382
6007-Z-C3	35	62	14	C3	Steel	12624059
6007-Z	35	62	14	CN (normal)	Steel	11832406
6007-RSR-C3	35	62	14	C3	Steel	12624057
6007-RSR	35	62	14	CN (normal)	Steel	11832405
6207-C-Z-C3	35	72	17	C3	Steel	13243406
6207-C-Z	35	72	17	CN (normal)	Steel	13243405
6207-RSR-C3	35	72	17	C3	Steel	12624251
6207-C-HRS-C3	35	72	17	C3	Steel	13243404

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Manufacturer ID	Inner diameter	Outer diameter	Width	Internal clearance	Cage	Article
	mm	mm	mm			Max. 200 articles in the table
6207-C-HRS	35	72	17	CN (normal)	Steel	13243403
6207-RSR	35	72	17	CN (normal)	Steel	11832835
6307-Z-C3	35	80	21	C3	Steel	12624391
6307-Z	35	80	21	CN (normal)	Steel	11833022
6307-C-HRS-C3	35	80	21	C3	Steel	13243436
6307-C-HRS	35	80	21	CN (normal)	Steel	13243435
6008-Z-C3	40	68	15	C3	Steel	12624061
6008-Z	40	68	15	CN (normal)	Steel	11832417
6008-RSR-C3	40	68	15	C3	Steel	11832416
6008-RSR	40	68	15	CN (normal)	Steel	11832415
6208-C-Z-C3	40	80	18	C3	Steel	13243410
6208-C-Z	40	80	18	CN (normal)	Steel	13243409
6208-C-HRS-C3	40	80	18	C3	Steel	13243408
6208-RSR-C3	40	80	18	C3	Steel	12624255
6208-C-HRS	40	80	18	CN (normal)	Steel	13243407
6208-RSR	40	80	18	CN (normal)	Steel	11832846
6308-C-Z-C3	40	90	23	C3	Steel	13243440
6308-C-Z	40	90	23	CN (normal)	Steel	13243439
6308-C-HRS-C3	40	90	23	C3	Steel	13243438
6308-C-HRS	40	90	23	CN (normal)	Steel	13243437
6009-Z-C3	45	75	16	C3	Steel	12624065
6009-Z	45	75	16	CN (normal)	Steel	11832422
6009-RSR-C3	45	75	16	C3	Steel	12624064
6009-RSR	45	75	16	CN (normal)	Steel	12624063
6209-C-Z-C3	45	85	19	C3	Steel	13243414
6209-C-Z	45	85	19	CN (normal)	Steel	13243413
6209-RSR-C3	45	85	19	C3	Steel	12624257
6209-C-HRS-C3	45	85	19	C3	Steel	13243412
6209-C-HRS	45	85	19	CN (normal)	Steel	13243411
6209-RSR	45	85	19	CN (normal)	Steel	11832852
6309-Z-C3	45	100	25	C3	Steel	12624401
6309-Z	45	100	25	CN (normal)	Steel	11833035
6309-RSR-C3	45	100	25	C3	Steel	12624400
6309-C-HRS	45	100	25	CN (normal)	Steel	13250770
6309-RSR	45	100	25	CN (normal)	Steel	12624399
6010-Z	50	80	16	CN (normal)	Steel	11832428
6010-RSR	50	80	16	CN (normal)	Steel	12624067
6210-C-Z-C3	50	90	20	C3	Steel	13243418
6210-C-Z	50	90	20	CN (normal)	Steel	13243417
6210-C-HRS-C3	50	90	20	C3	Steel	13243416
6210-RSR-C3	50	90	20	C3	Steel	12624261
6210-C-HRS	50	90	20	CN (normal)	Steel	13243415
6210-RSR	50	90	20	CN (normal)	Steel	11832862
6310-C-Z-C3	50	110	27	C3	Steel	13243446
6310-C-Z	50	110	27	CN (normal)	Steel	13243445
6310-C-HRS-C3	50	110	27	C3	Steel	13243442
6310-C-HRS	50	110	27	CN (normal)	Steel	13243441
6011-Z-C3	55	90	18	C3	Steel	12624073
6011-Z	55	90	18	CN (normal)	Steel	12624072
6011-RSR	55	90	18	CN (normal)	Steel	12624070
6211-C-Z-C3	55	100	21	C3	Steel	13243422
6211-Z-C3	55	100	21	C3	Steel	12624270
6211-Z	55	100	21	CN (normal)	Steel	12624269

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6211-C-Z	55	100	21	CN (normal)	Steel	13243421
6211-C-HRS	55	100	21	CN (normal)	Steel	13243419
6211-RSR	55	100	21	CN (normal)	Steel	12624266
6311-C-Z-C3	55	120	29	C3	Steel	13243452
6311-C-Z	55	120	29	CN (normal)	Steel	13243451
6311-C-HRS-C3	55	120	29	C3	Steel	13243448
6311-C-HRS	55	120	29	CN (normal)	Steel	13243447
6012-Z	60	95	18	CN (normal)	Steel	12624077
6012-RSR	60	95	18	CN (normal)	Steel	12624075
6212-Z-C3	60	110	22	C3	Steel	12624274
6212-Z	60	110	22	CN (normal)	Steel	11832874
6212-RSR-C3	60	110	22	C3	Steel	11832873
6212-RSR	60	110	22	CN (normal)	Steel	11832872
6312-C-Z-C3	60	130	31	C3	Steel	13243459
6312-C-Z	60	130	31	CN (normal)	Steel	13243458
6312-C-HRS-C3	60	130	31	C3	Steel	13243455
6312-C-HRS	60	130	31	CN (normal)	Steel	13243454
6013-Z-C3	65	100	18	C3	Steel	12624083
6013-Z	65	100	18	CN (normal)	Steel	12624082
6013-RSR	65	100	18	CN (normal)	Steel	12624080
6213-Z-C3	65	120	23	C3	Steel	12624280
6213-Z	65	120	23	CN (normal)	Steel	11832881
6213-RSR-C3	65	120	23	C3	Steel	12624277
6213-RSR	65	120	23	CN (normal)	Steel	11832880
6313-C-Z-C3	65	140	33	C3	Steel	13243471
6313-C-Z	65	140	33	CN (normal)	Steel	13243470
6313-C-HRS-C3	65	140	33	C3	Steel	13243467
6313-C-HRS	65	140	33	CN (normal)	Steel	13243466
6014-Z-C3	70	110	20	C3	Steel	12624088
6014-Z	70	110	20	CN (normal)	Steel	12624087
6014-RSR	70	110	20	CN (normal)	Steel	12624085
6214-Z-C3	70	125	24	C3	Steel	12624285
6214-Z	70	125	24	CN (normal)	Steel	12624284
6214-RSR	70	125	24	CN (normal)	Steel	12624282
6314-Z-C3	70	150	35	C3	Steel	12624428
6314-Z	70	150	35	CN (normal)	Steel	12624427
6314-RSR-C3	70	150	35	C3	Steel	12624426
6314-RSR	70	150	35	CN (normal)	Steel	11833063
6015-Z	75	115	20	CN (normal)	Steel	12624092
6015-RSR	75	115	20	CN (normal)	Steel	12624091
6215-Z-C3	75	130	25	C3	Steel	12624288
6215-Z	75	130	25	CN (normal)	Steel	12624287
6215-RSR	75	130	25	CN (normal)	Steel	12624286
6315-Z-C3	75	160	37	C3	Steel	12624431
6315-Z	75	160	37	CN (normal)	Steel	12624430
6315-RSR	75	160	37	CN (normal)	Steel	12624429
6016-Z-C3	80	125	22	C3	Steel	12624094
6016-Z	80	125	22	CN (normal)	Steel	12624093
6216-Z-C3	80	140	26	C3	Steel	12624291
6216-Z	80	140	26	CN (normal)	Steel	12624290
6216-RSR	80	140	26	CN (normal)	Steel	11832894
6316-Z-C3	80	170	39	C3	Steel	12624436
6316-Z	80	170	39	CN (normal)	Steel	12624435

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	mm	mm	mm			Max. 200 articles in the table
6316-RSR-C3	80	170	39	C3	Steel	12624434
6017-Z-C3	85	130	22	C3	Steel	12624097
6017-Z	85	130	22	CN (normal)	Steel	12624096
6217-Z-C3	85	150	28	C3	Steel	12624294
6217-Z	85	150	28	CN (normal)	Steel	12624293
6317-Z-C3	85	180	41	C3	Steel	12624438
6317-Z	85	180	41	CN (normal)	Steel	12624437
6018-Z-C3	90	140	24	C3	Steel	12624099
6018-Z	90	140	24	CN (normal)	Steel	12624098
6218-Z-C3	90	160	30	C3	Steel	12624295
6218-Z	90	160	30	CN (normal)	Steel	11832902
6318-Z-C3	90	190	43	C3	Steel	12624442
6318-Z	90	190	43	CN (normal)	Steel	12624441
6019-Z	95	145	24	CN (normal)	Steel	12624102
6219-Z	95	170	32	CN (normal)	Steel	12624297
6020-Z-C3	100	150	24	C3	Steel	12624104
6020-Z	100	150	24	CN (normal)	Steel	12624103
6220-Z-C3	100	180	34	C3	Steel	12624306
6220-Z	100	180	34	CN (normal)	Steel	11832917
6320-Z	100	215	47	CN (normal)	Steel	12624445
6022-Z	110	170	28	CN (normal)	Steel	12624108
6222-Z	110	200	38	CN (normal)	Steel	12624308
6024-Z-C3	120	180	28	C3	Steel	12624110
6024-Z	120	180	28	CN (normal)	Steel	11832478
6028-Z	140	210	33	CN (normal)	Steel	11832486

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