



SKF 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 RSL, RZ:

These 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 RSH, RS1:

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: 6300

Execution: Single row

Material: Steel

Sealing: Closure on one side

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
6000-RSH	10	26	8	CN (normal)	Steel	6000RS-SKF
6200-ZTN9/LHT23	10	30	9	CN (normal)	Plastic	6200ZTN9LHT23-SKF
6001-Z	12	28	8	CN (normal)	Steel	6001Z-SKF
6201-ZTN9	12	32	10	CN (normal)	Plastic	6201ZTN9-SKF
6201-Z	12	32	10	CN (normal)	Steel	6201Z-SKF
6002-Z/C3	15	32	9	C3	Steel	6002ZC3-SKF
6002-Z	15	32	9	CN (normal)	Steel	6002Z-SKF
6002-RSH	15	32	9	CN (normal)	Steel	6002RS-SKF
6202-Z	15	35	11	CN (normal)	Steel	6202Z-SKF
6202-RSH	15	35	11	CN (normal)	Steel	6202RS-SKF
6302-Z	15	42	13	CN (normal)	Steel	6302Z-SKF
6302-RSH	15	42	13	CN (normal)	Steel	6302RS-SKF
6003-Z	17	35	10	CN (normal)	Steel	6003Z-SKF
6203-Z	17	40	12	CN (normal)	Steel	6203Z-SKF
6203-RSH	17	40	12	CN (normal)	Steel	6203RS-SKF
6004-RSH	20	42	12	CN (normal)	Steel	6004RS-SKF
6204-Z	20	47	14	CN (normal)	Steel	6204Z-SKF
6304-Z/C3	20	52	15	C3	Steel	6304ZC3-SKF

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
6205-Z	25	52	15	CN (normal)	Steel	6205Z-SKF
6205-RSH/C3	25	52	15	C3	Steel	6205RSC3-SKF
6205-RSH	25	52	15	CN (normal)	Steel	6205RS-SKF
6305-Z/C3	25	62	17	C3	Steel	6305ZC3-SKF
6305-Z	25	62	17	CN (normal)	Steel	6305Z-SKF
6206-Z/C3	30	62	16	C3	Steel	6206ZC3-SKF
6206-Z	30	62	16	CN (normal)	Steel	6206Z-SKF
6206-RS1/C3	30	62	16	C3	Steel	6206RSC3-SKF
6206-RS1	30	62	16	CN (normal)	Steel	6206RS-SKF
6306-Z/C3	30	72	19	C3	Steel	6306ZC3-SKF
6207-Z/C3	35	72	17	C3	Steel	6207ZC3-SKF
6207-Z	35	72	17	CN (normal)	Steel	6207Z-SKF
6307-Z	35	80	21	CN (normal)	Steel	6307Z-SKF
6208-Z/C3	40	80	18	C3	Steel	6208ZC3-SKF
6208-Z	40	80	18	CN (normal)	Steel	6208Z-SKF
6208-RS1	40	80	18	CN (normal)	Steel	6208RS-SKF
6308-Z/C3	40	90	23	C3	Steel	6308ZC3-SKF
6308-Z	40	90	23	CN (normal)	Steel	6308Z-SKF
6209-Z/C3	45	85	19	C3	Steel	6209ZC3-SKF
6209-Z	45	85	19	CN (normal)	Steel	6209Z-SKF
6209-RS1	45	85	19	CN (normal)	Steel	6209RS-SKF
6309-Z/C3	45	100	25	C3	Steel	6309ZC3-SKF
6309-Z	45	100	25	CN (normal)	Steel	6309Z-SKF
6010-Z	50	80	16	CN (normal)	Steel	6010Z-SKF
6210-Z/C3	50	90	20	C3	Steel	6210ZC3-SKF
6210-RS1	50	90	20	CN (normal)	Steel	6210RS-SKF
6310-Z/C3	50	110	27	C3	Steel	6310ZC3-SKF
6310-Z	50	110	27	CN (normal)	Steel	6310Z-SKF
6311-RS1	55	120	29	CN (normal)	Steel	6311RS-SKF
6212-Z/C3	60	110	22	C3	Steel	6212ZC3-SKF
6212-Z/C4	60	110	22	C4	Steel	6212ZC4-SKF
6212-RS1	60	110	22	CN (normal)	Steel	6212RS-SKF
6213-Z/C3	65	120	23	C3	Steel	6213ZC3-SKF
6313-Z	65	140	33	CN (normal)	Steel	6313Z-SKF
6015-Z	75	115	20	CN (normal)	Steel	6015Z-SKF
6218-Z/C3	90	160	30	C3	Steel	6218ZC3-SKF
6219-Z	90	160	30	CN (normal)	Steel	6219Z-SKF
6019-Z	95	145	24	CN (normal)	Steel	6019Z-SKF
6024-Z	120	180	28	CN (normal)	Steel	6024Z-SKF

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