



SKF Miniature ball bearing closure on both sides

Miniature ball bearings are single-row deep groove ball bearings with a bore diameter of up to 10 mm. 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 can tolerate both radial loads and axial loads in both directions, even at high speeds. Precision miniature ball bearings are particularly suitable for small electric motors and gearboxes, office machinery, medical equipment, mechatronic applications etc. Both open (unsealed) and sealed versions of the miniature ball bearings are available. Bearings sealed on both sides have lifetime lubrication and therefore need not be regreased during use. They have been filled with the exact quantity of high-quality lubricant under controlled conditions.

Bearing with cover plates 2Z:

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 2RSL, 2RZ:

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 2RSH, 2RS1:

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: 619

Type: 624

Execution: Single row

Material: Steel

Sealing: Closure on both sides

With flange: No

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
623-2Z	3	10	4	CN (normal)	Steel	623ZZ-SKF
623-2RS1	3	10	4	CN (normal)	Steel	6232RS-SKF
638/4-2Z	4	9	4	CN (normal)	Steel	638/4ZZ-SKF
619/4-2Z	4	11	4	CN (normal)	Steel	619/4ZZ-SKF
604-2Z	4	12	4	CN (normal)	Steel	604ZZ-SKF
624-2Z	4	13	5	CN (normal)	Steel	624ZZ-SKF
624-2RS1	4	13	5	CN (normal)	Steel	6242RS-SKF
634-2Z	4	16	5	CN (normal)	Steel	634ZZ-SKF
619/5-2Z	5	13	4	CN (normal)	Steel	619/5ZZ-SKF
625-2Z	5	16	5	CN (normal)	Steel	625ZZ-SKF
625-2RS1	5	16	5	CN (normal)	Steel	6252RS-SKF
635-2Z	5	19	6	CN (normal)	Steel	635ZZ-SKF

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
628/6-2Z	6	13	5	CN (normal)	Steel	628/6ZZ-SKF
619/6-2Z	6	15	5	CN (normal)	Steel	619/6ZZ-SKF
626-2Z/C3	6	19	6	C3	Steel	626ZZC3-SKF
626-2Z	6	19	6	CN (normal)	Steel	626ZZ-SKF
626-2RSH/C3	6	19	6	C3	Steel	6262RSC3-SKF
626-2RSL	6	19	6	CN (normal)	Steel	6262RZ-SKF
626-2RSH	6	19	6	CN (normal)	Steel	6262RS-SKF
628/7-2Z	7	14	5	CN (normal)	Steel	628/7ZZ-SKF
607-2Z	7	19	6	CN (normal)	Steel	607ZZ-SKF
607-2RSH/C3	7	19	6	C3	Steel	6072RSC3-SKF
607-2RSL	7	19	6	CN (normal)	Steel	6072RZ-SKF
607-2RSH	7	19	6	CN (normal)	Steel	6072RS-SKF
627-2Z	7	22	7	CN (normal)	Steel	627ZZ-SKF
627-2RSH/C3	7	22	7	C3	Steel	6272RSC3-SKF
627-2RSH	7	22	7	CN (normal)	Steel	6272RS-SKF
628/8-2Z	8	16	5	CN (normal)	Steel	628/8ZZ-SKF
628/8-2RS1	8	16	5	CN (normal)	Steel	628/82RS-SKF
638/8-2Z	8	16	6	CN (normal)	Steel	638/8ZZ-SKF
619/8-2Z	8	19	6	CN (normal)	Steel	619/8ZZ-SKF
619/8-2RS1	8	19	6	CN (normal)	Steel	619/82RS-SKF
608-2Z/C3GJN	8	22	7	C3	Steel	608ZZC3GJN-SKF
608-2Z/C3	8	22	7	C3	Steel	608ZZC3-SKF
608-2Z	8	22	7	CN (normal)	Steel	608ZZ-SKF
608-2RSH/C3GJN	8	22	7	C3	Steel	6082RSC3GJN-SKF
608-2RSH/C3	8	22	7	C3	Steel	6082RSC3-SKF
608-2RSH	8	22	7	CN (normal)	Steel	6082RS-SKF
630/8-2RS1	8	22	11	CN (normal)	Steel	630/82RS-SKF
609-2Z/C3	9	24	7	C3	Steel	609ZZC3-SKF
609-2Z	9	24	7	CN (normal)	Steel	609ZZ-SKF
609-2RSH/C3	9	24	7	C3	Steel	6092RSC3-SKF
609-2RSH	9	24	7	CN (normal)	Steel	6092RS-SKF
629-2Z/C3	9	26	8	C3	Steel	629ZZC3-SKF
629-2Z	9	26	8	CN (normal)	Steel	629ZZ-SKF
629-2RSH/C3	9	26	8	C3	Steel	6292RSC3-SKF
629-2RSH	9	26	8	CN (normal)	Steel	6292RS-SKF
R 8-2Z	12.7	28.575	7.937	CN (normal)	Steel	KLNJ1/2ZZ-SKF

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