



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: 629

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
638/15-2Z	1.5	4	2	CN (normal)	Steel	13198668
619/3-2Z	3	8	3	CN (normal)	Steel	23758069
639/3-2Z	3	8	4	CN (normal)	Steel	23759204
623-2Z/C3	3	10	4	C3	Steel	23758688
623-2Z	3	10	4	CN (normal)	Steel	23758687
623-2RS1	3	10	4	CN (normal)	Steel	23758686
628/4-2Z	4	9	3.5	CN (normal)	Steel	23758754
638/4-2Z	4	9	4	CN (normal)	Steel	23759196
619/4-2Z	4	11	4	CN (normal)	Steel	23758070
604-2Z	4	12	4	CN (normal)	Steel	23757883
624-2Z/C3	4	13	5	C3	Steel	23758721
624-2Z	4	13	5	CN (normal)	Steel	23758720

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
624-2RS1	4	13	5	CN (normal)	Steel	23758719
634-2Z	4	16	5	CN (normal)	Steel	23759190
628/5-2Z	5	11	4	CN (normal)	Steel	23758755
638/5-2Z	5	11	5	CN (normal)	Steel	23759197
619/5-2Z	5	13	4	CN (normal)	Steel	23758071
625-2Z/C3	5	16	5	C3	Steel	23758730
E2.625-2Z/C3	5	16	5	C3	Steel	23764571
625-2Z	5	16	5	CN (normal)	Steel	23758729
625-2RS1	5	16	5	CN (normal)	Steel	23758727
625-2RZ	5	16	5	CN (normal)	Steel	23758728
635-2Z/C3GJN	5	19	6	C3	Steel	24002663
635-2Z	5	19	6	CN (normal)	Steel	23759193
628/6-2Z	6	13	5	CN (normal)	Steel	23758757
628/6-2RS1	6	13	5	CN (normal)	Steel	23758756
619/6-2Z	6	15	5	CN (normal)	Steel	23758073
626-2Z/C2LHT23	6	19	6	C2	Steel	24002569
626-2Z/C3GJN	6	19	6	C3	Steel	23758739
E2.626-2Z/C3	6	19	6	C3	Steel	23764572
626-2Z/C3	6	19	6	C3	Steel	23758738
626-2Z/LHT23	6	19	6	CN (normal)	Steel	23758740
626-2Z/LT	6	19	6	CN (normal)	Steel	24002570
626-2Z	6	19	6	CN (normal)	Steel	23758737
626-2RSH/C3	6	19	6	C3	Steel	23758734
626-2RSL	6	19	6	CN (normal)	Steel	23758735
626-2RSH	6	19	6	CN (normal)	Steel	23758733
628/7-2Z	7	14	5	CN (normal)	Steel	23758758
619/7-2Z	7	17	5	CN (normal)	Steel	23758075
607-2Z/C3LHT23	7	19	6	C3	Steel	23757906
E2.607-2Z/C3	7	19	6	C3	Steel	23764562
607-2Z/C3	7	19	6	C3	Steel	23757905
607-2Z/LHT23	7	19	6	CN (normal)	Steel	24002348
607-2Z	7	19	6	CN (normal)	Steel	23757904
607-2RSH/C3	7	19	6	C3	Steel	23757901
607-2RSL	7	19	6	CN (normal)	Steel	23757902
607-2RSH	7	19	6	CN (normal)	Steel	23757900
627-2Z/C3GJN	7	22	7	C3	Steel	24002572
E2.627-2Z/C3	7	22	7	C3	Steel	23764573
627-2Z/C3	7	22	7	C3	Steel	23758751
627-2Z	7	22	7	CN (normal)	Steel	23758750
627-2RSLTN9/C3LHT23	7	22	7	C3	Plastic	23758748
627-2RSH/C3	7	22	7	C3	Steel	23758746
627-2RSH	7	22	7	CN (normal)	Steel	23758745
627-2RSL	7	22	7	CN (normal)	Steel	23758747
627 2RSJ EM	7	22	7	CN (normal)	Steel	12121399
628/8-2Z	8	16	5	CN (normal)	Steel	23758760
628/8-2RS1	8	16	5	CN (normal)	Steel	23758759
638/8-2Z	8	16	6	CN (normal)	Steel	23759198
619/8-2Z	8	19	6	CN (normal)	Steel	23758077
619/8-2RS1	8	19	6	CN (normal)	Steel	23758076
608-2Z/C2ELHT23	8	22	7	C2	Steel	23757920
608-2Z/C3GJN	8	22	7	C3	Steel	23757922
608-2Z/C3LHT23	8	22	7	C3	Steel	24002356
608-2Z/C3LHT30	8	22	7	C3	Steel	23757923

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
608-2Z/C3LT	8	22	7	C3	Steel	23224149
E2.608-2Z/C3	8	22	7	C3	Steel	23764563
608-2Z/C3	8	22	7	C3	Steel	23757921
608-2Z/C3WT	8	22	7	C3	Steel	24002357
608-2Z/C4HLHT23	8	22	7	C4	Steel	12705410
608-2Z/C4	8	22	7	C4	Steel	24002358
608-2ZTN9/LT	8	22	7	CN (normal)	Plastic	24002360
608-2Z/GJN	8	22	7	CN (normal)	Steel	23757924
608-2Z/LHT23	8	22	7	CN (normal)	Steel	23757925
608-2Z/ CNHLT20VT200	8	22	7	CN (normal)	Steel	24203006
608-2Z/WT	8	22	7	CN (normal)	Steel	24002359
608-2RSH/C3GJN	8	22	7	C3	Steel	24002351
608-2RSL/C3LHT23	8	22	7	C3	Steel	24002355
608-2RSH/C3LHT23	8	22	7	C3	Steel	24002352
608-2RSL/C3	8	22	7	C3	Steel	23757917
608-2RSH/C3	8	22	7	C3	Steel	23757913
608-2RSH/GJN	8	22	7	CN (normal)	Steel	24002353
608-2RSH	8	22	7	CN (normal)	Steel	23757912
608-2RSL	8	22	7	CN (normal)	Steel	23757916
608-2RSH/W64	8	22	7	CN (normal)	Steel	24002354
608-ZRZ/VK251	8	22	7	CN (normal)	Steel	24002361
630/8-2RS1	8	22	11	CN (normal)	Steel	23758774
628-2Z	8	24	8	CN (normal)	Steel	12346472
628/9-2Z	9	17	5	CN (normal)	Steel	23758762
628/9-2RS1	9	17	5	CN (normal)	Steel	23758761
619/9-2Z	9	20	6	CN (normal)	Steel	23224267
609-2ZTN9/C3HWTF4	9	24	7	C3	Plastic	24002366
609-2Z/C3GJN	9	24	7	C3	Steel	24002363
609-2Z/C3LHT23	9	24	7	C3	Steel	24002364
609-2Z/C3	9	24	7	C3	Steel	23757938
E2.609-2Z/C3	9	24	7	C3	Steel	23764564
609-2Z/LHT23	9	24	7	CN (normal)	Steel	24002365
609-2Z	9	24	7	CN (normal)	Steel	23757937
609-2RSL/C3	9	24	7	C3	Steel	23757936
609-2RSH/C3	9	24	7	C3	Steel	23757935
609-2RSH	9	24	7	CN (normal)	Steel	23757934
629-2ZTN9/C3LT	9	26	8	C3	Plastic	24002575
629-2Z/C3GJN	9	26	8	C3	Steel	23758768
E2.629-2Z/C3	9	26	8	C3	Steel	23764574
629-2Z/C3	9	26	8	C3	Steel	23758767
629-2Z/LHT23	9	26	8	CN (normal)	Steel	23758769
629-2Z	9	26	8	CN (normal)	Steel	23758766
629-2RSH/C3GJN	9	26	8	C3	Steel	24002573
629-2RSH/C3	9	26	8	C3	Steel	23758765
629-2RSH	9	26	8	CN (normal)	Steel	23758764
629-2RSL	9	26	8	CN (normal)	Steel	24002574
R 8-2Z	12.7	28.575	7.937	CN (normal)	Steel	23769291
R 8-2RS1/GJN	12.7	28.575	7.938	CN (normal)	Steel	23769290

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