



FAG 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 2BRS:

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 2RSR, 2HRS:

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: 62

Type: 626

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
682-2Z-HLC	2	5	2.3	CN (normal)	Steel	14180863
MR52-2Z-HLC	2	5	2.5	CN (normal)	Steel	14191554
692-2Z-HLC	2	6	3	CN (normal)	Steel	14176913
683-2Z-HLC	3	7	3	CN (normal)	Steel	14180801
MR83-2Z-HLC	3	8	3	CN (normal)	Steel	14191558
693-2Z-HLC	3	8	4	CN (normal)	Steel	14180813
623-2Z	3	10	4	CN (normal)	Steel	13018075
MR74-2Z-HLC	4	7	2.5	CN (normal)	Steel	14191556
MR84-2Z-HLC	4	8	3	CN (normal)	Steel	14191561
684-2Z-HLC	4	9	4	CN (normal)	Steel	14180803
MR104-2Z-HLC	4	10	4	CN (normal)	Steel	14191542
694-2Z-HLC-C3	4	11	4	C3	Steel	14180816
694-2Z-HLC	4	11	4	CN (normal)	Steel	14180815

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
694-2RSR-HLC	4	11	4	CN (normal)	Steel	14180852
624-2Z-C3	4	13	5	C3	Steel	12624328
624-2Z	4	13	5	CN (normal)	Steel	13018076
634-2Z	4	16	5	CN (normal)	Steel	13018080
R3-2RSR-HLC	4.762	12.7	3.97	CN (normal)	Steel	14191576
R3-2Z-HLC	4.762	12.7	4.98	CN (normal)	Steel	14191577
MR85-2Z-HLC	5	8	2.5	CN (normal)	Steel	14191562
MR95-2Z-HLC	5	9	3	CN (normal)	Steel	14191563
MR105-2Z-HLC	5	10	4	CN (normal)	Steel	14191544
MR115-2Z-HLC	5	11	4	CN (normal)	Steel	14191547
685-2Z-HLC	5	11	5	CN (normal)	Steel	14180804
685-2RSR-HLC	5	11	5	CN (normal)	Steel	14180739
695-2RSR-HLC	5	13	4	CN (normal)	Steel	14180853
625-2Z-C3	5	16	5	C3	Steel	12624334
625-2Z	5	16	5	CN (normal)	Steel	13018077
625-2RS	5	16	5	CN (normal)	Steel	11832946
635-2Z	5	19	6	CN (normal)	Steel	13018081
MR63-2Z-HLC	6	3	2.5	CN (normal)	Steel	14191555
MR106-2Z-HLC	6	10	3	CN (normal)	Steel	14191546
MR126-2Z-HLC	6	12	4	CN (normal)	Steel	14191549
686-2Z-HLC	6	13	5	CN (normal)	Steel	14180806
686-2RSR-HLC	6	13	5	CN (normal)	Steel	14180741
696-2Z-HLC	6	15	5	CN (normal)	Steel	14180817
696-2RSR-HLC	6	15	5	CN (normal)	Steel	14180747
606-2RSR-HLC	6	17	6	CN (normal)	Steel	11832499
626-2Z-C3	6	19	6	C3	Steel	12624338
626-2Z	6	19	6	CN (normal)	Steel	13018078
626-2RS	6	19	6	CN (normal)	Steel	11667418
R4-2RSR-HLC	6.35	15.88	4.98	CN (normal)	Steel	14191579
R4-2Z-HLC	6.35	15.88	5	CN (normal)	Steel	14191580
R4A-2Z-HLC	6.35	19.05	7.144	CN (normal)	Steel	14191581
MR117-2Z-HLC	7	11	3	CN (normal)	Steel	14191548
MR137-2Z-HLC	7	13	4	CN (normal)	Steel	14191552
687-2Z-HLC	7	14	5	CN (normal)	Steel	14180807
687-2RSR-HLC	7	14	5	CN (normal)	Steel	14181759
697-2Z-HLC	7	17	5	CN (normal)	Steel	14180837
697-2RSR-HLC	7	17	5	CN (normal)	Steel	14180819
607-2Z-C3	7	19	6	C3	Steel	12624132
607-2Z-HLC-C3	7	19	6	C3	Steel	12624134
607-2Z	7	19	6	CN (normal)	Steel	13228129
607-2Z-HLC	7	19	6	CN (normal)	Steel	12624133
607-2RSR-HLC-C3	7	19	6	C3	Steel	12624131
607-2RS-C3	7	19	6	C3	Steel	12624129
607-2RS	7	19	6	CN (normal)	Steel	13018073
627-2Z-C3	7	22	7	C3	Steel	12624342
627-2Z	7	22	7	CN (normal)	Steel	12624341
627-2RS	7	22	7	CN (normal)	Steel	13018079
MR128-2Z-HLC	8	12	3.5	CN (normal)	Steel	14191551
MR148-2Z-HLC	8	14	4	CN (normal)	Steel	14191553
MF148-2Z-HLC	8	15.6	4	CN (normal)	Steel	14191537
688-2Z-HLC	8	16	5	CN (normal)	Steel	14180809
688-2RS-L082-HLC	8	16	5	CN (normal)	Steel	14180869
688-2RSR-HLN	8	16	5	CN (normal)	Steel	14183157

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
698-2Z-HLC-C3	8	19	6	C3	Steel	14180839
698-2Z-HLC	8	19	6	CN (normal)	Steel	14180838
698-2RSR-HLC	8	19	6	CN (normal)	Steel	14180749
608-2Z-C3	8	22	7	C3	Steel	12624138
608-2Z	8	22	7	CN (normal)	Steel	13017679
608-2RS	8	22	7	CN (normal)	Steel	23226210
628-2RSR-HLC	8	24	8	CN (normal)	Steel	13309030
689-2Z-HLC	9	17	5	CN (normal)	Steel	14180811
689-2RSR-HLC	9	17	5	CN (normal)	Steel	14182932
699-2Z-HLC	9	20	6	CN (normal)	Steel	14180822
699-2RSR-HLC	9	20	6	CN (normal)	Steel	14181760
609-2Z-HLC-C3	9	24	7	C3	Steel	12624143
609-2Z-HLC	9	24	7	CN (normal)	Steel	13018074
609-2RS-HLC-C3	9	24	7	C3	Steel	12624141
609-2RS-HLC	9	24	7	CN (normal)	Steel	11832517
629-C-2Z-C3	9	26	8	C3	Steel	12624347
629-C-2Z	9	26	8	CN (normal)	Steel	12624346
R6-2Z-HLC	9.525	22.225	0.3	CN (normal)	Steel	14191583
R6-2RSR-HLC	9.525	22.225	7.144	CN (normal)	Steel	14191582

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