EZO 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 2RU, LLB:

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 2RS, LLU:

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: 696
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
681 X 2Z	1.5	4	2	CN (normal)	Steel	12478324
691 X 2Z	1.5	5	2.6	CN (normal)	Steel	12478340
672 2Z	2	4	2	CN (normal)	Steel	12478321
682 2Z	2	5	2.3	CN (normal)	Steel	11833131
MR 52 2Z	2	5	2.5	CN (normal)	Steel	11834790
MR 62 2Z	2	6	2.5	CN (normal)	Steel	12478521
692 2Z	2	6	3	CN (normal)	Steel	11833165
MR 72 2Z	2	7	3	CN (normal)	Steel	12478526
602 2Z	2	7	3.5	CN (normal)	Steel	11832464
682 X 2Z	2.5	6	2.6	CN (normal)	Steel	12478326
692 X 2Z	2.5	7	3.5	CN (normal)	Steel	12478342
602 X 2Z	2.5	8	4	CN (normal)	Steel	12478288

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
MR 63 2Z	3	6	2.5	CN (normal)	Steel	11834791
683 2Z	3	7	3	CN (normal)	Steel	11833134
MR 83 2Z	3	8	3	CN (normal)	Steel	11834794
693 2Z	3	8	4	CN (normal)	Steel	11833167
MR 93 2Z	3	9	4	CN (normal)	Steel	12478536
603 2Z	3	9	5	CN (normal)	Steel	12478290
623 2Z	3	10	4	CN (normal)	Steel	11832928
623 2RS	3	10	4	CN (normal)	Steel	12478300
633 2Z	3	13	5	CN (normal)	Steel	12478315
MR 74 2Z	4	7	2.5	CN (normal)	Steel	11834792
MR 84 2Z	4	8	3	CN (normal)	Steel	11834795
684 2Z	4	9	4	CN (normal)	Steel	11833137
684 2RS	4	9	4	CN (normal)	Steel	24209656
MR 104 2Z	4	10	4	CN (normal)	Steel	11834779
694 2Z	4	11	4	CN (normal)	Steel	11833169
694 2RS	4	11	4	CN (normal)	Steel	12478346
604 2Z	4	12	4	CN (normal)	Steel	11832494
624 2Z	4	13	5	CN (normal)	Steel	11832941
624 2RS	4	13	5	CN (normal)	Steel	13550075
634 2Z	4	16	5	CN (normal)	Steel	11667472
634 2RS	4	16	5	CN (normal)	Steel	11833094
MR 85 2Z	5	8	2.5	CN (normal)	Steel	11834796
MR 95 2Z	5	9	3	CN (normal)	Steel	12478540
MR 115 2Z	5	11	4	CN (normal)	Steel	11834782
685 2Z	5	11	5	CN (normal)	Steel	12478333
685 2RS	5	11	5	CN (normal)	Steel	12478331
695 2Z	5	13	4	CN (normal)	Steel	11833173
695 2RS	5	13	4	CN (normal)	Steel	13379230
605 2Z	5	14	5	CN (normal)	Steel	11832498
625 2Z	5	16	5	CN (normal)	Steel	11667415
625 2RS	5	16	5	CN (normal)	Steel	12433092
635 2Z	5	19	6	CN (normal)	Steel	11667475
635 2RS	5	19	6	CN (normal)	Steel	11833097
MR 106 2Z	6	10	3	CN (normal)	Steel	11834781
MR 126 2Z	6	12	4	CN (normal)	Steel	11834785
686 2Z	6	13	5	CN (normal)	Steel	11833146
686 2RS	6	13	5	CN (normal)	Steel	11833142
696 2Z	6	15	5	CN (normal)	Steel	23198349
696 2RS	6	15	5	CN (normal)	Steel	23198535
696 A 2Z	6	16	5	CN (normal)	Steel	12478350
606 2Z	6	17	6	CN (normal)	Steel	11832501
606 2RS	6	17	6	CN (normal)	Steel	13550063
607 2RS	6	17	6	CN (normal)	Steel	11667353
626 2Z	6	19	6	CN (normal)	Steel	24203839
626 2RS C3	6	19	6	C3	Steel	13550078
626 2RS	6	19	6	CN (normal)	Steel	13550077
636 2Z	6	22	7	CN (normal)	Steel	11833100
R 4 2RS	6.35	15.875	4.978	CN (normal)	Steel	12630968
R 4 2Z	6.35	15.875	4.98	CN (normal)	Steel	12646411
MR 117 2Z	7	11	3	CN (normal)	Steel	11834783
MR 137 2Z	7	13	4	CN (normal)	Steel	12478336
687 2Z	7	14	5	CN (normal)	Steel	11833149
687 2RS	7	14	5	CN (normal)	Steel	12478335

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
697 2Z	7	17	5	CN (normal)	Steel	11833178
697 2RS	7	17	5	CN (normal)	Steel	12478353
607 2Z	7	19	6	CN (normal)	Steel	11832505
627 2Z	7	22	7	CN (normal)	Steel	12478310
627 2RS	7	22	7	CN (normal)	Steel	11667421
637 2Z	7	26	9	CN (normal)	Steel	12478319
MR 128 2Z	8	12	3.5	CN (normal)	Steel	11834787
MR 148 2Z	8	14	4	CN (normal)	Steel	11834789
688 2RS	8	16	5	CN (normal)	Steel	11833150
698 2Z C3	8	19	6	C3	Steel	11833183
698 2Z	8	19	6	CN (normal)	Steel	11833182
698 2RS	8	19	6	CN (normal)	Steel	12478356
608 2Z	8	22	7	CN (normal)	Steel	24203937
608 2 RS C3	8	22	7	C3	Steel	11832511
630/8 2RS	8	22	11	CN (normal)	Steel	13550080
628 2Z	8	24	8	CN (normal)	Steel	11832958
628 2RS	8	24	8	CN (normal)	Steel	11832956
638 2Z	8	28	9	CN (normal)	Steel	11833101
638 2RS	8	28	9	CN (normal)	Steel	13455444
679 2Z	9	14	4.5	CN (normal)	Steel	12478323
689 2Z	9	17	5	CN (normal)	Steel	11833161
689 2RS	9	17	5	CN (normal)	Steel	12945571
699 2Z	9	20	6	CN (normal)	Steel	11833186
609 2Z	9	24	7	CN (normal)	Steel	11832519
609 2RU	9	24	7	CN (normal)	Steel	13550068
609 2RS	9	24	7	CN (normal)	Steel	12478297
629 2Z	9	26	8	CN (normal)	Steel	11667426
629 2RS	9	26	8	CN (normal)	Steel	12478313
639 2Z	9	30	10	CN (normal)	Steel	12426218
R 6 2Z	9.525	22.225	7.142	CN (normal)	Steel	11434167
R 6 2RS	9.525	22.225	7.142	CN (normal)	Steel	12690555
R 8 2Z	12.7	28.575	7.937	CN (normal)	Steel	12989704
R 8 2RS	12.7	28.575	7.938	CN (normal)	Steel	13194321

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