



FAG 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 BRS:

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 RSR, HRS:

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: 6311

Execution: Single row

Material: Steel

Sealing: Closure on one side

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
6202-C-Z	15	35	11	CN [normal]	Steel	6202Z-FAG
6003-Z	17	35	10	CN [normal]	Steel	6003Z-FAG
6308-Z-C3	40	90	23	C3	Steel	6308ZC3-FAG
6309-Z-C3	45	100	25	C3	Steel	6309ZC3-FAG
6310-Z-C3	50	110	27	C3	Steel	6310ZC3-FAG

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