



## FAG Thin section ball bearing With flange Closure on both sides Series: 638

Single-row deep groove ball bearings are extremely versatile. They are simple in design, suitable for high to very high speeds, very robust in use 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. Single-row deep groove ball bearings with a flange can simplify the installation technically, as the bearings can be inserted into the housing in the axial direction. This saves time and space. Both open (unsealed) and sealed versions 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:** 638

**Type:** 63800

**Execution:** Single row

**Material:** Steel

**Sealing:** Closure on both sides

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Internal clearance	Cage	Article
F63800-2RSR-HLC	10	19	7	CN (normal)	Steel	14181892
F63801-2RSR-HLC	12	21	7	CN (normal)	Steel	14181893