

SKF Four point contact bearing Series: QJ2

Angular contact ball bearings have raceways in the inner and outer rings that are displaced relative to each other in the direction of the bearing axis. This means that they are designed to accommodate combined loads, i.e. simultaneously acting radial and axial loads. The axial load carrying capacity of angular contact ball bearings increases with increasing contact angle. The contact angle is defined as the angle between the line joining the points of contact of the ball and the raceways in the radial plane, along which the load is transmitted from one raceway to another, and a line perpendicular to the bearing axis. Angular contact ball bearings are manufactured in a wide variety of designs and sizes. The most commonly used designs are:

- single row angular contact ball bearings
- double row angular contact ball bearings
- four-point contact ball bearings

Four-point contact ball bearings

Four-point contact ball bearings are radial single row angular contact ball bearings with raceways that are designed to support axial loads acting in both directions. For a given axial load, a limited radial load can be supported. These bearings take up considerably less axial space than double row bearings. The inner ring is split. This enables a large number of balls to be incorporated in the bearing, giving the bearing its high load carrying capacity. The bearings are separable, i.e. the outer ring with ball and cage assembly can be mounted separately from the two inner ring halves. The bearings are available in a standard design and with two locating slots in the outer ring.

Characteristics

Series: QJ2

With sealing: No

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Contact angle °	Cage	Article
QJ 212 MA	60	110	22	35	Brass	QJ212M-SKF
QJ 212	60	110	22	35	Steel	QJ212-SKF
QJ 215 MA	75	130	25	35	Brass	QJ215M-SKF
QJ 218 N2MA	90	160	30	35	Brass	QJ218N2MA-SKF
QJ 222 N2MA	110	200	38	35	Brass	QJ222N2MA-SKF
QJ 228 N2MA	140	250	42	35	Brass	QJ228N2MA-SKF
QJ 236 N2MA	180	320	52	35	Brass	QJ236N2MA-SKF

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