

SKF Four point contact bearing Series: QJ3

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: QJ3

With sealing: No

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Contact angle °	Cage	Article
QJ 308 MA	40	90	23	35	Brass	QJ308M-SKF
QJ 310 MA	50	110	27	35	Brass	QJ310M-SKF
QJ 311 N2MA/C3	55	120	29	35	Brass	QJ311N2MAC3-SKF
QJ 316 N2MA	80	170	39	35	Brass	QJ316N2MA-SKF
QJ 320 N2MA	100	215	47	35	Brass	QJ320N2MA-SKF
QJ 326 N2MA	130	280	58	35	Brass	QJ326N2MA-SKF
QJ 328 N2MA	140	300	62	35	Brass	QJ328N2MA-SKF
QJ 330 N2MA	150	320	65	35	Brass	QJ330N2MA-SKF

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