

SKF Double row angular contact ball bearing Series: 54

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

Double row angular contact ball bearing

Double row angular contact ball bearings correspond in design to two single row angular contact ball bearings arranged back-to-back, but take up less axial space. They can accommodate radial loads as well as axial loads acting in both directions. They provide stiff bearing arrangements and are able to accommodate tilting moments. The bearings are available in a basic open and a sealed design. Basic design bearings of the 32 and 33 series have a 30° contact angle, have an optimized internal geometry to provide high radial and axial load carrying capacity and quiet operation. The bearings are also available capped with a contact seal or shield. Bearings capped on both sides are lubricated for life and are considered virtually maintenance free.

Characteristics

Series: 54 With sealing: No

Application

• Recommended in: Chemical

Manufacturer ID	Inner diameter	Outer diameter	Width	Contact angle	Cage	Article
	mm	mm	mm			
5408 A	40	110	49.21	25	Steel	23757492
5409 A	45	120	54	25	Steel	23757493
5410 A	50	130	58.74	25	Steel	23223564
5411 A	55	140	63.5	25	Steel	23757495
5412 A	60	150	66.68	25	Steel	23757496
5413 A	65	160	71.44	25	Steel	13529695
5414 A	70	180	79.38	25	Steel	23757497
5415 A	75	190	82.55	25	Steel	13529696
5416 A	80	200	87.31	25	Steel	13529697

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