

SKF Double row angular contact ball bearing With sealing Series: 33

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: 33 With sealing: Yes

Application

• Recommended in: Chemical

Manufacturer ID	Inner diameter	Outer diameter	Width	Contact angle	Cage	Article
	mm	mm	mm	0		
3302 A-2RS1TN9/MT33	15	42	19	30	Plastic	33022RSTN9-SKF
3303 A-2RS1TN9/MT33	17	47	22.2	30	Plastic	33032RSTN9-SKF
3304 A-2RS1TN9/ C3MT33	20	52	22.2	30	Plastic	33042RSC3-SKF
3304 A-2RS1/MT33	20	52	22.2	30	Steel	33042RS-SKF
3305 A-2RS1TN9/MT33	25	62	25.4	30	Plastic	33052RSTN9-SKF
3305 A-2RS1TN9/ C3MT33	25	62	25.4	30	Plastic	3305TN92RSC3-SKF
3306 A-2RS1TN9/MT33	30	72	30.2	30	Plastic	33062RSTN9-SKF
3306 A-2RS1TN9/ C3MT33	30	72	30.2	30	Plastic	3306TN92RSC3-SKF
3306 A-2ZTN9/MT33	30	72	30.2	30	Plastic	3306ZZTN9-SKF
3307 A-2RS1TN9/ C3MT33	35	80	34.9	30	Plastic	3307TN92RSC3-SKF
3307 A-2ZTN9/MT33	35	80	34.9	30	Plastic	3307ZZTN9-SKF
3307 A-2RS1TN9/MT33	35	80	34.9	30	Plastic	33072RSTN9-SKF
3308 A-2RS1TN9/MT33	40	90	36.5	30	Plastic	33082RSTN9-SKF
3308 A-2Z/C3MT33	40	90	36.5	30	Steel	3308JZZC3-SKF
3309 A-2RS1/C3MT33	45	100	39.7	30	Steel	3309J2RSC3-SKF
3309 A-2RS1/MT33	45	100	39.7	30	Steel	33092RS-SKF
3311 A-2Z/C3MT33	55	120	49.2	30	Steel	3311JZZC3-SKF

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