

SKF Double row angular contact ball bearing Series: 32

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: 32

With sealing: No

Application

• Recommended in: Chemical

Manufacturer ID	Inner diameter	Outer diameter	Width	Contact angle	Cage	Article
	mm	mm	mm			
3201 ATN9	12	32	15.9	30	Plastic	3201TN9-SKF
3202 ATN9	15	35	15.9	30	Plastic	3202-SKF
3204 ATN9	20	47	20.6	30	Plastic	3204TN9-SKF
3204 A	20	47	20.6	30	Steel	3204-SKF
3205 ATN9/C3	25	52	20.6	30	Plastic	3205C3-SKF
3205 A	25	52	20.6	30	Steel	3205-SKF
3206 ATN9/C3	30	62	23.8	30	Plastic	3206C3-SKF
3206 ATN9	30	62	23.8	30	Plastic	3206TN9-SKF
3206 A	30	62	23.8	30	Steel	3206-SKF
3207 ATN9	35	72	27	30	Plastic	3207TN9-SKF
3207 ATN9/C3	35	72	27	30	Plastic	3207C3-SKF
3207 A	35	72	27	30	Steel	3207-SKF
3208 ATN9	40	80	30.2	30	Plastic	3208TN9-SKF
3209 ATN9	45	85	30.2	30	Plastic	3209TN9-SKF
3209 ATN9/C3	45	85	30.2	30	Plastic	3209C3-SKF
3209 A	45	85	30.2	30	Steel	3209-SKF
3211 ATN9	55	100	33.3	30	Plastic	3211TN9-SKF
3211 A	55	100	33.3	30	Steel	3211-SKF
3212 A	60	110	36.5	30	Steel	3212-SKF
3212 A/C3	60	110	36.5	30	Steel	3212C3-SKF
3213 A/C3	65	120	38.1	30	Steel	3213C3-SKF
3213 A	65	120	38.1	30	Steel	3213-SKF

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Page 1/2

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Ball Bearings | Angular Contact Ball Bearings

Manufacturer ID	Inner diameter	Outer diameter	Width	Contact angle	Cage	Article
	mm	mm	mm			
3214 A	70	125	39.7	30	Steel	3214-SKF
3215 A	75	130	41.3	30	Steel	3215-SKF
3217 A/C3	85	150	49.2	30	Steel	3217C3-SKF
3217 A	85	150	49.2	30	Steel	3217-SKF
3218 A	90	160	52.4	30	Steel	3218-SKF
3219 A/C3	95	170	55.6	30	Steel	3219C3-SKF
3220 A	100	180	60.3	30	Steel	3220-SKF

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