

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 mm	Outer diameter mm	Width mm	Contact angle °	Cage	Article
3200 ATN9	10	30	14	30	Plastic	23756733
3200 ATN9/C3	10	30	14	30	Plastic	23756734
3200 ATN9/C2/231323	10	30	14	30	Plastic	12174019
3201 ATN9/C3	12	32	15.9	30	Plastic	12121227
3201 ATN9	12	32	15.9	30	Plastic	23756746
3202 ATN9	15	35	15.9	30	Plastic	23756762
3202 ATN9/C3	15	35	15.9	30	Plastic	23756763
3202 ATN9/W64	15	35	15.9	30	Plastic	13196864
3203 ATN9/C3	17	40	17.5	30	Plastic	23756778
3203 ATN9/C2/231323	17	40	17.5	30	Plastic	23223071
3203 ATN9	17	40	17.5	30	Plastic	23756776
3204 ATN9	20	47	20.6	30	Plastic	23756795
3204 ATN9/C2	20	47	20.6	30	Plastic	23756796
3204 A/C3	20	47	20.6	30	Steel	23756794
3204 A	20	47	20.6	30	Steel	23756786
3205 ATN9	25	52	20.6	30	Plastic	23756809
3205 ATN9/C2	25	52	20.6	30	Plastic	23756811
3205 ATN9/C3	25	52	20.6	30	Plastic	23756812
3205 ATN9/305563A	25	52	20.6	30	Plastic	23756810
3205 ATN9/W64	25	52	20.6	30	Plastic	13196883
3205 A/C3	25	52	20.6	30	Steel	23756807
3205 A	25	52	20.6	30	Steel	24002206

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Contact angle °	Cage	Article
3206 ATN9/C3	30	62	23.8	30	Plastic	23756823
3206 ATN9	30	62	23.8	30	Plastic	23756822
3206 A/C3	30	62	23.8	30	Steel	24002209
3206 A	30	62	23.8	30	Steel	23756815
3207 ATN9	35	72	27	30	Plastic	23756831
3207 ATN9/C2	35	72	27	30	Plastic	23756832
3207 ATN9/C3	35	72	27	30	Plastic	23756833
3207 A/C3	35	72	27	30	Steel	23756830
3207 A	35	72	27	30	Steel	24045352
3208 ATN9	40	80	30.2	30	Plastic	23756841
3208 ATN9/C3	40	80	30.2	30	Plastic	23756842
3208 ATN9/W64	40	80	30.2	30	Plastic	13196890
3208 A/C3	40	80	30.2	30	Steel	24002217
3208 A	40	80	30.2	30	Steel	23756834
3209 ATN9	45	85	30.2	30	Plastic	23756849
3209 ATN9/C3	45	85	30.2	30	Plastic	23756850
3209 ATN9/W64	45	85	30.2	30	Plastic	13196892
3209 A/C3	45	85	30.2	30	Steel	23756848
3209 A	45	85	30.2	30	Steel	23756843
3210 ATN9/C3	50	90	30.2	30	Plastic	23756858
3210 ATN9	50	90	30.2	30	Plastic	23756857
3210 A	50	90	30.2	30	Steel	23756851
3210 A/C3	50	90	30.2	30	Steel	23756856
3211 ATN9	55	100	33.3	30	Plastic	23756865
3211 A	55	100	33.3	30	Steel	23756860
3211 A/C3	55	100	33.3	30	Steel	23756864
3212 ATN9	60	110	36.5	30	Plastic	23756871
3212 A	60	110	36.5	30	Steel	23756866
3212 A/C3	60	110	36.5	30	Steel	23756869
3213 A/C3	65	120	38.1	30	Steel	23756875
3213 A	65	120	38.1	30	Steel	23756872
3214 A	70	125	39.7	30	Steel	23756876
3214 A/C3	70	125	39.7	30	Steel	23756878
3214 A/W64	70	125	39.7	30	Steel	13196896
3215 A/W64	75	130	41.3	30	Steel	13196897
3215 A/C3	75	130	41.3	30	Steel	23756881
3215 A	75	130	41.3	30	Steel	23756879
3216 A	80	140	44.4	30	Steel	23756882
3216 A/C3	80	140	44.4	30	Steel	23756883
3217 A/C3	85	150	49.2	30	Steel	23756885
3217 A	85	150	49.2	30	Steel	23756884
3218 A	90	160	52.4	30	Steel	23756886
3218 A/C3	90	160	52.4	30	Steel	23756887
3219 A/C3	95	170	55.6	30	Steel	23756889
3219 A	95	170	55.6	30	Steel	23756888
3220 A	100	180	60.3	30	Steel	23756891
3220 A/C3	100	180	60.3	30	Steel	23756892
3220 A/W64	100	180	60.3	30	Steel	13196899
3222 A/C3	110	200	69.8	30	Steel	23756911
3222 A	110	200	69.8	30	Steel	23756910

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