

SKF Double row angular contact ball bearing With sealing 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: Yes

Application

- Recommended in: Chemical

Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Contact angle °	Cage	Article
3200 A-2ZTN9/MT33	10	30	14	30	Plastic	23756732
3200 A-2RSITN9/MT33	10	30	14	30	Plastic	23756731
3201 A-2RSITN9/MT33	12	32	15.9	30	Plastic	23756744
3201 A-2ZTN9/MT33	12	32	15.9	30	Plastic	23756745
3202 A-2RSITN9/MT33	15	35	15.9	30	Plastic	23756759
3202 A-2ZTN9/MT33	15	35	15.9	30	Plastic	23756761
3202 A-2RSITN9/W64	15	35	15.9	30	Plastic	23756760
3203 A-2RSITN9/C3MT33	17	40	17.5	30	Plastic	24002203
3203 A-2RSITN9/W64	17	40	17.5	30	Plastic	13196873
3203 A-2RSITN9/MT33	17	40	17.5	30	Plastic	23756773
3203 A-2ZTN9/MT33	17	40	17.5	30	Plastic	23756775
3204 A-2RSITN9/MT33	20	47	20.6	30	Plastic	23756788
3204 A-2ZTN9/MT33	20	47	20.6	30	Plastic	23756793
3204 A-2ZTN9/C3GE2	20	47	20.6	30	Plastic	13529561
3204 A-2RSITN9/W64	20	47	20.6	30	Plastic	23756789
3204 A-2RS1/MT33	20	47	20.6	30	Steel	24002204
3204 A-2Z/MT33	20	47	20.6	30	Steel	24002205
3204 A-2Z	20	47	20.6	30	Steel	23756790
3204 A-2Z/C3MT33	20	47	20.6	30	Steel	23756792
3205 A-2ZTN9/MT33	25	52	20.6	30	Plastic	23756806

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Contact angle °	Cage	Article
3205 A-2ZTN9/ C3VT113	25	52	20.6	30	Plastic	12174022
3205 A-2RS1TN9/MT33	25	52	20.6	30	Plastic	23756804
3205 A-2RS1TN9/ C3VT114	25	52	20.6	30	Plastic	23223402
3205 A-2ZTN9/C3GE2	25	52	20.6	30	Plastic	13529573
3205 A-2RS1TN9/W64	25	52	20.6	30	Plastic	13196882
3205 A-2RS1/C3	25	52	20.6	30	Steel	13529562
3205 A-2RS1	25	52	20.6	30	Steel	23756802
3205 A-2RS1/MT33	25	52	20.6	30	Steel	24002207
3205 A-2Z/C3MT33	25	52	20.6	30	Steel	23222979
3205 A-2Z	25	52	20.6	30	Steel	23757391
3205 A-2Z/MT33	25	52	20.6	30	Steel	24002208
3206 A-2RS1TN9/MT33	30	62	23.8	30	Plastic	23756818
3206 A-2ZTN9/ C3MT33	30	62	23.8	30	Plastic	23756819
3206 A-2RS1TN9/ C3MT33	30	62	23.8	30	Plastic	23756817
3206 A-2ZTN9/MT33	30	62	23.8	30	Plastic	23756820
3206 A-2RS1TN9/W64	30	62	23.8	30	Plastic	13196884
3206 A-2Z	30	62	23.8	30	Steel	12121230
3206 A-2RS1/MT33	30	62	23.8	30	Steel	24002210
3206 A-2Z/MT33	30	62	23.8	30	Steel	24002211
3206 A-2Z/C3MT33	30	62	23.8	30	Steel	23223669
3207 A-2ZTN9/ C3MT33	35	72	27	30	Plastic	24002216
3207 A-2RS1TN9/MT33	35	72	27	30	Plastic	23756827
3207 A-2ZTN9/MT33	35	72	27	30	Plastic	23756829
3207 A-2Z/MT33	35	72	27	30	Steel	24002215
3207 A-2RS1/C3	35	72	27	30	Steel	13529574
3207 A-2Z/C3MT33	35	72	27	30	Steel	23756828
3207 A-2Z	35	72	27	30	Steel	12121231
3207 A-2RS1	35	72	27	30	Steel	23756826
3207 A-2RS1/MT33	35	72	27	30	Steel	24002214
3207 A-2RS1/W64F	35	72	27	30	Steel	13196887
3208 A-2RS1TN9/W64	40	80	30.2	30	Plastic	13196889
3208 A-2ZTN9/MT33	40	80	30.2	30	Plastic	23756840
3208 A-2RS1TN9/ C3MT33	40	80	30.2	30	Plastic	23756836
3208 A-2ZTN9/C3GE2	40	80	30.2	30	Plastic	13529575
3208 A-2RS1TN9/MT33	40	80	30.2	30	Plastic	23756837
3208 A-2RS1/MT33	40	80	30.2	30	Steel	24002218
3208 A-2Z/MT33	40	80	30.2	30	Steel	24002219
3208 A-2Z/C3MT33	40	80	30.2	30	Steel	23756839
3208 A-2Z	40	80	30.2	30	Steel	23756838
3209 A-2RS1TN9/MT33	45	85	30.2	30	Plastic	23756846
3209 A-2ZTN9/MT33	45	85	30.2	30	Plastic	23756847
3209 A-2RS1/MT33	45	85	30.2	30	Steel	24002220
3209 A-2Z/MT33	45	85	30.2	30	Steel	24002221
3209 A-2Z/C3MT33	45	85	30.2	30	Steel	11903445
3210 A-2ZTN9/MT33	50	90	30.2	30	Plastic	23756855
3210 A-2RS1TN9/ C3MT33	50	90	30.2	30	Plastic	23756852
3210 A-2RS1TN9/MT33	50	90	30.2	30	Plastic	23756853
3210 A-2RS1/MT33	50	90	30.2	30	Steel	24002222
3210 A-2RS1	50	90	30.2	30	Steel	13529578

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Contact angle °	Cage	Article
3210 A-2Z/C3MT33	50	90	30.2	30	Steel	12174024
3210 A-2Z	50	90	30.2	30	Steel	23756854
3210 A-2Z/MT33	50	90	30.2	30	Steel	24002223
3211 A-2Z/C3MT33	55	100	33.3	30	Steel	12131795
3211 A-2Z	55	100	33.3	30	Steel	23756862
3211 A-2RS1/MT33	55	100	33.3	30	Steel	23756861
3211 A-2Z/MT33	55	100	33.3	30	Steel	23756863
3212 A-2RSITN9/MT33	60	110	36.5	30	Plastic	24002224
3212 A-2RS1	60	110	36.5	30	Steel	12121617
3212 A-2Z/C3MT33	60	110	36.5	30	Steel	12174026
3212 A-2Z/MT33	60	110	36.5	30	Steel	23756868
3212 A-2RS1/MT33	60	110	36.5	30	Steel	23756867
3212 A-2RS1/W64	60	110	36.5	30	Steel	13701273
3213 A-2Z/C3MT33	65	120	38.1	30	Steel	23756874
3213 A-2RS1/C3MT33	65	120	38.1	30	Steel	23756873
3214 A-2Z/MT33	70	125	39.7	30	Steel	23756877
3215 A-2Z/C3MT33	75	130	41.3	30	Steel	23756880

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