

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 mm	Outer diameter mm	Width mm	Contact angle °	Cage	Article
3302 A-2RSITN9/ C3MT33	15	42	19	30	Plastic	13529633
3302 A-2RSITN9/MT33	15	42	19	30	Plastic	23756979
3302 A-2ZTN9/MT33	15	42	19	30	Plastic	23756980
3303 A-2RSITN9/MT33	17	47	22.2	30	Plastic	23756989
3303 A-2ZTN9/MT33	17	47	22.2	30	Plastic	23756990
3304 A-2ZTN9/MT33	20	52	22.2	30	Plastic	23756998
3304 A-2RSITN9/MT33	20	52	22.2	30	Plastic	23756997
3304 A-2ZTN9/ C3VT113	20	52	22.2	30	Plastic	12121236
3304 A-2RSITN9/ C3MT33	20	52	22.2	30	Plastic	23756996
3304 A-2RSITN9/W64	20	52	22.2	30	Plastic	13196932
3304 A-2Z/C3MT33	20	52	22.2	30	Steel	13196933
3304 A-2Z	20	52	22.2	30	Steel	12121235
3304 A-2RS1/MT33	20	52	22.2	30	Steel	24002226
3305 A-2ZTN9/MT33	25	62	25.4	30	Plastic	23757008
3305 A-2RSITN9/MT33	25	62	25.4	30	Plastic	23757006
3305 A-2ZTN9/C3GE2	25	62	25.4	30	Plastic	13529636
3305 A-2ZTN9/ C3VT113	25	62	25.4	30	Plastic	12121238
3305 A-2RSITN9/ C3MT33	25	62	25.4	30	Plastic	23757005

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Manufacturer ID	Inner diameter mm	Outer diameter mm	Width mm	Contact angle °	Cage	Article
3305 A-2RSITN9/W64	25	62	25.4	30	Plastic	13196934
3305 A-2Z/C3MT33	25	62	25.4	30	Steel	12180567
3306 A-2RSITN9/W64	30	72	30.2	30	Plastic	13196935
3306 A-2ZTN9/C3GE2	30	72	30.2	30	Plastic	13529637
3306 A-2RSITN9/MT33	30	72	30.2	30	Plastic	23757014
3306 A-2ZTN9/C3VT113	30	72	30.2	30	Plastic	12212053
3306 A-2RSITN9/C3MT33	30	72	30.2	30	Plastic	12188326
3306 A-2ZTN9/MT33	30	72	30.2	30	Plastic	23757015
3306 A-2Z	30	72	30.2	30	Steel	12121239
3306 A-2Z/C3MT33	30	72	30.2	30	Steel	23223685
3307 A-2RSITN9/C3MT33	35	80	34.9	30	Plastic	24002227
3307 A-2ZTN9/MT33	35	80	34.9	30	Plastic	23757024
3307 A-2RSITN9/MT33	35	80	34.9	30	Plastic	23757023
3307 A-2ZTN9/C3VT113	35	80	34.9	30	Plastic	13529640
3307 A-2Z/C3MT33	35	80	34.9	30	Steel	24211186
3307 A-2Z	35	80	34.9	30	Steel	12121242
3308 A-2ZTN9/C3VT113	40	90	36.5	30	Plastic	12212022
3308 A-2RSITN9/W64	40	90	36.5	30	Plastic	13196938
3308 A-2RSITN9/C3MT33	40	90	36.5	30	Plastic	13529642
3308 A-2ZTN9/MT33	40	90	36.5	30	Plastic	23757033
3308 A-2RSITN9/MT33	40	90	36.5	30	Plastic	23757032
3308 A-2Z	40	90	36.5	30	Steel	12121243
3308 A-2RS1	40	90	36.5	30	Steel	13030080
3308 A-2Z/C3MT33	40	90	36.5	30	Steel	12253431
3309 A-2ZTN9/C3VT113	45	100	39.7	30	Plastic	12121245
3309 A-2RSITN9/C3MT33	45	100	39.7	30	Plastic	13529645
3309 A-2RS1/C3	45	100	39.7	30	Steel	13529644
3309 A-2RS1/C3MT33	45	100	39.7	30	Steel	23757044
3309 A-2RS1/MT33	45	100	39.7	30	Steel	23757045
3309 A-2Z/C3MT33	45	100	39.7	30	Steel	23757047
3309 A-2Z	45	100	39.7	30	Steel	23757046
3310 A-2ZTN9/C3VT113	50	110	44.4	30	Plastic	12121246
3310 A-2RS1/C3MT33	50	110	44.4	30	Steel	23757054
3310 A-2Z/C3	50	110	44.4	30	Steel	13529646
3310 A-2Z	50	110	44.4	30	Steel	23772308
3310 A-2Z/C3MT33	50	110	44.4	30	Steel	23757055
3311 A-2ZTN9/C3VT113	55	120	49.2	30	Plastic	12121247
3311 A-2RS1/C3MT33	55	120	49.2	30	Steel	23757069
3311 A-2Z/C3MT33	55	120	49.2	30	Steel	23757071
3312 A-2Z/C3MT33	60	130	54	30	Steel	23757091
3312 A-2Z/C3	60	130	54	30	Steel	23757090
3313 A-2ZTN9/C3VT113	65	140	58.7	30	Plastic	12121248
3313 A-2Z/C3MT33	65	140	58.7	30	Steel	23757098
3314 A-2ZTN9/C3VT113	70	150	63.5	30	Plastic	12449075
3315 A-2Z/C3MT33	75	160	68.3	30	Steel	12983096
3319 A-2ZTN9/C3VT113	95	200	77.8	30	Plastic	13529659

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