

## 3309A-2Z/C3MT33



### Technical sheet of 3309A-2Z/C3MT33

#### What are the Benefits of choosing 3309A-2Z/C3MT33 bearings?

- **Bidirectional Load Capacity:** A single bearing can simultaneously withstand bidirectional axial and radial loads, eliminating the need for paired installation.
- **High Rigidity and Anti-Overturning:** A large contact angle design effectively resists tilting moments, ensuring shaft system stability.
- **Compact Structure:** Occupies minimal axial space, simplifying housing design and facilitating installation.

<b>Type :</b>	Double row angular contact ball bearings	
<b>Model :</b>	<a href="#">3309A-2Z/C3MT33</a>	
<b>Main demensions :</b>	45 mm × 100 mm × 40 mm	Bore Dia × Outside Dia × Width Dia
<b>M kg:</b>	1.29	Mass
<b>HS Code :</b>	8482103000	Bearing customs code
<b>d mm:</b>	45	inner ring diameter
<b>D mm:</b>	100	Outer ring diameter
<b>B(T) mm:</b>	40	Overall Width

#### Detailed parameters and installation dimensions:

Part Number: 3309A-2Z/C3MT33

Technical description (A-2Z/C3MT33): A=Double Row Angular Contact Ball Bearing Without Filling Slots. 2Z=Shield Of Pressed Sheet Steel On Both Sides Of The Bearing. C3=Internal Clearance Larger Than Normal. MT33=Lithium Grease, Medium Temp. 74 cSt @ 40°C, -30°C/+120°C, A Two-Figure Number Following MT Identifies The Actual Grease. An Additional Letter Or Letter/Figure Combination As Mentioned Under "HT"

Identifies Filling Degrees Other Than Standard. Examples: MT33 Or MT37F9.

The equivalent designations: 7316571496122

Bearing Type: Angular Contact Ball Bearings, Double Row

Bearing Size(metric): Inner dia. (d): 45 mm X Outer dia. (D): 100 mm X Width (B): 39,7 mm or Size: 45 mm \* 100 mm \* 39,7 mm

Original Equipment Manufacture(OEM NO.): 3309A-2Z/C3MT33

Bore: C (Cylindrical Bore)

Seals Type: ZZ/ZZ (Steel Material Seals on both sides)

Cage Design: S (Steel or Standard Cage)

Radial internal clearance:C3 Internal Play (Higher than Normal)

Precision Rating: Standard class precision

Type of lubrication: M - Grease with Lithium Thickener

Thermal Stability: No Thermal Stability - Temperatures up to 120°C

Split Inneering / Outerring: Standard

### What are the applications of the 3309A-2Z/C3MT33 bearing?

- **Gearboxes/Reducers:** Used in industrial gearboxes and planetary reducers. Withstands bidirectional composite loads, provides high rigidity support, and ensures smooth transmission.
- **Pumps/Compressors:** Used in centrifugal pumps, screw pumps, and refrigeration compressors. Precise axial positioning, compact structure, and space-saving installation.
- **Agitators/Worm Gear Drives:** Used in agitators, worm gear reducers, and machine tool indexing heads. Effectively resists tilting moments; a single bearing solves bidirectional axial positioning.

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