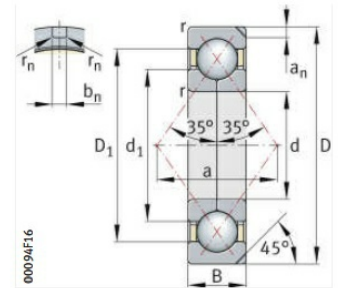
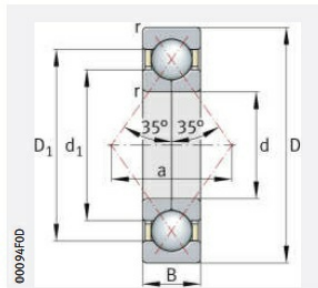
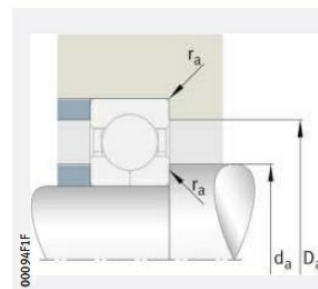


QJ324-N2-MPA

Four point contact bearings, holding grooves



N2 variant



Mounting dimensions

Technical sheet of QJ324-N2-MPA

What are the Benefits of choosing QJ324-N2-MPA bearings?

- **Bidirectional Axial Load Capacity:** A single bearing can withstand bidirectional axial loads, replacing two sets of angular contact ball bearings.
- **Space Saving:** Significantly reduces axial footprint, resulting in a more compact structure.
- **High Axial Rigidity:** Large contact angle design provides high axial stiffness and precise positioning.
- **Economical and Efficient:** Reduces procurement and installation costs.

Type :	Four-point contact ball bearings	
Model :	QJ324-N2-MPA	
Old Code :	QJ324N2MPA	
Main demensions :	120 mm × 260 mm × 55 mm	Bore Dia × Outside Dia × Width Dia
M kg:	15.6	Mass
HS Code :	8482103000	Bearing customs code
d mm:	120	inner ring diameter
D mm:	260	Outer ring diameter

B(T) mm:	55	Overall Width
Cr kN:	382.861	Radial dynamic load rating
C_{0r} kN:	484.793	Radial static load rating
Grease r/min:	2446	Reference speed
Oil r/min:	4510	Limiting speed

Detailed parameters and installation dimensions:

Part Number	QJ324-N2-MPA
RIC	CN
Series	QJ3 series (QJ3..-N2-MPA)
Radial Dynamic Capacity - C _r	382861 N 86067 lbf
Radial static Capacity - C _{0r}	484793 N 108981 lbf
Bearing Mass - m	15.6 kg 34.3918 lb
Bearing Type	Four point contact bearings, holding grooves
Reference speed - n _{θr}	2446 min ⁻¹
Limiting speed - n _G	4510 min ⁻¹
Row NO.	One
Design	N2: Two retaining slots in outer ring
Radial Fatigue Capacity - C _{ur}	19080 N 4289 lbf
Cage	MPA = Solid brass cage, outer ring guided
Temperature - T(min)	-30 °C
Temperature - T(max)	up 200 °C
Contact angle - α	35 °
Angle retaining slot	45 °
Dimension Inside - d φ	120 mm 4.7244 inch
Dimension Outside - D Φ	260 mm 10.2362 inch
Dimension Width - B	55 mm 2.1654 inch
Type	QJ
Heat stabilization	S1 = up to 200°C
Accuracy class	PN (ABEC-1)
Dimension - r(min.)	3 mm 0.1181 inch
Dimension - D ₁	210.6 mm 8.2913 inch
Dimension - d ₁	169.9 mm 6.6890 inch
Equivalent	QJ324N2MPA
Bore Type	Cylindrical bore
Dimension - a	133 mm 5.2362 inch
Dimension - a _n	11.7 mm 0.4606 inch
Dimension - b _n	10.5 mm 0.4134 inch
Dimension - r _n	2 mm 0.0787 inch
Manufacturer Part Code	QJ324N2MPA
Ring Material	GCr15SiMn
Seal	Open

Mounting dimensions - d_a (min.)	134 mm 5.2756 inch
Mounting dimensions - D_a (max.)	246 mm 9.6850 inch
Mounting dimensions - r_a (max.)	2.5 mm 0.0984 inch
Ball Material	GCr15SiMn
Units	Metric

What are the applications of the QJ324-N2-MPA bearing?

- **Gearboxes/Compressors:** Used in industrial speed reducers and screw compressors. A single bearing set withstands bidirectional axial forces, resulting in a compact structure.
- **Lifting/Mining:** Used in crane slewing mechanisms and winches. Simultaneously withstands combined loads while saving space.
- **Machine Tools/Automation:** Used in rotary tables and indexing heads. Precise bidirectional positioning and smooth operation.

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