

MA5216TV



Technical sheet of MA5216TV

What are the Benefits of choosing MA5216TV bearings?

- **High radial load capacity:** The rollers and raceways have line contact, resulting in a rated radial load significantly higher than that of ball bearings of the same size.
- **Good high-speed performance:** Generally employs machined or stamped cages, resulting in low friction and suitability for high-speed operation.
- **High rigidity:** Minimal elastic deformation effectively supports the shaft and housing, improving the rigidity of the transmission system.
- **Separable design:** The inner ring (with roller cage) is separable from the outer ring, facilitating installation, disassembly, and maintenance.
- **Axial displacement adaptability:** Types without inner ring flanges (such as NU and N types) allow for free axial expansion and contraction of the shaft relative to the housing, addressing thermal expansion issues.
- **Compact structure:** Small cross-sectional height saves radial space.

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|--------------------------|--|----------------------|
| Type : | Single row cylindrical roller bearings | |
| Model : | MA5216TV | |
| Main dimensions : | 80 mm × 140 mm × 44.45 mm Bore Dia × Outside Dia × Width Dia | |
| M kg: | 2.948 | Mass |
| HS Code : | 8482500090 | Bearing customs code |
| d mm: | 80 | inner ring diameter |
| D mm: | 140 | Outer ring diameter |
| B(T) mm: | 44.45 | Overall Width |

Detailed parameters and installation dimensions:

ID: 3.15 inch, OD: 5.512 inch, T/B: 1.75 inch, Cage - Material: Steel

Part Number: MA5216TV Link-Belt

Technical description (TV): T=(Segment Ext. Modif., Code 2I)=Two Retaining Rings in Outer Ring I.D. V=One

Piece Steel Cage.
Bearing Type: Cylindrical Roller Bearings, Single Row
Inner Dimension d (mm): 80
Outer Dimension D (mm): 140
Width (B) Inch: 1.7500
Original Equipment Manufacture(OEM NO.): MA5216TV
Bore: C (Cylindrical Bore)
Seals Type: No Seal
Cage Design: S (Steel or Standard Cage)
Radial internal clearance: Cn (Normal Internal clearance)
Precision Rating: Standard class precision
Thermal Stability: No Thermal Stability - Temperatures up to 120°C

What are the applications of the MA5216TV bearing?

- **Electric Motors and Generators:** Support high speeds and reduce frictional temperature rise.
- **Gearboxes:** Withstand high radial loads and improve transmission rigidity.
- **Pumps and Compressors:** Ensure stable rotor operation and extend service life.
- **Metallurgical Equipment:** Resistant to heavy loads and impacts, adaptable to high-temperature conditions.
- **Mining Machinery:** Resistant to vibration and dust, maintaining continuous operation.
- **Wind Power Equipment:** Reliably transmits torque and adapts to variable speed and load conditions.
- **Rail Transportation:** Withstands heavy vehicle loads and ensures safe operation.
- **Machine Tools:** Provides high-rigidity support to ensure machining accuracy.
- **Paper Machinery:** Maintains roller stability and improves paper quality.
- **Conveying Equipment:** Bears continuous loads and reduces downtime for maintenance.

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