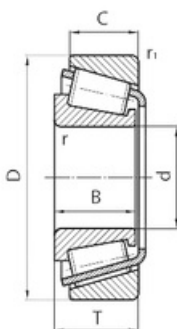


431629



Technical sheet of 431629

Type :	Double row taper roller bearings	
Model :	431629	
Main demensions :	63.5 mm × 95 mm × 17 mm	Bore Dia × Outside Dia × Width Dia
M kg:	0.365	Mass
HS Code :	8482200000	Bearing customs code
d mm:	63.5	inner ring diameter
D mm:	95	Outer ring diameter
B(T) mm:	17	Overall Width

Detailed parameters and installation dimensions:

d: 63.5 mm
 D: 95 mm
 T: 17 mm
 B: 15.5 mm
 C: 11.55 mm
 Mass: 0.365 Kg

Part Number: 431629

The equivalents designations: 509881

L910349/310

L910349/L910310

Bearing Type: Tapered Roller Bearings, Single Row

Bearing Size (metric): Inner dia. (d): 63,5 mm X Outer dia. (D): 95 mm X Width B (or T): 17 mm or Size: 63,5 mm * 95 mm * 17 mm

Original Equipment Manufacture(OEM NO.): 431629

Precision Rating: Standard class precision

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431629 features:

Two single-row tapered roller bearings, pre-assembled in a "back-to-back" or "face-to-face" configuration, are typically integrated into a common outer ring and two inner rings (or a double inner ring).

Superior radial and bidirectional axial load capacity: The double-row design allows it to withstand axial loads from both directions, while its radial load capacity is significantly higher than that of deep groove or angular contact ball bearings of the same size.

Extremely high rigidity: The rollers and raceways have line contact, and the tapered angle design provides strong support; the back-to-back arrangement (most common) forms a strong "O" ring support, effectively withstanding overturning moments and complex combined loads, greatly improving spindle rigidity and reducing deformation.

Pre-adjusted clearance and high rotational accuracy: The internal clearance (preload or clearance) is precisely set at the factory via spacers, eliminating the need for user adjustment during installation and ensuring optimal performance and precision; precision-grade products offer very high rotational accuracy and smooth operation.

Simplified design and installation: As a single unit, it saves more space and is easier to install than using two single-row tapered bearings paired together, avoiding the complexity and errors of on-site pairing.

Good speed adaptability: Its speed performance is sufficient for most heavy-duty and medium-speed applications.

431629 application:

Automotive Industry: Rear wheel hubs for trucks, buses, and heavy vehicles

Machine Tools and Spindles: Spindles for CNC machine tools, boring machines, milling machines, and grinding machines

Gearboxes and Transmission Systems: Industrial gearboxes, wind turbine gearboxes (medium and low speed stages), railway axle gearboxes

Construction and Mining Machinery: Vibratory rollers for vibratory rollers, travel mechanisms for excavators

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