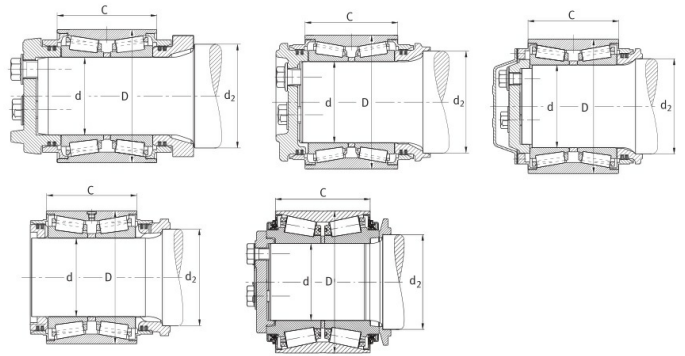


# TAROL150/250-R-TVP



## Technical sheet of TAROL150/250-R-TVP

### What are the Benefits of choosing TAROL150/250-R-TVP bearings?

- **Safe and Reliable:** Directly related to driving safety, these bearings withstand high speeds, heavy loads, and frequent vibrations and shocks, exhibiting extremely high reliability.
- **Maintenance-Free and Long Lifespan:** Sealed bearing units, pre-filled with grease, allow for maintenance intervals exceeding one million kilometers, reducing total lifespan costs.
- **High Speed and Low Heat Generation:** Optimized design suitable for high-speed rotation, generating low heat to meet long-distance operation requirements.
- **Insulation and Anti-Electro-Erosion:** Traction motor bearings utilize ceramic-coated insulation to prevent shaft current damage.

<b>Type :</b>	Railway bearings	
<b>Model :</b>	<a href="#">TAROL150/250-R-TVP</a>	
<b>Main dimensions :</b>	150 mm × 250 mm × 160 mm	Bore Dia × Outside Dia × Width Dia
<b>M kg:</b>	28.9	Mass
<b>d mm:</b>	150	inner ring diameter
<b>D mm:</b>	250	Outer ring diameter
<b>B(T) mm:</b>	160	Overall Width

### Detailed parameters and installation dimensions:

Reference From FAG TAROL150/250-R-TVP , tapered roller bearing units TAROL with metric dimensions , Straight Bore, 150 mm d x 250 mm D x 160 mm C;

Manufacturer Part Code: TAROL150/250-R-TVP , F-803295.TAROL150/250-U-TVP ;

Dimension Inside-d Bore  $\varnothing$ : 150 mm;  
Dimension Outside-D:  $\Phi$ : 250 mm;  
Dimension Width-C: 160 mm;  
Dimension Shaft d: 150 p6 mm;  
Dimension Shaft d2: 170 t7 mm;  
Load rating DIN ISO 281 C: 900 kN;  
Load rating ABEC/RBEC C1: 1020 kN;  
Mass (Base bearing): 28.9 kg;  
Typical ordering designation for complete unit: F-803295.TAROL150/250-U-TVP ;  
Mass (TAROL unit): 40 kg;  
Cage versions: TVP=Polyamide cage; JP=Sheet steel cage ;  
Type Of Bore: Cylindrical Bore;  
Number of Rows: Two Rows;  
Operation Temp Rating: -40 to 120 °C;  
Bearing Type: tapered roller bearing units TAROL with metric dimensions ;  
Application: Bearing arrangements for chassis, Wheelset bearings ;  
Suffixes: U=Complete unit; R=Base bearing ;  
Other: This size also available with JP cage version ;

### **What are the applications of the TAROL150/250-R-TVP bearing?**

- **Wheelset axle boxes:** Used in locomotives, freight cars, and EMUs. They bear the entire weight of the car body and operational impacts, ensuring safe high-speed operation.
- **Traction motors:** Used for main drive motors. They are insulated to prevent electrolytic corrosion and shaft current damage, and are suitable for high temperatures and high speeds.
- **Gearboxes:** Used in transmission systems. They are impact-resistant, highly rigid, and can withstand frequent starts and stops and torque fluctuations.

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