

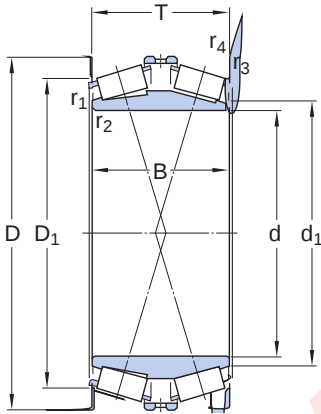
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NR double row tapered roller bearings are ready-to-mount units, manufactured with a predetermined axial clearance or preload. TDI design bearings have a double row inner ring and two outer rings that usually have an intermediate ring between them. Their roller sets are arranged face-to-face (X-arrangement). Design variants include features such as a helical groove in the bore, locating slots in the inner ring, or seals on both sides.



- High radial load carrying capacity
- Accommodate axial loads in both directions
- Relatively high stiffness
- Many variants, including shields, seals, a helical groove in the bore, or locating slots
- Ready to mount

Design variant/feature	TDI/GWIY2
Bore type	Cylindrical with helical groove



Dimensions		
d	501.65 mm	Bore diameter
D	711.2 mm	Outside diameter
T	250.825 mm	Total width
B	250.825 mm	Width of inner ring
d ₁	542.05 mm	Shoulder diameter of inner ring (small side face)
D ₁	630.345 mm	Raceway diameter of outer ring (small side face)
r _{1,2}	min. 3.2 mm	Chamfer dimension of inner ring
r _{3,4}	min. 6.4 mm	Chamfer dimension of outer ring

Calculation data

Basic dynamic load rating	C	5 500 kN
Basic static load rating	C ₀	13 700 kN
Fatigue load limit	P _u	965 kN
Limiting value	e	0.33
Calculation factor	Y ₁	2
Calculation factor	Y ₂	3
Calculation factor	Y ₀	2
Comparative radial load rating	C _F	1 370 kN
Comparative axial load rating	C _{Fa}	443 kN
Thrust factor	K	1.76

Tolerances and clearances

GENERAL BEARING SPECIFICATIONS

- Tolerances:
bearings: Normal and CL7C, P5
inch bearings: Normal and CL
- Internal clearance

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit