

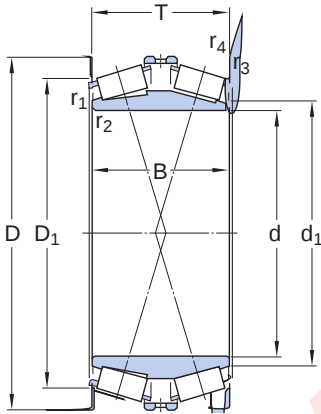
BT2B 331848

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/Y2
Bore type	Cylindrical



Dimensions		
d	489.026 mm	Bore diameter
D	634.873 mm	Outside diameter
T	152.4 mm	Total width
B	152.4 mm	Width of inner ring
D ₁	580.256 mm	Raceway diameter of outer ring (small side face)
r _{1,2}	min. 3.3 mm	Chamfer dimension of inner ring
r _{3,4}	min. 3.3 mm	Chamfer dimension of outer ring

Calculation data

Basic dynamic load rating	C	2 750 kN
Basic static load rating	C ₀	7 350 kN

Fatigue load limit	P_u	540 kN
Limiting value	e	0.35
Calculation factor	Y_1	1.9
Calculation factor	Y_2	2.9
Calculation factor	Y_0	1.8
Comparative radial load rating	C_F	670 kN
Comparative axial load rating	C_{Fa}	224 kN
Thrust factor	K	1.7

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