

BT2B 332780/HA5

NR double row tapered roller bearings are ready-to-mount units, manufactured with a predetermined axial clearance or preload. TDO design bearings have a double row outer ring and two single inner rings that usually have an intermediate ring between them. Their roller sets are arranged back-to-back (O-arrangement), which enables them to accommodate tilting moments. Design variants include features such as a helical groove in the bore or lubrication grooves in the side faces of the bearing rings.



- High radial load carrying capacity
- Accommodate axial loads in both directions
- Relatively high stiffness
- Accommodate tilting moments
- Many variants, including a helical groove in the bore or lubrication grooves in the side faces of the bearing rings
- Ready to mount

Design variant/feature	TDO.1/D	
	Dimensions	
	d	1 160 mm Bore diameter
	D	1 540 mm Outside diameter
	T	400 mm Total width
	C	290 mm Width of outer ring
	r _{1,2}	min. 12 mm Chamfer dimension of inner ring
	r _{3,4}	min. 4 mm Chamfer dimension of outer ring
	a	585 mm Distance between pressure points

Calculation data

Basic dynamic load rating	C	14 200 kN

Basic static load rating	C_0	38 000 kN
Fatigue load limit	P_u	2 160 kN
Limiting value	e	0.44
Calculation factor	Y_1	1.5
Calculation factor	Y_2	2.3
Calculation factor	Y_0	1.4
Comparative radial load rating	C_F	3 550 kN
Comparative axial load rating	C_{Fa}	1 527 kN
Thrust factor	K	1.31

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