

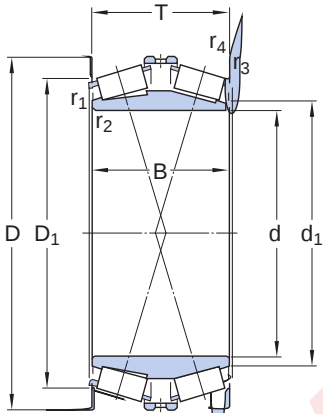
BT2B 332424/HA3

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	609.6 mm	Bore diameter
D	820 mm	Outside diameter
T	171.45 mm	Total width
B	171.45 mm	Width of inner ring
d ₁	643.95 mm	Shoulder diameter of inner ring (small side face)
D ₁	720.425 mm	Raceway diameter of outer ring (small side face)
r _{3,4}	min. 6.4 mm	Chamfer dimension of outer ring

Calculation data

Basic dynamic load rating	C	4 020 kN
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Basic static load rating	C_0	10 600 kN
Fatigue load limit	P_u	750 kN
Limiting value	e	0.37
Calculation factor	Y_1	1.8
Calculation factor	Y_2	2.7
Calculation factor	Y_0	1.8
Comparative radial load rating	C_F	980 kN
Comparative axial load rating	C_{Fa}	354 kN
Thrust factor	K	1.58

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