

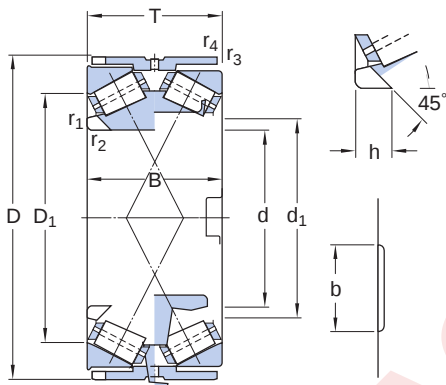
BT2-8016/HA3

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	TDIS.2/N2
Bore type	Cylindrical



Dimensions		
d	420 mm	Bore diameter
D	621 mm	Outside diameter
T	200 mm	Total width
B	200 mm	Width of inner ring
d ₁	454 mm	Shoulder diameter of inner ring (small side face)
D ₁	506.078 mm	Raceway diameter of outer ring (small side face)
b	51.3 mm	Inner ring locating slot width
h	20 mm	Inner ring locating slot depth
r _{1,2}	min. 2 mm	Chamfer dimension of inner ring
r _{3,4}	min. 5 mm	Chamfer dimension of outer ring

Calculation data

Basic dynamic load rating	C	2 970 kN
Basic static load rating	C ₀	7 200 kN
Fatigue load limit	P _u	560 kN
Limiting value	e	0.75
Calculation factor	Y ₁	0.9
Calculation factor	Y ₂	1.35
Calculation factor	Y ₀	0.9
Comparative radial load rating	C _F	735 kN
Comparative axial load rating	C _{Fa}	545 kN
Thrust factor	K	0.78

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