

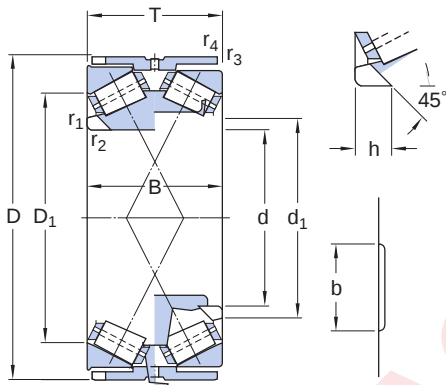
BT2B 334030/HA1

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/N1
Bore type	Cylindrical



Dimensions		
d	460 mm	Bore diameter
D	702 mm	Outside diameter
T	180 mm	Total width
B	180 mm	Width of inner ring
d ₁	510.5 mm	Shoulder diameter of inner ring (small side face)
D ₁	579.629 mm	Raceway diameter of outer ring (small side face)
b	51.3 mm	Inner ring locating slot width
h	35 mm	Inner ring locating slot depth
r _{1,2}	min. 2.5 mm	Chamfer dimension of inner ring
r _{3,4}	min. 6 mm	Chamfer dimension of outer ring

Calculation data

Basic dynamic load rating	C	3 140 kN
Basic static load rating	C ₀	6 950 kN
Fatigue load limit	P _u	530 kN
Limiting value	e	0.99
Calculation factor	Y ₁	0.69
Calculation factor	Y ₂	1.02
Calculation factor	Y ₀	0.67
Comparative radial load rating	C _F	780 kN
Comparative axial load rating	C _{Fa}	750 kN
Thrust factor	K	0.6

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