

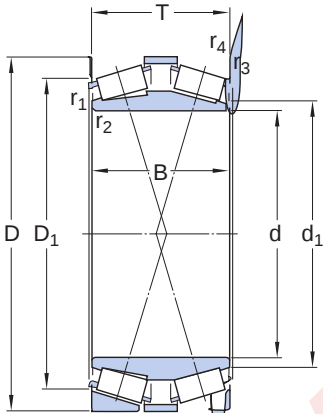
BT2-8215

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
Bore type	Cylindrical



Dimensions		
d	464 mm	Bore diameter
D	615 mm	Outside diameter
T	150 mm	Total width
B	136 mm	Width of inner ring
d ₁	495.85 mm	Shoulder diameter of inner ring (small side face)
D ₁	537.066 mm	Raceway diameter of outer ring (small side face)
r _{1,2}	min. 1.5 mm	Chamfer dimension of inner ring
r _{3,4}	min. 4 mm	Chamfer dimension of outer ring

Calculation data

Basic dynamic load rating	C	2 160 kN
Basic static load rating	C ₀	5 850 kN
Fatigue load limit	P _u	440 kN
Limiting value	e	0.83
Calculation factor	Y ₁	0.81
Calculation factor	Y ₂	1.2
Calculation factor	Y ₀	0.8
Comparative radial load rating	C _F	530 kN
Comparative axial load rating	C _{Fa}	424 kN
Thrust factor	K	0.72

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