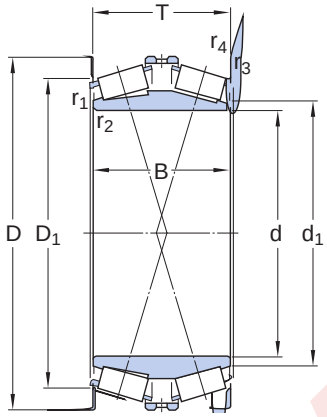
331158 A

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	384.175 mm	Bore diameter
D	546.1 mm	Outside diameter
T	193.675 mm	Total width
B	193.675 mm	Width of inner ring
d_1	415.75 mm	Shoulder diameter of inner ring (small side face)
D_1	483.036 mm	Raceway diameter of outer ring (small side face)
$r_{1,2}$	min. 3.3 mm	Chamfer dimension of inner ring
$r_{3,4}$	min. 6.4 mm	Chamfer dimension of outer ring

Calculation data

AGA BEARINGS

Basic dynamic load rating	C	3 724 kN
Basic static load rating	C_0	8 300 kN
Fatigue load limit	P_u	640 kN
Limiting value	e	0.33
Calculation factor	Y_1	2
Calculation factor	Y_2	3
Calculation factor	Y_0	2
Comparative radial load rating	C_F	915 kN
Comparative axial load rating	C_{Fa}	301 kN
Thrust factor	K	1.76

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

AGA BEARINGS