

32240



Single row tapered roller bearings are designed to accommodate combined radial and axial loads and provide low friction during operation. The inner ring, with rollers and cage, can be mounted separately from the outer ring. These separable and interchangeable components facilitate mounting, dismounting and maintenance. By mounting one single row tapered roller bearing against another and applying a preload, a rigid bearing application can be achieved.

- High radial and axial load carrying capacity
- Accommodate axial loads in one direction
- Low friction and long service life
- Separable and interchangeable components

Dimension series

3GD



Dimensions		
d	200 mm	Bore diameter
D	360 mm	Outside diameter
T	104 mm	Total width
d ₁	≈ 274.5 mm	Shoulder diameter of inner ring
B	98 mm	Width of inner ring
C	82 mm	Width of outer ring
r _{1,2}	min. 4 mm	Chamfer dimension of inner ring
r _{3,4}	min. 4 mm	Chamfer dimension of outer ring
a	82.441 mm	Distance side face to pressure point



Abutment dimensions		
d _a	max. 231 mm	Diameter of shaft abutment
d _b	min. 218 mm	Diameter of shaft abutment
D _a	min. 302 mm	Diameter of housing abutment
D _a	max. 343 mm	Diameter of housing abutment
D _b	min. 340 mm	Diameter of housing abutment
C _a	min. 11 mm	Minimum width of space required in housing on large side face
C _b	min. 22 mm	Minimum width of space required in housing on small side face
r _a	max. 4 mm	Radius of shaft fillet
r _b	max. 4 mm	Radius of housing fillet

Calculation data		
Basic dynamic load rating	C	1 300 kN
Basic static load rating	C ₀	2 000 kN
Fatigue load limit	P _u	180 kN
Reference speed		1 300 r/min
Limiting speed		1 700 r/min
Limiting value	e	0.4
Calculation factor	Y	1.5
Calculation factor	Y ₀	0.8

Tolerances and clearances		
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GENERAL BEARING SPECIFICATIONS

- Tolerances:

bearings: Normal and CL7C, CLN

inch bearings: Normal and CL, deviating width

BEARING INTERFACES

- Seat tolerances for standard conditions
- Tolerances and resultant fit

AGA BEARINGS