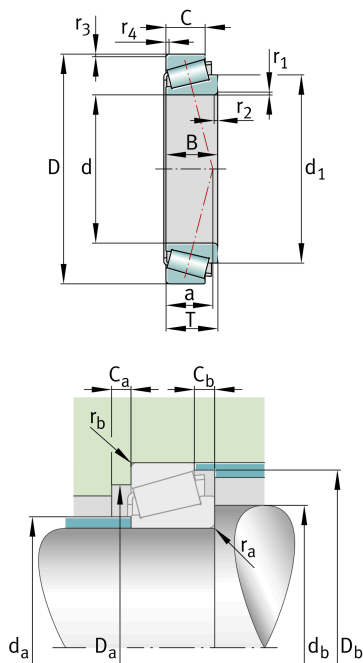


**FAG****320/32-X**

Tapered roller bearing

Tapered roller bearings 320, main dimensions to DIN ISO 355 / DIN 720, separable, adjusted or in pairs

Technical information



Your current product variant

Tolerance class	P6X	Class 6X (ISO 492:2014)
Heat treatment	Standard	
Cage	Standard	Sheet steel cage, window cage, roller-guided
Quality level	Standard	
Number of rolling element rows	1	Single-row design

Main Dimensions & Performance Data

d	32 mm	Bore diameter
D	58 mm	Outside diameter
B	17 mm	Width, inner ring
C	13 mm	Width, outer ring
T	17 mm	Width, total
C_r	39,000 N	Basic dynamic load rating, radial
C_{0r}	48,500 N	Basic static load rating, radial
C_{ur}	5,700 N	Fatigue load limit, radial
n_G	12,600 1/min	Limiting speed
n_{gr}	7,500 1/min	Thermal speed rating
$\approx m$	190.3 g	Weight



Mounting dimensions

d a max	38 mm	Maximum diameter of shaft shoulder
d b min	38 mm	Minimum diameter of shaft shoulder
D a min	50 mm	Minimum diameter of housing shoulder
D a max	52 mm	Maximum diameter of housing shoulder
D b min	55 mm	Minimum diameter of housing shoulder
C a min	3 mm	Minimum axial space
C b min	4 mm	Minimum axial space
r a max	1 mm	Maximum fillet radius of shaft
r b max	1 mm	Maximum fillet radius of housing

Dimensions

r 1, 2 min	1 mm	Minimum chamfer dimension of inner ring back face
r 3, 4 min	1 mm	Minimum chamfer dimension of outer ring back face
a	14 mm	Distance between the apexes of the pressure cones
d 1	46.5 mm	Guidance rib diameter of inner ring

Temperature range

T min	-30 °C	Operating temperature min.
T max	120 °C	Operating temperature max.

Calculation factors






e	0.45	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1.32	Dynamic axial load factor
Y 0	0.73	Static axial load factor

Additional information

T4CC032	Comparative designation to ISO 10317 and ISO 355
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Characteristics

-  Radial load
-  Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed