SCHAEFFLER

FAG

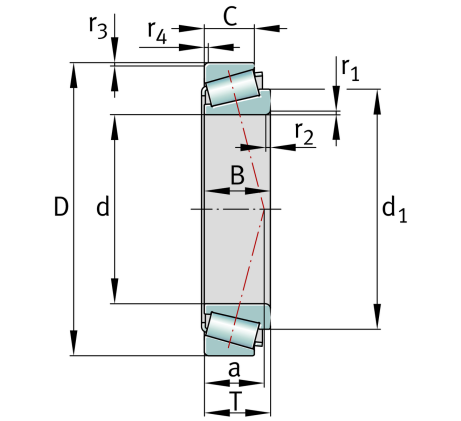
32006-X-H

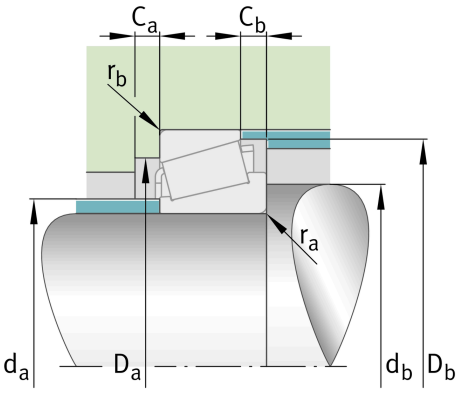
Tapered roller bearing

Schaeffler ID:
0957021640000

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

Technical information





Main Dimensions & Performance Data

d	[30] mm	Bore diameter
D	[55] mm	Outside diameter
B	[17] mm	Width, inner ring
C	[13] mm	Width, outer ring
T	[17] mm	Width, total
C_r	[36.600] N	Basic dynamic load rating, radial
C_{0r}	[46.500] N	Basic static load rating, radial
C_{ur}	[5.500] N	Fatigue load limit, radial
n_G	[10.640] 1/min	Limiting speed
$n_{\vartheta r}$	[8.000] 1/min	Thermal speed rating
	[174] g	${Weight}

Mounting dimensions

$d_{a\ max}$	[35] mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	[36] mm	Minimum diameter of shaft shoulder
$D_{a\ min}$	[48] mm	Minimum diameter of housing shoulder
$D_{a\ max}$	[49] mm	Maximum diameter of housing shoulder
$D_{b\ min}$	[52] 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

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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	[45,2] 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	[0,43]	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	[1,39]	Dynamic axial load factor
Y_0	[0,77]	Static axial load factor

Additional information

	[T4CC030]	Comparative designation to ISO 10317 and ISO 355