

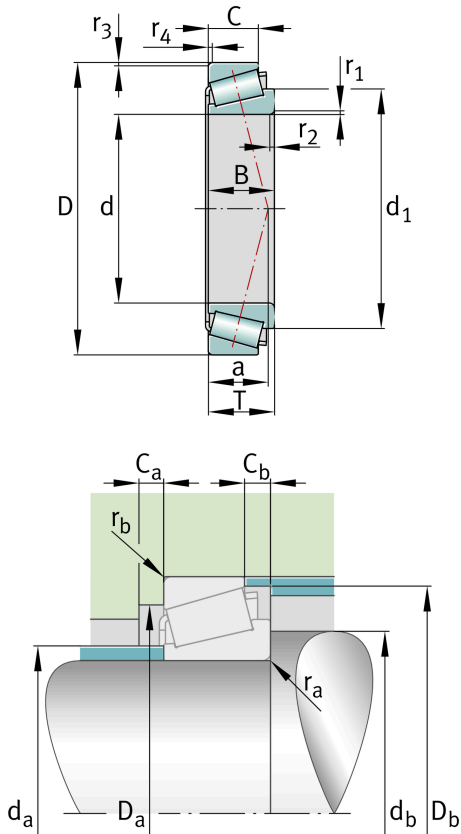
FAG

32306-A

Tapered roller bearing

Schaeffler ID:
0167129270000Tapered roller bearings 323, 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	72 mm	Outside diameter
B	27 mm	Width, inner ring
C	23 mm	Width, outer ring
T	28,75 mm	Width, total
C_r	80.000 N	Basic dynamic load rating, radial
C_{0r}	89.000 N	Basic static load rating, radial
C_{ur}	11.000 N	Fatigue load limit, radial
n_G	10.700 1/min	Limiting speed
n_{gr}	7.000 1/min	Thermal speed rating
	0,587 kg	Weight

Mounting dimensions

$d_{a \max}$	39 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	37 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	59 mm	Minimum diameter of housing shoulder
$D_{a \max}$	65 mm	Maximum diameter of housing shoulder
$D_{b \min}$	66 mm	Minimum diameter of housing shoulder
$C_{a \min}$	4 mm	Minimum axial space
$C_{b \min}$	5,5 mm	Minimum axial space
$r_{a \max}$	1,5 mm	Maximum fillet radius of shaft
$r_{b \max}$	1,5 mm	Maximum fillet radius of housing

Calculation factors

e	0,32	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
r _{1,2 min}	1,5 mm	Minimum chamfer dimension of inner ring back face
Y	1,9	Dynamic axial load factor
r _{3,4 min}	1,5 mm	Minimum chamfer dimension of outer ring back face
a	18 mm	Distance between the apexes of the pressure cones
Y ₀	1,05	Static axial load factor
d ₁	49,3 mm	Guidance rib diameter of inner ring

Additional information

T2FD030	Comparative designation to ISO 10317 and ISO 355
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Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	120 °C	Operating temperature max.