



FAG

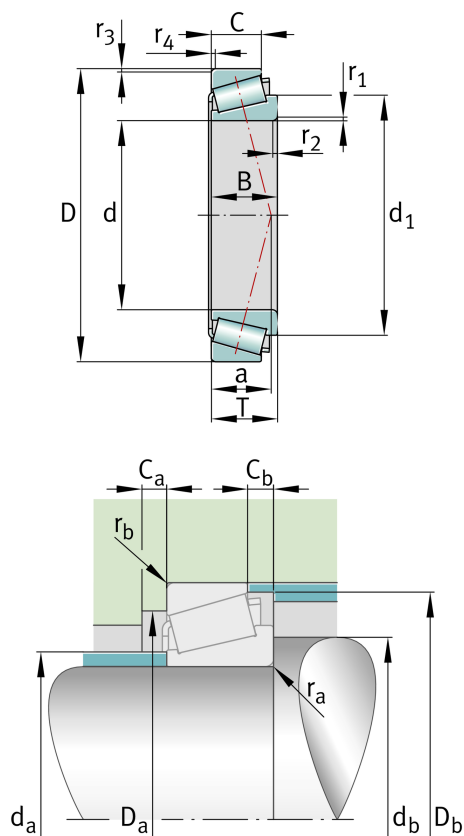
32328-A

Tapered roller bearing

Schaeffler ID:
0167132060000

Tapered roller bearings 323, main dimensions to DIN ISO 355 / DIN 720, separable, adjusted or in pairs

Technical information

**Main Dimensions & Performance Data**

d	140 mm	Bore diameter
D	300 mm	Outside diameter
B	102 mm	Width, inner ring
C	85 mm	Width, outer ring
T	107,75 mm	Width, total
C_r	1.170.000 N	Basic dynamic load rating, radial
C_{0r}	1.710.000 N	Basic static load rating, radial
C_{ur}	202.000 N	Fatigue load limit, radial
n_G	2.270 1/min	Limiting speed
n_{gr}	1.450 1/min	Thermal speed rating
	44,5 kg	Weight

Dimensions

$r_{1,2 \text{ min}}$	5 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \text{ min}}$	4 mm	Minimum chamfer dimension of outer ring back face
a	74 mm	Distance between the apexes of the pressure cones
d_1	215 mm	Guidance rib diameter of inner ring

Mounting dimensions

$d_{a \text{ max}}$	170 mm	Maximum diameter of shaft shoulder
$d_{b \text{ min}}$	157 mm	Minimum diameter of shaft shoulder
$D_{a \text{ min}}$	247 mm	Minimum diameter of housing shoulder
$D_{a \text{ max}}$	282 mm	Maximum diameter of housing shoulder
$D_{b \text{ min}}$	280 mm	Minimum diameter of housing shoulder
$C_{a \text{ min}}$	10 mm	Minimum axial space
$C_{b \text{ min}}$	22,5 mm	Minimum axial space
$r_{a \text{ max}}$	5 mm	Maximum fillet radius of shaft
$r_{b \text{ max}}$	4 mm	Maximum fillet radius of housing

Calculation factors

e	0,35	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,74	Dynamic axial load factor
Y ₀	0,96	Static axial load factor

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.