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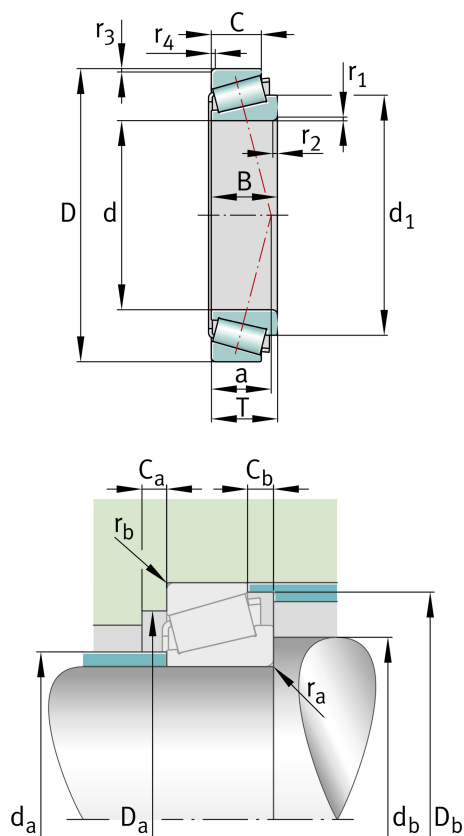
32330-A

Tapered roller bearing

Schaeffler ID:
0190566300000

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

Technical information



Main Dimensions & Performance Data

d	150 mm	Bore diameter
D	320 mm	Outside diameter
B	108 mm	Width, inner ring
C	90 mm	Width, outer ring
T	114 mm	Width, total
C_r	1.330.000 N	Basic dynamic load rating, radial
C_{0r}	1.950.000 N	Basic static load rating, radial
C_{ur}	226.000 N	Fatigue load limit, radial
n_G	2.120 1/min	Limiting speed
n_{gr}	1.320 1/min	Thermal speed rating
	42,5 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	79 mm	Distance between the apexes of the pressure cones
d_1	230 mm	Guidance rib diameter of inner ring

Mounting dimensions

$d_{a \text{ max}}$	184 mm	Maximum diameter of shaft shoulder
$d_{b \text{ min}}$	167 mm	Minimum diameter of shaft shoulder
$D_{a \text{ min}}$	264 mm	Minimum diameter of housing shoulder
$D_{a \text{ max}}$	301 mm	Maximum diameter of housing shoulder
$D_{b \text{ min}}$	299 mm	Minimum diameter of housing shoulder
$C_{a \text{ min}}$	12 mm	Minimum axial space
$C_{b \text{ min}}$	24 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.