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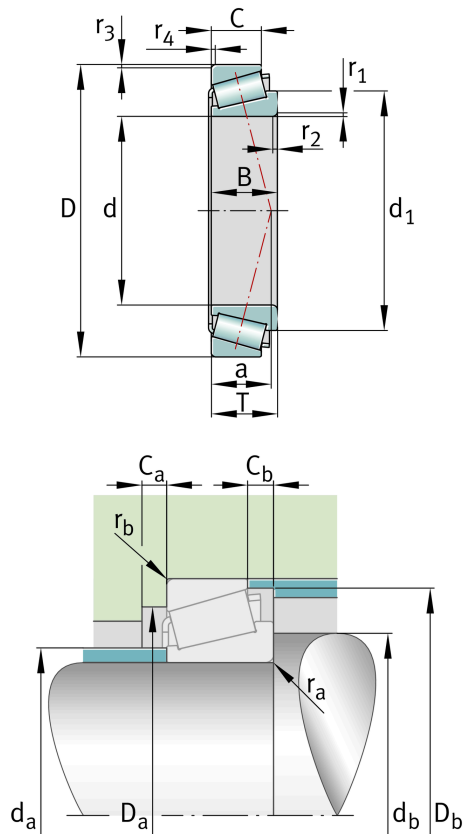
32034-X

Tapered roller bearing

Schaeffler ID:
0167119200000

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

Technical information

**Main Dimensions & Performance Data**

d	170 mm	Bore diameter
D	260 mm	Outside diameter
B	57 mm	Width, inner ring
C	43 mm	Width, outer ring
T	57 mm	Width, total
C_r	500.000 N	Basic dynamic load rating, radial
C_{0r}	880.000 N	Basic static load rating, radial
C_{ur}	108.000 N	Fatigue load limit, radial
n_G	2.500 1/min	Limiting speed
n_{gr}	1.690 1/min	Thermal speed rating
	11,4 kg	Weight

Mounting dimensions

$d_{a \max}$	187 mm	Maximum diameter of shaft shoulder
$r_{1,2 \min}$	3 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \min}$	2,5 mm	Minimum chamfer dimension of outer ring back face
$d_{b \min}$	182 mm	Minimum diameter of shaft shoulder
a	57 mm	Distance between the apexes of the pressure cones
$D_{a \min}$	230 mm	Minimum diameter of housing shoulder
d_1	216 mm	Guidance rib diameter of inner ring
$D_{a \max}$	248 mm	Maximum diameter of housing shoulder
$D_{b \min}$	249 mm	Minimum diameter of housing shoulder
$C_{a \min}$	10 mm	Minimum axial space
$C_{b \min}$	14 mm	Minimum axial space
$r_{a \max}$	3 mm	Maximum fillet radius of shaft
$r_{b \max}$	2,5 mm	Maximum fillet radius of housing

Additional information

T4EC170

Comparative designation to ISO 10317 and ISO 355

Calculation factors

e	0,44	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,35	Dynamic axial load factor
Y ₀	0,74	Static axial load factor

Temperature range

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