

FAG

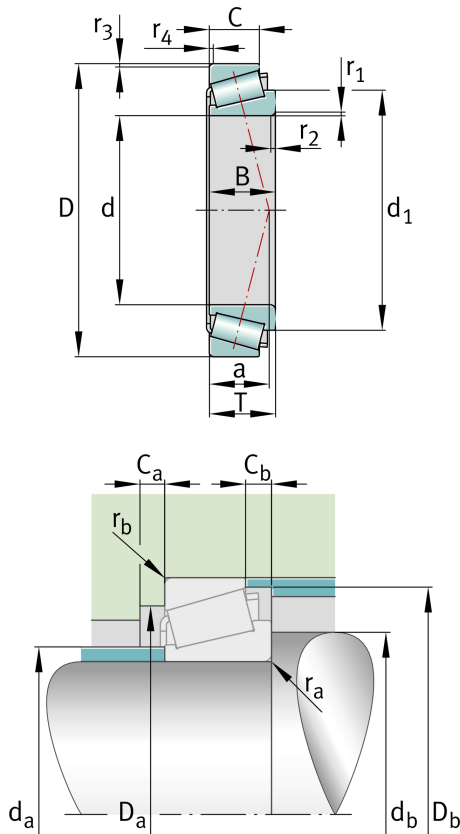
32228-A

Tapered roller bearing

Schaeffler ID:
0167128380000

Tapered roller bearings 322, 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	250 mm	Outside diameter
B	68 mm	Width, inner ring
C	58 mm	Width, outer ring
T	71,75 mm	Width, total
C_r	640.000 N	Basic dynamic load rating, radial
C_{0r}	990.000 N	Basic static load rating, radial
C_{ur}	123.000 N	Fatigue load limit, radial
n_G	2.700 1/min	Limiting speed
n_{gr}	1.760 1/min	Thermal speed rating
	14,588 kg	Weight

Dimensions

$r_{1,2 \text{ min}}$	4 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \text{ min}}$	3 mm	Minimum chamfer dimension of outer ring back face
a	60 mm	Distance between the apexes of the pressure cones
d_1	193,5 mm	Guidance rib diameter of inner ring

Mounting dimensions

$d_{a \text{ max}}$	159 mm	Maximum diameter of shaft shoulder
$d_{b \text{ min}}$	154 mm	Minimum diameter of shaft shoulder
$D_{a \text{ min}}$	210 mm	Minimum diameter of housing shoulder
$D_{a \text{ max}}$	236 mm	Maximum diameter of housing shoulder
$D_{b \text{ min}}$	238 mm	Minimum diameter of housing shoulder
$C_{a \text{ min}}$	8 mm	Minimum axial space
$C_{b \text{ min}}$	13,5 mm	Minimum axial space
$r_{a \text{ max}}$	4 mm	Maximum fillet radius of shaft
$r_{b \text{ max}}$	3 mm	Maximum fillet radius of housing

Temperature range

e	0,43	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
T _{min}	-30 °C	Operating temperature min.
Y	1,38	Dynamic axial load factor
T _{max}	200 °C	Operating temperature max.
Y ₀	0,76	Static axial load factor

Additional information

T4FD140	Comparative designation to ISO 10317 and ISO 355
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