

FAG

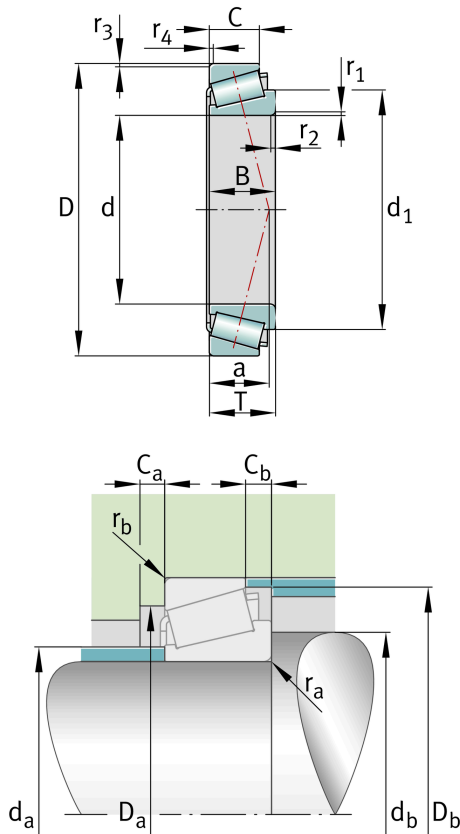
30218-A

Tapered roller bearing

Schaeffler ID:
0167106650000

Tapered roller bearings 302, main dimensions to DIN ISO 355 / DIN 720, separable, adjusted or in pairs

Technical information

**Main Dimensions & Performance Data**

d	90,00 mm	Bore diameter
D	160,00 mm	Outside diameter
B	30,00 mm	Width, inner ring
C	26,00 mm	Width, outer ring
T	32,50 mm	Width, total
C_r	201.000,00 N	Basic dynamic load rating, radial
C_{0r}	255.000,00 N	Basic static load rating, radial
C_{ur}	29.000,00 N	Fatigue load limit, radial
n_G	4.550,00 1/min	Limiting speed
n_{gr}	3.100,00 1/min	Thermal speed rating
	2,60 kg	Weight

Mounting dimensions

$d_{a \max}$	103,00 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	100,00 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	150,00 mm	Maximum diameter of housing shoulder
$C_{a \min}$	5,00 mm	Minimum axial space
$C_{b \min}$	6,50 mm	Minimum axial space
$r_{a \max}$	2,50 mm	Maximum fillet radius of shaft

Dimensions

$r_{1,2 \min}$	2,50 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \min}$	2,00 mm	Minimum chamfer dimension of outer ring back face
a	32,00 mm	Distance between the apexes of the pressure cones
d_1	121,30 mm	Guidance rib diameter of inner ring

Temperature range

T_{\min}	-30,00 °C	Operating temperature min.
T_{\max}	120,00 °C	Operating temperature max.

Calculation factors

e	0,42	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y	1,43	Dynamic axial load factor
Y_0	0,79	Static axial load factor

Additional information

T3FB090	Comparative designation to ISO 10317 and ISO 355
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