

FAG

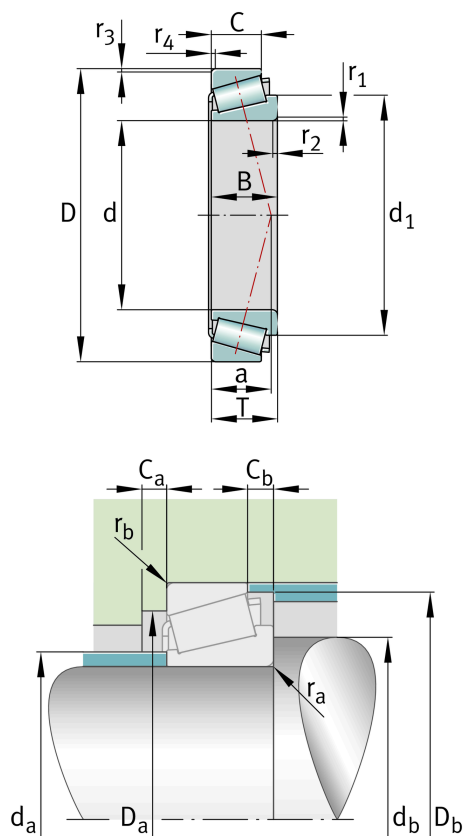
32205-A

Tapered roller bearing

Schaeffler ID:
0167125360000

Tapered roller bearings 322, main dimensions to DIN ISO 355 / DIN 720, separable, adjusted or in pairs

Technical information

**Main Dimensions & Performance Data**

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	18 mm	Width, inner ring
C	16 mm	Width, outer ring
T	19,25 mm	Width, total
C_r	40.000 N	Basic dynamic load rating, radial
C_{0r}	44.500 N	Basic static load rating, radial
C_{ur}	5.200 N	Fatigue load limit, radial
n_G	14.500 1/min	Limiting speed
n_{gr}	8.000 1/min	Thermal speed rating
	185,2 g	Weight

Mounting dimensions

$d_{a \max}$	31 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	31 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	44 mm	Minimum diameter of housing shoulder
$D_{a \max}$	46 mm	Maximum diameter of housing shoulder
$D_{b \min}$	48 mm	Minimum diameter of housing shoulder
$C_{a \min}$	3 mm	Minimum axial space
$C_{b \min}$	4 mm	Minimum axial space
$r_{a \max}$	1 mm	Maximum fillet radius of shaft
$r_{b \max}$	1 mm	Maximum fillet radius of housing

Dimensions

$r_{1,2 \min}$	1 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \min}$	1 mm	Minimum chamfer dimension of outer ring back face
a	14 mm	Distance between the apexes of the pressure cones
d_1	40,2 mm	Guidance rib diameter of inner ring

Temperature range

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

Calculation factors

e	0,36	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y	1,67	Dynamic axial load factor
Y_0	0,92	Static axial load factor

Additional information

	T2CD025	Comparative designation to ISO 10317 and ISO 355
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