



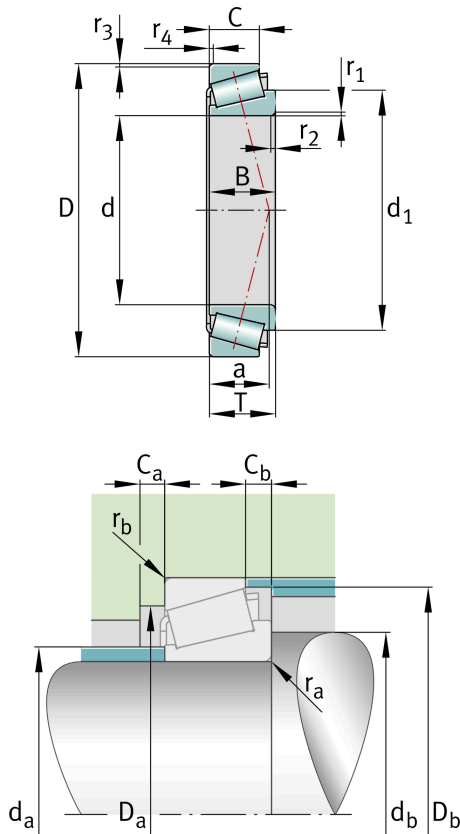
FAG

32905

Tapered roller bearing

Tapered roller bearings 329, 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	42 mm	Outside diameter
B	12 mm	Width, inner ring
C	9 mm	Width, outer ring
T	12 mm	Width, total
C_r	16,700 N	Basic dynamic load rating, radial
C_{0r}	21,300 N	Basic static load rating, radial
C_{ur}	2,100 N	Fatigue load limit, radial
n_G	18,100 1/min	Limiting speed
n_{gr}	9,700 1/min	Thermal speed rating
$\approx m$	0.067 kg	Weight

Mounting dimensions

$d_{a \max}$	29 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	30 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	37 mm	Minimum diameter of housing shoulder
$D_{b \min}$	39 mm	Minimum diameter of housing shoulder
$C_{a \min}$	2 mm	Minimum axial space
$C_{b \min}$	3 mm	Minimum axial space
$r_{a \max}$	0.3 mm	Maximum fillet radius of shaft
$r_{b \max}$	0.3 mm	Maximum fillet radius of housing

Dimensions

$r_{1,2 \min}$	0.3 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \min}$	0.3 mm	Minimum chamfer dimension of outer ring back face
a	9 mm	Distance between the apexes of the pressure cones
d_1	34.6 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	0.32	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y	1.88	Dynamic axial load factor
Y_0	1.04	Static axial load factor

Additional information

T2BD025	Comparative designation to ISO 10317 and ISO 355
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