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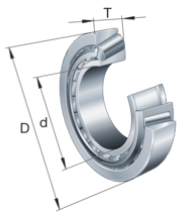


FAG

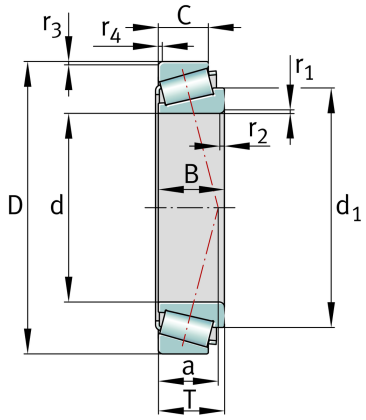
32318-A

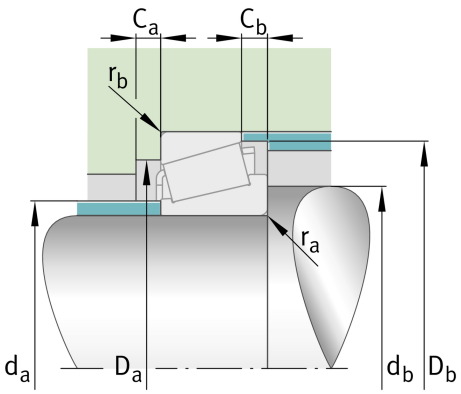
Tapered roller bearing

Schaeffler ID:
0167131330000

Tapered roller bearings 323, main dimensions to DIN ISO 355 / DIN 720, separable, adjusted or in pairs

Technical information





Main Dimensions & Performance Data

d	90 mm	Bore diameter
D	190 mm	Outside diameter
B	64 mm	Width, inner ring
C	53 mm	Width, outer ring
T	67,5 mm	Width, total
C_r	485.000 N	Basic dynamic load rating, radial
C_{0r}	660.000 N	Basic static load rating, radial
C_{ur}	77.000 N	Fatigue load limit, radial
n_G	3.700 1/min	Limiting speed
$n_{\vartheta r}$	2.750 1/min	Thermal speed rating
	8,747 kg	Weight

Dimensions

	T2GD090	Comparative designation to ISO 10317 and ISO 355
$r_{1, 2\ min}$	4 mm	Minimum chamfer dimension of inner ring back face
$r_{3, 4\ min}$	3 mm	Minimum chamfer dimension of outer ring back face
a	47 mm	Distance between the apexes of the pressure cones
d_1	137,4 mm	Guidance rib diameter of inner ring

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Mounting dimensions

$d_{a\ max}$	108 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	104 mm	Minimum diameter of shaft shoulder
$D_{a\ min}$	157 mm	Minimum diameter of housing shoulder
$D_{a\ max}$	176 mm	Maximum diameter of housing shoulder
$D_{b\ min}$	177 mm	Minimum diameter of housing shoulder
$C_{a\ min}$	8 mm	Minimum axial space
$C_{b\ min}$	14,5 mm	Minimum axial space
$r_{a\ max}$	4 mm	Maximum fillet radius of shaft
$r_{b\ max}$	3 mm	Maximum fillet radius of housing

Calculation factors

e	0,35	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,74	Dynamic axial load factor
Y_0	0,96	Static axial load factor

Temperature range

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