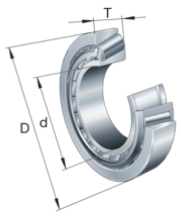
SCHAEFFLER



FAG

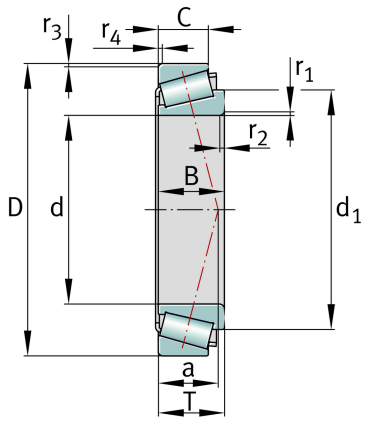
32316-H

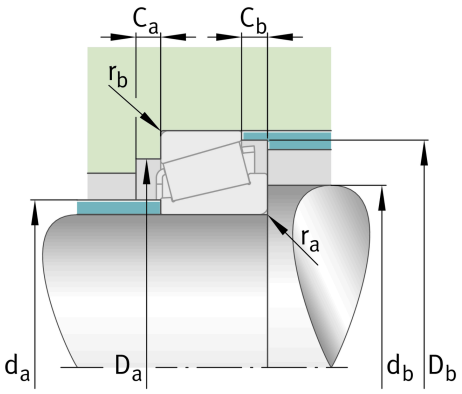
Tapered roller bearing

Schaeffler ID:
0954829970000

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

Technical information





Main Dimensions & Performance Data

d	80 mm	Bore diameter
D	170 mm	Outside diameter
B	58 mm	Width, inner ring
C	48 mm	Width, outer ring
T	61,5 mm	Width, total
C_r	380.000 N	Basic dynamic load rating, radial
C_{0r}	530.000 N	Basic static load rating, radial
C_{ur}	65.000 N	Fatigue load limit, radial
n_G	3.320 1/min	Limiting speed
$n_{\vartheta r}$	3.150 1/min	Thermal speed rating
	6,384 kg	Weight

Mounting dimensions

$d_{a\ max}$	98 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	92 mm	Minimum diameter of shaft shoulder
$D_{a\ max}$	158 mm	Maximum diameter of housing shoulder
$C_{a\ min}$	7 mm	Minimum axial space
$C_{b\ min}$	13,5 mm	Minimum axial space
$r_{a\ max}$	3 mm	Maximum fillet radius of shaft

Dimensions

$r_{1, 2\ min}$	3 mm	Minimum chamfer dimension of inner ring back face
$r_{3, 4\ min}$	2,5 mm	Minimum chamfer dimension of outer ring back face
a	42 mm	Distance between the apexes of the pressure cones
d_1	125,1 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	0,35	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

Additional information

	T2GD075	Comparative designation to ISO 10317 and ISO 355