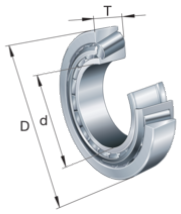


FAG

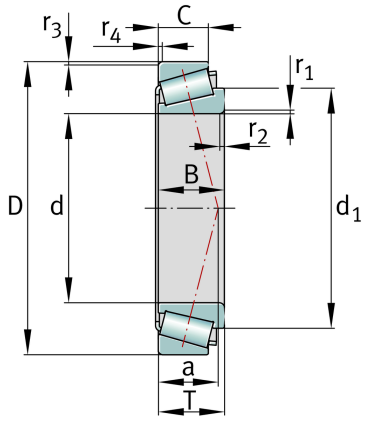
30208-A

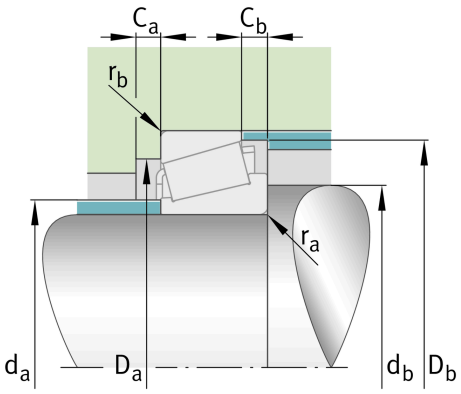
Tapered roller bearing

Schaeffler ID:
0167105250000

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

Technical information





Dimensions

$r_{1, 2\ min}$	1,5 mm	Minimum chamfer dimension of inner ring back face
$r_{3, 4\ min}$	1,5 mm	Minimum chamfer dimension of outer ring back face
a	17 mm	Distance between the apexes of the pressure cones
d_1	58,4 mm	Guidance rib diameter of inner ring
	0,427 kg	Weight

Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	80 mm	Outside diameter
B	18 mm	Width, inner ring
C	16 mm	Width, outer ring
T	19,75 mm	Width, total
C_r	61.000 N	Basic dynamic load rating, radial
C_{0r}	67.000 N	Basic static load rating, radial
C_{ur}	7.800 N	Fatigue load limit, radial
n_G	9.600 1/min	Limiting speed
$n_{\vartheta r}$	5.900 1/min	Thermal speed rating

Mounting dimensions

$d_{a\ max}$	49 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	47 mm	Minimum diameter of shaft shoulder
$D_{a\ min}$	69 mm	Minimum diameter of housing shoulder
$D_{a\ max}$	73 mm	Maximum diameter of housing shoulder
$D_{b\ min}$	74 mm	Minimum diameter of housing shoulder
$C_{a\ min}$	3 mm	Minimum axial space
$C_{b\ min}$	3,5 mm	Minimum axial space
$r_{a\ max}$	1,5 mm	Maximum fillet radius of shaft
$r_{b\ max}$	1,5 mm	Maximum fillet radius of housing

Calculation factors

e	0,37	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,6	Dynamic axial load factor
Y_0	0,88	Static axial load factor

Additional information

	T3DB040	Comparative designation to ISO 10317 and ISO 355

Temperature range

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