SCHAEFFLER

FAG

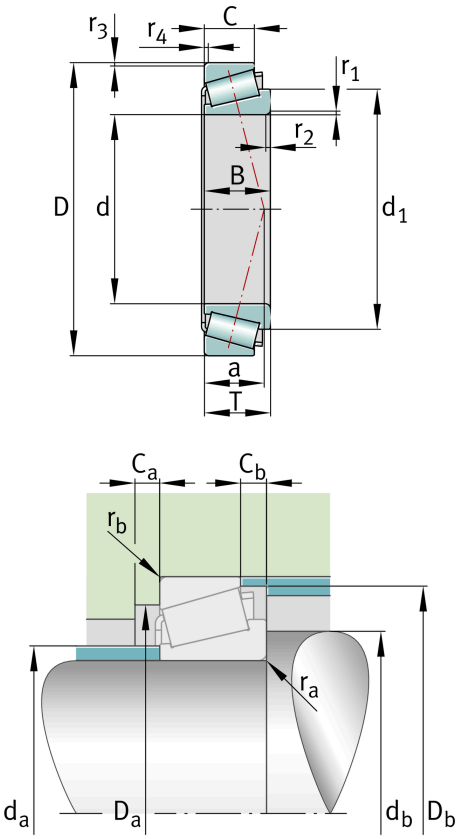
30207-H

Tapered roller bearing

Schaeffler ID:
0953900900000

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

Technical information



Main Dimensions & Performance Data

d	35 mm	Bore diameter
D	72 mm	Outside diameter
B	17 mm	Width, inner ring
C	15 mm	Width, outer ring
T	18,25 mm	Width, total
C_r	51.300 N	Basic dynamic load rating, radial
C_{0r}	59.000 N	Basic static load rating, radial
C_{ur}	6.900 N	Fatigue load limit, radial
n_G	8.560 1/min	Limiting speed
$n_{\vartheta r}$	6.400 1/min	Thermal speed rating
	0,332 kg	${Weight}

Mounting dimensions

$d_{a\ max}$	44 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	42 mm	Minimum diameter of shaft shoulder
$D_{a\ min}$	62 mm	Minimum diameter of housing shoulder
$D_{a\ max}$	65 mm	Maximum diameter of housing shoulder
$D_{b\ min}$	67 mm	Minimum diameter of housing shoulder
$C_{a\ min}$	3 mm	Minimum axial space
$C_{b\ min}$	3 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

SCHAEFFLER

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	15 mm	Distance between the apexes of the pressure cones
d_1	54 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	0,37	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

	T3DB035	Comparative designation to ISO 10317 and ISO 355