



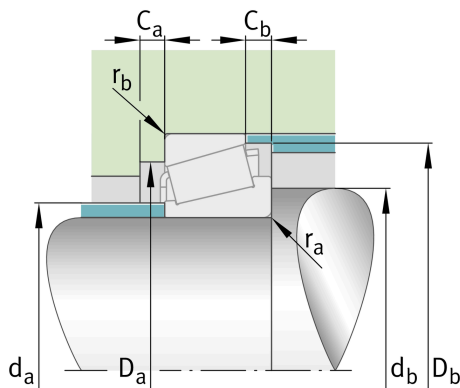
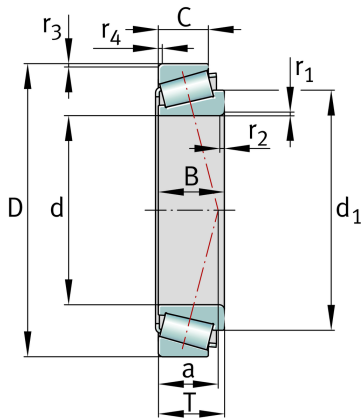
FAG

30211-H

Tapered roller bearing

Schaeffler ID:
0959355330000Tapered roller bearings 302, main
dimensions to DIN ISO 355 / DIN 720,
separable, adjusted or in pairs

Technical information

**Main Dimensions & Performance Data**

d	55 mm	Bore diameter
D	100 mm	Outside diameter
B	21 mm	Width, inner ring
C	18 mm	Width, outer ring
T	22,75 mm	Width, total
C_r	86.500 N	Basic dynamic load rating, radial
C_{0r}	107.000 N	Basic static load rating, radial
C_{ur}	12.500 N	Fatigue load limit, radial
n_G	5.920 1/min	Limiting speed
n_{gr}	4.600 1/min	Thermal speed rating
$\approx m$	0,73 kg	Weight

Mounting dimensions

$d_{a \max}$	64 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	64 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	88 mm	Minimum diameter of housing shoulder
$D_{a \max}$	91 mm	Maximum diameter of housing shoulder
$D_{b \min}$	94 mm	Minimum diameter of housing shoulder
$C_{a \min}$	4 mm	Minimum axial space
$C_{b \min}$	4,5 mm	Minimum axial space
$r_{a \max}$	2 mm	Maximum fillet radius of shaft
$r_{b \max}$	1,5 mm	Maximum fillet radius of housing

Dimensions

$r_{1,2 \text{ min}}$	2 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \text{ min}}$	1,5 mm	Minimum chamfer dimension of outer ring back face
a	21 mm	Distance between the apexes of the pressure cones
d_1	78,4 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	0,4	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y	1,48	Dynamic axial load factor
Y_0	0,81	Static axial load factor

Additional information

	T3DB055	Comparative designation to ISO 10317 and ISO 355
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