



FAG

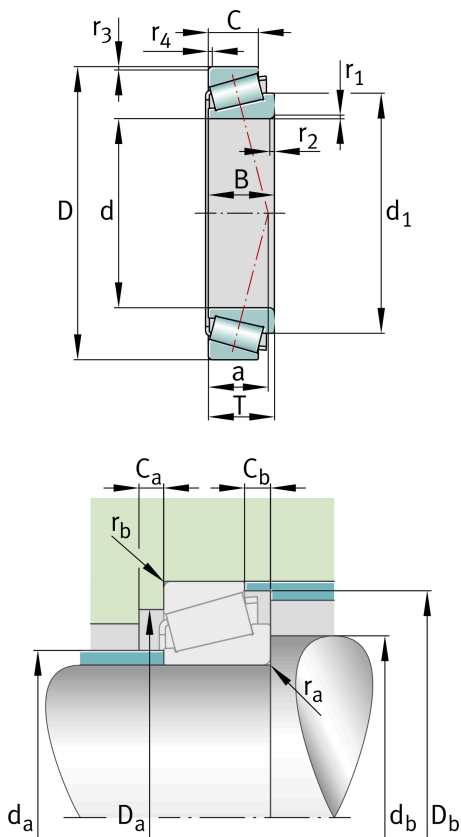
30324-XL

Tapered roller bearing

Schaeffler ID:
0933822270000Tapered roller bearings 303, main
dimensions to DIN ISO 355 / DIN 720,
separable, adjusted or in pairs

X-life

Technical information



Main Dimensions & Performance Data

d	120.00 mm	Bore diameter
D	260.00 mm	Outside diameter
B	55.00 mm	Width, inner ring
C	46.00 mm	Width, outer ring
T	59.50 mm	Width, total
C_r	660,000.00 N	Basic dynamic load rating, radial
C_{0r}	700,000.00 N	Basic static load rating, radial
C_{ur}	94,000.00 N	Fatigue load limit, radial
n_G	3,400.00 1/min	Limiting speed
n_{gr}	2,150.00 1/min	Thermal speed rating
	14.00 kg	Weight

Mounting dimensions

$d_{a \max}$	152.00 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	134.00 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	246.00 mm	Maximum diameter of housing shoulder
$C_{a \min}$	10.00 mm	Minimum axial space
$C_{b \min}$	13.50 mm	Minimum axial space
$r_{a \max}$	4.00 mm	Maximum fillet radius of shaft

Dimensions

$r_{1, 2 \min}$	4.00 mm	Minimum chamfer dimension of inner ring back face
$r_{3, 4 \min}$	3.00 mm	Minimum chamfer dimension of outer ring back face
a	48.00 mm	Distance between the apexes of the pressure cones
d_1	179.50 mm	Guidance rib diameter of inner ring

Temperature range

T_{\min}	-30.00 °C	Operating temperature min.
T_{\max}	200.00 °C	Operating temperature max.

Calculation factors

e	0.35	Limiting value of F_a/F_r 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

	T2GB120	Comparative designation to ISO 10317 and ISO 355
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