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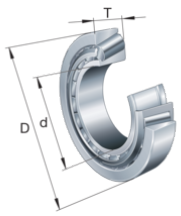


FAG

★ 30324-XL

Tapered roller bearing

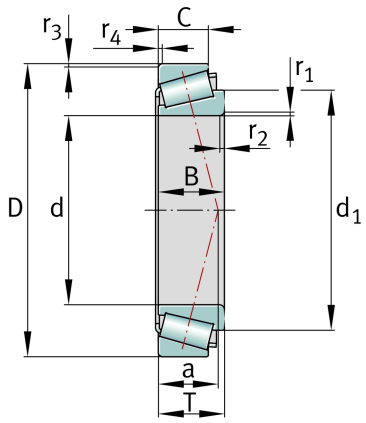
Schaeffler ID:
0933822270000

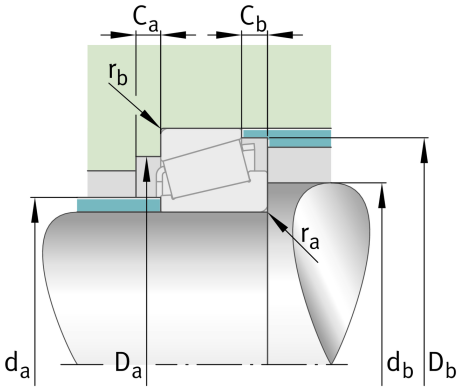
★ Preferred product

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

X-life

Technical information





Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.
	14 kg	Weight

Main Dimensions & Performance Data

d	120 mm	Bore diameter
D	260 mm	Outside diameter
B	55 mm	Width, inner ring
C	46 mm	Width, outer ring
T	59,5 mm	Width, total
C_r	660.000 N	Basic dynamic load rating, radial
C_{0r}	700.000 N	Basic static load rating, radial
C_{ur}	94.000 N	Fatigue load limit, radial
n_G	3.100 1/min	Limiting speed
$n_{\vartheta r}$	2.150 1/min	Thermal speed rating

Dimensions

$r_{1, 2\ min}$	4 mm	Minimum chamfer dimension of inner ring back face
$r_{3, 4\ min}$	3 mm	Minimum chamfer dimension of outer ring back face
a	48 mm	Distance between the apexes of the pressure cones
d_1	179,5 mm	Guidance rib diameter of inner ring

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Mounting dimensions

$d_{a\ max}$	152 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	134 mm	Minimum diameter of shaft shoulder
$D_{a\ min}$	221 mm	Minimum diameter of housing shoulder
$D_{a\ max}$	246 mm	Maximum diameter of housing shoulder
$D_{b\ min}$	237 mm	Minimum diameter of housing shoulder
$C_{a\ min}$	10 mm	Minimum axial space
$C_{b\ min}$	13,5 mm	Minimum axial space
$r_{a\ max}$	4 mm	Maximum fillet radius of shaft
$r_{b\ max}$	3 mm	Maximum fillet radius of housing

Calculation factors

	T2GB120	Comparative designation to ISO 10317 and ISO 355
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