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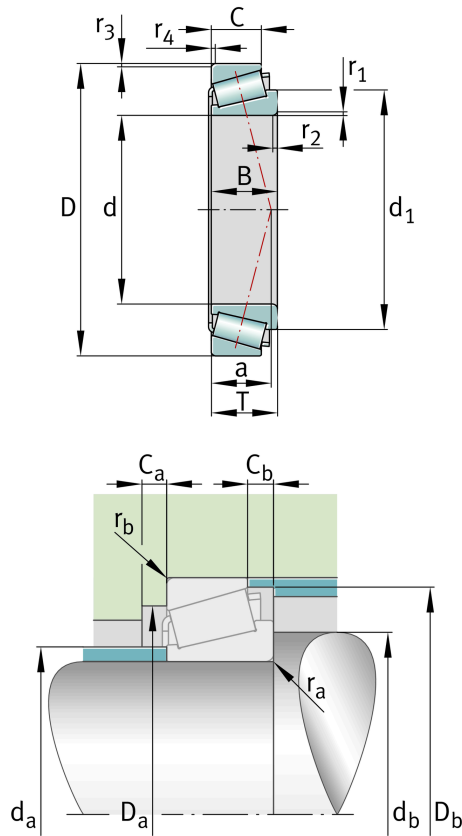
33114-H

Tapered roller bearing

Schaeffler ID:
0957002420000

Tapered roller bearings 331, main dimensions to DIN ISO 355 / DIN 720, separable, adjusted or in pairs

Technical information

**Main Dimensions & Performance Data**

d	70 mm	Bore diameter
D	120 mm	Outside diameter
B	37 mm	Width, inner ring
C	29 mm	Width, outer ring
T	37 mm	Width, total
C_r	165.000 N	Basic dynamic load rating, radial
C_{0r}	260.000 N	Basic static load rating, radial
C_{ur}	33.500 N	Fatigue load limit, radial
n_G	4.560 1/min	Limiting speed
n_{gr}	3.500 1/min	Thermal speed rating
	1,71 kg	Weight

Mounting dimensions

$d_{a \max}$	79 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	79 mm	Minimum diameter of shaft shoulder
$D_{a \max}$	111 mm	Maximum diameter of housing shoulder
$C_{a \min}$	6 mm	Minimum axial space
$C_{b \min}$	8 mm	Minimum axial space
$r_{a \max}$	2 mm	Maximum fillet radius of shaft

Dimensions

$r_{1,2 \min}$	2 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	28 mm	Distance between the apexes of the pressure cones
d_1	98,4 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	0,38	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,58	Dynamic axial load factor
Y ₀	0,87	Static axial load factor

Additional information

T3DE070	Comparative designation to ISO 10317 and ISO 355
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