



FAG

★ 33013-XL

Tapered roller bearing

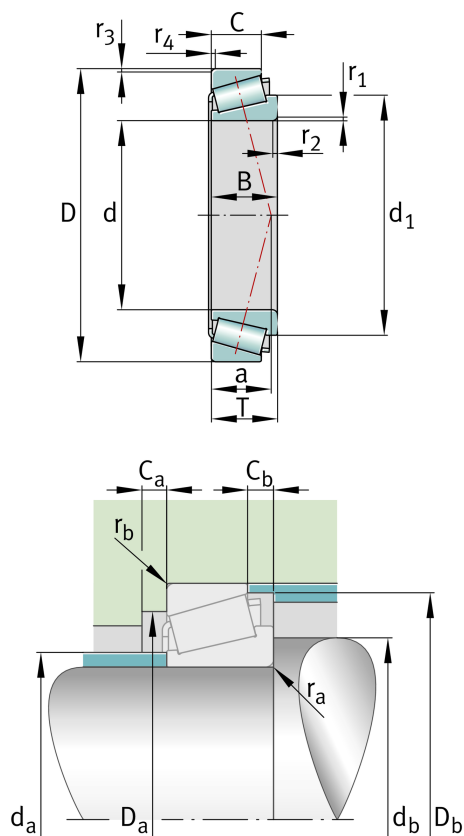
Schaeffler ID:
0926487110000

Tapered roller bearings 330, main dimensions to DIN ISO 355 / DIN 720, separable, adjusted or in pairs

★ Preferred product

X-life

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.
	0,76 kg	Weight

Main Dimensions & Performance Data

d	65 mm	Bore diameter
D	100 mm	Outside diameter
B	27 mm	Width, inner ring
C	21 mm	Width, outer ring
T	27 mm	Width, total
C_r	118 000 N	Basic dynamic load rating, radial
C_{0r}	161 000 N	Basic static load rating, radial
C_{ur}	27 000 N	Fatigue load limit, radial
n_G	7 600 1/min	Limiting speed
n_{gr}	4 300 1/min	Thermal speed rating

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	21 mm	Distance between the apices of the pressure cones
d_1	83,8 mm	Guidance rib diameter of inner ring

Mounting dimensions

$d_{a \max}$	72 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	72 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	89 mm	Minimum diameter of housing shoulder
$D_{a \max}$	93 mm	Maximum diameter of housing shoulder
$D_{b \min}$	96 mm	Minimum diameter of housing shoulder
$C_{a \min}$	5 mm	Minimum axial space
$C_{b \min}$	6 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

Calculation factors

	T2CE065	Comparative designation to ISO 10317 and ISO 355
e	0,35	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y	1,72	Dynamic axial load factor
Y_0	0,95	Static axial load factor