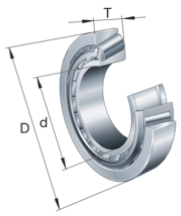
SCHAEFFLER



FAG

32012-X-XL

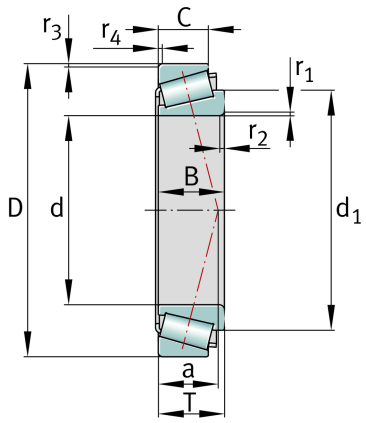
Tapered roller bearing

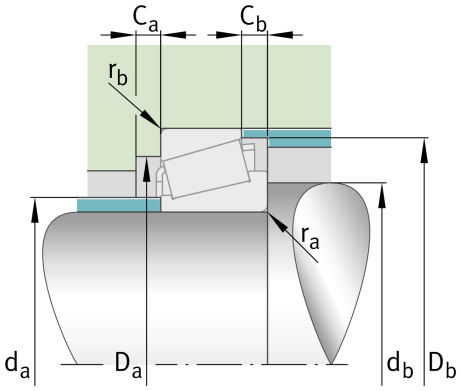
Schaeffler ID:
0792063600000

Tapered roller bearings 320, main dimensions to DIN ISO 355 / DIN 720, separable, adjusted or in pairs

X-life

Technical information





Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	95 mm	Outside diameter
B	23 mm	Width, inner ring
C	17,5 mm	Width, outer ring
T	23 mm	Width, total
C_r	97.000 N	Basic dynamic load rating, radial
C_{0r}	124.000 N	Basic static load rating, radial
C_{ur}	20.100 N	Fatigue load limit, radial
n_G	8.000 1/min	Limiting speed
$n_{\vartheta r}$	4.350 1/min	Thermal speed rating
	0,62 kg	Weight

Dimensions

	T4CC060	Comparative designation to ISO 10317 and ISO 355
$r_{1, 2\ min}$	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 apexes of the pressure cones
d_1	79,6 mm	Guidance rib diameter of inner ring

SCHAEFFLER

Mounting dimensions

$d_{a\ max}$	67 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	67 mm	Minimum diameter of shaft shoulder
$D_{a\ min}$	85 mm	Minimum diameter of housing shoulder
$D_{a\ max}$	88 mm	Maximum diameter of housing shoulder
$D_{b\ min}$	91 mm	Minimum diameter of housing shoulder
$C_{a\ min}$	4 mm	Minimum axial space
$C_{b\ min}$	5,5 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

e	0,43	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1,39	Dynamic axial load factor
Y_0	0,77	Static axial load factor

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	120 °C	Operating temperature max.