



FAG

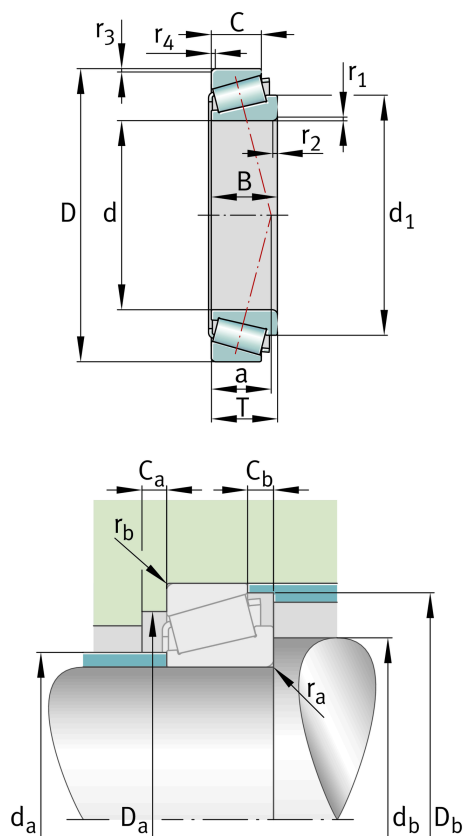
33215-XL

Tapered roller bearing

Schaeffler ID:
0793307030000Tapered roller bearings 332, main
dimensions to DIN ISO 355 / DIN 720,
separable, adjusted or in pairs

X-life

Technical information



Main Dimensions & Performance Data

d	75 mm	Bore diameter
D	130 mm	Outside diameter
B	41 mm	Width, inner ring
C	31 mm	Width, outer ring
T	41 mm	Width, total
C_r	245,000 N	Basic dynamic load rating, radial
C_{0r}	310,000 N	Basic static load rating, radial
C_{ur}	52,000 N	Fatigue load limit, radial
n_G	6,300 1/min	Limiting speed
n_{gr}	3,350 1/min	Thermal speed rating
	2.27 kg	Weight

Dimensions

$r_{1,2 \text{ min}}$	2 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \text{ min}}$	1.5 mm	Minimum chamfer dimension of outer ring back face
a	32 mm	Distance between the apices of the pressure cones
d_1	103.9 mm	Guidance rib diameter of inner ring

Mounting dimensions

$d_{a \max}$	83 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	84 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	111 mm	Minimum diameter of housing shoulder
$D_{a \max}$	121 mm	Maximum diameter of housing shoulder
$D_{b \min}$	125 mm	Minimum diameter of housing shoulder
$C_{a \min}$	7 mm	Minimum axial space
$C_{b \min}$	10 mm	Minimum axial space
$r_{a \max}$	2 mm	Maximum fillet radius of shaft
$r_{b \max}$	1.5 mm	Maximum fillet radius of housing

Calculation factors

	T3EE075	Comparative designation to ISO 10317 and ISO 355
e	0.43	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y	1.4	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.