

FAG

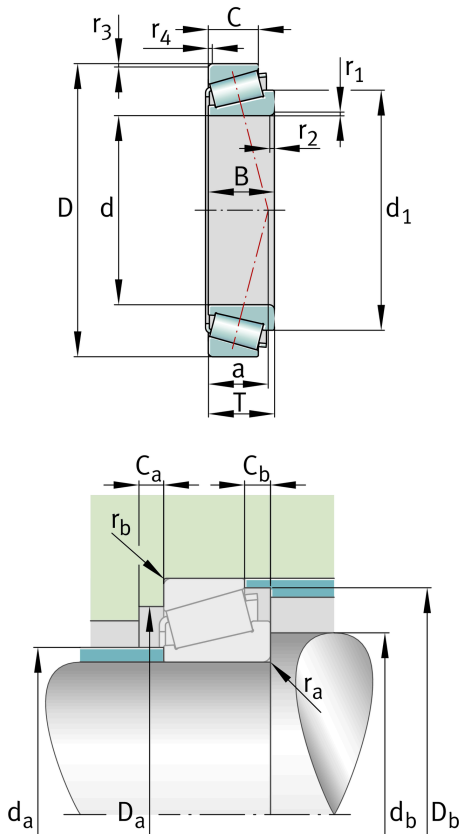
32234-XL

Tapered roller bearing

Schaeffler ID:
0866336350000Tapered roller bearings 322, main
dimensions to DIN ISO 355 / DIN 720,
separable, adjusted or in pairs

X-life

Technical information



Main Dimensions & Performance Data

d	170 mm	Bore diameter
D	310 mm	Outside diameter
B	86 mm	Width, inner ring
C	71 mm	Width, outer ring
T	91 mm	Width, total
C_r	1,160,000 N	Basic dynamic load rating, radial
C_{0r}	1,560,000 N	Basic static load rating, radial
C_{ur}	207,000 N	Fatigue load limit, radial
n_G	2,600 1/min	Limiting speed
n_{gr}	1,310 1/min	Thermal speed rating
	28.34 kg	Weight

Dimensions

$r_{1,2 \min}$	5 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \min}$	4 mm	Minimum chamfer dimension of outer ring back face
a	74 mm	Distance between the apices of the pressure cones
d_1	237 mm	Guidance rib diameter of inner ring

Mounting dimensions

$d_{a \max}$	196 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	188 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	259 mm	Minimum diameter of housing shoulder
$D_{a \max}$	292 mm	Maximum diameter of housing shoulder
$D_{b \min}$	294 mm	Minimum diameter of housing shoulder
$C_{a \min}$	10 mm	Minimum axial space
$C_{b \min}$	20 mm	Minimum axial space
$r_{a \max}$	5 mm	Maximum fillet radius of shaft
$r_{b \max}$	4 mm	Maximum fillet radius of housing

Calculation factors

	T4GD170	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	1.38	Dynamic axial load factor
Y_0	0.76	Static axial load factor

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	200 °C	Operating temperature max.