



FAG

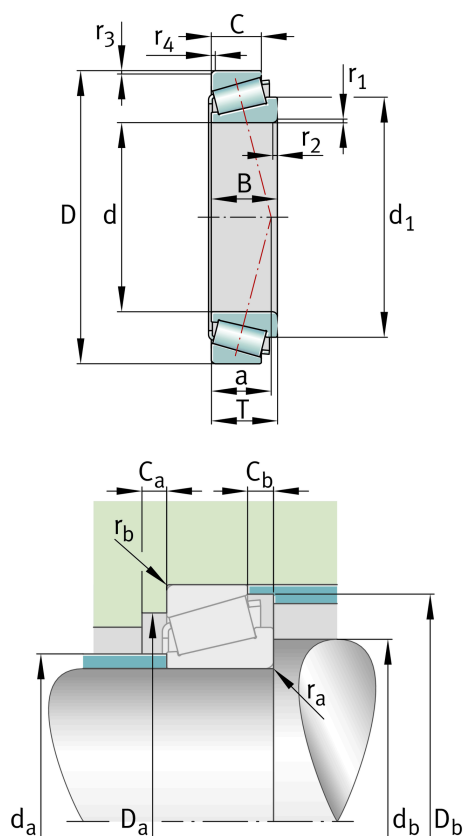
32215-A

Tapered roller bearing

Schaeffler ID:
0167127060000

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

Technical information

**Main Dimensions & Performance Data**

d	75 mm	Bore diameter
D	130 mm	Outside diameter
B	31 mm	Width, inner ring
C	27 mm	Width, outer ring
T	33.25 mm	Width, total
C_r	170,000 N	Basic dynamic load rating, radial
C_{0r}	227,000 N	Basic static load rating, radial
C_{ur}	28,500 N	Fatigue load limit, radial
n_G	5,400 1/min	Limiting speed
n_{gr}	3,250 1/min	Thermal speed rating
	1.733 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	30 mm	Distance between the apexes of the pressure cones
d_1	101.6 mm	Guidance rib diameter of inner ring

Mounting dimensions

$d_{a \text{ max}}$	85 mm	Maximum diameter of shaft shoulder
$d_{b \text{ min}}$	84 mm	Minimum diameter of shaft shoulder
$D_{a \text{ min}}$	115 mm	Minimum diameter of housing shoulder
$D_{a \text{ max}}$	121 mm	Maximum diameter of housing shoulder
$D_{b \text{ min}}$	124 mm	Minimum diameter of housing shoulder
$C_{a \text{ min}}$	4 mm	Minimum axial space
$C_{b \text{ min}}$	6 mm	Minimum axial space
$r_{a \text{ max}}$	2 mm	Maximum fillet radius of shaft
$r_{b \text{ max}}$	1.5 mm	Maximum fillet radius of housing

Calculation factors

	T4DC075	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}	120 °C	Operating temperature max.