

FAG

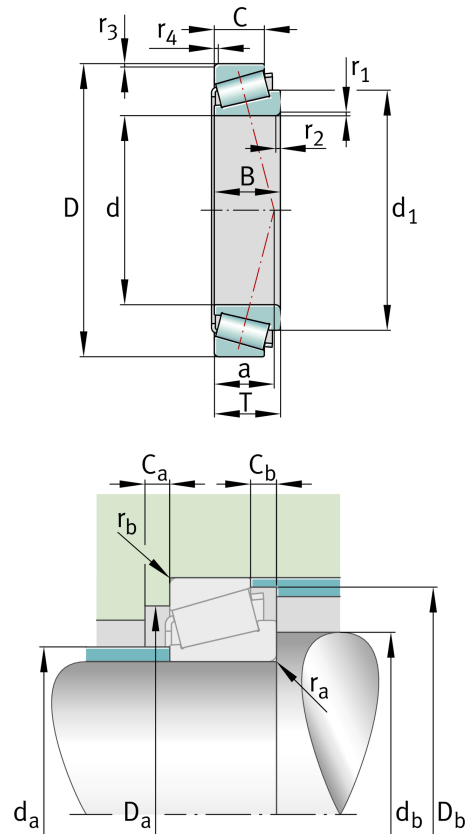
★ 33209

Tapered roller bearing

Schaeffler ID:  
0167140320000Tapered roller bearings 332, main  
dimensions to DIN ISO 355 / DIN 720,  
separable, adjusted or in pairs

★ Preferred product

## Technical information



## Main Dimensions &amp; Performance Data

d	45 mm	Bore diameter
D	85 mm	Outside diameter
B	32 mm	Width, inner ring
C	25 mm	Width, outer ring
T	32 mm	Width, total
$C_r$	107.000 N	Basic dynamic load rating, radial
$C_{0r}$	146.000 N	Basic static load rating, radial
$C_{ur}$	18.700 N	Fatigue load limit, radial
$n_G$	8.200 1/min	Limiting speed
$n_{gr}$	5.200 1/min	Thermal speed rating
	0,8 kg	Weight

## Dimensions

$r_{1,2 \text{ min}}$	1,5 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	22 mm	Distance between the apexes of the pressure cones
$d_1$	66,2 mm	Guidance rib diameter of inner ring

## Mounting dimensions

$d_{a \text{ max}}$	52 mm	Maximum diameter of shaft shoulder
$d_{b \text{ min}}$	52 mm	Minimum diameter of shaft shoulder
$D_{a \text{ min}}$	72 mm	Minimum diameter of housing shoulder
$D_{a \text{ max}}$	78 mm	Maximum diameter of housing shoulder
$D_{b \text{ min}}$	81 mm	Minimum diameter of housing shoulder
$C_{a \text{ min}}$	5 mm	Minimum axial space
$C_{b \text{ min}}$	7 mm	Minimum axial space
$r_{a \text{ max}}$	1,5 mm	Maximum fillet radius of shaft
$r_{b \text{ max}}$	1,5 mm	Maximum fillet radius of housing

**Temperature range**

e	0,39	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
T <sub>min</sub>	-30 °C	Operating temperature min.
Y	1,56	Dynamic axial load factor
T <sub>max</sub>	120 °C	Operating temperature max.
Y <sub>0</sub>	0,86	Static axial load factor

**Additional information**

T3DE045	Comparative designation to ISO 10317 and ISO 355
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