



FAG

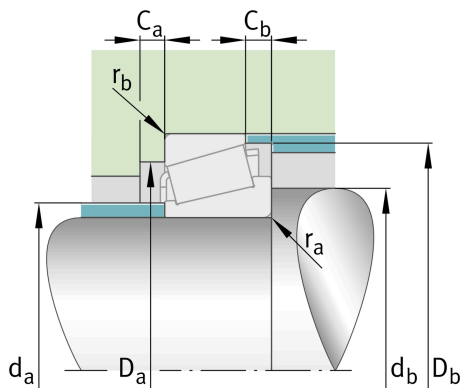
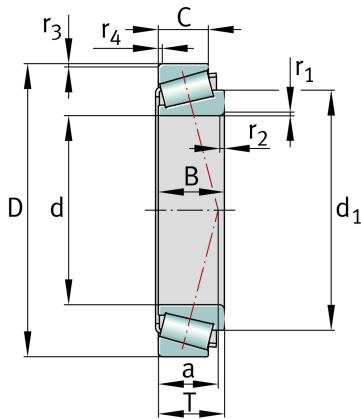
**33019-H**

Tapered roller bearing

Schaeffler ID:  
0959178700000

Tapered roller bearings 330, main dimensions to DIN ISO 355 / DIN 720, separable, adjusted or in pairs

## Technical information

**Main Dimensions & Performance Data**

d	95 mm	Bore diameter
D	145 mm	Outside diameter
B	39 mm	Width, inner ring
C	32.5 mm	Width, outer ring
T	39 mm	Width, total
$C_r$	210,000 N	Basic dynamic load rating, radial
$C_{0r}$	380,000 N	Basic static load rating, radial
$C_{ur}$	47,500 N	Fatigue load limit, radial
$n_G$	3,680 1/min	Limiting speed
$n_{gr}$	3,000 1/min	Thermal speed rating
$\approx m$	2.32 kg	Weight

**Mounting dimensions**

$d_{a \max}$	104 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	104 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	131 mm	Minimum diameter of housing shoulder
$D_{a \max}$	136 mm	Maximum diameter of housing shoulder
$D_{b \min}$	139 mm	Minimum diameter of housing shoulder
$C_{a \min}$	7 mm	Minimum axial space
$C_{b \min}$	6.5 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

### 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	29 mm	Distance between the apexes of the pressure cones
$d_1$	123.2 mm	Guidance rib diameter of inner ring

### Temperature range

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

### Calculation factors

e	0.28	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
Y	2.16	Dynamic axial load factor
$Y_0$	1.19	Static axial load factor

### Additional information

	T2CE095	Comparative designation to ISO 10317 and ISO 355
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