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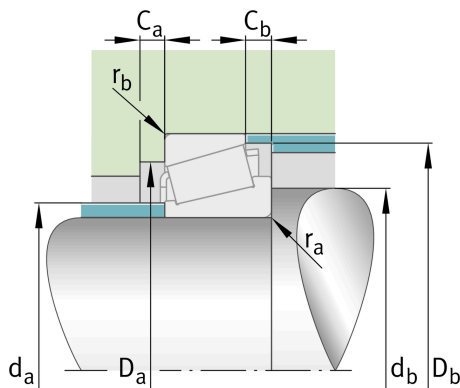
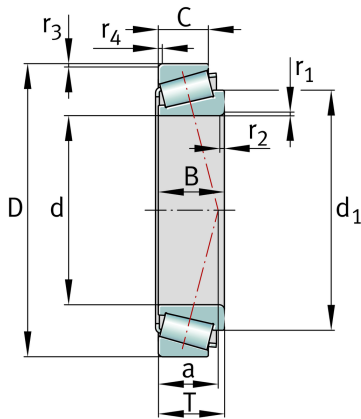
**31305-A**

Tapered roller bearing

Schaeffler ID:  
0167110760000

Tapered roller bearings 313, main dimensions to DIN ISO 355 / DIN 720, separable, adjusted or in pairs

## Technical information

**Main Dimensions & Performance Data**

d	25 mm	Bore diameter
D	62 mm	Outside diameter
B	17 mm	Width, inner ring
C	13 mm	Width, outer ring
T	18,25 mm	Width, total
$C_r$	37.000 N	Basic dynamic load rating, radial
$C_{0r}$	38.500 N	Basic static load rating, radial
$C_{ur}$	4.200 N	Fatigue load limit, radial
$n_G$	12.000 1/min	Limiting speed
$n_{gr}$	7.100 1/min	Thermal speed rating
	264,13 g	{Weight}

**Mounting dimensions**

$d_{a \max}$	34 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	32 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	47 mm	Minimum diameter of housing shoulder
$D_{a \max}$	55 mm	Maximum diameter of housing shoulder
$D_{b \min}$	59 mm	Minimum diameter of housing shoulder
$C_{a \min}$	3 mm	Minimum axial space
$C_{b \min}$	5 mm	Minimum axial space
$r_{a \max}$	1,5 mm	Maximum fillet radius of shaft
$r_{b \max}$	1,5 mm	Maximum fillet radius of housing

### 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
$a$	21 mm	Distance between the apexes of the pressure cones
$d_1$	46,3 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

$e$	0,83	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y$	0,73	Dynamic axial load factor
$Y_0$	0,4	Static axial load factor

### Additional information

	T7FB025	Comparative designation to ISO 10317 and ISO 355
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