

FAG

## ★ 30205-XL

Tapered roller bearing

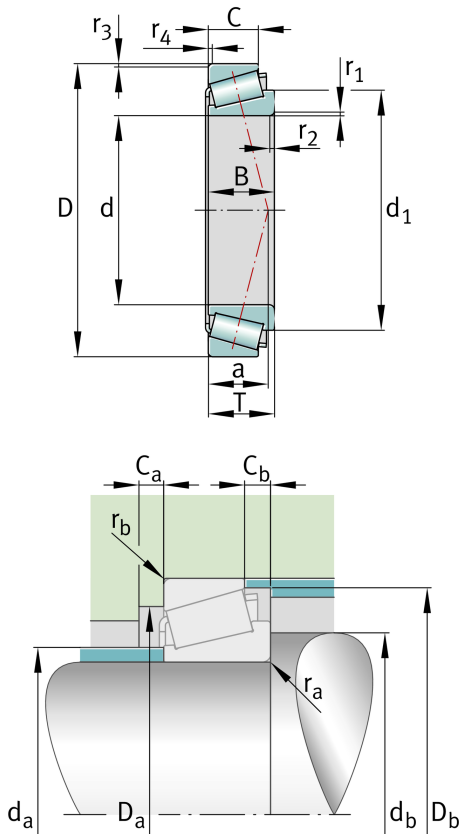
Schaeffler ID:  
0783644850000

★ Preferred product

Tapered roller bearings 302, main dimensions to DIN ISO 355 / DIN 720, separable, adjusted or in pairs

X-life

## Technical information



## Main Dimensions &amp; Performance Data

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	15 mm	Width, inner ring
C	13 mm	Width, outer ring
T	16,25 mm	Width, total
$C_r$	38 500 N	Basic dynamic load rating, radial
$C_{0r}$	35 500 N	Basic static load rating, radial
$C_{ur}$	5 200 N	Fatigue load limit, radial
$n_G$	16 400 1/min	Limiting speed
$n_{gr}$	9 100 1/min	Thermal speed rating
	0,152 kg	Weight

## Dimensions

$r_{1,2 \text{ min}}$	1 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \text{ min}}$	1 mm	Minimum chamfer dimension of outer ring back face
a	13 mm	Distance between the apices of the pressure cones
$d_1$	38,5 mm	Guidance rib diameter of inner ring

### Mounting dimensions

$d_{a \max}$	31 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	31 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	44 mm	Minimum diameter of housing shoulder
$D_{a \max}$	46 mm	Maximum diameter of housing shoulder
$D_{b \min}$	48 mm	Minimum diameter of housing shoulder
$C_{a \min}$	2 mm	Minimum axial space
$C_{b \min}$	3 mm	Minimum axial space
$r_{a \max}$	1 mm	Maximum fillet radius of shaft
$r_{b \max}$	1 mm	Maximum fillet radius of housing

### Temperature range

e	0,37	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$T_{\min}$	-30 °C	Operating temperature min.
Y	1,6	Dynamic axial load factor
$T_{\max}$	120 °C	Operating temperature max.
$Y_0$	0,88	Static axial load factor

### Additional information

T3CC025	Comparative designation to ISO 10317 and ISO 355
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