



FAG

## 32208-XL

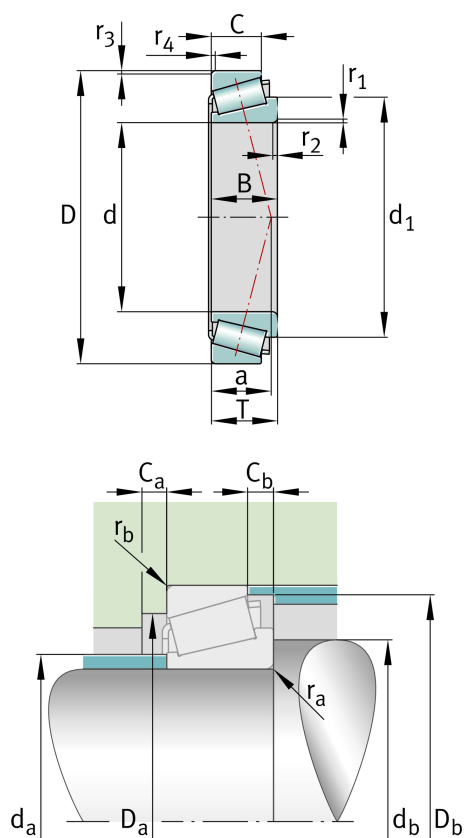
Tapered roller bearing

Schaeffler ID:  
0877662050000

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

X-life

## Technical information



## Main Dimensions &amp; Performance Data

d	40 mm	Bore diameter
D	80 mm	Outside diameter
B	23 mm	Width, inner ring
C	19 mm	Width, outer ring
T	24,75 mm	Width, total
$C_r$	94.000 N	Basic dynamic load rating, radial
$C_{0r}$	94.000 N	Basic static load rating, radial
$C_{ur}$	15.000 N	Fatigue load limit, radial
$n_G$	10.200 1/min	Limiting speed
$n_{gr}$	5.300 1/min	Thermal speed rating
	0,542 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	19 mm	Distance between the apexes of the pressure cones
$d_1$	60 mm	Guidance rib diameter of inner ring

**Mounting dimensions**

$d_{a \max}$	48 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	47 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	68 mm	Minimum diameter of housing shoulder
$D_{a \max}$	73 mm	Maximum diameter of housing shoulder
$D_{b \min}$	75 mm	Minimum diameter of housing shoulder
$C_{a \min}$	3 mm	Minimum axial space
$C_{b \min}$	5,5 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

**Calculation factors**

e	0,37	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
Y	1,6	Dynamic axial load factor
$Y_0$	0,88	Static axial load factor

**Temperature range**

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

**Additional information**

	T3DC040	Comparative designation to ISO 10317 and ISO 355
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