

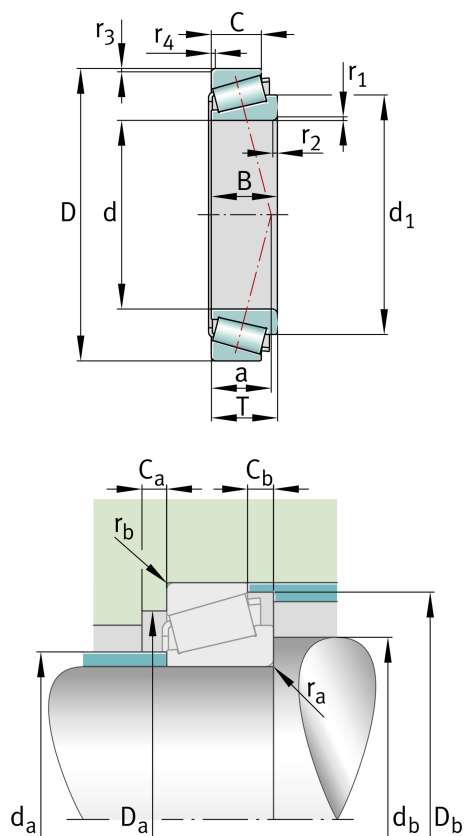
FAG

**30208-A**

Tapered roller bearing

Schaeffler ID:  
0167105250000Tapered roller bearings 302, main  
dimensions to DIN ISO 355 / DIN 720,  
separable, adjusted or in pairs

## Technical information

**Temperature range**

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

**Main Dimensions & Performance Data**

d	40 mm	Bore diameter
D	80 mm	Outside diameter
B	18 mm	Width, inner ring
C	16 mm	Width, outer ring
T	19.75 mm	Width, total
$C_r$	61,000 N	Basic dynamic load rating, radial
$C_{0r}$	67,000 N	Basic static load rating, radial
$C_{ur}$	7,800 N	Fatigue load limit, radial
$n_G$	9,600 1/min	Limiting speed
$n_{gr}$	5,900 1/min	Thermal speed rating

**Dimensions**

$r_{1,2 \min}$	1.5 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \min}$	1.5 mm	Minimum chamfer dimension of outer ring back face
a	17 mm	Distance between the apexes of the pressure cones
$d_1$	58.4 mm	Guidance rib diameter of inner ring

### Mounting dimensions

$d_{a \max}$	49 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	47 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	69 mm	Minimum diameter of housing shoulder
$D_{a \max}$	73 mm	Maximum diameter of housing shoulder
$D_{b \min}$	74 mm	Minimum diameter of housing shoulder
$C_{a \min}$	3 mm	Minimum axial space
$C_{b \min}$	3.5 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

	T3DB040	Comparative designation to ISO 10317 and ISO 355
$e$	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