



FAG

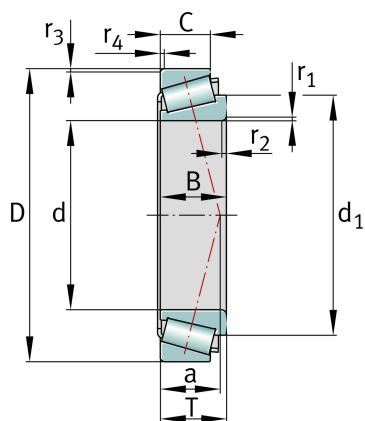
## 30212-XL

Tapered roller bearing

Schaeffler ID:  
0792946770000Tapered 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	60 mm	Bore diameter
D	110 mm	Outside diameter
B	22 mm	Width, inner ring
C	19 mm	Width, outer ring
T	23.75 mm	Width, total
$C_r$	122,000 N	Basic dynamic load rating, radial
$C_{0r}$	123,000 N	Basic static load rating, radial
$C_{ur}$	18,700 N	Fatigue load limit, radial
$n_G$	8,200 1/min	Limiting speed
$n_{gr}$	4,250 1/min	Thermal speed rating
	0.914 kg	Weight

## 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	22 mm	Distance between the apices of the pressure cones
$d_1$	82.4 mm	Guidance rib diameter of inner ring

### Mounting dimensions

$d_{a \max}$	70 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	69 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	96 mm	Minimum diameter of housing shoulder
$D_{a \max}$	101 mm	Maximum diameter of housing shoulder
$D_{b \min}$	103 mm	Minimum diameter of housing shoulder
$C_{a \min}$	4 mm	Minimum axial space
$C_{b \min}$	4.5 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

### Calculation factors

	T3EB060	Comparative designation to ISO 10317 and ISO 355
$e$	0.41	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y$	1.48	Dynamic axial load factor
$Y_0$	0.81	Static axial load factor

### Temperature range

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