



FAG

## 32219-XL

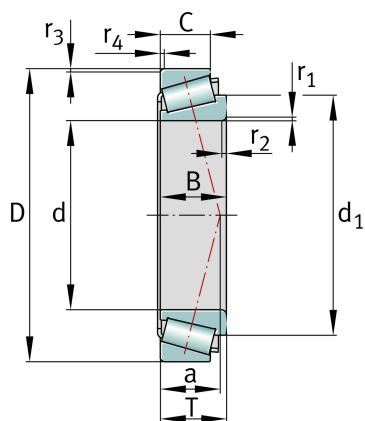
Tapered roller bearing

Schaeffler ID:  
0890763110000

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	95 mm	Bore diameter
D	170 mm	Outside diameter
B	43 mm	Width, inner ring
C	37 mm	Width, outer ring
T	45.5 mm	Width, total
$C_r$	355,000 N	Basic dynamic load rating, radial
$C_{0r}$	420,000 N	Basic static load rating, radial
$C_{ur}$	64,000 N	Fatigue load limit, radial
$n_G$	4,950 1/min	Limiting speed
$n_{gr}$	2,700 1/min	Thermal speed rating
	4.186 kg	Weight

## Dimensions

$r_{1,2 \text{ min}}$	3 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \text{ min}}$	2.5 mm	Minimum chamfer dimension of outer ring back face
a	39 mm	Distance between the apices of the pressure cones
$d_1$	129 mm	Guidance rib diameter of inner ring

**Mounting dimensions**

$d_{a \max}$	108 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	107 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	145 mm	Minimum diameter of housing shoulder
$D_{a \max}$	158 mm	Maximum diameter of housing shoulder
$D_{b \min}$	161 mm	Minimum diameter of housing shoulder
$C_{a \min}$	5 mm	Minimum axial space
$C_{b \min}$	8.5 mm	Minimum axial space
$r_{a \max}$	3 mm	Maximum fillet radius of shaft
$r_{b \max}$	2.5 mm	Maximum fillet radius of housing

**Calculation factors**

	T3FC095	Comparative designation to ISO 10317 and ISO 355
$e$	0.42	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y$	1.43	Dynamic axial load factor
$Y_0$	0.79	Static axial load factor

**Temperature range**

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