



FAG

## 32014-X-XL

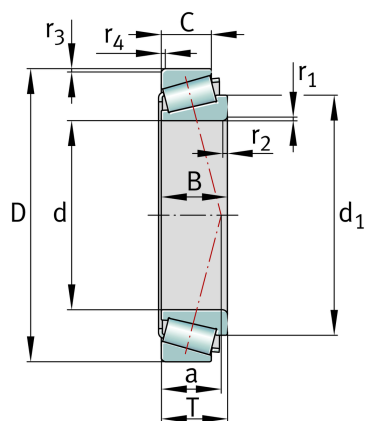
Tapered roller bearing

Schaeffler ID:  
0793050830000

Tapered roller bearings 320, main dimensions to DIN ISO 355 / DIN 720, separable, adjusted or in pairs

X-life

## Technical information



## Main Dimensions &amp; Performance Data

d	70 mm	Bore diameter
D	110 mm	Outside diameter
B	25 mm	Width, inner ring
C	19 mm	Width, outer ring
T	25 mm	Width, total
$C_r$	123,000 N	Basic dynamic load rating, radial
$C_{0r}$	159,000 N	Basic static load rating, radial
$C_{ur}$	26,500 N	Fatigue load limit, radial
$n_G$	7,600 1/min	Limiting speed
$n_{gr}$	3,800 1/min	Thermal speed rating
	0.899 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	24 mm	Distance between the apices of the pressure cones
$d_1$	91.7 mm	Guidance rib diameter of inner ring

### Mounting dimensions

$d_{a \max}$	78 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	77 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	98 mm	Minimum diameter of housing shoulder
$D_{a \max}$	103 mm	Maximum diameter of housing shoulder
$D_{b \min}$	105 mm	Minimum diameter of housing shoulder
$C_{a \min}$	5 mm	Minimum axial space
$C_{b \min}$	6 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

	T4CC070	Comparative designation to ISO 10317 and ISO 355
$e$	0.43	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y$	1.38	Dynamic axial load factor
$Y_0$	0.76	Static axial load factor

### Temperature range

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