



FAG

**32021-X-XL**

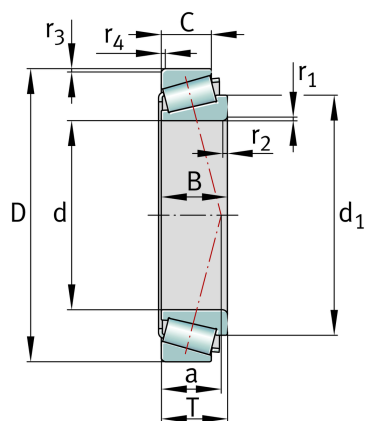
Tapered roller bearing

Schaeffler ID:  
0865076210000

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

X-life

## Technical information

**Main Dimensions & Performance Data**

d	105 mm	Bore diameter
D	160 mm	Outside diameter
B	35 mm	Width, inner ring
C	26 mm	Width, outer ring
T	35 mm	Width, total
$C_r$	238,000 N	Basic dynamic load rating, radial
$C_{0r}$	330,000 N	Basic static load rating, radial
$C_{ur}$	51,000 N	Fatigue load limit, radial
$n_G$	5,100 1/min	Limiting speed
$n_{gr}$	2,800 1/min	Thermal speed rating
	2.362 kg	Weight

**Dimensions**

$r_{1,2 \text{ min}}$	2.5 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \text{ min}}$	2 mm	Minimum chamfer dimension of outer ring back face
a	35 mm	Distance between the apices of the pressure cones
$d_1$	133.7 mm	Guidance rib diameter of inner ring

**Mounting dimensions**

$d_{a \max}$	116 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	115 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	143 mm	Minimum diameter of housing shoulder
$D_{a \max}$	150 mm	Maximum diameter of housing shoulder
$D_{b \min}$	154 mm	Minimum diameter of housing shoulder
$C_{a \min}$	6 mm	Minimum axial space
$C_{b \min}$	9 mm	Minimum axial space
$r_{a \max}$	2.5 mm	Maximum fillet radius of shaft
$r_{b \max}$	2 mm	Maximum fillet radius of housing

**Calculation factors**

	T4DC105	Comparative designation to ISO 10317 and ISO 355
$e$	0.44	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y$	1.35	Dynamic axial load factor
$Y_0$	0.74	Static axial load factor

**Temperature range**

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