



FAG

**32322-A**

Tapered roller bearing

Schaeffler ID:  
0167131680000

Tapered roller bearings 323, main dimensions to DIN ISO 355 / DIN 720, separable, adjusted or in pairs

## Technical information

**Main Dimensions & Performance Data**

d	110 mm	Bore diameter
D	240 mm	Outside diameter
B	80 mm	Width, inner ring
C	65 mm	Width, outer ring
T	84.5 mm	Width, total
$C_r$	740,000 N	Basic dynamic load rating, radial
$C_{0r}$	1,020,000 N	Basic static load rating, radial
$C_{ur}$	129,000 N	Fatigue load limit, radial
$n_G$	2,900 1/min	Limiting speed
$n_{gr}$	2,030 1/min	Thermal speed rating
	17.834 kg	Weight

**Dimensions**

$r_{1,2 \text{ min}}$	4 mm	Minimum chamfer dimension of inner ring back face
$r_{3,4 \text{ min}}$	3 mm	Minimum chamfer dimension of outer ring back face
a	58 mm	Distance between the apexes of the pressure cones
$d_1$	171.5 mm	Guidance rib diameter of inner ring

**Mounting dimensions**

$d_{a \text{ max}}$	137 mm	Maximum diameter of shaft shoulder
$d_{b \text{ min}}$	124 mm	Minimum diameter of shaft shoulder
$D_{a \text{ min}}$	198 mm	Minimum diameter of housing shoulder
$D_{a \text{ max}}$	226 mm	Maximum diameter of housing shoulder
$D_{b \text{ min}}$	222 mm	Minimum diameter of housing shoulder
$C_{a \text{ min}}$	9 mm	Minimum axial space
$C_{b \text{ min}}$	19.5 mm	Minimum axial space
$r_{a \text{ max}}$	4 mm	Maximum fillet radius of shaft
$r_{b \text{ max}}$	3 mm	Maximum fillet radius of housing

**Calculation factors**

	T2GD110	Comparative designation to ISO 10317 and ISO 355
e	0.35	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y	1.74	Dynamic axial load factor
Y <sub>0</sub>	0.96	Static axial load factor

**Temperature range**

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	200 °C	Operating temperature max.