

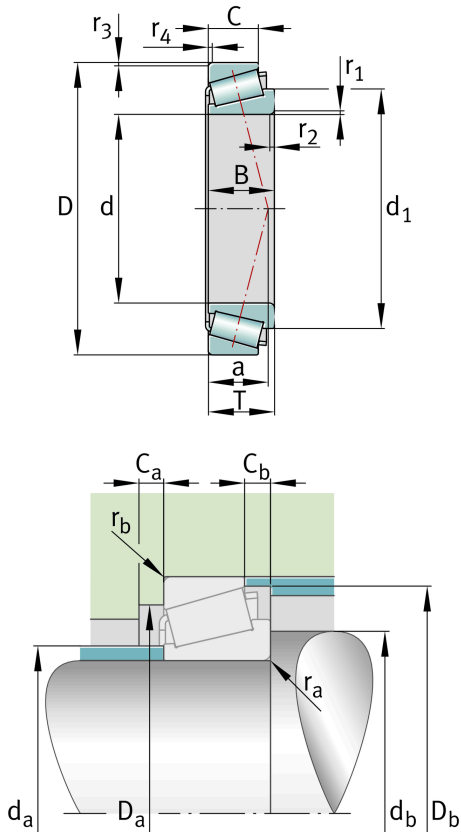
FAG

**32314-H**

Tapered roller bearing

Schaeffler ID:  
0956362930000Tapered roller bearings 323, main  
dimensions to DIN ISO 355 / DIN 720,  
separable, adjusted or in pairs

## Technical information

**Main Dimensions & Performance Data**

d	70 mm	Bore diameter
D	150 mm	Outside diameter
B	51 mm	Width, inner ring
C	42 mm	Width, outer ring
T	54 mm	Width, total
$C_r$	295.000 N	Basic dynamic load rating, radial
$C_{0r}$	405.000 N	Basic static load rating, radial
$C_{ur}$	51.000 N	Fatigue load limit, radial
$n_G$	3.800 1/min	Limiting speed
$n_{gr}$	3.500 1/min	Thermal speed rating
	4,38 kg	Weight

**Mounting dimensions**

$d_{a \max}$	86 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	82 mm	Minimum diameter of shaft shoulder
$D_{a \min}$	125 mm	Minimum diameter of housing shoulder
$D_{a \max}$	138 mm	Maximum diameter of housing shoulder
$D_{b \min}$	140 mm	Minimum diameter of housing shoulder
$C_{a \min}$	6 mm	Minimum axial space
$C_{b \min}$	12 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

e	0,35	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
r <sub>1,2 min</sub>	3 mm	Minimum chamfer dimension of inner ring back face
Y	1,74	Dynamic axial load factor
r <sub>3,4 min</sub>	2,5 mm	Minimum chamfer dimension of outer ring back face
a	37 mm	Distance between the apexes of the pressure cones
Y <sub>0</sub>	0,96	Static axial load factor
d <sub>1</sub>	109,3 mm	Guidance rib diameter of inner ring

### Temperature range

T <sub>min</sub>	-30 °C	Operating temperature min.
T <sub>max</sub>	120 °C	Operating temperature max.