

**FAG****R32319-A**

## Tapered roller bearing

Tapered roller bearings without outer ring  
(Cone) 323, main dimensions acc. to DIN 720

## Technical information



## Your current product variant

Tolerance class	PN	Normal (ISO 492:2023)
Heat treatment	Standard	
Cage	Standard	Sheet steel cage, window cage, roller-guided
Internal design	Standard	
Quality level	Standard	
Number of rows	1	Single-row design

## Main Dimensions &amp; Performance Data

d	95 mm	Bore diameter
B	67 mm	Width, inner ring
C <sub>r</sub>	530.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	710.000 N	Basic static load rating, radial
C <sub>ur</sub>	82.000 N	Fatigue load limit, radial
n <sub>G</sub>	3.500 1/min	Limiting speed
n <sub>gr</sub>	2.550 1/min	Thermal speed rating
≈m	6,65 kg	Weight



### Mounting dimensions

$d_{a \max}$	115 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	109 mm	Minimum diameter of shaft shoulder
$C_{Ra \min}$	12,5 mm	Minimum axial space
$r_{a \max}$	4 mm	Maximum fillet radius of shaft

### Dimensions

$r_{1,2 \min}$	4 mm	Minimum chamfer dimension of inner ring back face
$a$	45 mm	Distance between the apexes of the pressure cones
$d_1$	141 mm	Guidance rib diameter of inner ring
$E_w$	193,208 mm	Outer envelope circle
$\alpha$	12,953 °	Contact angle

### Temperature range

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

### Calculation factors

$e$	0,35	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y$	1,74	Dynamic axial load factor
$Y_0$	0,96	Static axial load factor

### Additional information

T2GD095

Comparative designation to ISO 10317 and ISO 355



### Characteristics

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-  Radial load
-  Axial load in one direction
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed