

**FAG****R32013-X-XL**

Tapered roller bearing

Tapered roller bearings without outer ring  
(Cone) 320, main dimensions acc. to DIN 720**X-life**

## Technical information



## Your current product variant

Tolerance class	P6X	Class 6X (ISO 492:2023)
Heat treatment	Standard	
Cage	Standard	Sheet steel cage, window cage, roller-guided
Quality level	XL	X-life
Number of rows	1	Single-row design

## Main Dimensions &amp; Performance Data

d	65 mm	Bore diameter
B	23 mm	Width, inner ring
$C_r$	100.000 N	Basic dynamic load rating, radial
$C_{0r}$	125.000 N	Basic static load rating, radial
$C_{ur}$	20.800 N	Fatigue load limit, radial
$n_G$	8.300 1/min	Limiting speed
$n_{gr}$	4.150 1/min	Thermal speed rating
$m$	0,458 kg	Weight



### Mounting dimensions

$d_{a \max}$	72 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	72 mm	Minimum diameter of shaft shoulder
$C_{Ra \min}$	4 mm	Minimum axial space
$r_{a \max}$	1,5 mm	Maximum fillet radius of shaft

### Dimensions

$r_{1,2 \min}$	1,5 mm	Minimum chamfer dimension of inner ring back face
$a$	23 mm	Distance between the apexes of the pressure cones
$d_1$	85,1 mm	Guidance rib diameter of inner ring
$E_w$	99,631 mm	Outer envelope circle
$\alpha$	17 °	Contact angle

### Temperature range

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

### Calculation factors

$e$	0,46	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y$	1,31	Dynamic axial load factor
$Y_0$	0,72	Static axial load factor

### Additional information

T4CC065

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