



## Technical information



### Your current product variant

Design	BE	With lose center lip ring
Bore type	Z	Cylindrical
Cage	JPB	Sheet metal cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication facility	Standard	

### Main Dimensions & Performance Data

d	420 mm	Bore diameter
D	700 mm	Outside diameter
B	280 mm	Width
$C_r$	7.400.000 N	Basic dynamic load rating, radial
$C_{0r}$	12.600.000 N	Basic static load rating, radial
$C_{ur}$	890.000 N	Fatigue load limit, radial
$n_G$	720 1/min	Limiting speed
$n_{gr}$	270 1/min	Reference speed
$\approx m$	435 kg	Weight



### Mounting dimensions

$d_{a \min}$	446 mm	Minimum diameter shaft shoulder
$D_{a \max}$	674 mm	Maximum diameter of housing shoulder
$r_{a \max}$	5 mm	Maximum recess radius

### Dimensions

$r_{\min}$	6 mm	Minimum chamfer dimension
$D_1$	592,2 mm	Bore diameter outer ring
$d_2$	472,7 mm	Raceway diameter of the inner ring
$d_s$	12,5 mm	Diameter lubrication hole
$n_s$	23,5 mm	Width of lubricating groove

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	200 °C	Operating temperature max.

### Calculation factors

$e$	0,39	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	1,72	Dynamic axial load factor
$Y_2$	2,56	Dynamic axial load factor
$Y_0$	1,68	Static axial load factor



### Characteristics

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-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Large bearing
-  Static angular error and misalignment
-  Dynamic angular error and misalignment