



Technical information



Your current product variant

Design	E1	Without central rip
Bore type	Z	Cylindrical
Cage	JPA	Sheet metal cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication facility	Standard	



Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	40 mm	Width
C_r	229,000 N	Basic dynamic load rating, radial
C_{0r}	223,000 N	Basic static load rating, radial
C_{ur}	20,700 N	Fatigue load limit, radial
n_G	6,300 1/min	Limiting speed
n_{gr}	4,800 1/min	Reference speed
$\approx m$	1.878 kg	Weight



Mounting dimensions

$d_{a \min}$	61 mm	Minimum diameter shaft shoulder
$D_{a \max}$	99 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum recess radius

Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
D_1	92.6 mm	Bore diameter outer ring
d_2	63 mm	Raceway diameter of the inner ring
d_s	3.2 mm	Diameter lubrication hole
n_s	6.5 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0.36	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	1.86	Dynamic axial load factor
Y_2	2.77	Dynamic axial load factor
Y_0	1.82	Static axial load factor



Characteristics

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