



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	90 mm	Bore diameter
D	190 mm	Outside diameter
B	64 mm	Width
C_r	610,000 N	Basic dynamic load rating, radial
C_{0r}	630,000 N	Basic static load rating, radial
C_{ur}	56,000 N	Fatigue load limit, radial
n_G	3,850 1/min	Limiting speed
n_{gr}	3,000 1/min	Reference speed
$\approx m$	8.57 kg	Weight



Mounting dimensions

$d_{a \min}$	104 mm	Minimum diameter shaft shoulder
$D_{a \max}$	176 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2.5 mm	Maximum recess radius

Dimensions

r_{\min}	3 mm	Minimum chamfer dimension
D_1	162.5 mm	Bore diameter outer ring
d_2	110.2 mm	Raceway diameter of the inner ring
d_s	6.3 mm	Diameter lubrication hole
n_s	12.2 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0.33	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2.03	Dynamic axial load factor
Y_2	3.02	Dynamic axial load factor
Y_0	1.98	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