



Technical information



Your current product variant

Design	E1	without central rip
Bore type	Z	Cylindrical
Cage	JPA	Sheet metal cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	130 mm	Bore diameter
D	280 mm	Outside diameter
B	93 mm	Width
C_r	1,250,000 N	Basic dynamic load rating, radial
C_{0r}	1,370,000 N	Basic static load rating, radial
C_{ur}	120,000 N	Fatigue load limit, radial
n_G	2,650 1/min	Limiting speed
n_{gr}	1,820 1/min	Reference speed
$\approx m$	27.238 kg	Weight



Mounting dimensions

$d_{a \min}$	147 mm	Minimum diameter shaft shoulder
$D_{a \max}$	263 mm	Maximum diameter of housing shoulder
$r_{a \max}$	3 mm	Maximum recess radius

Dimensions

r_{\min}	4 mm	Minimum chamfer dimension
D_1	239.5 mm	Bore diameter outer ring
d_2	162.2 mm	Raceway diameter of the inner ring
d_s	9.5 mm	Diameter lubrication hole
n_s	17.7 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	2.06	Dynamic axial load factor
Y_2	3.06	Dynamic axial load factor
Y_0	2.01	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