



Technical information



Your current product variant

Design	E1	Without central rip
Bore type	Z	Cylindrical
Cage	TVPB	Plastic cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication facility	Standard	

Main Dimensions & Performance Data

d	140 mm	Bore diameter
D	210 mm	Outside diameter
B	53 mm	Width
C_r	570.000 N	Basic dynamic load rating, radial
C_{0r}	800.000 N	Basic static load rating, radial
C_{ur}	77.000 N	Fatigue load limit, radial
n_G	3.450 1/min	Limiting speed
n_{gr}	2.390 1/min	Reference speed
$\approx m$	6,038 kg	Weight



Mounting dimensions

$d_{a \min}$	148,8 mm	Minimum diameter shaft shoulder
$D_{a \max}$	201,2 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum recess radius

Dimensions

r_{\min}	2 mm	Minimum chamfer dimension
D_1	192,3 mm	Bore diameter outer ring
d_2	155,4 mm	Raceway diameter of the inner ring
d_s	4,8 mm	Diameter lubrication hole
n_s	9,5 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,22	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	3,07	Dynamic axial load factor
Y_2	4,57	Dynamic axial load factor
Y_0	3	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