**23222-E1-XL-TVPB**

Spherical Roller Bearing

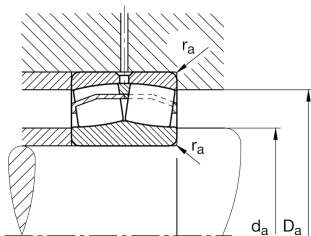
Spherical roller bearings 232...-E1, main dimensions to DIN 635-2

Technical information



Your current product variant

Design	E1	Without central rip
Bore type	Z	Cylindrical
Cage	TVPB	Plastic cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication facility	Standard	



Main Dimensions & Performance Data

d	110 mm	Bore diameter
D	200 mm	Outside diameter
B	69,8 mm	Width
C_r	710.000 N	Basic dynamic load rating, radial
C_{0r}	870.000 N	Basic static load rating, radial
C_{ur}	73.000 N	Fatigue load limit, radial
n_G	3.250 1/min	Limiting speed
n_{gr}	2.100 1/min	Reference speed
m	9,106 kg	Weight



Mounting dimensions

$d_{a \min}$	122 mm	Minimum diameter shaft shoulder
$D_{a \max}$	188 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum recess radius

Dimensions

r_{\min}	2,1 mm	Minimum chamfer dimension
D_1	172,7 mm	Bore diameter outer ring
d_2	129,1 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	0,33	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