

FAG

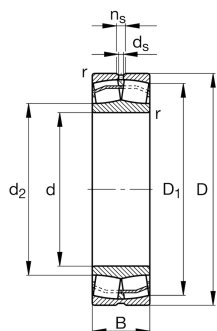
23236-E1-XL-TVPB

Spherical Roller Bearing

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

X-life

Informacje techniczne



Twoja aktualna wersja produktu

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

Main Dimensions & Performance Data

d	180 mm	Bore diameter
D	320 mm	Outside diameter
B	112 mm	Width
C _r	1.720.000 N	Basic dynamic load rating, radial
C _{0r}	2.340.000 N	Basic static load rating, radial
C _{ur}	178.000 N	Fatigue load limit, radial
n _G	2.010 1/min	Limiting speed
n _{gr}	1.090 1/min	Reference speed
m	36,349 kg	Masa



Mounting dimensions

$d_{a\ min}$	197 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	303 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	3 mm	Maximum recess radius

Dimensions

$r_{\min}$	4 mm	Minimum chamfer dimension
D_1	277,3 mm	Bore diameter outer ring
d_2	210,6 mm	Raceway diameter of the inner ring
d_s	8 mm	Diameter lubrication hole
n_s	15 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	2,07	Dynamic axial load factor
Y_2	3,09	Dynamic axial load factor
Y_0	2,03	Static axial load factor



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Łożysko gabarytowe



Nieosiowość statyczna



Nieosiowość dynamiczna