

FAG

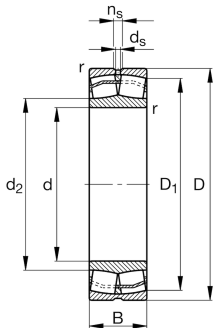
23136-E1-XL-TVPB-C3

Spherical Roller Bearing

Spherical roller bearings 231...-E1, main dimensions to DIN 635-2

X-life

Informacje techniczne

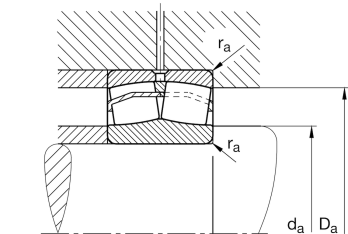


Twoja aktualna wersja produktu

Design	E1	Without central rip
Bore type	Z	Cylindrical
Cage	TVPB	Plastic cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	180 mm	Bore diameter
D	300 mm	Outside diameter
B	96 mm	Width
C _r	1.420.000 N	Basic dynamic load rating, radial
C _{0r}	1.950.000 N	Basic static load rating, radial
C _{ur}	199.000 N	Fatigue load limit, radial
n _G	2.230 1/min	Limiting speed
n _{gr}	1.350 1/min	Reference speed
≈m	25,963 kg	Masa





Mounting dimensions

$d_{a\ min}$	194 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	286 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	264,8 mm	Bore diameter outer ring
d_2	204,1 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	0,29	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,32	Dynamic axial load factor
Y_2	3,45	Dynamic axial load factor
Y_0	2,26	Static axial load factor



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Nieosiowość statyczna



Nieosiowość dynamiczna