



FAG

23124-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	120 mm	Bore diameter
D	200 mm	Outside diameter
B	62 mm	Width
C _r	630.000 N	Basic dynamic load rating, radial
C _{0r}	800.000 N	Basic static load rating, radial
C _{ur}	74.000 N	Fatigue load limit, radial
n _G	3.400 1/min	Limiting speed
n _{gr}	2.290 1/min	Reference speed
≈m	7,347 kg	Masa



Mounting dimensions

$d_{a \min}$	131 mm	Minimum diameter shaft shoulder
$D_{a \max}$	189 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum recess radius

Dimensions

$r_{\min}$	2 mm	Minimum chamfer dimension
D_1	177,4 mm	Bore diameter outer ring
d_2	136,2 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	0,28	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,39	Dynamic axial load factor
Y_2	3,56	Dynamic axial load factor
Y_0	2,34	Static axial load factor



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Nieosiowość statyczna



Nieosiowość dynamiczna