



FAG

23134-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	170 mm	Bore diameter
D	280 mm	Outside diameter
B	88 mm	Width
C _r	1.220.000 N	Basic dynamic load rating, radial
C _{0r}	1.690.000 N	Basic static load rating, radial
C _{ur}	177.000 N	Fatigue load limit, radial
n _G	2.380 1/min	Limiting speed
n _{gr}	1.460 1/min	Reference speed
≈m	20,341 kg	Masa



Mounting dimensions

$d_{a\ min}$	182 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	268 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	248,1 mm	Bore diameter outer ring
d_2	193,4 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	0,28	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,37	Dynamic axial load factor
Y_2	3,53	Dynamic axial load factor
Y_0	2,32	Static axial load factor



Właściwości

-  Obciążenie promieniowe
-  Obciążenie osiowe jednokierunkowe
-  Obciążenie osiowe dwukierunkowe
-  Smarowanie smarem
-  Smarowanie olejem
-  Bez uszczelnienia
-  Nieosiowość statyczna
-  Nieosiowość dynamiczna