

FAG

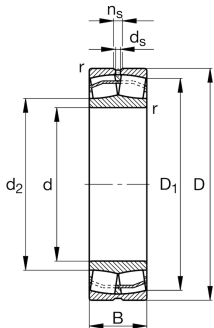
23026-E1-XL-TVPB

Spherical Roller Bearing

Spherical roller bearings 230...-E1, main dimensions to DIN 635-2

X-life

Informacje techniczne

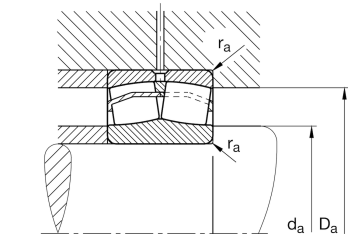


Twoja aktualna wersja produktu

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	130 mm	Bore diameter
D	200 mm	Outside diameter
B	52 mm	Width
C _r	540.000 N	Basic dynamic load rating, radial
C _{0r}	730.000 N	Basic static load rating, radial
C _{ur}	71.000 N	Fatigue load limit, radial
n _G	3.600 1/min	Limiting speed
n _{gr}	2.600 1/min	Reference speed
≈m	5,562 kg	Masa





Mounting dimensions

d _{a min}	138,8 mm	Minimum diameter shaft shoulder
D _{a max}	191,2 mm	Maximum diameter of housing shoulder
r _{a max}	2 mm	Maximum recess radius

Dimensions

r _{min}	2 mm	Minimum chamfer dimension
D ₁	182,3 mm	Bore diameter outer ring
d ₂	145,9 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	0,23	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,95	Dynamic axial load factor
Y ₂	4,4	Dynamic axial load factor
Y ₀	2,89	Static axial load factor



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Nieosiowość statyczna



Nieosiowość dynamiczna