



FAG

23026-E1A-XL-M-C3

Spherical Roller Bearing

Spherical roller bearings 230...-E1A, main dimensions to DIN 635-2

X-life

Technical information



Your current product variant

Design	E1A	Without central rip
Bore type	Z	Cylindrical
Cage	M	Brass Cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication	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
$\approx m$	5,872 kg	Weight



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_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}	200 °C	Operating temperature max.

Calculation factors

e	0,23	Limiting value of F_a/F_r 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

Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Static angular error and misalignment
-  Dynamic angular error and misalignment