FAG

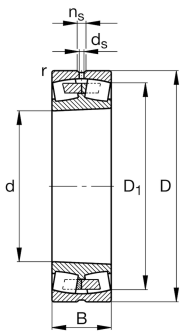
23122-E1A-XL-K-M-C4

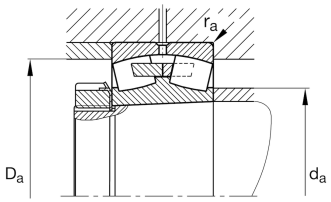
Spherical Roller Bearing

Spherical roller bearings 231..-E1A-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

Informacje techniczne





Twoja aktualna wersja produktu

Design	E1A	Without central rip
Bore type	K	Tapered, taper 1:12
Cage	M	Brass Cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication	Standard	
Special material	Standard	

Main Dimensions & Performance Data

d	110 mm	Bore diameter
D	180 mm	Outside diameter
B	56 mm	Width
C_r	530.000 N	Basic dynamic load rating, radial
C_{0r}	680.000 N	Basic static load rating, radial
C_{ur}	62.000 N	Fatigue load limit, radial
n_G	3.700 1/min	Limiting speed
$n_{\vartheta r}$	2.550 1/min	Reference speed
≈m	5,4 kg	Masa

Mounting dimensions

$d_{a\ min}$	121 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	169 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2 mm	Maximum recess radius
$d_{a\ max}$	127 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	117 mm	Minimum cavity diameter of the sleeve
$B_{a\ min}$	7 mm	Minimum cavity width of the sleeve

Dimensions

r_{min}	2 mm	Minimum chamfer dimension
D_1	160 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	0,28	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	2,41	Dynamic axial load factor
Y_2	3,59	Dynamic axial load factor
Y_0	2,35	Static axial load factor

Additional information

	H3122	Adapter sleeve
	AHX3122	Withdrawal sleeve

Właściwości

Obciążenie promieniowe

Obciążenie osiowe jednokierunkowe

Obciążenie osiowe dwukierunkowe


Smarowanie smarem


Smarowanie olejem


Bez uszczelnienia


Nieosiowość statyczna


Nieosiowość dynamiczna