FAG

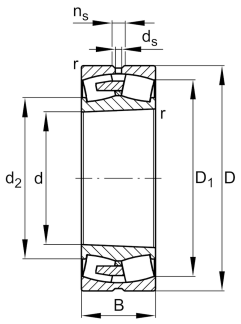
X-life

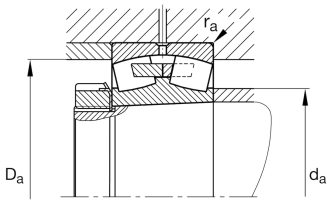
23180-BEA-XL-K-MB1-T52BW-C4

Spherical Roller Bearing

Spherical roller bearing 231..-BEA-XL-K-MB1,
symmetric 2 outer ribs with rib washer

Informacje techniczne





Twoja aktualna wersja produktu

Design	BEA	With lose center lip ring
Bore type	K	Tapered, taper 1:12
Cage	MB1	Solid brass cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication	Standard	

Main Dimensions & Performance Data

d	400 mm	Bore diameter
D	650 mm	Outside diameter
B	200 mm	Width
C_r	5.000.000 N	Basic dynamic load rating, radial
C_{0r}	8.100.000 N	Basic static load rating, radial
C_{ur}	590.000 N	Fatigue load limit, radial
n_G	950 1/min	Limiting speed
$n_{\vartheta r}$	495 1/min	Reference speed
≈m	248,5 kg	Masa

Mounting dimensions

$d_{a\ min}$	426 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	624 mm	
$r_{a\ max}$	5 mm	Maximum recess radius
$d_{a\ max}$	457 mm	
$d_{b\ min}$	421 mm	Minimum cavity diameter of the sleeve
$B_{a\ min}$	15 mm	Minimum cavity width of the sleeve

Dimensions

r_{min}	6 mm	Minimum chamfer dimension
D_1	571,4 mm	Bore diameter outer ring
d_s	12,5 mm	Diameter lubrication hole
n_s	23,5 mm	Width of lubricating groove

Temperature range

T_{min}	-30 °C	Operating temperature min.
T_{max}	200 °C	Operating temperature max.

Calculation factors

e	0,29	
Y_1	2,3	Dynamic axial load factor
Y_2	3,42	Dynamic axial load factor
Y_0	2,25	Static axial load factor

Additional information

	H3180-HG	Adapter sleeve
	AH3180G-H	Withdrawal sleeve

Właściwości

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