FAG

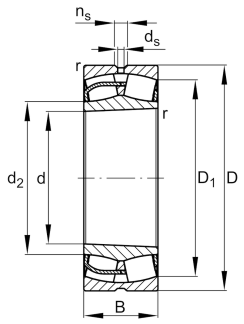
23056-BE-XL-K-C3

Spherical Roller Bearing

Spherical roller bearings 230..-E1-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

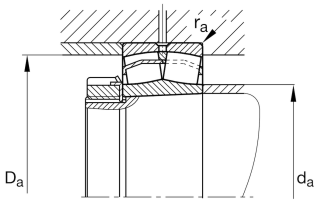
X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	BE	With lose center lip ring
Bore type	K	Tapered, taper 1:12
Cage	JPB	Sheet metal cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication	Standard	



Main Dimensions & Performance Data

d	280 mm	Bore diameter
D	420 mm	Outside diameter
B	106 mm	Width
C_r	1.780.000 N	Basic dynamic load rating, radial
C_{0r}	2.850.000 N	Basic static load rating, radial
C_{ur}	260.000 N	Fatigue load limit, radial
n_G	1.740 1/min	Limiting speed
$n_{\vartheta r}$	1.090 1/min	Reference speed
≈m	48,665 kg	Masa

Mounting dimensions

$d_{a\ min}$	294,6 mm	Minimum diameter shaft shoulder
$d_{a\ max}$	310 mm	Maximum diameter of shaft shoulder
$D_{a\ max}$	405,4 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	3 mm	Maximum recess radius
$d_{b\ min}$	292 mm	Minimum cavity diameter of the sleeve
$B_{a\ min}$	12 mm	Minimum cavity width of the sleeve

Dimensions

r_{min}	4 mm	Minimum chamfer dimension
D_1	379,2 mm	Bore diameter outer ring
d_2	314,3 mm	Raceway diameter of the inner ring
d_s	9,5 mm	Diameter lubrication hole
n_s	17,7 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,22	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	3,01	Dynamic axial load factor
Y_2	4,48	Dynamic axial load factor
Y_0	2,94	Static axial load factor

Additional information

	H3056	Adapter sleeve
	AH3056	Withdrawal sleeve

Właściwości

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