



FAG

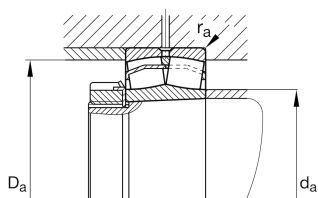
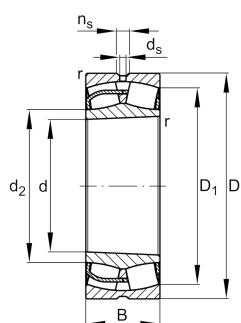
23156-BE-XL-K-C3

Spherical Roller Bearing

Spherical roller bearings 231...-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 feature	Standard	

Main Dimensions & Performance Data

d	280 mm	Bore diameter
D	460 mm	Outside diameter
B	146 mm	Width
C _r	2.750.000 N	Basic dynamic load rating, radial
C _{0r}	4.200.000 N	Basic static load rating, radial
C _{ur}	325.000 N	Fatigue load limit, radial
n _G	1.420 1/min	Limiting speed
n _{gr}	790 1/min	Reference speed
m	90,51 kg	Masa



Mounting dimensions

$d_{a \min}$	300 mm	Minimum diameter shaft shoulder
$d_{a \max}$	321 mm	Maximum diameter of shaft shoulder
$D_{a \max}$	440 mm	Maximum diameter of housing shoulder
$r_{a \max}$	4 mm	Maximum recess radius
$d_{b \min}$	296 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	12 mm	Minimum cavity width of the sleeve

Dimensions

$r_{\min}$	5 mm	Minimum chamfer dimension
D_1	403,4 mm	Bore diameter outer ring
d_2	321,4 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	0,31	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,21	Dynamic axial load factor
Y_2	3,29	Dynamic axial load factor
Y_0	2,16	Static axial load factor

Additional information

H3156X	Adapter sleeve
AH3156G	Withdrawal sleeve



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Łożysko gabarytowe



Nieosiowość statyczna



Nieosiowość dynamiczna