





FAG

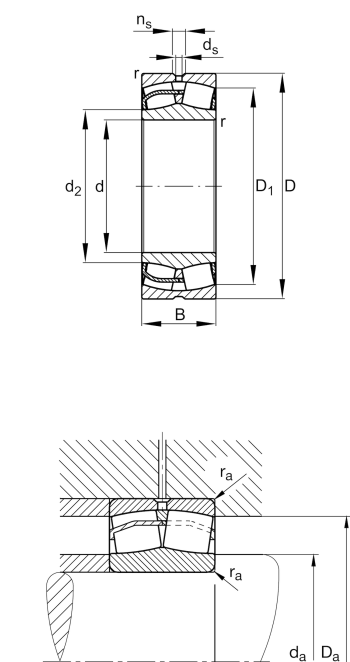
23060-BE-XL-C3 

Spherical Roller Bearing

Spherical roller bearings 230...-E1, main dimensions to DIN 635-2

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	BE	With lose center lip ring
Bore type	Z	Cylindrical
Cage	JPB	Sheet metal cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	300 mm	Bore diameter
D	460 mm	Outside diameter
B	118 mm	Width
C _r	2.160.000 N	Basic dynamic load rating, radial
C _{0r}	3.450.000 N	Basic static load rating, radial
C _{ur}	305.000 N	Fatigue load limit, radial
n _G	1.570 1/min	Limiting speed
n _{gr}	980 1/min	Reference speed
≈m	69,32 kg	Masa



Mounting dimensions

$d_{a\ min}$	314,6 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	445,4 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	3 mm	Maximum recess radius

Dimensions

$r_{\min}$	4 mm	Minimum chamfer dimension
D_1	413 mm	Bore diameter outer ring
d_2	340 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	0,23	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,92	Dynamic axial load factor
Y_2	4,35	Dynamic axial load factor
Y_0	2,86	Static axial load factor



Właściwości

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