

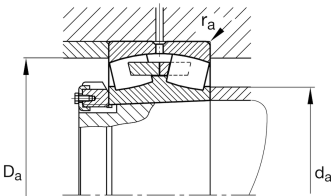
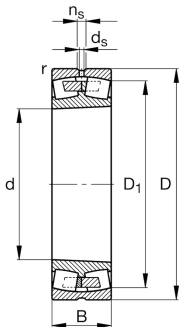
FAG

23944-S-K-MB-C3

Spherical Roller Bearing

Spherical roller bearings 239...-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

Informacje techniczne



Twoja aktualna wersja produktu

Bore type	K	Tapered, taper 1:12
Cage	MB	Solid brass cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	S	With 3 lubricating holes and groove

Main Dimensions & Performance Data

d	220 mm	Bore diameter
D	300 mm	Outside diameter
B	60 mm	Width
C _r	610.000 N	Basic dynamic load rating, radial
C _{0r}	1.240.000 N	Basic static load rating, radial
C _{ur}	74.000 N	Fatigue load limit, radial
n _G	2.600 1/min	Limiting speed
n _{gr}	1.460 1/min	Reference speed

m	12,015 kg	Masa
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Mounting dimensions

$d_{a \min}$	230,2 mm	Minimum diameter shaft shoulder
$D_{a \max}$	289,8 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum recess radius
$d_{a \max}$	241 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	230 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	9 mm	Minimum cavity width of the sleeve

Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
D_1	277,4 mm	Bore diameter outer ring
d_s	6,3 mm	Diameter lubrication hole
n_s	12,2 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,18	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	3,76	Dynamic axial load factor
Y_2	5,59	Dynamic axial load factor
Y_0	3,67	Static axial load factor

Additional information

H3944	Adapter sleeve
AH3944	Withdrawal sleeve



Właściwości

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