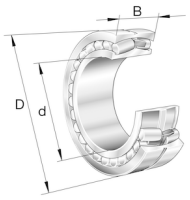


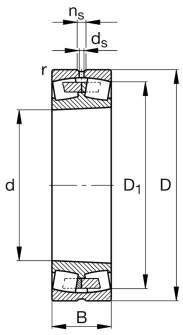
FAG

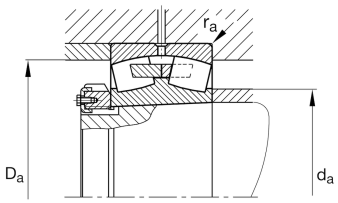
23940-S-K-MB-C4

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	C4 (Group 4)	Internal clearance larger than C3
Relubrication feature	S	With 3 lubricating holes and groove

Main Dimensions & Performance Data

d	200 mm	Bore diameter
D	280 mm	Outside diameter
B	60 mm	Width
C_r	550.000 N	Basic dynamic load rating, radial
C_{0r}	1.070.000 N	Basic static load rating, radial
C_{ur}	73.000 N	Fatigue load limit, radial
n_G	2.800 1/min	Limiting speed
$n_{\vartheta r}$	1.650 1/min	Reference speed
≈m	11,01 kg	Masa

Mounting dimensions

$d_{a\ min}$	210,2 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	269,8 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2,1 mm	Maximum recess radius
$d_{a\ max}$	220 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	210 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	256,9 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	0,2	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	3,42	Dynamic axial load factor
Y_2	5,09	Dynamic axial load factor
Y_0	3,34	Static axial load factor

Additional information

	H3940	Adapter sleeve
	AH3940	Withdrawal sleeve

Właściwości

Obciążenie promieniowe

Obciążenie osiowe jednokierunkowe

Obciążenie osiowe dwukierunkowe


Smarowanie smarem


Smarowanie olejem


Bez uszczelnienia


Nieosiowość statyczna


Nieosiowość dynamiczna