



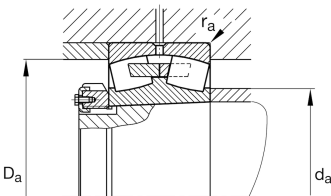
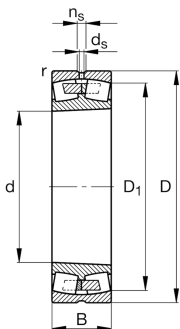
FAG

23980-B-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

Design	B	With fixed central rib
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	Standard	

Main Dimensions & Performance Data

d	400 mm	Bore diameter
D	540 mm	Outside diameter
B	106 mm	Width
C _r	1.830.000 N	Basic dynamic load rating, radial
C _{0r}	4.150.000 N	Basic static load rating, radial
C _{ur}	280.000 N	Fatigue load limit, radial
n _G	1.290 1/min	Limiting speed
n _{gr}	710 1/min	Reference speed
≈m	69,38 kg	Masa



Mounting dimensions

d _{a min}	414,6 mm	Minimum diameter shaft shoulder
D _{a max}	525,4 mm	Maximum diameter of housing shoulder
r _{a max}	3 mm	Maximum recess radius
d _{a max}	435 mm	Maximum diameter of shaft shoulder
d _{b min}	413 mm	Minimum cavity diameter of the sleeve
B _{a min}	15 mm	Minimum cavity width of the sleeve

Dimensions

r _{min}	4 mm	Minimum chamfer dimension
D ₁	499 mm	Bore diameter outer 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	0,18	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	3,71	Dynamic axial load factor
Y ₂	5,52	Dynamic axial load factor
Y ₀	3,63	Static axial load factor

Additional information

H3980-HG	Adapter sleeve
AH3980G-H	Withdrawal sleeve



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Łożysko gabarytowe



Nieosiowość statyczna



Nieosiowość dynamiczna