



FAG

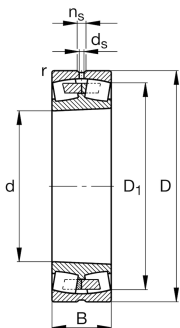
23138-E1A-XL-K-M-W209B-C4

Spherical Roller Bearing

Spherical roller bearings 231...-E1A-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	E1A	Without central rip
Bore type	K	Tapered, taper 1:12
Cage	M	Brass Cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication	Standard	
Special material	Standard	

Main Dimensions & Performance Data

d	190 mm	Bore diameter
D	320 mm	Outside diameter
B	104 mm	Width
C _r	1.610.000 N	Basic dynamic load rating, radial
C _{0r}	2.220.000 N	Basic static load rating, radial
C _{ur}	222.000 N	Fatigue load limit, radial
n _G	2.070 1/min	Limiting speed
n _{gr}	1.260 1/min	Reference speed

≈m	32,792 kg	Masa
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Mounting dimensions

d _{a min}	204 mm	Minimum diameter shaft shoulder
D _{a max}	306 mm	Maximum diameter of housing shoulder
r _{a max}	2,5 mm	Maximum recess radius
d _{a max}	216 mm	Maximum diameter of shaft shoulder
d _{b min}	202 mm	Minimum cavity diameter of the sleeve
B _{a min}	9 mm	Minimum cavity width of the sleeve

Dimensions

r _{min}	3 mm	Minimum chamfer dimension
D ₁	281,6 mm	Bore diameter outer ring
d _s	8 mm	Diameter lubrication hole
n _s	15 mm	Width of lubricating groove

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	200 °C	Operating temperature max.

Calculation factors

e	0,3	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,28	Dynamic axial load factor
Y ₂	3,39	Dynamic axial load factor
Y ₀	2,23	Static axial load factor

Additional information

H3138	Adapter sleeve
AH3138G	Withdrawal sleeve



Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Łożysko gabarytowe



Nieosiowość statyczna



Nieosiowość dynamiczna