

FAG

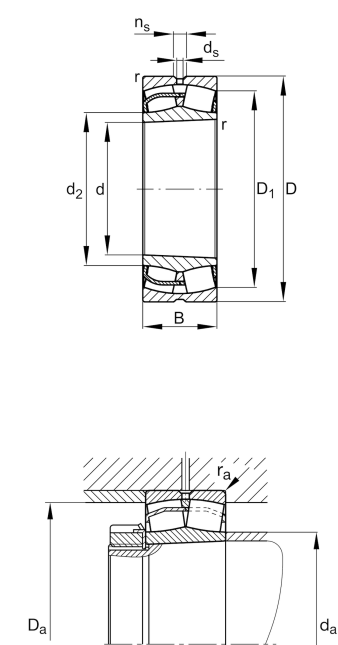
24140-BE-XL-K30-C3

Spherical Roller Bearing

Spherical roller bearings 241...-BE-K30, main dimensions to DIN 635-2, with tapered bore, taper 1:30

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	BE	With lose center lip ring
Bore type	K30	Tapered, taper 1:30
Cage	JPB	Sheet metal cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	200 mm	Bore diameter
D	340 mm	Outside diameter
B	140 mm	Width
C _r	1.880.000 N	Basic dynamic load rating, radial
C _{0r}	2.800.000 N	Basic static load rating, radial
C _{ur}	260.000 N	Fatigue load limit, radial
n _G	1.780 1/min	Limiting speed
n _{gr}	840 1/min	Reference speed
≈m	49,85 kg	Masa



Mounting dimensions

d _{a min}	214 mm	Minimum diameter shaft shoulder
D _{a max}	326 mm	Maximum diameter of housing shoulder
r _{a max}	2,5 mm	Maximum recess radius

Dimensions

r _{min}	3 mm	Minimum chamfer dimension
D ₁	287,9 mm	Bore diameter outer ring
d ₂	227,1 mm	Raceway diameter of the inner 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	0,39	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	1,71	Dynamic axial load factor
Y ₂	2,54	Dynamic axial load factor
Y ₀	1,67	Static axial load factor

Additional information

AH24140	Withdrawal sleeve
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Właściwości



Obciążenie promieniowe



Obciążenie osiowe jednokierunkowe



Obciążenie osiowe dwukierunkowe



Smarowanie smarem



Smarowanie olejem



Bez uszczelnienia



Łożysko gabarytowe



Nieosiowość statyczna



Nieosiowość dynamiczna