



FAG

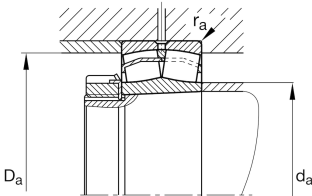
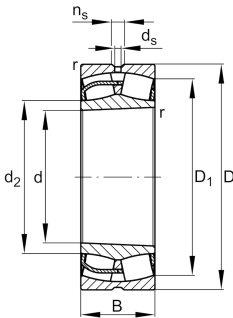
24152-BE-XL-K30-C3

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	Standard	

Main Dimensions & Performance Data

d	260 mm	Bore diameter
D	440 mm	Outside diameter
B	180 mm	Width
C _r	3.150.000 N	Basic dynamic load rating, radial
C _{0r}	4.900.000 N	Basic static load rating, radial
C _{ur}	400.000 N	Fatigue load limit, radial
n _G	1.290 1/min	Limiting speed
n _{gr}	560 1/min	Reference speed
≈m	107,935 kg	Masa

Mounting dimensions

d _{a min}	277 mm	Minimum diameter shaft shoulder
D _{a max}	423 mm	Maximum diameter of housing shoulder
r _{a max}	3 mm	Maximum recess radius



Dimensions

r _{min}	4 mm	Minimum chamfer dimension
D ₁	370,6 mm	Bore diameter outer ring
d ₂	292,2 mm	Raceway diameter of the inner 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	0,4	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	1,67	Dynamic axial load factor
Y ₂	2,49	Dynamic axial load factor
Y ₀	1,63	Static axial load factor

Additional information

AH24152	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