



FAG

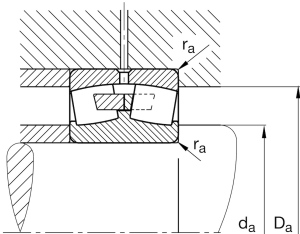
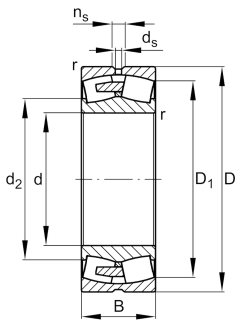
231/530-BEA-XL-MB1-H40

Spherical Roller Bearing

Spherical roller bearing 231...-BEA-XL-MB1-H40, symmetric 2 outer ribs with rib washer

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	BEA	With lose center lip ring
Bore type	Z	Cylindrical
Cage	MB1	Solid brass cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication feature	H40	Without lubricating groove and holes

Main Dimensions & Performance Data

d	530 mm	Bore diameter
D	870 mm	Outside diameter
B	272 mm	Width
C _r	8.900.000 N	Basic dynamic load rating, radial
C _{0r}	15.000.000 N	Basic static load rating, radial
C _{ur}	960.000 N	Fatigue load limit, radial
n _G	660 1/min	Limiting speed
n _{gr}	325 1/min	Reference speed

Mounting dimensions

d _{a min}	562 mm	Minimum diameter shaft shoulder
D _{a max}	838 mm	
r _{a max}	6 mm	Maximum recess radius



Dimensions

r_{min} 7,5 mm Minimum chamfer dimension

D_1 760,5 mm Bore diameter outer ring

Temperature range

T_{min} -30 °C Operating temperature min.

T_{max} 200 °C Operating temperature max.

Calculation factors

e 0,3

Y_1 2,25 Dynamic axial load factor

Y_2 3,34 Dynamic axial load factor

Y_0 2,2 Static axial load factor

Właściwości

 F_r Obciążenie promieniowe

 F_a Obciążenie osiowe jednokierunkowe

 F_a Obciążenie osiowe dwukierunkowe

 Smarowanie smarem

 Smarowanie olejem

 Bez uszczelnienia

 Nieosiowość statyczna

 Nieosiowość dynamiczna