

FAG

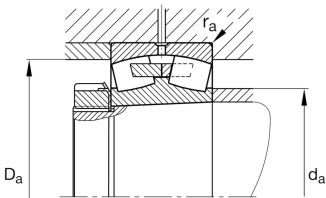
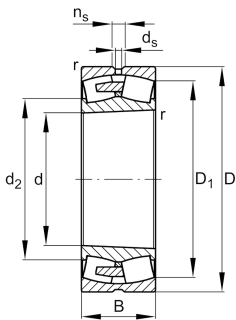
241/500-BEA-XL-K30-MB1-C4

Spherical Roller Bearing

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

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	BEA	With lose center lip ring
Bore type	K30	Tapered, taper 1:30
Cage	MB1	Solid brass cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	500 mm	Bore diameter
D	830 mm	Outside diameter
B	325 mm	Width
C _r	10.000.000 N	Basic dynamic load rating, radial
C _{0r}	17.300.000 N	Basic static load rating, radial
C _{ur}	1.190.000 N	Fatigue load limit, radial
n _G	600 1/min	Limiting speed
n _{gr}	209 1/min	Reference speed
≈m	684 kg	Masa

Mounting dimensions

d _{a min}	532 mm	Minimum diameter shaft shoulder
D _{a max}	798 mm	
r _{a max}	6 mm	Maximum recess radius



Dimensions

r_{min}	7,5 mm	Minimum chamfer dimension
D_1	705,2 mm	Bore diameter outer ring
d_s	12,5 mm	Diameter lubrication hole
n_s	23,5 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,38	
Y_1	1,78	Dynamic axial load factor
Y_2	2,65	Dynamic axial load factor
Y_0	1,74	Static axial load factor

Additional information

AH241/500-H	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