

FAG

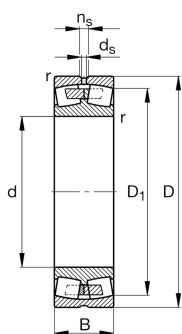
22324-E1A-XL-M-H40-C4 [🔗](#)

Spherical Roller Bearing

Spherical roller bearing 223...-E1A-XL-M-H40,
symmetric 2 outer ribs

X-life

Informacje techniczne



Twoja aktualna wersja produktu

Design	E1A	Without central rip
Bore type	Z	Cylindrical
Cage	M	Brass Cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication feature	H40	Without lubricating groove and holes

Main Dimensions & Performance Data

d	120 mm	Bore diameter
D	260 mm	Outside diameter
B	86 mm	Width
C _r	1.080.000 N	Basic dynamic load rating, radial
C _{0r}	1.170.000 N	Basic static load rating, radial
C _{ur}	105.000 N	Fatigue load limit, radial
n _G	2.850 1/min	Limiting speed
n _{gr}	2.000 1/min	Reference speed
≈m	22,229 kg	Masa

Mounting dimensions

d _{a min}	134 mm	Minimum diameter shaft shoulder
D _{a max}	246 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	222,4 mm	Bore diameter outer ring
d_2	150,8 mm	Raceway diameter of the inner ring

Temperature range

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

Calculation factors

e	0,33	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	2,06	Dynamic axial load factor
Y_2	3,06	Dynamic axial load factor
Y_0	2,01	Static axial load factor