

**FAG****22324-E1A-XL-M-H40-C4**

Spherical Roller Bearing

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

Technical information

**Your current product variant**

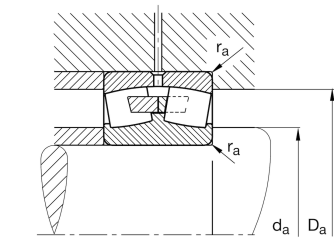
Design	E1A	Without central rip
Bore type	Z	Cylindrical
Cage	M	Brass Cage
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Relubrication facility	H40	Without lubricating groove and holes

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
$\approx m$	22,229 kg	Weight

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