



FAG

**22322-E1A-XL-M-C3**

Spherical Roller Bearing

Spherical roller bearing 223..-E1A-XL-M,  
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	C3 (Group 3)	Internal clearance larger than CN
Relubrication	Standard	

## Main Dimensions &amp; Performance Data

d	110 mm	Bore diameter
D	240 mm	Outside diameter
B	80 mm	Width
$C_r$	950.000 N	Basic dynamic load rating, radial
$C_{0r}$	1.070.000 N	Basic static load rating, radial
$C_{ur}$	93.000 N	Fatigue load limit, radial
$n_G$	3.000 1/min	Limiting speed
$n_{gr}$	2.130 1/min	Reference speed
$\approx m$	17.592 kg	Weight

## Mounting dimensions

$d_{a \min}$	124 mm	Minimum diameter shaft shoulder
$D_{a \max}$	226 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,5 mm	Maximum recess radius



### Dimensions

$r_{min}$	3 mm	Minimum chamfer dimension
$D_1$	204,9 mm	Bore diameter outer ring
$d_2$	143,1 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

$e$	0,33	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	2,07	Dynamic axial load factor
$Y_2$	3,09	Dynamic axial load factor
$Y_0$	2,03	Static axial load factor