

**FAG****23230-E1A-XL-M-H40-C3**

Spherical Roller Bearing

Spherical roller bearing 232...-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	C3 (Group 3)	Internal clearance larger than CN
Relubrication facility	H40	Without lubricating groove and holes

**Main Dimensions & Performance Data**

d	150 mm	Bore diameter
D	270 mm	Outside diameter
B	96 mm	Width
$C_r$	1.280.000 N	Basic dynamic load rating, radial
$C_{0r}$	1.660.000 N	Basic static load rating, radial
$C_{ur}$	133.000 N	Fatigue load limit, radial
$n_G$	2.400 1/min	Limiting speed
$n_{gr}$	1.400 1/min	Reference speed
$\approx m$	23,7 kg	Weight

**Mounting dimensions**

$d_{a \min}$	164 mm	Minimum diameter shaft shoulder
$D_{a \max}$	256 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,5 mm	Maximum recess radius



### Dimensions

$r_{min}$	3 mm	Minimum chamfer dimension
$D_1$	232,6 mm	Bore diameter outer ring









### Temperature range

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

### Calculation factors

$e$	0,33	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	2,02	Dynamic axial load factor
$Y_2$	3	Dynamic axial load factor
$Y_0$	1,97	Static axial load factor

### Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Static angular error and misalignment
-  Dynamic angular error and misalignment