



FAG

**22328-E1A-XL-K-M-C3**

## Spherical Roller Bearing

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

X-life

## Technical information



## Your current product variant

Design	E1A	Without central rip
Bore type	K	Tapered, taper 1:12
Cage	M	Brass Cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication facility	Standard	

## Main Dimensions &amp; Performance Data

d	140 mm	Bore diameter
D	300 mm	Outside diameter
B	102 mm	Width
C <sub>r</sub>	1.460.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	1.630.000 N	Basic static load rating, radial
C <sub>ur</sub>	135.000 N	Fatigue load limit, radial
n <sub>G</sub>	2.420 1/min	Limiting speed
n <sub>gr</sub>	1.660 1/min	Reference speed
m	33,42 kg	Weight



### Mounting dimensions

$d_{a \min}$	157 mm	Minimum diameter shaft shoulder
$D_{a \max}$	283 mm	Maximum diameter of housing shoulder
$r_{a \max}$	3 mm	Maximum recess radius
$d_{a \max}$	169 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	152 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	8 mm	Minimum cavity width of the sleeve

### Dimensions

$r_{\min}$	4 mm	Minimum chamfer dimension
$D_1$	255,7 mm	Bore diameter outer ring
$d_2$	173,5 mm	Raceway diameter of the inner ring
$d_s$	9,5 mm	Diameter lubrication hole
$n_s$	17,7 mm	Width of lubricating groove

### Temperature range

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

### Calculation factors

$e$	0,34	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	2	Dynamic axial load factor
$Y_2$	2,98	Dynamic axial load factor
$Y_0$	1,96	Static axial load factor

### Additional information

H2328	Adapter sleeve
AHX2328G	Withdrawal sleeve