

**FAG****22228-E1A-XL-K-2RSR-M**

Spherical Roller Bearing

Spherical Roller Bearing 222...-E1A-XL-K-2RSR-M, symmetrical 2 outer ribs, sealed

**X-life**

## Technical information

**Your current product variant**

Design	E1A	Without central rip
Bore type	K	Tapered, taper 1:12
Cage	M	Brass Cage
Relubrication facility	Standard	
Special material	Standard	

**Main Dimensions & Performance Data**

d	140 mm	Bore diameter
D	250 mm	Outside diameter
B	68 mm	Width
C <sub>r</sub>	830.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	970.000 N	Basic static load rating, radial
C <sub>ur</sub>	100.000 N	Fatigue load limit, radial
n <sub>G</sub>	820 1/min	Limiting speed
m	13,6 kg	Weight



### Mounting dimensions

$d_{a \min}$	154 mm	Minimum diameter shaft shoulder
$D_{a \max}$	236 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,5 mm	Maximum recess radius
$d_{a \max}$	164 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	149 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	8 mm	Minimum cavity width of the sleeve

### Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
$D_1$	223,3 mm	Bore diameter outer ring
$d_s$	6,3 mm	Diameter lubrication hole
$n_s$	12,2 mm	Width of lubricating groove

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.

### Calculation factors

$e$	0,24	Limiting value of $F_a/F_r$ for the applicability of diff. Values of factors X and Y
$Y_1$	2,81	Dynamic axial load factor
$Y_2$	4,19	Dynamic axial load factor
$Y_0$	2,75	Static axial load factor

### Additional information

H3128	Adapter sleeve
AHX3128	Withdrawal sleeve



## Characteristics

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Radial load



Axial load in one direction



Axial load in two directions



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides



Static angular error and misalignment



Dynamic angular error and misalignment