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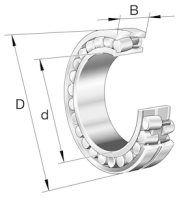


FAG

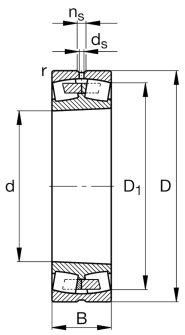
22310-E1A-XL-K-M-C3

Spherical Roller Bearing

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

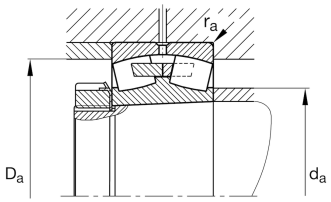
X-life

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 & Performance Data

d	50 mm	Bore diameter
D	110 mm	Outside diameter
B	40 mm	Width
C_r	229.000 N	Basic dynamic load rating, radial
C_{0r}	223.000 N	Basic static load rating, radial
C_{ur}	20.700 N	Fatigue load limit, radial
n_G	6.300 1/min	Limiting speed
$n_{\vartheta r}$	4.800 1/min	Reference speed
≈m	1,8 kg	Weight

Mounting dimensions

$d_{a\ min}$	61 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	99 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2 mm	Maximum recess radius
$d_{a\ max}$	63 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	56 mm	Minimum cavity diameter of the sleeve
$B_{a\ min}$	5 mm	Minimum cavity width of the sleeve

Dimensions

r_{min}	2 mm	Minimum chamfer dimension
D_1	92,6 mm	Bore diameter outer ring
d_2	63 mm	Raceway diameter of the inner ring
d_s	3,2 mm	Diameter lubrication hole
n_s	6,5 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,36	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	1,86	Dynamic axial load factor
Y_2	2,77	Dynamic axial load factor
Y_0	1,82	Static axial load factor

Additional information

	H2310	Adapter sleeve
	AHX2310	Withdrawal sleeve