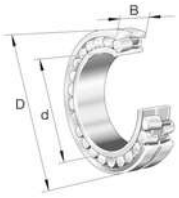
View product details on medias

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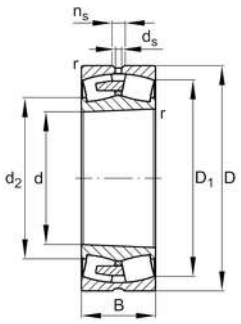
23064-BEA-XL-K-MB1-C3

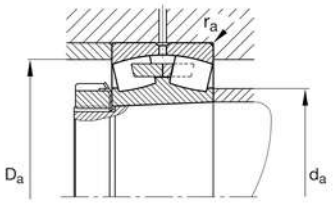
Spherical Roller Bearing

Spherical roller bearing 230..-BEA-XL-K-MB1,
symmetric 2 outer ribs with rib washer

X-life

Technical information





Your current product variant

Design	BEA	with lose center lip ring
Bore type	K	Tapered, taper 1:12
Cage	MB1	Solid brass cage
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Relubrication feature	Standard	

Main Dimensions & Performance Data

d	320 mm	Bore diameter
D	480 mm	Outside diameter
B	121 mm	Width
C_r	2,300,000 N	Basic dynamic load rating, radial
C_{0r}	3,750,000 N	Basic static load rating, radial
C_{ur}	330,000 N	Fatigue load limit, radial
n_G	1,480 1/min	Limiting speed
$n_{\vartheta r}$	920 1/min	Reference speed
≈m	73.265 kg	Weight

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product.For further information you can use the contact form on our website

Mounting dimensions

$d_{a\ min}$	334.6 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	465.4 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	3 mm	Maximum recess radius
$d_{a\ max}$	357 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	334 mm	Minimum cavity diameter of the sleeve
$B_{a\ min}$	13 mm	Minimum cavity width of the sleeve

Dimensions

r_{min}	4 mm	Minimum chamfer dimension
D_1	433 mm	Bore diameter outer 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	0.22	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	3.01	Dynamic axial load factor
Y_2	4.48	Dynamic axial load factor
Y_0	2.94	Static axial load factor

Additional information

	H3064-HG	Adapter sleeve
	AH3064G-H	Withdrawal sleeve

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Characteristics



Radial load



Axial load in one direction



Axial load in two directions


Grease Lubrication


Oil Lubrication


Not sealed


Large bearing


Static angular error and misalignment


Dynamic angular error and misalignment

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