View product details on medias

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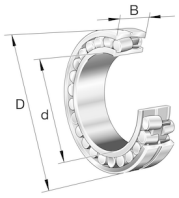
SCHAEFFLER



FAG

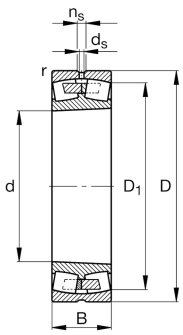
23034-E1A-XL-K-M-H40-C3

Spherical Roller Bearing

Spherical roller bearing 230..-E1A-XL-K-M-H40, symmetric 2 outer ribs

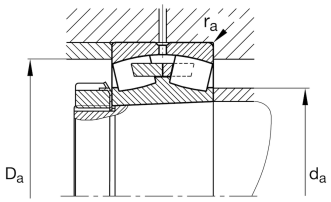
X-life

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	H40	Without lubricating groove and holes



Main Dimensions & Performance Data

d	170 mm	Bore diameter
D	260 mm	Outside diameter
B	67 mm	Width
C_r	880.000 N	Basic dynamic load rating, radial
C_{0r}	1.230.000 N	Basic static load rating, radial
C_{ur}	151.000 N	Fatigue load limit, radial
n_G	2.800 1/min	Limiting speed
$n_{\vartheta r}$	1.890 1/min	Reference speed
≈m	12,353 kg	Weight

Mounting dimensions

$d_{a\ min}$	180,2 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	249,8 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2,1 mm	Maximum recess radius
$d_{a\ max}$	189 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	179 mm	Minimum cavity diameter of the sleeve
$B_{a\ min}$	8 mm	Minimum cavity width of the sleeve

Dimensions

r_{min}	2,1 mm	Minimum chamfer dimension
D_1	237,2 mm	Bore diameter outer ring
d_2	189,8 mm	Raceway diameter of the inner ring

Temperature range

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

Calculation factors

e	0,23	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	2,98	Dynamic axial load factor
Y_2	4,44	Dynamic axial load factor
Y_0	2,92	Static axial load factor

Additional information

	H3034	Adapter sleeve
	AH3034	Withdrawal sleeve

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