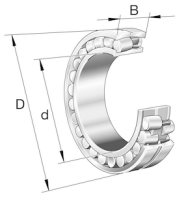


FAG

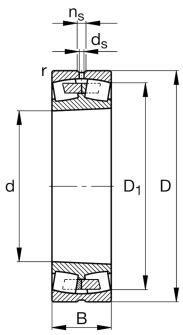
23132-E1A-XL-K-M-C3

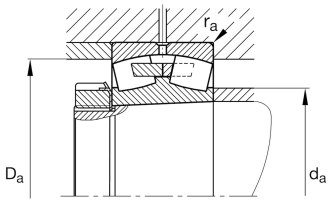
Spherical Roller Bearing

Spherical roller bearings 231..-E1A-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

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	
Special material	Standard	

Main Dimensions & Performance Data

d	160 mm	Bore diameter
D	270 mm	Outside diameter
B	86 mm	Width
C_r	1.160.000 N	Basic dynamic load rating, radial
C_{0r}	1.550.000 N	Basic static load rating, radial
C_{ur}	166.000 N	Fatigue load limit, radial
n_G	2.490 1/min	Limiting speed
$n_{\vartheta r}$	1.560 1/min	Reference speed
≈m	19,1 kg	Weight

Mounting dimensions

$d_{a\ min}$	172 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	258 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2,1 mm	Maximum recess radius
$d_{a\ max}$	183 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	170 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	238,3 mm	Bore diameter outer ring
d_s	8 mm	Diameter lubrication hole
n_s	15 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,29	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	2,32	Dynamic axial load factor
Y_2	3,45	Dynamic axial load factor
Y_0	2,26	Static axial load factor

Additional information

	H3132	Adapter sleeve
	AH3132A	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