View product details on medias

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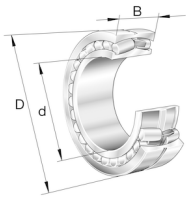
SCHAEFFLER



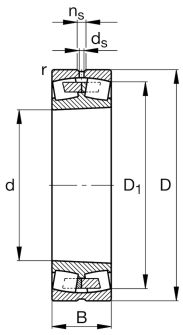
FAG

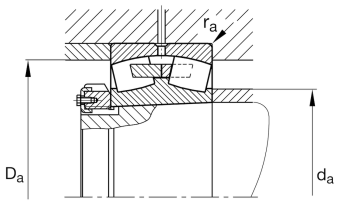
23936-S-K-MB

Spherical Roller Bearing

Spherical roller bearings 239..-K, main dimensions to DIN 635-2, with tapered bore, taper 1:12

Technical information





Your current product variant

Bore type	K	Tapered, taper 1:12
Cage	MB	Solid brass cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication feature	S	With 3 lubricating holes and groove

Main Dimensions & Performance Data

d	180 mm	Bore diameter
D	250 mm	Outside diameter
B	52 mm	Width
C_r	445.000 N	Basic dynamic load rating, radial
C_{0r}	840.000 N	Basic static load rating, radial
C_{ur}	59.000 N	Fatigue load limit, radial
n_G	3.200 1/min	Limiting speed
$n_{\vartheta r}$	1.850 1/min	Reference speed
≈m	7,535 kg	Weight

Mounting dimensions

$d_{a\ min}$	188,8 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	241,2 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2 mm	Maximum recess radius
$d_{a\ max}$	198 mm	Maximum diameter of shaft shoulder
$d_{b\ min}$	188 mm	Minimum cavity diameter of the sleeve
$B_{a\ min}$	8 mm	Minimum cavity width of the sleeve

Dimensions

r_{min}	2 mm	Minimum chamfer dimension
D_1	230,9 mm	Bore diameter outer ring
d_s	4,8 mm	Diameter lubrication hole
n_s	9,5 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,2	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	3,42	Dynamic axial load factor
Y_2	5,09	Dynamic axial load factor
Y_0	3,34	Static axial load factor

Additional information

	H3936	Adapter sleeve
	AH3936	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