View product details on medias

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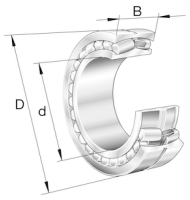


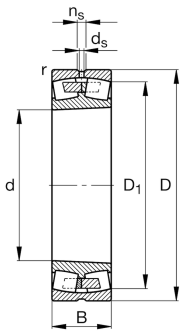
FAG

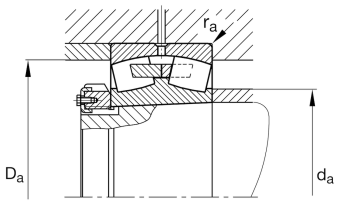
23938-SK-MB-C3

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	C3 (Group 3)	Internal clearance larger than CN
Relubrication facility	S	With 3 lubricating holes and groove

Main Dimensions & Performance Data

d	190 mm	Bore diameter
D	260 mm	Outside diameter
B	52 mm	Width
C_r	470.000 N	Basic dynamic load rating, radial
C_{0r}	890.000 N	Basic static load rating, radial
C_{ur}	64.000 N	Fatigue load limit, radial
n_G	3.150 1/min	Limiting speed
$n_{\vartheta r}$	1.750 1/min	Reference speed
≈m	7,83 kg	Weight

Mounting dimensions

$d_{a\ min}$	198,8 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	251,2 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	2 mm	Maximum recess radius

Dimensions

r_{min}	2 mm	Minimum chamfer dimension
D_1	240,2 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	0,18	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y_1	3,66	Dynamic axial load factor
Y_2	5,46	Dynamic axial load factor
Y_0	3,58	Static axial load factor

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