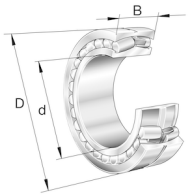
SCHAEFFLER



FAG

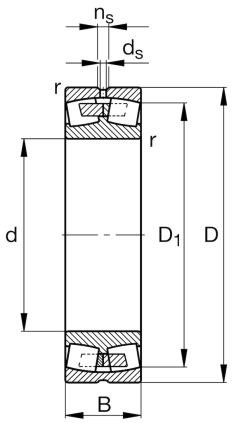
23960-B-MB

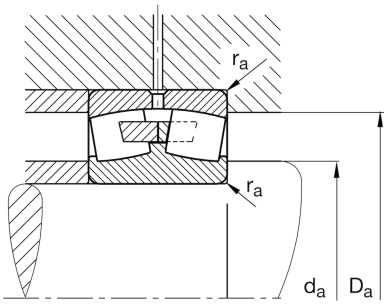
Spherical roller bearing

Schaeffler ID:
0167090470000

Spherical roller bearing 239..-B-MB, symmetric 3 ribs

Technical information





Main Dimensions & Performance Data

d	300 mm	Bore diameter
D	420 mm	Outside diameter
B	90 mm	Width
C_r	1.270.000 N	Basic dynamic load rating, radial
C_{0r}	2.650.000 N	Basic static load rating, radial
C_{ur}	170.000 N	Fatigue load limit, radial
n_G	1.780 1/min	Limiting speed
$n_{\vartheta r}$	1.000 1/min	Reference speed
	39,05 kg	Weight

Additional information

r_{min}	3 mm	Minimum chamfer dimension
D_1	384,6 mm	Bore diameter outer ring
d_s	9,5 mm	Diameter lubrication hole
n_s	17,7 mm	Width of lubricating groove

Mounting dimensions

$d_{a\,min}$	312,4 mm	Minimum diameter shaft shoulder
$D_{a\,max}$	407,6 mm	Maximum diameter of housing shoulder
$r_{a\,max}$	2,5 mm	Maximum recess radius

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

Temperature range

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

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.