

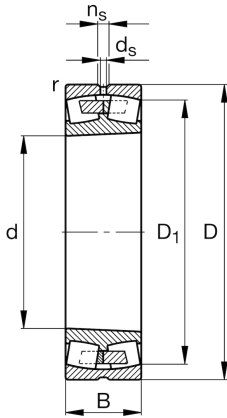
FAG

23972-K-MB

Spherical roller bearing

Schaeffler ID:
0190426630000Spherical roller bearing 239..-K-MB,
symmetric 3 ribs

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	200 °C	Operating temperature max.
	43,8 kg	Weight

Main Dimensions & Performance Data

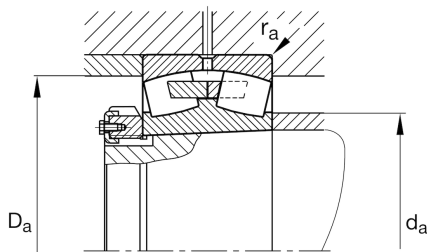
d	360 mm	Bore diameter
D	480 mm	Outside diameter
B	90 mm	Width
C_r	1.440.000 N	Basic dynamic load rating, radial
C_{0r}	3.200.000 N	Basic static load rating, radial
C_{ur}	216.000 N	Fatigue load limit, radial
n_G	1.540 1/min	Limiting speed
n_{gr}	800 1/min	Reference speed

Dimensions

r_{\min}	3 mm	Minimum chamfer dimension
D_1	447,1 mm	Bore diameter outer ring
d_s	9,5 mm	Diameter lubrication hole
n_s	17,7 mm	Width of lubricating groove

Mounting dimensions

$d_{a\min}$	372,4 mm	Minimum diameter shaft shoulder
$D_{a\max}$	467,6 mm	Maximum diameter of housing shoulder
$r_{a\max}$	2,5 mm	Maximum recess radius
$d_{a\max}$	389 mm	Maximum diameter of shaft shoulder
$d_{b\min}$	372 mm	Minimum cavity diameter of the sleeve
$B_{a\min}$	14 mm	Minimum cavity width of the sleeve



Additional information

e	0,17	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H3972-HG	Adapter sleeve
Y ₁	4,05	Dynamic axial load factor
	AH3972G-H	Withdrawal sleeve
Y ₂	6,04	Dynamic axial load factor
Y ₀	3,96	Static axial load factor