

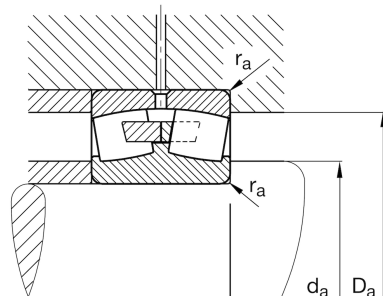
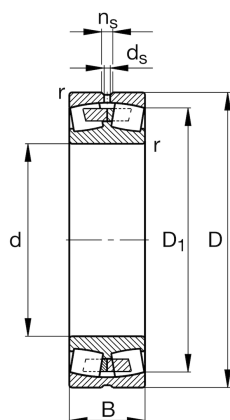
FAG

23972-MB

Spherical roller bearing

Schaeffler ID:
0190427010000Spherical roller bearing 239..-MB,
symmetric 3 ribs

Technical information

**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
	45,235 kg	Weight

Additional information

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

Calculation factors

e	0,17	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	4,05	Dynamic axial load factor
Y_2	6,04	Dynamic axial load factor
Y_0	3,96	Static axial load factor

Temperature range

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