

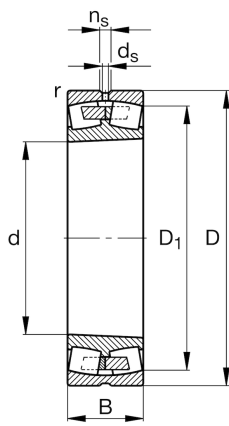
FAG

23936-S-K-MB

Spherical roller bearing

Schaeffler ID:
0190415940000Spherical roller bearings 239..-K, main
dimensions to DIN 635-2, with tapered
bore, taper 1:12

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	200 °C	Operating temperature max.
	7,535 kg	Weight

Main Dimensions & Performance Data

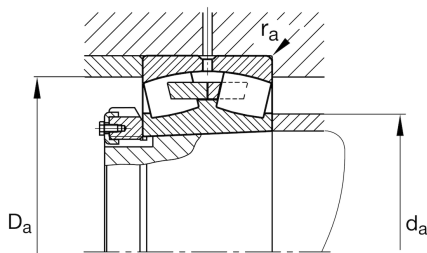
d	180 mm	Bore diameter
D	250 mm	Outside diameter
B	52 mm	Width
C_r	445.000 N	Basic dynamic load rating, radial
C_{0r}	840.000 N	Basic static load rating, radial
C_{ur}	59.000 N	Fatigue load limit, radial
n_G	3.200 1/min	Limiting speed
n_{gr}	1.850 1/min	Reference speed

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

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



Additional information

e	0,2	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H3936	Adapter sleeve
Y ₁	3,42	Dynamic axial load factor
	AH3936	Withdrawal sleeve
Y ₂	5,09	Dynamic axial load factor
Y ₀	3,34	Static axial load factor