

FAG

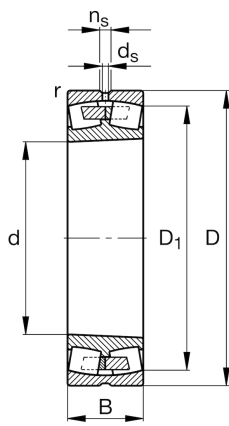
23944-S-K-MB

Spherical roller bearing

Schaeffler ID:
0190418700000

Spherical 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.
	12,02 kg	Weight

Main Dimensions & Performance Data

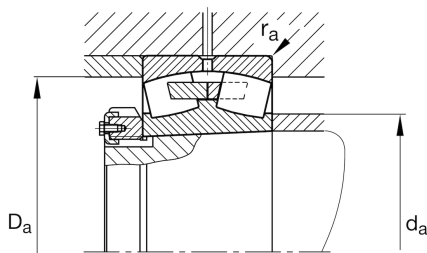
d	220 mm	Bore diameter
D	300 mm	Outside diameter
B	60 mm	Width
C_r	610.000 N	Basic dynamic load rating, radial
C_{0r}	1.240.000 N	Basic static load rating, radial
C_{ur}	74.000 N	Fatigue load limit, radial
n_G	2.600 1/min	Limiting speed
n_{gr}	1.460 1/min	Reference speed

Dimensions

r_{min}	2,1 mm	Minimum chamfer dimension
D_1	277,4 mm	Bore diameter outer ring
d_s	6,3 mm	Diameter lubrication hole
n_s	12,2 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	230,2 mm	Minimum diameter shaft shoulder
$D_{a max}$	289,8 mm	Maximum diameter of housing shoulder
$r_{a max}$	2,1 mm	Maximum recess radius
$d_{a max}$	241 mm	Maximum diameter of shaft shoulder
$d_{b min}$	230 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	9 mm	Minimum cavity width of the sleeve



Additional information

e	0,18	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
	H3944	Adapter sleeve
Y ₁	3,76	Dynamic axial load factor
	AH3944	Withdrawal sleeve
Y ₂	5,59	Dynamic axial load factor
Y ₀	3,67	Static axial load factor