

FAG

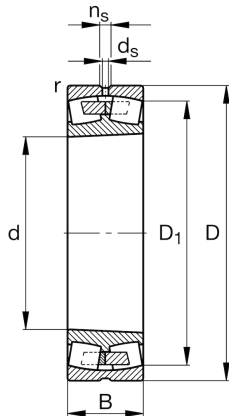
23980-B-K-MB

Spherical roller bearing

Schaeffler ID:
0190430310000

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

Technical information

**Main Dimensions & Performance Data**

d	400 mm	Bore diameter
D	540 mm	Outside diameter
B	106 mm	Width
C_r	1.830.000 N	Basic dynamic load rating, radial
C_{0r}	4.150.000 N	Basic static load rating, radial
C_{ur}	280.000 N	Fatigue load limit, radial
n_G	1.290 1/min	Limiting speed
n_{gr}	710 1/min	Reference speed
	69,44 kg	Weight

Additional information

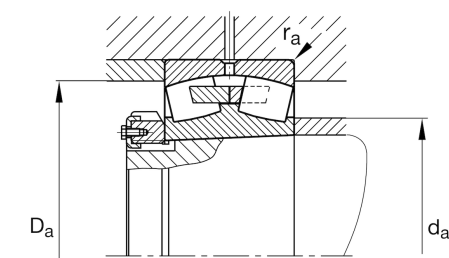
r_{min}	4 mm	Minimum chamfer dimension
	H3980-HG	Adapter sleeve
D_1	499 mm	Bore diameter outer ring
	AH3980G-H	Withdrawal sleeve
d_s	9,5 mm	Diameter lubrication hole
n_s	17,7 mm	Width of lubricating groove

Mounting dimensions

$d_{a min}$	414,6 mm	Minimum diameter shaft shoulder
$D_{a max}$	525,4 mm	Maximum diameter of housing shoulder
$r_{a max}$	3 mm	Maximum recess radius
$d_{a max}$	435 mm	Maximum diameter of shaft shoulder
$d_{b min}$	413 mm	Minimum cavity diameter of the sleeve
$B_{a min}$	15 mm	Minimum cavity width of the sleeve

Calculation factors

e	0,18	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	3,71	Dynamic axial load factor
Y_2	5,52	Dynamic axial load factor
Y_0	3,63	Static axial load factor



Temperature range

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