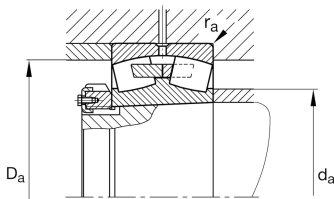


**FAG****23976-K-MB**

Spherical Roller Bearing

Spherical roller bearing 239..-K-MB,
symmetric 3 ribs

Technical information



Your current product variant

Bore type	K	Tapered, taper 1:12
Cage	MB	Solid brass cage
Radial internal clearance	CN (Group N)	Normal internal clearance
Relubrication facility	Standard	

Main Dimensions & Performance Data

d	380 mm	Bore diameter
D	520 mm	Outside diameter
B	106 mm	Width
C_r	1.780.000 N	Basic dynamic load rating, radial
C_{0r}	4.000.000 N	Basic static load rating, radial
C_{ur}	270.000 N	Fatigue load limit, radial
n_G	1.340 1/min	Limiting speed
n_{gr}	750 1/min	Reference speed
$\approx m$	73 kg	Weight

Mounting dimensions

$d_{a \min}$	394,6 mm	Minimum diameter shaft shoulder
$D_{a \max}$	505,4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	3 mm	Maximum recess radius
$d_{a \max}$	415 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	393 mm	Minimum cavity diameter of the sleeve
$B_{a \min}$	15 mm	Minimum cavity width of the sleeve



Dimensions

r_{\min}	4 mm	Minimum chamfer dimension
D_1	477,6 mm	Bore diameter outer ring
d_s	9,5 mm	Diameter lubrication hole
n_s	17,7 mm	Width of lubricating groove

Temperature range

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

Calculation factors

e	0,19	Limiting value of F_a/F_r for the applicability of diff. Values of factors X and Y
Y_1	3,58	Dynamic axial load factor
Y_2	5,33	Dynamic axial load factor
Y_0	3,5	Static axial load factor

Additional information

H3976-HG	Adapter sleeve
AH3976G-H	Withdrawal sleeve



Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Grease Lubrication



Oil Lubrication



Not sealed



Large bearing



Static angular error and misalignment



Dynamic angular error and misalignment