

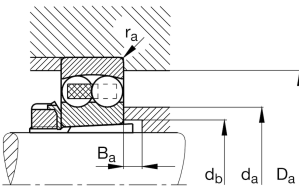
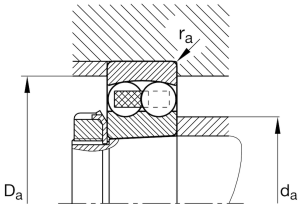
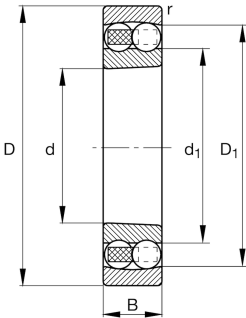
FAG

2318-K-M-C3

Self-aligning ball bearing

Self-aligning ball bearing 23..-K-M, tapered bore taper 1:12, solid brass cage

Technical information

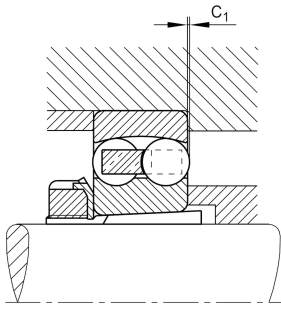


Your current product variant

Bore type	K	Tapered, taper 1:12
Sealing	Without	Not sealed
Cage	M	Solid brass cage, ball guided
Tolerance class	PN	Normal (PN)
Lubricant	Without	Bearing not greased
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN

Main Dimensions & Performance Data

d	90 mm	Bore diameter
D	190 mm	Outside diameter
B	64 mm	Width
C _r	156,000 N	Basic dynamic load rating, radial
C _{0r}	58,000 N	Basic static load rating, radial
C _{ur}	3,100 N	Fatigue load limit, radial
n _G	5,100 1/min	Limiting speed
n _{gr}	5,000 1/min	Reference speed
m	8.35 kg	Weight



Mounting dimensions

d a min	104 mm	Minimum diameter shaft shoulder
d a max	112 mm	Maximum diameter shaft shoulder
D a max	176 mm	Maximum diameter of housing shoulder
d b min	100 mm	Minimum cavity diameter of the sleeve
B a min	7 mm	Minimum cavity width of the sleeve
r a max	2.5 mm	Maximum fillet radius

Dimensions

r min	3 mm	Minimum chamfer dimension
D 1	159.81 mm	Shoulder diameter outer ring
d 1	115.7 mm	Shoulder diameter inner ring
C 1	0.1 mm	Overhang rolling element

Temperature range

T min	-30 °C	Operating temperature min.
T max	150 °C	Operating temperature max.

Calculation factors

e	0.39	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y 1	1.64	Dynamic axial load factor
Y 2	2.53	Dynamic axial load factor
Y 0	1.71	Static axial load factor









Additional information

H2318

Adapter sleeve



Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed
-  Static angular error and misalignment
-  Dynamic angular error and misalignment