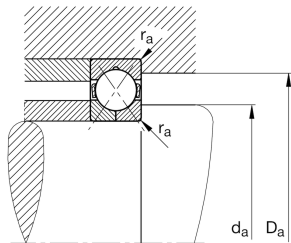
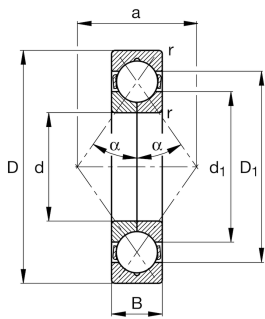


**FAG****QJ316-MPA**

Four-point contact bearing

Four point contact bearing QJ3..-MPA, solid brass cage

## Technical information

**Your current product variant**

Cage	MPA	Solid brass cage, outer ring guided
Tolerance class	PN	Tolerance class PN, acc. to DIN 620
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Axial internal clearance	CN	Group N (CN)

**Main Dimensions & Performance Data**

d	80 mm	Bore diameter
D	170 mm	Outside diameter
B	39 mm	Width
C <sub>r</sub>	226.000 N	Basic dynamic load rating, radial
C <sub>0r</sub>	220.000 N	Basic static load rating, radial
C <sub>ur</sub>	11.100 N	Fatigue load limit, radial
n <sub>G</sub>	7.000 1/min	Limiting speed
n <sub>gr</sub>	3.750 1/min	Reference speed
m	4,65 kg	Weight

**Mounting dimensions**

d <sub>a min</sub>	92 mm	Minimum diameter shaft shoulder
D <sub>a max</sub>	158 mm	Maximum diameter of housing shoulder
r <sub>a max</sub>	2,1 mm	Maximum fillet radius



### Dimensions

$r_{min}$	2,1 mm	Minimum chamfer dimension
$D_1$	140,8 mm	Shoulder diameter outer ring
$d_1$	110,72 mm	Shoulder diameter inner ring
$a$	87,5 mm	Distance between the apexes of the pressure cones
$\alpha$	35 °	Contact angle

### Temperature range

$T_{min}$	-30 °C	Operating temperature min.
$T_{max}$	150 °C	Operating temperature max.

### Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed