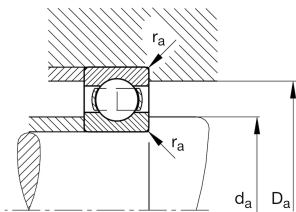
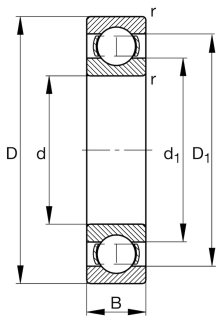
**FAG****6308-M-S1-J20GA-C4**

Deep groove ball bearing

Deep groove ball bearing 63...-M-J20GA,
single row, solid brass cage, ceramic coated

Technical information



Your current product variant

Type of Seal	Without	Not sealed
Cage	M	Solid brass cage, rolling element guided
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
Lubricant	Without	Bearing not greased
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Bore type	Z	Cylindrical
Coating	J20GA	Current insulation, outer ring ceramic coated

Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	90 mm	Outside diameter
B	23 mm	Width
C _r	45.500 N	Basic dynamic load rating, radial
C _{0r}	25.000 N	Basic static load rating, radial
C _{ur}	1.690 N	Fatigue load limit, radial
n _G	14.000 1/min	Limiting speed
n _{gr}	9.000 1/min	Reference speed
≈m	0,72 kg	Weight



Mounting dimensions

$d_{a\min}$	49 mm	Minimum diameter shaft shoulder
$D_{a\max}$	81 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1,5 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1,5 mm	Minimum chamfer dimension
D_1	74,64 mm	Shoulder diameter outer ring
D_2	76,5 mm	Caliber diameter outer ring
d_1	55,55 mm	Shoulder diameter inner ring

Temperature range

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

Calculation factors

f_0	13	Calculation factor
-------	----	--------------------

Characteristics

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