

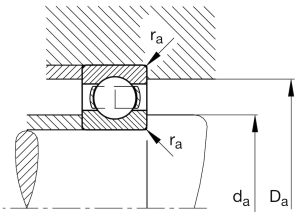
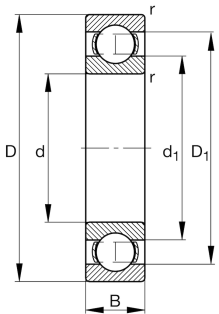
FAG

6415-M [🔗](#)

Deep groove ball bearing

Deep groove ball bearing 64...-M, single row,
solid brass cage

Technical information



Your current product variant

Sealing	Without	Not sealed
Cage	M	Solid brass cage, rolling element guided
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	75 mm	Bore diameter
D	190 mm	Outside diameter
B	45 mm	Width
C _r	141,000 N	Basic dynamic load rating, radial
C _{0r}	97,000 N	Basic static load rating, radial
C _{ur}	6,000 N	Fatigue load limit, radial
n _G	6,600 1/min	Limiting speed
n _{gr}	5,600 1/min	Reference speed
≈m	7 kg	Weight



Mounting dimensions

d _{a min}	91 mm	Minimum diameter shaft shoulder
D _{a max}	174 mm	Maximum diameter of housing shoulder
r _{a max}	2.5 mm	Maximum fillet radius

Dimensions

r _{min}	3 mm	Minimum chamfer dimension
D ₁	151.58 mm	Shoulder diameter outer ring
d ₁	114.38 mm	Shoulder diameter inner ring

Temperature range

T _{min}	-30 °C	Operating temperature min.
T _{max}	150 °C	Operating temperature max.

Calculation factors

f ₀	13.3	Calculation factor
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Characteristics

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