



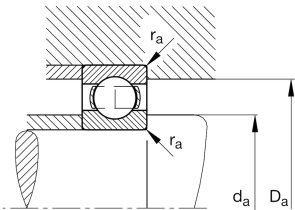
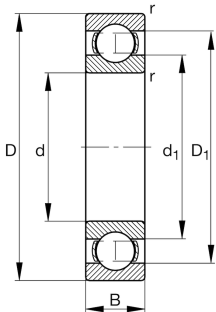
FAG

61822-Y-C3 [🔗](#)

Deep groove ball bearing

Deep groove ball bearing 618...Y, single row,
brass sheet metal cage

Technical information



Your current product variant

Sealing	Without	Not sealed
Cage	Y	Brass sheet metal
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	110 mm	Bore diameter
D	140 mm	Outside diameter
B	16 mm	Width
C _r	30,000 N	Basic dynamic load rating, radial
C _{0r}	30,500 N	Basic static load rating, radial
C _{ur}	1,650 N	Fatigue load limit, radial
n _G	8,500 1/min	Limiting speed
n _{gr}	4,100 1/min	Reference speed
≈m	0.5 kg	Weight



Mounting dimensions

d _{a min}	114.6 mm	Minimum diameter shaft shoulder
D _{a max}	135.4 mm	Maximum diameter of housing shoulder
r _{a max}	1 mm	Maximum fillet radius

Dimensions

r _{min}	1 mm	Minimum chamfer dimension
D ₁	130.61 mm	Shoulder diameter outer ring
d ₁	119.7 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	16	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