



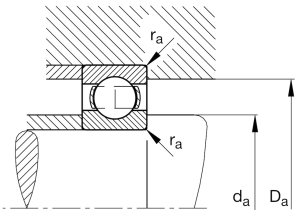
FAG

61817-Y

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	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	85 mm	Bore diameter
D	110 mm	Outside diameter
B	13 mm	Width
C _r	20,400 N	Basic dynamic load rating, radial
C _{0r}	19,800 N	Basic static load rating, radial
C _{ur}	1,160 N	Fatigue load limit, radial
n _G	11,100 1/min	Limiting speed
n _{gr}	4,900 1/min	Reference speed
≈m	0.28 kg	Weight



Mounting dimensions

$d_{a\min}$	89.6 mm	Minimum diameter shaft shoulder
$D_{a\max}$	105.4 mm	Maximum diameter of housing shoulder
$r_{a\max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
D_1	101.97 mm	Shoulder diameter outer ring
d_1	93.2 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	16.2	Calculation factor
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Characteristics

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