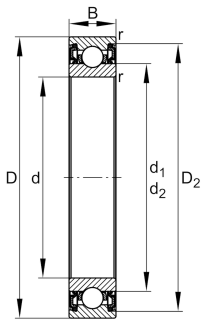
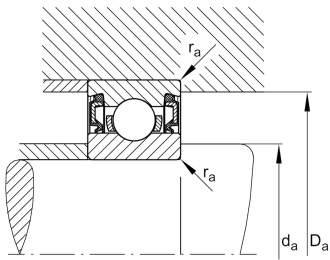


**FAG****61817-2RZ-Y**

## Deep groove ball bearing

Deep groove ball bearing 618...-2RZ-Y, single row, shields, brass sheet metal cage

## Technical information



## Your current product variant

Sealing	2RZ	Non-contact seal on both sides
Cage	Y	Brass sheet metal
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	GA13	Ball bearing and insert bearing grease, standard for D>62mm
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

## Main Dimensions &amp; Performance Data

d	85 mm	Bore diameter
D	110 mm	Outside diameter
B	13 mm	Width
C <sub>r</sub>	20,400 N	Basic dynamic load rating, radial
C <sub>0r</sub>	19,800 N	Basic static load rating, radial
C <sub>ur</sub>	1,160 N	Fatigue load limit, radial
n <sub>G</sub>	7,200 1/min	Limiting speed
n <sub>gr</sub>	4,900 1/min	Reference speed
m	290 g	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
$D_2$	104.2 mm	Caliber diameter outer ring
$d_1$	93.2 mm	Shoulder diameter inner ring







Temperature range

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	100 °C	Operating temperature max.

Calculation factors

$f_0$	16.2	Calculation factor
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Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Lifetime lubrication, freedom from maintenance
	Grease Lubrication
	Sealed on both sides