



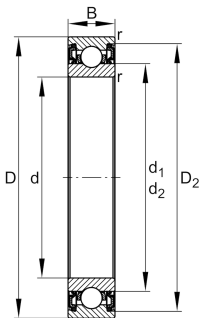
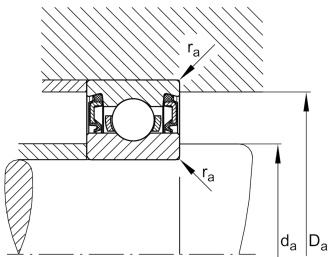
FAG

61824-2RZ-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 & Performance Data

d	120 mm	Bore diameter
D	150 mm	Outside diameter
B	16 mm	Width
C _r	30,500 N	Basic dynamic load rating, radial
C _{0r}	33,000 N	Basic static load rating, radial
C _{ur}	1,730 N	Fatigue load limit, radial
n _G	5,100 1/min	Limiting speed
n _{gr}	3,750 1/min	Reference speed
m	0.58 kg	Weight



Mounting dimensions

$d_{a\ min}$	124.6 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	145.4 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	1 mm	Maximum fillet radius

Dimensions

$r_{\min}$	1 mm	Minimum chamfer dimension
D_1	140.61 mm	Shoulder diameter outer ring
D_2	143.3 mm	Caliber diameter outer ring
d_1	129.7 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	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