



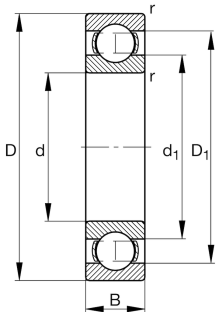
FAG

61824-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	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	7,900 1/min	Limiting speed
n _{gr}	3,750 1/min	Reference speed
≈m	0.55 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 1	129.7 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
-----	----	--------------------

Characteristics

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