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26.12.2024, 06:29:19 UTC

SCHAEFFLER



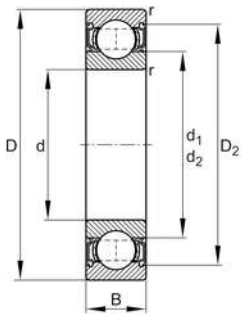
FAG

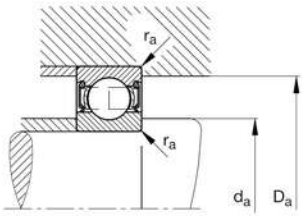
61824-2RSR-Y

Deep groove ball bearing

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

Technical information





Your current product variant

Sealing	2RSR	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	2,060 1/min	Limiting 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

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product.For further information you can use the contact form on our website

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

Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Lifetime lubrication, freedom from maintenance


Grease Lubrication


Sealed on both sides

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