

**FAG****61822-2RSR-C3**

Deep groove ball bearing

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

Technical information



Your current product variant

Sealing	2RSR	Contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	GA13	Ball bearing and insert bearing grease
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	110 mm	Bore diameter
D	140 mm	Outside diameter
B	16 mm	Width
C_r	30.000 N	Basic dynamic load rating, radial
C_{0r}	30.500 N	Basic static load rating, radial
C_{ur}	1.650 N	Fatigue load limit, radial
n_G	2.230 1/min	Limiting speed
m	0,51 kg	Weight

Mounting dimensions

$d_{a \min}$	114,6 mm	Minimum diameter shaft shoulder
$D_{a \max}$	135,4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius



Dimensions

r_{min}	1 mm	Minimum chamfer dimension
D_1	130,61 mm	Shoulder diameter outer ring
D_2	133,3 mm	Caliber diameter outer ring
d_1	119,7 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