

**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
-------	----	--------------------

Characteristics

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