

**FAG****63002-A-2RSR**

Deep groove ball bearing

Deep groove ball bearing 630..-A-2RSR,
single row, seals, steel sheet metal cage

Technical information

**Your current product variant**

Changed internal design	A	Design variant A
Sealing	2RSR	Contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Lubricating grease	
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	15 mm	Bore diameter
D	32 mm	Outside diameter
B	13 mm	Width
C _r	5,700 N	Basic dynamic load rating, radial
C _{0r}	2,850 N	Basic static load rating, radial
C _{ur}	174 N	Fatigue load limit, radial
n _G	13,100 1/min	Limiting speed
≈m	42.8 g	Weight



Mounting dimensions

$d_{a \min}$	17 mm	Minimum diameter shaft shoulder
$D_{a \max}$	30 mm	Maximum diameter of housing shoulder
$r_{a \max}$	0.3 mm	Maximum fillet radius

Dimensions

r_{\min}	0.3 mm	Minimum chamfer dimension
D_1	26.75 mm	Shoulder diameter outer ring
D_2	28.8 mm	Caliber diameter outer ring
d_1	20.45 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	14	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