

**FAG****62307-A-2RSR**

Deep groove ball bearing

Deep groove ball bearing 623..-A-2RSR,
single row, 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	35 mm	Bore diameter
D	80 mm	Outside diameter
B	31 mm	Width
C_r	35,500 N	Basic dynamic load rating, radial
C_{0r}	19,200 N	Basic static load rating, radial
C_{ur}	1,330 N	Fatigue load limit, radial
n_G	5,300 1/min	Limiting speed
$\approx m$	0.65 kg	Weight



Mounting dimensions

$d_{a \min}$	44 mm	Minimum diameter shaft shoulder
$D_{a \max}$	71 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1.5 mm	Maximum fillet radius

Dimensions

r_{\min}	1.5 mm	Minimum chamfer dimension
D_1	66.9 mm	Shoulder diameter outer ring
D_2	70.1 mm	Caliber diameter outer ring
d_1	50.07 mm	Shoulder diameter inner ring
d_2	46.2 mm	Caliber diameter inner ring

Temperature range

T_{\min}	-20 °C	Operating temperature min.
T_{\max}	100 °C	Operating temperature max.

Calculation factors

f_0	13.2	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