

**FAG****62205-A-2RSR-C3**

Deep groove ball bearing

Deep groove ball bearing 622...-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	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	25 mm	Bore diameter
D	52 mm	Outside diameter
B	18 mm	Width
C _r	14,900 N	Basic dynamic load rating, radial
C _{0r}	7,900 N	Basic static load rating, radial
C _{ur}	540 N	Fatigue load limit, radial
n _G	7,900 1/min	Limiting speed
≈m	0.155 kg	Weight



Mounting dimensions

$d_{a \min}$	30.6 mm	Minimum diameter shaft shoulder
$D_{a \max}$	46.4 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius

Dimensions

r_{\min}	1 mm	Minimum chamfer dimension
D_1	44.05 mm	Shoulder diameter outer ring
D_2	46.3 mm	Caliber diameter outer ring
d_1	33.95 mm	Shoulder diameter inner ring
d_2	31.8 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	13.9	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