

**FAG****6208-2RSR**

Deep groove ball bearing

Deep groove ball bearing 62...-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	SN	Rings dimensional stabilized up to 120°
Lubricant	GA13	Ball bearing and insert bearing grease
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	40 mm	Bore diameter
D	80 mm	Outside diameter
B	18 mm	Width
C_r	31,000 N	Basic dynamic load rating, radial
C_{0r}	17,800 N	Basic static load rating, radial
C_{ur}	1,080 N	Fatigue load limit, radial
n_G	5,000 1/min	Limiting speed
m	0.37 kg	Weight

Mounting dimensions

$d_{a \min}$	47 mm	Minimum diameter shaft shoulder
$D_{a \max}$	73 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1 mm	Maximum fillet radius



Dimensions

r_{\min}	1.1 mm	Minimum chamfer dimension
D_1	67.6 mm	Shoulder diameter outer ring
D_2	70.36 mm	Caliber diameter outer ring
d_1	52.95 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
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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