



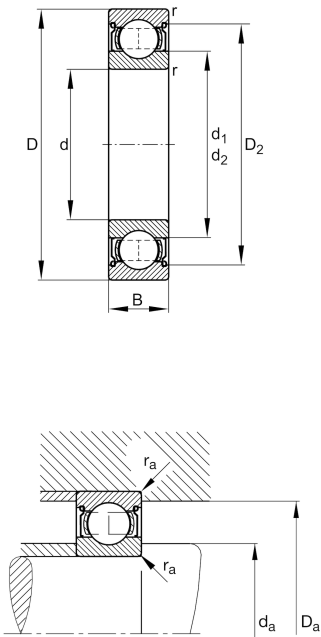
FAG

6210-2Z-L207-C3

Deep groove ball bearing

Deep groove ball bearing 62...-2Z, single row, shields, steel sheet metal cage

Technical information



Your current product variant

Sealing	2Z	Non-contact shield on both sides
Cage	JN	Steel sheet metal
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	L207	low noise high-temperature grease, interchangeable with grease L069
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	90 mm	Outside diameter
B	20 mm	Width
C _r	39,000 N	Basic dynamic load rating, radial
C _{0r}	24,200 N	Basic static load rating, radial
C _{ur}	1,460 N	Fatigue load limit, radial
n _G	9,000 1/min	Limiting speed
n _{gr}	8,200 1/min	Reference speed
m	464 g	Weight



Mounting dimensions

$d_{a\min}$	57 mm	Minimum diameter shaft shoulder
$D_{a\max}$	83 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	77.92 mm	Shoulder diameter outer ring
D_2	80.04 mm	Caliber diameter outer ring
d_1	62 mm	Shoulder diameter inner ring

Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.

Calculation factors

f_0	14.3	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