

**FAG****6210-C-HRS**

Deep groove ball bearing

Deep groove ball bearing 62...-C-HRS, single row, Generation C, seal, steel sheet metal cage

Technical information



Your current product variant

Changed internal design	C	GenerationC
Sealing	HRS	Contact seal on one side
Cage	JN	Steel sheet metal
Tolerance class	P6	Class6 (P6), better than PN
Dimensional / heat stabilization	SN	Rings dimensional stabilized up to 120°
Lubricant	Without	Bearing not greased
Radial internal clearance	CN (Group N)	Normal internal clearance
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	50 mm	Bore diameter
D	90 mm	Outside diameter
B	20 mm	Width
C_r	40,000 N	Basic dynamic load rating, radial
C_{0r}	23,200 N	Basic static load rating, radial
C_{ur}	1,610 N	Fatigue load limit, radial
n_G	6,500 1/min	Limiting speed
$\approx m$	0.426 kg	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	78.64 mm	Shoulder diameter outer ring
D 2	81.65 mm	Caliber diameter outer ring
d 1	61.87 mm	Shoulder diameter inner ring
d 2	59.23 mm	Caliber diameter inner ring

Temperature range

T min	-30 °C	Operating temperature min.
T max	100 °C	Operating temperature max.

Calculation factors

f 0	14.4	Calculation factor
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Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Sealed on one side