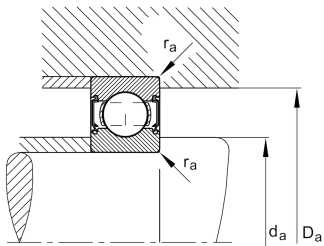
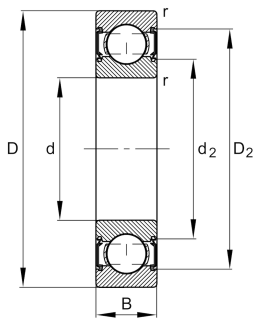


**FAG****6312-C-2HRS-C3**

Deep groove ball bearing

Deep groove ball bearing 63...-C-2HRS, single row, Generation C, seals, steel sheet metal cage

Technical information



Your current product variant

Changed internal design	C	GenerationC
Type of Seal	2HRS	Contact seal on both sides
Cage	JN	Steel sheet metal
Tolerance class	P6	Class 6 (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	GA13	Ball bearing and insert bearing grease
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	60 mm	Bore diameter
D	130 mm	Outside diameter
B	31 mm	Width
C_r	89.000 N	Basic dynamic load rating, radial
C_{0r}	52.000 N	Basic static load rating, radial
C_{ur}	3.600 N	Fatigue load limit, radial
n_G	4.800 1/min	Limiting speed
$\approx m$	1,703 kg	Weight



Mounting dimensions

d a min	72 mm	Minimum diameter shaft shoulder
D a max	118 mm	Maximum diameter of housing shoulder
r a max	2,1 mm	Maximum fillet radius

Dimensions

r min	2,1 mm	Minimum chamfer dimension
D 1	109,02 mm	Shoulder diameter outer ring
D 2	112,14 mm	Caliber diameter outer ring
d 1	81,7 mm	Shoulder diameter inner ring
d 2	79,58 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