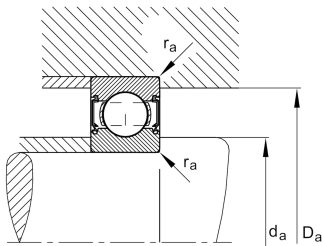
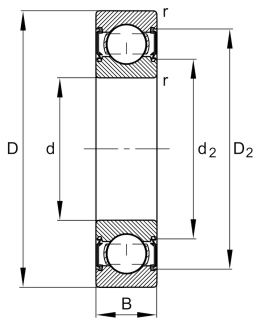


**FAG****HC6312-C-2HRS-L207-C3**

Deep groove ball bearing

Deep groove ball bearing HC63...-C-2HRS,
Hybrid bearing, single row, Generation C,
seals, steel sheet metal cage

Technical information



Your current product variant

Material Bearing	HC	Hybrid bearing, rolling elements ceramic, bearing rings made of steel
Changed internal design	C	GenerationC
Type of Sealing	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	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	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}	49.500 N	Basic static load rating, radial
C _{ur}	2.650 N	Fatigue load limit, radial
n _G	4.800 1/min	Limiting speed
m	1,53 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

$T_{\ min}$	-30 °C	Operating temperature min.
$T_{\ max}$	100 °C	Operating temperature max.

Calculation factors

f_0	12,5	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
	Current insulated