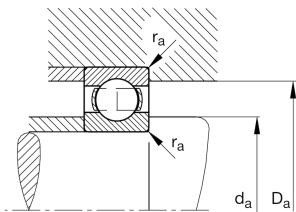
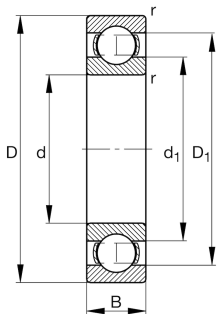
**FAG****HC6330-M-C3**

Deep groove ball bearing

Deep groove ball bearing HC63...-M, Hybrid bearing, single row, solid brass cage

Technical information



Your current product variant

Material Bearing	HC	Hybrid bearing, rolling elements ceramic, bearing rings made of steel
Type of Sealing	Without	Not sealed
Cage	M	Solid brass cage, rolling element guided
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S1	Rings dimensional stabilized up to 200°
Lubricant	Without	Bearing not greased
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	150 mm	Bore diameter
D	320 mm	Outside diameter
B	65 mm	Width
C _r	350.000 N	Basic dynamic load rating, radial
C _{0r}	380.000 N	Basic static load rating, radial
C _{ur}	9.800 N	Fatigue load limit, radial
n _G	4.350 1/min	Limiting speed
n _{gr}	3.200 1/min	Reference speed
m	23,8 kg	Weight



Mounting dimensions

$d_{a\ min}$	167 mm	Minimum diameter shaft shoulder
$D_{a\ max}$	303 mm	Maximum diameter of housing shoulder
$r_{a\ max}$	3 mm	Maximum fillet radius

Dimensions

$r_{\ min}$	4 mm	Minimum chamfer dimension
D_1	266,2 mm	Shoulder diameter outer ring
d_1	205,5 mm	Shoulder diameter inner ring

Temperature range

$T_{\ min}$	-30 °C	Operating temperature min.
$T_{\ max}$	200 °C	Operating temperature max.

Calculation factors

f_0	18	Calculation factor
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Characteristics

	Radial load
	Axial load in one direction
	Axial load in two directions
	Grease Lubrication
	Oil Lubrication
	Not sealed
	Current insulated
	Large bearing