

**FAG****HC6328-M-C4**

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
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	C4 (Group 4)	Internal clearance larger than C3
Bore type	Z	Cylindrical

Main Dimensions & Performance Data

d	140 mm	Bore diameter
D	300 mm	Outside diameter
B	62 mm	Width
C_r	310.000 N	Basic dynamic load rating, radial
C_{0r}	310.000 N	Basic static load rating, radial
C_{ur}	8.400 N	Fatigue load limit, radial
n_G	4.600 1/min	Limiting speed
n_{gr}	3.500 1/min	Reference speed
$\approx m$	19,9 kg	Weight



Mounting dimensions

$d_{a \min}$	157 mm	Minimum diameter shaft shoulder
$D_{a \max}$	283 mm	Maximum diameter of housing shoulder
$r_{a \max}$	3 mm	Maximum fillet radius

Dimensions

r_{\min}	4 mm	Minimum chamfer dimension
D_1	248,8 mm	Shoulder diameter outer ring
d_1	191,2 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	17,1	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