

**FAG****HC6322-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
Sealing	Without	Not sealed
Cage	M	Solid brass cage, rolling element guided
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN
Bore type	Z	Cylindrical

## Main Dimensions &amp; Performance Data

d	110 mm	Bore diameter
D	240 mm	Outside diameter
B	50 mm	Width
$C_r$	234.000 N	Basic dynamic load rating, radial
$C_{0r}$	215.000 N	Basic static load rating, radial
$C_{ur}$	6.400 N	Fatigue load limit, radial
$n_G$	5.900 1/min	Limiting speed
$n_{gr}$	4.450 1/min	Reference speed
$\approx m$	10,533 kg	Weight



### Mounting dimensions

$d_{a \min}$	124 mm	Minimum diameter shaft shoulder
$D_{a \max}$	226 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,5 mm	Maximum fillet radius

### Dimensions

$r_{\min}$	3 mm	Minimum chamfer dimension
$D_1$	197,54 mm	Shoulder diameter outer ring
$d_1$	153,26 mm	Shoulder diameter inner ring

### Temperature range

$T_{\min}$	-30 °C	Operating temperature min.
$T_{\max}$	150 °C	Operating temperature max.

### Calculation factors

$f_0$	17,9	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