

**FAG****HC6220-M-C4**

Deep groove ball bearing

Deep groove ball bearing HC62..-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 Seal	Without	Not sealed
Cage	M	Solid brass cage, rolling element guided
Tolerance class	PN	Normal (PN)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	Without	Bearing not greased
Radial internal clearance	C4 (Group 4)	Internal clearance larger than C3
Bore type	Z	Cylindrical

## Main Dimensions &amp; Performance Data

d	100 mm	Bore diameter
D	180 mm	Outside diameter
B	34 mm	Width
$C_r$	149.000 N	Basic dynamic load rating, radial
$C_{0r}$	120.000 N	Basic static load rating, radial
$C_{ur}$	4.050 N	Fatigue load limit, radial
$n_G$	7.800 1/min	Limiting speed
$n_{gr}$	5.300 1/min	Reference speed
$\approx m$	3,45 kg	Weight



### Mounting dimensions

$d_{a \min}$	112 mm	Minimum diameter shaft shoulder
$D_{a \max}$	168 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2,1 mm	Maximum fillet radius

### Dimensions

$r_{\min}$	2,1 mm	Minimum chamfer dimension
$D_1$	154,94 mm	Shoulder diameter outer ring
$d_1$	125,08 mm	Shoulder diameter inner ring

### Temperature range

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

### Calculation factors

$f_0$	18,6	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