

**FAG****4212-B-TVH-C3**

Deep groove ball bearing

Deep groove ball bearing 42...-B-TVH, double row, plastic cage

## Technical information



## Your current product variant

Design variant	B	Bearing without filling slot
Tolerance class	PN	Normal (PN)
Cage	TVH	Solid cage made of glass-fiber reinforced polyamid PA66
Lubricant	Lubricating grease	
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Radial internal clearance	C3 (Group 3)	Internal clearance larger than CN

## Main Dimensions &amp; Performance Data

d	60 mm	Bore diameter
D	110 mm	Outside diameter
B	28 mm	Width
$C_r$	56.000 N	Basic dynamic load rating, radial
$C_{0r}$	56.000 N	Basic static load rating, radial
$C_{ur}$	2.900 N	Fatigue load limit, radial
$n_G$	5.900 1/min	Limiting speed
$n_{gr}$	5.400 1/min	Reference speed
$\approx m$	1,09 kg	Weight

## Mounting dimensions

$d_{a \min}$	69 mm	Minimum diameter shaft shoulder
$D_{a \max}$	101 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum fillet radius



### Dimensions

$r_{\min}$	1,5 mm	Minimum chamfer dimension
$D_1$	95,34 mm	Shoulder diameter outer ring
$d_1$	79,8 mm	Shoulder diameter inner ring






### Temperature range

$T_{\min}$	-20 °C	Operating temperature min.
$T_{\max}$	120 °C	Operating temperature max.

### Calculation factors

$f_0$	15	Calculation factor
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### Characteristics

-  Radial load
-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Not sealed