

**FAG****4216-B-TVH**

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 (ISO 492:2023)
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	CN (Group N)	Normal internal clearance

## Main Dimensions &amp; Performance Data

d	80 mm	Bore diameter
D	140 mm	Outside diameter
B	33 mm	Width
$C_r$	81,000 N	Basic dynamic load rating, radial
$C_{0r}$	90,000 N	Basic static load rating, radial
$C_{ur}$	4,500 N	Fatigue load limit, radial
$n_G$	4,450 1/min	Limiting speed
$n_{gr}$	4,200 1/min	Reference speed
$\approx m$	1.98 kg	Weight

## Mounting dimensions

$d_{a \min}$	91 mm	Minimum diameter shaft shoulder
$D_{a \max}$	129 mm	Maximum diameter of housing shoulder
$r_{a \max}$	2 mm	Maximum fillet radius



### Dimensions

$r_{min}$	2 mm	Minimum chamfer dimension
$D_1$	124 mm	Shoulder diameter outer ring
$d_1$	105.2 mm	Shoulder diameter inner ring






### Temperature range

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

### Calculation factors

$f_0$	15.7	Calculation factor
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### Characteristics

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