

**FAG****4214-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 (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	CN (Group N)	Normal internal clearance

Main Dimensions & Performance Data

d	70 mm	Bore diameter
D	125 mm	Outside diameter
B	31 mm	Width
C_r	70.000 N	Basic dynamic load rating, radial
C_{0r}	71.000 N	Basic static load rating, radial
C_{ur}	3.700 N	Fatigue load limit, radial
n_G	5.100 1/min	Limiting speed
n_{gr}	4.800 1/min	Reference speed
$\approx m$	1,521 kg	Weight

Mounting dimensions

$d_{a \min}$	79 mm	Minimum diameter shaft shoulder
$D_{a \max}$	116 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	109,44 mm	Shoulder diameter outer ring
d_1	91,7 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