

**FAG****3220-BB-2RSR-TVH**

Angular contact ball bearing

Angular contact ball bearing 32..-B-2RSR-TVH, double row, seals, plastic cage



Technical information

**Your current product variant**

Design variant	B	Bearing without filling slot
Sealing	2RSR	Contact seal on both sides
Cage	TVH	Solid cage made of glass-fiber reinforced polyamide PA66
Tolerance class	PN	Normal (ISO 492:2023)
Dimensional / heat stabilization	S0	Rings dimensional stabilized up to 150°
Lubricant	GA13	Ball bearing and insert bearing grease
Axial internal clearance	CN	Group N (CN)

Main Dimensions & Performance Data

d	100 mm	Bore diameter
D	180 mm	Outside diameter
B	60,3 mm	Width
C_r	185.000 N	Basic dynamic load rating, radial
C_{0r}	173.000 N	Basic static load rating, radial
C_{ur}	7.600 N	Fatigue load limit, radial
n_G	2.140 1/min	Limiting speed
$\approx m$	5,52 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	155,7 mm	Shoulder diameter outer ring
D_2	158,9 mm	Caliber diameter outer ring
d_1	124,7 mm	Shoulder diameter inner ring
a	91,3 mm	Distance between the apexes of the pressure cones
α	25 °	Contact angle

Temperature range

T_{\min}	-20 °C	Operating temperature min.
T_{\max}	100 °C	Operating temperature max.

Characteristics



Radial load



Axial load in one direction



Axial load in two directions



Lifetime lubrication, freedom from maintenance



Grease Lubrication



Sealed on both sides