

**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
$\alpha$	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