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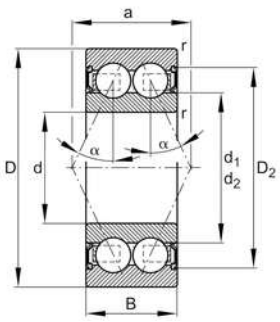


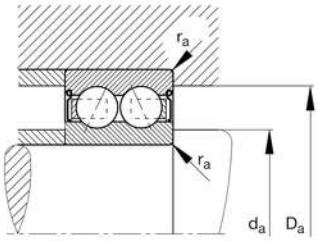
# 3201-BB-2RSR-TVH

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 polyamid PA66 |
| Tolerance class | PN | Normal (PN) |
| Dimensional / heat stabilization | SN | Rings dimensional stabilized up to 120° |
| Lubricant | GA14 | Ball bearing grease, low noise, standard for D<=62mm |
| Axial internal clearance | CN | Group N (CN) |

### Main Dimensions & Performance Data

| | | |
|---|---|---|
| d | 12 mm | Bore diameter |
| D | 32 mm | Outside diameter |
| B | 15.9 mm | Width |
| $C_r$ | 10,500 N | Basic dynamic load rating, radial |
| $C_{0r}$ | 5,800 N | Basic static load rating, radial |
| $C_{ur}$ | 300 N | Fatigue load limit, radial |
| $n_G$ | 15,000 1/min | Limiting speed |
| ≈m | 0.056 kg | Weight |

The datasheet is only an overview of dimensions and basic load ratings of the selected product. Please always observe all further information and guidelines for this product.For further information you can use the contact form on our website

## Mounting dimensions

| | | |
|---|---|---|
| $d_{a\ min}$ | 16.2 mm | Minimum diameter shaft shoulder |
| $D_{a\ max}$ | 27.8 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 0.6 mm | Maximum fillet radius |

## Dimensions

| | | |
|---|---|---|
| $r_{min}$ | 0.6 mm | Minimum chamfer dimension |
| $D_1$ | 25.99 mm | Shoulder diameter outer ring |
| $D_2$ | 27.77 mm | Caliber diameter outer ring |
| $d_1$ | 17.8 mm | Shoulder diameter inner ring |
| $d_2$ | 17.2 mm | Caliber diamter inner ring |
| a | 16.5 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

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