



FAG

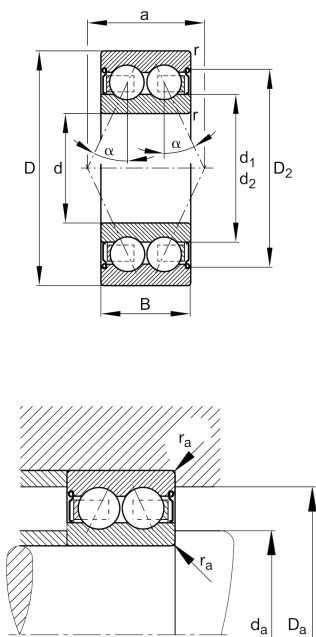
30/6-B-2Z-TVH

Angular contact ball bearing

Angular contact ball bearing 30..-B-2Z-TVH,  
double row, shields, plastic cage



Informacje techniczne



Twoja aktualna wersja produktu

|                                  |      |                                                          |
|----------------------------------|------|----------------------------------------------------------|
| Version code                     | >C   | Not marked on bearing                                    |
| Design variant                   | B    | Bearing without filling slot                             |
| Sealing                          | 2Z   | Non-contact shield on both sides                         |
| Cage                             | TVH  | Solid cage made of glass-fiber reinforced polyamide PA66 |
| Tolerance class                  | PN   | Normal (ISO 492:2023)                                    |
| Dimensional / heat stabilization | SN   | Rings dimensional stabilized up to 120°                  |
| Lubricant                        | GA14 | Ball bearing grease, low noise                           |
| Axial internal clearance         | CN   | Group N (CN)                                             |

Main Dimensions & Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 6 mm         | Bore diameter                     |
| D               | 17 mm        | Outside diameter                  |
| B               | 9 mm         | Width                             |
| C <sub>r</sub>  | 3.050 N      | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 1.400 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 74 N         | Fatigue load limit, radial        |
| n <sub>G</sub>  | 31.500 1/min | Limiting speed                    |
| n <sub>gr</sub> | 32.000 1/min | Reference speed                   |
| ≈m              | 11 g         | Masa                              |



Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a\ min}$ | 8 mm   | Minimum diameter shaft shoulder      |
| $D_{a\ max}$ | 15 mm  | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 0,3 mm | Maximum fillet radius                |

Dimensions

|             |          |                                                   |
|-------------|----------|---------------------------------------------------|
| $r_{\ min}$ | 0,3 mm   | Minimum chamfer dimension                         |
| $D_{\ 1}$   | 13,42 mm | Shoulder diameter outer ring                      |
| $D_{\ 2}$   | 14,8 mm  | Caliber diameter outer ring                       |
| $d_{\ 1}$   | 9,58 mm  | Shoulder diameter inner ring                      |
| $d_{\ 2}$   | 8,3 mm   | Caliber diamter inner ring                        |
| $a$         | 8,8 mm   | Distance between the apexes of the pressure cones |
| $\alpha$    | 25 °     | Contact angle                                     |

Temperature range

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

Właściwości

|                                                                                     |                                     |
|-------------------------------------------------------------------------------------|-------------------------------------|
|  | Obciążenie promieniowe              |
|  | Obciążenie osiowe jednokierunkowe   |
|  | Obciążenie osiowe dwukierunkowe     |
|  | Smarowanie dożywotnie, bezobsługowe |
|  | Smarowanie smarem                   |
|  | Uszczelnienie dwustronne            |