

**3814-2RS**

## Angular contact ball bearing

Angular contact ball bearing 38...-B-2RS-TVH,  
double row, seals, plastic cage

## Informacje techniczne



## Twoja aktualna wersja produktu

|                                  |      |                                                          |
|----------------------------------|------|----------------------------------------------------------|
| Design variant                   | B    | Bearing without filling slot                             |
| Sealing                          | 2RS  | 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 | SN   | Rings dimensional stabilized up to 120°                  |
| Lubricant                        | GA13 | Ball bearing and insert bearing grease                   |
| Axial internal clearance         | CN   | Group N (CN)                                             |

## Main Dimensions &amp; Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 70 mm       | Bore diameter                     |
| D               | 90 mm       | Outside diameter                  |
| B               | 15 mm       | Width                             |
| C <sub>r</sub>  | 18.800 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 23.200 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 1.310 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 3.450 1/min | Limiting speed                    |
| m               | 0,205 kg    | Masa                              |



### Mounting dimensions

|              |         |                                      |
|--------------|---------|--------------------------------------|
| $d_{a \min}$ | 73,2 mm | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 86,8 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 0,6 mm  | Maximum fillet radius                |

### Dimensions

|            |          |                                                   |
|------------|----------|---------------------------------------------------|
| $r_{\min}$ | 0,6 mm   | Minimum chamfer dimension                         |
| $D_1$      | 84,48 mm | Shoulder diameter outer ring                      |
| $D_2$      | 86,32 mm | Caliber diameter outer ring                       |
| $d_1$      | 77,7 mm  | Shoulder diameter inner ring                      |
| $d_2$      | 76,48 mm | Caliber diameter inner ring                       |
| $a$        | 43,6 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. |

### Właściwości

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