



FAG



X-life

3213-BD-XL-2Z-TVH-C3

Angular contact ball bearing

Angular contact ball bearing 32..-BD-XL-2Z-TVH, double row, X-life, shields, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

|                                  |      |                                                          |
|----------------------------------|------|----------------------------------------------------------|
| Design variant                   | B    | Bearing without filling slot                             |
| Changed internal design          | D    | D                                                        |
| Sealing                          | 2Z   | Non-contact shield on both sides                         |
| Cage                             | TVH  | Solid cage made of glass-fiber reinforced polyamide PA66 |
| Tolerance class                  | P6   | Class 6 (ISO 492:2023)                                   |
| Dimensional / heat stabilization | S0   | Rings dimensional stabilized up to 150°                  |
| Lubricant                        | GA13 | Ball bearing and insert bearing grease                   |
| Axial internal clearance         | C3   | Group 3 (C3), bigger than CN                             |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 65 mm       | Bore diameter                     |
| D               | 120 mm      | Outside diameter                  |
| B               | 38,1 mm     | Width                             |
| C <sub>r</sub>  | 86.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 77.000 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 5.300 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 4.300 1/min | Limiting speed                    |
| n <sub>gr</sub> | 6.000 1/min | Reference speed                   |
| m               | 1,633 kg    | Masa                              |



Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a\ min}$ | 74 mm  | Minimum diameter shaft shoulder      |
| $D_{a\ max}$ | 111 mm | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 1,5 mm | Maximum fillet radius                |

Dimensions

|             |           |                                                   |
|-------------|-----------|---------------------------------------------------|
| $r_{\ min}$ | 1,5 mm    | Minimum chamfer dimension                         |
| $D_{\ 1}$   | 106,64 mm | Shoulder diameter outer ring                      |
| $D_{\ 2}$   | 110,13 mm | Caliber diameter outer ring                       |
| $d_{\ 1}$   | 87,7 mm   | Shoulder diameter inner ring                      |
| $d_{\ 2}$   | 85,28 mm  | Caliber diamter inner ring                        |
| $a$         | 70,7 mm   | Distance between the apexes of the pressure cones |
| $\alpha$    | 30 °      | Contact angle                                     |

Temperature range

|             |        |                            |
|-------------|--------|----------------------------|
| $T_{\ min}$ | -30 °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            |