



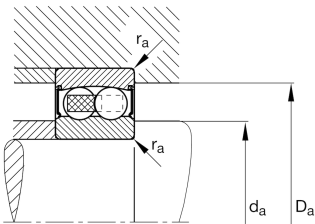
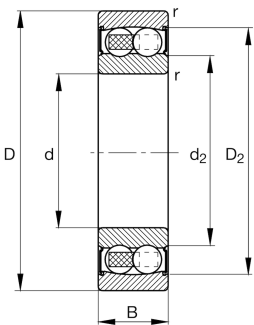
FAG

2304-2RS-TVH

Self-aligning ball bearing

Self-aligning ball bearing 23..-2RS-TVH,  
seals, plastic cage

Informacje techniczne



Twoja aktualna wersja produktu

|                           |              |                                                          |
|---------------------------|--------------|----------------------------------------------------------|
| Bore type                 | Z            | Cylindrical                                              |
| 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)                                    |
| Radial internal clearance | CN (Group N) | Normal internal clearance                                |
| Lubricant                 | GA14         | Ball bearing grease, low noise                           |

Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 20 mm       | Bore diameter                     |
| D               | 52 mm       | Outside diameter                  |
| B               | 21 mm       | Width                             |
| C <sub>r</sub>  | 12.700 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 3.350 N     | Basic static load rating, radial  |
| C <sub>ur</sub> | 212 N       | Fatigue load limit, radial        |
| n <sub>G</sub>  | 9.400 1/min | Limiting speed                    |
| ≈m              | 0,212 kg    | Masa                              |

Mounting dimensions

|                    |       |                                      |
|--------------------|-------|--------------------------------------|
| d <sub>a min</sub> | 27 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 45 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1 mm  | Maximum fillet radius                |



Dimensions

|       |          |                              |
|-------|----------|------------------------------|
| r min | 1,1 mm   | Minimum chamfer dimension    |
| D 1   | 41,59 mm | Shoulder diameter outer ring |
| D 2   | 44,37 mm | Caliber diameter outer ring  |
| d 1   | 31,5 mm  | Shoulder diameter inner ring |
| d 2   | 27,2 mm  | Caliber diameter inner ring  |

Temperature range

|       |        |                            |
|-------|--------|----------------------------|
| T min | -20 °C | Operating temperature min. |
| T max | 100 °C | Operating temperature max. |

Calculation factors

|     |      |                                                                                  |
|-----|------|----------------------------------------------------------------------------------|
| e   | 0,29 | Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y |
| Y 1 | 2,16 | Dynamic axial load factor                                                        |
| Y 2 | 3,34 | Dynamic axial load factor                                                        |
| Y 0 | 2,26 | Static axial load factor                                                         |

Właściwości

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