



FAG

54309

Axial deep groove ball bearing

Axial deep groove ball bearing 543, double direction, with spherical housing washer, steel sheet metal cage



Informacje techniczne

Twoja aktualna wersja produktu

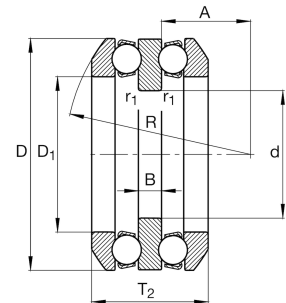
|                                  |    |                                         |
|----------------------------------|----|-----------------------------------------|
| Cage                             | JP | Steel sheet metal                       |
| Tolerance class                  | PN | Normal (ISO 492:2023)                   |
| Dimensional / heat stabilization | S0 | Rings dimensional stabilized up to 150° |

Main Dimensions & Performance Data

|                 |             |                                  |
|-----------------|-------------|----------------------------------|
| d               | 35 mm       | Inner diameter shaft washer      |
| D               | 85 mm       | Outer diameter housing washer    |
| T <sub>2</sub>  | 56,2 mm     | Height                           |
| C <sub>a</sub>  | 75.000 N    | Basic dynamic load rating, axial |
| C <sub>0a</sub> | 140.000 N   | Basic static load rating, axial  |
| C <sub>ua</sub> | 6.500 N     | Fatigue load limit, axial        |
| n <sub>G</sub>  | 3.800 1/min | Limiting speed                   |
| n <sub>gr</sub> | 6.500 1/min | Reference speed                  |
| ≈m              | 1,33 kg     | Masa                             |

Mounting dimensions

|                     |        |                                      |
|---------------------|--------|--------------------------------------|
| d <sub>a max</sub>  | 45 mm  | Maximum diameter shaft shoulder      |
| D <sub>a max</sub>  | 65 mm  | Maximum diameter of housing shoulder |
| r <sub>a max</sub>  | 1 mm   | Maximum filled radius                |
| r <sub>a1 max</sub> | 0,6 mm | Maximum filled radius                |





Dimensions

|         |        |                                 |
|---------|--------|---------------------------------|
| D 1     | 47 mm  | Inner diameter housing washer   |
| B       | 12 mm  | Height shaft washer             |
| r min   | 1 mm   | Minimum chamfer dimension       |
| r 1 min | 0,6 mm | Minimum chamfer dimension       |
| R       | 64 mm  | Radius spherical housing washer |
| A       | 21 mm  | Distance of the center point    |
| T 3     | 62 mm  | Height with seat washer         |
| D 2     | 65 mm  | Bore diameter seat washer       |
| D 3     | 90 mm  | Outside diameter seat washer    |
| C       | 10 mm  | Height seat washer              |

Temperature range

|       |        |                            |
|-------|--------|----------------------------|
| T min | -30 °C | Operating temperature min. |
| T max | 150 °C | Operating temperature max. |

Calculation factors

|   |      |                     |
|---|------|---------------------|
| A | 0,12 | Minimum load factor |
|---|------|---------------------|

Additional information

|      |             |
|------|-------------|
| U309 | Seat washer |
|------|-------------|

Właściwości

|  |                                   |
|--|-----------------------------------|
|  | Obciążenie osiowe jednokierunkowe |
|  | Obciążenie osiowe dwukierunkowe   |
|  | Smarowanie smarem                 |
|  | Smarowanie olejem                 |
|  | Bez uszczelnienia                 |
|  | Nieosiowość statyczna             |