

**FAG****53209**

Axial deep groove ball bearing

Schaeffler ID:  
0167158100000

Axial deep groove ball bearing 532, single direction, with spherical housing washer, steel sheet metal cage

## Technical information

## Main Dimensions &amp; Performance Data

|                 |             |                                  |
|-----------------|-------------|----------------------------------|
| d               | 45 mm       | Inner diameter shaft washer      |
| D               | 73 mm       | Outer diameter housing washer    |
| T               | 21,3 mm     | Height                           |
| C <sub>a</sub>  | 39.000 N    | Basic dynamic load rating, axial |
| C <sub>0a</sub> | 80.000 N    | Basic static load rating, axial  |
| C <sub>ua</sub> | 3.650 N     | Fatigue load limit, axial        |
| n <sub>G</sub>  | 5.500 1/min | Limiting speed                   |
| n <sub>gr</sub> | 6.600 1/min | Reference speed                  |
|                 | 0,291 kg    | Weight                           |

## Dimensions

|                  |       |                                 |
|------------------|-------|---------------------------------|
| r <sub>min</sub> | 1 mm  | Minimum chamfer dimension       |
| D <sub>1</sub>   | 47 mm | Inner diameter housing washer   |
| d <sub>1</sub>   | 73 mm | Outer diameter shaft washer     |
| R                | 56 mm | Radius spherical housing washer |
| A                | 26 mm | Distance of the center point    |
| T <sub>1</sub>   | 24 mm | Height with seat washer         |

## Mounting dimensions

|                    |       |                                      |
|--------------------|-------|--------------------------------------|
| d <sub>a min</sub> | 62 mm | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 60 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 1 mm  | Maximum filled radius                |

## Calculation factors

|   |       |                     |
|---|-------|---------------------|
| A | 0,043 | Minimum load factor |
|---|-------|---------------------|

## Additional information

|      |             |
|------|-------------|
| U209 | Seat washer |
|------|-------------|

## Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 150 °C | Operating temperature max. |



