

**FAG****53317**

Axial deep groove ball bearing

Axial deep groove ball bearing 533, single direction, with spherical housing washer, steel sheet metal cage

Technical information



Your current product variant

| | | |
|----------------------------------|----|---|
| Cage | JP | Steel sheet metal |
| Tolerance class | PN | Tolerance class PN, acc. to DIN 620 |
| Dimensional / heat stabilization | S0 | Rings dimensional stabilized up to 150° |

Main Dimensions & Performance Data

| | | |
|-------------|-------------|----------------------------------|
| d | 85 mm | Inner diameter shaft washer |
| D | 150 mm | Outer diameter housing washer |
| T | 53,1 mm | Height |
| C_a | 186.000 N | Basic dynamic load rating, axial |
| C_{0a} | 420.000 N | Basic static load rating, axial |
| C_{ua} | 17.700 N | Fatigue load limit, axial |
| n_G | 2.260 1/min | Limiting speed |
| n_{gr} | 4.250 1/min | Reference speed |
| $\approx m$ | 3,425 kg | Weight |

Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 124 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 115 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1,5 mm | Maximum filled radius |



Dimensions

| | | |
|------------|---------|---------------------------------|
| r_{\min} | 1,5 mm | Minimum chamfer dimension |
| D_1 | 88 mm | Inner diameter housing washer |
| d_1 | 150 mm | Outer diameter shaft washer |
| R | 112 mm | Radius spherical housing washer |
| A | 43 mm | Distance of the center point |
| T_1 | 58 mm | Height with seat washer |
| D_2 | 115 mm | Bore diameter seat washer |
| D_3 | 155 mm | Outside diameter seat washer |
| C | 17,5 mm | Height seat washer |

Temperature range

| | | |
|------------|--------|----------------------------|
| T_{\min} | -30 °C | Operating temperature min. |
| T_{\max} | 150 °C | Operating temperature max. |

Calculation factors

| | | |
|---|-----|---------------------|
| A | 1,1 | Minimum load factor |
|---|-----|---------------------|

Additional information

| | |
|------|-------------|
| U317 | Seat washer |
|------|-------------|

Characteristics

| | |
|--|---------------------------------------|
| | Axial load in one direction |
| | Grease Lubrication |
| | Oil Lubrication |
| | Not sealed |
| | Static angular error and misalignment |