

**FAG****53322-MP**

Axial deep groove ball bearing

Axial deep groove ball bearing 533..-MP, single direction, with spherical housing washer, solid brass cage

Technical information



Your current product variant

| | | |
|----------------------------------|----|--|
| Cage | MP | Solid brass cage, rolling element guided |
| Tolerance class | PN | Normal (ISO 492:2023) |
| Dimensional / heat stabilization | S0 | Rings dimensional stabilized up to 150° |

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|----------------------------------|
| d | 110 mm | Inner diameter shaft washer |
| D | 190 mm | Outer diameter housing washer |
| T | 67,2 mm | Height |
| C _a | 280.000 N | Basic dynamic load rating, axial |
| C _{0a} | 740.000 N | Basic static load rating, axial |
| C _{ua} | 28.000 N | Fatigue load limit, axial |
| n _G | 1.790 1/min | Limiting speed |
| n _{gr} | 3.400 1/min | Reference speed |
| m | 7,701 kg | Weight |

Mounting dimensions

| | | |
|--------------------|--------|--------------------------------------|
| d _{a min} | 158 mm | Minimum diameter shaft shoulder |
| D _{a max} | 150 mm | Maximum diameter of housing shoulder |
| r _{a max} | 2 mm | Maximum filled radius |



Dimensions

| | | |
|------------|---------|---------------------------------|
| r_{\min} | 2 mm | Minimum chamfer dimension |
| D_1 | 113 mm | Inner diameter housing washer |
| d_1 | 187 mm | Outer diameter shaft washer |
| R | 140 mm | Radius spherical housing washer |
| A | 51 mm | Distance of the center point |
| T_1 | 72 mm | Height with seat washer |
| D_2 | 150 mm | Bore diameter seat washer |
| D_3 | 195 mm | Outside diameter seat washer |
| C | 20,5 mm | Height seat washer |

Temperature range

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

Calculation factors

| | | |
|---|---|---------------------|
| A | 3 | Minimum load factor |
|---|---|---------------------|

Additional information

| | |
|------|-------------|
| U322 | Seat washer |
|------|-------------|

Characteristics

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