

**FAG****52214**

Axial deep groove ball bearing

Axial deep groove ball bearing 522, double direction, steel sheet metal cage

Technical information



Your current product variant

| | | |
|----------------------------------|----|---|
| 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 | 55 mm | Inner diameter shaft washer |
| D | 105 mm | Outer diameter housing washer |
| T ₂ | 47 mm | Height |
| C _a | 66.000 N | Basic dynamic load rating, axial |
| C _{0a} | 159.000 N | Basic static load rating, axial |
| C _{ua} | 7.200 N | Fatigue load limit, axial |
| n _G | 4.000 1/min | Limiting speed |
| n _{gr} | 4.750 1/min | Reference speed |
| m | 1,4 kg | Weight |

Mounting dimensions

| | | |
|---------------------|-------|--------------------------------------|
| d _{a max} | 70 mm | Maximum diameter shaft shoulder |
| D _{a max} | 84 mm | Maximum diameter of housing shoulder |
| r _{a max} | 1 mm | Maximum fillet radius |
| r _{a1 max} | 1 mm | Maximum fillet radius |



Dimensions

| | | |
|--------------------|-------|-------------------------------|
| D ₁ | 72 mm | Inner diameter housing washer |
| B | 10 mm | Height shaft washer |
| r _{min} | 1 mm | Minimum chamfer dimension |
| r _{1 min} | 1 mm | Minimum chamfer dimension |

Temperature range

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

Calculation factors

| | | |
|---|------|---------------------|
| A | 0,16 | Minimum load factor |
|---|------|---------------------|

Characteristics

-  Axial load in one direction
-  Axial load in two directions
-  Grease Lubrication
-  Oil Lubrication
-  Not sealed