

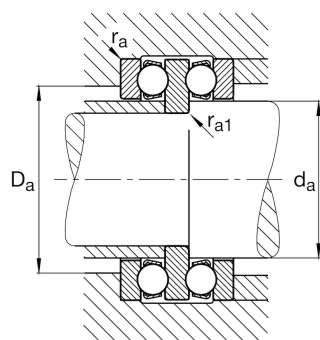
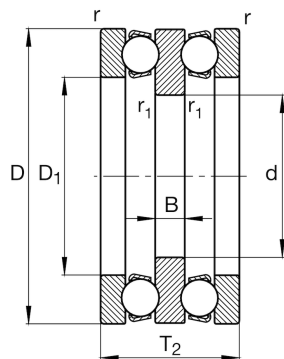
FAG

52308

Axial deep groove ball bearing

Schaeffler ID:
0167156320000Axial deep groove ball bearing 523, double
direction, steel sheet metal cage

Technical information



Main Dimensions & Performance Data

| | | |
|-----------------|-------------|----------------------------------|
| d | 30 mm | Bore diameter |
| D | 78 mm | Outside diameter |
| T ₂ | 49 mm | Height |
| C _a | 61,000 N | Basic dynamic load rating, axial |
| C _{0a} | 112,000 N | Basic static load rating, axial |
| C _{ua} | 5,100 N | Fatigue load limit, axial |
| n _G | 4,250 1/min | Limiting speed |
| n _{gr} | 7,200 1/min | Reference speed |
| | 1.06 kg | Weight |

Dimensions

| | | |
|--------------------|--------|------------------------------|
| D ₁ | 42 mm | Bore 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 |

Mounting dimensions

| | | |
|---------------------|--------|--------------------------------------|
| d _{a max} | 40 mm | Maximum mounting dimension shaft |
| D _{a max} | 55 mm | Maximum diameter of housing shoulder |
| r _{a max} | 1 mm | Maximum recess radius |
| r _{a1 max} | 0.6 mm | Maximum recess radius |

Additional information

| | | |
|---|-------|---------------------|
| A | 0.081 | Minimum load factor |
|---|-------|---------------------|

Temperature range

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