

FAG**51206**

Axial deep groove ball bearing

Schaeffler ID:
0167150390000Axial deep groove ball bearing 512, single
direction, steel sheet metal cage

Technical information

Main Dimensions & Performance Data

| | | |
|-----------------|-------------|----------------------------------|
| d | 30 mm | Bore diameter |
| D | 52 mm | Outside diameter |
| T | 16 mm | Height |
| C _a | 23.900 N | Basic dynamic load rating, axial |
| C _{0a} | 46.000 N | Basic static load rating, axial |
| C _{ua} | 2.100 N | Fatigue load limit, axial |
| n _G | 7.300 1/min | Limiting speed |
| n _{gr} | 8.600 1/min | Reference speed |
| | 0,132 kg | Weight |

Additional information

| | | |
|------------------|--------|------------------------------|
| r _{min} | 0,6 mm | Minimum chamfer dimension |
| D ₁ | 32 mm | Bore diameter housing washer |
| d ₁ | 52 mm | Lip diameter shaft washer |

Mounting dimensions

| | | |
|--------------------|--------|--------------------------------------|
| d _{a min} | 43 mm | Minimum diameter shaft shoulder |
| D _{a max} | 39 mm | Maximum diameter of housing shoulder |
| r _{a max} | 0,6 mm | Maximum recess radius |

Calculation factors

| | | |
|---|-------|---------------------|
| A | 0,014 | Minimum load factor |
|---|-------|---------------------|

Temperature range

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