



FAG

★ 51122

Axial deep groove ball bearing

Schaeffler ID:
0167148490000Axial deep groove ball bearing 511, single
direction, steel sheet metal cage

★ Preferred product

Technical information



Temperature range

| | | |
|------------|---------|----------------------------|
| T_{\min} | -30 °C | Operating temperature min. |
| T_{\max} | 150 °C | Operating temperature max. |
| | 1,06 kg | Weight |

Main Dimensions & Performance Data

| | | |
|----------|-------------|----------------------------------|
| d | 110 mm | Bore diameter |
| D | 145 mm | Outside diameter |
| T | 25 mm | Height |
| C_a | 87.000 N | Basic dynamic load rating, axial |
| C_{0a} | 290.000 N | Basic static load rating, axial |
| C_{ua} | 11.600 N | Fatigue load limit, axial |
| n_G | 3.350 1/min | Limiting speed |
| n_{gr} | 2.800 1/min | Reference speed |

Dimensions

| | | |
|------------|--------|------------------------------|
| r_{\min} | 1 mm | Minimum chamfer dimension |
| D_1 | 112 mm | Bore diameter housing washer |
| d_1 | 145 mm | Lip diameter shaft washer |

Mounting dimensions

| | | |
|-------------|--------|--------------------------------------|
| $d_{a\min}$ | 131 mm | Minimum diameter shaft shoulder |
| $D_{a\max}$ | 124 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 1 mm | Maximum recess radius |

Additional information

| | | |
|---|------|---------------------|
| A | 0,42 | Minimum load factor |
|---|------|---------------------|