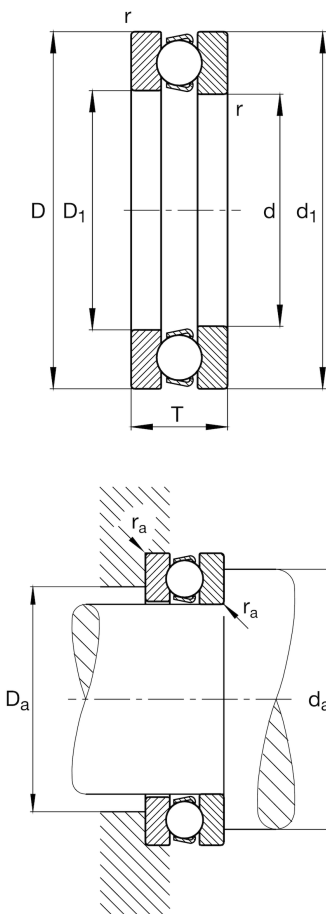
**FAG****51124**

Axial deep groove ball bearing

Schaeffler ID:
0167148570000Axial deep groove ball bearing 511, single
direction, steel sheet metal cage

Technical information

**Dimensions**

| | | |
|------------|----------|-------------------------------|
| r_{\min} | 1 mm | Minimum chamfer dimension |
| D_1 | 122 mm | Inner diameter housing washer |
| d_1 | 155 mm | Outer diameter shaft washer |
| | 1,121 kg | Weight |

Main Dimensions & Performance Data

| | | |
|-------------------|-------------|----------------------------------|
| d | 120 mm | Inner diameter shaft washer |
| D | 155 mm | Outer diameter housing washer |
| T | 25 mm | Height |
| C_a | 89.000 N | Basic dynamic load rating, axial |
| C_{0a} | 310.000 N | Basic static load rating, axial |
| C_{ua} | 12.000 N | Fatigue load limit, axial |
| n_G | 3.200 1/min | Limiting speed |
| $n_{\vartheta r}$ | 2.600 1/min | Reference speed |

Mounting dimensions

| | | |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 141 mm | Minimum diameter shaft shoulder |
| $D_{a \max}$ | 134 mm | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 1 mm | Maximum filled radius |

Calculation factors

| | | |
|-----|------|---------------------|
| A | 0,49 | Minimum load factor |
|-----|------|---------------------|

Temperature range

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