



FAG

★ 51108

Axial deep groove ball bearing

Schaeffler ID:  
0167147090000Axial 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. |
|            | 0,001 kg | Weight                     |

## Main Dimensions &amp; Performance Data

|          |             |                                  |
|----------|-------------|----------------------------------|
| d        | 40 mm       | Bore diameter                    |
| D        | 60 mm       | Outside diameter                 |
| T        | 13 mm       | Height                           |
| $C_a$    | 25.500 N    | Basic dynamic load rating, axial |
| $C_{0a}$ | 62.000 N    | Basic static load rating, axial  |
| $C_{ua}$ | 2.850 N     | Fatigue load limit, axial        |
| $n_G$    | 7.400 1/min | Limiting speed                   |
| $n_{gr}$ | 6.400 1/min | Reference speed                  |

## Dimensions

|            |        |                              |
|------------|--------|------------------------------|
| $r_{\min}$ | 0,6 mm | Minimum chamfer dimension    |
| $D_1$      | 42 mm  | Bore diameter housing washer |
| $d_1$      | 60 mm  | Lip diameter shaft washer    |

## Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a \min}$ | 52 mm  | Minimum diameter shaft shoulder      |
| $D_{a \max}$ | 48 mm  | Maximum diameter of housing shoulder |
| $r_{a \max}$ | 0,6 mm | Maximum recess radius                |

## Additional information

|   |      |                     |
|---|------|---------------------|
| A | 0,02 | Minimum load factor |
|---|------|---------------------|