

FAG

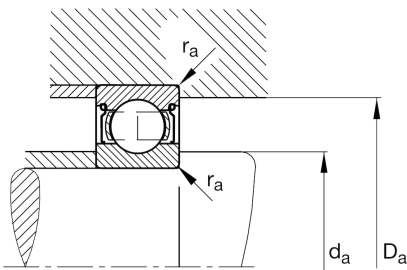
★ 6009-2Z

Deep groove ball bearing

Schaeffler ID:
0167176350000Deep groove ball bearing 60...-2Z, single
row, shields, steel sheet metal cage

★ Preferred product

Technical information



Temperature range

| | | |
|------------|----------|----------------------------|
| T_{\min} | -20 °C | Operating temperature min. |
| T_{\max} | 120 °C | Operating temperature max. |
| | 0,241 kg | Weight |

Main Dimensions & Performance Data

| | | |
|----------|--------------|-----------------------------------|
| d | 45 mm | Bore diameter |
| D | 75 mm | Outside diameter |
| B | 16 mm | Width |
| C_r | 21.200 N | Basic dynamic load rating, radial |
| C_{0r} | 14.400 N | Basic static load rating, radial |
| C_{ur} | 750 N | Fatigue load limit, radial |
| n_G | 11.200 1/min | Limiting speed |
| n_{gr} | 9.700 1/min | Reference speed |

Dimensions

| | | |
|------------|---------|------------------------------|
| r_{\min} | 1 mm | Minimum chamfer dimension |
| D_2 | 68 mm | Caliber diameter outer ring |
| d_1 | 54,2 mm | Shoulder diameter inner ring |

Mounting dimensions

| | | |
|-------------|---------|--------------------------------------|
| $d_{a\min}$ | 49,6 mm | Minimum diameter shaft shoulder |
| $D_{a\max}$ | 70,4 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 1 mm | Maximum fillet radius |

Calculation factors

| | | |
|-------|------|--------------------|
| f_0 | 15,3 | Calculation factor |
|-------|------|--------------------|