



FAG

6305-2RSR

Deep groove ball bearing

Schaeffler ID:
0167229730000Deep groove ball bearing 63...-2RSR,
single row, seals, steel sheet metal cage

Technical information

**Dimensions**

| | | |
|------------|----------|------------------------------|
| r_{\min} | 1.1 mm | Minimum chamfer dimension |
| D_2 | 52.5 mm | Caliber diameter outer ring |
| d_1 | 36.4 mm | Shoulder diameter inner ring |
| | 0.237 kg | Weight |

Main Dimensions & Performance Data

| | | |
|----------|-------------|-----------------------------------|
| d | 25 mm | Bore diameter |
| D | 62 mm | Outside diameter |
| B | 17 mm | Width |
| C_r | 23,800 N | Basic dynamic load rating, radial |
| C_{0r} | 11,500 N | Basic static load rating, radial |
| C_{ur} | 780 N | Fatigue load limit, radial |
| n_G | 7,300 1/min | Limiting speed |

Mounting dimensions

| | | |
|-------------|--------|--------------------------------------|
| $d_{a\min}$ | 32 mm | Minimum diameter shaft shoulder |
| $D_{a\max}$ | 55 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 1.1 mm | Maximum fillet radius |

Calculation factors

| | | |
|-------|------|--------------------|
| f_0 | 12.4 | Calculation factor |
|-------|------|--------------------|

Temperature range

| | | |
|------------|--------|----------------------------|
| T_{\min} | -20 °C | Operating temperature min. |
| T_{\max} | 110 °C | Operating temperature max. |