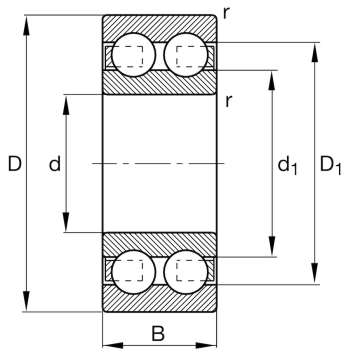
**FAG****4309-B-TVH**

Deep groove ball bearing

Schaeffler ID:
0167144900000Deep groove ball bearing 43..-B-TVH,
double row, plastic cage

Technical information

**Main Dimensions & Performance Data**

| | | |
|----------|-------------|-----------------------------------|
| d | 45 mm | Bore diameter |
| D | 100 mm | Outside diameter |
| B | 36 mm | Width |
| C_r | 75,000 N | Basic dynamic load rating, radial |
| C_{0r} | 60,000 N | Basic static load rating, radial |
| C_{ur} | 3,700 N | Fatigue load limit, radial |
| n_G | 5,400 1/min | Limiting speed |
| n_{gr} | 5,300 1/min | Reference speed |
| | 1.244 kg | Weight |

Dimensions

| | | |
|-----------|---------|------------------------------|
| r_{min} | 1.5 mm | Minimum chamfer dimension |
| D_1 | 86.8 mm | Shoulder diameter outer ring |
| d_1 | 66.7 mm | Shoulder diameter inner ring |

Mounting dimensions

| | | |
|-------------|--------|--------------------------------------|
| $d_{a min}$ | 54 mm | Minimum diameter shaft shoulder |
| $D_{a max}$ | 91 mm | Maximum diameter of housing shoulder |
| $r_{a max}$ | 1.5 mm | Maximum fillet radius |

Calculation factors

| | | |
|-------|------|--------------------|
| f_0 | 13.9 | Calculation factor |
|-------|------|--------------------|

Temperature range

| | | |
|-----------|--------|----------------------------|
| T_{min} | -20 °C | Operating temperature min. |
| T_{max} | 120 °C | Operating temperature max. |

