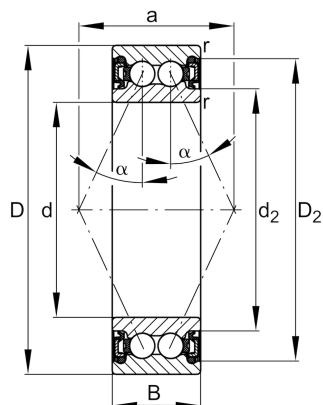
**3808-2Z**

Angular contact ball bearing

Schaeffler ID:
0009720880000Angular contact ball bearing 38..-B-2RZ-
TVH, double row, shields, plastic cage

Technical information

**Main Dimensions & Performance Data**

| | | |
|----------|--------------|-----------------------------------|
| d | 40 mm | Bore diameter |
| D | 52 mm | Outside diameter |
| B | 10 mm | Width |
| C_r | 6,900 N | Basic dynamic load rating, radial |
| C_{0r} | 7,600 N | Basic static load rating, radial |
| C_{ur} | 430 N | Fatigue load limit, radial |
| n_G | 10,300 1/min | Limiting speed |
| n_{gr} | 6,300 1/min | Reference speed |
| | 0.046 kg | Weight |

Dimensions

| | | |
|-----------|---------|---|
| r_{min} | 0.3 mm | Minimum chamfer dimension |
| D_2 | 49.6 mm | Caliber diameter outer ring |
| d_2 | 43.5 mm | Caliber diameter inner ring |
| a | 25.2 mm | Distance between the apexes of the pressure cones |
| α | 25 ° | Contact angle |

Mounting dimensions

| | | |
|-------------|--------|--------------------------------------|
| $d_{a min}$ | 42 mm | Minimum diameter shaft shoulder |
| $D_{a max}$ | 50 mm | Maximum diameter of housing shoulder |
| $r_{a max}$ | 0.3 mm | Maximum fillet radius |

Temperature range

| | | |
|-----------|--------|----------------------------|
| T_{min} | -20 °C | Operating temperature min. |
| T_{max} | 100 °C | Operating temperature max. |

