

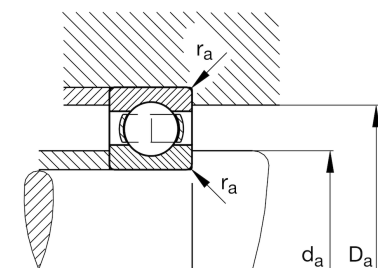
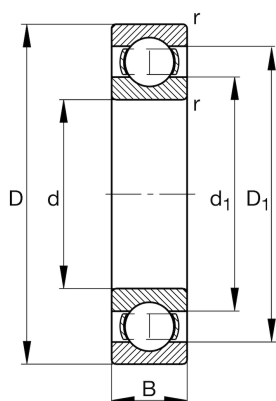
FAG

61820-Y

Deep groove ball bearing

Schaeffler ID:
0096198440000Deep groove ball bearing 618..-Y, single
row, brass sheet metal cage

Technical information

**Main Dimensions & Performance Data**

| | | |
|----------|-------------|-----------------------------------|
| d | 100 mm | Bore diameter |
| D | 125 mm | Outside diameter |
| B | 13 mm | Width |
| C_r | 21.300 N | Basic dynamic load rating, radial |
| C_{0r} | 22.100 N | Basic static load rating, radial |
| C_{ur} | 1.250 N | Fatigue load limit, radial |
| n_G | 9.600 1/min | Limiting speed |
| n_{gr} | 4.150 1/min | Reference speed |
| | 0,31 kg | Weight |

Dimensions

| | | |
|-----------|----------|------------------------------|
| r_{min} | 1 mm | Minimum chamfer dimension |
| D_1 | 117,1 mm | Shoulder diameter outer ring |
| d_1 | 108,2 mm | Shoulder diameter inner ring |

Mounting dimensions

| | | |
|-------------|----------|--------------------------------------|
| $d_{a min}$ | 104,6 mm | Minimum diameter shaft shoulder |
| $D_{a max}$ | 120,4 mm | Maximum diameter of housing shoulder |
| $r_{a max}$ | 1 mm | Maximum fillet radius |

Calculation factors

| | | |
|-------|----|--------------------|
| f_0 | 16 | Calculation factor |
|-------|----|--------------------|

Temperature range

| | | |
|-----------|--------|----------------------------|
| T_{min} | -30 °C | Operating temperature min. |
| T_{max} | 150 °C | Operating temperature max. |