



FAG

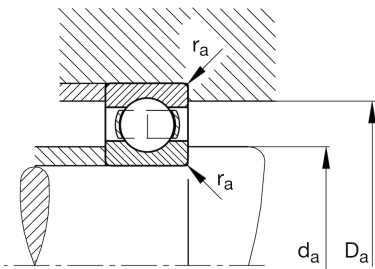
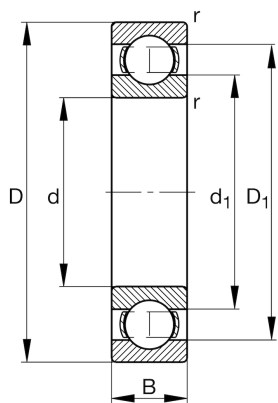
6409-C3

Deep groove ball bearing

Schaeffler ID:  
0167247390030

Deep groove ball bearing 64, single row,  
steel sheet metal cage

Technical information



Main Dimensions & Performance Data

|                 |             |                                   |
|-----------------|-------------|-----------------------------------|
| d               | 45 mm       | Bore diameter                     |
| D               | 120 mm      | Outside diameter                  |
| B               | 29 mm       | Width                             |
| C <sub>r</sub>  | 83.000 N    | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 47.500 N    | Basic static load rating, radial  |
| C <sub>ur</sub> | 3.250 N     | Fatigue load limit, radial        |
| n <sub>G</sub>  | 8.500 1/min | Limiting speed                    |
| n <sub>gr</sub> | 6.800 1/min | Reference speed                   |
|                 | 1,55 kg     | Weight                            |

Mounting dimensions

|                    |        |                                      |
|--------------------|--------|--------------------------------------|
| d <sub>a min</sub> | 58 mm  | Minimum diameter shaft shoulder      |
| D <sub>a max</sub> | 107 mm | Maximum diameter of housing shoulder |
| r <sub>a max</sub> | 2 mm   | Maximum fillet radius                |

Dimensions

|                  |          |                              |
|------------------|----------|------------------------------|
| r <sub>min</sub> | 2 mm     | Minimum chamfer dimension    |
| D <sub>1</sub>   | 101,1 mm | Shoulder diameter outer ring |
| d <sub>1</sub>   | 75,2 mm  | Shoulder diameter inner ring |

Temperature range

|                  |        |                            |
|------------------|--------|----------------------------|
| T <sub>min</sub> | -30 °C | Operating temperature min. |
| T <sub>max</sub> | 150 °C | Operating temperature max. |

Calculation factors

|                |      |                    |
|----------------|------|--------------------|
| f <sub>0</sub> | 12,9 | Calculation factor |
|----------------|------|--------------------|