



FAG

## ★ 61819-Y

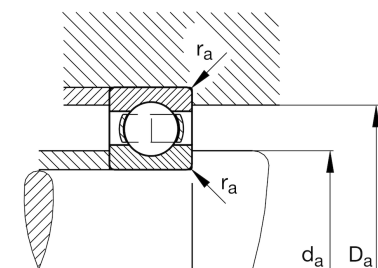
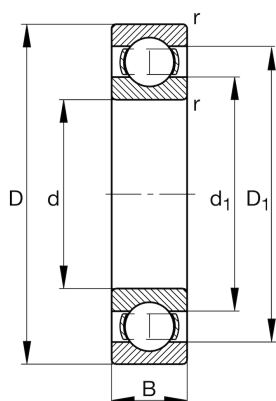
Deep groove ball bearing

Schaeffler ID:  
0096198100000

Deep groove ball bearing 618..-Y, single row, brass sheet metal cage

★ Preferred product

## Technical information



## Temperature range

|            |         |                            |
|------------|---------|----------------------------|
| $T_{\min}$ | -30 °C  | Operating temperature min. |
| $T_{\max}$ | 150 °C  | Operating temperature max. |
|            | 0,31 kg | Weight                     |

## Main Dimensions &amp; Performance Data

|          |              |                                   |
|----------|--------------|-----------------------------------|
| d        | 95 mm        | Bore diameter                     |
| D        | 120 mm       | Outside diameter                  |
| B        | 13 mm        | Width                             |
| $C_r$    | 21.000 N     | Basic dynamic load rating, radial |
| $C_{0r}$ | 21.300 N     | Basic static load rating, radial  |
| $C_{ur}$ | 1.230 N      | Fatigue load limit, radial        |
| $n_G$    | 10.000 1/min | Limiting speed                    |
| $n_{gr}$ | 4.350 1/min  | Reference speed                   |

## Dimensions

|            |          |                              |
|------------|----------|------------------------------|
| $r_{\min}$ | 1 mm     | Minimum chamfer dimension    |
| $D_1$      | 112 mm   | Shoulder diameter outer ring |
| $d_1$      | 103,2 mm | Shoulder diameter inner ring |

## Mounting dimensions

|             |          |                                      |
|-------------|----------|--------------------------------------|
| $d_{a\min}$ | 99,6 mm  | Minimum diameter shaft shoulder      |
| $D_{a\max}$ | 115,4 mm | Maximum diameter of housing shoulder |
| $r_{a\max}$ | 1 mm     | Maximum fillet radius                |

## Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 16,1 | Calculation factor |
|-------|------|--------------------|