

FAG

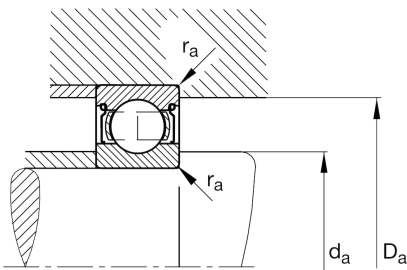
## ★ 6316-2Z

Deep groove ball bearing

Schaeffler ID:  
0167241860000Deep groove ball bearing 63...-2Z, single  
row, shields, steel sheet metal cage

★ Preferred product

## Technical information



## Main Dimensions &amp; Performance Data

|          |             |                                   |
|----------|-------------|-----------------------------------|
| d        | 80 mm       | Bore diameter                     |
| D        | 170 mm      | Outside diameter                  |
| B        | 39 mm       | Width                             |
| $C_r$    | 131.000 N   | Basic dynamic load rating, radial |
| $C_{0r}$ | 87.000 N    | Basic static load rating, radial  |
| $C_{ur}$ | 5.400 N     | Fatigue load limit, radial        |
| $n_G$    | 4.550 1/min | Limiting speed                    |
| $n_{gr}$ | 5.500 1/min | Reference speed                   |
|          | 3,75 kg     | Weight                            |

## Dimensions

|           |          |                              |
|-----------|----------|------------------------------|
| $r_{min}$ | 2,1 mm   | Minimum chamfer dimension    |
| $D_2$     | 145,5 mm | Caliber diameter outer ring  |
| $d_1$     | 108,2 mm | Shoulder diameter inner ring |

## Mounting dimensions

|            |        |                                      |
|------------|--------|--------------------------------------|
| $d_{amin}$ | 92 mm  | Minimum diameter shaft shoulder      |
| $D_{amax}$ | 158 mm | Maximum diameter of housing shoulder |
| $r_{amax}$ | 2,1 mm | Maximum fillet radius                |

## Temperature range

|           |        |                            |
|-----------|--------|----------------------------|
| $f_0$     | 13,3   | Calculation factor         |
| $T_{min}$ | -20 °C | Operating temperature min. |
| $T_{max}$ | 120 °C | Operating temperature max. |