

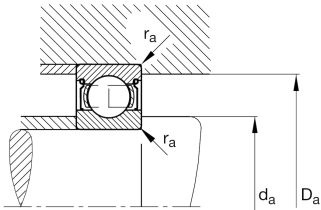
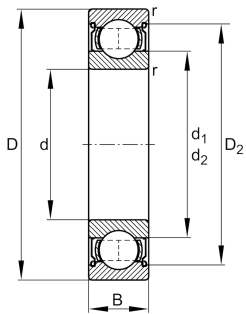
**FAG****61805-2Z-HLC** [🔗](#)

Deep groove ball bearing

Deep groove ball bearing 618...-2Z, single row, shields, steel sheet metal cage

Schaeffler ID:  
0555172340000

## Technical information



## Your current product variant

|                                  |                    |                                         |
|----------------------------------|--------------------|-----------------------------------------|
| Logistical code                  | HLC                | -                                       |
| Sealing                          | 2Z                 | Non-contact shield on both sides        |
| Cage                             | J                  | Steel sheet metal                       |
| Tolerance class                  | PN                 | Normal (PN)                             |
| Dimensional / heat stabilization | SN                 | Rings dimensional stabilized up to 120° |
| Lubricant                        | Lubricating grease |                                         |
| Radial internal clearance        | CN (Group N)       | Normal internal clearance               |
| Bore type                        | Z                  | Cylindrical                             |

## Main Dimensions &amp; Performance Data

|                 |              |                                   |
|-----------------|--------------|-----------------------------------|
| d               | 25 mm        | Bore diameter                     |
| D               | 37 mm        | Outside diameter                  |
| B               | 7 mm         | Width                             |
| C <sub>r</sub>  | 4.300 N      | Basic dynamic load rating, radial |
| C <sub>0r</sub> | 2.940 N      | Basic static load rating, radial  |
| C <sub>ur</sub> | 132 N        | Fatigue load limit, radial        |
| n <sub>G</sub>  | 24.000 1/min | Limiting speed                    |
| n <sub>gr</sub> | 13.900 1/min | Reference speed                   |
| ≈m              | 20 g         | Weight                            |



Mounting dimensions

|              |        |                                      |
|--------------|--------|--------------------------------------|
| $d_{a\ min}$ | 27 mm  | Minimum diameter shaft shoulder      |
| $D_{a\ max}$ | 35 mm  | Maximum diameter of housing shoulder |
| $r_{a\ max}$ | 0,3 mm | Maximum fillet radius                |

Dimensions

|             |          |                              |
|-------------|----------|------------------------------|
| $r_{\ min}$ | 0,3 mm   | Minimum chamfer dimension    |
| $D_2$       | 34,12 mm | Caliber diameter outer ring  |
| $d_1$       | 28,2 mm  | Shoulder diameter inner ring |

Temperature range

|             |        |                            |
|-------------|--------|----------------------------|
| $T_{\ min}$ | -30 °C | Operating temperature min. |
| $T_{\ max}$ | 120 °C | Operating temperature max. |

Calculation factors

|       |      |                    |
|-------|------|--------------------|
| $f_0$ | 13,9 | Calculation factor |
|-------|------|--------------------|

Characteristics

|                                                                                     |                                                |
|-------------------------------------------------------------------------------------|------------------------------------------------|
|  | Radial load                                    |
|  | Axial load in one direction                    |
|  | Axial load in two directions                   |
|  | Lifetime lubrication, freedom from maintenance |
|  | Grease Lubrication                             |
|  | Sealed on both sides                           |