



## HK0408

Drawn cup needle roller bearing open end

Schaeffler ID:  
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Drawn cup needle roller bearings with  
open ends HK, to DIN 618/ISO 3245

### Technical information



#### Main Dimensions & Performance Data

|                        |              |                                       |
|------------------------|--------------|---------------------------------------|
| $F_w$                  | 4 mm         | Under roller diameter                 |
| $D$                    | 8 mm         | Outside diameter                      |
| $C$                    | 8 mm         | Width                                 |
| $C_r$                  | 1,780 N      | Basic dynamic load rating, radial     |
| $C_{0r}$               | 1,310 N      | Basic static load rating, radial      |
| $C_{ur}$               | 147 N        | Fatigue load limit, radial            |
| $n_G$                  | 42,500 1/min | Limiting speed                        |
| $n_{G \text{ Grease}}$ | 25,500 1/min | Limiting speed for grease lubrication |
| $n_{gr}$               | 44,500 1/min | Reference speed                       |
|                        | 1.5 g        | Weight                                |

#### Dimensions

|           |         |                           |
|-----------|---------|---------------------------|
|           | GR4X8X2 | Sealing ring              |
| $C_1$     | 8 mm    | Width, outer ring         |
| $r_{min}$ | 0.3 mm  | Minimum chamfer dimension |

#### Temperature range

|           |        |                            |
|-----------|--------|----------------------------|
| $T_{min}$ | -30 °C | Operating temperature min. |
| $T_{max}$ | 140 °C | Operating temperature max. |