

**HK1612-AS1-B**

Drawn cup needle roller bearing open end

Drawn cup needle roller bearing open end
HK...AS1-B, single row, with cage

Technical information



Your current product variant

| | | |
|------------------|---------|----------|
| Lubricant | Without | |
| Lubrication hole | AS1 | With (1) |
| Coating | Without | |
| Sealing | Without | |

Main Dimensions & Performance Data

| | | |
|-----------------|--------------|---------------------------------------|
| F_w | 16 mm | Under roller diameter |
| D | 22 mm | Outside diameter |
| C | 12 mm | Width |
| C_r | 7.600 N | Basic dynamic load rating, radial |
| C_{0r} | 9.700 N | Basic static load rating, radial |
| C_{ur} | 1.180 N | Fatigue load limit, radial |
| n_G | 15.600 1/min | Limiting speed |
| n_G Grease | 9.300 1/min | Limiting speed for grease lubrication |
| n_{gr} | 11.900 1/min | Reference speed |
| $\approx m$ | 11,24 g | Weight |

Dimensions

| | | |
|-----------|--------|---------------------------|
| r_{min} | 0,8 mm | Minimum chamfer dimension |
|-----------|--------|---------------------------|







Temperature range

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

Additional information

| | |
|---------------|-------------------------|
| SD16X22X3 | Sealing ring |
| G16X22X3 | Sealing ring 2 |
| IR12X16X13-XL | Suitable inner rings IR |

Characteristics

-  Radial load
-  Grease Lubrication
-  Oil Lubrication
-  Small design envelope