

# NUP 317 ECM

SKF Explorer

## Cylindrical roller bearings, single row

### Bearing data

[Tolerances](#),

Normal (metric), P6, Normal (inch),

[Radial internal clearance](#),

cylindrical bore, tapered bore,

[Axial internal clearance](#),

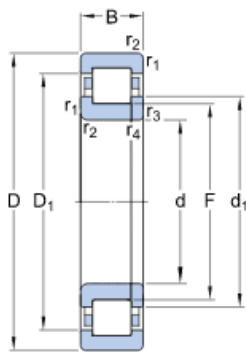
NUP, NJ + HJ

### Bearing interfaces

[Seat tolerances for standard conditions](#),

[Tolerances and resultant fit](#)

## Technical specification

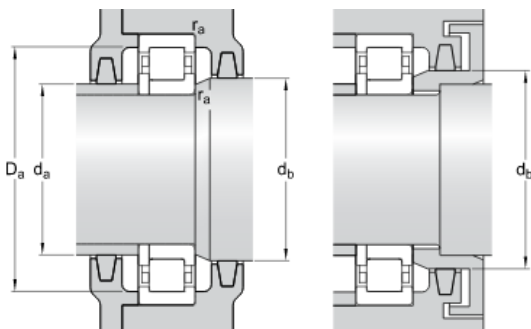


## DIMENSIONS

|                  |            |
|------------------|------------|
| d                | 85 mm      |
| D                | 180 mm     |
| B                | 41 mm      |
| d <sub>1</sub>   | ≈ 117 mm   |
| D <sub>1</sub>   | ≈ 151.4 mm |
| F                | 108 mm     |
| r <sub>1,2</sub> | min. 3 mm  |
| r <sub>3,4</sub> | min. 3 mm  |

## ABUTMENT DIMENSIONS

|                |               |
|----------------|---------------|
| d <sub>a</sub> | min. 99 mm    |
| d <sub>b</sub> | min. 120 mm   |
| D <sub>a</sub> | max. 165.5 mm |
| r <sub>a</sub> | max. 2.5 mm   |



## CALCULATION DATA

|                           |       |            |
|---------------------------|-------|------------|
| Basic dynamic load rating | C     | 340 kN     |
| Basic static load rating  | $C_0$ | 335 kN     |
| Fatigue load limit        | $P_u$ | 41.5 kN    |
| Reference speed           |       | 4000 r/min |
| Limiting speed            |       | 4800 r/min |
| Calculation factor        | $k_r$ | 0.15       |
| Limiting value            | e     | 0.2        |
| Axial load factor         | Y     | 0.6        |

## MASS

|              |  |        |
|--------------|--|--------|
| Mass bearing |  | 5.6 kg |
|--------------|--|--------|

More information

| Product details                       | Product details                       | Engineering information                                 | Engineering information                                 | Tools  | Tools  |
|---------------------------------------|---------------------------------------|---|---|--|--|
| <a href="#">Designs and variants</a>  | <a href="#">Designs and variants</a>  | <a href="#">Principles of rolling bearing selection</a> | <a href="#">Principles of rolling bearing selection</a> | <a href="#">SimPro Quick</a>   | <a href="#">SimPro Quick</a>   |
| <a href="#">Bearing data</a>          | <a href="#">Bearing data</a>          | <a href="#">General bearing knowledge</a>               | <a href="#">General bearing knowledge</a>               | <a href="#">Bearing Select</a>   | <a href="#">Bearing Select</a>   |
| <a href="#">Loads</a>                 | <a href="#">Loads</a>                 |   |   | <a href="#">Engineering Calculator</a>                                 | <a href="#">Engineering Calculator</a>                                 |
| <a href="#">Temperature limits</a>    | <a href="#">Temperature limits</a>    | <a href="#">Bearing selection process</a>               | <a href="#">Bearing selection process</a>               | <a href="#">LubeSelect for SKF greases</a>                             | <a href="#">LubeSelect for SKF greases</a>                             |
| <a href="#">Permissible speed</a>     | <a href="#">Permissible speed</a>     | <a href="#">Bearing failure and how to prevent it</a>   | <a href="#">Bearing failure and how to prevent it</a>   | <a href="#">Heater selection tool</a>                                  | <a href="#">Heater selection tool</a>                                  |
| <a href="#">Design considerations</a> | <a href="#">Design considerations</a> |   |   | <a href="#">Oil Injection Method Program</a>                           | <a href="#">Oil Injection Method Program</a>                           |
| <a href="#">Designation system</a>    | <a href="#">Designation system</a>    |   |   | <a href="#">Rolling bearings mounting and dismounting instructions</a> | <a href="#">Rolling bearings mounting and dismounting instructions</a> |

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