



## RNU 308 ECP

Popular item  
SKF Explorer

Cylindrical roller bearings, single row,  
without an inner ring

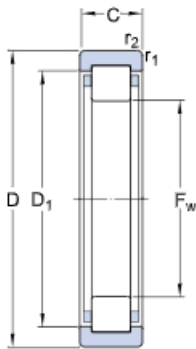
Bearing data

[Tolerances](#),  
Normal, P6,  
[Radial internal clearance](#),  
table

Bearing interfaces

[Seat tolerances for standard  
conditions](#),  
[Tolerances and resultant fit  
table](#)

### Technical specification

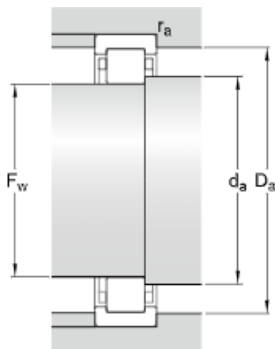


#### DIMENSIONS

|           |             |
|-----------|-------------|
| $F_w$     | 52 mm       |
| $D$       | 90 mm       |
| $C$       | 23 mm       |
| $D_1$     | ≈ 75.18 mm  |
| $r_{1,2}$ | min. 1.5 mm |

#### ABUTMENT DIMENSIONS

|       |              |
|-------|--------------|
| $d_a$ | max. 57.7 mm |
| $D_a$ | max. 81.8 mm |
| $r_a$ | max. 1.5 mm  |



## CALCULATION DATA

|                           |                |             |
|---------------------------|----------------|-------------|
| Basic dynamic load rating | C              | 93 kN       |
| Basic static load rating  | C <sub>0</sub> | 78 kN       |
| Fatigue load limit        | P <sub>u</sub> | 10.2 kN     |
| Reference speed           |                | 8 000 r/min |
| Limiting speed            |                | 9 500 r/min |
| Calculation factor        | k <sub>r</sub> | 0.15        |
| Limiting value            | e              | 0.2         |
| Axial load factor         | Y              | 0.6         |

## MASS

|              |        |
|--------------|--------|
| Mass bearing | 0.5 kg |
|--------------|--------|

## More information

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

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