

## N 2207 ECM

SKF Explorer

### Cylindrical roller bearings, single row

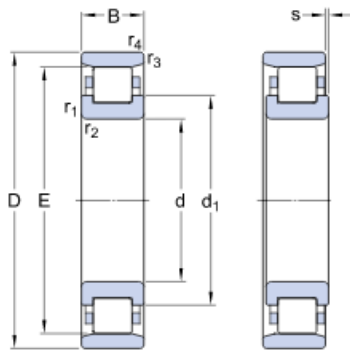
#### Bearing data

[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

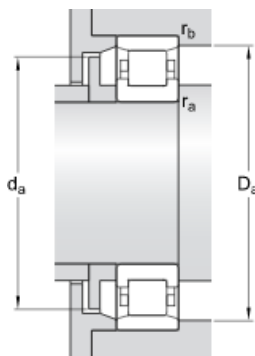


#### DIMENSIONS

|                  |             |
|------------------|-------------|
| d                | 35 mm       |
| D                | 72 mm       |
| B                | 23 mm       |
| d <sub>1</sub>   | ≈ 48.1 mm   |
| E                | 64 mm       |
| r <sub>1,2</sub> | min. 1.1 mm |
| r <sub>3,4</sub> | min. 0.6 mm |
| s                | max. 2.8 mm |

#### ABUTMENT DIMENSIONS

|                |              |
|----------------|--------------|
| d <sub>a</sub> | min. 41.8 mm |
| d <sub>a</sub> | max. 62 mm   |
| D <sub>a</sub> | min. 66 mm   |
| D <sub>a</sub> | max. 67.2 mm |
| r <sub>a</sub> | max. 1 mm    |
| r <sub>b</sub> | max. 0.6 mm  |



## CALCULATION DATA

|                           |       |             |
|---------------------------|-------|-------------|
| Basic dynamic load rating | C     | 69.5 kN     |
| Basic static load rating  | $C_0$ | 63 kN       |
| Fatigue load limit        | $P_u$ | 8.15 kN     |
| Reference speed           |       | 11000 r/min |
| Limiting speed            |       | 12000 r/min |
| Calculation factor        | $k_f$ | 0.16        |
| Limiting value            | e     | 0.3         |
| Axial load factor         | Y     | 0.4         |

## MASS

|              |  |        |
|--------------|--|--------|
| Mass bearing |  | 0.5 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="#">Bearing selection process</a>               | <a href="#">Bearing selection process</a>               | <a href="#">Engineering Calculator</a>                                 | <a href="#">Engineering Calculator</a>                                 |
| <a href="#">Temperature limits</a>    | <a href="#">Temperature limits</a>    | <a href="#">Bearing failure and how to prevent it</a>   | <a href="#">Bearing failure and how to prevent it</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="#">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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