

RNU 205 ECP

Popular item
SKF Explorer

Cylindrical roller bearings, single row,
without an inner ring

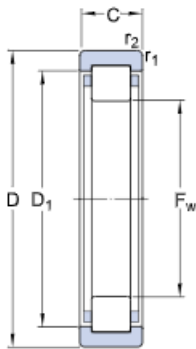
Bearing data

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

Bearing interfaces

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

Technical specification

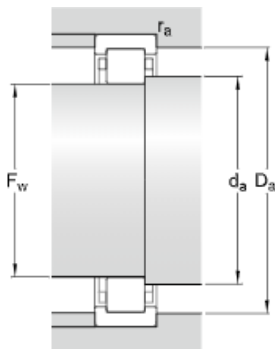


DIMENSIONS

| | |
|-----------|-----------|
| F_w | 31.5 mm |
| D | 52 mm |
| C | 15 mm |
| D_1 | ≈ 43.3 mm |
| $r_{1,2}$ | min. 1 mm |

ABUTMENT DIMENSIONS

| | |
|-------|--------------|
| d_a | max. 34.7 mm |
| D_a | max. 46.4 mm |
| r_a | max. 1 mm |



CALCULATION DATA

| | | |
|---------------------------|----------------|--------------|
| Basic dynamic load rating | C | 32.5 kN |
| Basic static load rating | C ₀ | 27 kN |
| Fatigue load limit | P _u | 3.35 kN |
| Reference speed | | 15 000 r/min |
| Limiting speed | | 16 000 r/min |
| Calculation factor | k _r | 0.15 |
| Limiting value | e | 0.3 |
| Axial load factor | Y | 0.6 |

MASS

| | |
|--------------|--------|
| Mass bearing | 0.1 kg |
|--------------|--------|

More information

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

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