



NU 310 ECM

Popular item
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 | 50 mm |
| D | 110 mm |
| B | 27 mm |
| D ₁ | ≈ 91.4 mm |
| F | 65 mm |
| r _{1,2} | min. 2 mm |
| r _{3,4} | min. 2 mm |
| s | max. 1.9 mm |

ABUTMENT DIMENSIONS

| | |
|----------------|--------------|
| d _a | min. 60 mm |
| d _a | max. 63 mm |
| d _b | min. 67 mm |
| D _a | max. 99.6 mm |
| r _a | max. 2 mm |
| r _b | max. 2 mm |



CALCULATION DATA

| | | |
|---------------------------|----------------|------------|
| Basic dynamic load rating | C | 127 kN |
| Basic static load rating | C ₀ | 112 kN |
| Fatigue load limit | P _u | 15 kN |
| Reference speed | | 6700 r/min |
| Limiting speed | | 8000 r/min |
| Calculation factor | k _r | 0.15 |
| Limiting value | e | 0.2 |
| Axial load factor | Y | 0.6 |

MASS

| | |
|--------------|---------|
| Mass bearing | 1.31 kg |
|--------------|---------|

ASSOCIATED PRODUCTS

| | |
|------------|-----------|
| Angle ring | HJ 310 EC |
|------------|-----------|

More information

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

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