



21320 E Spherical roller bearings

SKF Explorer

Spherical roller bearings

Bearing data

[Tolerances,](#)

Normal, P6, P5, tapered bore 1:12,
tapered bore 1:30,

[Radial internal clearance,](#)

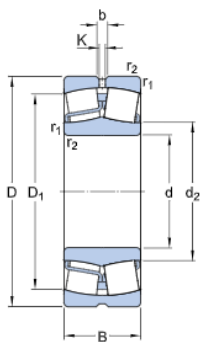
cylindrical bore, tapered bore

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

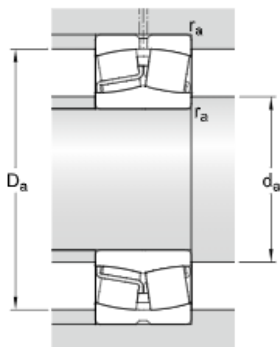


DIMENSIONS

| | |
|------------------|-----------|
| d | 100 mm |
| D | 215 mm |
| B | 47 mm |
| d ₂ | ≈ 118 mm |
| D ₁ | ≈ 159 mm |
| b | 8.3 mm |
| K | 4.5 mm |
| r _{1,2} | min. 3 mm |

ABUTMENT DIMENSIONS

| | |
|----------------|-------------|
| d _a | min. 114 mm |
| D _a | max. 201 mm |
| r _a | max. 2.5 mm |



CALCULATION DATA

| | | |
|---------------------------|----------------|-------------|
| Basic dynamic load rating | C | 433 kN |
| Basic static load rating | C ₀ | 490 kN |
| Fatigue load limit | P _u | 49 kN |
| Reference speed | | 3 400 r/min |
| Limiting speed | | 4 500 r/min |
| Calculation factor | e | 0.24 |
| Calculation factor | Y ₁ | 2.8 |
| Calculation factor | Y ₂ | 4.2 |
| Calculation factor | Y ₀ | 2.8 |

MASS

| | |
|--------------|---------|
| Mass bearing | 8.95 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 | Housing Select |
| Permissible speed | | LubeSelect for SKF greases |
| Design considerations | | Drive-up Method Program |
| Mounting | | Heater selection tool |
| Designation system | | Oil Injection Method Program |
| | | Rolling bearings mounting and dismounting instructions |
| | | Tool and Accessory Selector for sleeves and shafts |

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