



22318 EK

Popular item
SKF Explorer

Spherical roller bearings

Bearing data

[Tolerances,](#)

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

[Radial internal clearance,](#)

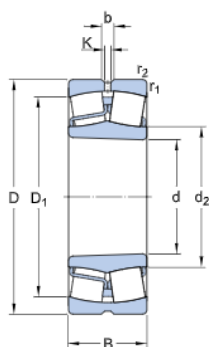
cylindrical bore, tapered bore

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

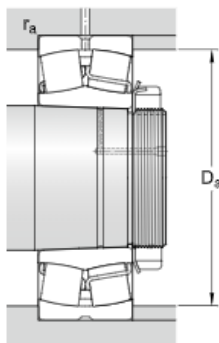


DIMENSIONS

| | |
|--------------------------|-----------|
| d | 90 mm |
| D | 190 mm |
| B | 64 mm |
| d ₂ | ≈ 113 mm |
| D ₁ | ≈ 161 mm |
| b | 11.1 mm |
| K | 6 mm |
| r _{1,2} | min. 3 mm |
| Tapered bore, taper 1:12 | |

ABUTMENT DIMENSIONS

| | |
|----------------|-------------|
| D _a | max. 176 mm |
| r _a | max. 2.5 mm |



CALCULATION DATA

| | | |
|---------------------------|----------------|------------|
| Basic dynamic load rating | C | 637 kN |
| Basic static load rating | C ₀ | 695 kN |
| Fatigue load limit | P _u | 67 kN |
| Reference speed | | 2600 r/min |
| Limiting speed | | 3600 r/min |
| Calculation factor | e | 0.33 |
| Calculation factor | Y ₁ | 2 |
| Calculation factor | Y ₂ | 3 |
| Calculation factor | Y ₀ | 2 |

MASS

| | |
|--------------|--------|
| Mass bearing | 8.5 kg |
|--------------|--------|

MOUNTING INFORMATION

| | | |
|---------------------------------------|---|-------|
| Recommended lock nut tightening angle | α | 150 ° |
|---------------------------------------|---|-------|

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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