



22213 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,

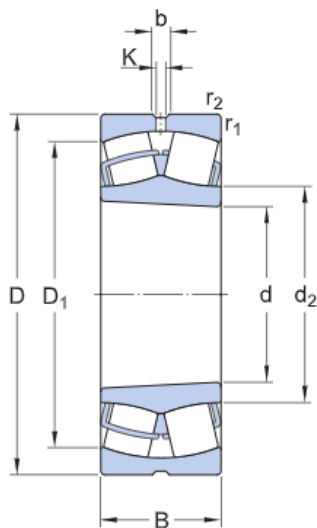
cylindrical bore, tapered bore

Bearing interfaces

[Seat tolerances for standard conditions,](#)

[Tolerances and resultant fit](#)

Technical specification

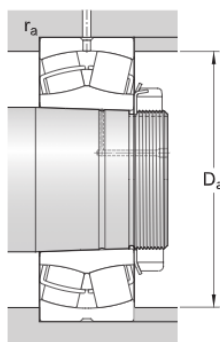


DIMENSIONS

| | | |
|--------------------------|------------|--|
| d | 65 mm | Bore diameter |
| D | 120 mm | Outside diameter |
| B | 31 mm | Width |
| d2 | ≈80.1 mm | Shoulder diameter of inner ring |
| D1 | ≈106 mm | Shoulder/recess diameter of outer ring |
| b | 6 mm | Width of lubrication groove |
| K | 3 mm | Diameter of lubrication hole |
| r1,2 | min.1.5 mm | Chamfer dimension |
| Tapered bore, taper 1:12 | | |

ABUTMENT DIMENSIONS

| | | |
|----|------------|------------------------------|
| Da | max.111 mm | Diameter of housing abutment |
| ra | max.1.5 mm | Radius of fillet |



CALCULATION DATA

| | | |
|---------------------------|----------------|-------------|
| Basic dynamic load rating | C | 198 kN |
| Basic static load rating | C ₀ | 216 kN |
| Fatigue load limit | P _u | 24 kN |
| Reference speed | | 5 000 r/min |
| Limiting speed | | 7 000 r/min |
| Limiting value | e | 0.24 |
| Axial load factor | Y ₁ | 2.8 |
| Axial load factor | Y ₂ | 4.2 |
| Axial load factor | Y ₀ | 2.8 |

MASS

| | |
|------|--------|
| Mass | 1.5 kg |
|------|--------|

MOUNTING INFORMATION

| | | |
|---|----------|------|
| Recommended tightening angle for lock nut | α | 115° |
|---|----------|------|

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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