



23160 CCK/W33

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

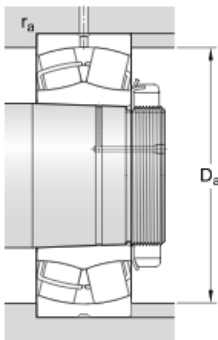


DIMENSIONS

| | |
|------------------|-----------|
| d | 300 mm |
| D | 500 mm |
| B | 160 mm |
| d ₂ | ≈ 345 mm |
| D ₁ | ≈ 434 mm |
| b | 16.7 mm |
| K | 9 mm |
| r _{1,2} | min. 5 mm |

ABUTMENT DIMENSIONS

| | |
|----------------|-------------|
| D _a | max. 480 mm |
| r _a | max. 4 mm |



CALCULATION DATA

| | | |
|--------------------------------------|----------------|------------|
| Basic dynamic load rating | C | 3368 kN |
| Basic static load rating | C ₀ | 5100 kN |
| Fatigue load limit | P _u | 380 kN |
| Reference speed | | 950 r/min |
| Limiting speed | | 1200 r/min |
| Calculating load: Limiting value | e | 0.3 |
| Calculating load: Calculation factor | Y ₁ | 2.3 |
| Calculating load: Calculation factor | Y ₂ | 3.4 |
| Calculating load: Calculation factor | Y ₀ | 2.2 |

MASS

| | | |
|--------------|--|--------|
| Mass bearing | | 125 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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