

23238 CC/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,

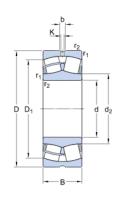
cylindrical bore, tapered bore

Bearing interfaces

Seat tolerances for standard conditions,

Tolerances and resultant fit

Technical specification

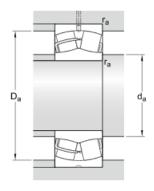


DIMENSIONS

| d | 190 mm |
|------------------|-----------|
| D | 340 mm |
| В | 120 mm |
| d_2 | ≈ 222 mm |
| D_1 | ≈ 287 mm |
| b | 16.7 mm |
| K | 9 mm |
| r _{1,2} | min. 4 mm |

ABUTMENT DIMENSIONS

| d_a | min. 207 mm |
|----------------|-------------|
| D_a | max. 323 mm |
| r _a | max. 3 mm |





CALCULATION DATA

| Basic dynamic load rating | С | 1759 kN |
|---------------------------|----------------|------------|
| Basic static load rating | C_0 | 2400 kN |
| Fatigue load limit | P_{u} | 208 kN |
| Reference speed | | 1300 r/min |
| Limiting speed | | 1800 r/min |
| Calculation factor | е | 0.35 |
| Calculation factor | Y ₁ | 1.9 |
| Calculation factor | Y ₂ | 2.9 |
| Calculation factor | Y ₀ | 1.8 |

MASS

| Ма | s bearing | 47 kg |
|----|-----------|-------|
| | | |

5KF®



More information

| Product details | Product details | Engineering in | forn Eantgion meering in | formTartoten | Tools |
|-------------------------------|-------------------------------|--|--|---|---|
| Designs and | Designs and | Principles | Principles | SimPro Quick | SimPro Quick |
| variants Bearing data | variants Bearing data | of rolling bearing -selection General bearing k nowledge | of rolling bearing -selection General bearing k nowledge | Bearing Select | Bearing Select |
| Loads | Loads Tempera | | | Engineer ing Calcul ator | Engineer ing Calcul ator |
| ture limits | ture limits | | | Housing Select | Housing Select |
| Permissi ble speed | Permissi ble speed | Bearing failure | Bearing failure | LubeSele ct for SKF greases | LubeSele ct for SKF greases |
| Design c onsiderati ons | Design c onsiderati ons | and how to prevent it | and how to prevent it | Drive-up Method Program | Drive-up Method Program |
| Mounting | Mounting | | | Heater selection tool | Heater selection tool |
| Designati on system | Designati on system | | | Oil Injection Method Program Rolling bearings mounting and dism ounting i | Oil Injection Method Program Rolling bearings mounting and dism ounting i |
| | | | | nstructio nsol and Accessory Selector for sleeves and shafts | nstructio nsool and Accessory Selector for sleeves and shafts |





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