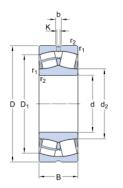


Technical specification





Popular item SKF Explorer Spherical roller bearings

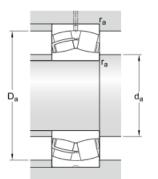
Bearing data Tolerances, Normal, P6, P5, tapered bore 1:12, tapered bore 1:30, Radial internal clearance, cylindrical bore, tapered bore Bearing interfaces Seat tolerances for standard conditions, Tolerances and resultant fit

DIMENSIONS

| d | 150 mm |
|------------------|-----------|
| D | 270 mm |
| В | 96 mm |
| d ₂ | ≈ 175 mm |
| D ₁ | ≈ 228 mm |
| b | 11.1 mm |
| К | 6 mm |
| r _{1,2} | min. 3 mm |



| d _a | min. 164 mm |
|----------------|-------------|
| D _a | max. 256 mm |
| r _a | max. 2.5 mm |



CALCULATION DATA

| Basic dynamic load rating | С | 1129 kN |
|---------------------------|----------------|------------|
| Basic static load rating | C _O | 1460 kN |
| Fatigue load limit | P _u | 137 kN |
| Reference speed | | 1600 r/min |
| Limiting speed | | 2200 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

| Mass bearing | 23.5 kg |
|--------------|---------|
|--------------|---------|





More information

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



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