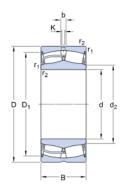
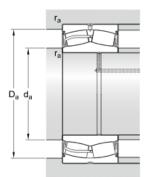


Technical specification





24138-2CS5/VT143

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 | 190 mm |
|------------------|-----------|
| D | 320 mm |
| В | 128 mm |
| d ₂ | ≈ 210 mm |
| D ₁ | ≈ 282 mm |
| b | 11.1 mm |
| К | 6 mm |
| r _{1,2} | min. 3 mm |

ABUTMENT DIMENSIONS

| d _a | min. 204 mm |
|----------------|-------------|
| d _a | max. 210 mm |
| D _a | max. 306 mm |
| r _a | max. 2.5 mm |



CALCULATION DATA

| Basic dynamic load rating | С | 1655 kN |
|---------------------------|----------------|-----------|
| Basic static load rating | C ₀ | 2500 kN |
| Fatigue load limit | P _u | 212 kN |
| Limiting speed | | 340 r/min |
| Calculation factor | е | 0.37 |
| Calculation factor | Y ₁ | 1.8 |
| Calculation factor | Y ₂ | 2.7 |
| Calculation factor | Y ₀ | 1.8 |

MASS

| Mass bearing | 43 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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