

24128-2CS5K30/VT143 SKF

225x140x85mm Calculation

factor Y2 2.9 Spherical roller bearings

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|---|---------------------|
| Bearing number | 24128-2CS5K30/VT143 |
| Size (mm) | 225x140x85 |
| Brand | SKF |
| Bore Diameter (mm) | 225 |
| Outer Diameter (mm) | 140 |
| Width (mm) | 85 |
| d | 140 mm |
| D | 225 mm |
| B | 85 mm |
| d ₂ | 153 mm |
| D ₁ | 203 mm |
| b | 8.3 mm |
| K | 4.5 mm |
| r _{1,2} – min. | 2.1 mm |
| d _a – min. | 148 mm |
| d _a – max. | 153 mm |
| D _a – max. | 213 mm |
| r _a – max. | 2 mm |
| Basic dynamic load rating – C | 797 kN |
| Basic static load rating – C ₀ | 1160 kN |
| Fatigue load limit – P _u | 112 kN |

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| Limiting speed | 450 r/min |
| Calculation factor – e | 0.35 |
| Calculation factor – Y_1 | 1.9 |
| Calculation factor – Y_2 | 2.9 |
| Calculation factor – Y_0 | 1.8 |
| $d_2 \approx$ | 153 mm |
| $D_1 \approx$ | 203 mm |
| $r_{1,2} \text{ min.}$ | 2.1 mm |
| $D_a \text{ max.}$ | 213 mm |
| $r_a \text{ max.}$ | 2 mm |
| Basic dynamic load rating C | 797 kN |
| Basic static load rating C_0 | 1160 kN |
| Fatigue load limit P_u | 112 kN |
| Calculation factor e | 0.35 |
| Calculation factor Y_1 | 1.9 |
| Calculation factor Y_2 | 2.9 |
| Calculation factor Y_0 | 1.8 |
| Mass bearing | 13.5 kg |