

# 2306K SKF Calculation factor (kr) 0.05 30x72x27mm Self aligning ball bearings

|                               |             |
|-------------------------------|-------------|
| Bearing number                | 2306K       |
| Size (mm)                     | 30x72x27    |
| Brand                         | SKF         |
| Bore Diameter (mm)            | 30          |
| Outer Diameter (mm)           | 72          |
| Width (mm)                    | 27          |
| d                             | 30 mm       |
| D                             | 72 mm       |
| B                             | 27 mm       |
| C                             | 27 mm       |
| d2                            | 41.7 mm     |
| r1 min.                       | 1.1 mm      |
| r2 min.                       | 1.1 mm      |
| D1                            | 60.9 mm     |
| da min.                       | 37 mm       |
| Da max.                       | 65 mm       |
| ra max.                       | 1.1 mm      |
| Weight                        | 0.5 Kg      |
| Basic dynamic load rating (C) | 31.2 kN     |
| Basic static load rating (C0) | 8.8 kN      |
| Fatigue load limit (Pu)       | 0.45        |
| Reference speed               | 18000 r/min |
| Limiting speed                | 13000 r/min |
| Calculation factor (e)        | 0.44        |

|                         |      |
|-------------------------|------|
| Calculation factor (kr) | 0.05 |
| Calculation factor (Y0) | 1.4  |
| Calculation factor (Y1) | 1.4  |