

WBB1-8710 SKF 21x15x3.5mm

Basic static load rating C_0

0.29 kN Deep groove ball bearings

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|----------------------------------|-------------|
| Bearing number | WBB1-8710 |
| Size (mm) | 21x15x3.5 |
| Brand | SKF |
| Bore Diameter (mm) | 21 |
| Outer Diameter (mm) | 15 |
| Width (mm) | 3.5 |
| d | 15 mm |
| D | 21 mm |
| B | 3.5 mm |
| d_1 | 16.9 mm |
| D_1 | 19.1 mm |
| $r_{1,2} - \text{min.}$ | 0.15 mm |
| $d_a - \text{min.}$ | 16 mm |
| $d_a - \text{max.}$ | 16.5 mm |
| $D_a - \text{max.}$ | 20 mm |
| $r_a - \text{max.}$ | 0.15 mm |
| Basic dynamic load rating – C | 0.527 kN |
| Basic static load rating – C_0 | 0.29 kN |
| Fatigue load limit – P_u | 0.012 kN |
| Reference speed | 67000 r/min |
| Limiting speed | 40000 r/min |

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|---------------------------------|-----------|
| Calculation factor – k_r | 0.015 |
| Calculation factor – f_θ | 8.4 |
| $d_1 \approx$ | 16.9 mm |
| $D_1 \approx$ | 19.1 mm |
| $r_{1,2} \text{ min.}$ | 0.15 mm |
| $d_a \text{ min.}$ | 16 mm |
| $D_a \text{ max.}$ | 20 mm |
| $r_a \text{ max.}$ | 0.15 mm |
| Basic dynamic load rating C | 0.527 kN |
| Basic static load rating C_0 | 0.29 kN |
| Fatigue load limit P_u | 0.012 kN |
| Calculation factor k_r | 0.015 |
| Calculation factor f_θ | 8.4 |
| Mass bearing | 0.0031 kg |