

SNR N319EM cylindrical roller bearings

Welcome to the SNR N319EM cylindrical roller bearings online seller. 47x25x12 Size (mm) 47 Bore Diameter (mm)

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| Size (mm) | 47x25x12 |
| Bore Diameter (mm) | 47 |
| Outer Diameter (mm) | 25 |
| Width (mm) | 12 |
| d | 25 mm |
| D | 47 mm |
| B | 12 mm |
| d1 | 31.6 mm |
| d2 | 29.8 mm |
| D1 | 39.21 mm |
| K | 0.5 mm |
| C1 | 3.72 mm |
| r1,2 – min. | 0.6 mm |
| r3,4 – min. | 0.3 mm |
| a | 14.4 mm |
| da – min. | 28.2 mm |
| db – min. | 28.2 mm |
| Da – max. | 43.8 mm |
| Db – max. | 44.6 mm |
| ra – max. | 0.6 mm |
| rb – max. | 0.3 mm |
| dn | 33.1 mm |
| Basic dynamic load rating – C | 7.9 kN |

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| Basic static load rating – C0 | 3.9 kN |
| Fatigue load limit – Pu | 0.166 kN |
| Limiting speed for grease lubrication | 42000 r/min |
| Limiting speed for oil lubrication | 63000 mm/min |
| Ball – Dw | 6.35 mm |
| Ball – z | 14 |
| Gref | 1.3 cm ³ |
| Calculation factor – e | 0.68 |
| Calculation factor – Y2 | 1.41 |
| Calculation factor – Y0 | 0.76 |
| Calculation factor – X2 | 0.67 |
| Calculation factor – Y1 | 0.92 |
| Preload class A – GA | 70 N |
| Preload class B – GB | 210 N |
| Preload class C – GC | 430 N |
| Calculation factor – f | 1.05 |
| Calculation factor – f1 | 0.99 |
| Calculation factor – f2A | 1 |
| Calculation factor – f2B | 1.03 |
| Calculation factor – f2C | 1.06 |
| Calculation factor – fHC | 1 |
| Preload class A | 59 N/micron |
| Preload class B | 89 N/micron |
| Preload class C | 117 N/micron |
| r1,2 min. | 0.6 mm |
| r3,4 min. | 0.3 mm |
| da min. | 28.2 mm |
| db min. | 28.2 mm |
| Da max. | 43.8 mm |

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| Db max. | 44.6 mm |
| ra max. | 0.6 mm |
| rb max. | 0.3 mm |
| Basic dynamic load rating C | 7.93 kN |
| Basic static load rating C0 | 3.9 kN |
| Fatigue load limit Pu | 0.166 kN |
| Attainable speed for grease lubrication | 42000 r/min |
| Attainable speed for oil-air lubrication | 63000 r/min |
| Ball diameter Dw | 6.35 mm |
| Number of balls z | 14 |
| Reference grease quantity Gref | 1.3 cm ³ |
| Preload class A GA | 70 N |
| Static axial stiffness, preload class A | 59 N/μm |
| Preload class B GB | 210 N |
| Static axial stiffness, preload class B | 89 N/μm |
| Preload class C GC | 430 N |
| Static axial stiffness, preload class C | 117 N/μm |
| Calculation factor f | 1.05 |
| Calculation factor f1 | 0.99 |
| Calculation factor f2A | 1 |
| Calculation factor f2B | 1.03 |
| Calculation factor f2C | 1.06 |
| Calculation factor fHC | 1 |
| Calculation factor e | 0.68 |
| Calculation factor (single, tandem) Y2 | 0.87 |
| Calculation factor (single, tandem) Y0 | 0.38 |
| Calculation factor (single, tandem) X2 | 0.41 |
| Calculation factor (back-to-back, face-to-face) Y1 | 0.92 |

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| Calculation factor (back-to-back, face-to-face) Y2 | 1.41 |
| Calculation factor (back-to-back, face-to-face) Y0 | 0.76 |
| Calculation factor (back-to-back, face-to-face) X2 | 0.67 |
| Mass bearing | 0.074 kg |