



100 mm x 150 mm x 24 mm skf N 1020 KTNHA/SP Super-precision cylindrical roller bearings

Bearing No. N 1020 KTNHA/SP

N 1020 KTNHA/SP Bearing 2D drawings and 3D CAD models

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|---|---------------|
| Size | 100x150x24 mm |
| Bore Diameter | 100 mm |
| Outer Diameter | 150 mm |
| Width | 24 mm |
| d | 100 mm |
| D | 150 mm |
| B | 24 mm |
| d ₁ | 119.4 mm |
| E | 137 mm |
| r _{1,2} - min. | 1.5 mm |
| r _{3,4} - min. | 1 mm |
| s | 3 mm |
| s ₁ | 1 mm |
| d _a - min. | 108 mm |
| D _a - min. | 139 mm |
| D _a - max. | 142 mm |
| r _a - max. | 1.5 mm |
| Basic dynamic load rating - C | 85.8 kN |
| Basic static load rating - C ₀ | 120 kN |
| Fatigue load limit - P _u | 14.3 kN |
| Limiting speed for grease lubrication | 9500 r/min |
| Limiting speed for oil lubrication | 13000 mm/min |



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|--|----------------------|
| G_{ref} | 14.4 cm |
| Static radial stiffness (guideline value) | 1100 N/micron |
| d_1 | 119.4 mm |
| $r_{1,2}$ min. | 1.5 mm |
| $r_{3,4}$ min. | 1 mm |
| s max. | 3 mm |
| s_1 max. | 1 mm |
| d_a min. | 108 mm |
| D_a min. | 139 mm |
| D_a max. | 142 mm |
| r_a max. | 1.5 mm |
| Basic dynamic load rating C | 85.8 kN |
| Basic static load rating C_0 | 120 kN |
| Fatigue load limit P_u | 14.3 kN |
| Attainable speed for grease lubrication | 9500 r/min |
| Attainable speed for oil-air lubrication | 13000 r/min |
| Reference grease quantity G_{ref} | 14.4 cm ³ |
| Mass bearing | 1.31 kg |