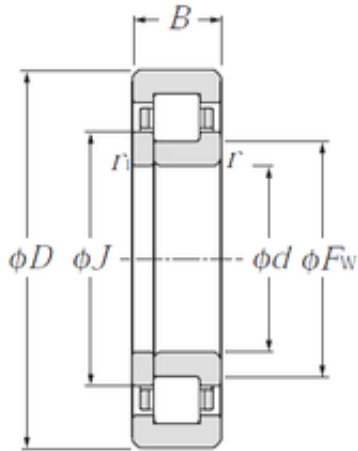




# SKF Wheel Bearings DEVELOP MFG.CORP.



110 mm x 240 mm x 50 mm NTN NUP322 cylindrical roller bearings

Bearing No. NUP322

NUP322 Bearing 2D drawings and 3D CAD models

|                               |               |
|-------------------------------|---------------|
| Size                          | 110x240x50 mm |
| Bore Diameter                 | 110 mm        |
| Outer Diameter                | 240 mm        |
| Width                         | 50 mm         |
| d                             | 110 mm        |
| Fw                            | 143 mm        |
| D                             | 240 mm        |
| B                             | 50 mm         |
| C                             | 50 mm         |
| r min.                        | 3 mm          |
| r1 min.                       | 3 mm          |
| J                             | 155,5 mm      |
| Weight                        | 10 Kg         |
| Basic dynamic load rating (C) | 360 kN        |
| Basic static load rating (C0) | 400 kN        |
| (Grease) Lubrication Speed    | 3 000 r/min   |
| E                             | 121.5 mm      |
| F                             | 83.5 mm       |
| d1                            | 91 mm         |
| rs min                        | 2.1 mm        |
| r1s min                       | 2.1 mm        |
| Radial clearance class        | CN            |
| Mass (without HJ ring)        | 2.3 kg        |
| Dynamic load, C               | 135 kN        |
| Static load, C0               | 139 kN        |



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|   |           |
|---|-----------|
| Fatigue limit load, $C_u$                     | 16.8 kN   |
| $N_{lim}$ (oil)                               | 6,000 rpm |
| $N_{lim}$ (grease)                            | 5,100 rpm |
| Min operating temperature, $T_{min}$          | -40 ° C   |
| Max operating temperature, $T_{max}$          | 120 ° C   |
| Characteristic cage frequency, FTF            | 0.41 Hz   |
| Characteristic rolling element frequency, BSF | 5.21 Hz   |
| Characteristic outer ring frequency, BPF0     | 4.89 Hz   |
| Characteristic inner ring frequency, BPGI     | 7.11 Hz   |
| $d_a$ min                                     | 76 mm     |
| $d_c$ min                                     | 93 mm     |
| $D_a$ max                                     | 129 mm    |
| $r_a$ max                                     | 2 mm      |