



105 mm x 160 mm x 26 mm SNR 7021HVUJ74 angular contact ball bearings

Bearing No. 7021HVUJ74

7021HVUJ74 Bearing 2D drawings and 3D CAD models

|                             |               |
|-----------------------------|---------------|
| Size                        | 105x160x26 mm |
| Bore Diameter               | 105 mm        |
| Outer Diameter              | 160 mm        |
| Width                       | 26 mm         |
| d                           | 105 mm        |
| D                           | 160 mm        |
| B                           | 26 mm         |
| C                           | 26 mm         |
| Angle ( ° )                 | 20 °          |
| d1                          | 122.8 mm      |
| D1                          | 142.2 mm      |
| D2                          | 149.84 mm     |
| a                           | 44 mm         |
| Contact angle               | 25 °          |
| rs min                      | 2 mm          |
| r1s min                     | 1 mm          |
| f0                          | 16.2          |
| Precision class             | P4            |
| Mass                        | 1.61 kg       |
| Dynamic load, C             | 78 kN         |
| Static load, C0             | 81.4 kN       |
| Fatigue limit load, Cu      | 4 kN          |
| Nlim (oil)                  | 12,000 rpm    |
| Nlim (grease)               | 7,900 rpm     |
| Axial displacement K Factor | 0.42          |
|                             |               |



## NTN BEARING USA CORP.

|   |                |
|---|----------------|
| Preload level                                 | 7              |
| Preload value                                 | 0.69 kN        |
| Axial rigidity                                | 294 N/ $\mu$ m |
| Radial rigidity                               | 631 N/ $\mu$ m |
| Min operating temperature, T <sub>min</sub>   | -30 ° C        |
| Max operating temperature, T <sub>max</sub>   | 120 ° C        |
| Characteristic cage frequency, FTF            | 0.45 Hz        |
| Characteristic rolling element frequency, BSF | 8.25 Hz        |
| Characteristic outer ring frequency, BPF0     | 9.81 Hz        |
| Characteristic inner ring frequency, BRFI     | 12.19 Hz       |
| da min  | 115 mm         |
| db min  | 115 mm         |
| Da max  | 150 mm         |
| Db max  | 150 mm         |
| r1a max                                       | 1 mm           |
| ra max  | 2 mm           |
| D6  | 127.9 mm       |