



Brand of NTN Group

Technical data

UC310-31G2

Insert bearings



Spherical outer diameter, fixing by socket set screw, seal with slinger

VISUAL (S)



PRODUCT DEFINITION

| | |
|---|------------|
| Brand | SNR |
| B - Width of Inner Ring | 61 mm |
| C - Width of Outer Ring | 32 mm |
| C1 - Distance center of OR to center of lubrication zone | 9,9 mm |
| d - Shaft diameter | 49,213 mm |
| D - Outer diameter of OR | 110 mm |
| G - Set screw size | 7/16-20UNF |
| m - Distance to set screw | 12 mm |



NTN Europe

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S.A. au capital de 322 639 919 € · RCS ANNECY B 325 821 072 · Id. Fiscale : FR 48 325 821 072
SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

PRODUCT DEFINITION

| | |
|---|----------|
| r - Radius Inner Ring | 2 |
| S - Distance front side/bearing centre | 22 mm |
| f0 - Factor | 13 |
| SW - Wrench size | 5,556 mm |

PRODUCT PERFORMANCE

| | |
|-----------------------------------|-------------|
| C - Dynamic load rating | 62000000 mN |
| C0 - Static load rating | 37800000 mN |
| Operating temperature min. | 253,15 °K |
| Operating temperature max. | 373,15 °K |

OTHER FEATURES

| | |
|--|----------|
| Mass | 1,68 kg |
| Recommended tightening torque for set screw | 27.1 N-m |

BEARING FREQUENCIES

| | |
|---|---------------------|
| BPFO - Over rolling frequency on outer ring (60 rpm) | 3.05341614906832 Hz |
| BPMF - Over rolling frequency on inner (60 rpm) | 4.94658385093168 Hz |
| BSF - Over rolling frequency on rolling element (60 rpm) | 3.98907582204398 Hz |
| BRF - Rotational frequency - rolling element (60 rpm) | 1.99453791102199 Hz |
| FTF - Rotational frequency - cage (60 rpm) | 0.38167701863354 Hz |

