



Brand of NTN Group

## Technical data

### UC212-38G2

Insert bearings



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

#### VISUAL (S)



#### PRODUCT DEFINITION

|   |           |
|---|-----------|
| <b>Brand</b>  | SNR       |
| <b>B - Width of Inner Ring</b>                                  | 65,1 mm   |
| <b>C - Width of Outer Ring</b>                                  | 27 mm     |
| <b>C1 - Distance center of OR to center of lubrication zone</b> | 8,2 mm    |
| <b>d - Shaft diameter</b>                                       | 60,325 mm |
| <b>D - Outer diameter of OR</b>                                 | 110 mm    |
| <b>G - Set screw size</b>                                       | 3/8-24UNF |
| <b>m - Distance to set screw</b>                                | 10,5 mm   |



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SIRET 325 821 072 00015 · Code APE 2815 Z · Code NACE 28.15

### PRODUCT DEFINITION

|   |          |
|---|----------|
| <b>r - Radius Inner Ring</b>                  | 1.1      |
| <b>S - Distance front side/bearing centre</b> | 25,4 mm  |
| <b>f0 - Factor</b>                            | 14.2     |
| <b>SW - Wrench size</b>                       | 4,763 mm |

### PRODUCT PERFORMANCE

|                                   |             |
|-----------------------------------|-------------|
| <b>C - Dynamic load rating</b>    | 52500000 mN |
| <b>C0 - Static load rating</b>    | 32800000 mN |
| <b>Operating temperature min.</b> | 253,15 °K   |
| <b>Operating temperature max.</b> | 373,15 °K   |

### OTHER FEATURES

|  |          |
|--|----------|
| <b>Mass</b>  | 1,53 kg  |
| <b>Recommended tightening torque for set screw</b> | 16.8 N-m |

### BEARING FREQUENCIES

|   |                      |
|---|----------------------|
| <b>BPFO - Over rolling frequency on outer ring (60 rpm)</b>     | 4.06617647058824 Hz  |
| <b>BPMF - Over rolling frequency on inner (60 rpm)</b>          | 5.93382352941176 Hz  |
| <b>BSF - Over rolling frequency on rolling element (60 rpm)</b> | 5.16756600277906 Hz  |
| <b>BRF - Rotational frequency - rolling element (60 rpm)</b>    | 2.58378300138953 Hz  |
| <b>FTF - Rotational frequency - cage (60 rpm)</b>               | 0.406617647058824 Hz |

