



Brand of NTN Group

## Technical data

### EX307-23G2

Insert bearings



Spherical outer diameter, fixing by eccentric locking collar, seal with slinger

#### VISUAL (S)



#### PRODUCT DEFINITION

|   |           |
|---|-----------|
| <b>Brand</b>  | SNR       |
| <b>B - Width of Inner Ring</b>  | 38,1 mm   |
| <b>B1 - Overall width Inner Ring</b>                                  | 51,6 mm   |
| <b>B2 - Width of eccentric locking collar/nut</b>                     | 17,5 mm   |
| <b>C - Width of Outer Ring</b>  | 25 mm     |
| <b>C1 - Distance center of OR to center of lubrication zone</b>       | 7,2 mm    |
| <b>d - Shaft diameter</b>   | 36,513 mm |
| <b>d1 - Outer dia of eccent. Lock. collar / nut of adapter sleeve</b> | 55 mm     |



**NTN Europe**

1 rue des Usines · BP 2017 · 74010 Annecy Cedex · France · Tel. +33 (0)4 50 65 30 00  
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

|   |            |
|---|------------|
| <b>D - Outer diameter of OR</b>               | 80 mm      |
| <b>G - Set screw size</b>                     | 5/16-24UNF |
| <b>m - Distance to set screw</b>              | 6,7 mm     |
| <b>r - Radius Inner Ring</b>                  | 2          |
| <b>S - Distance front side/bearing centre</b> | 18,3 mm    |
| <b>f0 - Factor</b>                            | 12.8       |
| <b>SW - Wrench size</b>                       | 3,969 mm   |

### PRODUCT PERFORMANCE

|                                   |             |
|-----------------------------------|-------------|
| <b>C - Dynamic load rating</b>    | 33500000 mN |
| <b>C0 - Static load rating</b>    | 19200000 mN |
| <b>Operating temperature min.</b> | 253,15 °K   |
| <b>Operating temperature max.</b> | 373,15 °K   |

### OTHER FEATURES

|  |         |
|--|---------|
| <b>Mass</b>  | 0,78 kg |
| <b>Recommended tightening torque for set screw</b> | 8 N-m   |

### BEARING FREQUENCIES

|   |                      |
|---|----------------------|
| <b>BPFO - Over rolling frequency on outer ring (60 rpm)</b>     | 2.63032608695652 Hz  |
| <b>BPFI - Over rolling frequency on inner (60 rpm)</b>          | 4.36967391304348 Hz  |
| <b>BSF - Over rolling frequency on rolling element (60 rpm)</b> | 3.7760186770132 Hz   |
| <b>BRF - Rotational frequency - rolling element (60 rpm)</b>    | 1.8880093385066 Hz   |
| <b>FTF - Rotational frequency - cage (60 rpm)</b>               | 0.375760869565217 Hz |

