



Brand of NTN corporation

## Technical data

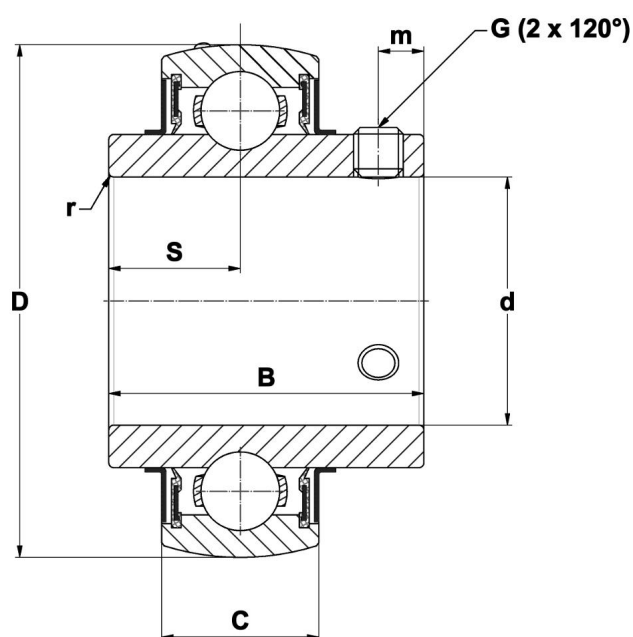
### SUC 205 FG1

Insert bearings



SENTINEL Series: Stainless steel insert ball bearing, spherical outer ring with anti-rotation ball, fixing by socket set screws, seals with slingers, "Full Pack" LUBSOLID food solid lubrication.

#### VISUAL (S)



#### PRODUCT DEFINITION

|                                                          |         |
|----------------------------------------------------------|---------|
| Brand                                                    | SNR     |
| B - Width of Inner Ring                                  | 34,1 mm |
| C - Width of Outer Ring                                  | 17 mm   |
| C1 - Distance center of OR to center of lubrication zone | 3,9 mm  |
| d - Shaft diameter                                       | 25 mm   |
| D - Outer diameter of OR                                 | 52 mm   |
| G - Set screw size                                       | M6x1    |



#### 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>m - Distance to set screw</b>              | 5 mm    |
| <b>r - Radius Inner Ring</b>                  | 0.5     |
| <b>S - Distance front side/bearing centre</b> | 14,3 mm |
| <b>f0 - Factor</b>                            | 14      |
| <b>SW - Wrench size</b>                       | 3 mm    |

## PRODUCT PERFORMANCE

|                                   |        |
|-----------------------------------|--------|
| <b>C - Dynamic load rating</b>    | 14 kN  |
| <b>C0 - Static load rating</b>    | 7,8 kN |
| <b>Operating temperature min.</b> | -10 °C |
| <b>Operating temperature max.</b> | 80 °C  |

## OTHER FEATURES

|                                                    |         |
|----------------------------------------------------|---------|
| <b>Mass</b>                                        | 0,19 kg |
| <b>Recommended tightening torque for set screw</b> | 3.9 N-m |

## BEARING FREQUENCIES

|                                                                |                     |
|----------------------------------------------------------------|---------------------|
| <b>BPFO - Characteristic outer ring frequency (60 rpm)</b>     | 3.58178020565553 Hz |
| <b>BPFI - Characteristic inner ring frequency (60 rpm)</b>     | 5.41821979434447 Hz |
| <b>FTF - Characteristic cage frequency (60 rpm)</b>            | 0.39797557840617 Hz |
| <b>BSF - Characteristic rolling element frequency (60 rpm)</b> | 4.69673855838714 Hz |

