



Brand of NTN Group

## Technical data

### SUC205

Insert bearings



Stainless steel insert, spherical outer diameter with locking pin, fixing by socket set screw, seal with slinger, food grease

#### VISUAL (S)



#### PRODUCT DEFINITION

<b>Brand</b>	SNR
<b>B - Width of Inner Ring</b>	34,1 mm
<b>C - Width of Outer Ring</b>	17 mm
<b>C1 - Distance center of OR to center of lubrication zone</b>	3,9 mm
<b>d - Shaft diameter</b>	25 mm
<b>D - Outer diameter of OR</b>	52 mm
<b>G - Set screw size</b>	M6x1
<b>m - Distance to set screw</b>	5 mm



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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

<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>	14000000 mN
<b>C0 - Static load rating</b>	7800000 mN
<b>Operating temperature min.</b>	253,15 °K
<b>Operating temperature max.</b>	373,15 °K

### OTHER FEATURES

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

### BEARING FREQUENCIES

<b>BPFO - Over rolling frequency on outer ring (60 rpm)</b>	3.58178020565553 Hz
<b>BPMF - Over rolling frequency on inner (60 rpm)</b>	5.41821979434447 Hz
<b>BSF - Over rolling frequency on rolling element (60 rpm)</b>	4.69673855838714 Hz
<b>BRF - Rotational frequency - rolling element (60 rpm)</b>	2.34836927919357 Hz
<b>FTF - Rotational frequency - cage (60 rpm)</b>	0.39797557840617 Hz

