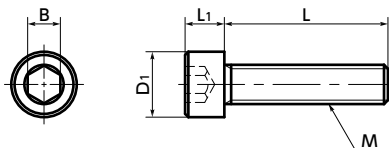


# SNSI Socket Head Cap Screw - Inconel \*equiv.



Selection Tool  
 CAD Download  
 Cleanroom wash & packaging  
 Heat-resistance  
 Chemical-proof



## ● Mechanical property

	Inconel (NCF600)	SUS304
Tensile Strength (N/mm <sup>2</sup> )	548 - 695	520 or Higher
0.2% Proof Stress (N/mm <sup>2</sup> )	205 - 352	205 or Higher
Elongation (%)	35 - 55	40 or Higher
Hardness (HRB)	65 - 85	90 or Less

● Values in chart are for reference only. They are not guaranteed values.

## ● Physical property

	Inconel (NCF600)	SUS304
Specific Gravity	8.42	7.93
Longitudinal Elastic Modulus (GPa)	207	193
Specific Heat (J/kg · K)	444	500
Electric Resistance (μΩ · m)	1.0	0.7
Thermal Conductivity (W / (m · K))	16.7	17
Linear Expansion Coefficient (K <sup>-1</sup> )	13.4 × 10 <sup>-6</sup>	17.3 × 10 <sup>-6</sup>

● Values in chart are for reference only. They are not guaranteed values.

- Screws show excellent corrosion resistance against oxidizing and reducing by inorganic and organic acids. → P.637
- Excellent resistance to stress corrosion cracking caused by hydrogen sulfide ions.
- Nearly complete corrosion resistance against ammonia.
- Excellent heat resistance and creep resistance. High strength even near 600 deg C.

## ● Application

FPD production equipment, semiconductor devices, printed circuit board etching devices, metallic surface treatment equipment and facilities, and chemical plants

## ● Material/Finish

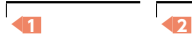
RoHS Compliant

SNSI	
Main Body	UNS N06600 (Inconel*600 equiv.)

\*Inconel is a registered trademark of Special Metals Corporation.

## ● Part number specification

### SNSI-M5- 16



Unit : mm

Part Number 1	M	L 2								D1	L1	B	Tension*1 Rupture Load (N)	Mass (g)
<b>SNSI-M3</b>	M3	6	8	10	12	16	20			5.5	3	2.5	2750	0.77 - 1.5
<b>SNSI-M4</b>	M4		8	10	12	16	20	25		7	4	3	4810	1.8 - 3.4
<b>SNSI-M5</b>	M5			10	12	16	20	25		8.5	5	4	7780	2.9 - 5.2
<b>SNSI-M6</b>	M6				12	16	20	25	30	10	6	5	11000	5.5 - 9
<b>SNSI-M8</b>	M8					16	20	25	30	35	13	8	20000	13 - 21

\*1 Values in chart are for reference only. They are not guaranteed values.

Part Number	Qty per pack
<b>SNSI-M3</b>	1
<b>SNSI-M4</b>	1
<b>SNSI-M5</b>	1
<b>SNSI-M6</b>	1
<b>SNSI-M8</b>	1

Individual Sales → P.794  
 Cleanroom Wash & Packaging → P.792  
 Screw Length Adjustment → P.796  
 Vibration Resistant → P.795  
 Modification process for captive use → P.791

1 unit in 1 bag    Cleanroom washed and packed    Available / Add'l charge    Available / Add'l charge    Available / Add'l charge