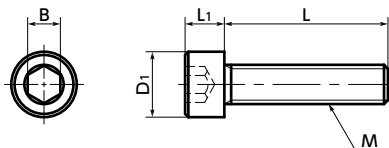




SNSI Hex Socket Head Cap Screws (Inconel equiv.)

Cleanroom wash & packaging Heat-resistance Chemical-proof



● Mechanical property

	Inconel (NCF600)	SUS304
Tensile Strength (N/mm ²)	548 - 695	520 or Higher
0.2% Proof Stress (N/mm ²)	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 (UNS N06600)	SUS304
Specific Gravity	8.42	7.93
Longitudinal Elastic Modulus (GPa)	207	193
Specific Heat (J/kg·K)	444	500
Electric Resistance ($\mu\Omega \cdot m$)	1.0	0.7
Thermal Conductivity (W/(m·K))	16.7	17
Linear Expansion Coefficient (K ⁻¹)	13.4×10^{-6}	17.3×10^{-6}

● 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.
- 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.
- Equivalent to JIS B 1176, ISO 4762, and DIN 912.

● Application

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

● Material/Finish



SNSI	
Main Body	UNS N06600 (Inconel®1600 equiv.)

*1: Inconel is a registered trademark of Special Metals Corporation.

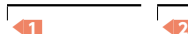
Unit : mm

Part Number 1	M (Coarse)		L 2	D1	L1	B	Tension*1 Rupture Load (N)	Mass (g)
	Nominal of Thread	Pitch						
SNSI-M3	M3	0.5	6 8 10 12 16 20	5.5	3	2.5	2750	0.77 - 1.5
SNSI-M4	M4	0.7	8 10 12 16 20 25	7	4	3	4810	1.8 - 3.4
SNSI-M5	M5	0.8	10 12 16 20 25	8.5	5	4	7780	2.9 - 5.2
SNSI-M6	M6	1	12 16 20 25 30	10	6	5	11000	5.5 - 9
SNSI-M8	M8	1.25	16 20 25 30 35	13	8	6	20000	13 - 21

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

● Part number specification

SNSI-M5-16



Batch cleanroom packing is provided for orders containing multiple items of the same size.

Individual Sales → P.0000	Cleanroom Wash & Packaging → P.0000	Screw Length Adjustment → P.0000	Vibration Resistant → P.0000	Modification process for captive use → P.0000
1 piece in 1 pack	Cleanroom washed and packed	Available / Add'l charge	Available / Add'l charge	Available / Add'l charge