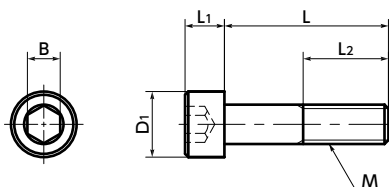




# SNST Hex Socket Head Cap Screws - Titanium

Cleanroom wash & packaging Chemical-proof Non-Magnetic Lightweight



## ● Material/Finish



	SNST
Main Body	TW340 (Grade 2 Titanium)

## ● Mechanical Properties

	TW340 (Grade 2 Titanium)
Tensile Strength (N/mm <sup>2</sup> )	340 - 510
0.2% Proof Load (N/mm <sup>2</sup> )	215 or More
Elongation (%)	23 or More

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

## ● Physical Properties

	TW340 (Grade 2 Titanium)
Specific Gravity	4.51
Melting Point (°C)	1668
Longitudinal Elastic Modulus (GPa)	106
Thermal Conductivity (W/(m·K))	17.16
Linear Expansion Coefficient (K <sup>-1</sup> )	$8.4 \times 10^{-6}$
Electric Resistance ( $\mu\Omega \cdot m$ )	0.55
Magnetic Permeability ( $\mu$ )	1.0001 (Nonmagnetic)

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

## ● Application

Lightweight applications in automobiles, aircrafts, spacecrafts, and robots  
FPD production equipment, semiconductor devices, electrical and electronic equipment, aquatic applications, and electrochemical plating



- The specific gravity is approximately 60% that of stainless steel.
- Non-magnetic.
- Excellent chemical resistance / seawater resistance.
- For the properties of titanium materials, see "Properties of Titanium."
- Complies with JIS B 1176, ISO 4762, and DIN 912. For details on shape and dimensions, please refer to the "Technical Information (JIS B 1176, ISO 4762)".
- Special chemical polishing and brightening treatment improve the quality of the surface. Additionally, products have been cleanroom washed and packed. Cleanroom specification prevents oil and dirt from adhering.

SNST



Unprocessed



															Unit : mm							
Part Number	M (Coarse)		L													D <sub>1</sub>	L <sub>1</sub>	B	L <sub>2</sub> *1	Tension Rupture Load *2 (N)	Torsional Torque *2 (N・m)	Mass (g)
	Nominal of Thread	Pitch																				
SNST-M3	M3	0.5	5	6	8	10	12	16	20						5.5	3	2.5	Full Thread	3210	1.5	0.38 - 0.77	
SNST-M4	M4	0.7		6	8	10	12	16	20	25	30				7	4	3	20(L=30)	5610	3.4	0.86 - 2.1	
SNST-M5	M5	0.8				10	12	16	20	25	30	35			8.5	5	4	22(L≥30)	9080	7.1	1.5 - 3.6	
SNST-M6	M6	1				10	12	16	20	25	30	35	40	45	50	10	6	5	24(L≥35)	12800	12	2.7 - 7.5

\*1 : If the "L" value is not in parentheses, the screw is full thread.

\*2 : Values in chart are for reference only. They are not guaranteed values.

## ● Part Number Specification

### SNST-M5-20



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

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