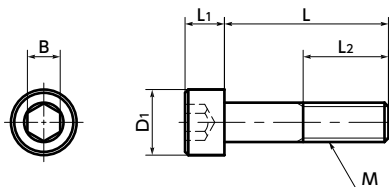




SNST Hex Socket Head Cap Screws - Titanium

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 ²)	340 - 510
0.2% Proof Load (N/mm ²)	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 ⁻¹)	8.4 × 10 ⁻⁶
Electric Resistance (μΩ·m)	0.55
Magnetic Permeability (μ)	1.0001 (Nonmagnetic)

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- 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."
- Compliant with JIS B 1176, ISO 4762, and DIN 912. ⇒ 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



● Application

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

Part Number ¹	M (Coarse)		L ²	D1	L1	B	L2*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

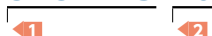
Unit : mm

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