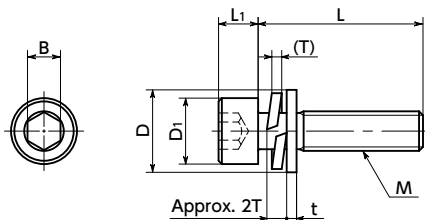




SNSI3T Titanium Hex Socket Head Cap Screws with Captive Washers

Vacuum
 Cleanroom wash & packaging
 Chemical-proof
 Non-Magnetic
 Lightweight
 Easy operation



Material/Finish



	SNSI3T
Screw Body	TW340 (Grade 2 Titanium)
Plain Washer*1	TP340 (Grade 2 Titanium)
Spring Washer	TW340 (Grade 2 Titanium)

*1: The material of **SNSI3T-M3** is TP270 (grade 1 titanium).

Mechanical Properties

	TW270 (Grade 1 Titanium)	TW340 (Grade 2 Titanium)
Tensile Strength (N/mm ²)	270 - 410	340 - 510
0.2% Proof Load (N/mm ²)	165 or More	215 or More
Elongation (%)	27 or More	23 or More

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

Physical Properties

	TW270 (Grade 1 Titanium) 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)

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

Part Number Specification

SNSI3T-M3-10



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

- Titanium hex socket head cap screws with captive washers.
- Plain washers and spring washers are integrated into the screws, preventing concerns about fallout issues. (Washer abbreviation: I=3)
- When using a washer in spot facing, workability is improved because the bolt and washer can be mounted and removed at the same time.
- The specific gravity is approximately 60% that of stainless steel.
- Non-magnetic.
- Excellent chemical resistance / seawater resistance.
- 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.

SNSI3T



Unprocessed



Application

Lighter-weight automobiles, aircrafts/aerospace equipment, robots, etc.
 FPD production equipment / Semiconductor manufacturing equipment /
 Electrical and electronic equipment / Offshore instruments / Plating facilities /
 General industrial equipment

Unit : mm

Part Number	M (Coarse)		L							D ₁	D	L ₁	B	t	T (Approx.)	Mass (g)
	Nominal of Thread	Pitch														
SNSI3T-M3	M3	0.5	8	10	12	16				5.5	7	3	2.5	0.5	0.7	0.58 - 0.79
SNSI3T-M4	M4	0.7	8	10	12	16	20			7	9	4	3	0.8	1	1.3 - 1.8
SNSI3T-M5	M5	0.8		10	12	16	20	25		8.5	10	5	4	1	1.3	2 - 3.2
SNSI3T-M6	M6	1			12	16	20	25	30	10	12.5	6	5	1.5	1.5	4.1 - 5.9

Individual Sales	Cleanroom Wash & Packaging	Screw Length Adjustment	Vibration Resistant	Modification process for captive use
1 piece in 1 pack	Cleanroom washed and packed	Not Available	Available / Add'l charge	Not Available