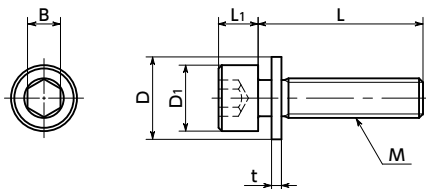


SNS11T Titanium Hex Socket Head Cap Screws with Captive Washers



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



● Material/Finish



	SNS11T
Screw Body	TW340 (Grade 2 Titanium)
Plain Washer*1	TP340 (Grade 2 Titanium)

*1: The material of **SNS11T-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

SNS11T-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 are integrated into the screws, preventing concerns about fallout issues. (Washer abbreviation: l=1)
- 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.

SNS11T



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	Mass (g)
	Nominal of Thread	Pitch													
SNS11T-M3	M3	0.5	8	10	12	16				5.5	7	3	2.5	0.5	0.52 - 0.73
SNS11T-M4	M4	0.7	8	10	12	16	20			7	9	4	3	0.8	1.1 - 1.7
SNS11T-M5	M5	0.8		10	12	16	20	25		8.5	10	5	4	1	1.8 - 3
SNS11T-M6	M6	1			12	16	20	25	30	10	12.5	6	5	1.5	3.6 - 5.4

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