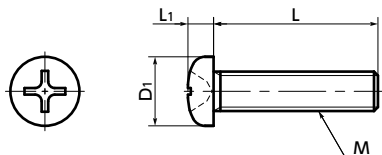




# SNPT Cross Recessed Pan Head Machine Screws - Titanium

Cleanroom wash & packaging Chemical-proof Non-Magnetic Lightweight



## Physical property

	TW270 (Grade 1 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 × 10 <sup>-6</sup>
Electric Resistance (μΩ·m)	0.55
Magnetic Permeability (μ)	1.0001 (Nonmagnetic)

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

## Mechanical property

	TW270 (Grade 1 Titanium)
Tensile Strength (N/mm <sup>2</sup> )	270 - 410
0.2% Proof Stress (N/mm <sup>2</sup> )	165 or Higher
Elongation (%)	27 or Higher

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

- Specific gravity is approximately 60% of stainless steel.
- Nonmagnetic.
- Excellent chemical and seawater resistance.
- Chemical polishing and brightening processing improve the screw surface. Furthermore, the screws are cleanroom washed, cleanroom packed, and comply with clean specifications that require no oil or foreign matter deposits.
- About the features of titanium

## Application

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

## Material/Finish



	SNPT
Main Body	TW270 (Grade 1 Titanium)

Unit : mm

Part Number	M (Coarse)		L								D1	L1	Cross-recessed Socket Number	Tension*1 Rupture Load (N)	Torsional*1 Torque (N·m)	Mass (g)		
	Nominal of Thread	Pitch																
<b>SNPT-M2</b>	M2	0.4	5	6	8	10						3.5	1.3	1	840	0.3	0.09 - 0.14	
<b>SNPT-M2.5</b>	M2.5	0.45	5	6	8	10	12					4.5	1.7	1	1380	0.5	0.17 - 0.3	
<b>SNPT-M3</b>	M3	0.5		6	8	10	12	16	20			5.5	2	2	2360	1	0.31 - 0.63	
<b>SNPT-M4</b>	M4	0.7			6	8	10	12	16	20	25	7	2.6	2	4120	2.4	0.59 - 1.4	
<b>SNPT-M5</b>	M5	0.8				8	10	12	16	20	25	30	9	3.3	2	6670	5.1	1.3 - 2.8

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

## Related Products

**SHNT** Titanium Hex Nut,  
**SWUT** Titanium Hex Lock Nut,  
and **SWAT** Titanium Washer  
are available.



## Part number specification

### SNPT-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