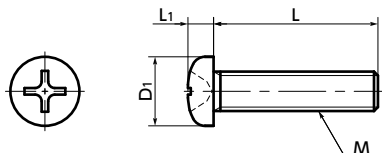




SNPT Cross Recessed Pan Head Machine Screws - Titanium

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 ⁻¹)	8.4 × 10 ⁻⁶
Electric Resistance (μΩ · m)	0.55
Amplitude 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 ²)	270 - 410
0.2% Proof Stress (N/mm ²)	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 1	M (Coarse)		L 2								D1	L1	Cross-recessed Socket Number	Tension*1 Rupture Load (N)	Torsional*1 Torque (N · m)	Mass (g)
	Nominal of Thread	Pitch														
SNPT-M2	M2	0.4	5	6	8	10					3.5	1.3	1	840	0.3	0.09 - 0.14
SNPT-M2.5	M2.5	0.45	5	6	8	10	12				4.5	1.7	1	1380	0.5	0.17 - 0.3
SNPT-M3	M3	0.5		6	8	10	12	16	20		5.5	2	2	2360	1	0.31 - 0.63
SNPT-M4	M4	0.7		6	8	10	12	16	20	25	7	2.6	2	4120	2.4	0.59 - 1.4
SNPT-M5	M5	0.8			8	10	12	16	20	25	30	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.

1 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