



### 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> )	$8.4 \times 10^{-6}$
Electric Resistance ( $\mu\Omega \cdot m$ )	0.55
Amplitude Permeability ( $\mu$ )	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

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### Part number specification

## SNPT-M5-20



- 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 ➔ P.xxxx

### 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)

### Related Products

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

➔ P.xxxx



Unit : mm

Part Number 1	M	L 2									D1	L1	Tension*1 Rupture Load (N)	Torsional*1 Torque (N·m)	Mass (g)
SNPT-M2	M2	5	6	8	10						3.5	1.3	840	0.3	0.09 - 0.14
SNPT-M2.5	M2.5	5	6	8	10	12					4.5	1.7	1380	0.5	0.17 - 0.3
SNPT-M3	M3		6	8	10	12	16	20			5.5	2	2360	1	0.31 - 0.63
SNPT-M4	M4		6	8	10	12	16	20	25		7	2.6	4120	2.4	0.59 - 1.4
SNPT-M5	M5			8	10	12	16	20	25	30	9	3.3	6670	5.1	1.3 - 2.8

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

Part Number	Qty per pack
SNPT-M2	1
SNPT-M2.5	1
SNPT-M3	1
SNPT-M4	1
SNPT-M5	1

1 Individual Sales ➔ P.xxxx	Cleanroom Wash & Packaging ➔ P.xxxx	Screw Length Adjustment ➔ P.xxxx	Vibration Resistant ➔ P.xxxx	Modification process for captive use ➔ P.xxxx
1 unit in 1 bag	Cleanroom washed and packed	Available / Add'l charge	Available / Add'l charge	Available / Add'l charge