

Physical property

	TW270 (Grade 1 Titanium)					
Specific Gravity	4.51					
Melting Point (°C)	1668					
Longitudinal Elastic Modulus (GPa)	106					
Thermal Conductivity $(W/(m \cdot K))$	17.16					
Linear Expansion Coefficient (K-1)	8.4×10 ⁻⁶					
Electric Resistance ($\mu\Omega \cdot m$)	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/mm²)	270 - 410					
0.2% Proof Stress (N/mm²)	165 or Higher					
Elongation (%)	27 or Higher					

- Values in chart are for reference only. They are not guaranteed values.
- Part number specification





- 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

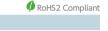
SNPT

Application

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

TW270 (Grade 1 Titanium)

Material/Finish



Related Products

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

→ P.xxxx

Main Body



Unit:mm

Part Number	M	L 2	L 1								D1	Lı	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