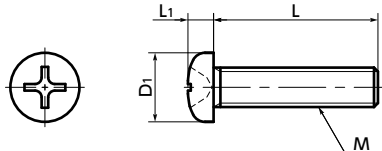


# SNPT Cross Recessed Pan Head Machine Screws - Titanium



[WEB Selection Tool](#)
[WEB CAD Download](#)
[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
Amplitude Permeability (μ)	1.0001 (Nonmagnetic)

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

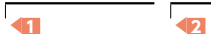
## Mechanical property

	TW270 (Grade 1 Titanium)
Tensile Strength (N/mm <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.

## 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.625

## 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.632 - 634



Unit : mm

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

[1 Individual Sales → P.794](#)
[Cleanroom Wash & Packaging → P.792](#)
[Screw Length Adjustment → P.796](#)
[Vibration Resistant → P.795](#)
[Modification process for captive use → P.791](#)

1 unit in 1 bag    Cleanroom washed and packed    Available / Add'l charge    Available / Add'l charge    Available / Add'l charge