



# SNFT Cross Recessed Flat Head Machine Screws - Titanium

WEB Selection Tool

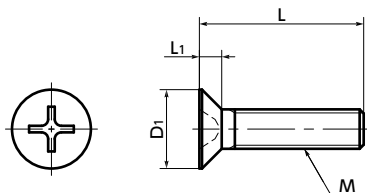
WEB CAD Download

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

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- 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
- Also, titanium screws with special specifications such as ventilation holes, dimensions, shapes, cleanroom washing, and special packaging are available.



## 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

RoHS Compliant

	SNFT
Main Body	TW270 (Grade 1 Titanium)

## Part number specification

**SNFT-M4-10**



Unit : mm

Part Number	M	L			D1	L1	Tension*1 Rupture Load (N)	Torsional*1 Torque (N · m)	Mass (g)
<b>SNFT-M3</b>	M3	6	8	10	6	1.75	2360	1	0.31 - 0.4
<b>SNFT-M4</b>	M4	6	8	10	12	2.3	4120	2.4	0.59 - 0.86

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

Part Number	Qty per pack
<b>SNFT-M3</b>	1
<b>SNFT-M4</b>	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	Not Available