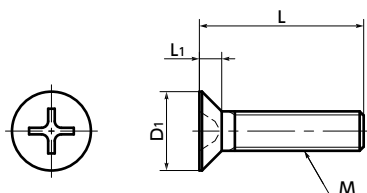




# SNFT Cross Recessed Flat Head Machine Screws - Titanium

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 <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.

- 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

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



## 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



	SNFT
Main Body	TW270 (Grade 1 Titanium)

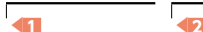
Unit : mm

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											
SNFT-M3	M3	0.5	6	8	10		6	1.75	2		2360	1	0.31 - 0.4
SNFT-M4	M4	0.7	6	8	10	12	8	2.3	2		4120	2.4	0.59 - 0.86

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

## Part number specification

### SNFT-M4-10



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	Not Available