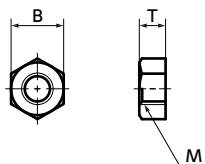




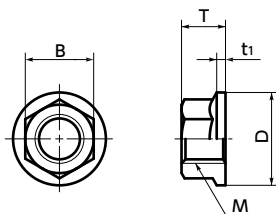
# SHNT Hex Nuts - Titanium

Cleanroom wash & packaging
 Chemical-proof
 Non-Magnetic
 Lightweight

SHNT



SHNT-F



SHNT-F



SHNT

## Physical property

	TW270 (Grade 1 Titanium)	TW340 (Grade 2 Titanium)
Specific Gravity	4.51	4.51
Melting Point (°C)	1668	1668
Longitudinal Elastic Modulus (GPa)	106	106
Thermal Conductivity (W/(m·K))	17.16	17.16
Linear Expansion Coefficient (K <sup>-1</sup> )	8.4×10 <sup>-6</sup>	8.4×10 <sup>-6</sup>
Electric Resistance (μΩ·m)	0.55	0.55
Magnetic Permeability (μ)	1.0001 (Nonmagnetic)	1.0001 (Nonmagnetic)

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

## Mechanical property

	TW270 (Grade 1 Titanium)	TW340 (Grade 2 Titanium)
Tensile Strength (N/mm <sup>2</sup> )	270 - 410	340 - 510
0.2% Proof Stress (N/mm <sup>2</sup> )	165 or Higher	215 or Higher
Elongation (%)	27 or Higher	23 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.

## 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



	SHNT	SHNT-F
Main body	TW270 (Grade 1 Titanium)	TW340 (Grade 2 Titanium)

## Part number specification

### SHNT-M6-F



Batch cleanroom packing is provided for orders containing multiple items of the same size.

## SHNT Hex Nuts - Titanium

Unit : mm

Part Number	M (Coarse)		B	T	Mass (g)
	Nominal of Thread	Pitch			
SHNT-M3	M3	0.5	5.5	2.4	0.2
SHNT-M4	M4	0.7	7	3.2	0.46
SHNT-M5	M5	0.8	8	4	0.69
SHNT-M6	M6	1	10	5	1.4
SHNT-M8	M8	1.25	13	6.5	3.1
SHNT-M10	M10	1.5	17	8	6.5

## SHNT-F Hex Flange Nuts - Titanium

Unit : mm

Part Number	M (Coarse)		B	T	t <sub>1</sub>	D	Mass (g)
	Nominal of Thread	Pitch					
SHNT-M3-F	M3	0.5	5.5	3.7	0.8	8	0.4
SHNT-M4-F	M4	0.7	7	4.2	0.8	10	0.72
SHNT-M5-F	M5	0.8	8	5.5	1.1	12	1.3
SHNT-M6-F	M6	1	10	6	1.5	14	1.9
SHNT-M8-F	M8	1.25	12	7.5	1.5	17	3.3
SHNT-M10-F	M10	1.5	14	9	1.8	19	4.8

Individual Sales	Cleanroom Wash & Packaging	Screw Length Adjustment	Vibration Resistant	Modification process for captive use
1 piece in 1 pack	Cleanroom washed and packed	Not Available	Not Available	Not Available