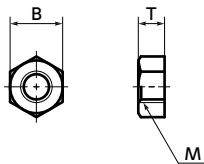




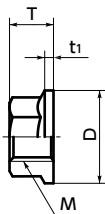
SHNT Hex Nuts - Titanium

WEB Selection Tool
 WEB CAD Download
 Cleanroom wash & packaging
 Chemical-proof
 Non-Magnetic
 Lightweight

SHNT



SHNT-F



● **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 ⁻¹)	8.4×10 ⁻⁶	8.4×10 ⁻⁶
Electric Resistance (μΩ·m)	0.55	0.55
Amplitude 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 ²)	270 - 410	340 - 510
0.2% Proof Stress (N/mm ²)	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



SHNT Hex Nuts - Titanium

Unit : mm

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

SHNT-F Hex Flange Nuts - Titanium

Unit : mm

Part Number	M (Coarse)		B	T	t1	D	Mass (g)	Qty per pack
	Nominal of Thread	Pitch						
SHNT-M3-F	M3	0.5	5.5	3.7	0.8	8	0.4	1
SHNT-M4-F	M4	0.7	7	4.2	0.8	10	0.72	1
SHNT-M5-F	M5	0.8	8	5.5	1.1	12	1.3	1
SHNT-M6-F	M6	1	10	6	1.5	14	1.9	1
SHNT-M8-F	M8	1.25	12	7.5	1.5	17	3.3	1
SHNT-M10-F	M10	1.5	14	9	1.8	19	4.8	1

Individual Sales → P.0000	Cleanroom Wash & Packaging → P.0000	Screw Length Adjustment → P.0000	Vibration Resistant → P.0000	Modification process for captive use → P.0000
1 pc. in 1 bag	Cleanroom washed and packed	Not Available	Not Available	Not Available