



SHNT Hex Nuts / Hex Flange Nuts - Titanium

WEB Selection Tool

WEB CAD Download

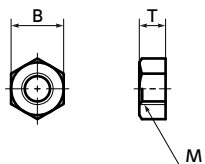
Cleanroom wash & packaging

Chemical-proof

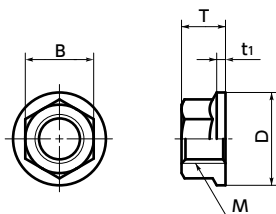
Non-Magnetic

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 ($\mu\Omega \cdot m$)	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

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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.

● 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

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

● Part number specification

SHNT-M6-F

1

SHNT Hex Nuts

Unit : mm

Part Number	M	B	T	Mass (g)	Qty per pack
SHNT-M3	M3	5.5	2.4	0.2	1
SHNT-M4	M4	7	3.2	0.46	1
SHNT-M5	M5	8	4	0.69	1
SHNT-M6	M6	10	5	1.4	1
SHNT-M8	M8	13	6.5	3.1	1
SHNT-M10	M10	17	8	6.5	1

SHNT-F Hex Flange Nuts

Unit : mm

Part Number	M	B	T	t ₁	D	Mass (g)	Qty per pack
SHNT-M3-F	M3	5.5	3.7	0.8	8	0.4	1
SHNT-M4-F	M4	7	4.2	0.8	10	0.72	1
SHNT-M5-F	M5	8	5.5	1.1	12	1.3	1
SHNT-M6-F	M6	10	6	1.5	14	1.9	1
SHNT-M8-F	M8	12	7.5	1.5	17	3.3	1
SHNT-M10-F	M10	14	9	1.8	19	4.8	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 pc. in 1 bag	Cleanroom washed and packed	Not Available	Not Available	Not Available