



• Socket Head Cap Screws • Cross Recessed Machine Screws

	Socket Head Cap Screws		Cross Recessed Machine Screws			
Part Number	SNSTG	SNST	SNPTG	SNPT	SNFTG	SNFT
Shape						
Page	P.635	P.636	P.637	P.638	P.639	P.640
Materials	Ti-6Al-4V (64 Titanium)	TB340C (Grade 2 Titanium)	Ti-15-3-3-3 (β Titanium)	TW270 (Grade 1 Titanium)	Ti-15-3-3-3 (β Titanium)	TW270 (Grade 1 Titanium)
Characteristics	High Strength • Lightweight • Nonmagnetic • Corrosion Resistance	Lightweight • Nonmagnetic • Chemical Resistance	High Strength • Lightweight • Nonmagnetic • Corrosion Resistance	Lightweight • Nonmagnetic • Chemical Resistance	High Strength • Lightweight • Nonmagnetic • Corrosion Resistance	Lightweight • Nonmagnetic • Chemical Resistance
Size	M3 - M10	M3 - M6	M3 - M5	M2 - M5	M3 - M5	M3 - M4

• Nuts • Washers

	Hex Nuts	Hex Lock Nuts	Washers
Part Number	SHNT	SWUT	SWAT
Shape			
Page	P.641	P.642	P.643
Materials	TW270 (Grade 1 Titanium) TW340 (Grade 2 Titanium)	FRS-9901 (Equivalent to TW340)	TP340C (Grade 2 Titanium)
Characteristics	Lightweight • Nonmagnetic • Chemical Resistance With Flange	Lightweight • Nonmagnetic • Chemical Resistance Vibration Resistant	Lightweight • Nonmagnetic • Chemical Resistance
Size	M3 - M10	M3 - M10	Nominal 3 to 10

- Titanium screws by NBK receive chemical polishing and brightening processing to improve their surfaces. Furthermore, the screws are cleanroom washed and comply with clean specifications that require no oil or foreign matter deposits.

Titanium Screws by NBK
Chemically Polishing and
Brightening Processing

Unprocessed



Properties of Titanium

• Physical Properties

Properties	TB340C (Pure Titanium)	Ti-6Al-4V (64 Titanium)	Ti-15-3-3-3 (β Titanium)
Specific Gravity	4.51	4.43	4.8
Melting Point (°C)	1668	1540	—
Longitudinal Elastic Modulus (GPa)	106	113	90
Thermal Conductivity (W / (m · K))	17.16	7.5	—
Linear Expansion Coefficient (K ⁻¹)	8.4×10 ⁻⁶	8.8×10 ⁻⁶	—
Electric Resistance (μΩ · m)	0.55	1.7	—
Amplitude Permeability (μ)	1.0001	1.0002	1.0002

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

• Mechanical Properties

Properties	TB340C (Pure Titanium)	Ti-6Al-4V (64 Titanium)	Ti-15-3-3-3 (β Titanium)	SUSXM7*
Tensile Strength (N/mm ²)	340 - 510	895 or Higher	705 - 945	500
0.2% Proof Stress (N/mm ²)	215 or Higher	825 or Higher	690 - 835	210
Elongation (%)	23 or Higher	10 or Higher	12 or Higher	—

*Values for Strength Class A2 - 50.

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

• Tension Rupture Load (N)

Thread	TB340C (Pure Titanium)	Ti-6Al-4V (64 Titanium)	Ti-15-3-3-3 (β Titanium)	SUSXM7*
M3	3210	5240	4170	2500
M4	5610	8850	7520	4400
M5	9080	14700	11900	7100
M6	12800	20800	—	10100
M8	—	33700	—	18300
M10	—	58900	—	29000

*Values for Strength Class A2 - 50.

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

• Magnetic Flux Density

	Titanium	SUSXM7
Magnetic Flux Density (T)	0	5×10 ⁻⁵

Measuring device : 5080 Gauss (Tesla) Meter by F.W.BELL

Measuring conditions : DC magnetic field measuring mode Probe and sample separation distance: 5 mm

• Chemical Resistance

(Partially excerpted from "World of Titanium" by Japan Titanium Society)

Chemical Name	Composition (%)	Corrosion Resistibility		
		Pure Titanium	SUS304	Hastelloy*
Hydrochloric Acid	10 30	○ ×	×	○ ○
Sulfuric Acid	10 50	△ ×	— ×	○ ○
Nitric Acid	10 50	○ ○	○ ○	— —
Nitrohydrochloric Acid (HCl : HNO ₃)	3:01	○	×	△
Chromic Acid	5	○	—	○
Hydrofluoric Acid	5	×	×	△
Phosphoric Acid (Ventilation)	50	△	○	○
Ferric Chloride	10 - 30	○	×	○
Cupric Chloride	10 - 30	○	×	○
Sodium Chloride	10 - 40	○	○	○
Calcium Chloride	50	○	○	○
Ammonium Chloride	40	○	—	○
Magnesium Chloride	40	○	○	○
Ferrous Sulfate	10 - 50	○	○	○
Ammonia	10 - 30	○	○	○
Sodium Hydroxide	50	○	○	—
Sodium Carbonate	10	○	○	○
Hydrogen Sulfide	Dry Gas Wet Gas	○ ○	△ ○	○ ○
Hydrogen Sulfide	Dry Gas Wet Gas	×	—	○ △
Sulfur Dioxide	Dry Gas Wet Gas	○ ○	—	—
Seawater	High Speed Stream	○	—	—
Formic Acid	10 - 50	○	○	○
Lactic Acid	50	○	○	○
Oxalic Acid	20	×	—	○
Citric Acid	10 - 50	○	○	○

Testing Temperature : Room Temperature

○ : <0.127 mm/year △ : 0.508 - 1.27 mm/year

○ : 0.127 - 0.508 mm/year × : >1.27 mm/year

*Hastelloy is a registered trademark of Haynes International, Inc.

 Important Information about
Chemical Resistance Data

- A test piece was used to acquire the test data.
- Chemical resistance changes with performance conditions. Always carry out tests under performance conditions similar to actual conditions in advance.

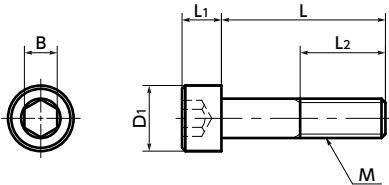
SNSTG

Hex Socket Head Cap Screws - High Intensity Titanium Alloy

e-nedzi.com®



WEB Selection Tool WEB CAD Download Cleanroom wash & packaging Non-Magnetic High strength Lightweight



Physical property

	Ti-6Al-4V (64 Titanium)
Specific Gravity	4.43
Melting Point (°C)	1540
Longitudinal Elastic Modulus (GPa)	113
Thermal Conductivity (W/(m·K))	7.5
Linear Expansion Coefficient (K ⁻¹)	8.8×10 ⁻⁶
Electric Resistance (μΩ·m)	1.7
Amplitude Permeability (μ)	1.0002 (Nonmagnetic)

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

Mechanical property

	Ti-6Al-4V (64 Titanium)
Tensile Strength (N/mm ²)	895 or Higher
0.2% Proof Stress (N/mm ²)	825 or Higher
Elongation (%)	10 or Higher

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

- Screws made of high strength titanium alloy.
- Specific gravity is approximately 60% of stainless steel.
- Nonmagnetic.
- These screws are resistant to corrosion and are particularly strong against seawater.
- 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 properties of titanium ➡ P.633

Application

Lightweight applications in automobiles, aircrafts, spacecrafts, and robots FPD production equipment, semiconductor devices, electrical and electronic equipment, and aquatic applications

Material/Finish



	SNSTG
Main Body	Ti-6Al-4V (64 Titanium)

Part number specification

SNSTG-M5-20



Unit : mm

Part Number	1	M	L	2	D1	L1	B	L2*1	Tension*2 Rupture Load (N)	Mass (g)
SNSTG-M3	M3	6	8	10 12 16 20	5.5	3	2.5	Full Thread	5240	0.4 - 0.77
SNSTG-M4	M4		8	10 12 16 20 25 30	7	4	3	Full Thread	8850	0.94 - 2.1
SNSTG-M5	M5			10 12 16 20 25 30 35	8.5	5	4	Full Thread	14700	1.5 - 3.6
SNSTG-M6	M6			10 12 16 20 25 30 35 40 45 50	10	6	5	45(L=50)	20800	2.7 - 7.5
SNSTG-M8	M8			16 20 25 30 35 40 45 50	13	8	6	45(L=50)	33700	6.9 - 14
SNSTG-M10	M10			16 20 25 30 35 40 45 50	16	10	8	45(L=50)	58900	12 - 22

*1 : If the " L " value is not in parentheses, the screw is full thread.
*2 : Values in chart are for reference only. They are not guaranteed values.

Part Number	Qty per pack
SNSTG-M3	1
SNSTG-M4	1
SNSTG-M5	1
SNSTG-M6	1
SNSTG-M8	1
SNSTG-M10	1

1 Individual Sales ➡ P.809	Cleanroom Wash & Packaging ➡ P.807	Screw Length Adjustment ➡ P.811	Vibration Resistant ➡ P.810	Modification process for captive use ➡ P.806
1 unit in 1 bag	Cleanroom washed and packed	Available / Add'l charge	Available / Add'l charge	Available / Add'l charge

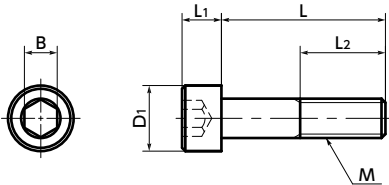
SNST

Hex Socket Head Cap Screws - Titanium

e-nedzi.com®



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



Physical property

	TB340C (Grade 2 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 ⁻¹)	8.4×10 ⁻⁶
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

	TB340C (Grade 2 Titanium)
Tensile Strength (N/mm ²)	340 - 510
0.2% Proof Stress (N/mm ²)	215 or Higher
Elongation (%)	23 or Higher

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

Part number specification

SNST-M5-20



- Specific gravity is approximately by 60% of stainless steel.
- Nonmagnetic.
- Excellent chemical and seawater resistance.
- About the features of titanium ➡ P.633
- 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.

SNST

Unprocessed



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



	SNST
Main Body	TB340C (Grade 2 Titanium)

Unit : mm

Part Number	M	L	2	D1	L1	B	L2*1	Tension*2 Rupture Load (N)	Torsional*2 Torque (N·m)	Mass (g)
SNST-M3	M3	5	6 8 10 12 16 20	5.5	3	2.5	Full Thread	3210	1.5	0.38 - 0.77
SNST-M4	M4		8 10 12 16 20 25 30	7	4	3	20(L=30)	5610	3.4	0.94 - 2.1
SNST-M5	M5		10 12 16 20 25 30 35	8.5	5	4	22(L≥30)	9080	7.1	1.5 - 3.6
SNST-M6	M6		10 12 16 20 25 30 35 40 45 50	10	6	5	24(L≥35)	12800	12	2.7 - 7.5

*1 : If the " L " value is not in parentheses, the screw is full thread.
*2 : Values in chart are for reference only. They are not guaranteed values.

Part Number	Qty per pack
SNST-M3	1
SNST-M4	1
SNST-M5	1
SNST-M6	1

1 Individual Sales ➡ P.809	Cleanroom Wash & Packaging ➡ P.807	Screw Length Adjustment ➡ P.811	Vibration Resistant ➡ P.810	Modification process for captive use ➡ P.806
1 unit in 1 bag	Cleanroom washed and packed	Available / Add'l charge	Available / Add'l charge	Available / Add'l charge

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SNPTG Cross Recessed Pan Head Machine Screws - High Intensity Titanium Alloy

 WEB Selection Tool

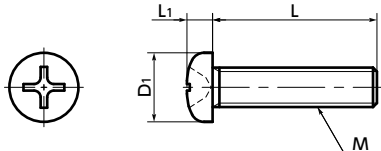
 WEB CAD Download

 Cleanroom wash & packaging

 Non-Magnetic

 High strength

 Lightweight



Physical property

	Ti-15-3-3-3 (β Titanium)
Specific Gravity	4.8
Longitudinal Elastic Modulus (GPa)	90
Amplitude Permeability (μ)	1.0002 (Nonmagnetic)

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

Mechanical property

	Ti-15-3-3-3 (β Titanium)
Tensile Strength (N/mm²)	705 - 945
0.2% Proof Stress (N/mm²)	690 - 835
Elongation (%)	12 or Higher

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

- Screws made of high strength titanium alloy.
- Specific gravity is approximately 60% of stainless steel.
- Nonmagnetic.
- These screws are resistant to corrosion and are particularly strong against seawater.
- About the properties of titanium ➡ P.633
- 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.

SNPTG

Unprocessed



Application

Lightweight applications in automobiles, aircrafts, spacecrafts, and robots FPD production equipment, semiconductor devices, electrical and electronic equipment, and aquatic applications

Material/Finish

 RoHS2 Compliant

	SNPTG
Main Body	Ti-15-3-3-3 (β Titanium)

Part number specification

SNPTG-M5-20

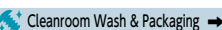
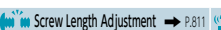
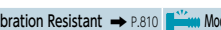
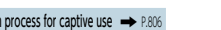
1

2

Unit : mm												
Part Number 1	M	L 2							D1	L1	Tension*1 Rupture Load (N)	Mass (g)
SNPTG-M3	M3	6	8	10	12	15	20		5.5	2	4170	0.33 - 0.68
SNPTG-M4	M4	6	8	10	12	15	20	25	7	2.6	7520	0.63 - 1.5
SNPTG-M5	M5		8	10	12	15	20	25	9	3.3	11900	1.4 - 2.6

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

Part Number	Qty per pack
SNPTG-M3	1
SNPTG-M4	1
SNPTG-M5	1

1 Individual Sales ➡ P.809	 Cleanroom Wash & Packaging ➡ P.807	 Screw Length Adjustment ➡ P.811	 Vibration Resistant ➡ P.810	 Modification process for captive use ➡ P.806
1 unit in 1 bag	Cleanroom washed and packed	Available / Add'l charge	Available / Add'l charge	Available / Add'l charge

SNPT Cross Recessed Pan Head Machine Screws - Titanium

 WEB Selection Tool

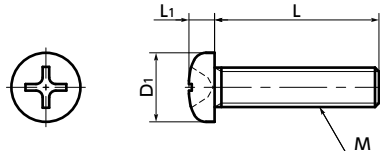
 WEB CAD Download

 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 ⁻¹)	8.4×10 ⁻⁶
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/mm²)	270 - 410
0.2% Proof Stress (N/mm²)	165 or Higher
Elongation (%)	27 or Higher

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

Part number specification

SNPT-M5-20

1

2

- 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.633

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

 RoHS2 Compliant

	SNPT
Main Body	TW270 (Grade 1 Titanium)

Related Products

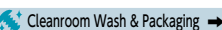
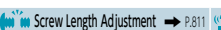
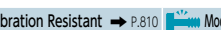
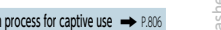
 SHNT Titanium Hex Nut,
 SWUT Titanium Hex Lock Nut,
and  SWAT Titanium Washer
are available.
➡ P.641 - 643



Unit : mm														
Part Number	M	L 2							D1	L1	Tension*1 Rupture Load (N)	Torsional*1 Torque (N·m)	Mass (g)	
SNPT-M2	M2	5	6	8	10				3.5	1.3	840	0.3	0.09 - 0.14	
SNPT-M2.5	M2.5	5	6	8	10	12			4.5	1.7	1380	0.5	0.17 - 0.3	
SNPT-M3	M3		6	8	10	12	16	20	5.5	2	2360	1	0.31 - 0.63	
SNPT-M4	M4		6	8	10	12	16	20	7	2.6	4120	2.4	0.59 - 1.4	
SNPT-M5	M5			8	10	12	16	20	9	3.3	6670	5.1	1.3 - 2.8	

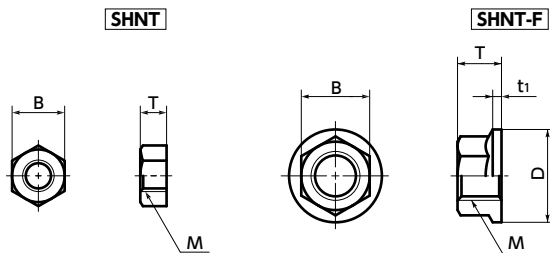
*1 : Values in chart are for reference only. They are not guaranteed values.

Part Number	Qty per pack
SNPT-M2	1
SNPT-M2.5	1
SNPT-M3	1
SNPT-M4	1
SNPT-M5	1

1 Individual Sales ➡ P.809	 Cleanroom Wash & Packaging ➡ P.807	 Screw Length Adjustment ➡ P.811	 Vibration Resistant ➡ P.810	 Modification process for captive use ➡ P.806
1 unit in 1 bag	Cleanroom washed and packed	Available / Add'l charge	Available / Add'l charge	Available / Add'l charge

SHNT Hex Nuts - Titanium

[WEB Selection Tool](#) [WEB CAD Download](#) [Cleanroom wash & packaging](#) [Chemical-proof](#) [Non-Magnetic](#) [Lightweight](#)



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	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 - Titanium

Unit : mm

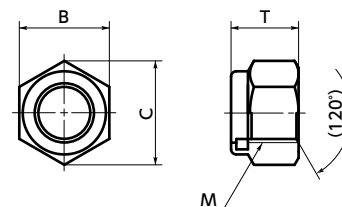
Part Number	M	B	T	t ₁	D	Mass (g)	Qty per pack
SHNT-M3-F	M3	5.5	3.7	0.8	8	0.4	1
SHNT-M4-F	M4	7	4.2	0.8	10	0.72	1
SHNT-M5-F	M5	8	5.5	1.1	12	1.3	1
SHNT-M6-F	M6	10	6	1.5	14	1.9	1
SHNT-M8-F	M8	12	7.5	1.5	17	3.3	1
SHNT-M10-F	M10	14	9	1.8	19	4.8	1

1 Individual Sales → P.809	Cleanroom Wash & Packaging → P.807	Screw Length Adjustment → P.811	Vibration Resistant → P.810	Modification process for captive use → P.806
1 pc. in 1 bag	Cleanroom washed and packed	Not Available	Not Available	Not Available



SWUT Hex Lock Nuts - Titanium

[WEB Selection Tool](#) [WEB CAD Download](#) [Cleanroom wash & packaging](#) [Non-Magnetic](#) [Lightweight](#) [Vibration resistant treatment](#)



- Specific gravity is approximately 60% of stainless steel.
- These nuts are equipped with vibration resistant patch to prevent screw from loosening.
- Continuous Max. Operating Temperature : -40 to 120 deg C

Application

Lightweight applications in automobiles, aircrafts, spacecrafts, and robots FPD production equipment, semiconductor devices, electrical and electronic equipment, and loosening prevention

Material/Finish



	SWUT
Main Body	FRS-9901 (Equivalent to TW340)
Nylon Ring	Nylon 66

Unit : mm

Part Number	M	B	C (Approx.)	T	Mass (g)	Qty per pack
SWUT-M3	M3	5.5	6.4	4	0.27	1
SWUT-M4	M4	7	8.1	5	0.52	1
SWUT-M5	M5	8	9.2	6.5	0.77	1
SWUT-M6	M6	10	11.5	8	1.8	1
SWUT-M8	M8	13	15	9.8	3.5	1
SWUT-M10	M10	17	19.6	12	7.3	1

Related Products

SWUS Hexagon Lock Nut made of stainless steel is available.
→ P.797



Part number specification

SWUT-M6



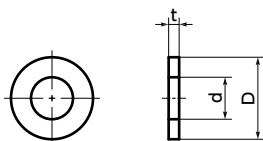
1 Individual Sales → P.809	Cleanroom Wash & Packaging → P.807	Screw Length Adjustment → P.811	Vibration Resistant → P.810	Modification process for captive use → P.806
1 pc. in 1 bag	Cleanroom washed and packed	Not Available	Not Available	Not Available

SWAT Washers - Titanium

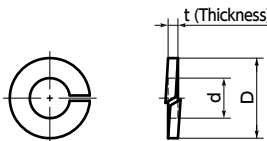
WEB Selection Tool CAD Download Cleanroom wash & packaging Chemical-proof Non-Magnetic Lightweight



SWAT-F



SWAT-S



Physical property

	TP340C (Grade 2 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 ⁻¹)	8.4×10 ⁻⁶
Electric Resistance (μΩ·m)	0.55
Amplitude Permeability (μ)	1.0001 (Nonmagnetic)

• 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



	SWAT
Main Body	TP340C (Grade 2 Titanium)

SWAT-F Plain Washers - Titanium

Unit : mm

Part Number	Nominal	d	D	t	Mass (g)	Qty per pack
SWAT-3-F	3	3.2	7	0.5	0.068	1
SWAT-4-F	4	4.3	9	0.8	0.18	1
SWAT-5-F	5	5.3	10	1	0.25	1
SWAT-6-F	6	6.4	12.5	1.6	0.65	1
SWAT-8-F	8	8.4	17	1.6	1.2	1
SWAT-10-F	10	10.5	21	2	2.3	1

SWAT-S Spring Washers - Titanium

Unit : mm

Part Number	Nominal	d	D	t	Mass (g)	Qty per pack
SWAT-3-S	3	3.1	5.9	0.7	0.062	1
SWAT-4-S	4	4.1	7.6	1	0.15	1
SWAT-5-S	5	5.1	9.2	1.3	0.27	1
SWAT-6-S	6	6.1	12.2	1.5	0.59	1
SWAT-8-S	8	8.2	15.4	2	1.2	1
SWAT-10-S	10	10.2	18.4	2.5	2.1	1

Related Products

SWAT-VF Titanium Washer with Ventilation Grooves is available.
➔ P.584



Part number specification

SWAT-6-F



1 Individual Sales ➔ P.809	Cleanroom Wash & Packaging ➔ P.807	Screw Length Adjustment ➔ P.811	Vibration Resistant ➔ P.810	Modification process for captive use ➔ P.806
1 pc. in 1 bag	Cleanroom washed and packed	Not Available	Not Available	Not Available

Selection Navigator



CAD Data Download

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