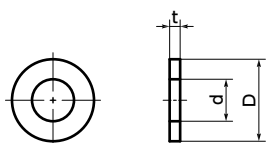




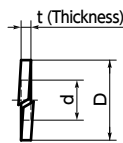
SWAT Washers - Titanium

Cleanroom wash & packaging
 Chemical-proof
 Non-Magnetic
 Lightweight

SWAT-F



SWAT-S



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)
SWAT-3-F	3	3.2	7	0.5	0.068
SWAT-4-F	4	4.3	9	0.8	0.18
SWAT-5-F	5	5.3	10	1	0.25
SWAT-6-F	6	6.4	12.5	1.6	0.65
SWAT-8-F	8	8.4	17	1.6	1.2
SWAT-10-F	10	10.5	21	2	2.3

SWAT-S Spring Washers - Titanium

Unit : mm

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

Part number specification

SWAT-6-F

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

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