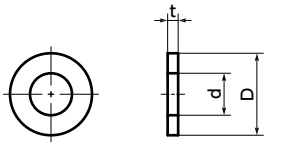
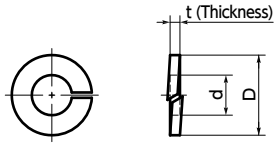
SWAT Washers - Titanium

Cleanroom wash & packaging | Chemical-proof | Non-Magnetic | Lightweight

SWAT-F



SWAT-S



Physical property

	TP340C (Grade 2 Titanium)
Specific Gravity	4.51
Melting Point (℃)	1668
Longitudinal Elastic Modulus (GPa)	106
Thermal Conductivity (W/(m・K))	17.16
Linear Expansion Coefficient (K^{-1})	8.4×10^{-6}
Electric Resistance ($\mu\Omega$・m)	0.55
Magnetic 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.
- Removes the dirt that follows manufacturing, leaving a glossy finish. Additionally, products have been cleanroom washed and packed. Clean specification prevents oil and dirt from adhering.

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

	SWAT
Main Body	TP340C (Grade 2 Titanium)

SWAT-F Plain Washers - Titanium

Unit : mm

Part Number 1	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 1	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

1

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

1 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