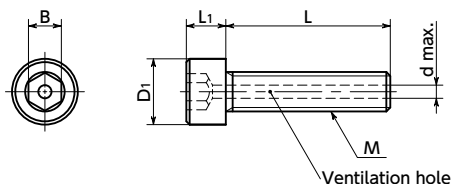




SVST Vented Socket Head Cap Screws - Titanium

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



Material/Finish



	SVST
Main Body	TW340 (Grade 2 Titanium)

Mechanical Properties

	TW340 (Grade 2 Titanium)
Tensile Strength (N/mm ²)	340 - 510
0.2% Proof Load (N/mm ²)	215 or More
Elongation (%)	23 or More

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

Physical Properties

	TW340 (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 ($\mu\Omega \cdot m$)	0.55
Magnetic Permeability (μ)	1.0001 (Nonmagnetic)

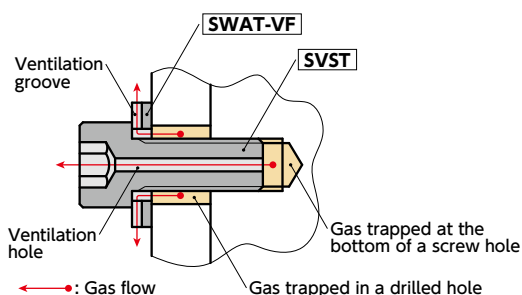
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- The ventilation hole easily releases gas trapped in the screw holes of equipment and machines, and supports vacuum drawing of vacuum devices.
- Special chemical polishing and brightening treatment improve the quality of the surface. Outgas quantity is extremely low.
- Non-magnetic.
- Cleanroom wash/cleanroom packing provided.
- For the properties of titanium materials, see "Properties of Titanium."
- Application

Vacuum devices, vacuum chambers, FPD production equipment, semiconductor devices, and electron microscopes

Usage Example

Gas trapped at the bottom of the screw hole is released through **SVST**, and gas trapped in the drilled hole is released through **SWAT-VF**.



Unit : mm

Part Number	M (Coarse)		L								D1	L1	B	d	Mass (g)
	Nominal of Thread	Pitch	5	6	8	10	12	16	20						
SVST-M3	M3	0.5									5.5	3	2.5	1.2	0.38 - 0.77
SVST-M4	M4	0.7									7	4	3	1.5	0.86 - 1.3
SVST-M5	M5	0.8									8.5	5	4	1.5	1.5 - 2.7

Related Products

For ventilation of drilled holes, please use **SWAT-VF**.



Part Number Specification

SVST-M5-20

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	Available / Add'l charge	Not Available	Please feel free to contact us