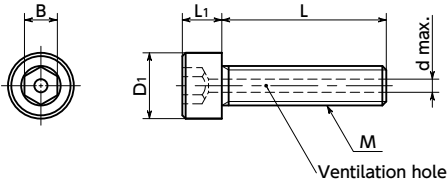


# SVST Hex Socket Head Cap Screws with Ventilation Hole - Titanium



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



## Material/Finish



	<b>SVST</b>
Main Body	TW340 (Grade 2 Titanium)

## Mechanical Properties

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

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

## Physical Properties

	<b>TW340 (Grade 2 Titanium)</b>
Specific Gravity	4.51
Melting Point (°C)	1668
Longitudinal Elastic Modulus (GPa)	106
Thermal Conductivity (W/(m·K))	17.16
Linear Expansion Coefficient (K <sup>-1</sup> )	8.4 × 10 <sup>-6</sup>
Electric Resistance (μΩ·m)	0.55
Magnetic Permeability (μ)	1.0001 (Nonmagnetic)

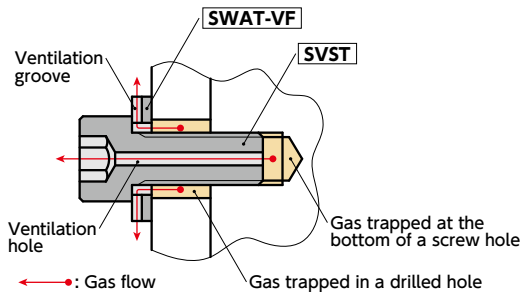
• Values in chart are for reference only. They are not guaranteed values.

- 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	25					
<b>SVST-M3</b>	M3	0.5	5	6	8	10	12	16	20		5.5	3	2.5	1.2	0.38 - 0.77
<b>SVST-M4</b>	M4	0.7		6	8	10	12	16			7	4	3	1.5	0.86 - 1.3
<b>SVST-M5</b>	M5	0.8				10	12	16	20	25	8.5	5	4	1.5	1.5 - 2.7

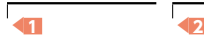
## Related Products

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