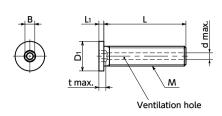
SVSHT-SD Vented Socket Head Cap Screws with Ultra Low Small Head - Titanium

◆ Vacuum → Protrusion
Cleanroom wash & packaging
Chemical-proof
Non-Magnetic
Lightweight
Small Head





Material/Finish
 SVSHT-SD
 Main Body
 TW340 (Grade 2 Titanium)



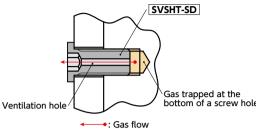
- Special low profile small head screws with ventilation holes.
- The ventilation hole easily releases gas trapped in the screw holes of equipment and machines, and supports vacuum drawing of vacuum devices.
- All head heights are 1.5 mm or less. For spacesaving of equipment/devices and applications with limited overhead space.
- Because the head diameter is small, spot facing diameters can be reduced compared to standard hex socket head cap screws with ultra low heads.
- The specific gravity is approximately 60% that of stainless steel.
- Non-magnetic.
- Excellent chemical resistance / seawater resistance.
- Special chemical polishing and brightening treatment improve the quality of the surface.
 Additionally, products have been cleanroom washed and packed. Cleanroom specification prevents oil and dirt from adhering.
- For the properties of titanium materials, see "Properties of Titanium."

Application

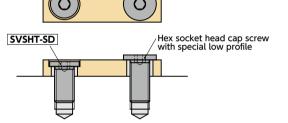
Vacuum devices / Vacuum chambers / FPD production equipment / Semiconductor manufacturing equipment / Electron microscopes

													Unit:mm
Part Number 1	M (Coarse)		_L √2				D ₁	L ₁	В		d	Mass (g)	
	Nominal of Thread	Pitch				Di	-1	Ь		u	iviass (g)		
SVSHT-M3-SD	M3	0.5	6	8	10			5	1.3	1.5	2	1.2	0.2 - 0.29
SVSHT-M4-SD	M4	0.7		8	10	12		6	1.5	2	2.5	1.5	0.44 - 0.61
SVSHT-M5-SD	M5	0.8			10	12	16	8	1.5	3	3	1.5	0.6 - 1
SVSHT-M6-SD	M6	1			10	12	16	9	1.5	3	4	2	1 - 1.6

Usage Example
 Effective with vacuum devices and vacuum
 chambers that require the exhaustion of gas
 trapped in screw holes.

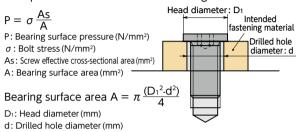


It is possible to perform spot facing and hide the head in locations where spot facing is not possible with standard hex socket head cap screws with special low profiles.



Precautions for Use

- Since the head bearing surface area is small, the bearing surface pressure increases.
- Using the following formula as a reference, ensure that the bearing surface pressure due to screw tightening does not exceed the permitted surface pressure of the intended fastening material.



 Head Diameter and Screw Effective Cross-Sectional Area

Part Number	Head Diameter (mm)	Screw Effective Cross-Sectional Area (mm²)
SVSHT-M3-SD	5	5.03
SVSHT-M4-SD	6	8.78
SVSHT-M5-SD	8	14.2
SVSHT-M6-SD	9	20.1

• Part Number Specification



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

