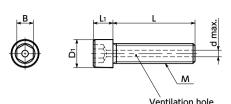
SVSS-SD Vented Socket Head Cap Screws with Small Head





 Material/Finish 							
	SVSS-SD						
Main Body	SUSXM7 (Equivalent to SUS304)						
Strength Class	A2 - 70						



- Small head screws with ventilation holes. Because the head diameter is small, spot facing diameters can be reduced compared to standard hex socket head cap screws.
- The ventilation hole easily releases gas trapped in the screw holes of equipment and machines, and supports vacuum drawing of vacuum devices.
- Ventilation holes are machined using a method with minimal effect on metallic structures. Brittle fracture and outgassing during use in vacuum environments are prevented.
- Cleanroom wash/cleanroom packing provided.
- Application

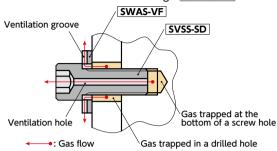
Vacuum devices / Vacuum chambers / FPD production equipment / Semiconductor manufacturing equipment / Electron microscopes

																						Unit:mm
Part Number •	M (Coarse)			L 1 2									D ₁	L1	В	d	Mass (a)		Qty per Pack			
rait Nullibel	Nominal of Thread	Pitch	-	L 2 D1 L1 B d Mass (g)									(g)	Qty per rack								
SVSS-M2-SD	M2	0.4	3	4	5	6										3	2	1.5	0.8	0.088	3 - 0.15	10
SVSS-M2.5-SD	M2.5	0.45		4	5	6	8									3.8	2.5	2	1	0.26	- 0.38	10
SVSS-M3-SD	M3	0.5			5	6	8	10	12							4.5	3	2.5	1.2	0.5	- 0.8	20
SVSS-M4-SD	M4	0.7				6	8	10	12	16	20	25				5.5	4	3	1.5	1.1	- 2.6	20
SVSS-M5-SD	M5	0.8					8	10	12	16	20	25				7	4.5	4	1.5	2.1	- 4.2	10
SVSS-M6-SD	M6	1					8	10	12	16	20	25	30			8.5	5.5	5	2	3.4	- 7.2	10
SVSS-M8-SD	M8	1.25						10	12	16	20	25	30	35		11	7.5	6	2	7.8	- 16	10
SVSS-M10-SD	M10	1.5								16	20	25	30	35	40	13.5	9.5	8	3	17	- 29	5

• When purchasing less volume than one full bag, a separate handling fee is charged. For details, see the Sold Separately Service.

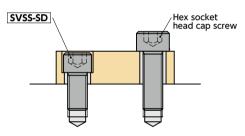
Usage Example

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



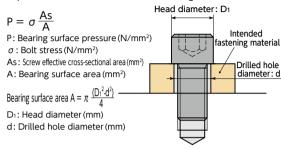
It is possible to perform spot facing and hide the head in locations where spot facing is not possible with standard hex socket head cap screws.





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)								
SVSS-M2-SD	3	2.07								
SVSS-M2.5-SD	3.8	3.39								
SVSS-M3-SD	4.5	5.03								
SVSS-M4-SD	5.5	8.78								
SVSS-M5-SD	7	14.2								
SVSS-M6-SD	8.5	20.1								
SVSS-M8-SD	11	36.6								
SVSS-M10-SD	13.5	58								

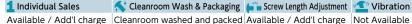
Related Products

For ventilation of drilled holes, please use **SWAS-VF**



• Part Number Specification





NBK.

🕵 Cleanroom Wash & Packaging 🕍 🥻 Screw Length Adjustment 🚅 Vibration Resistant 👫 Modification process for captive use