



● Material/Finish



	SVSI
Main Body	UNS N06600 (Inconel*1600 equiv.)

*1 : Inconel is a registered trademark of Special Metals Corporation.

● Mechanical property

	Inconel (UNS N06600)	SUS304
Tensile Strength (N/mm ²)	548 - 695	520 or More
0.2% Proof Load (N/mm ²)	205 - 352	205 or More
Elongation (%)	35 - 55	40 or More
Hardness (HRB)	65 - 85	90 or Less

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

● Physical property

	Inconel (UNS N06600)	SUS304
Specific Gravity	8.42	7.93
Longitudinal Elastic Modulus (GPa)	207	193
Specific Heat (J/kg·K)	444	500
Electric Resistance (μΩ·m)	1.0	0.7
Thermal Conductivity (W/(m·K))	16.7	17
Linear Expansion Coefficient (K ⁻¹)	13.4 × 10 ⁻⁶	17.3 × 10 ⁻⁶

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- Inconel hex socket head cap screws **[SVSI]** with ventilation hole.
- The ventilation hole easily releases gas trapped in the screw holes of equipment and machines, and supports vacuum drawing of vacuum devices.
- Excellent corrosion resistance against oxidizing and reducing organic and inorganic acids. ➔ P.xxxx
- Excellent resistance to stress corrosion cracking due to chlorine ions.
- Demonstrates almost total corrosion resistance to ammonia.
- Excellent heat resistance and creep resistance. Retains high strength even near 600°C.
- Supports use with vacuum equipment in high-temperature and corrosive environments.
- Cleanroom wash/cleanroom packing provided. ➔ P.xxxx

● Application

Vacuum devices / Vacuum chambers / FPD production equipment / Semiconductor manufacturing equipment / Electron microscopes / Printed circuit board etching devices / Metallic surface treatment equipment and facilities / Chemical plants

Unit : mm

Part Number	M (Coarse)		L								D1	L1	B	d max.	Mass (g)
	Nominal of Thread	Pitch													
SVSI-M3	M3	0.5	6	8	10	12	16	20			5.5	3	2.5	1.2	0.77 - 1.5
SVSI-M4	M4	0.7		8	10	12	16	20	25		7	4	3	1.5	1.8 - 3.4
SVSI-M5	M5	0.8			10	12	16	20	25		8.5	5	4	1.5	2.9 - 5.2
SVSI-M6	M6	1				12	16	20	25	30	10	6	5	2	5.5 - 9
SVSI-M8	M8	1.25					16	20	25	30	13	8	6	2	13 - 21

● Part number specification

SVSI-M5-16



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

Individual Sales ➔ P.xxxx	Cleanroom Wash & Packaging ➔ P.xxxx	Screw Length Adjustment ➔ P.xxxx	Vibration Resistant ➔ P.xxxx	Modification process for captive use ➔ P.xxxx
1 piece in 1 pack	Cleanroom washed and packed	Available / Add'l charge	Not Available	Please feel free to contact us