SVSA
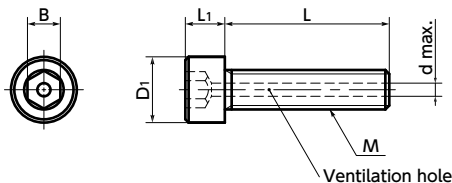
Aluminum Hex Socket Head Cap Screws with Ventilation Hole

🌱 Vacuum   💧 Cleanroom wash & packaging   🪶 Lightweight

● Material/Finish

🌱 RoHS

	SVSA
Main Body	A5056

● Mechanical property

	A5056	SUS304
Tensile Strength (N/mm^2)	294	520 or More
0.2% Proof Load (N/mm^2)	245	205 or More
Elongation (%)	12	40 or More
Hardness (HB)	98	187 or Less

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

● Physical property

	A5056	SUS304
Specific Gravity	2.64	7.93
Longitudinal Elastic Modulus (GPa)	71.7	193
Specific Heat (J/kg·K)	904	500
Electric Resistance (μΩ·m)	0.064	0.7
Thermal Conductivity (W/(m·K))	112	17
Linear Expansion Coefficient (K^{-1})	24.1×10^{-6}	17.3×10^{-6}

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

- Aluminum hex socket head cap screws **SNSA** 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.
- For fastening of aluminum alloy materials.
- The specific gravity is approximately 33% that of stainless steel. For lighter-weight devices and equipment.
- There is no electrocorrosion due to contact with aluminum alloy.
- Corrosion resistance, electrical conductivity, and thermal conductivity are excellent.
- Cleanroom wash/cleanroom packing provided. ➡ P. xxxx
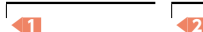
● Application

Lighter-weight devices and equipment
Vacuum devices / Vacuum chambers / FPD production equipment / Semiconductor manufacturing equipment / Electron microscopes

Unit : mm

Part Number [1]	M (Coarse)		L [2]								D$_1$	L$_1$	B	d max.	Mass (g)
	Nominal of Thread	Pitch													
SVSA-M3	M3	0.5	6	8	10	12	16	20			5.5	3	2.5	1.2	0.24 - 0.46
SVSA-M4	M4	0.7		8	10	12	16	20	25		7	4	3	1.5	0.56 - 1.1
SVSA-M5	M5	0.8			10	12	16	20	25		8.5	5	4	1.5	0.91 - 1.6
SVSA-M6	M6	1				12	16	20	25	30	10	6	5	2	1.7 - 2.8
SVSA-M8	M8	1.25					16	20	25	30	35	13	8	6	2	4.1 - 6.4

● Part number specification

SVSA-M5-16

◄1   ◄2

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

[1] 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