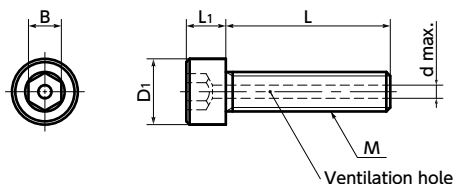




# SVSA Vented Socket Head Cap Screws - Aluminum

Vacuum Cleanroom wash & packaging Lightweight



## Material/Finish



	SVSA
Main Body	A5056

## Mechanical property

	A5056	SUS304
Tensile Strength (N/mm <sup>2</sup> )	294	520 or More
0.2% Proof Load (N/mm <sup>2</sup> )	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 <sup>-1</sup> )	24.1 × 10 <sup>-6</sup>	17.3 × 10 <sup>-6</sup>



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

- Aluminum hex socket head cap screws **SVSA** 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. xxx

## Application

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

Unit : mm

Part Number 	M (Coarse)		L 										D1	L1	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**



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

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