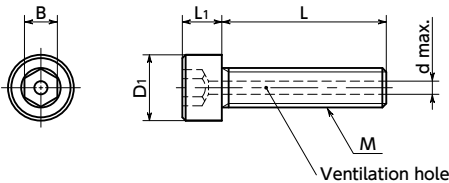


SVSLG-PC Vented High Strength Stainless Steel Socket Head Cap Screws – Specialized Chemical Polishing

SUS Stainless steel Vacuum Cleanroom wash & packaging Heat-resistance Chemical-proof Non-Magnetic High strength



Material/Finish



	SVSLG-PC
Main Body	SUS316L Special Chemical Polishing



- High strength stainless steel hex socket head cap screws.
- Made of SUS316L. It has excellent corrosion resistance.
- The proof load is approximately 1.8 times that of general stainless steel hex socket head cap screws. Therefore, smaller screw diameters and reduced quantities are available to save space and reduce weight.
- The ventilation hole easily releases gas trapped in the screw holes of equipment and machines, and supports vacuum drawing of vacuum devices.
- Special chemical polishing treatment improves the surface roughness. Outgas quantity is extremely low. Ideal for use in medium vacuum environments.
- Non-magnetic.
- Cleanroom washing/cleanroom packing provided.

Application

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

Unit : mm

Part Number 1	M (Coarse)		L 2								D1	L1	B	d max.	Mass (g)	Qty per Pack
	Nominal of Thread	Pitch	6	8	10	12	15	20	25							
SVSLG-M3-PC	M3	0.5									5.5	3	2.5	1.2	0.64 - 1.45	10
SVSLG-M4-PC	M4	0.7									7	4	3	1.5	1.4 - 2.7	10
SVSLG-M5-PC	M5	0.8								30	8.5	5	4	1.5	2.5 - 5.1	10
SVSLG-M6-PC	M6	1								30	10	6	5	2	4.7 - 7.3	10

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

Mechanical Properties

Part Number / Strength Class	Property		
	Tensile Strength (N / mm <sup>2</sup> )	0.2% Proof Load (N / mm <sup>2</sup> )	Elongation (mm)
SVSLG-PC *1]	1000	800	0.3d
A2-70/A4-70 *2	700	450	0.4d
A2-50/A4-50 *2	500	210	0.6d

\*1 : In-house specification value. Confirmed with test pieces (pre-treatment materials) from each production lot.

\*2 : Specification value from JIS B 1054 - 1:2013 (ISO 3506 - 1:2009) "Mechanical properties of corrosion-resistant stainless steel fasteners- Part 1: Bolts, screws and studs". Values in chart are for reference only. They are not guaranteed values.

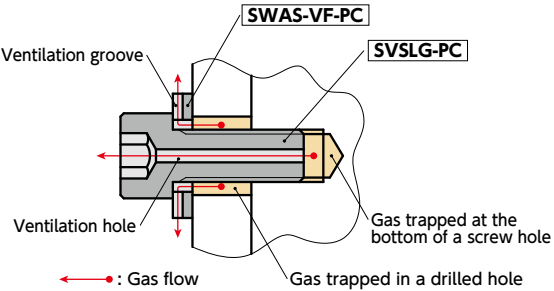
Magnetic Permeability Comparison

Part Number / Material	Magnetic Permeability
SVSLG-PC SUS316L	1.008
SNSL SUS316L	1.006
SUSXM7	1.4

Values in chart are for reference, using pre-surface treated materials, only. They are not guaranteed values.

Usage Example

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



Related Products

For ventilation of drilled holes, please use SWAS-VF-PC.



Part Number Specification

SVSLG-M4-12-PC 1 2 1

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