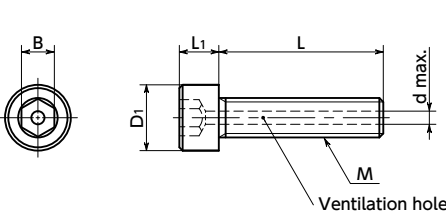


SVSLG-PN Vented High Strength Stainless Steel Socket Head Cap Screws – Surface Hardening

SUS Stainless steel Vacuum Cleanroom wash & packaging Seizing Prevention Heat-resistance High strength



Material/Finish

	SVSLG-PN
Main Body	SUS316L Surface Hardening Treatment



- High strength stainless steel hex socket head cap screws.
- 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.
- Galling and seizing are prevented by curing the screw surface.
- Unlike plating or coating, there is nothing adhering to the surface, eliminating concerns about contamination due to stripping when tightening.
- Suitable for preventing seizing in environments where lubricant cannot be used.
- For the characteristics of special surface hardening treatment, see “Advantages of Special Surface Hardened Screws”.
- Cleanroom washing/cleanroom packing provided.

Application

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



Precautions for Use

May have lower corrosion resistance than general SUS316L.

We recommend performing a test under the same usage conditions as in actual usage in advance.

Unit : mm

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

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

Mechanical Properties

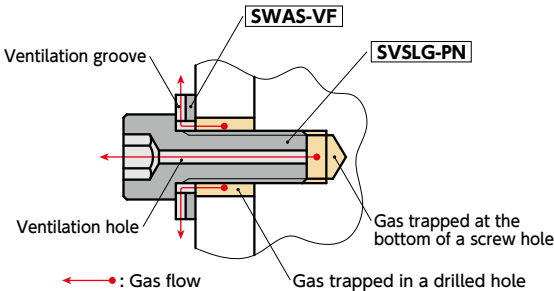
Part Number / Strength Class	Property		
	Tensile Strength (N / mm ²)	0.2% Proof Load (N / mm ²)	Elongation (mm)
SVSLG-PN*1	1000	800	0.3d
A2-70/A4-70*2	700	450	0.4d
A2-50/A4-50*2	500	210	0.6d

*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.

Usage Example

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



Related Products

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



Part Number Specification

SVSLG-M4-12-PN

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