

SNSLG-PN High Strength Stainless Steel Socket Head Cap Screws - Surface Hardening



Seizing Prevention



Heat-resistance



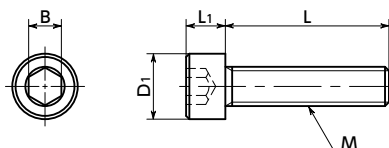
High strength



High Specific Strength



SUS Stainless steel



Material/Finish



	SNSLG-PN
Main Body	SUS316L Surface Hardening Treatment

Application

Seizing prevention

Space-saving/lightweight

FPD production equipment / Semiconductor manufacturing equipment / Equipment and device structures / General industrial machines / Medical equipment / 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.

Part Number Specification

SNSLG-M5-25-PN

1 2 1

- High intensity stainless steel hex socket head cap screws.
- Tensile strength 1000 N/mm², 0.2% proof load 800 N/mm²
- 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.
- 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.
- Complies with JIS B 1176, ISO 4762, and DIN 912. For details on shape and dimensions, please refer to the "Technical Information (JIS B 1176, ISO 4762)".
- For details on the features of the special surface hardened treatment, please refer to the "Advantages of Special Surface Hardened Screws".

Unit : mm

Part Number 1	M (Coarse)		L 2								D1	L1	B	Mass (g)
	Nominal of Thread	Pitch												
SNSLG-M3-PN	M3	0.5	6	8	10	12	15	20	25		5.5	3	2.5	0.71 - 1.6
SNSLG-M4-PN	M4	0.7		8	10	12	15	20	25		7	4	3	1.6 - 3.2
SNSLG-M5-PN	M5	0.8			10	12	15	20	25	30	8.5	5	4	2.7 - 5.6
SNSLG-M6-PN	M6	1				12	15	20	25	30	10	6	5	5.1 - 8.3

Mechanical Properties

Part Number / Strength Class	Property		
	Tensile Strength (N / mm ²)	0.2% Proof Load (N / mm ²)	Elongation (mm)
SNSLG-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 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.
- The values are for material before treatment.

Individual Sales	Cleanroom Wash & Packaging	Screw Length Adjustment	Vibration Resistant	Modification process for captive use
1 piece in 1 pack	Available / Add'l charge	Available / Add'l charge	Available / Add'l charge	Please feel free to contact us