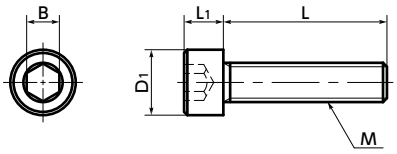
SNSLG Hex Socket Head Cap Screws - High Intensity Stainless Steel

Heat-resistance | Chemical-proof | Non-Magnetic | High strength | High Specific Strength | SUS Stainless steel



Application

FPD manufacturing devices, Semiconductor manufacturing devices, Equipment/device structures, Offshore instruments, General industrial machines

Material/Finish

RoHS

	SNSLG
Main Body	SUS316L

- High intensity stainless steel hex socket head cap screw.
- 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.
- Made of SUS316L. It has excellent corrosion resistance.
- Non-magnetic.
- Conforms to JIS B 1176, ISO 4762, and DIN 912.

Mechanical property

Part Number / Strength Class	Property		
	Tensile Strength (N / mm²)	0.2% Proof Load (N / mm²)	Elongation (mm)
SNSLG *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.

Magnetic permeability comparison

Part Number / Material	Magnetic Permeability
SNSLG SUS316L	1.008
SNSL SUS316L	1.006
SUSXM7	1.4

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

Unit : mm

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

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

Part number specification

SNSLG-M3 - 25
1 2

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
Available / Add'l charge	Available / Add'l charge	Available / Add'l charge	Available / Add'l charge	Available / Add'l charge