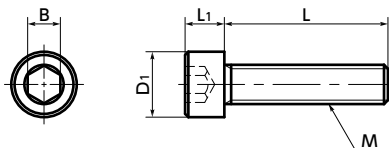




SNSM Hex Socket Head Cap Screws - Molybdenum

Cleanroom wash & packaging Heat-resistance



● Mechanical property

	Pure Molybdenum	SUS304
Tensile Strength (N/mm ²)	515	520 or Higher
0.2% Proof Stress (N/mm ²)	380	205 or Higher
Elongation (%)	15	40 or Higher

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

● Physical property

	Pure Molybdenum	SUS304
Specific Gravity	10.2	7.93
Longitudinal Elastic Modulus (GPa)	327	193
Electric Resistance ($\mu\Omega \cdot m$)	0.058	0.7
Thermal Conductivity (W/(m·K))	142	17
Linear Expansion Coefficient (K ⁻¹)	5.1×10^{-6}	17.3×10^{-6}

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

- These screws are made of pure molybdenum.
- Melting Point: 2623 deg C. Excellent heat resistance.
- Equivalent to JIS B 1176, ISO 4762, and DIN 912.

● Application

Sputtering equipment and high temperature furnaces

● Material/Finish



SNSM	
Main Body	Pure Molybdenum

⚠ Precautions for Use

Note that in an oxidizing atmosphere, sublimation will begin at 600°C or higher.

Unit : mm

Part Number 1	M (Coarse)		L 2	D1	L1	B	Tension*1 Rupture Load (N)	Mass (g)
	Nominal of Thread	Pitch						
SNSM-M3	M3	0.5	6 8 10 12 16 20	5.5	3	2.5	2760	0.93 - 1.8
SNSM-M4	M4	0.7	8 10 12 16 20 25	7	4	3	4820	2.2 - 4.1
SNSM-M5	M5	0.8	10 12 16 20 25	8.5	5	4	7810	3.5 - 6.3
SNSM-M6	M6	1	12 16 20 25 30	10	6	5	11000	6.6 - 11
SNSM-M8	M8	1.25	16 20 25 30 35	13	8	6	20100	16 - 25

*1: Values in chart are for reference only. They are not guaranteed values.

● Part number specification

SNSM-M5 - 16

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

1 Individual Sales → P.0000	Cleanroom Wash & Packaging → P.0000	Screw Length Adjustment → P.0000	Vibration Resistant → P.0000	Modification process for captive use → P.0000
1 piece in 1 pack	Cleanroom washed and packed	Available / Add'l charge	Available / Add'l charge	Available / Add'l charge