



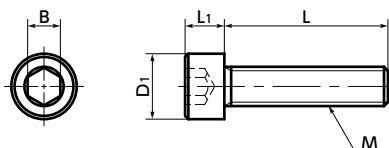
SNSM Hex Socket Head Cap Screws - Molybdenum

WEB Selection Tool

WEB CAD Download

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}

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- These screws are made of pure molybdenum.
- Melting Point: 2623 deg C. Excellent heat resistance.

● Application

Sputtering equipment and high temperature furnaces

● Material/Finish

RoHS2 Compliant

	SNSM
Main Body	Pure Molybdenum

⚠ Precautions for Use

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

Unit : mm

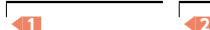
Part Number	M (Coarse)		L										D1	L1	B	Tension*1 Rupture Load (N)	Mass (g)
	Nominal of Thread	Pitch	6	8	10	12	16	20	25	30	35						
SNSM-M3	M3	0.5	6	8	10	12	16	20				5.5	3	2.5	2760	0.93 - 1.8	
SNSM-M4	M4	0.7		8	10	12	16	20	25			7	4	3	4820	2.2 - 4.1	
SNSM-M5	M5	0.8			10	12	16	20	25			8.5	5	4	7810	3.5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

● Part number specification

SNSM-M5-16



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 unit in 1 bag	Cleanroom washed and packed	Available / Add'l charge	Available / Add'l charge	Available / Add'l charge