



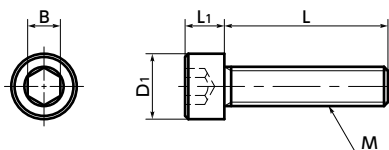
SNSM Socket Head Cap Screws - Molybdenum

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} |

● 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.

● Application

Sputtering equipment and high temperature furnaces

● Material/Finish

RoHS Compliant

| | SNSM |
|-----------|-----------------|
| Main Body | Pure Molybdenum |

Unit : mm

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



| | | | | |
|----------------------------|------------------------------------|---------------------------------|-----------------------------|--|
| 1 Individual Sales → P.794 | Cleanroom Wash & Packaging → P.792 | Screw Length Adjustment → P.796 | Vibration Resistant → P.795 | Modification process for captive use → P.791 |
| 1 unit in 1 bag | Cleanroom washed and packed | Available / Add'l charge | Available / Add'l charge | Available / Add'l charge |