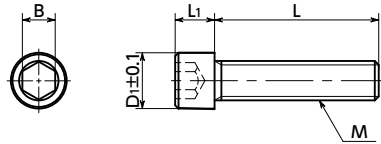


SNSS-SD-MO Socket Head Cap Screws with Small Head - MoS₂ Coating

SUS Stainless steel Protrusion Seizing Prevention Small Head



● Material/Finish



	SNSS-SD-MO
Main Body	SUSXM7 (Equivalent to SUS304) Molybdenum Disulfide Coating
Strength Class	A2 - 70

- Hex socket head cap screws with small head diameter. Able to reduce the spot facing diameters compared to standard hex socket head cap screws.
- Corrosion and abrasion resistance are excellent.
- Excellent lubrication property. Suitable for preventing seizing.

● Application

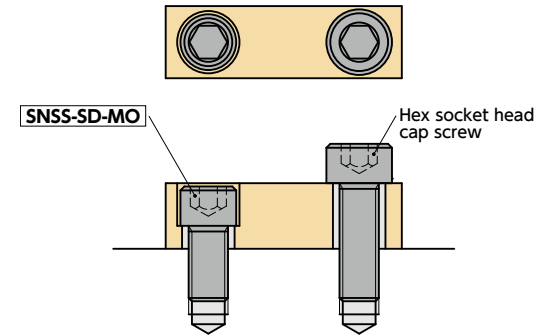
Reducing the size of equipment and devices
Seizing Prevention

Unit : mm

Part Number ◀1	M (Coarse)		L ◀2	D1	L1	B	Mass (g)
	Nominal of Thread	Pitch					
SNSS-M3-SD-MO	M3	0.5	5 6 8 10 12	4.5	3	2.5	0.5 - 0.8
SNSS-M4-SD-MO	M4	0.7	6 8 10 12 16 20 25	5.5	4	3	1.1 - 2.6
SNSS-M5-SD-MO	M5	0.8	8 10 12 16 20 25	7	4.5	4	2.1 - 4.2
SNSS-M6-SD-MO	M6	1	8 10 12 16 20 25 30	8.5	5.5	5	3.4 - 7.2
SNSS-M8-SD-MO	M8	1.25	10 12 16 20 25 30 35	11	7.5	6	7.8 - 16
SNSS-M10-SD-MO	M10	1.5	16 20 25 30 35 40	13.5	9.5	8	17 - 29

● Usage Example

It is possible to perform spot facing and hide the head in locations where spot facing is not possible with standard hex socket head cap screws.



⚠ Precautions for Use

- Since the head bearing surface area is small, the bearing surface pressure increases.
- Using the following formula as a reference, ensure that the bearing surface pressure due to screw tightening does not exceed the permitted surface pressure of the intended fastening material.

$$P = \sigma \frac{As}{A}$$

P: Bearing surface pressure (N/mm²)

σ: Bolt stress (N/mm²)

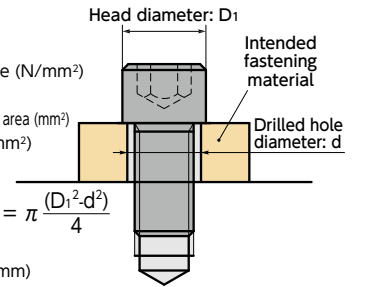
As: Screw effective cross-sectional area (mm²)

A: Bearing surface area (mm²)

$$\text{Bearing surface area } A = \pi \frac{(D_1^2 - d^2)}{4}$$

D₁: Head diameter (mm)

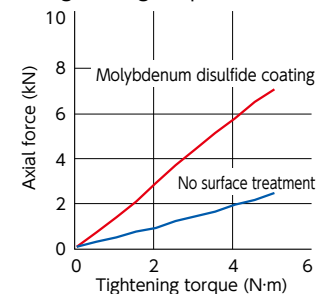
d: Drilled hole diameter (mm)



● Head Diameter and Screw Effective Cross-Sectional Area

Part Number	Head Diameter (mm)	Screw Effective Cross-Sectional Area (mm ²)
SNSS-M3-SD-MO	4.5	5.03
SNSS-M4-SD-MO	5.5	8.78
SNSS-M5-SD-MO	7	14.2
SNSS-M6-SD-MO	8.5	20.1
SNSS-M8-SD-MO	11	36.6
SNSS-M10-SD-MO	13.5	58

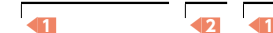
● Tightening Properties (Reference)



- Reference data for Hex Socket Head Cap Screw - Molybdenum Disulfide Coating **SNSS-M5-25-MO**.

● Part Number Specification

SNSS-M5-20-SD-MO



1 Individual Sales 1 piece in 1 pack	Cleanroom Wash & Packaging Available / Add'l charge	Screw Length Adjustment Not Available	Vibration Resistant Not Available	Modification process for captive use Not Available
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