



● 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 nuts and washers are made of pure molybdenum.

● Melting Point: 2623 deg C. Excellent heat resistance.

● Application

Sputtering equipment and high temperature furnaces

● Material/Finish



	SHNM	SWAM
Main Body	Pure Molybdenum	Pure Molybdenum



Precautions for Use

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

SHNM Hex Nuts - Molybdenum

Unit : mm

Part Number	M (Coarse)		B	T	Mass (g)
	Nominal of Thread	Pitch			
SHNM-M3	M3	0.5	5.5	2.4	0.44
SHNM-M4	M4	0.7	7	3.2	1
SHNM-M5	M5	0.8	8	4	1.6
SHNM-M6	M6	1	10	5	3.2
SHNM-M8	M8	1.25	13	6.5	7.1

SWAM-F Plain Washers - Molybdenum

Unit : mm

Part Number	Nominal	d	D	t	Mass (g)
SWAM-3-F	3	3.2	7	0.5	0.16
SWAM-4-F	4	4.3	9	0.8	0.4
SWAM-5-F	5	5.3	10	1	0.58
SWAM-6-F	6	6.4	12.5	1.6	1.5
SWAM-8-F	8	8.4	17	1.6	2.8

● Part number specification

SHNM-M5



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

Individual Sales → P. xxxxx	Cleanroom Wash & Packaging → P. xxxxx	Screw Length Adjustment → P. xxxxx	Vibration Resistant → P. xxxxx	Modification process for captive use → P. xxxxx
1 piece in 1 pack	Cleanroom washed and packed	Not Available	Not Available	Not Available