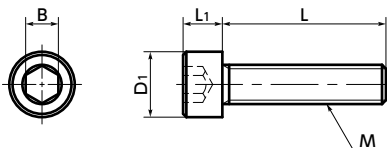


**SNSMN** Hex Socket Head Cap Screws (Monel 400 equiv.)

Cleanroom wash &amp; packaging
 Heat-resistance
 Chemical-proof



## ● Mechanical property

	UNS N04400 (Monel 400 equiv.)	SUS304
Tensile strength (N/mm <sup>2</sup> )	517 - 620	520 or above
0.2% Proof Stress (N/mm <sup>2</sup> )	172 - 345	205 or Higher
Extension (%)	35 - 60	40 or above
Hardness (HRB)	60 - 80	90 or less

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

## ● Physical property

	UNS N04400 (Monel 400 equiv.)	SUS304
Specific gravity	8.80	7.93
Longitudinal elastic modulus (GPa)	179	193
Specific heat (J/kg · K)	427	500
Electric resistivity (μΩ · m)	0.5	0.7
Heat thermal conductivity (W/(m · K))	22	17
Linear expansion coefficient (K <sup>-1</sup> )	14.2 x 10 <sup>-6</sup> (100°C)	17.3 x 10 <sup>-6</sup>

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



- A nickel-copper alloy with resistance to fluorine gas and hydrofluoric acid.
- Excellent strength compared to pure nickel or copper.
- Excellent stress corrosion cracking resistance due to chlorine ions.
- Cleanroom wash and cleanroom packing are completed.
- Equivalent to JIS B 1176, ISO 4762, and DIN 912.

## ● Application

FPD production device/Semiconductor manufacturing device/  
Chemical plant/Offshore instrument

## ● Material/Finish



	SNSMN
Main body	UNS N04400 (Monel*1 400 equiv.)

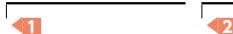
\*1 : Monel is a registered trademark of Special Metals Corporation.

Unit : mm

Part Number	M (Coarse)		L							D1	L1	B	Tension Rupture Load*1 (N)	Mass (g)
	Nominal of Thread	Pitch												
<b>SNSMN-M3</b>	M3	0.5	6	8	10	12				5.5	3	2.5	2600	0.8 - 1.1
<b>SNSMN-M4</b>	M4	0.7		8	10	12	16	20		7	4	3	4530	1.9 - 3
<b>SNSMN-M5</b>	M5	0.8			10	12	16	20	25	8.5	5	4	7340	3 - 5.4
<b>SNSMN-M6</b>	M6	1				12	16	20	25	30	10	6	10300	5.7 - 9.4

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

## ● Part number specification

**SNSMN-M5-16**

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

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