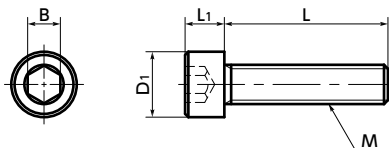




# SNSIV Hex Socket Head Cap Screws - Super Invar

Cleanroom wash & packaging



## ● Mechanical property

	Super Invar	SUS304
Tensile Strength (N/mm <sup>2</sup> )	470	520 or Higher
0.2% Proof Stress (N/mm <sup>2</sup> )	333	205 or Higher
Elongation (%)	43	40 or Higher
Hardness (HV)	143	200 or Less

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

## ● Physical property

	Super Invar	SUS304
Specific Gravity	8.15	7.93
Longitudinal Elastic Modulus (GPa)	132	193
Electric Resistance ( $\mu\Omega \cdot m$ )	0.77	0.7
Thermal Conductivity (W / (m · K))	10.47	17
Linear Expansion Coefficient (K <sup>-1</sup> )	$0.69 \times 10^{-6}$	$17.3 \times 10^{-6}$

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

- Super Invar is a special alloy with an extremely low linear expansion coefficient, and its dimensions change very little due to temperature.
- For measurement and precision instruments which do not allow changes in dimensions due to thermal expansion.
- For Prevention from loosening and damage due to differences in thermal expansion.
- Linear Expansion Coefficient:  
 $0.69 \times 10^{-6} (K^{-1})$  (30 deg C - 100 deg C)
- Equivalent to JIS B 1176, ISO 4762, and DIN 912.

## ● Application

Precision and measurement instruments

## ● Material/Finish

RoHS

	SNSIV
Main Body	Super Invar

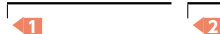
Unit : mm

Part Number 1	M (Coarse)		L 2	D1	L1	B	Tension*1 Rupture Load (N)	Mass (g)
	Nominal of Thread	Pitch						
<b>SNSIV-M3</b>	M3	0.5	6 8 10 12 16 20	5.5	3	2.5	2360	0.74 - 1.4
<b>SNSIV-M4</b>	M4	0.7	8 10 12 16 20 25	7	4	3	4120	1.7 - 3.3
<b>SNSIV-M5</b>	M5	0.8	10 12 16 20 25	8.5	5	4	6670	2.8 - 5
<b>SNSIV-M6</b>	M6	1	12 16 20 25 30	10	6	5	9440	5.3 - 8.7
<b>SNSIV-M8</b>	M8	1.25	16 20 25 30 35	13	8	6	17200	13 - 20

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

## ● Part number specification

### SNSIV-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