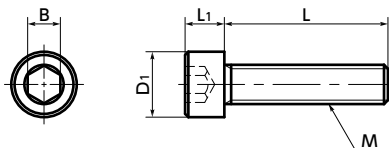




# SNSIV Hex Socket Head Cap Screws - Super Invar

WEB Selection Tool   
 WEB CAD Download   
 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)

## ● Application

Precision and measurement instruments

## ● Material/Finish

RoHS2 Compliant

	SNSIV
Main Body	Super Invar

Unit : mm

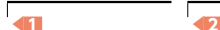
Part Number ◀1	M (Coarse)		L ▶2											D1	L1	B	Tension*1 Rupture Load (N)	Mass (g)
	Nominal of Thread	Pitch	6	8	10	12	16	20	25	30	35							
SNSIV-M3	M3	0.5												5.5	3	2.5	2360	0.74 - 1.4
SNSIV-M4	M4	0.7		8	10	12	16	20	25					7	4	3	4120	1.7 - 3.3
SNSIV-M5	M5	0.8			10	12	16	20	25					8.5	5	4	6670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

## ● Part number specification

**SNSIV-M5-16**



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 unit in 1 bag   
 Cleanroom washed and packed   
 Available / Add'l charge   
 Available / Add'l charge   
 Available / Add'l charge