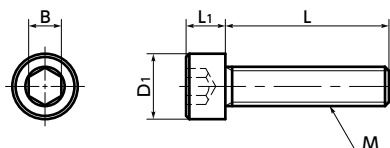




SNSIV Hex Socket Head Cap Screws - Super Invar

Cleanroom wash & packaging



● Mechanical property

	Super Invar	SUS304
Tensile Strength (N/mm ²)	470	520 or Higher
0.2% Proof Stress (N/mm ²)	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 ⁻¹)	0.69×10^{-6}	17.3×10^{-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



	SNSIV
Main Body	Super Invar

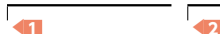
Unit : mm

Part Number 1	M (Coarse)		L 2										D1	L1	B	Tension*1 Rupture Load (N)	Mass (g)
	Nominal of Thread	Pitch															
SNSIV-M3	M3	0.5	6	8	10	12	16	20				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 specification

SNSIV-M5 - 16



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

1 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 packaged	Available / Add'l charge	Available / Add'l charge	Available / Add'l charge