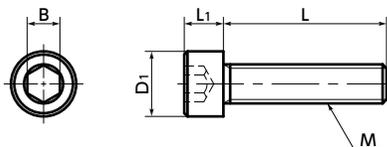




SNSJ Hex Socket Head Cap Screws - SUS310S

Cleanroom wash & packaging Heat-resistance Chemical-proof SUS Stainless steel



Mechanical property

	SUS310S
Tensile Strength (N/mm ²)	520 or Higher
0.2% Proof Stress (N/mm ²)	205 or Higher
Elongation (%)	40 or Higher
Hardness (HRB)	90 or Less

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

Physical property

	SUS310S
Specific Gravity	7.98
Heat Resistance Temperature*1 (°C)	700
Electric Resistance (μΩ · m)	0.78
Specific Heat (J/kg · K)	500
Thermal Conductivity (W / (m · K))	14
Linear Expansion Coefficient (K ⁻¹)	15.9 × 10 ⁻⁶

*1: This is the heat resistance temperature of the SUS310S material.

- Values in chart are for reference only. They are not guaranteed values.
- When heated to 700 deg C, tensile strength drops approximately 60% and proof stress drops approximately 40%.
- Make sure to carry out tests under the same condition of actual use in advance to confirm safety.

- Compared to SUS304, SUS310S has excellent heat resistance, oxidation resistance, and nitric acid resistance compared to SUS304.
- Austenitic series stainless steel with high Ni content, which is effective for corrosion resistance and high temperature characteristics.
- Cleanroom wash and cleanroom packing are completed. → P.xxxx

Application

FPD production equipment, semiconductor devices, nitric acid plants, and aquatic applications

Material/Finish



	SNSJ
Main Body	SUS310S

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	40
SNSJ-M3	M3	0.5	6	8	10	12	16	20					5.5	3	2.5	2610	0.71 - 1.4
SNSJ-M4	M4	0.7		8	10	12	16	20	25				7	4	3	4560	1.7 - 3.2
SNSJ-M5	M5	0.8			10	12	16	20	25				8.5	5	4	7380	2.7 - 4.8
SNSJ-M6	M6	1				12	16	20	25	30			10	6	5	10400	5.1 - 8.3
SNSJ-M8	M8	1.25					16	20	25	30	35		13	8	6	19000	12 - 19
SNSJ-M10	M10	1.5						20	25	30	35	40	16	10	8	30100	23 - 33

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

Part number specification

SNSJ-M5-16



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

Individual Sales → P.xxxx	Cleanroom Wash & Packaging → P.xxxx	Screw Length Adjustment → P.xxxx	Vibration Resistant → P.xxxx	Modification process for captive use → P.xxxx
1 piece in 1 pack	Cleanroom washed and packed	Available / Add'l charge	Available / Add'l charge	Available / Add'l charge