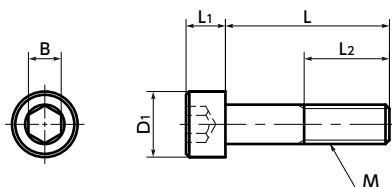




SNST Hex Socket Head Cap Screws - Titanium

Cleanroom wash & packaging Chemical-proof Non-Magnetic Lightweight



Physical property

	TW340 (Grade 2 Titanium)
Specific Gravity	4.51
Melting Point (°C)	1668
Longitudinal Elastic Modulus (GPa)	106
Thermal Conductivity (W/(m·K))	17.16
Linear Expansion Coefficient (K ⁻¹)	8.4×10^{-6}
Electric Resistance ($\mu\Omega \cdot m$)	0.55
Amplitude Permeability (μ)	1.0001 (Nonmagnetic)

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

Mechanical property

	TW340 (Grade 2 Titanium)
Tensile Strength (N/mm ²)	340 - 510
0.2% Proof Stress (N/mm ²)	215 or Higher
Elongation (%)	23 or Higher

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

- Specific gravity is approximately by 60% of stainless steel.
- Nonmagnetic.
- Excellent chemical and seawater resistance.
- About the features of titanium → P.xxxx
- Chemical polishing and brightening processing improve the screw surface. Furthermore, the screws are cleanroom washed, cleanroom packed, and comply with clean specifications that require no oil or foreign matter deposits.

SNST



Unprocessed



Application

Lightweight applications in automobiles, aircrafts, spacecrafts, and robots FPD production equipment, semiconductor devices, electrical and electronic equipment, aquatic applications, and electrochemical plating

Material/Finish

RoHS

	SNST
Main Body	TW340 (Grade 2 Titanium)

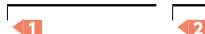
																					Unit : mm	
Part Number <div>1</div>	M (Coarse)		L <div>2</div>												D ₁ L ₁ B			L ₂ *1	Tension*2 Rupture Load (N)	Torsional*2 Torque (N·m)	Mass (g)	
	Nominal of Thread	Pitch																				
SNST-M3	M3	0.5	5	6	8	10	12	16	20						5.5	3	2.5	Full Thread	3210	1.5	0.38 - 0.77	
SNST-M4	M4	0.7			8	10	12	16	20	25	30				7	4	3	20(L=30)	5610	3.4	0.94 - 2.1	
SNST-M5	M5	0.8				10	12	16	20	25	30	35			8.5	5	4	22(L≥30)	9080	7.1	1.5 - 3.6	
SNST-M6	M6	1				10	12	16	20	25	30	35	40	45	50	10	6	5	24(L≥35)	12800	12	2.7 - 7.5

*1: If the "L" value is not in parentheses, the screw is full thread.

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

Part number specification

SNST-M5-20



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