e-nedzi.com®

Special Screws

Vacuum | Application

Low Profile, | High | Titanium | Special | Chemical | Special Surface | Miniature | Captive/ | Functional | Inch | Tamper | Hexalobular | Plugs | Plastic | Washers/
Small Head | Performance S.S. | | Material | Resistance | Treatment | | Full Thread | | | Resistance | Socket Head | | | Lock Nuts
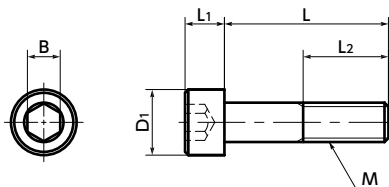
SNST Socket Head Cap Screws - Titanium

WEB Selection Tool   WEB CAD Download   Cleanroom wash & packaging   Chemical-proof   Non-Magnetic   Lightweight

● Physical property

	TB340C (Grade 2 Titanium)
Specific Gravity	4.51
Melting Point (℃)	1668
Longitudinal Elastic Modulus (GPa)	106
Thermal Conductivity (W/(m·K))	17.16
Linear Expansion Coefficient (K^{-1})	$8.4×10^{-6}$
Electric Resistance (μΩ·m)	0.55
Amplitude Permeability (μ)	1.0001 (Nonmagnetic)

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

● Mechanical property

	TB340C (Grade 2 Titanium)
Tensile Strength (N/mm²)	340 - 510
0.2% Proof Stress (N/mm²)	215 or Higher
Elongation (%)	23 or Higher

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

● Part number specification

SNST-M5 - 20
　　　1　　　2

● Specific gravity is approximately by 60% of stainless steel.

● Nonmagnetic.

● Excellent chemical and seawater resistance.

● About the features of titanium ➡ P.625

● 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 Compliant

	SNST
Main Body	TB340C (Grade 2 Titanium)

Unit : mm

Part Number 1	M	L 2												D₁	L₁	B	L₂*1	Tension*2 Rupture Load (N)	Torsional*2 Torque (N·m)	Mass (g)
SNST-M3	M3	5	6	8	10	12	16	20						5.5	3	2.5	Full Thread	3210	1.5	0.38 - 0.77
SNST-M4	M4			8	10	12	16	20	25	30				7	4	3	20 (L=30)	5610	3.4	0.94 - 2.1
SNST-M5	M5				10	12	16	20	25	30	35			8.5	5	4	22 (L≧30)	9080	7.1	1.5 - 3.6
SNST-M6	M6				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	Qty per pack
SNST-M3	1
SNST-M4	1
SNST-M5	1
SNST-M6	1

1 Individual Sales ➡ P.794	Cleanroom Wash & Packaging ➡ P.792	Screw Length Adjustment ➡ P.796	Vibration Resistant ➡ P.795	Modification process for captive use ➡ P.791
1 unit in 1 bag	Cleanroom washed and packed	Available / Add'l charge	Available / Add'l charge	Available / Add'l charge