

SNZT Titanium Pan Head Machine Screws for Precision Instruments (Miniature Screws)



WEB Selection Tool

WEB CAD Download

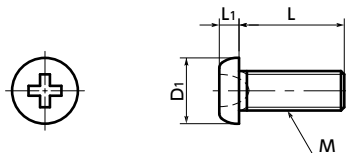
Cleanroom wash & packaging

Chemical-proof

Non-Magnetic

Lightweight

Miniature Size



Physical property

	TW270 (Grade 1 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 (μΩ·m)	0.55
Amplitude Permeability (μ)	1.0001 (Nonmagnetic)

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

Mechanical property

	TW270 (Grade 1 Titanium)
Tensile Strength (N/mm ²)	270 - 410
0.2% Proof Stress (N/mm ²)	165 or More
Elongation (%)	27 or More

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

- M1.6-M2.5. Pure titanium miniature screws for precision instruments.
- The specific gravity is approximately 60% that of stainless steel.
- Non-magnetic.
- Excellent chemical resistance / seawater resistance.
- Refer to → P.xxxx for details about the characteristics of titanium.
- Removes the dirt that follows manufacturing, leaving a glossy finish. Additionally, products have been cleanroom washed and packed. Clean specification prevents oil and dirt from adhering.

SNZT

Unprocessed



Application

Installation of FPD Manufacturing Equipment / Semiconductor Manufacturing Equipment / Electrical and Electronic Devices / Magnetic Sensors

Material/Finish

RoHS2 Compliant

	SNZT
Main Body	TW270 (Grade 1 Titanium)

Unit : mm

Part Number	M (Coarse)		L	D1	L1	Maximum Tightening Torque (N·m)	Mass (g)
	Nominal of Thread	Pitch					
SNZT-M1.6	M1.6	0.35	3 4 5 6	2.3	0.5	0.07	0.023 - 0.037
SNZT-M2	M2	0.4	3 4 5 6	3	0.6	0.14	0.041 - 0.065
SNZT-M2.5	M2.5	0.45	4 5 6 8	3.8	0.8	0.29	0.096 - 0.16

Part Number	Qty*1 per pack
SNZT-M1.6	10
SNZT-M2	10
SNZT-M2.5	10

*1 : Also sold separately from 1 piece up. → P.xxxx

Part number specification

SNZT-M2 - 4



Order in number of packs.
The minimum order is 1 piece. → P.xxxx

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
Available / Add'l charge	Cleanroom washed and packed	Not Available	Available / Add'l charge	Not Available