NITTOSEIKO

NITTOSEIKO' S SPECIAL FASTENER FOR SHORT ENGAGEMENT PLASTIC FASTENING.

PS-TITE® Ⅱ

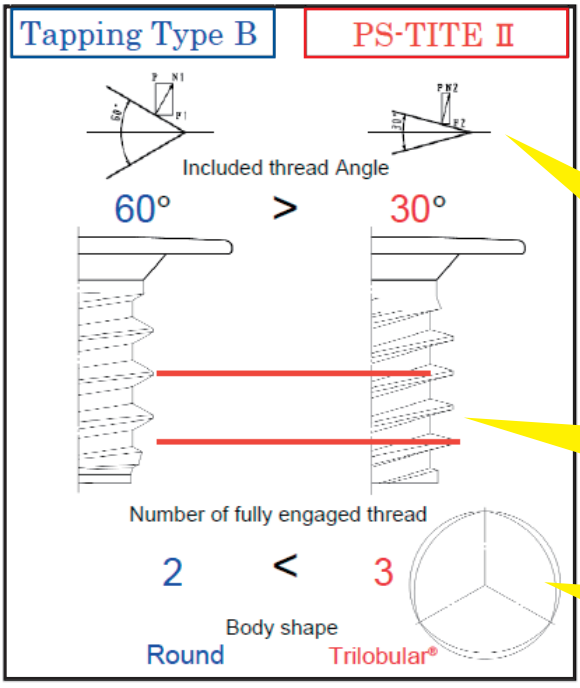
Outline of PS-TITE®-Ⅱ

PS-TITE®-Ⅱ, specially designed for short engagement plastic fastening application can support weight saving, high workability and miniaturization for many digital equipment.

Problem of Ordinary Self-tapping screw(tapping type 2)

- 60° of thread angle will impart lager load to engagement plastic workpiece.
- Ordinary tapping screw can bring out the occurrence of stripped screw because it has less engagement thread pitches.

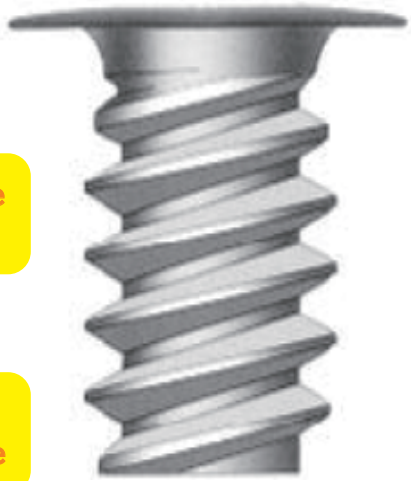
Solution by PS-TITE®Ⅱ



30° of sharp thread angle
Less stress on plastic

Short pitch of a screw
High tightening torque

Trilobular body
Low installation torque



New enhanced performance of PS-TITE®Ⅱ

- 30° of sharp thread angle prevents crack of plastic workpiece.
- The short pitch of a screw prevents the occurrence of loosening.
- Low installation torque and high tightening torque improve on fastening short engagement plastic workpiece without failure.
- Combination with LAMIX® head highten stripping torque.

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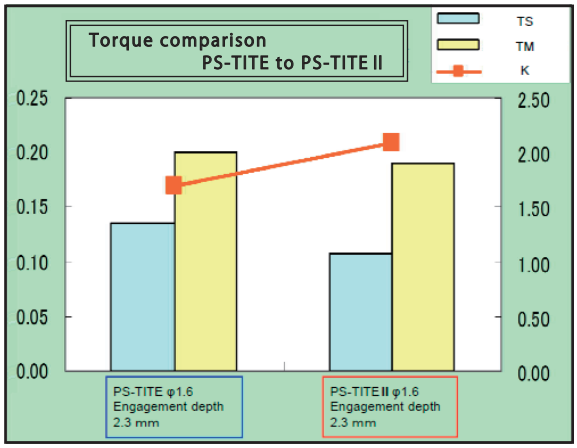
PS-TITE® II

Performance of PS-TITE® II

<Comparison PS-TITE with PS-TITEII at same lenght of engagement.>

● Testing condition
1. Work piece : PC/ABS(Pilot hole by drilling)
2. Liner : Plain washer
3. Fastening speed : 300 rpm

※ TS : Installation torque
TM : Stripping torque
K : Drive-to-strip torque ratio
(=TM min./TS max.)



【Unit : N·m】

	Pilot hole Dia. φ1.35		
	TS	TM	K
PS-TITE φ1.6 Engagement depth 2.3mm	0.129	0.220	1.70
PS-TITE II φ1.6 Engagement depth 2.3mm	0.099	0.207	2.09

● Lower installation torque ➡ EASY INSTALLATION

● Higher Drive to strip torque ratio ➡ EASY TIGHTENING

Dimension table

【Unit : mm】

Nominal Dia.(d)	Pitch	Major diameter				(Ref.) Pilot hole dia.
		C		D		
M1.4	0.35	1.48	1.56	1.42	1.5	1.21
M1.6	0.4	1.68	1.76	1.62	1.7	1.37
M1.7	0.4	1.78	1.86	1.72	1.8	1.47
M2.0	0.45	2.08	2.15	2.04	2.11	1.74

Nominal Dia.(d)	Thread length	1.8	2	2.2	2.5	3	3.5	4	4.5	5
	Tolerance	0 −0.2				0 −0.3				
M1.4		O	O	O	O	O	O	O	O	O
M1.6				O	O	O	O	O	O	O
M1.7				O	O	O	O	O	O	O
M2.0						O	O	O	O	O

・Thread end shall be plain sheared end.
・Incomplete thread length shall be less than2 pitches.
・Not indicated length to be inquired.
・Specification of head to be referred our precision screw catalog.

Application

● Car navigation system
● Handheld terminal
● Mobile phone
● Digital video camera
etc.

NITTOSEIKO CO.,LTD.

Fastener Division
Global Sales Section
URL: https://global.nittoseiko.global/

[Website] [Inquiry Form]

IATF16949 JP18/063026
ISO9001 JP17/062866
ISO14001 E0954
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