

PS-TITE® II

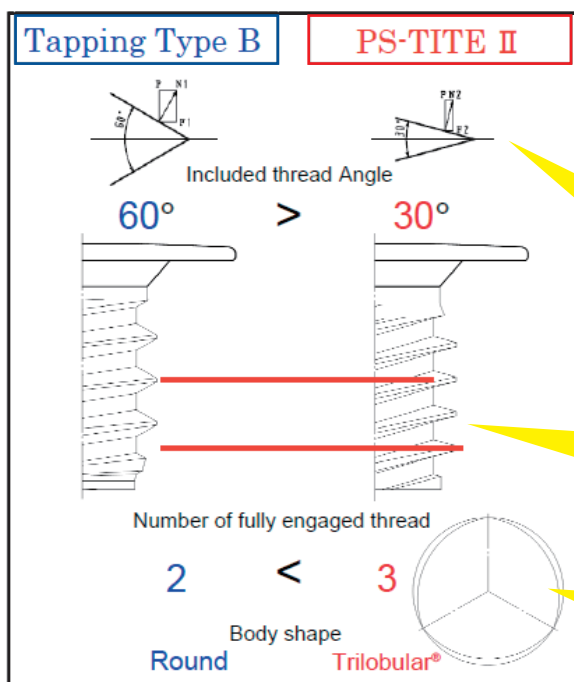
Outline of PS-TITE®-II

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 larger 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 heighten stripping torque.

PS-TITE® II

Performance of PS-TITE® II

<Comparison PS-TITE with PS-TITE II at same length of engagement.>

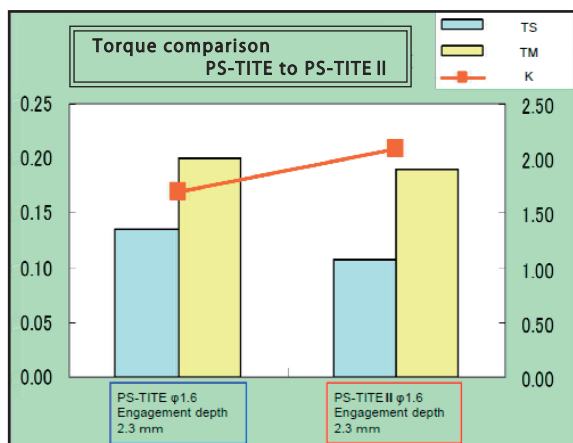
● **Testing condition**

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		

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

- Thread end shall be plain sheared end.
- Incomplete thread length shall be less than 2 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.

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