



SOFTLOK™

【Outline】

SOFTLOK is a Nylon coated self-locking screw. Elasticity of nylon heightens friction between screw and nut and perform extremely high loose proof effect.



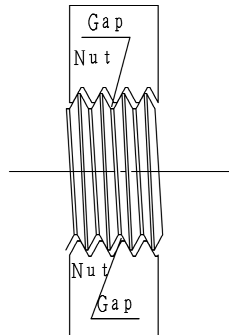
【Special features】

1. It is hard to loose by temperature variation, vibration and impact shock.
2. Loose-proof effect can be carried on even in repeated use.
3. It also has sealing effect.
4. All-round coating is effective for anti-galling at installation.

【Problem of Ordinary screw】

~ Screw loosening ~

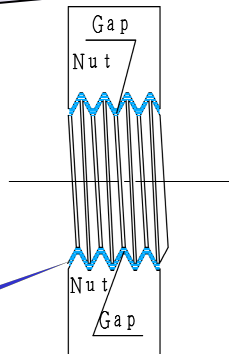
Gap between male thread female thread will be a cause of friction depressing when they are given external pressure like vibration, shock etc. This depressing leads screw loosening.



Solution by SOFTLOK

~ Strong locking effect ~

Nylon coating on thread fills in the gap and prevent screw loosening.



SOFTLOK

【Character of coating】

- ★Max. allowable temp. ~130°C
- ★Low temp. stability ◎
- ★Wear resistance ◎
- ★Crashworthy ◎
- ★Adhesion ◎
- ★Alkaliproof ◎
- ★Oil resistance ◎

【Application】

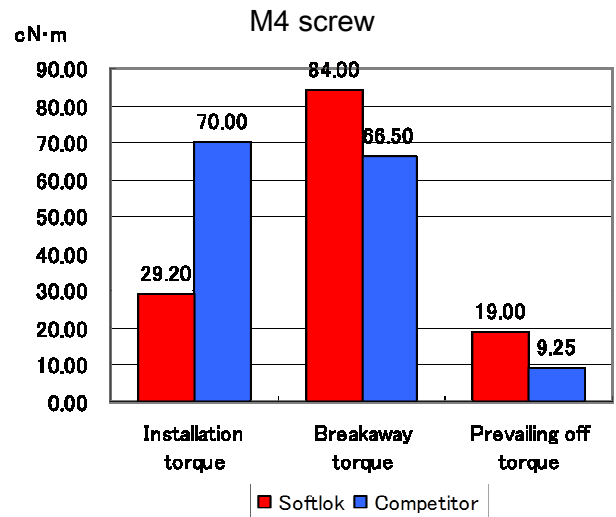
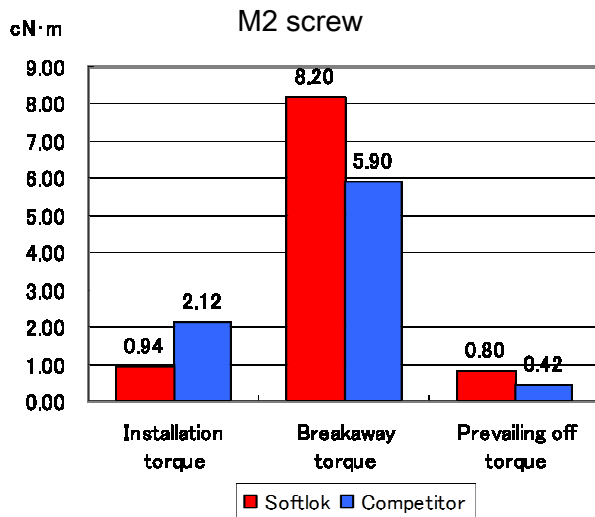
- Car navigation system
- Handheld terminal
- Mobile phone
- Digital video camera

[Loose-proof performance]

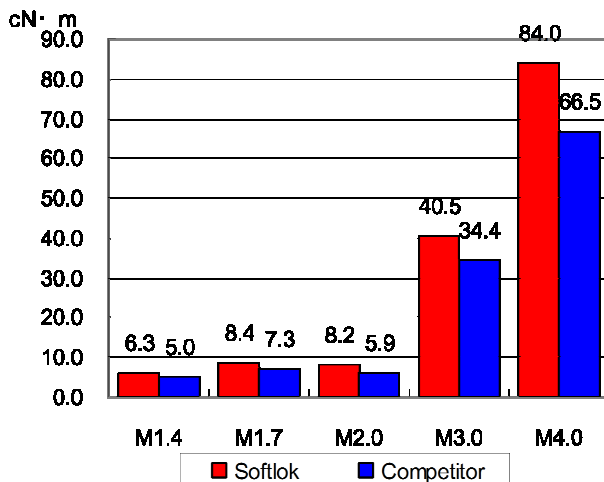
<Comparison with Competing product>

Valuation method : Heat Aging (Tighten — Aging [-25°C(1H), 60°C(1H), room temp.(1H)] — Remove)

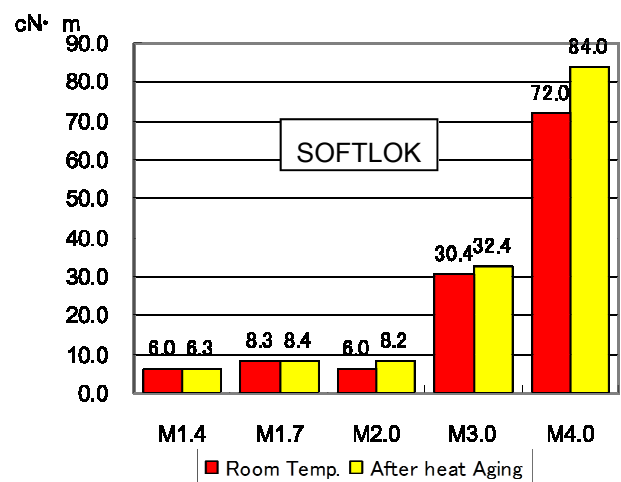
1. General Torque performance



2. Breakaway Torque after heat aging



3. Comparison of breakaway Torque



Test condition

1. Work piece : SS41 (Tapped)
2. Screws
A) Nitto Seiko SOFTLOK
B) Competing product : Spray painted nylon

3. Method

Tighten screws by indicated tightening torque at room temperature and give heat shock. When remove them after that, measured prevailing torque and residual torque.

Above mentioned data is just test result. and not guaranteed figure.

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