

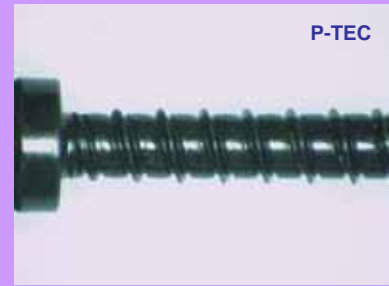
Tapping screw for non-plastic materials

" P-TEC "

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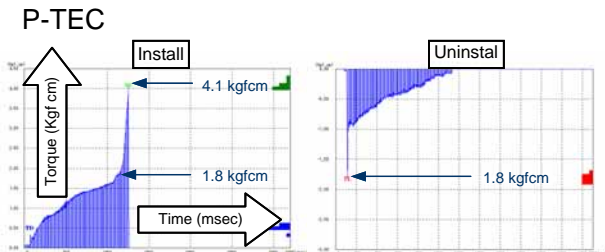
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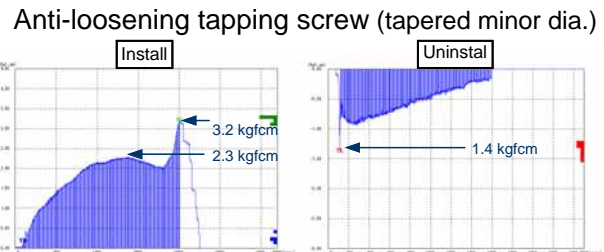
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 M0.8 AND OVER

- Suitable for non-plastic materials such as resin, aluminum, and magnesium alloy
- Anti-loosening characteristic
- Vertically drives/settles into mating holes for more reliable assembly
- Reduce the fall out of cutting chips from fastening operation
- Increased surface hardness by use of newly developed material "TDL-3"

Installation / uninstalation torque

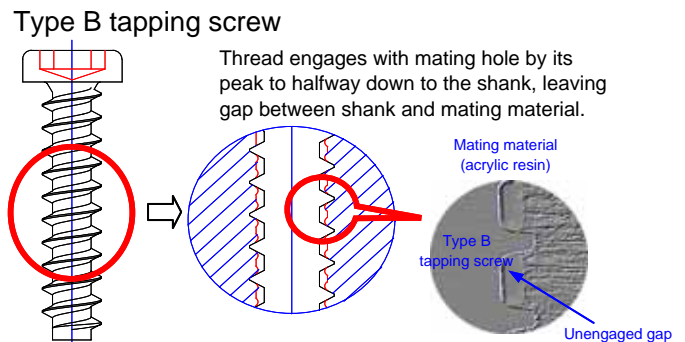
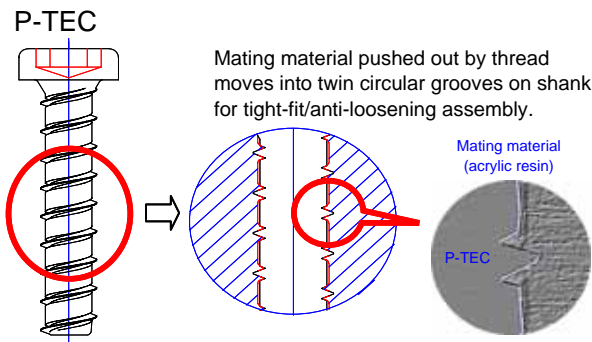


Compared to widely used anti-loosening tapping screw on right, P-TEC shows lower driving torque while achieving similar uninstalation torque. The installation time can also be reduced.



High driving torque makes it unsuitable for manual installation. With power drivers, it requires severer control on tightening torque in order to avoid thread stripping while installation. Longer installation time required.

Unique thread profile for firm fit



Higher surface hardness (Hv500/600)

"TDL-3" (patent pending), the newly developed steel material for micro screws, and a specialized heat treatment process can bring up the surface hardness to **Hv500/600**. (Conventional low carbon steel would only achieve Hv450 max.)

- Possible benefits are :
- Reduce thread galling while installation.
 - Increase thread resistance against hard mating material such as resin with high glass fiber contents.
 - Increase torque resistance by 20/30%.
 - Increase reliability of ever thinner head of micro screws.

P-TEC can be manufactured with conventional low carbon steel upon request.

Recess and head styles in variety



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