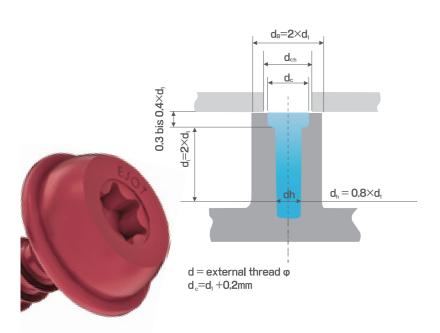
Recommended Boss Design







d₁= Screw Dia

d₈= Boss External Dia

d= Counterbore Dia

dh= Hole Dia(Screw Dia × 0.8)

d≔ Insertion depth

It offers less damage to plastics and higher clamp load.

DELTA PT®

Self Tapping Screw for Thermoplastics

HIOS PAT. SCREW

HIOS PAT. Screw has variations of patents for design and trademark including its structure, punch dies and bits at home and abroad. HIOS PAT.screw is developed with high function, durability, and efficiency of work. It reduces screw tightening error and offers highly reliable fastening and "Stable Quality Control"



© Features

- Prevention of Cam out phenomenon
- © Excellent fit with driver bits
- O Less thrust required
- Improvement in durability of driver bits
- Reduction in worker's fatique
- Perfect match with automatic screw fastening machines Improvement in quality control and
- productivity











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HIOS TOYO PRECISION SCREWCO.,LTD.

Room8-1,11/F,.Favor Industrial Centre,2-6 Kin Hong Street,



DELTA PT®, the best self tapping screw for plastics, was designed based on characteristic of plastics.



Waht's DELTA PT?

Comparison

Differences!

Thread shape

The specially-designed flank geometry goes into material sharply and guarantees damage-free flow of material.

Thread Angle: 20°
Minor Dia of External Thread: Deep

(A)Flank*: Bigger

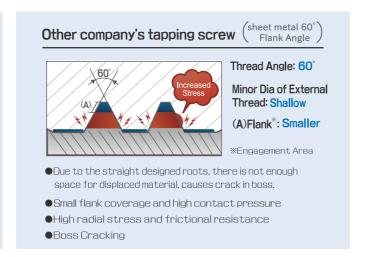
*Engagement Area

Displaced material is accommodated entirely into the specially designed root.

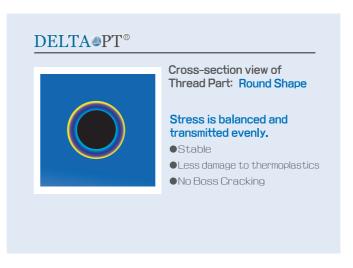
High flank coverage and minor contact pressure

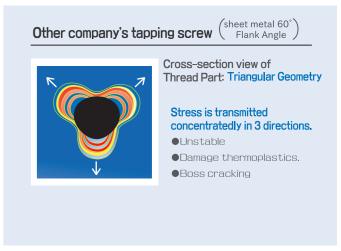
Less radial stress and frictional resistance

Damage free material forming



Stress transmission It offers stable quality control in screw tightening.





Comparison in boss It creates optimum screw hole and remain high clamp load.

DELTA PT®

No Boss

No Met

Thinner

Materia



Repeat assembly Due to less damage to plastics, it can be tightened repeatedly.



