



I-Beams: Original T-A®

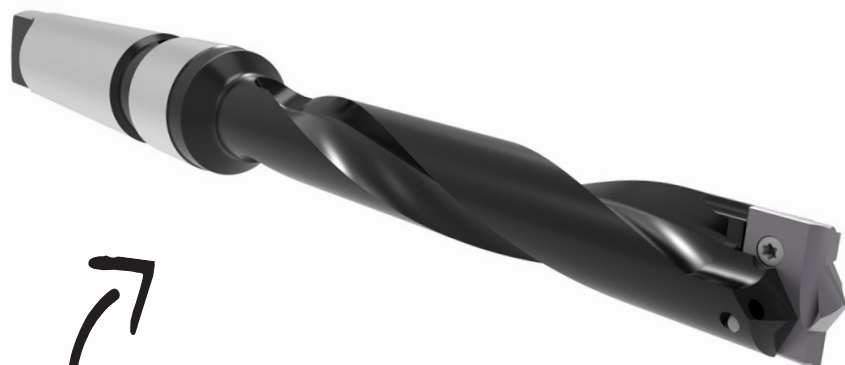
The customer needs to drill holes in I-beams made from A36 structural steel. They just purchased a new Peddinghaus PCD 1100 Beam Drill Line.

The customer needed to reduce costs by decreasing the tool failure. Also, the machine operator was unhappy with the long stringy chips produced by the Nachi drills.

The **Original T-A** structural steel drill provided excellent chip formation (tightly curled 6's and 9's). More importantly, the drill eliminated the tool breakage issue.

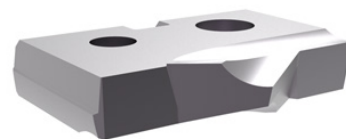


		Measure	Competitor	Original T-A®
Product:	Original T-A®			
Objectives:	(1) Decrease tool failure (2) Improve chip formation	RPM	700	516
Industry:	Structural steel/fabricator	Feed Rate	0.007 IPR (0.178 mm/rev)	0.009 IPR (0.229 mm/rev)
Part:	I-beams	Penetration Rate	4.9 IPM (124.46 mm/min)	4.65 IPM (118.11 mm/min)
Material:	Structural steel	Tool failure?	Yes	No
Hole Depth:	0.75" (19.05 mm)			



*eliminated
tool failure*

► Original T-A
Holder: 24020H-004IS100
Insert: 152A-0106-SS



The Original T-A provided:

- ✓ Improved chip formation
- ✓ Eliminated tool breakage