

I-Beams: Original T-A®

The customer drills I-beams made from A36 structural steel using a Ficep structural beam drilling machine center with mist coolant.

In need of improvements, the customer requested a solution that would provide more tool life from the drill inserts.

The **Original T-A** structural steel drill easily met the customer's goal.



Product: Original T-A® Objective: Increase tool life Industry: Structural steel/fabricator Part: I-beams Material: A36 Structural steel Hole Ø: 0.875" (22.225 mm) Hole Depth: 0.4375" (11.113 mm)	Measure	Competitor	Original T-A®
	RPM	650	440
	Feed Rate	0.010 IPR (0.254 mm/rev)	0.010 IPR (0.254 mm/rev)
	Penetration Rate	6.5 IPM (165.1 mm/min)	4.4 IPM (111.76 mm/min)
	Tool Life	20 holes	1500 holes
	The T-A offered 89.11% cost per hole savings over the competitor tooling.		

► Original T-A
Holder: 25010H-004IS052
Insert: 151A-0028-TW



75x tool life increase

The Original T-A provided:

- ✓ Increased tool life
- ✓ Decreased cost per hole