



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.



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



75x tool life increase

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



The Original T-A provided:

- ✓ Increased tool life
- ✓ Decreased cost per hole

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