T-A PRO® DRILL

Need more from your tooling?

Just because the tooling gets the job done doesn't mean it is the best tool for the job. Our customer who machines standing valves for the oil and gas industry was previously using tooling that left them with an undesirable surface finish.

Looking to improve their finish, the customer tested Allied's ***T-A Pro Drill***. Using the "X" high-speed steel geometry insert–designed to provide increased penetration rates and tool life–they were able to significantly improve hole finish while doubling throughput.

When running the T-A Pro, our customer was able to run at a higher penetration rate without compromising performance. While still delivering equal tool life, they decreased cycle time and cut the cost per hole by almost 42%.

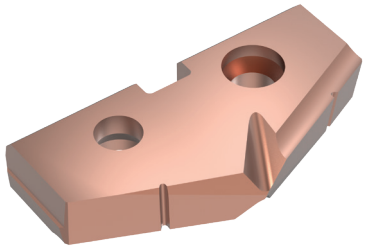
The success of the T-A Pro in this application is just another example of why the T-A Pro is more than your typical spade drill.

If you are feeling unsatisfied with the results you are receiving from your tooling, ***give us a call and we will help you find the right solution.***

Product: T-A Pro Drill
Objective: Increase tool performance
Industry: Oil & gas/petrochemical
Part: Standing valve
Material: 4140
Hole Ø: 1.000" *(25.4 mm)*
Hole Depth: 9.84" *(250 mm)*

Measure	Competitor Drill	T-A Pro Drill
Speed Rate	130 SFM *(39.624 M/min)*	180 SFM *(54.864 M/min)*
Feed Rate	0.007 IPR *(0.178 mm/rev)*	0.01 IPR *(0.254 mm/rev)*
Penetration Rate	3.48 IPM *(88.392 mm/min)*	6.88 IPM *(174.752 mm/min)*
Total Part Cycle Time	2 min 49 sec	1 min 26 sec
Tool Life	800" *(20.32M)*	800" *(20.32M)*
T-A Pro offered *41.97%* cost per hole savings over the competitor tooling.		

- T-A Pro Holder
  Item No. HTA2A10-32FM
- T-A Pro Insert
  X geometry (high-speed steel)
  Item No. TAX2-25.40



The AM200 coated T-A Pro insert provided:

- ✓ Increased penetration rate
- ✓ Decreased cycle time
- ✓ Decreased cost per hole