The Gift that Keeps Giving.

Not everything in life has to be a give and take. Our customer who machines fluid end frac blocks was previously having to reduce cutting parameters to achieve good chip formation and produce a successful part.

Needing better chip formation with a reduced cycle time, the customer tested Allied's T-A Pro drill. Using the "M" ISO-specific stainless steel insert geometry-developed for improved chip formation while minimizing exit burr-they were able to increase their speed and feed while maintaining ideal chip formation.

On top of the reduced cycle time, the T-A Pro had an increased tool life lowering the cost per hole by 58.82%. The success of the T-A Pro in this application is just another example of why the T-A Pro is more than just a good drill.

If you are looking for a solution that just keeps giving, give us a call, and we will help you find the right solution.

Product: T-A Pro drill Objective: Reduce cycle time Industry: Oil & gas/ Petrochemical Fluid end frac block Part: 15-5 PH Stainless Steel Material: Hole Ø: 1.75" (44.45 mm) 20.00" (508.00 mm) Hole Depth: +/- 0.005" (0.127 mm) Tolerance: Required Surface 125 Ra μin (3.2 μm)

Finish:

Measure	Competitor Drill	T-A Pro Drill
RPM	480	545
Speed	220 SFM (67.06 m/min)	250 SFM (76.20 m/min)
Feed Rate	0.005 IPR (0.13 mm/rev)	0.008 IPR (0.20 mm/rev)
Penetration Rate	2.4 IPM (60.96 mm/min)	4.4 IPM (111.76 mm/min)
Total Part Cycle Time	500 sec	272 sec
Tool Life	30 holes	60 holes
T-A Pro offered 58.82% cost per hole savings over the competitor tooling.		

