



Well worth the switch.

Looking for consistent and reduced lead times as well as lower cost per hole, our customer was looking for a new tooling solution for machining wellheads in Inconel® 718 for the oil and gas industry.

The **T-A Pro drill** and ISO-specific **"M" geometry insert**, designed for all stainless steels and heat-resistant superalloys, proved to be the solution they were looking for. With decreased cost per hole and decreased cycle time in addition to a reliable lead time, our customer was pleased with the process improvements they experienced with T-A Pro.

If you're looking to change up the cutting tool solutions in your machines, **contact our experts to improve your applications.** It'll be well worth it.

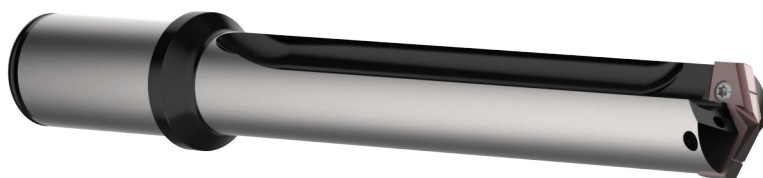
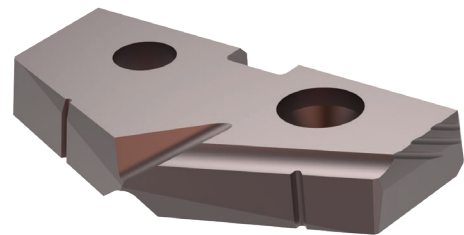


		Measure	Competitor Drill	T-A Pro Drill
Product:	T-A Pro drill			
Objective:	(1) Consistent & reduced lead times (2) Decrease cost per hole	RPM	229	244
Industry:	Oil & gas/petrochemical	Speed	75 SFM (22.86 m/min)	80 SFM (24.38 m/min)
Part:	Wellhead	Feed Rate	0.0030 IPR (0.08 mm/rev)	0.0040 IPR (0.10 mm/rev)
Material:	Inconel 718	Penetration Rate	0.69 IPM (17.5 mm/min)	0.98 IPM (24.9 mm/min)
Hole Ø:	1.2500" (31.75 mm)	Cycle Time	9 min 57 sec	7 min 9 sec
Hole Depth:	6.5000" (165.10 mm)	Tool Life	6 holes	4 holes
Tolerance:	+/- 0.0100" (0.25 mm)	T-A Pro offered 19% cost per hole savings over the competitor tooling.		

▶ T-A Pro holder, 5xD
Item No. HTA2D05-125F

▶ T-A Pro insert
M geometry (stainless steel)
Item No. TAM2-31.75

28%
cycle time decrease



The AM460 coated T-A Pro insert for use in stainless steels and HRSAs provided:

- ✓ Consistent, faster lead times
- ✓ Decreased cycle time
- ✓ Decreased cost per hole