



Investing in reliability.

Reliable tooling and reliable field support equals a reliable process. Using a mix of high-speed steel twist drills and various spade blades with limited success, our customer was looking for a reliable solution to drill a straight hole when machining HSK100A tool holder blanks in 4330 steel.

Wanting to stop scrapping parts and struggling with complete failures, the customer tested the **T-A Pro drill**. With the ISO-specific “P” geometry insert, ideal for improved tool life in steel applications, they were able to establish process reliability and drill straighter holes. On top of improving reliability, the T-A Pro significantly improved tool life.

Reliability isn’t just what we do; it’s who we are. **Let us help you find the cutting tool solutions for your application.**



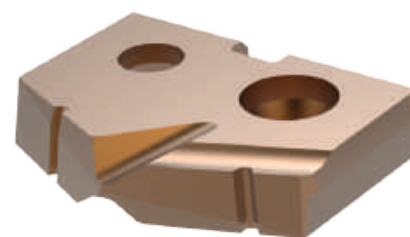
		Measure	Competitor Drill	T-A Pro Drill
Product:	T-A Pro drill	RPM	917	764
Objective:	Reliability	Speed	120 SFM (36.58 m/min)	100 SFM (30.48 m/min)
Industry:	General Machining	Feed Rate	0.0060 IPR (0.15 mm/rev)	0.0050 IPR (0.13 mm/rev)
Part:	HSK100A tool holder blank	Penetration Rate	5.50 IPM (139.7 mm/min)	3.82 IPM (97.0 mm/min)
Material:	4330 Steel	Total Part Cycle Time	1 min 27 sec	2 min 6 sec
Hole Ø:	0.500" (12.70 mm)	Tool Life	4 holes	25 holes
Hole Depth:	8.000" (203.20 mm)			
Tolerance:	+/- 0.008" (0.20 mm)			

▶ T-A Pro holder
Item No. HTA0A05-075F

▶ T-A Pro holder
Item No. HTA0A15-075F

▶ T-A Pro insert
P geometry (steel)
Item No. TAP0-12.70

525%
tool life increase



The AM300 coated T-A Pro insert for use in steel provided:

- ✓ Process reliability
- ✓ Straighter holes
- ✓ Increased tool life