



T-Joint: AccuThread 856

A machine shop is producing parts for local valve and pipe fitting companies. They use a Daewoo turning center with external flush coolant. The part being machined is an 11.5 NPTF T-joint made out of ductile iron.

The customer had problems with their tooling and production process. There were major quality issues with chipping the tap, and the original process required hand-threading to ensure quality. Their threads were not sealing to specifications and therefore the end-user rejected numerous parts due to leakage.

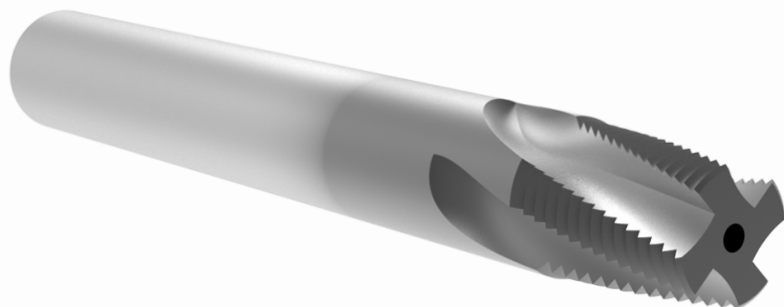
These quality issues created a need to expedite 350 parts. The customer contacted Allied Machine to help improve the unproductive situation.

The **AccuThread 856** achieved the customer's needs.



		Competitor	AccuThread 856
Product:	AccuThread 856 Solid Carbide	<ul style="list-style-type: none">• Major quality issues with chipping the tap• Required hand-threading to ensure quality• Threads were not sealing to specifications• End user rejected numerous parts due to leakage	<ul style="list-style-type: none">• Eliminated the counter bore diameter core drill operation• Reduced operations from 4 to 2• Eliminated all scrap• Experienced little wear and maintained specifications
Objectives:	Improve quality and process		
Industry:	Oil & gas/petrochemical		
Part:	T-joint		
Material:	Ductile iron		

▶ AccuThread 856
Item No. TMNK1000-NPTF



The AccuThread 856 Solid Carbide provided:

- ✓ Higher quality holes
- ✓ Decreased required tooling
- ✓ Decreased cycle time