



Compressor Pumps: Opening Drill®

The customer manufactures petroleum compressor pumps from Cast Iron (220 Bhn). They are using a 40 HP lathe with 50 PSI (3.447 bar) through tool coolant.

The customer needed a more efficient method of running this process, and they asked Allied for a solution.

The **Opening Drill®** delivered impressive chip formation.



Product: Opening Drill® Objective: Improve process Industry: Oil & gas/petrochemical Part: Petro compressor pumps Material: Cast iron Hole Ø: 3.25" (82.55 mm) Hole Depth: 4.50" (114.3 mm)	Measure	Competitor Boring Bar	Opening Drill®
	Number of Passes	400	509
Cycle Time	30 parts	30 parts	



▶ Opening Drill®
Holder: OP4-1S-SS2.0

86% cycle time decrease

The Opening Drill® provided:

- ✓ Decreased cycle time
- ✓ Decreased number of passes
- ✓ Excellent chip formation

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