

FIELD ANALYSIS REPORT

THIS REPORT MUST BE COMPLETELY FILLED OUT



HOUGEN MANUFACTURING, INC.

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_____ DRILLING APPLICATION

DATE: _____ SUBMITTED BY: _____

AGENT / DISTRIBUTOR	Distributor Name: _____ Contact – Name – Title: _____ Telephone: () _____ Fax: () _____ Distributor Email: _____ Hougen Rep.: _____ Telephone: () _____		
END USER	Company Name: _____ Contact – Name – Title: _____ Company Address: _____ End User Telephone: () _____ Fax: () _____ End User Email: _____		
USE	Estimated Holes Per Year: _____ Estimated Order Quantity: _____ (Min. 3 piece order Required)		
APPLICATION	MATERIAL	THRU HOLE	GROOVE
	Type: _____ Grade: _____ Hardness: Rc: _____ Bhn: _____ Thickness: _____ (List all plate thicknesses, etc.) Condition: _____ (Painted, Rust, etc.)	Hole Diameter: _____ Hole Tolerance: _____ Finish Required: _____	Outer Diameter: _____ Inner Diameter: _____ Tolerance: Outer _____ Inner _____
	Note: Average Finish Produced By Cutter is Approximately = 125 Ra Tolerance and finish varies due to rigidity of machine, speeds/feeds, etc.		
PLEASE CHECK ALL THAT APPLY AND PROVIDE ANY ADDITIONAL INFORMATION			
Stack Cut: _____ (If checked list total thickness) _____ Interrupted Cut: _____ Angled Entry: _____ (If checked note Angle) _____° Curved Surface (Pipe, Tubing, etc.): _____			
MACHINE	Machine Make and Model: _____ Tool Holder Style & Size (Morse Taper #, Cat #, NMTB, Etc.) _____ Vertical Machine: _____ Horizontal Machine: _____ Feed Rates Available: _____ Please attach horsepower curve. If horsepower curve is not available provide HORSEPOWER @ specific low and high rpm's: HORSEPOWER _____ @ low rpm HORSEPOWER _____ @ High rpm RPM Range Available: _____ Spindle Accuracy in .000" _____		

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COOLANT	Thru Tool (preferred): _____ Thru Spindle: _____ Flood: _____ Other: _____ Constant Pressure: _____ PSI Volume: _____ GPM Type (Oil, Water Soluble, etc.): _____
CURRENT CONDITIONS	Tool: _____ Feed Rate: _____ RPM: _____ Cycle Time: _____ Tool Life: _____ Current Problems: _____
SUCCESS CRITERIA	What is the minimum success criteria required for the user to change to our tooling? Increase in Feed Rate To: _____ Increase in Tool Life To: _____ Improve Finish To: _____ Decrease in Cycle Time To: _____ Additional Comments: _____ _____

**PLEASE PROVIDE ALL AVAILABLE SUPPLEMENTARY DATA, INCLUDING:
DRAWINGS, SKETCHES, PICTURES, ETC.**

SKETCH AREA