



Application Qualification Form

End User: _____ Date: _____

Salesman: _____

***All Typhoon applications require approval prior to testing, quoting, or sale. Please provide the information requested below and submit for approval. Once your application has been qualified, arrangements will be made to provide you with a demo unit for testing. An Ingersoll Field Sales representative is required to be present for testing of all Typhoon spindles.*

Machine Spindle Type: _____

Current Machine RPM: _____

Coolant Pressure: _____

(NOTE: 290 PSI REQUIRED) PLEASE NOTE OPTIMAL SETTING FOR APPLICATION

Coolant Flow Rate: _____

(NOTE: MIN 3.17 G/min REQUIRED)

Coolant Filtration Level: _____ **(NOTE: 100 μm REQUIRED)**

Adjustment of coolant pump pressure is available?: YES NO

Application Type: _____

Tool Shank Diameter: _____ **(NOTE: 7MM MAXIMUM)**

Tool Cutting Edge Diameter: _____

(REFER TO RANGE CHART BELOW; MAX 3.5MM DIA RECOMMENDED / 4.0MM MAX FOR HPC UNIT)

Application DOC: _____

Application WOC: _____

Current SFM: _____

Current FPT: _____

Material: _____

Current IPM: _____

Typhoon Spindle Operating Data		Model: Green Jet	
Operating range of coolant pressure		290 - 580 psi	20 - 40 bar
Operating range of coolant flow		2.6 - 5.3 gal/min	10 - 20 L/min
Rotational spindle speed [Krpm]		35 - 55	
Optimum cutting tool diameter	Drilling	0.020" - 0.079"	0.5 - 2.0mm
	Milling	0.060" - 0.138"	1.5 - 3.5mm
Maximum Tool Shank Diameter		0.276"	7.0mm

Typhoon Spindle Operating Data		Model: HPC	
Operating range of coolant pressure		580 - 1020 psi	40 - 70 bar
Operating range of coolant flow		4.23 - 5.81 gal/min	16 - 22 L/min
Rotational spindle speed [Krpm]		25 - 45	
Optimum cutting tool diameter	Drilling	0.020" - 0.118"	0.5 - 3.0mm
	Milling	0.039" - 0.158"	1.0 - 4.0mm
Maximum Tool Shank Diameter		0.276"	7.0mm

**Coolant pressure is measured from the spindle inlet; Rotational speed is based on coolant pressure and flow rate; Spindle speed may vary up to 7%*