**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: Minimum 217 PSI Required. Please note the optimal coolant pressure setting for the application.)*  

### Coolant Flow Rate: ____________________________  
*(NOTE: Minimum 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 Dia.: ____________________________  
*(Refer to Range Chart Below)*  

### Application DOC:  

### Application WOC:  

### Current SFM:  

### Current FPT:  

### Material:  

### Current IPM:  

### Typhoon Spindle Operating Data  

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating range of coolant pressure</td>
<td>290 - 580 psi</td>
<td>20 - 40 bar</td>
<td></td>
<td></td>
<td></td>
<td>Drilling</td>
<td>0.0039&quot; - 0.079&quot;</td>
<td>0.10 - 2.0mm</td>
<td></td>
</tr>
<tr>
<td>Operating range of coolant flow</td>
<td>2.6 - 5.3 gal/min</td>
<td>10 - 20 L/min</td>
<td></td>
<td></td>
<td></td>
<td>Milling</td>
<td>0.0118&quot; - 0.158&quot;</td>
<td>0.30 - 4.0mm</td>
<td></td>
</tr>
<tr>
<td>Rotational spindle speed [Krpm]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>35 - 55</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Typhoon Spindle Operating Data  

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating range of coolant pressure</td>
<td>217 - 1020 psi</td>
<td>15 - 70 bar</td>
<td></td>
<td></td>
<td></td>
<td>Drilling</td>
<td>0.0118&quot; - 0.079&quot;</td>
<td>0.30 - 2.0mm</td>
<td></td>
</tr>
<tr>
<td>Operating range of coolant flow</td>
<td>2.6 - 5.81 gal/min</td>
<td>10 - 22 L/min</td>
<td></td>
<td></td>
<td></td>
<td>Milling</td>
<td>0.0118&quot; - 0.158&quot;</td>
<td>0.30 - 4.0mm</td>
<td></td>
</tr>
<tr>
<td>Rotational spindle speed [Krpm]</td>
<td>25 - 45</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>25 - 45</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*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%*

Return completed form to TAE@ingersoll-imc.com for review & approval.  

MAN-025 (03/21)