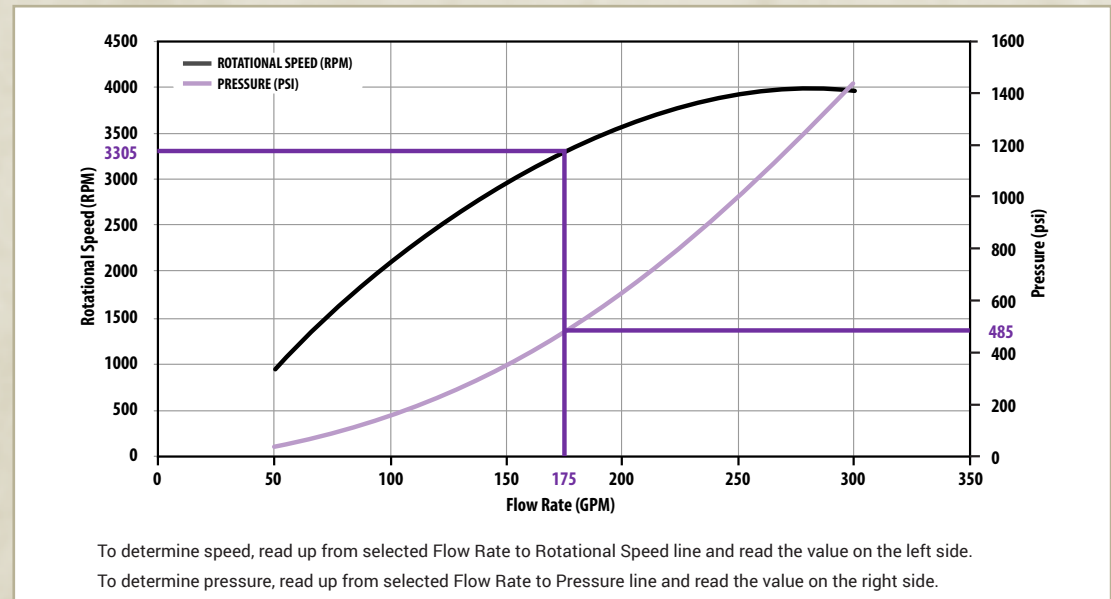


**DEPLOY**  
**HIGH SPEED REAMING TOOL**  
**FASTER. FARTHER. SMARTER.**

**HSRT - 4.50"**



	Imperial	Metric
Overall Length <sup>1</sup>	39.50 in	1003 mm
Maximum Tool Body Diameter	5.800 in	147 mm
Blade / Nominal Diameter <sup>2</sup>	5.800 in	147 mm
Maximum Temperature <sup>3</sup>	302°F	150°C
Maximum On-Bottom Bearing Load <sup>4</sup>	63900 lbf	28424 daN
Maximum Off-Bottom Bearing Load <sup>4</sup>	44400 lbf	19750 daN
Maximum Overpull <sup>5</sup>	131300 lbf	58405 daN
Nose Total Flow Area	3.215 in <sup>2</sup>	2074 mm <sup>2</sup>
Minimum Internal Port Size <sup>6</sup>	0.10 in	2.5 mm
Burst Pressure	6820 psi	47.0 MPa
Collapse Pressure	6820 psi	47.0 MPa
Maximum Drillout <sup>7</sup>	3.930 in	100 mm
Peak Power <sup>7</sup>	28 HP	21 kW
Top Connection	Blank, VAM, BTC, LTC, or other	
Top Sub Options	Burst Disc available	
Top Sub Length	10.880 in	277 mm
Minimum Recommended Hole Size	6.00 in	153 mm



Operational specifications are for reference only. Actual tool performance may vary depending on a variety of downhole conditions. Performance data is subject to change without notice.



<sup>1</sup> - Overall length does not include length of additional top sub required for casing connection.  
<sup>2</sup> - Minimum clearance of 0.25 inches is recommended between blade nominal diameter and hole diameter. Additional blade / gauge configurations are available upon request.  
<sup>3</sup> - Specified ratings are not applicable at temperatures exceeding this value. Contact IFES for ratings at elevated temperatures.  
<sup>4</sup> - Specified load ratings are based upon onset of bearing damage.  
<sup>5</sup> - Specified load rating is based upon tool separation.  
<sup>6</sup> - Using LCM particles larger than specified minimum internal port size is not recommended and may cause tool plug-off.  
<sup>7</sup> - Maximum drillout is based upon tool internal geometry and may be additionally limited by Top Sub casing connection.  
<sup>8</sup> - Peak power is dependent on a variety of operational parameters and true performance may vary based on downhole conditions.



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