

**DESIGN**

**Tool Attributes**

Odometer Channels	2
Odometer Resolution	500 times a second sampling
Data Storage	Flash Data Storage, expandable
Inertial Mapping	GIS/GPS Mapping & Geospatial Reporting

DATA SETS (# Sensors)		OPERATIONAL	
Caliper	24	Max. Pressure	1875 psi (12928 kPa)
Gyros	3	Temp. Range	32 to 170 °F (0 to 77 °C)
Accelerometers	3	Velocity	≈ 0.1 to 10 mph (0.04 to 4.0 m/s)
		Required Differential Pressure	5 to 20 psi (34 to 138 kPa)

PIPELINE GEOMETRY REQUIREMENTS	in (mm)
Minimum Local Bore	25% of pipe O.D.
Min. Bend Radius	1.5D
Min. Bend Separation	Capable of back to back bends

IMU SPECIFICATIONS @ 3 to 8 mph (1.3 to 3.6 m/s)		DIMENSIONS	
	<b>Gyros</b>		<b>TOOL RANGE</b>
Latitude	±1 m, 1 σ	Length	61.59 in (1565 mm)
Longitude	±1 m, 1 σ	Weight	920.88 lb (418 kg)
Elevation	±1 m, 1 σ	* Run Time	163 hours
	<b>Accelerometers</b>		
	Additional information available upon request		

**REPORTING** in (mm)

**Dent/Ovality Sizing**

Dent Depth Sizing	± 0.5% of Pipe O.D.
Dent Length Sizing	± 10% of Pipe O.D.
Ovality Depth Sizing	± 0.5% of Pipe O.D.

**Bend Measurement**

Angle Accuracy	± 2 degrees
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**Location Accuracy**

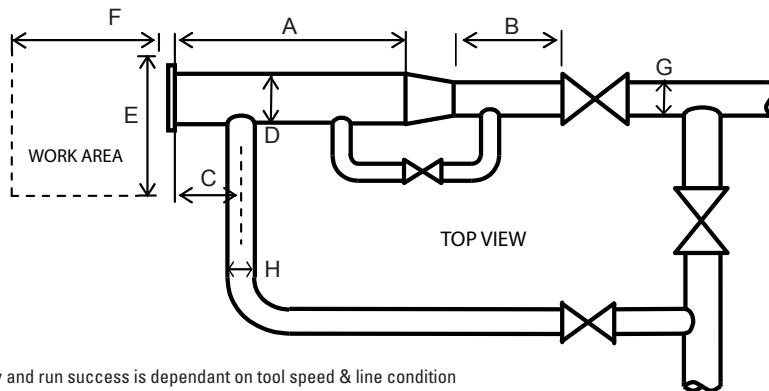
Feature to Upstream Girth Weld	± 1.00 (25)
Feature to Upstream Marker	± 60.00 (1524)
Feature Orientation	± 15 degrees

**Axial Sampling**

1.5 inches (depending on line condition, tool speed, and line length).

**Notes:**

SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)								
Traps	A	B	C	D	E	F	G	H
Launcher	74 (1880)	31 (787)	18 (457)	36 (914)	82 (2083)	134 (3404)	34 (864)	10 (254)
Receiver	74 (1880)	74 (1880)	18 (457)	36 (914)	82 (2083)	134 (3404)	34 (864)	10 (254)



**Notes:**

- Data quality and run success is dependant on tool speed & line condition
- Pipelines that are outside of the scope of these specifications can be assessed on an individual basis; please contact Enduro.
- Tool design may vary from image above.

\* Increased run time available with additional battery packs

Data is subject to change without notice | 34" DdL 0002-4B-25998 Rev. 5  
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**34 inch**

