

## 42 inch DW- Technical Specifications

### DESIGN

#### Tool Attributes

Odometer Channels	2
Odometer Resolution	0.100 in (2.54 mm)
Data Storage	Flash Data Storage, expandable
Inertial Mapping	GIS/GPS Mapping & Geospatial Reporting

### DATA SETS (# Sensors) OPERATIONAL

Caliper	42	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 4.5 m/s)
		Required Differential Pressure	5 to 20 psi (34 to 138 kPa)

### IMU SPECIFICATIONS @ 3 to 8 mph (1.3 to 3.6 m/s) DIMENSIONS

	<b>Gyros</b>	<b>Accelerometers</b>	Length	73 in (1854 mm)
Latitude	±1 m, 1 σ	Additional information available upon request	Weight	1424 lb (646 kg)
Longitude	±1 m, 1 σ		<b>TOOL RANGE @ 3 mph (1.3 m/s)</b>	
Elevation	±1 m, 1 σ		* Run Time	113 hours

### PIPELINE GEOMETRY REQUIREMENTS

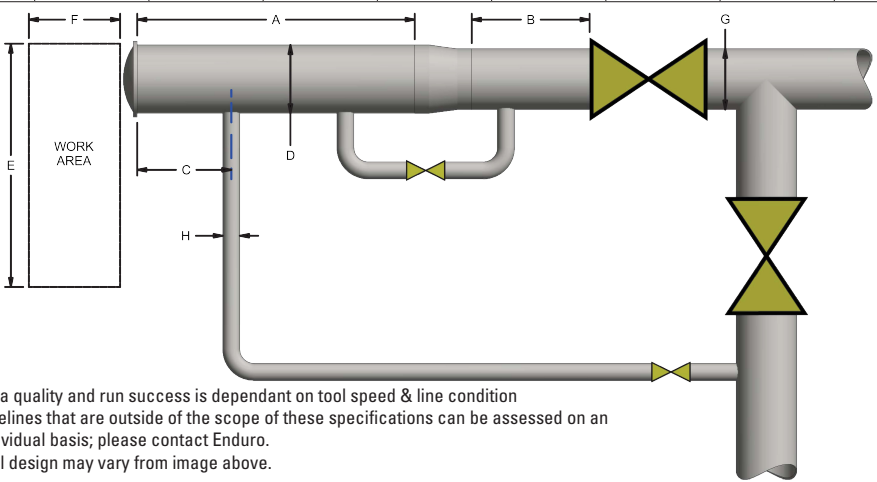
Minimum Local Bore	25% of pipe O.D.
Min. Bend Radius	1.5D
Min. Bend Separation	Capable of back to back bends

### REPORTING in (mm)

<b>Dent/Ovality Sizing</b>	
Dent Depth Sizing	± 0.5% of Pipe O.D.
Dent Length Sizing	±10% of pipe O.D.
Ovality Depth Sizing	± 1% of Pipe O.D.

### SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)

Traps	A	B	C	D	E	F	G	H
Launcher	85 (2159)	36 (914)	18 (457)	44 (1118)	90 (2286)	145 (3683)	42 (1067)	12 (305)
Receiver	85 (2159)	85 (2159)	18 (457)	44 (1118)	90 (2286)	145 (3683)	42 (1067)	12 (305)



#### 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

**42 inch**

<b>Bend Measurement</b>	
Angle Accuracy	± 2 degrees
<b>Location Accuracy</b>	
Feature to Upstream Girth Weld	± 1.00 (25)
Feature to Upstream Marker	± 60.00 (1524)
Feature Orientation	± 15 degrees

#### Notes

