

48 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	48	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)

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

IMU SPECIFICATIONS @ 3 to 8 mph (1.3 to 3.6 m/s)		DIMENSIONS	
		Length	82 in (2083 mm)
		Weight	1738 lb (788 kg)
Gyros	Accelerometers	TOOL RANGE @ 3 mph (1.3 m/s)	
Latitude	±1 m, 1 σ	* Run Time	110 hours
Longitude	±1 m, 1 σ		
Elevation	±1 m, 1 σ		
	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	± 1% of Pipe O.D.

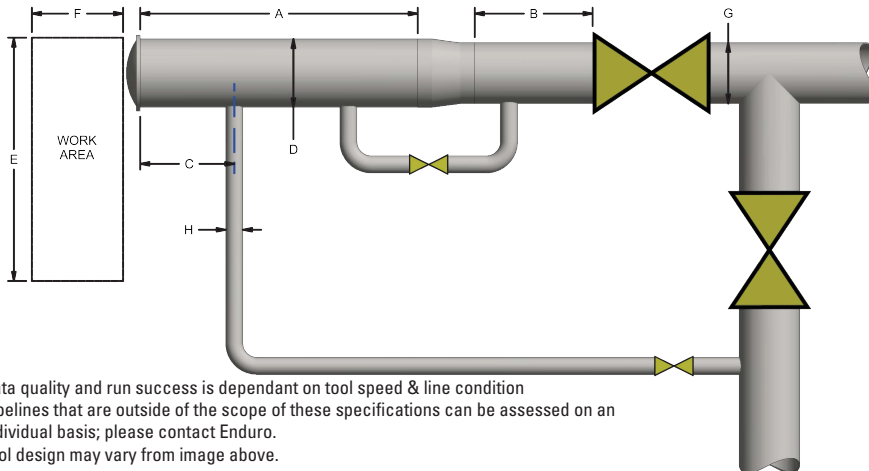
Bend Measurement

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

SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)								
Traps	A	B	C	D	E	F	G	H
Launcher	94 (2388)	41 (1041)	18 (457)	50 (1270)	96 (2438)	154 (3912)	48 (1219)	12 (305)
Receiver	94 (2388)	94 (2388)	18 (457)	50 (1270)	96 (2438)	154 (3912)	48 (1219)	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

Data is subject to change without notice | 48" DdL 0002-4B-26129 Rev 6 - 0002-19-24168 Rev 3

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