

48 inch - Technical Specifications

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)

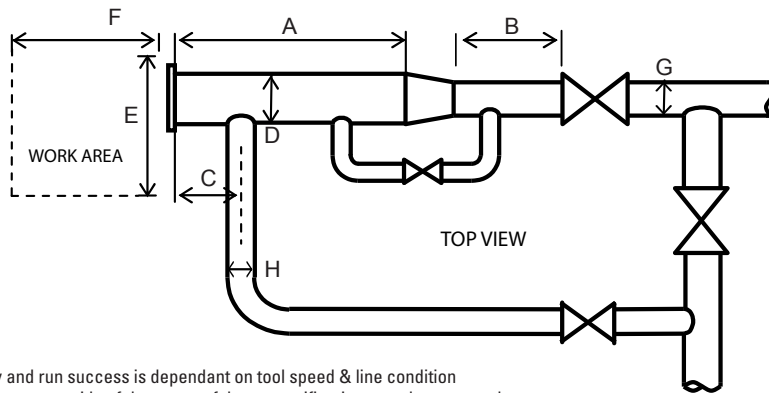
PIPELINE GEOMETRY REQUIREMENTS	in (mm)
Minimum Local Bore	25% of pipe O.D.
Min. Bend Radius	1.5D
Min. Bend Separation	Capable of back to back bends

IMU SPECIFICATIONS @ 3 to 8 mph (1.3 to 3.6 m/s)		DIMENSIONS	
Gyros	Accelerometers	Length	74.43 in (1891 mm)
Latitude	±1 m, 1 σ	Weight	1731.52 lb (785 kg)
Longitude	±1 m, 1 σ	TOOL RANGE	
Elevation	±1 m, 1 σ	* Run Time	163 hours
	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
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).	

SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)								
Traps	A	B	C	D	E	F	G	H
Launcher	86 (2184)	37 (940)	18 (457)	50 (1270)	96 (2438)	146 (3708)	48 (1219)	12 (305)
Receiver	86 (2184)	86 (2184)	18 (457)	50 (1270)	96 (2438)	146 (3708)	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-18147 Rev. 5
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