

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	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 4.5 m/s)
		Required Differential Pressure	5 to 25 psi (34 to 172 kPa)

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

	Gyros	Accelerometers	Length	46 in (1168 mm)
Latitude	±1 m, 1 σ	Additional information available upon request	Weight	388 lb(176 kg)
Longitude	±1 m, 1 σ		TOOL RANGE @ 3 mph (1.3 m/s)	
Elevation	±1 m, 1 σ		* Run Time	120 hours

PIPELINE GEOMETRY REQUIREMENTS

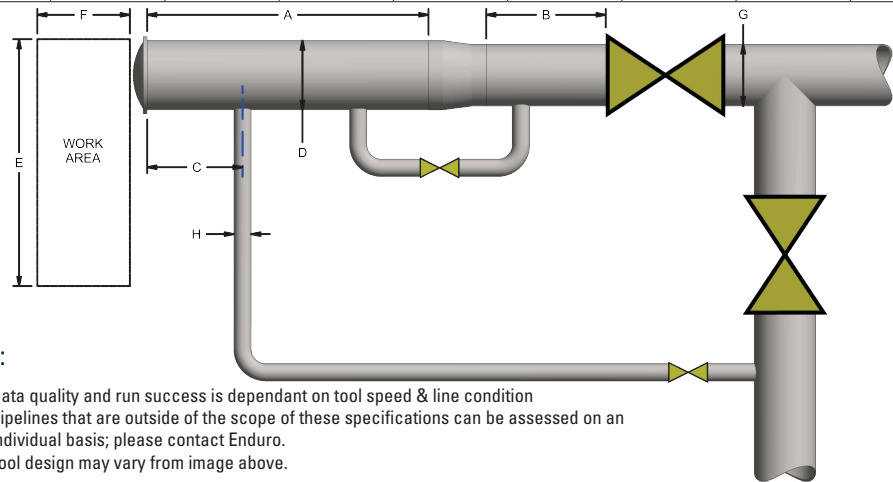
Minimum Local Bore	25% of pipe O.D.
Min. Bend Radius	1.5D
Min. Bend Separation	Capable of back to back bends

REPORTING in (mm)

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.

SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)

Traps	A	B	C	D	E	F	G	H
Launcher	57 (1448)	23 (584)	18 (457)	26 (660)	72 (1829)	117 (2972)	24 (610)	6 (152)
Receiver	57 (1448)	57 (1448)	18 (457)	26 (660)	72 (1829)	117 (2972)	24 (610)	6 (152)



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 | 24" DdL 0002-4B-26126 Rev 6 - 0002-19-21283 Rev 3

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

Notes

24 inch

