

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 25 psi (34 to 172 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

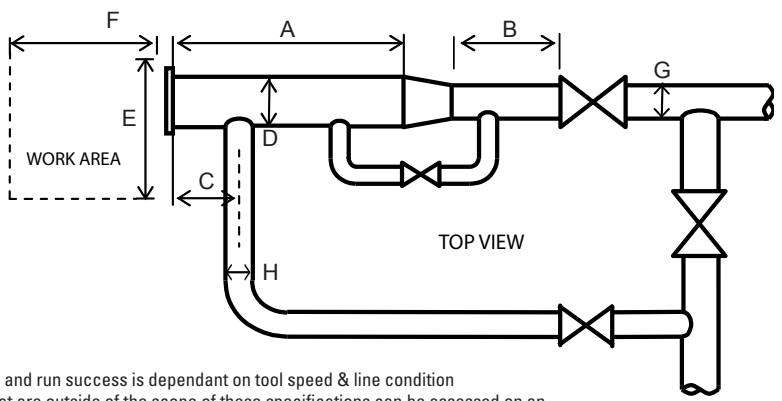
IMU SPECIFICATIONS @ 3 to 8 mph (1.3 to 3.6 m/s)		DIMENSIONS	
Gyros	Accelerometers	Length	44.09 in (1120 mm)
Latitude	±1 m, 1 σ	Weight	529.23 lb (240 kg)
Longitude	±1 m, 1 σ	TOOL RANGE	
Elevation	±1 m, 1 σ	* Run Time	163 hours
	Additional information available upon request		

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

SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)

Traps	A	B	C	D	E	F	G	H
Launcher	56 (1422)	22 (559)	18 (457)	28 (711)	74 (1880)	116 (2946)	26 (660)	8 (203)
Receiver	56 (1422)	56 (1422)	18 (457)	28 (711)	74 (1880)	116 (2946)	26 (660)	8 (203)



- 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 | 26" DdL 0002-4B-25996 Rev. 5
1/11/2016 - 0002-19-01045 rev 5

26 inch

