

20 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	20	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)

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	38 in (966 mm)
		Weight	277 lb (126 kg)
Gyros	Accelerometers	TOOL RANGE @ 3 mph (1.3 m/s)	
Latitude	±1 m, 1 σ	* Run Time	122 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

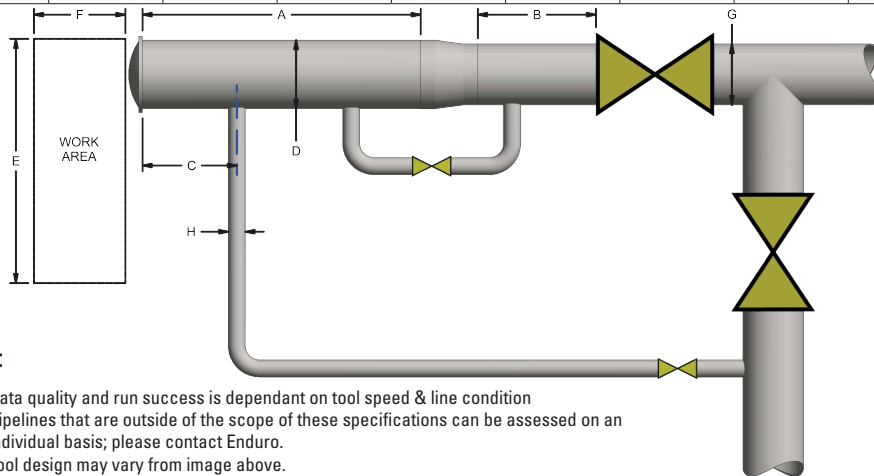
Angle Accuracy	± 2 degrees
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Location Accuracy

Feature to Upstream Girth Weld	± 1.00 (25)
Feature to Upstream Marker	± 60.00 (1524)
Feature Orientation	± 15 degrees

Notes

SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)								
Traps	A	B	C	D	E	F	G	H
Launcher	50 (1270)	19 (483)	18 (457)	22 (559)	68 (1727)	110 (2794)	20 (508)	6 (152)
Receiver	50 (1270)	50 (1270)	18 (457)	22 (559)	68 (1727)	110 (2794)	20 (508)	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 | 20" DdL 0002-4B-24468 Rev 6 - 0002-19-22814 Rev 2

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