

30 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	30	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	55 in (1397 mm)
		Weight	544 lb (247 kg)
Gyros	Accelerometers	TOOL RANGE @ 3 mph (1.3 m/s)	
Latitude	±1 m, 1 σ	* Run Time	118 hours
Longitude	±1 m, 1 σ		
Elevation	±1 m, 1 σ		
	Additional information available upon request		

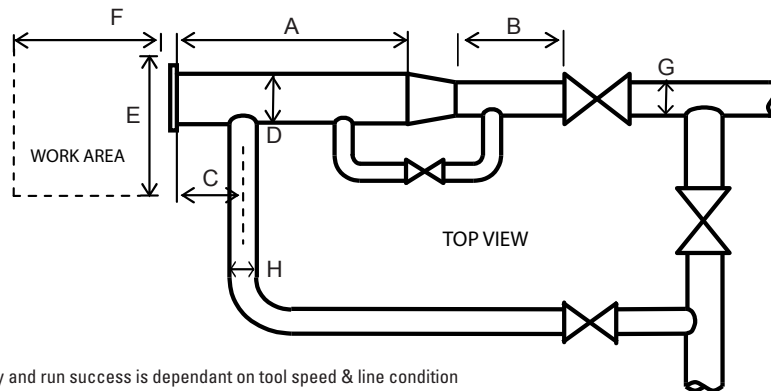
REPORTING in (mm)

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.

SUGGESTED MINIMUM TRAP DIMENSIONS in (mm)								
Traps	A	B	C	D	E	F	G	H
Launcher	67 (1702)	27 (686)	18 (457)	32 (813)	78 (1981)	127 (3226)	30 (762)	8 (203)
Receiver	67 (1702)	67 (1702)	18 (457)	32 (813)	78 (1981)	127 (3226)	30 (762)	8 (203)

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:

- 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 | 30" DdL 0002-4B-20960 Rev 6 - 0002-19-21236 Rev 3

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