

36 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) |

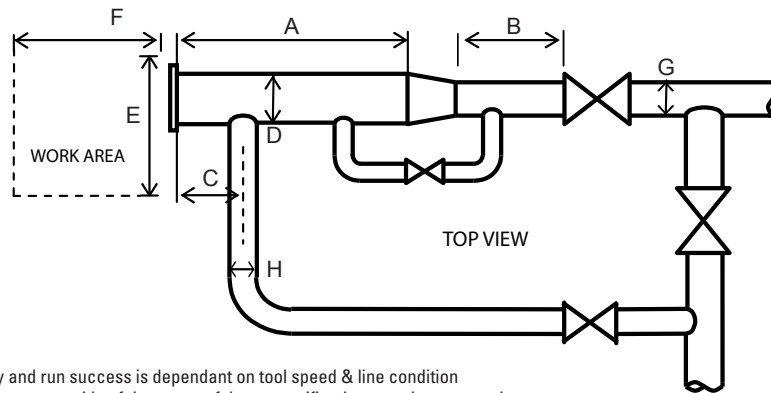
| PIPELINE GEOMETRY REQUIREMENTS | in (mm) |
|--------------------------------|-------------------------------|
| Minimum Local Bore | 25% of pipe O.D. |
| Min. Bend Radius | 1.5D |
| Min. Bend Separation | Capable of back to back bends |

| IMU SPECIFICATIONS @ 3 to 8 mph (1.3 to 3.6 m/s) | | DIMENSIONS | |
|--|---|-------------------|--------------------|
| Gyros | Accelerometers | Length | 62.17 in (1580 mm) |
| Latitude | ±1 m, 1 σ | Weight | 913.07 lb (414 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 | 74 (1880) | 31 (787) | 18 (457) | 38 (965) | 84 (2134) | 134 (3404) | 36 (914) | 10 (254) |
| Receiver | 74 (1880) | 74 (1880) | 18 (457) | 38 (965) | 84 (2134) | 134 (3404) | 36 (914) | 10 (254) |



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 | 36" DdL 0002-4B-18144 Rev. 5
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