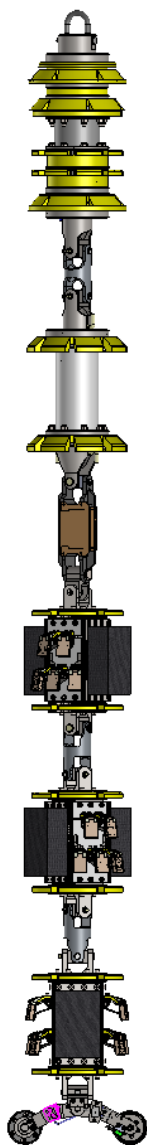


**10" -12" Transverse Flux Induction
Inspection Vehicle**



General Specifications:

Calculated Length	:2600mm
Calculated Weight	:250 kg
Minimum ID in Straight Line	:(234mm 85.7%OD)-(274mm 84%OD)
Minimum ID in Bend / 3 D	:(243mm 89%OD)-(288mm 89%OD)
Launching Length	:2300mm
Receiving Length	:1500 mm
Max. Travel Distance of	
PU Excluding Naphtha/Benzene	:330 km
XYZ GEO Mapping Unit	:Optional
Speed Control	:Manual

Pipeline Specifications:

Mechanical:

Pipeline Outside Diameter	:273 mm—323.85mm
Maximum Pipeline Length	:330 km*
Wall Thickness Range	:4 - 16 mm (0.16 - 0.6 in)
Medium	:Gas / Liquids
Nom. Tee/Barred or Unbarred	:Barred equal tee
Minimum dist. 2 tees	:1000 mm*
Min. Bore in Valve	:370 mm*
Max. % of H2S	:2 %*
Minimum dist. 2 bends	:2500 mm

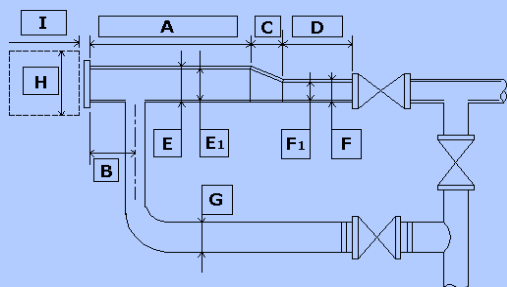
Operational

Operating Temperature	:-40 - +85 °C
Operating Pressure	:1.0 - 9.93 MPa (145-1440 psi)
Min. Operating Pressure in Gas	:2.0 MPa (290 psi)
Tool Run Velocity	:0.3 - 3 m/s (0.67 - 6.7 mph)
Maximum Run Duration	:60 hours

Recommended Dimensions:

Tool Performance:

	Launcher	Receiver	Circumferential Resolution:	5.3 mm
A	2400mm	1800 mm		
B	400 mm	500 mm	@Sampling Rate 1 ms	
C	500mm	500mm	Tool speed	Axial resolution
D	500mm	2400mm	1m/s	1.0 mm
E	Pipeline OD+2"	Pipeline OD+2"	2m/s	2.0 mm
E1	Pipeline ID+2"	Pipeline ID+2"	3m/s	3.0 mm
F	Pipeline OD	Pipeline OD	@Sampling Rate 2 ms	
F1	Pipeline ID	Pipeline ID	1 m/s	2.0 mm
G			2 m/s	4.0 mm
H&I			3 m/s	6.0 mm



Note: All dimensions are in mm.

NOTE: *If value is not meeting reconfirm from Tool Management



ILI Tool Configuration :
10-00-TF-XXX

Revision No.:
0

Prepared :
Burhan

Reviewed :
Gul

Approved :
Hazem