PG3200 - 10”

GEOMETRIC TOOL
TECHNICAL SPECIFICATIONS
GEOMETRIC INSPECTION

General Specifications

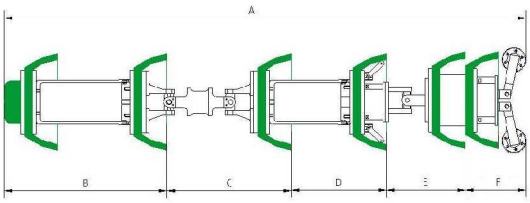
PG 3200 is a family of Geometric tools with multiple sensors, time recording, hourly position of indications and digital data acquisition. With these features it is possible to obtain a clean and precise identification and visualization of geometrical anomalies according to the table beside.

Together with the final report, the client receives a DVD with all the raw data and PIPESCAN software. This software allows us to visualize the run data, enabling to see the complete pipeline.

DETECTION CAPACITY	Yes POD>90%	Maybe 50%≤POD≤90%	No POD<50%
Dents	X		
Ovalities	X		
Punctures	X		
Solid Debris	X		
Valves		X(2)	
Flanges		X(2)	
Wall Thickness Changes		X(2)	
Tees		X(2)	
Mechanical Pig Sig	X		
Girth Welds		X(2)	
Seam Welds			X
Bends < 10D (1)	X		

PG3200-10" Specifications

DIMENSIONS



A = 56.72"
B = 17.68"
C = 13.50"
D = 10.35"
E = 8.58"
F = 6.61"

Diameter	10"
Sensor Qty.	10
Speed (3)	.5 to 20 ft/sec
Pressure (3)	1420 PSI (3)
Temperature (3)	32°F to 140°F
Autonomy (length) (3)	124 miles
Autonomy (time) (3)	30 h
Diameter Restriction (3)	15% OD (4)
Minimum Bend Radius	1.5 D (1)
Sensitivity	1% D (1)
Location Precision	0.3%
Diameter Reduction Precision	-10% / +15% da RD (5)
Classification	85%

Note: Geometric inspections require a clean pipeline from debris as these can be interpreted as anomalies. These tools can be configured with a pig tracker transmitter to allow follow up along the pipeline.

POD - Probability of Detection
(1) - Normal Diameter
(2) - Detection subjected to diameter changes above the tool sensivity
(3) - Other specifications available upon request.
(4) - External Diameter
(5) - Reported Diameter Reduction