

The **Free Point Indicator** is an electromechanical assembly designed to accurately measure torque or stretch in harsh conditions. The basic Free Point tool assembly consists of bow spring or magnet, upper and lower anchors, and a sensor section to determine stuck point. Additional components that must be run with the Free Point tool assembly are: sinker bars to overcome the holding ability of the anchors, a collar locator (CCL) to determine depth and a slack joint to relieve weight above the tool assembly when at the correct depth for making a measurement.

- Measures both torque and stretch
- Identifies neutral weight at free point by plotting torque reading vs driller's weight
- Reduced friction/drag, and therefore easier to deploy in deviated wells
- Controllable anchoring force instead of pre-defined force, as with springs
- Faster setup time, shorter tool string
- Simple maintenance, can be redressed at wellsite
- Crossovers to various service company connections available
- In many cases, eliminates the need for a slack joint or sinker bars
- Shear pins allow for retrieval if communication to deployed tool is lost



Specifications				
Temperature Rating	500° F		260° C	
Pressure Rating	30,000 psi		206.8 MPa	
Diameter	.6875 in. (17.5 mm)	1 in. (25.4 mm)	1.375 in. (35 mm)	1.625 in. (41.3 mm)
Length	118 in. (2,997 mm)	137.5 in. (3,493 mm)	136.75 in. (3,473 mm)	133.5 in. (3,391 mm)
Weight	9 lb. (4.1 kg)	20.5 lb. (9.3 kg)	38 lb. (17.3 kg)	50 lb. (27.7 kg)
Minimum Pipe Diameter	1 in. (25.4 mm)	1.5 in. (38.1 mm)	1.75 in. (44.5 mm)	1.75 in. (44.5 mm)
Maximum Pipe Diameter	5.625 in. (142.9 mm)			
Number of Arms	3		4	
Distance Between Clamps	52 in. (1,321 mm)			

Contact your local Allied-Horizontal Wireline Services' representative to learn how we can help maximize production and lower completion cost.