

Assurity™ Setting Tool

Increase reliability, lower HSE exposure

Technical Specifications



Benefits

- Assurity™ is an innovative three-piece **Setting Tool and WLAK combination** used exclusively for setting Voodoo and Guardian Frac Plugs.
- The tool is 24 inches in length and has only three parts lowering rebuild time and chance of rebuild errors.
- Rebuilds take 2 minutes and can be done in the wireline trailer without breaking down the tool outside.
- Premium stainless steel construction increases reliability and lowers weight while increasing burst, collapse and tensile safety factors.
- 4 feet shorter and 160 lbs lighter than a Baker E-4 setting tool and WLAK which reduces wireline crew HSE risk and human fatigue.
- Assurity™ is self venting and will be visibly vented from ground level when lowered through the lubricator after retrieval.
- The tool's light weight and pressure loss inducing surface features increase towing force and lowers water consumption during pump-down.

Performance

- Top connection is equivalent to Baker E-4 setting tools.
- Any Power Charges for Baker E-4 setting tools can be used.
- Plug and play with existing e-line providers after a 12 hour training shift.
- Plug and play with all perf gun providers.

Increased reliability, decreased human error, lowered HSE exposure

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PN:		55FP1723AST4350-AB			55FP2026AST4250-AB		
Tool Specifications							
Top Connection	2.875 inch 6 TPI Acme Box						
OD	4.400 inch			4.300 inch			
Weight	57 lb			50 lb			
Length	24 inch						
Material	4330V 160 ksi SMYS						
Uniaxial Working Limits	Burst (psi)	Collapse (psi)	Tension (lbf)	Burst (psi)	Collapse (psi)	Tension (lbf)	
	42,000	38,000	76,000	42,000	38,000	76,000	
Setting Tool Part Numbers							
Sleeve	AST20xFPB55-S						
Chamber	AST20xFPB55-A						
Mandrel	BK20xGXB55-M						
Nut	B20xFPB55-N						
Large O-Ring	Viton 90A 336						
Small O-Ring	Viton 90A 333						
Shear Pin	11116, CLDP .125X .625 MBK						
Lock Wire	4 inches, 8904K53						
Lock Tape	44945K13						

Procedures
OP-PRO-3P-FP-GXB-ALL-A

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Technical Specifications



PN:		45FP1113AST3550-AB			45FP1315AST3450-AB		
Tool Specifications							
Top Connection	2.375 inch 6 TPI Acme Box						
OD	3.575 inch			3.475 inch			
Weight	37 lb			30 lb			
Length	24 inch						
Material	4330V 160 ksi SMYS						
Uniaxial Working Limits	Burst (psi)	Collapse (psi)	Tension (lbf)	Burst (psi)	Collapse (psi)	Tension (lbf)	
	42,000	38,000	76,000	42,000	38,000	76,000	
Setting Tool Part Numbers							
Sleeve	AST10xFPB45-SS						
Chamber	AST10xFPB45-PC						
Mandrel	BK10xGXB55-MA						
Nut	BK10xFPB55-NT						
Large O-Ring	Viton 90A						
Small O-Ring	Viton 90A						
Shear Pin	11116, CLDP .125X .625 MBK						
Lock Wire	4 inches, 8904K53						
Lock Tape	44945K13						