

Assurity™ Setting Tool

Increase reliability, lower HSE exposure

Technical Specifications



Benefits

- Assurity™ is an innovative two-piece **setting tool** used exclusively for setting Voodoo and Guardian Frac Plugs. The setting tool is re-dressable at the wellsite if required.
- **A patent-pending dampening mechanism prevents e-line kinking and allows for a standard or slow burn power-charge to be used.**
- The tool is 29 inches in length and has only two parts lowering rebuild time and chance of rebuild errors. Rebuild takes 2-minutes.
- Premium stainless steel 4330-V construction increases reliability and lowers weight while increasing burst, collapse and tensile safety factors.
- 3 feet shorter and 60 lbs lighter than a Baker E-4 setting tool 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

Technical Specifications



PN: 55AST4200-AB			
Tool Specifications			
Top Connection	2.875 inch 6 TPI Acme Box		
OD	4.200 inch		
Weight	57 lb		
Length	29 inch		
Material	4330V 160 ksi SMYS		
Uniaxial Working Limits	Burst (psi)	Collapse (psi)	Tension (lbf)
	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:		45FP1315AST3440-AB		
Tool Specifications				
Top Connection	2.375 inch 6 TPI Acme			
OD	3.440 inch			
Weight	30 lb			
Length	29 inch			
Material	4330V 160 ksi SMYS			
Uniaxial Working Limits	Burst (psi)	Collapse	Tension (lbf)	
	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			

Procedures
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