

PurpleSeal Express

Single-use frac-plug deployment system



Preassembled, run-ready, and disposable

The exclusive PurpleSeal Express™ system streamlines frac plug installation and eliminates wellsite redressing errors that cause costly presets and soft-sets. This system combines a PurpleSeal™ PS-C or PS-X frac plug with our exclusive patented RP Disposable Setting Tool®. The plug and setting tool are preassembled with connections thread-locked or torque-tightened to prevent back-off. Just remove the assembly from the shipping carton, insert a power charge, install a firing head/igniter, and make the assembly up to the gun string. No shear screws or set screws to install, no connections to tighten, no oil to add. After the tool strokes to set the frac plug, it automatically releases pressure before it is retrieved. At the surface, simply remove the setting tool from the gun string and set it aside for recycling. No disassembly, no inspection, no redressing.

Features and Benefits

- Preassembly at the factory eliminates wellsite redressing errors
- Anti-preset shear screws in the setting tool prevent premature plug setting
- There is no pressure discharge at surface
- The compact, lightweight assembly can be handled by one person
- The short length allows additional guns for each stage

Casing size	Casing weight	Plug pressure rating	Plug OD	Plug ID	Plug length	Assembly length	Assembly weight	Setting force of plug	Maximum power charge pressure	PurpleSeal Express part number PS-C	PurpleSeal Express part number PS-X
mm	kg	MPa	mm	mm	mm	mm	kg	daN	MPa		
114.3	17.3-22.5*	68.9	91.4	25.4	338.6	1088	20	8,896	110.32**	0029087	0022722
114.3	34.0	62.1	91.4	25.4	338.6	1088	20	8,896	110.32**	0029087	0022722
127.0	26.8-31.9	68.9	97.8	25.4	397	1146	21.7	8,896	110.32**	0035000	0030354
139.7	25.3	55.2	111.2	38.1	432.2	1364	45.4	11,120	82.74**	0037639	0037643
139.7	29.8-34.4*	68.9	111.2	38.1	432.2	1364	45.4	11,120	82.74**	0037639	0037643

*Qualified in Q-125 casing. **Wireline connections to setting tool must contain this pressure to set plug.



REPEAT PRECISION

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