



The Rubicon HydraSTART MTV Multi-Start Cycle Toe Valve eliminates the need for Tubing-Conveyed Perforating (TCP) by providing a simple and reliable hydraulically actuated injection path. The patent pending cycling feature provides the ability to test at max pressure without the requirement to pressure higher to open the sleeve.

The ability to pressure test the casing is only limited by the 18,000 psi absolute (hydrostatic + applied) pressure rating of the sleeve and is not dependent on the rating of the rupture disks.

The versatile design can be modified prior to running to enable a similar or lower pressure to open the sleeve after the first test, or to enable opening the sleeve after the first bleed down. With this configuration, multiple sleeves could be run to recreate a perf cluster.

An integral ball seat enables casing pressure test after DFIT or light injection.

MAKING IT BETTER

The unique cycling feature of the HydraSTART MTV enables a full pressure test at the highest pressure as well as provides multiple options to tailor your toe initiation.

	4-1/2	5	5-1/2
Sleeve Size (in)			
OD (in)	5.875	5.875	6.875
ID (in)	3.28	3.28	4
Length (in)	57.625	57.625	57.65
Flow Port Area (in²)	11.2	11.2	14.304
Tensile (lbs)	325,000	325,000	535,000
Torque (ft-lbs)	25,000	25,000	40,000

Applications

- Multistage Frac Completions
- Toe Initiation

Features & Benefits

- Multi-Start Cycle technology eliminates the need to pressure up beyond the casing test pressure to open the sleeve, meeting the regulatory requirements in some areas.
- The versatile design enables multiple sleeves to be opened at once to replicate perf clusters across the entire first stage.
- Proprietary seal design provides higher assurances the tool will perform reliably
- Large flow port area enables the sleeve to become the first stage in the frac operation

For more information

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