



The **HydraSTART STV II Single-Start Toe Valve** eliminates the need for Tubing-Conveyed Perforating (TCP) by providing a simple and reliable hydraulically actuated injection path. The simple four-piece design and highly engineered seals ensure the sleeve operates reliably.

The sleeve utilizes redundant rupture disks with precise burst pressures, enabling an opening pressure that can be tailored to your well environment. The patented design provides added protection of the rupture disk and seals further reducing risk from cementation.

The industry leading piston size ensures a greater force to open the valve, even in conditions that are not ideal.

### Applications

- Multistage Frac Completions
- Toe Initiation

### Features and Customer Benefits

- Simple design reduces leak paths and increases reliability
- 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
- Full bore option enables use of any cement wiper plug system
- Industry leading piston area provides greater force for opening the valve



Casing Size (inches)	4-1/2" Slim	4-1/2" & 5"	5-1/2"	5-1/2" FB & 6"
OD (inches)	5.450	5.875	6.875	7.450
ID (inches)	3.150	3.500	4.25	4.670
Length (inches)	32.375	32.375	32.375	32.375
Max Rupture Disk (psi)	18,000	18,000	18,000	18,000
Flow Port Area (in sq)	13.136	14.778	14.778	14.778
Piston Area (in sq)	7.0	7.7	9.4	10.5
Tensile (lbs)	300,000	375,000	400,000	500,000
Torque (ft-lbs)	25,000	25,000	40,000	40,000
Optional Dissolvable Ball Size (inches)	3.313	3.750	4.500	-