

Single Acting Flow Activated Shifting Tool



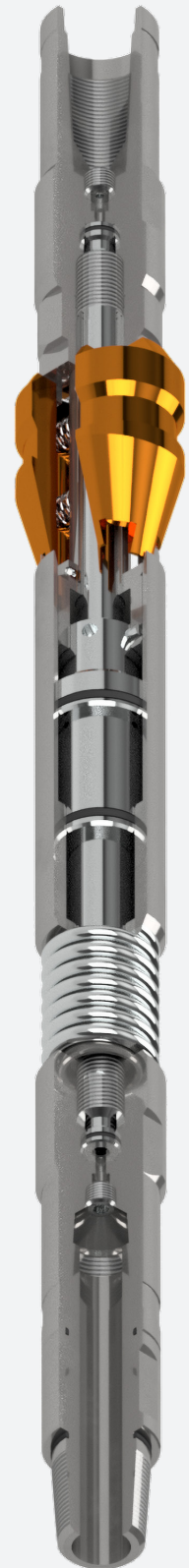
- 10,000 PSI rated
- Reversible design
- Standard 'B' key profiles

DESCRIPTION

The Pragma Coiled Tubing Single Acting Shifting Tool is a normally retracted hydraulic action tool used to position the closing sleeve of most Sliding Side Doors to the open position or to the closed position. Normally retracted, the spring loaded shifting keys are shaped to match a profile within the closing sleeve. The keys are expanded by increasing Coiled Tubing flow pressure to operate a piston which disengages a retractor sleeve from the shifting keys.

Typically these expanded keys are self-releasing so that when the closing sleeve is fully up or down, they will disengage from the sleeve profile allowing the shifting tool to pass through.

The Pragma Coiled Tubing Single Acting Shifting Tool is also available as a dual action tool with key sets facing up and down. Both types are available to suit most sizes of sliding sleeves. The table below lists some of the most popular sizes to suit standard 'B' profiles.



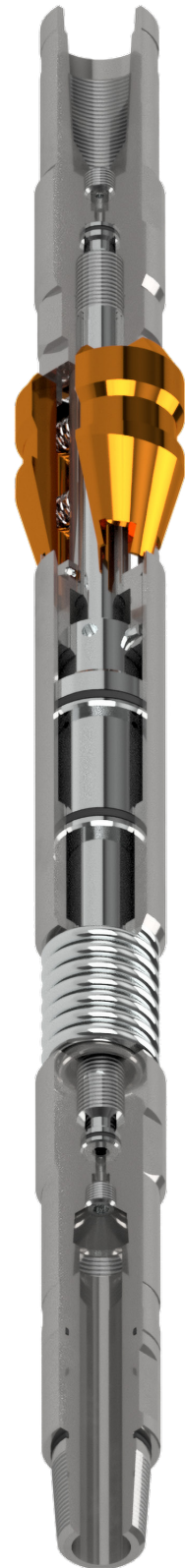
FEATURES & BENEFITS

- Reversible so it can be run in shift down or shift up mode.
- Run in hole with keys retracted.
- Includes safety shear release mechanism
- Can be supplied with selective self-releasing keys (standard) or with positive keys.
- Suits standard B Profile can be designed to suit most other types of profile
- Dual Acting shifting tools are available.

Part Number	SSD Size	Keys Retracted OD	Keys Expanded OD	Thread
SFAST171AA08	1.710"	1.69"	1.99"	1.00 AMMT
SFAST188AA08	1.875"	1.84"	2.07"	1.00 AMMT
SFAST213AA09	2.125"	2.10"	2.35"	1.50 AMMT
SFAST218AA09	2.188"	2.17"	2.59"	1.50 AMMT
SFAST231AA09	2.313"	2.29"	2.59"	1.50 AMMT
SFAST256AA09	2.562"	2.53"	2.84"	1.50 AMMT
SFAST275AA09	2.750"	2.72"	2.99"	1.50 AMMT
SFAST281AA09	2.813"	2.79"	2.99"	1.50 AMMT
SFAST313AA09	3.125"	3.10"	3.48"	1.50 AMMT
SFAST331AA09	3.313"	3.29"	3.61"	1.50 AMMT
SFAST343AA23	3.437"	3.40"	4.04"	2.38 PAC
SFAST369AA23	3.688"	3.66"	4.13"	2.38 PAC
SFAST381AA23	3.813"	3.78"	4.09"	2.38 PAC
SFAST431AA23	4.313"	4.29"	4.83"	2.38 PAC
SFAST456AA23	4.562"	4.52"	5.00"	2.38 PAC

We offer optional equipment, alternative sizes, pressure ratings, temperature ratings, materials and thread connections.

Please contact us for more information.



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