

SHIFTING TOOL

APPLICATION

- Sliding Side Door Valves
- Sub Surface Safety Valves
- Completion Barrier Ball Valves
- Shifting a sleeve in any well product which has a shifting profile

FEATURES

- Suitable for use with Jars and Impact Hammers
- Dogs activated with flow
- Single and Bi-directional use
- A single tool can be used for various profiles
- Through bore
- Tool joint or service connections

ADDITIONAL INFORMATION

- The sizes listed above are examples of common configurations.
- Uni-Directional Dogs are listed above. Bi-directional Dogs are also available.
- Bespoke designs available to suit job specific applications and profiles.
- Tools are manufactured from mild steel as standard. Other materials are available on request.

The WellEnTech Shifting Tool is a flow operated device used for engaging and moving standard shifting profiles, typically found in Sliding Side Door Valves, Sub Surface Safety Valves and Completion Ball Valves. The Dogs are designed to engage specific profiles and release from that profile when the sleeve to be shifted has completed its stroke. Dogs can be fitted to either open or close a sleeve. Or, Bi-directional Dogs can be fitted to perform a series of open and close operations in a single trip in hole.

TECHNICAL SPECIFICATION

Tool Chassis OD	Length (Inches)	Connection	Assembly No.	Profile Size	Dog Part No.
1.688"	20.00	1"AMMT Box x Pin	180-1688-A001	1.875	180-1688-SH06
				2.188	180-1688-SH09
2.125	22.50	1-1/2"AMMT Box x Pin	180-2125-A001	2.313	180-2125-SH06
				2.562	180-2125-SH09
				2.813	180-2125-SH15
3.000	26.75	2-3/8" PAC Box x Pin	180-3000-A001	3.125	180-3000-SH06
				3.250	180-3000-SH09
				3.313	180-3000-SH12
				3.437	180-3000-SH15
				3.688	180-3000-SH18
				3.813	180-3000-SH21
4.313	180-3000-SH24				
4.562	180-3000-SH27				

OPERATION

The WellEnTech Shifting Tool is configured with suitable Dogs and retaining sleeves to suit the profile to be shifted within the completion string. The Dogs remain within the retaining sleeves until flow through the tool pumps the retaining sleeves back to activate the Dogs. The spring loaded Dogs can then engage a profile and either upward or downward movement will shift the sleeve. The Dog design will then release from the profile once it has completed its travel. When flow through the tool is stopped the Disc Springs return the retaining sleeves pulling the Dogs back into the tool.

