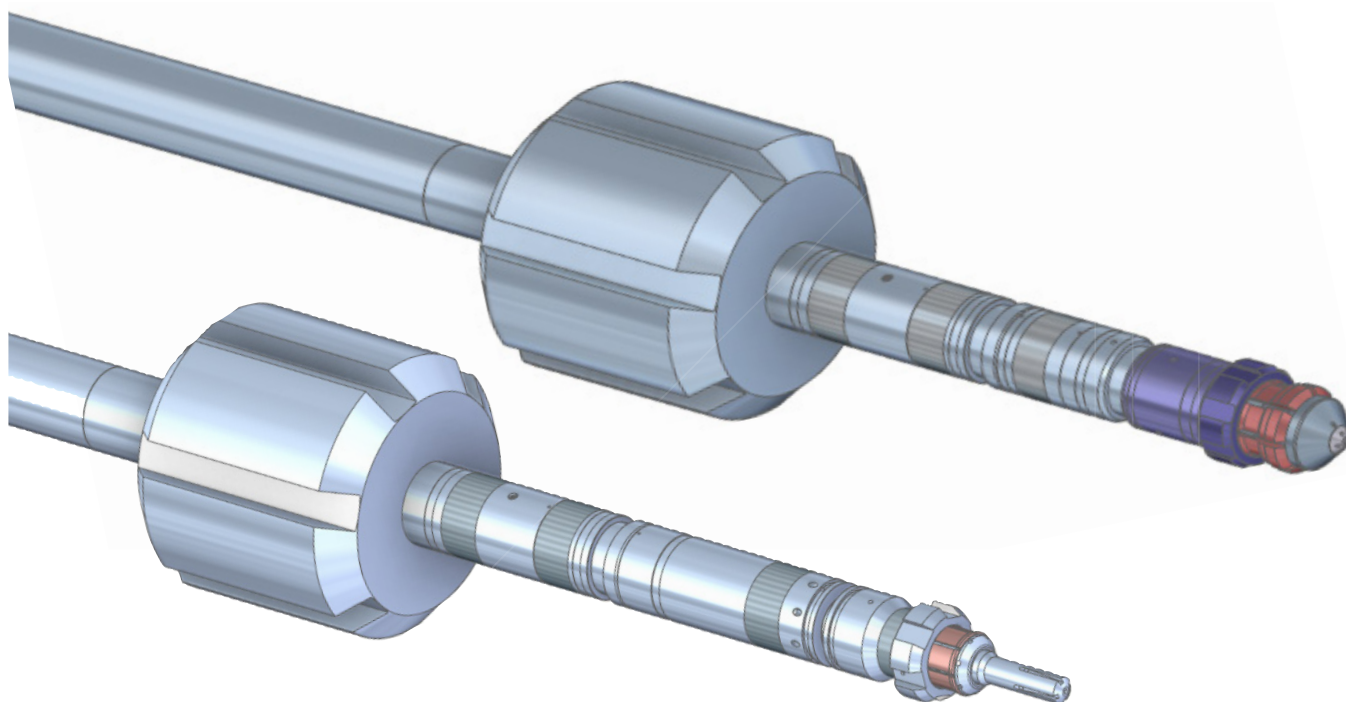


Multi Setting Pulling Tool (MSP)



Description

The MSP tool is designed to set and retrieve Tubing Hanger (TH) plugs and Tubing Hanger Isolation Sleeves (THIS) multiple times on drillpipe, without the need for shearing parts and redress, it resets automatically after release. With the flow-controlled piston and Flow Release GS assembly, the MSP ensures consistent and reliable handling of the downhole equipment. An additional downhole control feature is the Telltale Valve which gives a clear indication of a correctly set plug through a pressure drop. The Dual Back Pressure Valve eliminates the possibilities for reverse flow of well fluid/gas up through the tool and the drillpipe.

Application

The MSP Tool sets and retrieves CP, TH-Plugs and TH Isolation Sleeves. By circulating fluid it can safely release the fish neck of the plug/isolation sleeves. It then automatically re-sets itself.

Benefits

- Debris tolerant.
- Drillpipe deployed.
- No redress between runs.
- Flow/ Pressure controlled operation.
- Ability to set and reset plug/THIS in the same operation (no need for redress).
- No need for Interwell personnel onboard.
- Suitable for different horizontal XMT setups.
- Telltale Valve signals correctly released/set plug.
- Significant reduction of operational time, compared to traditional wireline operations, with higher success rate.

Multi Setting Pulling Tool (MSP)

Technical Specifications

Part Main Group	Product No.	Pipe	Top Connection	Spacer	Max OD (Centralizer)	Make Up Length	Main Material
Upper Assembly Pipe,Spacer Flapperhousing	MSP1850SP10201	Standard	5,5" FH EIS Box	-	18,50 / 469,9	519,53" / 13196 mm	AISI 4140
	" 202		5,5" FH EIS Box	19.7" / 500 mm		539,21" / 13696 mm	
	" 203		MT57 Box	-		519,53 / 13196 mm	
	" 204	19.7" / 500 mm		539,21 / 13696 mm			
	" 205	-		389,60 / 9896 mm			
	" 206	19.7" /500 mm		409,29 / 10396 mm			
Part Main Group	Product No.	Description	Fishing Neck Profile	Make Up Length	Main Material	Max Tensile Load	Will Retrieve
Lower Assembly FRT, Jetting tool	MSPF550SP10101	FRT	3,5"	28,28" / 718,5 mm	AISI 4140	Plug Dependent	3.5" Fishing Neck Profile
	MSPF550SP10102		4"				4" Fishing Neck Profile
	MSPF630SP10102		5"	34,04" / 84,5 mm			5" Fishing Neck Profile
	MSPF630SP10101		6"	35,43" / 900 mm			6" Fishing Neck Profile
	MSPF580SP10101		5"	17,36" / 441 mm		THIS Dependent	5" Fishing Neck Profile
	MSPF700SP10101		7"	21,54" / 547 mm			7" Fishing Neck Profile
	MSPJ550SP10101	Jetting Tool	3,5"	27,56" / 700 mm		N/A	N/A
	MSPJ550SP10102		4"				
	MSPJ550SP10103		5"				
	MSPJ550SP10104		6"				