

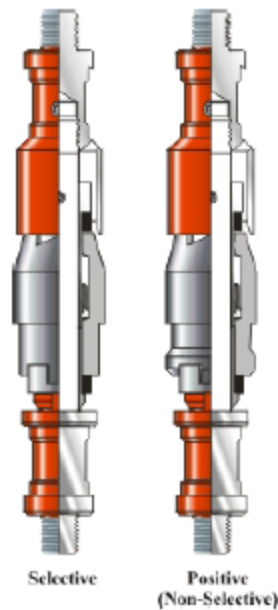


PCS Shifting Tool

The PCS Shifting Tool is designed to move the inner sleeve of the PCS Sliding Sleeve System into the open or closed position. PCS Sliding Sleeves are configured to open down or up, depending on the customer's requirements. They can also be configured with a profile nipple to accommodate wireline locks and plugs.

Depending on the direction the sleeve is to be moved, the tool engages the recess in the upper or lower end of the sleeve which allows the sleeve to be shifted by jarring action.

The PCS Shifting Tool incorporates an automatic release profile to release itself only after the sleeve reaches the fully open or closed position. A shear pin release feature allows the tool to be released in the event the sleeve cannot be shifted.



Specifications				
ID of Sleeve	Tool Thread.	Fishing Neck O.D.	O.D. Keys Expanded	O.D. Keys Contracted
1.781	15/16-10	1.375	2.12	1.75
1.875	15/16-10	1.375	2.16	1.84
2.125	15/16-10	1.375	2.44	1.97
2.188	15/16-10	1.750	2.69	2.16
2.313	15/16-10	1.750	2.65	2.34
2.562	15/16-10	1.750	2.97	2.53
2.813	1 1/16-10	2.313	3.16	2.72

