

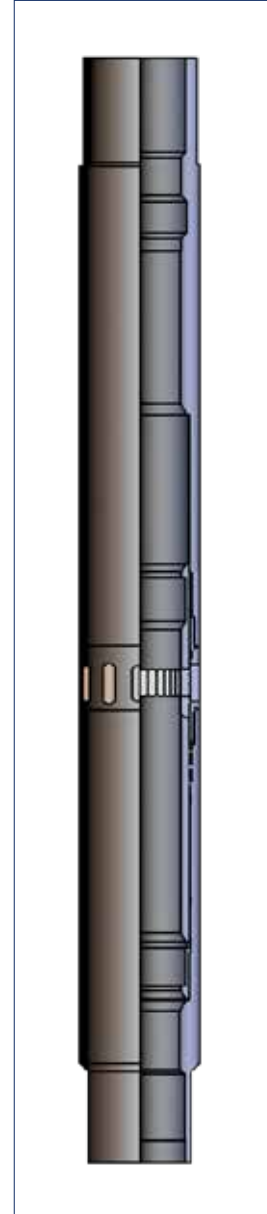
SHIELD SDD-NE SLIDING SLEEVE

Shield circulating sliding sleeve is a downhole flow control valve that can be installed in the production string to provide communication between tubing and casing annulus. These sleeves are economical, versatile option with high availability.

- The SHIELD SDD-NE D sleeve is opened and closed using standard wireline methods; the inner sleeve is shifted downward to open the valve and upward to close it.
- The SHIELD SDD-NE U sleeve is also opened and closed using standard wireline methods, but instead, the inner sleeve is shifted upward to open the valve and downward to close it.
- The Model B Shifting Tool is used to open (jarring up) or (jarring down) the Sleeve.

SPECIAL FEATURES

- The SHIELD SDD-NE sliding sleeves allow simple, positive control of the tubing and annulus for economical zonal control.
- With a versatile design adaptable to many completions' configurations, multiple sleeves can be run in tandem for multiple zonal isolation and production.
- Non-Elastomeric Carbon/Teflon chevrons seal stack with a Teflon encapsulated O-rings.
- The sliding sleeves can accommodate any premium threads and alternative profiles for flow-control nipples of all sizes. Alternate profiles not included in the charts may be available on special orders.



TUBING SIZE INCH	SEAL BORE INCH	MAX. OD INCH	MIN. ID INCH	LENGTH
				INCH
2 3/8	1.813	3.09	1.83	47.88
	1.875	3.08	1.9	48.99
2 7/8	1.813	3.75	1.83	48.63
	2.313	3.75	2.375	48.63
3 1/2	2.563	4.28	2.61	59.08
	2.75	4.28	2.775	52.37
	2.813	4.28	2.825	50.01
4	3.313	5.25	3.395	55.25
4 1/2	3.563	5.5	3.785	58.05
	3.75	5.5	3.895	54.89
5	3.813	5.619	3.895	60.26
5 1/2	4.563	6.5	4.677	57.98