

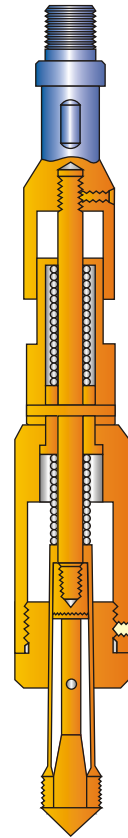


## 'WS' WIRELINE SPEAR

PARVEEN Wireline Spears are used in general fishing operations when wire is bundled up very badly and two prong wireline grab can not engage it.

Engineering Data for Wireline Spear					
SIZE (IN.)	MAX. O.D (IN.)	F/N O.D. (IN.)	THREAD CONN PIN (IN. - TPI.)	TO CATCH DIAs (IN.)	PART NO.
1.1/2	1.50	1.375	15/16 - 10 UN	0.50 - 0.75	60150721
1.1/2	1.50	1.375	15/16 - 10 UN	0.75 - 1.00	60151021
1.1/2	1.50	1.375	15/16 - 10 UN	1.00 - 1.25	60151221
1.1/2	1.50	1.375	15/16 - 10 UN	1.25 - 1.50	60151521
1.3/4	1.75	1.375	15/16 - 10 UN	1.50 - 1.75	60171721
2.1/4	2.25	1.750	15/16 - 10 UN	1.75 - 2.25	60222231
2.3/4	2.75	1.750	1.1/16 - 10 UN	2.25 - 2.75	60272732
3.1/2	3.50	2.312	1.1/16 - 10 UN	2.75 - 3.50	60353542

- Other sizes available on request

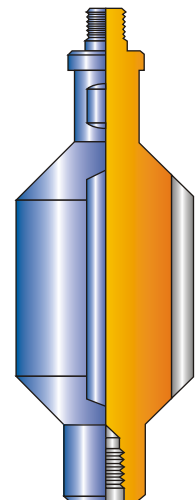


**WIRELINE SPEAR**

## 'FC' FLUTED CENTRALIZER

PARVEEN Fluted Centralizers are used in deviated wells to ensure that tool string is at centralized position.

Engineering Data for Fluted Centralizer				
SIZE (IN.)	MAX. O.D. (IN.)	F/N O.D. (IN.)	THREAD CONN. PIN X BOX (IN. - PI.)	PART NO.
1.1/2	1.50	1.187	15/16 - 10 UN	641511
2.1/2	2.50	1.750	1.1/16 - 10 UN	642532
3.1/2	3.50	2.312	1.9/16 - 10 UN	643546
6	6.00	2.312	1.9/16 - 10 UN	646046



**FLUTED CENTRALIZER**