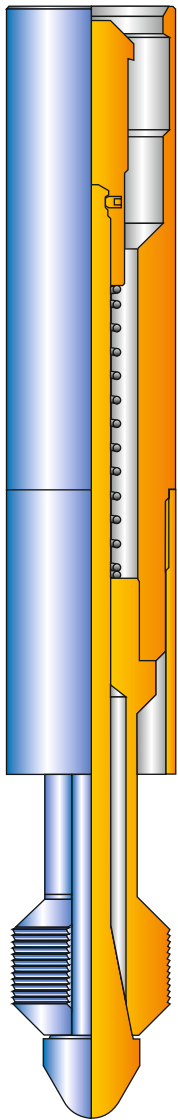


RELEASABLE COLLET BULL DOG SPEARS



**RELEASABLE
COLLET
BULL DOG
SPEAR**

PARVEEN Releasable Collet Bull Dog Spear is a heavy duty fishing tool designed for internal engagement of tubular items within wells.

The spear is deployed on a “shear up” pulling tool and engaged into the fish. In the event the fish cannot be pulled, a shear pin located within the pulling tool will shear and release the tool from the spear.

A ‘GR’ pulling tool is then deployed to release and retrieve the spear from the fish. The ‘GR’ tool is used to drive down the central mandrel and engage the internal fishing neck.

The Releasable Collet Bull Dog Spear consists of a top sub complete with an internal fishing neck, a tapered inner mandrel and an inner mandrel top sub complete with an external fishing neck, collet set and spring. Optional engagement stop rings can be supplied on request.

RELEASABLE COLLET BULL DOG SPEARS					
Size (in)	Will Engage (in)	Max. O.D. (in)	Running Neck (in)	Pulling Neck (in)	Part No.
2	0.875 - 1.000	1.850	1.000	1.375	351-18510
2	1.000 - 1.250	1.850	1.000	1.375	351-18512
2	1.250 - 1.375	1.850	1.000	1.375	351-18513
2	1.375 - 1.500	1.850	1.000	1.375	351-18515
2-1/2	1.250 - 1.375	2.280	1.187	1.810	351-22813
2-1/2	1.375 - 1.500	2.280	1.187	1.810	351-22815
2-1/2	1.500 - 1.675	2.280	1.187	1.810	351-22816
2-1/2	1.675 - 1.750	2.280	1.187	1.810	351-22817
2-1/2	1.750 - 1.875	2.280	1.187	1.810	351-22818
2-1/2	1.875 - 2.000	2.280	1.187	1.810	351-22820
3	1.750 - 1.875	2.720	1.375	2.313	351-27218
3	1.875 - 2.000	2.720	1.375	2.313	351-27220
3	2.000 - 2.250	2.720	1.375	2.313	351-27222
3	2.250 - 2.500	2.720	1.375	2.313	351-27225
3-1/2	2.500 - 2.750	3.625	1.750	2.620	351-36227
3-1/2	2.750 - 3.000	3.625	1.750	2.620	351-36230
3-1/2	3.000 - 3.250	3.625	1.750	2.620	351-36232
3-1/2	3.250 - 3.500	3.625	1.750	2.620	351-36235