



## Hydraulic "GS" Spear - TT0210



### Description

The Hydraulic Spear is used to retrieve a string that is stuck or that has been left in the hole, and that has an internal GS fishing neck on top. The spear is designed to withstand high side and tensional loads during a jarring operation.

### Operation

Tag the fish and apply set down weight. The collets will retract and then latch when entering the internal fish neck profile. Begin pulling and/or jarring to retrieve the fish. If retrieval is not possible, set down again on the fish. Pumping through the tool will lock it in release position, allowing disengagement of the fish. The fishing string can now be retrieved from the hole.

Product Code	OD		Pressure to Hold in Release Position		Pump Rate		Internal Profile Retrieved
	in.	mm	psi	kPa	gpm	L/s	
TT0210-181E	1.813	46.1	350	2413.3	19	1.2	2 in. GS
TT0210-213E	2.125	54.0	200	1379	25	1.6	2.500 in. GS
TT0210-225E	2.250	57.2	200	1379	25	1.6	2.500 in. GS
TT0210-270E	2.700	68.6	300	2068.5	30	1.9	3 in. GS
TT0210-288E	2.875	73.0	300	2068.5	30	1.9	3 in. GS