



## Mechanical Spear - TT0200



### Description

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

### Operation

Tag the fish and set down approximately 20-30 lbs, the collets will then retract and latch when entering the internal fish neck profile. Begin pulling and/or jarring to retrieve the fish. If retrieval is not possible, jar down to shear the brass shear screws. This causes the collets to retract and disengage from the fishing neck. The fishing string can now be retrieved from the hole.

Part Number	OD		ID		Length		Maximum Tensile Load		Maximum Torsional Yield		Profile to Latch
	in.	mm	in.	mm	in.	cm	lbf	daN	ft-lbf	N-m	
TT0200-168B	1.688	42.9	0.188	4.8	16.500	41.9	27,000	12,010	180	244	2 in. B&W
TT0200-168BGS	1.688	42.9	0.188	4.8	16.000	40.6	27,100	12,054	180	244	2 in. GS
TT0200-213B	2.125	54.0	0.313	8.0	21.600	54.9	49,000	21,795	700	949	2.500 in. GS
TT0200-225B	2.250	57.2	0.313	8.0	21.600	54.9	49,000	21,795	700	949	2.500 in. GS
TT0200-288A	2.875	73.0	0.500	12.7	24.800	63.0	76,000	33,805	1,200	1,627	3 in. GS
TT0200-288E	2.875	73.0	0.500	12.7	29.600	75.2	76,000	33,805	1,200	1,627	3 in. GSFA