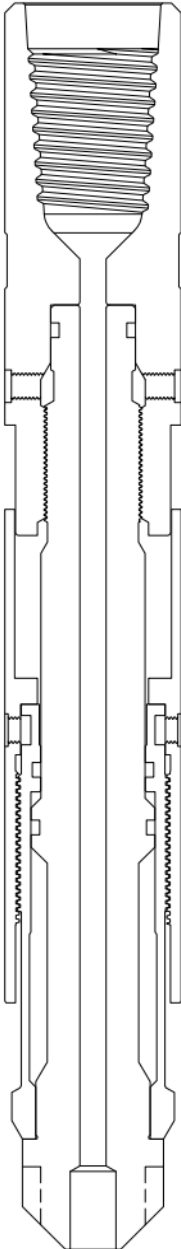




## Hydraulic Spear



The Hydraulic Spear is used to retrieve a string that is stuck or left in the hole having an internal fishing profile on top. The spear is designed to withstand high side and tensional loads during jarring operations.

To engage the spear 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 shift it into release position, allowing disengagement of the fish. The fishing string can now be retrieved from the hole.

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