Wellbore Integrity SOLUTIONS

PullMaster

Hydraulic pulling tool

APPLICATIONS

- Recovery of casing that cannot be retrieved using conventional fishing techniques
- Recovery of stuck liners, washpipe, and other tubulars
- Recovery from rigs with limited pulling or jarring capacity

BENEFITS

- Improves operational flexibility by offering an alternative to pilot milling casing in slot recovery or redrill operations
- Enhances environmental and HSE quality by eliminating swarf generation
- Reduces rig time compared with casing milling operations

FEATURES

- Anchoring of section sets inside 13⅜ in. casing
- Hydraulically actuated pulling section
- Hydraulic set-and-release anchor section
- 1,200,000-lbf pulling capacity
- Not limited to workstring limitations
- Used with conventional fishing jarring BHAs
- Compatible with any mechanical engagement tool for engaging the fish for pulling
- Additional pumps activating the hydraulic pulling section not required

Time reducing pulling capability

The PullMaster hydraulic pulling tool is designed to pull liners, packers, tubing, casing, drillpipe, and other objects stuck in the wellbore on rigs with limited pulling or jarring capacity. The tool is also used in slot recovery and well redevelopment applications in which a specific TD for whipstock setting or pulling casing below a casing shoe is required and when the casing cannot be retrieved using conventional fishing techniques due to settled solids or partial cement.

PULLMASTER SPECIFICATIONS	
Tool size, in. [cm]	11⅞ [30.16]
Casing size, in. [cm]	13⅜ [33.97]
Casing weight, lbm/ft [kg/m]	48–98 [71–146]
Tensile yield, lbf [N]	2,000,000 [8,896,443]
Max. operating pressure, psi [MPa]	4,700 [32.4]
Max. force generated, lbf [N]	1,200,000 [6,227,510]
Pull ratio, psi:lbf [MPa:N]	1:298.5 [1:192,612.1]
Stroke length, in. [cm]	36 [91.44]
Makeup torque, ft.lbf [N.m]	67,789 [91,910]

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