

ProLATCH-N

Internally latching subsea wellhead retrieval system

APPLICATIONS

- Mechanical abandonment operations
- Recovery of casing where torque transmission is required
- Pickup of very short pieces of casing

BENEFITS

- All-mechanical design
- Elimination of need for marine swivel and long drill collar string
- Reduction of workstring handling time
- Ability to retrieve casing section or well-head and casing section together
- Elimination of remachining for future service

Simplify mechanical abandonment operations

The ProLATCH-N* internally latching subsea wellhead retrieval system is designed to simplify mechanical abandonment operations by eliminating the need for a marine swivel and a long drill collar string and reducing workstring handling time. Only one stand of 8-in drill collars is required to run above the cutting assembly, and once engaged, the system can retrieve the casing section or wellhead and casing section together.

The system eliminates remachining for future service by catching wellheads and casing hangers in noncritical areas and avoiding seal bores.

Recover wellheads and casing hangers after abandonment

The ProLATCH-N system comprises a rotating spear, hydraulic pipe cutter, and nonrotating stabilizers placed above and below the pipe cutter. A collet-type catcher is available for a full range of subsea wellheads.

Reduce bowing effect in the workstring

In deepwater operations, weight does not have to be slacked off onto a marine swivel, which reduces the bowing effect in the workstring. The string stays straighter, eliminating rotating bending fatigue and minimizing risk of fatigue failure.



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Tool Series Specifications	7	9	13	13	18	18
Standard Spear						
Body OD (inch)	5 ¹¹ / ₁₆	7 ¹ / ₄	11 ³ / ₄	11 ³ / ₄	16 ¹ / ₂	16 ¹ / ₂
Connections	3 ¹ / ₂ IF	4 ¹ / ₂ IF	6 ⁵ / ₈ Reg	6 ⁵ / ₈ Reg	6 ⁵ / ₈ or 7 ⁵ / ₈ Reg	6 ⁵ / ₈ or 7 ⁵ / ₈ Reg
Casing size catch range (inch)	6 ⁵ / ₈ –7 ⁵ / ₈	8 ⁵ / ₈ –10 ³ / ₄	Grapple 13 ³ / ₈ CSG–135/8 ID	Carrier and segments 17 ³ / ₈ ID–20 CSG	Grapple 18 ⁵ / ₈ CSG–21 ¹ / ₄ ID	Carrier and segments 22 ³ / ₄ ID–36 CSG
Weight (lbm)	275	525	1,975	2,085	2,950	3,750
Rotating Spear						
Spear OD (inch)		7 ¹ / ₄	11 ³ / ₄		16 ¹ / ₂	16 ¹ / ₂
Connections		4 ¹ / ₂ IF	6 ⁵ / ₈ Reg		6 ⁵ / ₈ or 7 ⁵ / ₈ Reg	6 ⁵ / ₈ or 7 ⁵ / ₈ Reg
Bearing material		Bronze	Bronze		Bronze	Roller
Max. static pull load available, lbf		650,000	860,000		1,100,000	1,100,000
Max. intermittent rotating load, lbf		25,000	40,000		75,000	80,000
Weight, lbm		520	1,560		2,200	2,200