

HYDRA RAPTOR

STRADDLE PACKER

DESCRIPTION

Hydra Raptor is a flow-activated hydraulic straddle packer system for efficient well stimulation. It activates and deactivates automatically based on fluid flow rate, delivering reliable sealing and operational efficiency.

Activation Mechanism:

The system uses differential pressure: increasing flow rate activates the packers for a secure seal; decreasing flow deactivates them without manual intervention.

Customizable Control

Install calibrated nozzles in the circulation port to set precise differential pressure, maintaining packer activation at targeted flow rates for optimal flexibility.

Rapid activation/deactivation for seamless acid fracturing fluid pumping.

Handles up to 10,000 psi on packers.

Suitable for open-hole and cased-hole environments with broad operating parameters.

System Components: upper packer, lower packer, circulation frac sub

These elements ensure efficient fluid circulation and effective stimulation across diverse wellbore conditions.

FEATURES

- Designed to refrac jobs in cased wells, or Stimulation in Open-Hole applications
- Run on CT or tubing
- Optimized to Acid stimulation
- No need to apply axial force
- Multi-cycle hydraulic
- Small OD, reduces risk of damage to the packer when running and passing through drilled fracturing ball sleeves
- Up to 25+ stimulations during 1 RIH
- 3 memory PT gauges (above packer, between packers and below the bottom packer)
- Circulation during RIH and Annulus circulation when stuck

Min Working Diametr in – [mm]	Max Working Diametr in – [mm]	Packer OD in – [mm]	Packer ID in – [mm]	Pressure Rating Psi - [Bar]
3.6 - [91.5]	4.1 - [104.1]	3.4 - [86.4]	1 - [25.4]	10000 - [689]
5.625 [142.8]	6.25 [158.8]	5.5 - [139.7]	2.125 - [54]	6000 - [414]
5.875 [149.3]	6.25 [158.8]	5.75 - [146.1]	2.125 - [54]	10000 - [689]

