

Vertechs High Expansion Dissolvable Plug (HEDP)



Vertechs High Expansion Dissolvable Plug (HEDP) is designed to solve severe downhole restriction challenges for unconventional well completion or workover. By reducing the plug OD substantially, HEDP improves the pass-thru ability of pump down assembly. Minimal plug OD, fully dissolvable features don't comprise the pressure holding up to 10,000 psi. HEDP also comes with a patent pending "SMART-FIN" sleeve (Optional). When pump down starts, the pump ring around the setting sleeves opens up, reduce the fluid bypass, increase pump down efficiency and reduce fluids consumption.

Features

- Fully dissolvable
- High expansion for high pass-thru applications
- Increases pump down efficiency when equipped with SMART-FIN WLAK
- Pressure rating up to 10,000 psi
- Suitable for low – high temperature applications 104°F (40°C) ~ 302°F (150°C)
- Customizable ROD (Rate of Dissolution)
- Compatible with VVANISH dissolvable frac ball
- Running with Baker#10 wireline or hydraulic setting tools
- Robust anti-preset design minimizes premature setting



Specifications

No.	Plug OD (In)	Max Casing ID (In)	Pressure Rating* (psi)	Plug Expansion Rate
1	3.189	3.92	7,000	22.92%
2	3.543	4.548	7,000	28.37%
3	3.858	4.67	7,000	21.05%
4	4.055	4.778	10,000	17.83%

NOTE: * Pressure rating is tested and rated in max casing ID.

** Casing grade up to V140.