

SILVER ARROW™

Dissolvable Frac Plug



The Silver Arrow™ dissolvable frac plug is used for zonal isolation in multi-stage vertical and horizontal Plug and Perf completions. The plug is rated to 10,000 psi at different downhole temperatures. They plug uses our patented design and proprietary dissolvable rubber and metal, which enable customized design per downhole conditions such as temperature, salinity and fracturing parameters. This fully dissolvable plug helps eliminate the risk and cost associated with conventional plug removal and upon complete dissolution, provides an entire wellbore ID for future operations. The reliability of the plug has been proven in the field.



APPLICATIONS

- Zonal isolation during multistage stimulation
- Vertical, deviated or horizontal wellbores

FEATURES & BENEFITS

- Wide temperature ranges from 122 Deg.F to 275 Deg.F
- Fully qualified with respect to pressure, temperature, dissolving and flow dynamics by independent Third Party test facilities
- High pump rates allowed due to the compact and robust design
- Rubber dissolves in water into powder instead of jelly shape
- Robust slip design to set in L80, P110, Q125 and higher grade casing
- Large ID to assist immediate flowback and well cleanup
- Multiple dissolving capability plugs can be selected for each size/design
- Designed, manufactured, assembled and tested per API standard
- High reliability proven by over 1000 plugs used in multiple wells



Dissolving with time (from 0 day to 8 days) tested in 176F 1% KCL



SPECIFICATION

Casing Size inch (mm)	Casing Weight lb/ft	OD inch (mm)	ID inch (mm)	Length inch (mm)	Pressure psi (MPa)	Temperature Deg.F
4.5 (114.3)	13.5	3.50(89)	1.5(38)	8(200)	10,000(69)	Low: 122~176 Medium:176~250 High:250~300
5 (127)	18	3.74(95)	1.5(38)	9.1(231)	10,000(69)	
5 (127)	21.4	3.66(93)	1.38(35)	14.5(368)	10,000(69)	
5.5 (139.7)	26.8	3.86(98)	1.2(30)	16.8(427)	10,000(69)	
5.5 (139.7)	17-23	4.38(111)	1.5(38)	14(356)	10,000(69)	