

6³/₄-in. 18-SPF MaxForce® Flow System

The increased flow area of the 6³/₄-in. 18-SPF MaxForce® Flow System enhances both conventional and flux-based completion approaches. Maximizing the flow area reduces the pressure drop across the perforations and the effective force on the individual sand grains, resulting in fewer screen washouts and less potential for sand production. All of this is achieved without sacrificing fishing ability in heavy wall casings.

Benefits

- High-pressure rating suited for deep water
- High-shot density with maximum phasing delivers a high-flow area of 14.7 sq. in./ft
- Reduces risk of screen washout by reducing pressure drawdown and flow rate per perforation
- Reduces risk of sanding production due to drag from fluid or gas turbulence
- Shot phasing that limits stress contrast, which helps prevent tunnel-to-tunnel stress failures
- Maximized gun size with fishing ability in heavier wall casings

Applications

- Provides an effective perforation solution focused on:
 - Deep water
 - Sand control completions
 - Stimulation completions
 - Natural completions
- Can eliminate potential costs associated with sand production without mechanical segregation techniques



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6¾-in. 18-SPF MaxForce® Flow System Specifications**System Test - API Section 1: 9 5/8-in. 47-lb L-80 Casing**

Flow Area	14.7 sq. in./ft
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Casing Hole Diameter (avg.)	1.07 in.
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Total Penetration (avg.)	5.50 in.
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System Test - API Section 1: 10 1/8-in. 79.2-lb Q-125 Casing

Flow Area	8.3 sq. in.
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Casing Hole Diameter (avg.)	0.77 in.
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Total Penetration (avg.)	5.80 in.
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Mechanical

Gun Outside Diameter	6¾ in.
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Pressure Rating	25,000 psi
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Tensile Rating	814,000 lb
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Connections	Standard gun threads (pin x box)
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Shots Per Foot	18 SPF 3/Plane
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Phasing	60°/120°
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Charge**390 MaxForce Flow, HMX, BH Charges**

Explosive Load	39.0 g
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Environmental

400°F for 1 hr



For case studies or additional information, please contact your local Halliburton Business Development Representative.