

565-MaxForce-FLOW Perforating System

MAXIMIZING PERFORATING FLOW AREA IN LARGE-ID CASING STRINGS

OVERVIEW

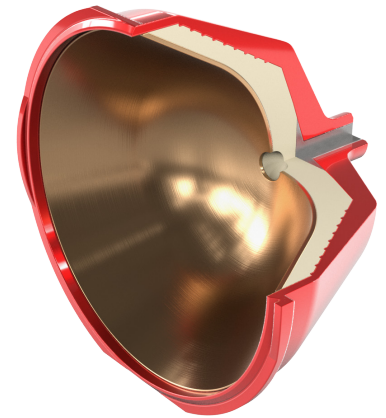
The Halliburton 565-MaxForce-FLOW perforating system provides our highest-performing big-hole solution – whether the application is reducing the pressure drop for sand control completions or maximizing casing removal and flow area for “perforate, wash, and cement (PWC)” abandonment operations.

The proprietary 565-MaxForce-FLOW shaped charge design maximizes the through hole into the formation, achieving the largest casing hole performance in the Halliburton portfolio.

For the ultimate assurance, this system is conveyed by the ultra-reliable VannGun® hollow steel carrier (HSC) gun system, which is configured to suit the application – for example, it can be rated for high pressure for deep offshore wells, or for maximum high shot density for high-efficiency plug-and-perf applications.

Gun System Properties

Gun OD (in.)	SPF	Phasing	Pressure Rating (psi)	Tensile Rating (lb)	Nominal Lengths (ft)	Charge	Post Shot Swell OD (in.)
7	15	60/120°	15,000	720,000	4, 8, 11, 16	565-Max-Force-FLOW, HMX, 56.5 gm	7.306 (fluid)
7	17	60/120°	11,000	720,000	4, 8, 11, 16		7.176 (fluid)



565-MaxForce-FLOW HMX big-hole shaped charge



Average 1.42-inch entry hole diameter (EHD) in 9 5/8-inch 47-ppf L-80 casing

Charge Performance Data

Gun OD (in.)	SPF	Charge	Explosive Type, Weight	Test Casing (in.)	Test Type	Average Hole Diameter (in.)	Flow Area (in. ² /ft)	Penetration (in.) ¹
7	15	565-Max-Force-FLOW, HMX	HMX 56.5 gm	9 5/8 (47-ppf L-80 casing)	Barrel	1.41	23.42	8
				9 5/8 (68.2-ppf C-110 casing)	Barrel	1.4	23.08	8
7	17			9 5/8 (47-ppf L-80 casing)	Barrel	1.42	26.92	8

¹Quality control (QC) test data

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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