

390 MaxForce® Perforating Shaped Charge

4 5/8-in. 5spf and 7-in. 12spf Perforating Gun Systems

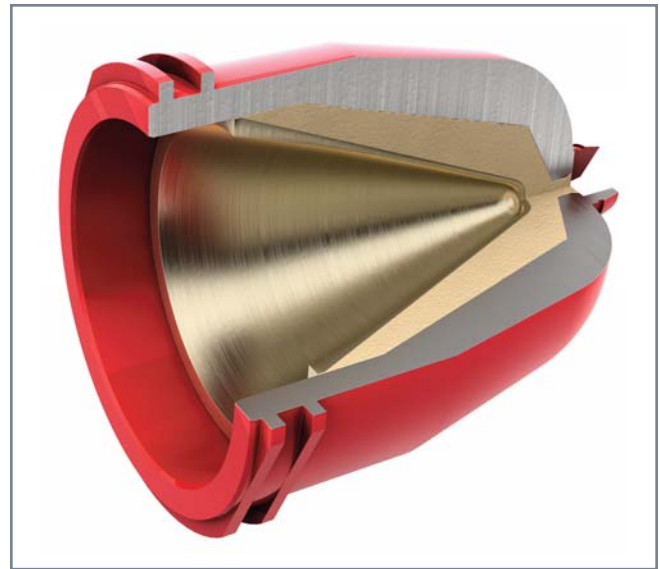
The 390 MaxForce® perforating shaped charge represents Halliburton's newest family of shaped charges, exemplifying the company's reputation for unmatched jet-perforating capabilities. MaxForce charges consistently provide superior performance for establishing reservoir connectivity for maximum production.

Operators choosing the 390 MaxForce charge will obtain the deepest-penetrating performance when selecting a 7-in. wireline- or tubing-conveyed perforating system. Halliburton uses scientific expertise and technological innovation in its shaped-charge design and manufacturing methods to achieve the industry's deepest-penetrating shaped charge on the market. Rigorous quality control processes are followed to ensure each charge operates as designed, reliably providing clean, clear, and efficient conduits for reservoir production.

MaxForce charges represent the optimum deep-penetrating shaped charge for operators who want results.

Benefits

- Provides maximum production and injection ability
- Penetrates deeper in stressed rocks
- Larger perforation tunnel volume
- Penetrates past near-wellbore damage
- Minimizes perforating-gun debris
- Provides inventory flexibility from multisystem charge



The 390 MaxForce charge is the deepest penetrating charge in its class.

Applications

- Natural well completions
- Prestimulation perforating
- Disposal and injector wells
- Well recompletion

Features

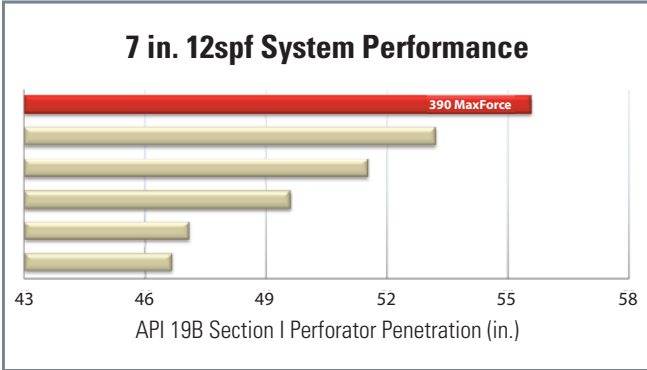
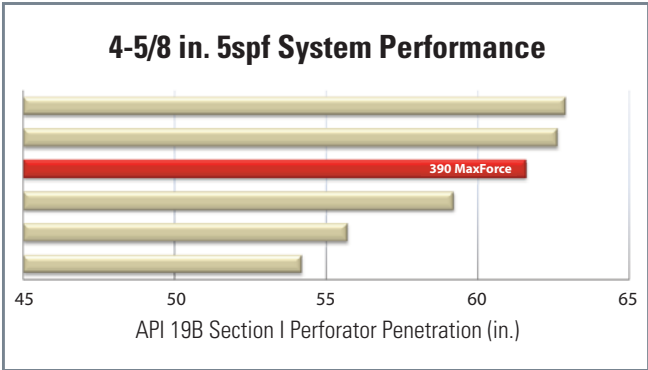
- Deepest-penetrating shaped charge for 7-in. 12spf perforating systems
- Patented Twist-Lock case for quick, easy, and accurate installation
- Proprietary design maximizes downhole performance at reservoir conditions

HAL36683

Performance Data

390 MaxForce (102054947)									
Gun Size (in.)	Shot Density spf (spm)	Phasing (degree)	JRC P/N	Charge Name	Penetration in. (cm)	Entrance Hole in. (mm)	Casing (in.)	Explosive Load (g)	Test Type
4-5/8	5 (16)	72	102054947	390 MaxForce, HMX	61.6 (156.5)	0.33 (8.4)	7	39	19B
7	12 (39)	135	102054947	390 MaxForce, HMX	55.7 (141.5)	0.32 (8.1)	9-5/8	39	19B

API 19B Section I Performance Summary of the 390 MaxForce Shaped Charge



390 MaxForce is the industry's deepest-penetrating charge for 4 5/8-in. 5spf and 7-in. 12spf perforating system.

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

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