

PERFECTA® Rock Charge Titan Division | Energetics

Hunting Titan's PERFECTA Rock Charges are engineered to deliver superior performance in stressed rock formations, providing high productivity and prolonged life span for conventional wells.

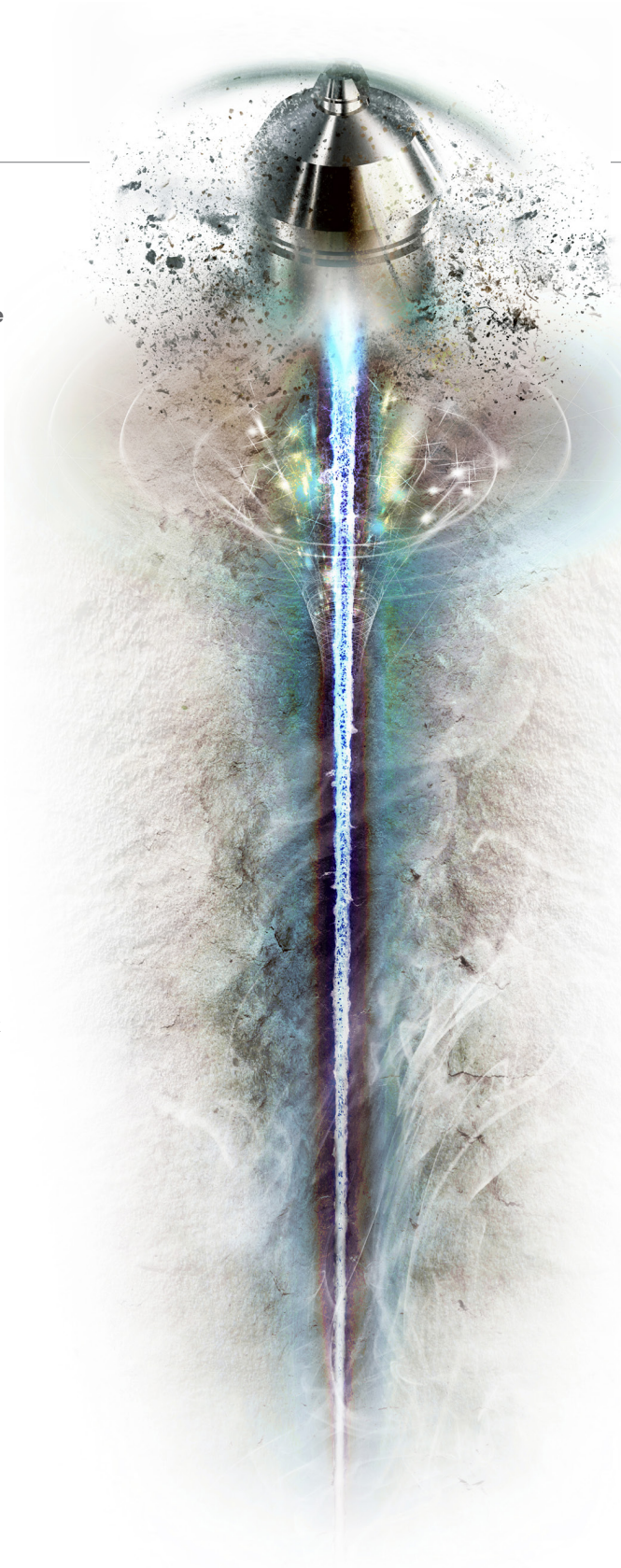
The PERFECTA Rock Charge line is a new class of HMX charge optimized for maximum penetration in stressed rock. Stressed rock testing provides more reliable penetration values that correlate to down hole formation results. PERFECTA Rock Charge performance data is acquired through rigorous stressed-rock testing, as outlined in the latest API RP 19B Section II Testing. The increased depth of penetration provided by PERFECTA Rock charges can improve well stimulation and productivity by intersecting more natural fractures, or increasing effective formation and drainage contact.

Features

- HMX charges for 2.00", 2-7/8", 3-3/8" and 4-1/2" OD guns
- Increased depth of penetration in formation rock
- API RP 19B Section II tested
- Compatible with existing wireline and TCP gun systems up to 6spf

Benefits





- Deeper formation penetration for improved stimulation treatment
- Increased reservoir connectivity and drainage for enhanced productivity
- More reliable performance data compared to previous generation charges



The PERFECTA®
Rock Charge
is designed for
stressed rock
and tested in
stressed rock!

Contact Hunting to learn how Perfecta Rock Charges can perform in your formation. Testing in reservoir specific rock is available.

Data Comparison | Confinement Pressure 5,500 psi

Gun OD (in)[mm]	Previous Gen. P/N	Pen (in)	Rock Charge P/N	Pen (in)	Improvement*
2	RTG-2107-321T	8.4	RTG-2107-422T	9.8	17% 
2-7/8	EXP-2818-321T	11.2	EXP-2818-422T	15.7	40% 
3-3/8	EXP-3326-321T	13.05	EXP-3326-422T [†]	16.0	23% 
4-1/2	EXP-4539-325T	14.42	EXP-4545-422T [†]	20.8	44% 

*Penetration improvement over previous-generation equivalent deep penetrating shaped charge

Rock Charge API Data

Gun OD (in)[mm]	Charge Part Number	Explosive Type	Explosive Weight (g)	Confinement Pressure					
				1,500 psi		5,500 psi		9,500 psi	
				Pen (in)	EH (in)	Pen (in)	EH (in)	Pen (in)	EH (in)
2	RTG-2107-422T [†]	HMX	7	9.4	0.18	9.8	0.19	5.0	0.19
2-7/8	EXP-2818-422T [†]	HMX	18	17.9	0.32	15.7	0.31	12.8	0.32
3-3/8	EXP-3326-422T [†]	HMX	26	18.8	0.44	16.0	0.43	14.4	0.43
4-1/2	EXP-4545-422T [†]	HMX	45	25.4	0.42	20.8	0.38	18.9	0.35

[†]Penetration in Berea sandstone with minimum 5700 psi uniaxial compressive strength, and 0-psi pore pressure

Further Information

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