

# Hunting HNS Energetic Products

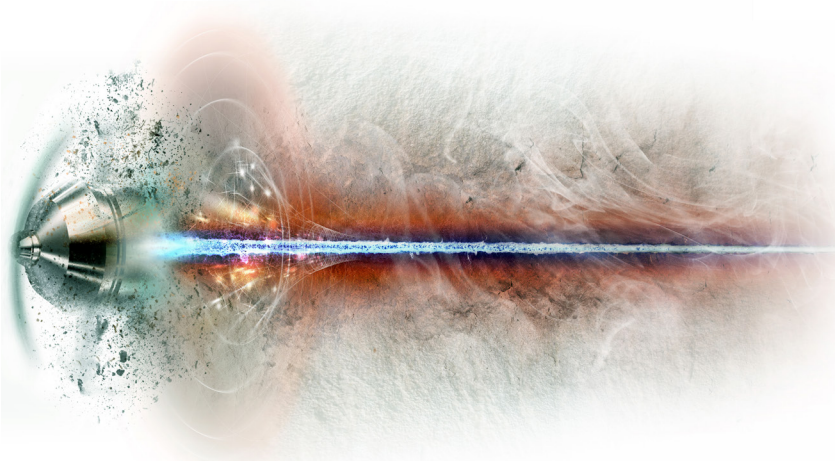
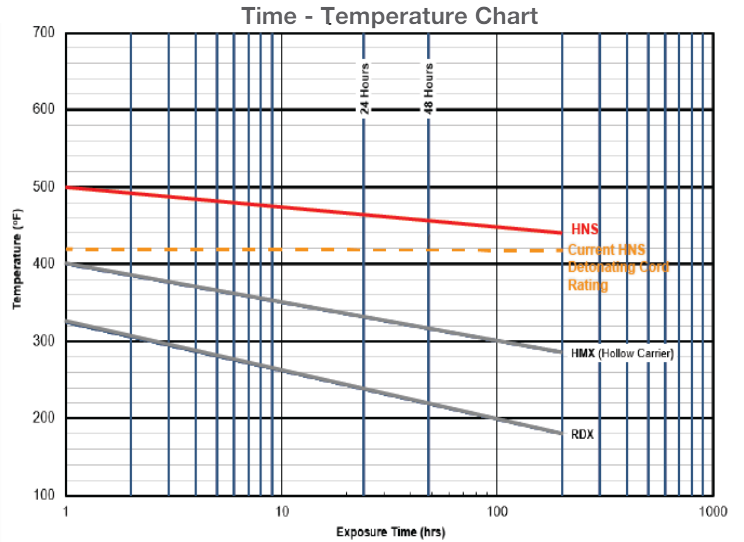
## Titan Division | Energetics

Hunting's HNS products are available immediately, designed to our customer's specification, and ready to meet operational needs around the world, now.

HNS (Hexanitrostilbene), is at the forefront of explosive technology, renowned for its exceptional thermal stability, reliability, and precision in scorching conditions. Our HNS detonating cord has been tailored to match regional temperature requirements in the field today, and our expanding line will soon offer solutions to even the hottest temperatures.

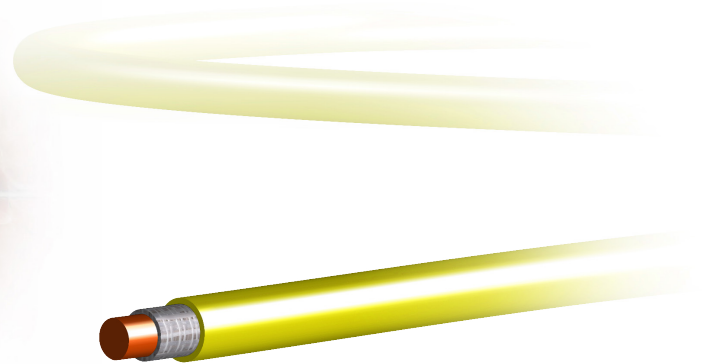
### We Offer High Temperature, HNS

- Detonating Cord
- Shaped Charges
- Bi-Directional Boosters
- Detonators
- TCP Igniters and Fuses



**Shaped Charges**

All Hunting Shaped Charges are available in HNS. See back for common part numbers.



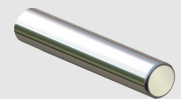
**80 Grain HNS LS Detonating Cord**  
CORD-80HNS-LS-T



**Percussion Initiator**  
DETO-INIT-072140-3



**Wired HNS Detonators**  
DETO-A161-AP



**HNS Bi-Directional Boosters**  
BOOSTER-HNS-600-T



**Percussion Igniter**  
DETO-IGNT-072170-3



**Time Delay Fuse**  
DETO-FUSE-088011-6.0

### Shaped Charges

Gun OD	Charge Part Number	Type	Exp. Type	Entry Hole*	Penetration*
2-3/4	EXP-2818-521T	SDP	HNS	0.31	27.17
3-1/8	EXP-3321-521T	SDP	HNS	0.32	33.14
3-3/8	EXP-3326-521T	SDP	HNS	0.31	37.54
4-1/2 or 4-5/8	EXP-4521-523T	SDP	HNS	0.28	26.98
4-1/2 or 4-5/8	EXP-4045-521T	SDP	HNS	0.29	45.44
7	EXP-4039-523T	SDP	HNS	0.30	37.20

Note: All Hunting Shaped Charges are available in HNS. \* Entry hole and penetration estimated from HMX API data with a 25% reduction

### Det Cord

Cord Type	Part Number	International Air Pack Part No.	Max Temp. Rating 1-48 hrs	Explosive Core Load (gr/ft)			Diameter (in)			Detonation Velocity (m/s)	Jacket Thickness (in)	Shrinkage (at 420°F)
				Nominal	Min	Max	Nominal	Min	Max			
80 Gr HNS LS*	CORD-80HNS-LS-T	CORD-80HNS-LS-AIR-T	420°F (216°C)**	80 (17.00 g/m)	75 (15.96 g/m)	0.210 (5.33mm)	0.202 (5.13mm)	0.218 (5.54mm)	6,200 (20,341 ft/s)	0.008 (0.20mm)	1%	

Temperature resistance is based upon the manufacturer's laboratory tests in air, at ambient pressure only. Shrinkage is defined in overall decrease in length.

Velocity was tested unconfined at ambient pressure. \*Must use end initiation with booster. \*\*500°F (260°C) Temperature Rating Coming Soon (2024).

### High Temperature TCP Energetics

Part Number	Description
DETO-IGNT-072170-3	HI-TEMP PERCUSSION IGNITER
DETO-INIT-072140-3	HI-TEMP PERCUSSION INITIATOR
DETO-FUSE-088011-6.0	6 MINUTE TIME DELAY

### HNS Booster

Part Number	Description
BOOSTER-HNS-600-T	HNS BI-DIRECTIONAL BOOSTER

### High Temperature Wireline Energetics

Part Number	Description
DETO-A161-AP	DETONATOR; HNS FLUID DISABLED

## Further Information

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