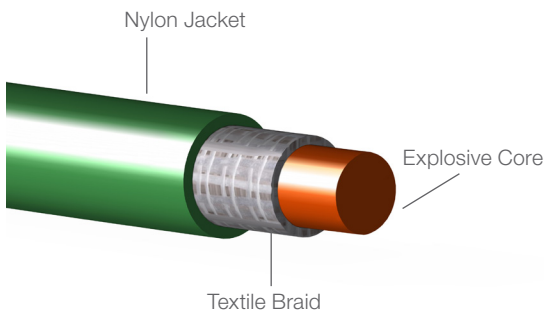
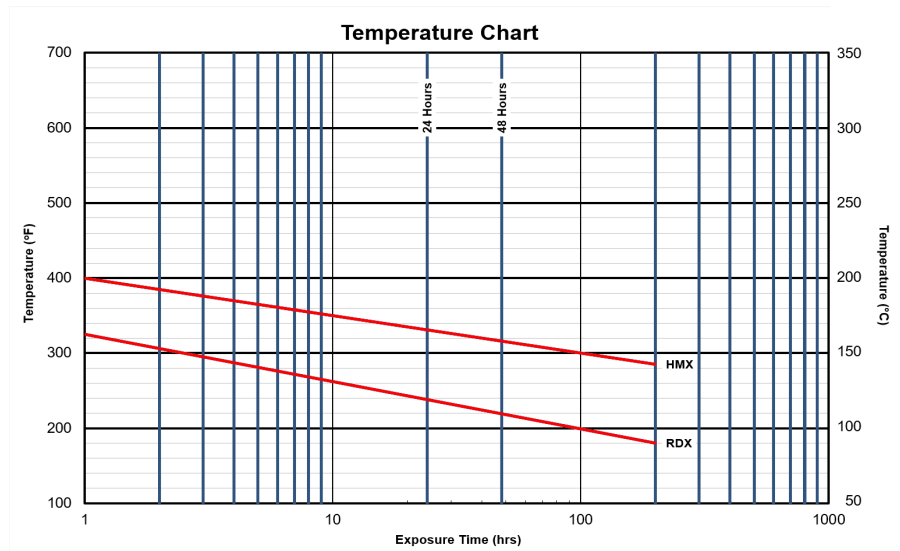


Hunting Detonating Cord

Titan Division | Energetics

Hunting Detonating Cord is designed for use in any perforating system. Both RDX and HMX products have been successfully deployed in downhole service applications within appropriate operating ranges (reference time and temperature chart). Hunting detonating cord was designed for optimal output and sensitivity to ensure reliable transfer between initiator and cord.

Time - Temperature Chart



Specs

Cord Type	Cord Color	Part Number	International Air Pack Part No.	Explosive Core Load (gr/ft)		Diameter (in)			Detonation Velocity (m/s)	Jacket Thickness (in)	Shrinkage (at 325°F)
				Nominal	Min	Nominal	Min	Max			
80 Gr RDX	Blue	CORD-80RDX-T	CORD-80RDX-AIR-T	80 (17.00 g/m)	75 (15.96 g/m)	0.210 (5.33mm)	0.202 (5.13mm)	0.218 (5.54mm)	6,800 (22,309 ft/s)	0.008 (0.20mm)	6%
80 Gr RDX LS	Blue	CORD-80RDX-LS-T	CORD-80RDX-LS-AIR-T	80 (17.00 g/m)	75 (15.96 g/m)	0.210 (5.33mm)	0.202 (5.13mm)	0.218 (5.54mm)	6,800 (22,309 ft/s)	0.008 (0.20mm)	1%
80 Gr RDX LS XHV	Blue	CORD-80RDX-LS-XHV-T	CORD-80RDX-LS-XHV-AIR-T	80 (17.00 g/m)	75 (15.96 g/m)	0.210 (5.33mm)	0.202 (5.13mm)	0.218 (5.54mm)	7,500 (24,606 ft/s)	0.008 (0.20mm)	1%
80 Gr HMX LS	Green	CORD-80HMX-LS-T	CORD-80HMX-LS-AIR-T	80 (17.00 g/m)	75 (15.96 g/m)	0.210 (5.33mm)	0.202 (5.13mm)	0.218 (5.54mm)	6,800 (22,309 ft/s)	0.008 (0.20mm)	1%
80 Gr HMX LS XHV	Green	CORD-80HMX-LS-XHV-T	CORD-80HMX-LS-XHV-AIR-T	80 (17.00 g/m)	75 (15.96 g/m)	0.210 (5.33mm)	0.202 (5.13mm)	0.218 (5.54mm)	7,500 (24,606 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.

Application Recommendations

- Select detonating cord that has physical and performance characteristics consistent with correct blasting methods and the type of explosive materials being used.
- Never use detonating cord in exposed well bore conditions.
- Avoid damaging, crimping, or severing detonating cord prior to firing.
- Always cut detonating cord with sharp, single blade cord cutters to avoid pinching.
- Avoid loops, sharp kinks, or angles that direct the detonating cord back toward the oncoming line of detonation.
- Never attempt to cut detonating cord with a blow from a sharp or blunt object.
- Do not cut detonating cord with devices that produce metal-to-metal contact, such as scissors, wire cutters, crimpers, or similar instruments
- Never saw detonating cord; it may explode and kill or injure.

Transportation Storage and Handling

- For maximum shelf-life, detonating cord must be stored in cool, dry, well-ventilated place Recommended shelf life, under proper storage conditions, is 10 years from date of manufacture.
- Detonating cords must be transported, stored, handled and used in conformity with all federal, state, provincial and local laws and regulations.

Sensitivity Performance Testing

Test Type	Hunting 80g RDX	Competitor
Core Load (gr/ft)	83	86.4
Cord to Cord Output ² (Cards)	5	3
Detonator to Cord Sensitivity ³ (Cards)	4	4

¹Velocity of Detonation was performed at ambient temperature and unconfined. The value is based on the average of 3 tests.

²Cord to Cord Output is performed by detonating one piece of cord and seeing the number of cards it can transfer through to a second piece of cord. This is used to measure sensitivity and output.

³Detonator to Cord transfer is performed by setting off a detonator and seeing the number of cards it can transfer through to detonate a piece of cord. This is used to measure sensitivity.

Bi-Directional Boosters

Product Name	Part Number	Explosives			Diameter (mm)	Height (mm)	Total Mass (g)
		Type	Mass (g)	Temperature (°F) [°C]			
Booster, HMX Bi-Directional	BOOSTER-HMX-600-T	HMX	0.6	(399.2) [204]	7.62	36.8	1
Bi-Directional Booster W/ 0.33G HNS	BOOSTER-HNS-600-T	HNS	0.33	(500) [260]	7.62	36.8	0.69

Further Information

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