

PRODUCT DATA SHEET**ShockStar LP Detonators**

ShockStar long period detonator products include LP In-Hole Delays and Dual-Delay Detonators.

ShockStar LP In-Hole Delays are available in a sequence of 26 whole number periods from instantaneous (0 ms) to 9600 ms. LP delay sequence is appropriate for applications such as tunneling and shaft or raise mining where long delays are required between holes to allow for movement of broken rock. They are designed to be used as down-hole detonators for the initiation of cast boosters, high explosives or pneumatically loaded ANFO. In-Hole delays come equipped with a T-Connector for compatibility with detonating cord initiation.

ShockStar LP Dual-Delays with the 200/5000 ms configuration are designed to allow the efficiency of dual-delay detonators to be used in LP delay applications. They achieve high inventory efficiency by replacing an entire series of delay detonators with a single product. Dual-Delays are equipped with the patented eight tube capacity Quick-Relay Connector with a white colored end cap for better visibility in low light workplaces.

- ✓ 750 mg base charge of PETN to ensure strong initiation energy under even the most extreme conditions (in-hole detonator only).
- ✓ Delay composition encased in a steel jacket to prevent performance loss due to transient pressure from nearby detonating holes.
- ✓ Delay time quality controls to ensure greater than 99% probability of in-sequence initiation.
- ✓ Equipped with a tear-proof color-coded delay tag that lists delay time, delay period and length of the detonator.
- ✓ Manufactured with bright yellow shock tubing for high visibility.





STANDARD SEQUENCES AND PACKAGING

ShockStar LP In-Hole Delays													
Period #	0	1	2	3	4	5	6	7	8	9	10	11	12
Delay, ms	0	200	400	600	800	1000	1200	1400	1600	1800	2000	2500	3000
ShockStar LP In-Hole Delays (continued)													
Period #	13	14	15	16	17	18	19	20	21	22	23	24	25
Delay, ms	3500	4000	4500	5000	5500	6000	6500	7000	7500	8000	8500	9000	9600

ShockStar Long Period Detonator Packaging		
Length		Case Count
[ft]	[m]	
16	4.9	120
20	6.0	120
24	7.3	80

TRANSPORTATION AND STORAGE

ShockStar LP In-Hole Detonators are classified as Packing Group 2. The description is Detonator Assemblies, Non-Electric, UN0361, Class and Division 1.4B. Transportation, storage and handling must be in accordance with all federal, state, provincial and local regulations.

ORDERING



**NORDEX EXPLOSIVES LTD
LES EXPLOSIFS NORDEX LTEE**

Nordex Explosives Ltd.
 P.O. Box 790
 Kirkland Lake, ON Canada
 P2N 3K4
 Phone: 705-642-3265
 Fax: 705-645-3266
 Web: www.nordexplosives.com
 Email: nordex@ntl.sympatico.ca

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