Shock★Star ® Dual-Delays

PRODUCT INFORMATION BROCHURE

Shock★Star Dual-Delays combine In-Hole Delays and Quick-Relay Connectors in one product. This combination offers convenience for storage and inventorying of one product instead of two and often reduces space requirements for transportation. Connecting of blast patterns is generally faster with Dual-Delays as fewer connections are required in total. Additionally, fewer individual products used in the blast pattern reduces clutter at connection points and makes visual inspections easier. For millisecond delay blasting, Dual-Delays are available in a variety of delay configurations.

ADVANTAGES

- 900 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 zinc jacket to prevent performance loss due to transient pressure from nearby detonating holes.
- Equipped with a tear-proof color-coded delay tag that lists DSC, delay time, delay period and length of the detonator.
- Manufactured with bright yellow shock tube for high visibility.
- Surface connector has eight tube capacity and is color-coded to surface delay time.

STANDARD TECHNICAL DESCRIPTION

Non-electric, millisecond delay detonators

AUSTIN POWDER

Austin Powder Company, 25800 Science Park Drive
Phone: 1-800-321-0752| Fax: 1-216-464-4418 | Email: info@austinpowder.com | www.austinpowder.com

Shock★Star Dual-Delays

STANDARD PACKAGING DETAILS

Dual-Delay Detonators (DDD)

Length (ft)	Length (m)	Coil Style	Quantity	NEQ Grams
12	3.7	Fast 8	70	105
16	4.9	Fast 8	70	105
20	6.1	Fast 8	60	90
24	7.3	Fast 8	60	90
30	9.2	Fast 8	50	75
40	12.2	Fast 8	50	75
50	15.3	Fast 8	40	60
60	18.3	Fast 8	30	45
80	24.4	Fast 8 X	30	45
100	30.5	Fast 8 X	20	30
120	36.6	Fast 8 X	20	30
140	42.7	Fast 8 X	20	30
160	48.8	Spool	8	12
225	68.6	Spool	8	12

Available Delay Configurations

17/350	25/350	42/350
17/375	25/375	42/375
17/450	25/450	42/450
17/475	25/475	42/475
17/500	25/500	42/500
17/700	25/700	42/700
Long Period (LP) – 200/5000		

STORAGE

Store in accordance with all applicable local, state, provincial and federal laws.

SHELF LIFE

For optimum accuracy, use within three years from date of manufacture under good storage conditions.

TRANSPORTATION DATA

UN CLASSIFICATION

Shipping Name: Detonators Assemblies, Non-Electric
Class & Division: 1.4B
ID Number: UN 0361

US DOT REFERENCE NUMBER

EX-2012070728
EX-2012081112

Disclaimer of Warranties and Limitations of Liabilities: Products described in this bulletin are sold by Austin Powder Company without warranty; express, implied or statutory or as to MERCHANTABILITY, except as expressly stated in Austin Powder's straight bill of lading. Under no circumstances shall seller be liable for loss of anticipated profits, consequential damages or incidental damages.

© 2020 Austin Powder Company. All rights reserved.

For more information and service locations in your area, please contact Austin Powder Company's headquarters:

AUSTIN POWDER

Austin Powder Company, 25800 Science Park Drive
Phone: 1-800-321-0752| Fax: 1-216-464-4418 | Email: info@austinpowder.com | www.austinpowder.com

1/2/02 | r 01/31/2020