

## NERA ShockStar DUAL DELAY | DETONATOR

SHOCKSTAR DUAL DELAY Detonators combine in-hole delay detonators and surface connectors in one product. This combination offers convenience for storage and inventory management of one product instead of two and often reduces space requirements for transportation. Connecting of blast patterns is faster with SHOCKSTAR DUAL DELAY s as fewer connections are required in total. As fewer individual products are used in the blast pattern clutter at connection points is reduced and visual inspections is easier.



### Benefits:

- 720 mg base charge.
- Manufactured with bright yellow shock tube for high visibility.
- Surface connector has 8 Shock Tube capacity and is colour coded to surface delay time.
- Protected primary explosive charge.

PROPERTIES   DELAY SEQUENCE		
	SHOCKSTAR DUAL DELAY	
	SHOCKSTAR SURFACE	SHOCKSTAR MS or TS
Nominal delay times (ms)	0	800
	17	475, 500
	25	300, 475, 500
	42, 67	475, 500, 9000
	100, 200	9,000

## STANDARD TECHNICAL DESCRIPTION

### DETONATOR

Detonator shell material	Aluminium
Base charge	720 mg / 110 mg
Water pressure resistance	0.3 MPa / 7 days
Temperature range for application	from -30 °C to +60 °C
Shelf life (storage conditions)	2 years (-30 °C to +40 °C, R.H. max. 65%) in original, sealed package
Label marking	Delay #, Detonator type, Delay ms, ST length, Data matrix code (traceability)
Notified body	CE 0589

### SHOCK TUBE

Velocity of detonation	2,000 ± 100 m/s
Colour	Yellow

## STANDARD PACKAGING DETAILS

Shock tube length (m)	Packaging 1.1B UN 0360			Packaging 1.4S UN 0500		
	Units / Bag	No. of Bags	Units / Box	Units / Bag	No. of Bags	Units / Box
6	10	8	80	10	5	50
9	10	6	60	10	4	40
12	5	9	45	10	3	30
15	5	7	35	5	5	25
18	5	6	30	5	4	20
21	5	5	25	5	4	20
24	5	5	25	4	4	16
27	5	5	25	5	3	15
30	5	5	25	3	4	12