



# PRODUCT INFORMATION

## BROCHURE

# SHOCK★STAR SURFACE



**Shock★Star Surface** connectors are especially designed for the initiation of other Shock Tube detonators and to introduce a delay between holes.

The connector block is designed to ensure reliable connections in two positions: unlocked position for normal working conditions and locked position for most demanding working conditions with a risk of disconnection (e.g. under heavy mats).

Shock★Star Surface connectors are equipped with connector blocks able to contain 8 outgoing Shock Tubes. The connectors have a lowered base charge to reduce noise levels and eliminate shrapnel cut-off concerns.

Shock★Star Surface detonator can also be used for blast initiation. It is produced in lengths of 400, 600 and 800 m and is supplied on spools. Shock★Star Surface connectors must not be used for initiation of detonating cord.

## PRODUCT OVERVIEW

### DELAY SEQUENCE

Range of delays consists of 9 delay periods:



0 ms   9 ms   17 ms   25 ms   33 ms   42 ms   67 ms   100 ms   200 ms

### BENEFITS

- Easy Shock Tube connection, locking mechanism to ensure locking of the tubes in the block if needed. Capacity of 8 Shock Tubes.
- Color coding according to the delay time of the detonator.
- Excellent delay time accuracy ensures greater than 99% probability of in-sequence initiation.
- Manufactured with red shock tubing for easy differentiation from in-hole detonators when inspecting the connected blast pattern.
- High impact protection.

## STANDARD TECHNICAL DESCRIPTION

Detonator	
Detonator shell material	Aluminum
Base charge	120 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
Color	Red

## STANDARD PACKAGING DETAILS

Shock Tube length (m)	Packaging 1.4S UN 0500		
	Units / Bag	No. of Bags	Units / Box
3.6	10	10	100
4.8	10	9	90
6.0	10	8	80
9	10	6	60
12	5	9	45
15	5	7	35
21	5	5	25
30	5	5	25

Shock★Star Surface detonators are packaged in cardboard carton of outer dimension 390x235x295 mm.  
Other lengths are possible on demand.

Contact your local Austin Powder representative for further information.

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