ShockStar Dual Delay

PRODUCT INFORMATION BROCHURE

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 DELAYs 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, 9,000
	100, 200	9,000

Austin Detonator s.r.o., Jasenice 712, 755 01 Vsetín, Czech Republic
Tel: +420571404 001 - Fax: +420571404 002 - marketing.info@austin.cz

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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

SHOCKSTAR DUAL DELAY detonators are packaged in cardboard carton of outer dimension 385x235x282 mm. Packaging 1.4B UN 0361, other lengths of shock tube and delay combinations are possible on demand.

Contact your local Austin Powder International representative for further information.

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Austin Detonator s.r.o., Jasenice 712, 755 01 Vsetín, Czech Republic
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