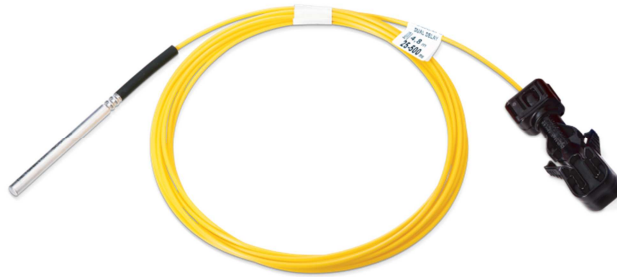


ShockStar Dual Delay

PRODUCT INFORMATION BROCHURE

SHOCKSTAR DUAL DELAY detonators combine in-hole SHOCKSTAR TS detonator (9,000 ms delay) and SHOCKSTAR SURFACE connector (100 ms delay).

Connection of the detonators in series allows reducing the amount of explosive per one delay time and consequently reducing the blast vibrations.




BENEFITS

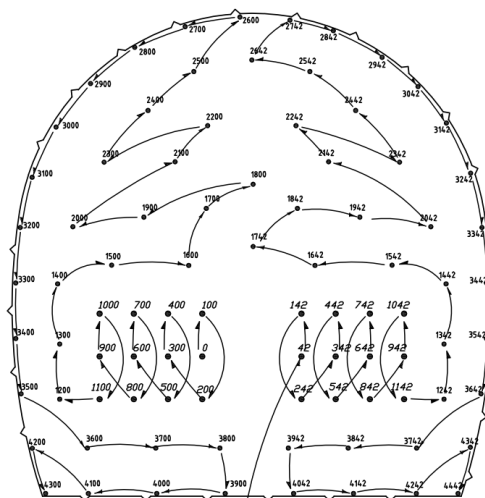
- 720 mg base charge.
- Manufactured with bright yellow shock tube for high visibility.
- Better control of blast vibration.
- High impact protection.

PROPERTIES

Delay sequence

SHOCKSTAR DUAL DELAY		
	SHOCKSTAR SURFACE	SHOCKSTAR TS
Nominal delay time (ms)	 100	9,000

Other timing combinations are possible on demand.



Blast timing design proposal



AUSTIN POWDER

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ShockStar Dual Delay

PRODUCT INFORMATION BROCHURE

STANDARD TECHNICAL DESCRIPTION

DETONATOR	
Detonator shell material	Aluminum
Base charge	720 mg / 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	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

SHOCKSTAR DUAL DELAY detonators are packaged in cardboard carton of outer dimension 390x235x295 mm. Other lengths of shock tube and delay combinations are possible on demand.

Contact your local Austin Powder representative for further information.

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