





0 ms

9 ms

17 ms

25 ms

33 ms

42 ms

67 ms

100 ms

200 ms

## ТЕХНИКИЙН СТАНДАРТ ҮЗҮҮЛЭЛТ

### Тэсэлгээний хэрэгсэл

Хонгионы гадна материал

Хөнгөн цагаан

Хөнгөн цагаан

110 мг

Даралттай усанд тэсвэртэй чанар

0.5 мПа даралтанд 7 өдөр

Ашиглах орчны температурын хязгаар

- 0 °C -аас + 0 °C

Хадгалах хугацаа болон нөхцөл

2 жил (-30 °C -аас +40 °C, харьцангуй чийгшил 65%) битүүмжилсэн савлагаатай

Шошгоны мэдээлэл

Удаашрал #, Детонаторын төрөл, Удаашрал мс, гуурсны урт, мөшгөх код

Мэдэгдэл хүргүүлсэн байгууллага

CE 0589

Нонель гуурс

Детонацийн хурд

2,000 ± 100 м/с

Гуурсны өнгө

Улаан

## СТАНДАРТ САВЛАГААНЫ МЭДЭЭЛЭЛ

Нонель гуурсны урт (м)	Савлагаа 1.4S UN 0500		
	Нэгж уутан дахь хэрэгслийн тоо	Нэгж хайрцган дахь уутны тоо	Нэгж хайрцган дахь нийт хэрэгслийн тоо
3.6	10	10	100
4.8	10	8	80
6.0	10	8	80
9	10	6	60
12	5	9	45
15	5	7	35
21	5	6	30
30	5	5	25

## MERA ShockStar SURFACE | DETONATOR

ShockStar 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:*

Үүнд:

- Unlocked position for normal working conditions
- Locked position for most demanding working conditions with a risk of disconnection (e.g. under heavy mats).

**SHOCKSTAR 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.

**SHOCKSTAR 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.

**SHOCKSTAR SURFACE** connectors must not be used for initiation of detonating cord.



### Benefits

- Easy shock tube connection, locking mechanism to ensure locking of the tubes in the block if needed. Capacity of 8 shock tubes.
- Colour 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.
- Protected primary explosive charge.

### Properties ROPERTIES

Range of delays consists of 9 delay periods.



## STANDARD TECHNICAL DESCRIPTION

### DETONATOR

Detonator shell material	Aluminium
Base charge	110 mg
Water pressure resistance	0.5 MPa / 7 days
Temperature range for application	from -50 °C to +50 °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/c
Colour	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	8	80
6.0	10	8	80
9	10	6	60
12	5	9	45
15	5	7	35
21	5	6	30
30	5	5	25