



Description

This is a detonator made up of a low power capsule (Strength 1) attached to a surface connector whose purpose is to connect the rows of a same shot in blasting in which the boreholes have been primed with *Exel™ Handidet™* or *Exel™ MS*. *Exel™ Conectadet* also comes rolled up in reels (long size) aimed at initiating blasting from the safety area.

Exel™ Conectadet non-electric detonators have 4 main components:

- Low-power capsule (Force 1) assembled in the interior of a surface connector.
- Yellow shock tube, which conveys the signal to the delay capsule. When the tube is initiated, it transmits through the interior a low-energy shock wave, which initiates the delays inside the capsule.
- Label, element that indicates the delay time and detonator length.
- J connector, which allows connection between the detonating cord and the non-electric tube, if required.

Application

Exel™ Conectadet is used mainly in open pit blasts.

The product is designed to initiate non-electric tubes and among its benefits are:

- Higher safety in the operation thanks to the great resistance the non-electric tube has.
- Greater control of the blasting due to low dispersion.
- Safe and easy to use product.
- Easy and quick verification of the connection.
- It reduces inventories in magazines.
- Fit to be used in blasting close to populated sites due to the low level of noise they generate.

Recommendations for use

- Do not stretch, twist or apply undue stress to the non-electric tube, they could cause malfunctioning.
- Do not cut the tube; humidity might penetrate the tube if cut and inhibit initiation.
- Use the oldest products stored in the magazine.
- Appropriate storing pursuant to explosives and magazine regulations.
- This product may be used in abrasive and high-humidity environments.

Technical properties

Exel™ Conectadet detonators are available in the following timings:

Nominal Time	Label
0	Pink
9	Green
17	Yellow
25	Red
35	Black
42	White
50	Orange
65	Violet
100	Black
130	Blue
150	Blue
200	Blue

Storing and handling

Product classification

Authorised Name: *Exel™ Conectadet*
 Shipping Name: Set of non-electric detonators for blasting.
 UN No. 0360 / 0361
 Class Code 1.1B / 1.4B

Packaging

These products are available in the lengths and quantity per box as follows:

Length		Unit/box 1.1B	Unit/box 1.4B
Meters	Feet		
3,6	12	200	90
4,2	14	180	90
4,8	16	150	90
6,1	20	120	90
7,3	24	100	90
9,2	30	80	80
10,3	34	80	80
12,2	40	60	60
15,2	50	50	40
18,2	60	40	40
24,0	80	35	35
30,4	100	25	20
40	132	15	15
50	164	15	15
100	328	12	12
200	656	6	6
500	1.640	2	2
750	2.460	2	2
1.000	3.280	2	2

Storing

Store in authorized magazine at moderate temperature, low humidity and appropriate ventilation. The manufacturer guarantees the quality of the product for a two-year period if stored in appropriate conditions.

Disposal

Disposal of explosives materials can be hazardous. Methods for safe disposal of explosives may vary depending on the user's situation. Please contact a local Orica representative for information on safe practices.

Safety

- *Exel™ Conectadet* should not be used to initiate detonating cords.
- The detonator and the non-electric tube must be protected against the impact of rocks.
- The product should not be used if electrical storms occur during the surface loading.
- The non-electric tube, main component of the *Exel™ Conectadet* detonator, provides a great level of safety against initiation caused by static electricity and RF transmissions.
- The product should not be handled close to fire, inflammable fluids or high explosives.
- The product should be only be handled by qualified and authorized personnel who have received training in the handling of explosives.
- The signal at the interior of the non-electric tube is able to move, without affecting any explosive agent or other accessory with which is in direct contact.

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