



EXEL™ NEO

LEAD-FREE NON-ELECTRIC DETONATOR RANGE

Neo is Orica's brand for environmentally friendly, sustainable initiation systems products. The Neo range of Exel™ non-electric detonators is manufactured using a lead-free formulation in Gyttorp, Sweden.

Exel™ Neo detonators use the Non Primary Explosives Detonator (NPED) technology and are therefore free of lead azide and any other lead compounds in the pyrotechnic delay compositions or within the detonator.

Products from the Exel™ Neo range are suitable for use with Orica Pentex™ boosters and Senatel™ packaged explosives.

PRODUCT	APPLICATION	
Exel™ MS (Millisecond)	A series of high strength non-electric detonators with millisecond delay times. Suitable for use in surface mining, quarrying and underground operations.	
Exel™ LP (Long Period)	A series of high strength non-electric detonators with Long Period delay intervals between sequential firing times. Suitable for underground development blasting.	
Exel™ Connectadet™ SL	Signal tube surface detonators designed to control the millisecond delay timing between holes on a blast pattern, with colour-coded blocks for easy identification	
Exel™ Handidet™ SL	Combines in-hole and surface delay detonators for fast and simple hookup	



EXEL™ NEO CUSTOMER BENEFITS



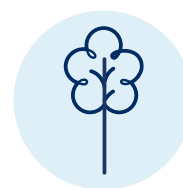
High safety standards



Lead-free initiation



Consistent and reliable performance



Removing lead from the environment

MANUFACTURE

- Safer to manufacture as no primary explosive is used
- Lead and lead compounds have been eliminated from the product and in the production process
- Reduced health hazard for people working in manufacture and production

TRANSPORT AND STORAGE

- Less sensitive to mechanical impact
- Reduced risk of mass detonation

ENVIRONMENT

- No lead or lead oxides released into the environment
- No accumulation of toxic substances in the environment
- Manufactured close to customer base in Europe, thus reducing environmental impact
- Does not contain any Substances of Very High Concern (SVHC) according to the European REACH regulation

APPLICATION

- Highest dynamic shock resistance
- Less sensitive to mechanical impact therefore reduces handling risks due to NPED technology
- Reliable initiation of explosives
- Accurate delay times for improving blast results
- High quality three-layer shocktube: abrasion resistant, high tensile strength and elongation
- Flexible shock tube, easy to deploy with little memory effect
- Reduced risk of unintended initiation of explosives when digging into unknown misfires due to mechanical impact on detonator

UPGRADED PRODUCT RANGE

- Exel™ LP
- Exel™ MS
- Exel™ Connectadet™ SL
- Exel™ Handidet™ SL

Towards
NetZero
Emissions by 2050

To learn more about Exel™ Neo range and how it can support your operations, contact your local Orica representative or visit [orica.com/ExelNeo](https://www.ora.com/ExelNeo)

Orica does not use lead or lead compounds in its manufacturing or production processes in Sweden and takes steps to seek assurances from its suppliers

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