

Osx™ 8 L

Orica Seismic Explosive 8 L Series with Degradation Technology

The Osx™ 8 L series provides the geophysical industry with a high performance explosive coupled with Orica's patented degradation technology. The degradation system is based on synthetic chemical technology that doesn't contain microorganisms. The technology works by selectively breaking down the molecular explosives contained in the product.



The Osx™ 8 L series was developed by leveraging Orica's Research and Development team's proprietary blast modeling software, blasting physics expertise and extensive in field testing conducted with our industry partners. Osx™ 8 L explosives have been designed to provide a reliable, consistent high-energy source for geophysical exploration.

The Osx™ 8 L series is the latest addition to Orica's geophysical industry product portfolio, which includes Oseis™ electronic detonators and Orica survey/drill/load/shoot project management software. Add these products to our onsite technical support team and the potential complications associated with misfires and abandoned charges are reduced.

Contact your Orica Seismic Representative to unlock your full project potential.

Performance

Average Velocity of Detonation	24,490 ft./s (7464 m/s)
Gas Generation*	630 l/kg.
Energy*	6.19 MJ/kg.
Detonation Pressure*	238 K bar
Density	1.7 g/cc nominal
Hazardous Shipping Description	Boosters Without Detonators 1.1D UN 0042

*Gas Generation, Energy and Detonation Pressure are calculated using IdeX, Orica's computer model with a 100 MPa. cutoff pressure.

Packaging

Cartridge Size lbs. / kg.	Nominal Dia. Inches / mm	Cartridges per case	Case Dimensions Inches / cm	
1.1 / 0.5	2.25 / 57	40	15.0 x 12.6 x 9.8	38.1 x 32.0 x 24.9
2.2 / 1.0	2.25 / 57	20	15.0 x 12.6 x 9.8	38.1 x 32.0 x 24.9
4.4 / 2.0	2.25 / 57	10	25.5 x 12.7 x 4.7	64.8 x 32.3 x 11.9
5.5 / 2.5	2.25 / 57	8	30.5 x 10.0 x 4.7	77.5 x 25.4 x 11.9

Orica has patented enzyme remediation technology, which has been demonstrated to deplete molecular explosive concentration in solutions. This catalytic transformation process relies on the chemical interaction with enzymes, which can only be sustained in the appropriate water based environmental conditions. The presence of these conditions cannot be predicted nor controlled by Orica therefore Orica makes no claim as to the effectiveness or extent of the remediation process. The information contained herein is based on experience and is believed to be accurate and up to date as at the date of its preparation. However, uses and conditions of use are not within the manufacturer's control and users should determine the suitability of such products and methods of use for their purposes. Neither the manufacturer nor the seller makes any warranty of any kind, express or implied, statutory or otherwise, except that the products described herein shall conform to the manufacturer's or seller's specifications. The manufacturer and the seller expressly disclaim all other warranties, INCLUDING, WITHOUT LIMITATION, WARRANTIES CONCERNING MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Under no circumstances shall the manufacturer or the seller be liable for indirect, special, consequential, or incidental damages including, without limitation, damages for lost or anticipated profits.

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