



Bulk MAGNAFRAC™ EMULSION Booster Sensitive Emulsion Explosive



All BXL delivery units are manufactured in Calgary, AB. by Lynx Manufacturing Ltd., an associate company of Explosives Limited

Uses:	<ul style="list-style-type: none">• Surface and open pit mines• Large quarries• Wet or dry boreholes greater than 127mm (5") in diameter
Features/Benefits:	<ul style="list-style-type: none">• Labour saving• Water resistant• Flexible• Safe• Reliable• Good sleep time in boreholes• Potential for pattern expansion

Properties:	MAGNAFRAC	9000	8970
	Percent ANFO / Emulsion	0 / 100	30 / 70
	Average borehole density (g/cc)	1.20 – 1.25	1.20 – 1.25
	Velocity of Detonation (m/s) ¹	5500	5000
	Relative Weight Strength (RWS) ²	80	87
	Relative Bulk Strength (RBS) ²	114 – 119	124 - 129
	Water Resistance ³	Excellent	Very Good
	Minimum hole Diameter (mm)	127	127
	<p>1. Approximate Velocity of Detonation in 311mm (12 ¼") diameter boreholes</p> <p>2. All Orica explosives energy values (Relative Weight Strength and Relative Bulk Strength) are calculated using IDeX™, the computer code developed by Orica for the exclusive use of its companies. Other computer codes may give different values. These values are calculated from laboratory data, they do not take into account the more ideal detonation reaction provided by emulsion explosives relative to ANFO which has been proven by field performance.</p>		
Delivery:	<ul style="list-style-type: none"> • Pumped directly into boreholes from bulk delivery trucks. • Typical truck capacities: 12 – 15 tonnes. • Emulsion can be made in either an on-site or regional plant 		
Loading:	<ul style="list-style-type: none"> • MAGNAFRAC is more water resistant, has higher velocity of detonation and higher bulk strengths than ANFO. Therefore MAGNAFRAC can be used in a wider range of conditions and does not require holes to be dewatered. • ORICA Canada Inc. technical staff and distributor personnel are available to work with customers to design the optimum load tailored to mine conditions. 		
Priming/Initiation:	<ul style="list-style-type: none"> • Use a bottom primer consisting of a PENTEX 16 cast booster and a XT X332 or XT X375 Nonelectric Delay Detonator Assembly • A second primer should be used if explosive column length exceeds 10m or if adverse borehole conditions are encountered 		
Storage/Handing:	<ul style="list-style-type: none"> • Heated and insulated storage tanks are supplied for use in cold weather conditions. 		
Transportation:	UN Classification: MAGNAFRAC 9000 and 8970 are Booster Sensitive Explosives, Blasting, Type E, Class and Division 1.5D, UN 0332		
Notes:	MAGNAFRAC is a registered trade mark of Nobel's Explosives Company Limited, used under license by Orica Canada Inc.		