



# Blasting - Gauge & Strap

## Depth Gauge

Developed for seismographic measuring, these tough fiberglass tapes are used by a variety of industries to measure depth. Attach any weight to the snap ring and lower to measure depth. The depth gauges are incredibly durable, flexible and lightweight with graduations printed on both sides.



### FEATURES

- Numbers are graduated from the weighted end of the tape strap.
- Tough, flexible and lightweight with graduations printed on both sides.
- White with black and red markings.
- Coating: Clear Coat.
- Tensile Strength: 100kg / 200 lbs.

PART NUMBER	LENGTH	WIDTH	UNITS	BLADE MATERIAL
47-DG15M	15 m	1/4 in.	m, dm, cm	fiberglass
47-DG30M	30 m	1/4 in.	m, dm, cm	fiberglass

### Accessories

PART NUMBER	DESCRIPTION
47-3508	Lead weight, 8 OZ tear drop

## Strapping

- **Multiple Uses** - Bundling, bailing, securing loads, anchoring, etc. Polywoven strapping can be used to replace steel and wire strapping in many applications.
- **Safe** - Safe to vehicles, machinery and/or product. Safe to handle. No protective clothing necessary; no sharp edges or splinters. No potential hazards involving off-cuts. No danger of injury when cutting strapping under tension.
- **Cost Efficient** - Requires no expensive machinery. Reusable, therefore reducing waste. Machinery repair costs eliminated. Save on labour.
- **Easy Handling** - Light and easy to handle. Easily disposed.
- **Recovery** - Elongation is approximately 8% and has a 90% recovery. Strapping expands and contracts while maintaining its tension on the bundle. If a bundle is dropped, the strapping will not break due to its flexibility.
- **Resistant to** - Ultraviolet rays...Acids...High and low temperatures... Water...Rust—thereby leaving no marks on product.
- **Tensioning** - Hand-held tool and wire buckles produce tensioning. Complete line of strapping tools for different requirements. Tool repair service available



Strapping			
Product Number	Size	Minimum Break Strength	Foot per Coil
STR-40PBS	1/2"	660 lbs	1,500'
10650	1/2"	1,047 lbs	1,500'

Buckles and Tools		
Product Number	Size	Description
10001	1/2"	C4 Buckle (1000 bx) plain
10310		Heavy duty tensioner for straps up to 1 1/2" (38 mm).



# Blasting - Wire and Hangers

## Blasting Wire

Our industry standard blasting wires and cables are available in a wide range of constructions, sizes, colors, and lengths, all customized to fit any particular use.

These wires are designed, engineered, produced, packaged and shipped to fill the needs of all electric and electronic blasting systems.



Technical Information				Insulation	
Copper Conductor					
AWG	Diameter		Resistance		
	(in)	(mm)	(Ω/km)	(Ω/kft)	(mΩ/m)
14	0.0641	1.628	8.286	2.525	
16	0.0508	1.291	13.17	4.016	
18	0.0403	1.024	20.95	6.385	
19	0.0359	0.912	26.42	8.051	
20	0.032	0.812	33.31	10.15	
22	0.0253	0.644	52.96	16.14	
23.5	0.0236	0.600	66.79	20.36	
24	0.0201	0.511	84.22	25.67	
26	0.0159	0.405	133.9	40.81	

- PVC - lower cost and higher flexibility. Lower abrasion resistance and elongation. Temperature tolerance: -2°C to 60°C.
- HDPE\* - more resistant to abrasion and stable dielectric constant over all frequencies. Temperature tolerance: -20°C to 80°C.
- PP\* - highly resistant to abrasion and higher elongation. Temperature tolerance: -20°C to 80°C.
- MDPE\* - medium resistance to abrasion and fair elongation. Temperature tolerance: -20°C to 80°C.

\* Anti-static additives available

- Copper clad steel or aluminum
- Galvanized steel



Part Number	Description
47-600 Series	Simplex
47-610 Series	Duplex
47-620 Series	Detonator Wire
47-630 Series	Twisted Pair
47-640 Series	Leading Cable

## Blasting Wire Hanger

Features:

- End fits onto standard re-bar
- Clip securely holds blasting wire off the ground, out of water and away from any conducting surface.



Part Number	Size
47-1061	Standard

## CAB Blasting Wire Hooks

CAB Blasting Wire Hooks are designed to safely isolate blasting or other wiring from the roof, electrical cables or structure. A 1" (25mm) diameter 540° bottom loop securely retains wires in carrier. The 1/2" (13mm) top spiral loop design prevents dislodging of hanger after installation.

Part Number	Description
CAB6130	4" (102mm) long, 100/box, 9 lbs. (4.1kg)
CAB4801	6" (152mm) long, 100/box, 11 lbs. (5.0kg)
CAB205	12" (305mm) long, 50/box, 7 lbs. (3.2kg)
CAB199	18" (457mm) long, 100/box, 18 lbs. (8.2kg)



# Blasting - Plugs

## Drill Hole Marker Plugs

Why HI-VIS Yellow? HI-VIS Yellow is associated with safety. It is seen on caution signs, construction equipment, guardrails, and safety clothing.

- HI-VIS Yellow complies with standard safety rules.
- HI-VIS Yellow will keep the original brightness for a long time. The time depends on the exposure level of UV. Under normal outdoor conditions it will last for minimal 4-5 years.
- HI-VIS Yellow is easier to see in the dark.

Drill hole marker plugs are offered in a range of sizes to accommodate drill holes of ½" to 18". They are light, will not freeze and can be reused. They will not be damaged or moved when run over by heavy machinery.



**EXCLUSIVE**

Product No.	Product No.	Model #	Qty/ Case	Wt/ Case	Open End	Length/ Depth	Rim	Bottom End, Closed	Indentation: Half-Rnd. Diam.	Wall Thickness
41-00	41-00-HV	Model #1	200	12 lbs.	2"	6"	½"	½"	5/16"	.0625"
41-01	41-01-HV	Model #1-A	100	9 lbs.	2 ½"	4"	½"	1 ¾"	5/16"	.0625"
41-02	41-02-HV	Model #2	100	20 lbs.	3 ½"	8"	½"	2"	5/16"	.0800"
41-06	41-06-HV	Model #4	100	27 lbs.	4.7"	8"	⅝"	2 ½"	5/16"	.0800"
41-03	41-03-HV	Model #6	50	25 lbs.	6"	10"	¾"	3"	5/16"	.0800"
41-04	41-04-HV	Model #9	20	20 lbs.	9"	11"	1"	5 ⅝"	5/16"	.0900"
41-08	41-08-HV	Model # 10	30	20 lbs.	11"	11"	1 ¼"	5 ⅝"	5/16"	.0900"
41-05	41-05-HV	Model #13	*BULK*	3 lbs. Ea.	13"	16"	1 ¼"	9 ½"	5/16"	.0900"
41-07	41-07-HV	Model #18	*BULK*	5 lbs. Ea.	18"	12"	1 ½"	10"	5/16"	.0900"

\*BULK\* - Sold in any quantity requested

**EXCLUSIVE**



# 6 Plug, cap and casing

# 9 Plug, cap and casing



Drill Hole marker plug, cap and casing are all designed in conjunction, to ensure a safe and proper fit.



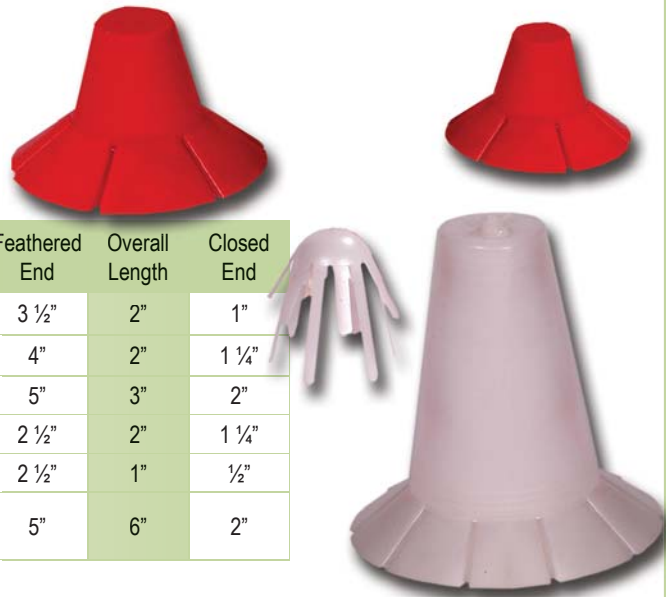
Product Number	Description	Quantity per Box
41-03-PCHV	HI-VIS # 6 PLUG & CAP KIT	20 Plugs and Caps
47-1084	HDPE - POLYETHYLENE PIPE FOR # 6 TIME HI-VIS PLUG & CAP	25 10' lengths / bundle 3 bundle min. purchase
41-04-PCHV	HI-VIS # 9 PLUG & CAP KIT	8 Plugs and Caps
47-1111-04 (4') 47-1111-06 (6') 47-1111-08 (8') 47-1111-10 (10')	** EXCLUSIVE** HDPE - POLYETHYLENE PIPE FOR # 9 TIME HI-VIS PLUG & CAP	Available 4',6',8',10' lengths 200 pcs min. purchase



## Powder Plugs

### PILGRIM HAT POWDER PLUGS

Red plastic pilgrim hat powder plugs and white expansion plugs are used to secure the charge in rising drill holes.



Product No.	Description	Qty/ Case	Wt/ Case	Feathered End	Overall Length	Closed End
40-00	Red Pilgrim Hat Powder Plug	1,000	25 lbs.	3 1/2"	2"	1"
40-01	Red 2" Powder Plug	650	25 lbs.	4"	2"	1 1/4"
40-02	Red 3" Powder Plug	270	25 lbs.	5"	3"	2"
40-06	White Expansion (Birdie) Plug	720	11 lbs.	2 1/2"	2"	1 1/4"
40-07	Red Powder Plug	1,000	15 lbs.	2 1/2"	1"	1/2"
40-12	Red 3" Extended Powder Plug (shown in white)	150	21 lbs	5"	6"	2"

### FOAM STEMMING PLUGS

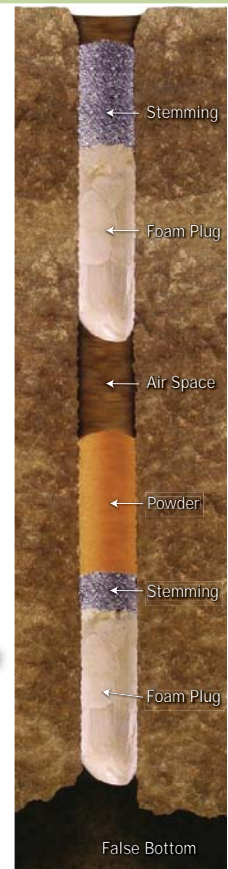
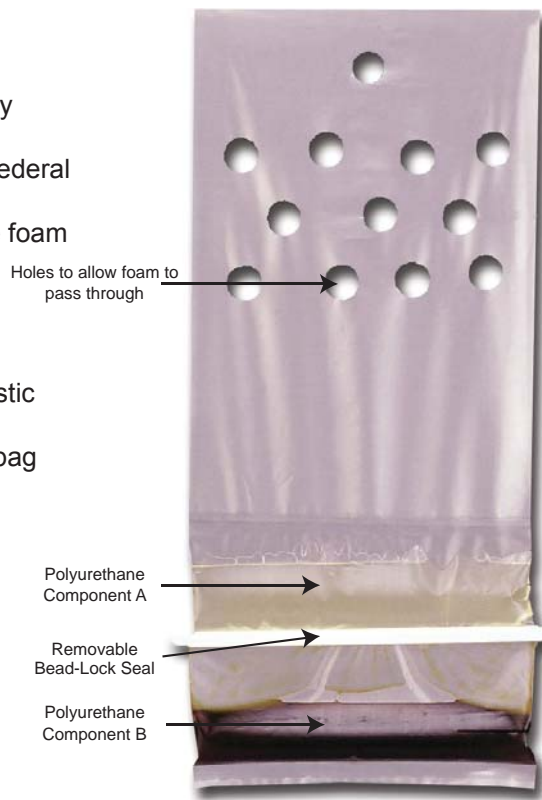
Features:

- Solid foam plug supports 7000 lbs
- Foam adheres to the wall and is mechanically locked in place
- Deemed 100% environmentally safe by US federal agencies
- Ample time to lower the plug into hole before foam expands
- Shelf life of approximately six months

How to use:

- Break the seal: remove rubber cord from plastic channel
- Tuck component portion of bag inside outer bag
- Tie the drop line onto bag
- Thoroughly agitate
- Lower bag into the hold
- Hold in position until foam expands

Product Number	Size
420-90	15" of foam in 4" hole



# Blasting - Hose

## Stemming Plugs



A cost effective way to quickly and easily seal the blast hole. They can also be used to create air pockets for in pre-split operations.

Product Number	Size
47-1050-08	Stemming Plug 8"
47-1050-13	Stemming Plug 13"

## Loading Bags

### Loading Bags for Underground Blasting

Underground loading bags for blasting were developed to assist the positioning of booster (s) to proper location while loading with loading hose.

#### Features:

- Easy to work with during loading procedures
- Pliable to irregular hole size
- Double stitched in heavy pushed areas

#### Benefits:

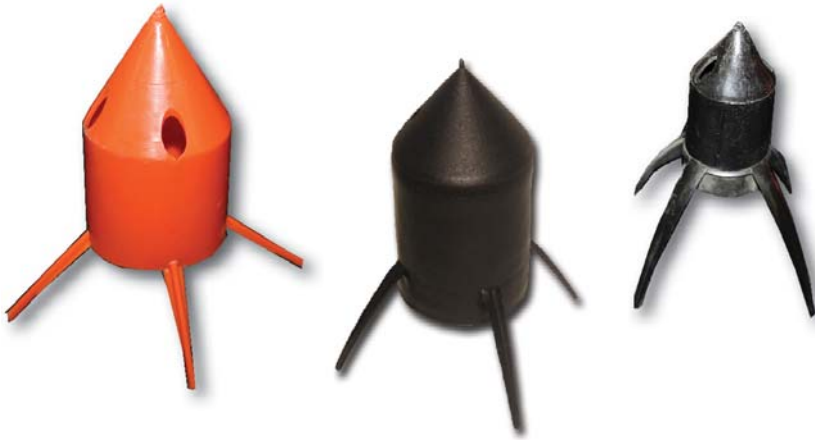
- Reduce loading time
- Available for multiple hole sizes from 2-1/4" to 6"
- Easy to install and remove if necessary during loading
- Can also be used to hold powder at desired depth using StrapRite to secure

Product No.	Description	Qty/Case
47-UIb2.5	Bag, Loading 2.5"Hole	250
47-UIb3	Bag, Loading 3"Hole	250
47-UIb3.5	Bag, Loading 3.5"Hole	250
47-UIb4.5	Bag, Loading 4.5"Hole	250
47-UIb5	Bag, Loading 5"Hole	250



# Blasting - Loading Bags

## ATEK Powder Plug



Product No.	Description
40-08	#4 ATEK Powder Plug (2-1/4" Drive Point)
40-10	#5 ATEK Powder Plug (2" Drive Point)
40-11	#6 ATEK Powder Plug (1" Drive Point)

## Anti-Static Loading Hose

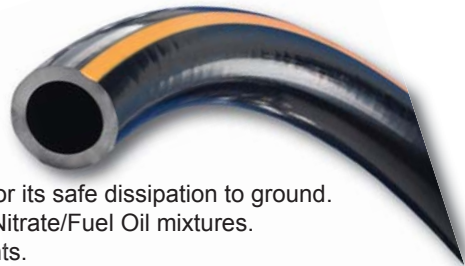
A specially formulated anti-static PVC hose for the loading of ammonium nitrate/fuel oil blasting agents used in the mining and construction industries.

### Construction:

Specially-formulated anti-static PVC compound.

### Features:

- Conductivity – effectively limits build-up of static electricity; provides path for its safe dissipation to ground.
- Bleeds off static charges built up during pneumatic loading of Ammonium Nitrate/Fuel Oil mixtures.
- Sufficient resistance – guards blasting circuit against stray electrical currents.
- Wear resistance – smooth interior and exterior surfaces, combined with tough material formulation, provide good wear resistance.
- Self-extinguishing characteristics.
- Excellent flexibility – sufficiently flexible to handle easily, yet rigid enough to reach upwards into collars of steeply-inclined holes.
- Easily identifiable – co-extruded continuous orange stripe makes tubing visible in underground lighting.
- Embossed branding – provides lasting identification.
- Packaged for ease of handling and shipping.



### Applications:

- Bulk unloading of ammonium nitrate/fuel oil blasting agents in small diameter holes.
- Successfully used for years with Orica's blast hole chargers, intermediate loaders and the Penberthy Anoloader.
- Mining and construction site blasting.

Series No.	Size Code	Inside Diameter		Approx. O.D.		Max. W.P.		Approx. Mass per 100 ft. (lbs.)	Approx. Mass per 100 m (kg.)	Length/Coil	
		Inches	mm	Inches	mm	PSI	MPa			ft.	m
221-35	10	5/8	16	55/64	22	120	0.83	17.5	25	200	61
221-3534	12	3/4	19	1 1/16	27	120	0.83	28	40	200	61
221-351	16	1	25	1 21/64	34	120	0.83	38	55	300	91
221-35114	20	1 1/4	32	1 5/8	41	120	0.83	55	78	100	30

Service Temperature Range: -30°F (-35°C) to +150°F (+65°C)

NOTE: A new coil of hose can have its pliancy restored by the application of heat before it is placed in service underground. This will facilitate handling and its attachment to pneumatic loading equipment. Steam or very hot water passed through the coiled tubing will remove the "set" from the new tubing and allow it to be straightened easily. The tubing should then be left to cool in the straight position.



# Blasting - Pipe

## Polyethylene (HDPE) Pipe

High density polyethylene plastic pipe (HDPE) delivers exceptional value, unwavering reliability and remarkable advantages over conventional types of piping. HDPE is the safest pipe on the market. Polyethylene pipe is totally inert, unlike PVC and ABS which release toxic fumes on contact with fire. **Used as drill hole casing in mining applications.**

### Features:

- Available in straight length, coils, or spools
- Available in diameters of up to 8"
- Comes in black or gray
- Can be customized to any wall thickness
- Available not pressure rated for drill hole casing
- Available with bell ends. No couplings required.
- Pipe : 1/2" - 2" at 75 PSI and 100 PSI is available in CSA and non-CSA

### Benefits:

- Long term service life
- Highly resistant to corrosion, abrasion and chemicals
- Softer and more pliable than ABS and PVC pipes
- UV protection allows HDPE to be stored in outside open areas
- Is less likely to crack or splinter in cold conditions
- Significant overall cost savings compared to conventional pipes



Product No.	Description
47-1002	HDPE Polypipe 1-1/4" x 100' Utility
47-1010	HDPE Polypipe 1-1/4" x 300' Utility
47-1062	HDPE Polypipe Clear 1" x 32"
221-252U	HDPE Polypipe 2" x 200' Utility
108-47	HDPE Casing Pipe 3"OD x 2.75"ID x 10'
47-1003	HDPE Casing Pipe 5.375"OD x 4.9"ID x 10'
47-1007	HDPE Casing Pipe 3.5"OD x 3.36"ID x 10'
47-1081	HDPE Casing Pipe 1.83"OD x 1.71"ID x 10'
47-1082	HDPE Casing Pipe 2.75"OD x 2.50"ID x 10'
47-1083	HDPE Casing Pipe 2.35"OD x 2.00"ID x 10'
47-1084	HDPE Casing Pipe 6"OD x 5.82"ID x 10'
47-1085	HDPE Casing Pipe 2.375"OD x 2"ID x 100'
47-1086	HDPE Casing Pipe 2.75"OD x 2.50"ID x 100'
47-1111-04	HDPE Casing Pipe 9" x 4'
47-1111-06	HDPE Casing Pipe 9" x 6'
47-1111-08	HDPE Casing Pipe 9" x 8'
47-1111-10	HDPE Casing Pipe 9" x 10'

## Muck Scoop Assembly

Manufactured by TIME

### Features:

- Hardwood handle replaceable
- Safety grip
- Steel blade



Product Number	Description
109-09	Muckscoop Assembly



North America 1-800-669-3542

International +1-705-647-8138

PAGE: BD8



www.timeltd.ca



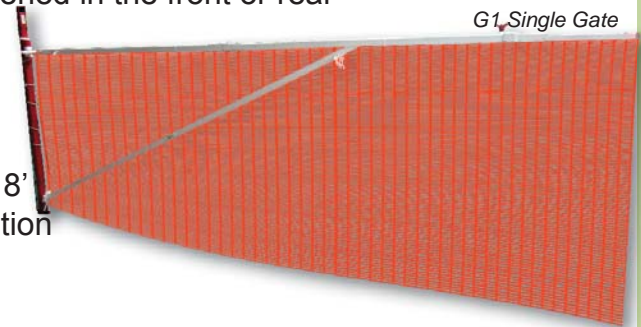
## Barriers

### Protection Gate

The gate is used to minimize risks of human falls in open pits and is used in dangerous locations that call for remote controlled equipment.

#### Features:

- Reversible – can be installed left or right and be opened in the front or rear
- Simple installation and use
- Fast installation and removal times
- Can be operated from vehicles
- Adjustable to all types of rock walls and locations
- Telescoping mechanism allows for widths of 12' – 18'
- Available in Single or Double depending on application



Product No.	Description
BFCT 504 XY	Barrier Fence 4'x50' with Caution Tape
47-OF-01	Barrier Fence 4'x150'
G1/430	Control Valve Kit G1 Gate
G1-000-E	Complete G1 Gate w/ Electronic Fitting Kit
G1-000-EA	Complete G1 Gate without Electric Actuator
G1-000-S	Complete G1 Gate w/ Standard Fitting Kit
G1-001	Complete G1 Gate w/ Air Control Valve
G1-015	Swivel for G1 Gate
G1-016	Swivel Pin for G1 Gate
G1-040	Cylinder Bracket for G1 Gate
G1-045	Hi-Viz Netting w/ Tie Wraps for G1 Gate
G1-050	Cylinder Support for G1 Gate
G1-060	Air Cylinder w/ Fittings for G1 Gate
G1-060-E	Air Cylinder w/ Electronic Fittings for G1 Gate
G1-070	Mast for G1 Gate
G1-090	Mast Short Support for G1 Gate
G1-095	Cylinder Support Anchor for G1 Gate
G1-100	Mast Long Support for G1 Gate
G1-150	Swivel Support for G1 Gate
G1-160	Lock Pins for G1 Gate
G1-310	Square Tubing Kit for G1 Gate
G1-750	Complete G1 Gate Double Expandable
G1-800	Infrared Remote Control System for G1 Gate
G1-801	Infrared Handheld Remote Control for G1 Gate
G1-802	Magnetic Base for Handheld Remote G1 Gate
G1-803	Rechargeable Battery Pack Infrared Remote G1 Gate
G1-900	Radio Frequency Receiver Unit for G1 Gate
G1-901	Radio Frequency Handheld Remote for G1 Gate



# Blasting - Hole Liners

## BLAST HOLE LINERS

The Stemliner™ is a blast hole liner manufactured to withstand the rigors of site installation. Its anti-static additives greatly reduce static build-up.

Stemliner™ is made from high quality material blends. Stemliners have a “V” pocket with a pouch to add weight for easy installation.

For best results either with straight ANFO or blends we recommend adequate priming. Tests run over the years have shown that large high velocity boosters give the best results. Small cast boosters, even 1 pound, can literally get lost in a large diameter hole due to contamination or a poor truck mix.

The Stemliners can help, along with the proper product and adequate priming, to reduce the production of noxious gasses (NOx). Stemliners prevent migration of explosives from the hole due to cracks, water infiltration or other hole imperfections. This can be especially helpful in front row holes that have back break.

Stemliners offer significant safety and cost benefits:

- Proven using 100% ANFO in the most difficult conditions
- Significant cost savings and increased blast efficiencies associated with using ANFO versus blends
- Reduction or elimination of NOx smoke
- Reliability in mining operations where performance is essential
- Assurance regarding safety and product quality

*\* Contact us about a custom stand*



Product Number	Description
47-01-0004	BLASTHOLE LINER 4" X 1000' ROLL
47-01-0006	BLASTHOLE LINER 6" X 1000' ROLL
47-01-0008	BLASTHOLE LINER 8" X 1000' ROLL
47-01-0010	BLASTHOLE LINER 10" X 500' ROLL
47-01-0011	BLASTHOLE LINER 11" X 500' ROLL
47-01-0012	BLASTHOLE LINER 12" X 500' ROLL

## Various Safety Tape

### CAUTION TAPE

- Highly visible, strong and long lasting caution tape.
- 3.5 ml. yellow polypropylene tape.
- 3" x 1000'

### DANGER TAPE

- Red tape
- 3" x 300'

### DANGER DO NOT ENTER TAPE

- Red barricade tape provide warnings of physical hazards or dangerous situations.
- 3" x 1000'
- Packaged in a dispenser box.



Product No.	Description	Size of Roll
5466729	Hi Visibility Yellow CAUTION Tape	3" X 1000'
5466765	Red DANGER Tape	3" X 300'
85-99	Red Barricade DANGER DO NOT ENTER Tape - In Dispenser box	3" X 1000'



## Lasers

TIME supplies high quality lasers of exceptional accuracy. Our lasers are made in the US to the highest specifications and valued by our mining customers for their solid construction, accuracy and ease of use.

Additional lasers and accessories are available. Please contact us for more information.

### DUAL BEAM ALIGNMENT LASER

#### Features:

- 2-eye visible laser beams shoot in opposite directions; align two points from middle
- Extend alignment accuracy by using one beam as a tacking point; halves the actual working distance
- Magnetic base clamps to metal equipment
- Hard anodized means superior abrasion resistance
- Weather sealed with o-rings
- Includes precision "Glow in the Dark" 5 minute of arc level vial; accurate 1/8" at 100 ft.

#### Accessories available for L202:

- Beam Bender for 90° layouts
- Beam Spreader for plumb and horizontal level line
- Mounting Collar (required with Beam Bender and Spreader)
- Leveling Adapter Plates for tripod mounting
- Support Bracket for pulley alignments

Product Number	Description
431-50	Model L202



## Marking Paint

#### Features:

- Sprays in upright position
- Low odour
- Non-clogging
- Fast drying

Product Number	Description
3141LF	Marking Paint Yellow
3244A	Marking Paint Red
3247	Marking Paint White
3145FL	Marking Paint Green
3143LF	Marking Paint Orange
3246	Marking Paint Black
3144SL	Marking Paint Florescent Orange
6242	Marking Paint Dark Blue



# Blasting - Vinegar Gas Bags

## Vinegar Gas Bags

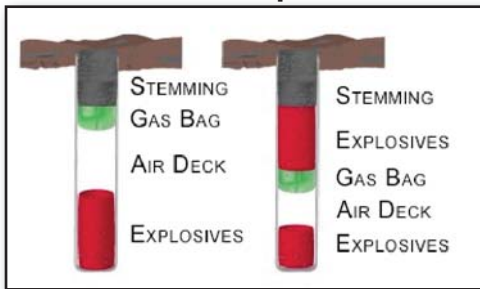


The Stemlock Gas Bag® is a self inflating borehole plug that is used to block or seal a hole at any depth.

- For 3" to 16" diameter holes.
- No air compressor, bags self inflate chemically.
- No leakage, Gas Bag is sealed
- No heat produced during inflation
- Ingredients are not carcinogenic.
- Substantial savings, up to 35% in explosives costs can be made by using the Gas Bag for air column blasting techniques.

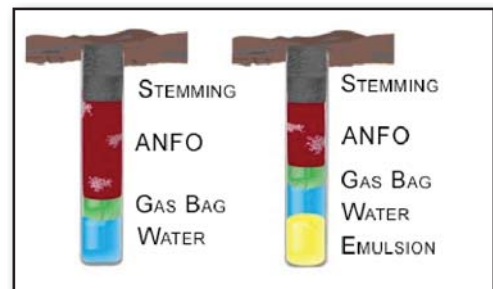
## Uses

### Use Less Explosives



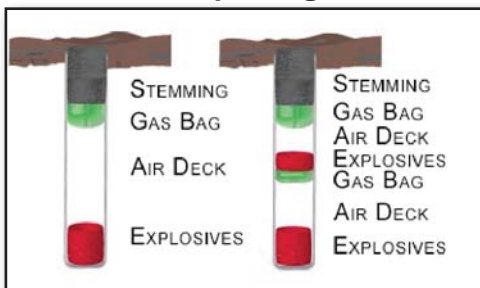
Save 15% to 35% of the total explosive load and still have excellent dig-ability. It's possible to reduce vibration and noise in addition to cost savings.

### Substitute ANFO for Emulsion Blends



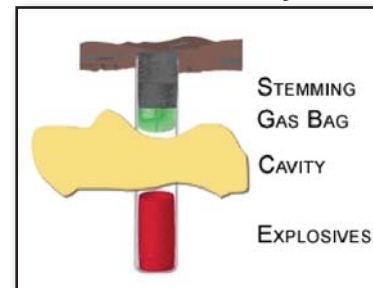
If your holes have only a few feet of water, try dropping a Gas Bag on the water to seal off the hole. Add a little stemming and use ANFO instead of waterproof explosives. Generally you can use this system up to 6 times the borehole diameter of water.

### Pre-splitting



Hole spacing should be 15 to 24 times the borehole diameter in inches depending on the local geology. If the hole is over 50 feet deep, two or more charges should be used for better explosive distribution. Usually about 60% of the total charge should be in the bottom. Charge weights should range between 3% to 10% of the total charge in a normal production hole. Holes should be stemmed for noise reduction.

### With a Cavity



Block a void or cavity that the drilled hole has penetrated. Plug exploration holes.

Product Number	Description
47-1024	GAS BAG 4" VINEGAR
47-1025	GAS BAG 6" VINEGAR
47-1026	GAS BAG 8" VINEGAR
47-1033	GAS BAG 9" VINEGAR



# Dust Control - Atomizers & Fire Nozzles

## Atomizer

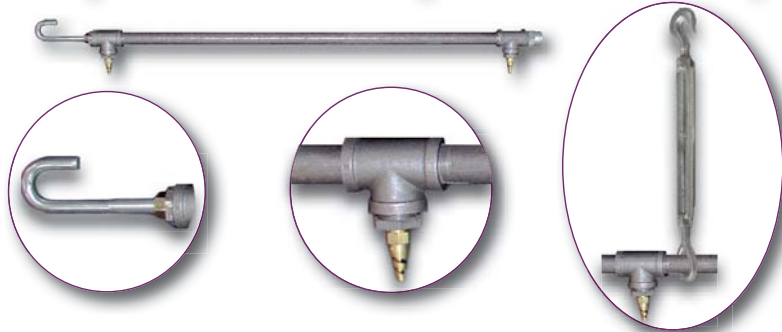


Product Number	Description
VICAT1	1" ATOMIZER ASSEMBLY

## Hanging Pipe Atomizer



Product Number	Description
47-1004	8'6" Hanging Pipe Atomizer (3 port)
47-1006	3' Hanging Pipe Atomizer (2 port)
47-1009	12' Hanging Pipe Atomizer (5 port)
47-1031-2	12" Hanging Pipe Atomizer (1 port)
Custom Design Available upon request	



## Nozzles



Product Number	Description
TF6W	1/4" Brass #6 Nozzle
TF8W	1/4" Brass #8 Nozzle
Other Nozzles Available upon request	

## Fire Nozzles

### Class A & B Fire Nozzles

- IPT Thread
- 1" or 1½" Adjustable Fog/Stream/Shut-off
- High impact POLYCARBONATE NOZZLES
- Max rated flow 78 gpm at 100 PSI
- Molded in Red

Product Number	Size	Description
10IPT	1"	For Class A B fires
22-06	1-1/2"	For Class A, B fires



# Dust Control - Mister

## Misters

### PROPTEC ROTARY MISTER

The Proptec Rotary Mister consistently produces perfectly sized droplets that travel far down mine drifts and encapsulates airborne dust before falling. It sequesters dust without eroding mine ramps, drifts and travel ways. It reduced water consumption by over 80% to reduce both water and energy for significant cost savings.

The Proptec Rotary Mister was the improved result of early research at Michigan State University. Designed by an experienced engineering team, the Proptec Rotary Mister can be used in a vast range of applications that require reliable, robust atomization of liquids. These atomizers operate with any type of water without clogging. Proptec Rotary Mister effectively controls all types of dust including hazardous & explosive types found in mines. It and performs with high reliability and low maintenance even in extreme conditions.

The Proptec Rotary Mister represents "State of the Art" in dust control technology.

### MINE TESTED IN SUDBURY, ON CANADA

The Proptec Rotary Mister has been tested at a mine in Sudbury, Ontario, at locations where dust is a problem — in mine drifts and travel ways, at shotcrete transfer points and hoppers, at a crusher station, at rock dumping sites and in raise bore applications.

Available air powered, electric, or hydraulic.

#### Features:

- easy to install
- two settings: low, 1 gpm, high, 3 gpm
- maintenance-free
- will not clog

#### Benefits:

- washes mine air clean of dust
- cools and refreshes mine air with billions of active droplets
- efficiently utilizes water at reduced volumes conserving water & energy
- will not erode ramps or drifts
- can knock down any dust.

FLR (filter, lubricator, regulator) Assembly included in each unit.

Product Number	Description
PT2A-XM100	Proptec Air Rotary Mister Assembly
PT2E-XM200	Proptec Electric Rotary Mister Assembly
PT10AS01HBSB	Proptec Hydraulic Rotary Mister Assembly
47-2016	Portable Proptec Air Rotary Mister



# Dust Control - Sprinklers / Deicer

## Impact Sprinkler

65PJADJ-TNT

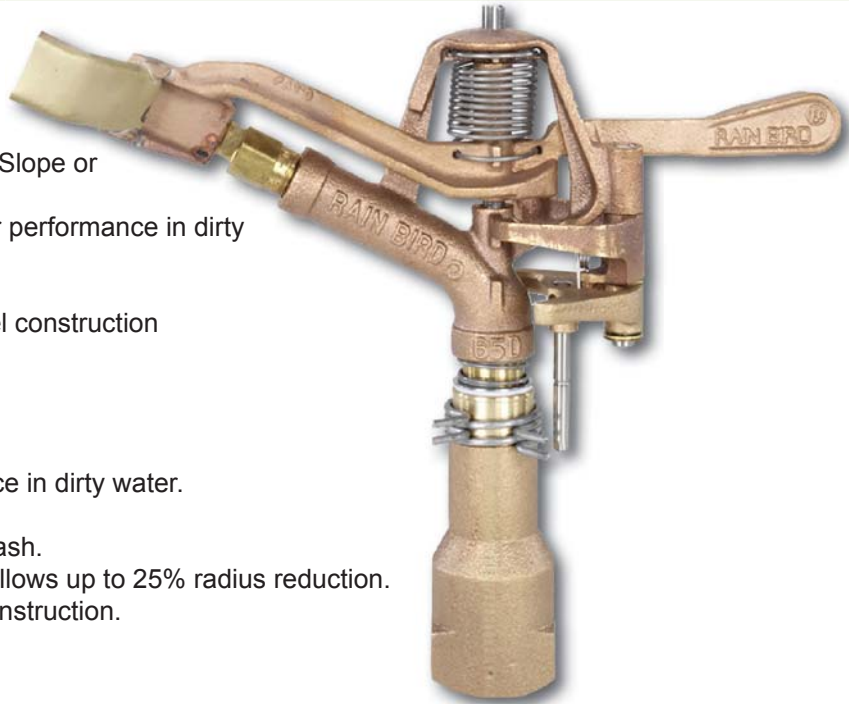
### Performance

1" (26/34) Riser-Mounted Impact Head Used for Slope or Large, Non-Turf-Area Applications

- Flexibility – Straight-through flow for superior performance in dirty water
- Reliability – Proven impact drive
- Durability – Rugged brass and stainless steel construction

### Features

- Proven impact drive.
- Long-wearing TNT bearing.
- Straight-through flow for superior performance in dirty water.
- Full-circle or adjustable arc 20° to 340°.
- Precision Jet tube (PJ™) minimizes side splash.
- Stainless steel distance control diffuser pin allows up to 25% radius reduction.
- Rugged brass, bronze and stainless steel construction.
- FP trip for full- or part-circle operation.



Product Number	Size	Description
65PJADJTNT	1"	SPRINKLER RAIN BIRD

## Potassium Acetate Liquid Deicer

Potassium Acetate represents a significant improvement on liquid de-icing fluids. Potassium Acetate is clear, odorless, and is an easy-handling solution. The unique features and benefits of Potassium Acetate make it an ideal alternative to conventional ice melt applications:

### Environmentally Friendly

- non-toxic and non-hazardous to plant and animal life
- non-damaging to most surfaces including concrete, metals, wood, gutters, lawns, and vegetation
- has a very low biological oxygen demand (BOD\*) rate and contains no phosphates or urea.

### High Performance Liquid Ice Melt

- works longer and better than magnesium chloride, calcium chloride, and traditional rock salts!
- improved wetting and spreading
- fluid sticks to the surface and lasts longer between applications
- rapid drying - making treated surfaces available for use in less time



\* The lower the BOD rate, the quicker it decomposes into environmentally safe components. Chloride-based de-icers (calcium and magnesium chloride) accumulate in the environment as harmful salts which can be damaging to plant and animal life - including fish.



# TIME Products

## MINING

### HOSE & HOSE FITTINGS

Chicago Couplings  
Hose - air, water & hydraulic  
Minsup Fittings  
Hansen Couplings  
Punch-Lok Clamps  
TIME Hose Fittings  
Whipchek Hose Anchors



### LIGHTING

Dual beam & alignment lasers  
Airturbo Lamp  
LED Mine Strobe Light (MSHA)  
Cordless Miner's Cap Lamp  
Tunnel Lamp  
LED Flood Lights



### MINING PLUGS

Anchor Bolts  
Displacement Plugs  
Margo Plugs  
Drill Hole Plugs  
Stemming Plugs  
Van Ruth Plugs  
VK Grout Plugs



### BARRIER PROTECTION

Marcel Gate  
Barrier Protection  
Complete Remote Systems



## DRILLING

### PERCUSSIVE TOOLS

Tapered Equipment  
Drifting & Tunneling  
Bench & Long Hole  
Shanks



### DIAMOND DRILL TOOLS, FLUIDS & POLYMERS

Core Barrels  
Water Equipment  
Wedging Tools  
Recovery Tools  
Hoisting Equipment  
Bestolife Lubricants  
Ambex Anchoring Capsules  
Drilling Fluids  
Linseed Soap  
Rod Grease  
Citrus Degreaser



### BLAST HOLE PRODUCTS

PVC & Polyethylene Pipe  
Anti-Static Loading Hose  
Loading Bags  
Depth Gauges  
Drill Hole Marker Plugs  
Hi-Vis Drill Hole Marker Plugs  
Birdie Plugs  
Powder Plugs  
Blasting Wire  
CAB Wire Hangers



### VALVES

Brass Ball Valves  
Brass Water Valves  
Butterfly Valves  
Gate Valves  
Mine Header Valves  
Mortrol Valves  
Relief Valves



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## INDUSTRIAL

### PUMPS & PARTS

FMC (Bean) Pumps & parts  
FMC (Bean) Pump Assemblies  
Prattisoli KF Series pumps  
NOMAD Diaphragm Pumps



### ENVIRONMENT - HEALTH - SAFETY

CSA approved Miner's Boots  
Safety Glasses, Goggles, Visors  
Hand, Head & Hearing Protection  
Harnesses & Lanyards  
Sorbent Mats, Rolls, Socks, Booms & Pillows  
Spill Kits



### JOB SITE STORAGE EQUIPMENT

Tough and ultra-secure:  
Storage chests & cabinets  
Work benches  
Field stations



### MINING SUPPLIES

Atomizer Bars - 3' and 12'  
Black Iron Fittings & Nipples  
COXREEL Safety Reels  
Hand Tools  
Mine Hooks - H & S  
Mining Header Manifolds  
Muck Scoops  
Proptec Rotary Mister  
RIDGID Pipe Wrenches  
RIDGID Threading Machines  
Strapping - CARISTRAP, STRAPRITE



### HOISTING & LIFTING

Chain  
Loadbinders  
Poly Rope  
Shackles & hooks  
Sheave Blocks - 6" & 8"  
Wire Rope



Brand New Website  
Tout Nouveau Site Web  
[www.time ltd.ca](http://www.time ltd.ca)

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