



# What's New

## 47th Annual ISEE Conference Update



It was rather unfortunate to hear this week news that we all knew was coming. Alastair Torrance the President of the ISEE made it official and informed us all the 47th annual conference was going to be canceled. With uncertainty surrounding worldwide travel, potential restrictions of groups and a compromised set of events the choice was clear. We would like to commend the ISEE, it's board of directors and Alastair for making this tough decision as we know it was not an easy one to make. The annual conference is the highlight of the year and will be missed by all. It is great to hear that the ISEE's short-term focus is now on providing suitable

online training materials and potential networking opportunities for the members. Here at Coogar Sales & Services we are already looking forward to 2022!

The entire announcement can be found at <https://www.isee.org/conferences/2021-conference>

## New Product: VULTREX Rock Drill EP000

It seems like a long time coming but we are happy to announce that Coogar Sales and Services now carries Petro Canada's Vultrex Rock Drill EP000 Rock Drill Lubricant. It's the best lubricant to run in your MDA rock drill and has been used for over 35 years in underground mining operations. This semi-fluid grease is a cleaner alternative and more productive than oil lubrication. The best part is that it meets all the specifications of Joy, the pneumatic rock drill found on the MDA. We have it in stock and ready to go, just give us a call!

### FEATURES AND BENEFITS

#### - Environmentally Acceptable

- Provides a safe and healthier alternative to oil
- Drills less noisy than when oil lubricated

#### - Cost Effective

- Can be applied using existing lubricators
- Extends drill component life
- Significantly reduces lubricant consumption (up to 40%)

#### - Extends Drill Life

- Drills run cooler than when oil is used
- Prevents scoring and minimizes wear
- Grease forms an adhesive, protective film against rust and corrosion
- Protects drill in wet environment
- Extends drill component life up to 20%





# What's New

## Where do you start?

There is nothing more exciting and a little bit unnerving about planning a blast that you have never done before. Perhaps you are going to be using a new explosive, different design philosophy, or better yet a new type of blast all together. I imagine that doing demolition with explosives is a lot like that every single project.

Blasters that are new to Nxburst™ face the same challenge, although so much of using Nxburst™ is familiar, it just doesn't work in the same way. Since Nxburst™ does not detonate, blast design can be much less forgiving. Seams and graining can have a big influence on whether your design will be successful. So how does a blaster new to Nxburst™ ensure they are on the right track? Our training manuals include a physical properties sheet that outlines the recommended use of the Nxburst™ rock-breaking cartridges. Listing every cartridge available, this table highlights both boulder and in situ operations that may be performed. Each cartridge size

### Nxburst Physical Properties ROCK BREAKING CARTRIDGES

TABLE OF RECOMMENDED USE OF Nxburst ROCK BREAKING CARTRIDGES										
CARTRIDGE		BOULDER BREAKING					IN SITU BREAKING			
Nxburst 13mm Rockpopper Cartridges	Charge Weight (g)	Boulder Size (mm)	Cubic Meters (m <sup>3</sup> )	Hole Depth (mm)	Powder Factor (kg/m <sup>3</sup> )	Burden (mm)	Hole Spacing (mm)	Maximum Hole Depth (mm)	Cubic Meters (m <sup>3</sup> )	Powder Factor (kg/m <sup>3</sup> )
0513	5	500-500x500	0.125	300	0.040	200	200	300	0.012	0.417
1013	10	750x750x750	0.422	600	0.024	300	300	400	0.036	0.278
Nxburst 28 & 34mm Cartridges	Charge Weight (g)	Boulder Size (mm)	Cubic Meters (m <sup>3</sup> )	Hole Depth (mm)	Powder Factor (kg/m <sup>3</sup> )	Burden (mm)	Hole Spacing (mm)	Maximum Hole Depth (mm)	Cubic Meters (m <sup>3</sup> )	Powder Factor (kg/m <sup>3</sup> )
2028/2034	20	750x750x750	0.422	495	0.047	250	250	400	0.025	0.800
4028/4034	40	1000x1000x1000	1.000	660	0.040	300	300	500	0.045	0.889
6028/6034	60	1250x1250x1250	1.953	825	0.031	350	350	600	0.074	0.816
8028/8034	80	1500x1500x1500	3.375	990	0.024	400	400	750	0.120	0.667
10028/10034	100	1750x1750x1750	5.359	1155	0.019	450	450	800	0.162	0.617
12028/12034	120	2000x2000x2000	8.000	1320	0.015	500	500	900	0.225	0.533
14028/14034	140	2200x2200x2200	10.648	1452	0.013	550	550	1000	0.303	0.463
16028/16034	160	2400x2400x2400	13.824	1584	0.012	600	600	1100	0.396	0.404
18034	180	2600x2600x2600	17.576	1716	0.010	650	650	1200	0.507	0.355
25034	250	3000x3000x3000	27.000	1980	0.009	800	800	1500	0.960	0.260
Nxburst 42mm Cartridges	Charge Weight (g)	Boulder Size (mm)	Cubic Meters (m <sup>3</sup> )	Hole Depth (mm)	Powder Factor (kg/m <sup>3</sup> )	Burden (mm)	Hole Spacing (mm)	Maximum Hole Depth (mm)	Cubic Meters (m <sup>3</sup> )	Powder Factor (kg/m <sup>3</sup> )
6042	60	1250x1250x1250	1.953	825	0.031	350	350	600	0.074	0.816
8042	80	1500x1500x1500	3.375	990	0.024	400	400	750	0.120	0.667
12042	120	2000x2000x2000	8.000	1320	0.015	500	500	900	0.225	0.533
18042	180	2600x2600x2600	17.576	1716	0.010	650	650	1000	0.423	0.426
24042	240	3000x3000x3000	27.000	1980	0.009	800	800	1200	0.768	0.313
Nxburst 60mm Cartridges	Charge Weight (g)	Boulder Size (mm)	Cubic Meters (m <sup>3</sup> )	Hole Depth (mm)	Powder Factor (kg/m <sup>3</sup> )	Burden (mm)	Hole Spacing (mm)	Maximum Hole Depth (mm)	Cubic Meters (m <sup>3</sup> )	Powder Factor (kg/m <sup>3</sup> )
20060	200	2800x2800x2800	21.952	1848	0.009	700	700	1000	0.490	0.408
30060	300	3000x3000x3000	27.000	1980	0.011	1000	1000	1200	1.200	0.250
40060	400	3300x3300x3300	35.937	2178	0.011	1500	1500	1500	3.375	0.119
50060	500	3500x3500x3500	42.875	2310	0.012	2000	2000	1800	7.200	0.069

has a suggestion on both burdens and spacings recommended as well as a maximum hole depth. The cubic metres per cartridge and powder factors also indicate the potential workload a single cartridge can provide. Based on the fragmentation required and the type of rock being blasted, this table provides reassurance that your design is on the right track or needs to have a second look. At Coogar Sales and Services we provide an endless supply of technical support to our customers and maintain a network of users throughout the world that we can call on when we don't have the answers. Planning a successful and safe blast design has a lot to do with the numbers, but it also heavily depends on experience. With tools like the physical properties table and our worldwide network of blasting professionals at your fingertips, your blasting can be safe and successful.

Coogar Sales & Services is the proud distributor of Nxburst and the FRAGMENTOR throughout Canada, US and Mexico and has the stock to meet your demands. With our staff having a practical drill and blast experience we can guide you through even the most delicate of jobs safely and effectively helping you and your bottom line.

Give us a call at (866) 762-5835 or visit [www.coogarsales.com](http://www.coogarsales.com)

