

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 (m3)	Hole Depth (mm)	Powder Factor kg/m3	Burden (mm)	Hole Spacing (mm)	Maximum Hole Depth (mm)	Cubic Meters (m3)	Powder Factor kg/m3
0513	5	500x500x500	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 (m3)	Hole Depth (mm)	Powder Factor kg/m3	Burden (mm)	Hole Spacing (mm)	Maximum Hole Depth (mm)	Cubic Meters (m3)	Powder Factor kg/m3
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	6.667
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 (m3)	Hole Depth (mm)	Powder Factor kg/m3	Burden (mm)	Hole Spacing (mm)	Maximum Hole Depth (mm)	Cubic Meters (m3)	Powder Factor kg/m3
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 (m3)	Hole Depth (mm)	Powder Factor kg/m3	Burden (mm)	Hole Spacing (mm)	Maximum Hole Depth (mm)	Cubic Meters (m3)	Powder Factor kg/m3
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	3300x3300x3300x	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