



Generation III Drill Pattern Guideline

Blasting Application	87mm				83mm				43mm								35mm											
	1700g								550g				350g				300g				180g				100g			
	B	S	D	Dia	B	S	D	Dia	B	S	D	Dia	B	S	D	Dia	B	S	D	Dia	B	S	D	Dia	B	S	D	Dia
Secondary																												
Standard Cartridge	3.0m	3.0m	3.6m	92mm	3.0m	3.0m	3.6m	89mm	1.6m	1.6m	2.1m	46mm	1.3m	1.3m	1.8m	46mm	1.1m	1.1m	1.8m	38mm	0.9m	0.9m	1.2	38mm	0.7m	0.7m	0.9m	38mm
Trenching																												
Standard Cartridge	2m	2.5m	2.5m	92mm	2m	2.5m	2.5m	89mm	0.6m	0.8m	1.8m	46mm	0.6m	0.7m	1.5m	46mm	0.5m	0.6m	1.5m	38mm	0.5m	0.5m	0.9m	38mm	X	X	X	38mm
Sequential Cartridge	2m	2.3m			2m	2.3m			0.6m	0.7m			0.5m	0.6m			0.5m	0.5m			X	X						
Tunnelling																												
Standard Cartridge	X	X	X	92mm	X	X	X	89mm	0.6m	0.8m	1.8m	46mm	0.6m	0.7m	1.5m	46mm	0.5m	0.6m	1.5m	38mm	0.5m	0.5m	0.9m	38mm	X	X	X	38mm
Sequential Cartridge	X	X			X	X			0.6m	0.7m			0.5m	0.6m			0.5m	0.5m			X	X						
Bulk																												
Standard Cartridge	2.8m	3.2m	3.0m	92mm	2.8m	3.2m	3.0m	89mm	1.1m	1.2m	2.1m	46mm	0.8m	0.9m	1.8m	46mm	0.8m	0.9m	1.8m	38mm	0.7m	0.8m	1.2m	38mm	0.5m	0.5m	0.9m	38mm
Sequential Cartridge	2.5m	3.0m			2.5m	3.0m			1.1m	1.1m			0.8m	0.8m			0.8m	0.8m			0.7m	0.7m			0.5m	0.5m		

B	-	BURDEN
S	-	SPACING
D	-	HOLE DEPTH
Dia	-	HOLE DIAMETER

Guidelines are based on hard rock blasting with one cartridge per blast hole. Results may vary and drill parameters must be adjusted accordingly therefore these parameters should be used as a guideline only.

