

AdvancedAlign™ Charges										
Charge	Part No. ¹	EH ²	PEN ³	Standard Deviation	Explosive Weight	Gun Size	Gun	Phasing	Gun Swell	Casing
AA31-30	SC31A115-025	0.30"	12"	0.69%	15g	3-1/8"	SWM PerfAlign	0°	3.18"	5.5" 20# P-110
AA31-36	SC31A114-019	0.36"	8"	0.72%	14g	3-1/8"	SWM PerfAlign	0°	3.16"	5.5" 20# P-110
AA31-38	SC31A115-018	0.38"	8"	1.10%	15g	3-1/8"	SWM PerfAlign	0°	3.18"	5.5" 20# P-110
AA31-40	SC31A116-018	0.40"	8"	0.58%	16g	3-1/8"	SWM PerfAlign	0°	3.25"	5.5" 20# P-110
AA31-42	SC31A117-015	0.42"	8"	0.89%	17g	3-1/8"	SWM PerfAlign	0°	3.26"	5.5" 20# P-110
AA31-42M	SC31A121-008	0.42"	20"	1.11%	21g	3-1/8"	SWM PerfAlign	0°	3.26"	5.5" 20# P-110
AA31-45	SC31A118-015	0.45"	8"	0.52%	18g	3-1/8"	SWM PerfAlign	0°	3.26"	5.5" 20# P-110
AA31-47	SC31A119-018	0.47"	7"	0.85%	19g	3-1/8"	SWM PerfAlign	0°	3.27"	5.5" 20# P-110
AA31-50	SC31A121-015	0.50"	7"	0.75%	21g	3-1/8"	SWM PerfAlign	0°	3.28"	5.5" 20# P-110

- (1) All charges utilize RDX explosives. HMX configurations also available.
 (2) Other hole sizes, phasings, and casing sizes/weights available by request
 (3) Penetration data gathered from shots in 28 day aged concrete

AdvancedFrac™ Charges										
Charge	Part No. ¹	EH ^{2,4}	PEN ³	Standard Deviation	Explosive Weight	Gun Size	Gun	Phasing	Gun Swell	Casing
AF31-30	SC31A115-013	0.31"	12"	3.45%	15g	3-1/8"	SWM PerfStorm	60°	3.18"	5.5" 20# P-110
AF31-36	SC31A114-011	0.37"	8"	4.68%	14g	3-1/8"	SWM PerfStorm	60°	3.16"	5.5" 20# P-110
AF31-38	SC31A114-012	0.38"	8"	3.68%	14g	3-1/8"	SWM PerfStorm	60°	3.16"	5.5" 20# P-110
AF31-40	SC31A115-011	0.40"	8"	3.71%	15g	3-1/8"	SWM PerfStorm	60°	3.22"	5.5" 20# P-110
AF31-42	SC31A116-011	0.42"	8"	3.35%	16g	3-1/8"	SWM PerfStorm	60°	3.25"	5.5" 20# P-110
AF31-44	SC31A117-011	0.44"	8"	3.71%	17g	3-1/8"	SWM PerfStorm	60°	3.25"	5.5" 20# P-110
AF31-46	SC31A118-011	0.46"	8"	3.76%	18g	3-1/8"	SWM PerfStorm	60°	3.26"	5.5" 20# P-110
AF31-48	SC31A119-011	0.48"	8"	3.00%	19g	3-1/8"	SWM PerfStorm	60°	3.26"	5.5" 20# P-110
AF31-50	SC31A121-011	0.50"	7"	2.86%	21g	3-1/8"	SWM PerfStorm	60°	3.29"	5.5" 20# P-110
AF31-55	SC31A123-011	0.56"	7"	2.87%	23g	3-1/8"	SWM PerfStorm	60°	3.28"	5.5" 20# P-110

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 (2) Other hole sizes, phasings, and casing sizes/weights available by request
 (3) Penetration data gathered from shots in 28 day aged concrete
 (4) Entry Hole sizes gathered from guns oriented eccentrically to casing

Advanced Good Hole Charges									
Charge	Part No. ¹	EH ^{2,4}	PEN ³	Explosive Weight	Gun Size	Gun	Phasing	Gun Swell	Casing
AGH-19	SC31A119-001	0.34"	24"	19g	3-1/8"	SWM PerfStorm	60°	3.25"	5.5" 20# P-110
AGH-21	SC31A121-002	0.36"	26"	21g	3-1/8"	SWM PerfStorm	60°	3.28"	5.5" 20# P-110
AGH-21B	SC31A121-007	0.42"	20"	21g	3-1/8"	SWM PerfStorm	60°	3.26"	5.5" 20# P-110
AGH-23	SC31A123-001	0.40"	30"	23g	3-1/8"	SWM PerfStorm	60°	3.28"	5.5" 20# P-110

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(2) Other hole sizes, phasings, and casing sizes/weights available by request
(3) Penetration data gathered from shots in 28 day aged concrete
(4) Entry Hole sizes gathered from guns oriented eccentrically to casing



Perforating is a Team Game™

7408 Advance Rd
Poolville, TX 76487

sales@swmtx.com
877-665-8747