



BreachPop[®]

Tamped Charge Containers



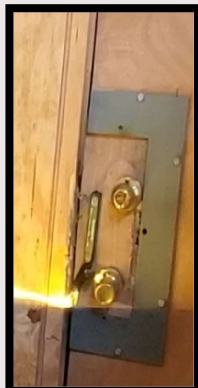


BreachPop®

Tamped Charge Containers



Strip Charges



(Training) N.E.W.:
0.013 lbs TNT/3.5g



N.E.W.:
0.031 lbs TNT / 13g



N.E.W.:
0.092 lbs TNT / 23g



N.E.W.:
0.194 lbs TNT / 53g

Linear Charges

[Click to Open Link to Videos](#)

BreachPop	Common Load	Target Recommendation
5" BP#1 (Link for 10")	9" 50gr Det Cord	Hollow Wood / Training Charge
	½" x 5" or 10" C2	Heavy Wood, Class I Metal
8" BP#1	12" 50gr Det Cord	Hollow Wood / Training Charge
	½" x 8" C2	Solid Wood, Class I Metal
8" BP#3	30" 50gr Det Cord (3-wrap strip)	Solid Wood, Class I Metal
	¾" x 8" C2	Solid Wood, Class II Metal
12" BP#3	42" 50gr Det Cord (3-wrap strip)	Solid Wood, Class I Metal
	¾" x 12" C2	Solid Wood, Class II Metal
BP#1 Linear Tri- & Bi-Folds	66" or 84" 50gr (Tri- or Bi-Fold)	Solid Wood, Class I Metal
	½"x 54" or 72" C2 (Tri- or Bi-Fold)	Class II Metal
BP#3 Linear Tri- & Bi-Folds	176" or 224" 50gr (Tri- or Bi-Fold)	Solid Wood, Class II Metal
	¾"x48 or 72" C2 (TriFold or BiFold)	Class II Metal

BreachPop Overview Information

Overview: Tamped charge container designed to hold sheet explosive or det cord in a shaped channel to increase the explosives target effect and reduce blast over pressure. Simple, durable design reduces N.E.W. by 40-50% and blast overpressure (B.O.P.) by up to 75% compared to conventional charges. Low N.E.W. training options complement the operational variants.

Specific Traits: BreachPop Strips are designed to fit into standard magazine pouches with minimal added weight to the charge. The shaped channel directs blast pressure into the target and tamping provides the same target effect with less net explosive weight (N.E.W.) than conventional charges. BreachPop Linears allow for equivalent target effects with 50% or less of the conventional N.E.W. and drastically lower B.O.P. (approximately 75%).

Operational Need: Blast overpressure from breaching results in cumulative sub-concussive overpressure injuries which have only recently been identified and studied. By using a water-based tamp the BreachPop reduces necessary N.E.W. and absorbs blast overpressure, further decreasing the overpressure exposure of war fighters.

BreachPop Technical Information

Variant	Standard Dim / Weight		Metric Dim / Weight	
	Length	Weight	Length	Weight
BreachPop #1 8" P/N: BP1-8	8"x0.71"x0.87"	2.5oz	20cm x 1.8xm x 2.2cm	73g
BreachPop #3 8" P/N: BP3-8	8"x0.71"x0.87"	2.2oz	20cm x 1.8xm x 2.2cm	63g
BreachPop #1 15" P/N: BP1-15	15"x0.71"x0.87"	4.8oz	38cm x 1.8xm x 2.2cm	137g
BreachPop #1 36" P/N: BP1-36	36"x0.71"x0.87"	11.8oz	91.5cm x 1.8xm x 2.2cm	335g
BreachPop #3 16" P/N: BP3-16	16"x0.71"x0.87"	4.5oz	40cm x 1.8xm x 2.2cm	128g
BreachPop #3 36" P/N: BP3-36	36"x0.71"x0.87"	10.1oz	91.5cm x 1.8xm x 2.2cm	288g



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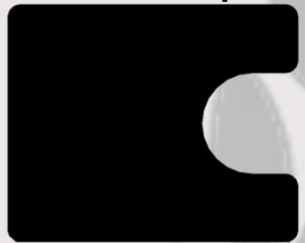


Channel Geometry & Charge Construction System

Profile*

Loading Options

BreachPop #1



1 Strand 50gr / 100gr Det Cord cut to length (10g / 20g Det Cord)
2 Strand Combos: 50gr+25gr, 25gr+18gr, 18gr+18gr
½ Wide C2 Sheet Explosive primed with 1-strand 50gr



Det Cord:

BreachPop #2



2 Strands 50gr or 100gr Det Cord cut to length (10g / 20g Det Cord)

BreachPop #3



3 Strands 50gr / 100gr Det Cord cut to length (10g / 20g Det Cord)
3 Strand Combos: Combine 15-100gr det cord lengths to vary N.E.W.
¾" Wide C2/C3/C4/C6 Sheet Explosive primed with 1-strand of 50gr



Det Cord:

*BreachPop profiles are not to scale; For reference only in understanding charge construction & explosive geometry



BreachPop[®]

Tamped Charge Containers



P3D Solutions, Inc developed a line of tamped charge containers that benefit the operator in a number of ways. Most important is the reduction in N.E.W. that is possible by tamping the explosive material loaded into the BreachPop. Reduction in N.E.W. equals a reduction in blast pressure, shortening MSD and easing the beating operators receive when setting off charges. Further, the water-based gel used as a tamping medium absorbs additional blast pressure, as evidenced by the test comparing the same N.E.W. conventional charges to loaded BreachPops. Second, the BreachPops were designed by Assaulters, for Assaulters. The building of the charges is as simple as cutting a few pieces of det cord or sheet explosive, taping it into the BreachPop and applying your preferred breaching adhesive. Carrying is where the BreachPops really shine. The BreachPop Strip was designed from the ground up to fit three to four per M4 magazine pouch and one to two per pistol magazine pouch. Taco pistol pouches hold two and are perfect for a Mini-Nunchuk charge and a three node slider will fit cleanly in an M4 mag pouch. The overall length of the standard BreachPop is an 8" strip, allowing them to be easily carried on the belt or plate carrier without impeding tactical movements, and custom lengths are available. The short 5" BreachPop can be built out to an effective charge length of 5-7" (single) or 10-12" (dual) while the 8" BreachPop can be built to 8" or 10". 15"-18" BreachPops can easily be stowed on the back of a plate carrier as strips, and are used to build Tri-Fold Linears. These lengths allow them to fold up short for portability. The ease of carriage of the BreachPop will allow you to carry multiple charges in an organized fashion to deal with whatever breaching problems you may encounter. This is all summed up by the BreachPop Motto:

Easy to Build, Easy to Carry, Easy to Deploy

What follows is an outline of the BreachPop line of tamped charge containers. The results presented are from P3D Solutions, Inc. and BreachPop, LLC internal testing and should be verified in your area of operations.



BreachPop® #1 Effectiveness Test



(Top) 8" BreachPop #1, 12" of 50 grain Det

Notes: Full penetration of the solid wood door along the length of the BreachPop.



(Bottom) 12" of 50 grain, Duct Tape Strip

Notes: Penetration through the solid wood door only where the two caps were attached to the det cord.

0.019 lbs TNT N.E.W. (including two caps)

BreachPop resulted in a better target effect with 25% less overpressure at 5' (1.5m).

Demo charges primed with a dual-initiated skin pack, so two caps were exposed, increasing the N.E.W. outside the BreachPop by 1g compared to a single primed system. Single primed charges show an overpressure reduction of >30% at this length.



Proprietary / Unclassified

BreachPop[®] #1 C2 Comparison Test



Target: Solid Wood Door

(Top) BreachPop #1 7" Strip loaded with .5"x7" C2 direct primed

N.E.W.: .022 lbs TNT Single Primed

MSD: 5'

This charge can be built using an 8" BreachPop #1 loaded with .5"x8" C2 and an 8" det cord tail.

N.E.W. is .033 lbs single primed with a 5.7' MSD.

(Bottom) 300gr per foot Det Cord Strip 6" 6-wrap

N.E.W.: .046 lbs TNT Single Primed

MSD: 6.4'

Notes: Increased target effect using only 48% of the N.E.W. of the conventional charge.

Proprietary / Unclassified

U.S. Patent No.'s 11,719,517 & 11,255,646



Proprietary / Unclassified

8" BreachPop® #1 C2 Comparison Test



Target: Solid Wood Door

**(Top) 12" BreachPop #1 loaded 12"x0.5" C2 Sheet Explosive + 6" 54gr Det Cord tail
N.E.W.: .041 lbs TNT Single Primed
MSD: 6.2'**



**(Bottom) C4 Duct Tape Strip Charge
(12"x0.5" C4 Sheet Explosive)
N.E.W.: .066 lbs TNT Single Primed
MSD: 7.2'**

Notes: Greater target effect with 62% of the N.E.W. of the conventional charge.

Proprietary / Unclassified

U.S. Patent No.'s 11,719,517 & 11,255,646



Proprietary / Unclassified

BreachPop[®] #1 C2 Comparison Test



Target: Solid Wood Door

(Top) BreachPop #1 Mini-Nunchuk loaded with 5"x0.5" C2 Sheet Explosive each and linked with 8" 50gr det cord

N.E.W.: .038 lbs TNT Single Primed

MSD: 6'



(Bottom) C4 Duct Tape Strip Charge (12"x0.5" C4 Sheet Explosive)

N.E.W.: .066 lbs TNT Single Primed

MSD: 7.2'

Notes: Increased target effect with 57% of the N.E.W. of the conventional charge.

Proprietary / Unclassified

U.S. Patent No.'s 11,719,517 & 11,255,646



Proprietary / Unclassified

BreachPop[®] #1 C2 Comparison Test



Target: Metal Push Door

(Top) BreachPop #1 loaded with 10"x0.5" C2 Sheet Explosive

N.E.W.: .041 lbs TNT Dual Primed

MSD: 6.2'

This charge is effective with 8"x0.5" C2 with an N.E.W. of .033lbs TNT



(Bottom) 300gr Hockey Puck (6' 50gr Det Cord)

N.E.W.: .083 lbs TNT Dual Primed

MSD: 7.8'

Notes: Equivalent target effect with 49% of the N.E.W. in an easier to transport package.

Proprietary / Unclassified

U.S. Patent No.'s 11,719,517 & 11,255,646



Proprietary / Unclassified

BreachPop[®] #3 50gr Comparison Test



Target: Metal Push Door

**(Top) BreachPop #3 Mini-Nunchuck loaded with
36" of 50gr Det Cord
N.E.W.: .045 lbs TNT Dual Primed
MSD: 6.4'**



**(Bottom) 300gr Hockey Puck (6' 50gr Det Cord)
N.E.W.: .083 lbs TNT Dual Primed
MSD: 7.8'**

**Notes: Equivalent target effect with 54% of the
N.E.W. in an easier to transport package.**

Proprietary / Unclassified

U.S. Patent No.'s 11,719,517 & 11,255,646



Proprietary / Unclassified

BreachPop[®] #3 50gr Comparison Test



Target: Solid Wood Push Door

**(Top) BreachPop #3 Mini-Nunchuck loaded with
36" of 50gr Det Cord
N.E.W.: .042 lbs TNT Single Primed
MSD: 6.2'**



**(Bottom) C4 Duct Tape Strip Charge
N.E.W.: .066 lbs TNT Single Primed
MSD: 7.2'**

**Notes: Equivalent target effect with 64% of the
N.E.W. using commonly available military
detonating cord.**

Proprietary / Unclassified

U.S. Patent No.'s 11,719,517 & 11,255,646



Proprietary / Unclassified

BreachPop[®] #1 Linear Comparison Test



Target: Solid Wood Door (Hinge Side)

**(Top) BreachPop #1 Bi-Fold Linear
(1-Strand 50gr)**

N.E.W.: 0.092 lbs TNT Dual Primed

MSD: 8.0'



**(Bottom) 100gr per foot Bi-Fold Linear
(2-wrap 50gr)**

N.E.W.: 0.179 lbs TNT Dual Primed

MSD: 10.1'

Notes: Equivalent target effect.

***Conventional charge increased N.E.W. by 100%*
2-wrap linear produced 266% the blast
over pressure of the BreachPop bi-fold linear**

Proprietary / Unclassified

U.S. Patent No.'s 11,719,517 & 11,255,646



Proprietary / Unclassified

BreachPop® #3 Comparison Test



Target: Solid Wood Pull Door (Hinge Side)

(Top) BreachPop #3 Mini-Nunchuck Sliding Hinge Charge

N.E.W.: .124 lbs TNT Dual Primed

MSD: 8.9'



(Bottom) 100gr per foot Folding Linear (2-Strand 50gr)

N.E.W.: .179 lbs TNT Dual Primed

MSD: 10.1'

Notes: Equivalent target effect with 69% of the N.E.W.

Proprietary / Unclassified

U.S. Patent No.'s 11,719,517 & 11,255,646



Proprietary / Unclassified

BreachPop[®] Training Charge Test



Target: 2x6 Insert for Internal Door Charge Training

**Charge #1: BreachPop #1 loaded with 9" of 50gr Det Cord
N.E.W.: .013 lbs TNT**

Blast Gauge Recording: AVG 3.3 PSI at 1 yard

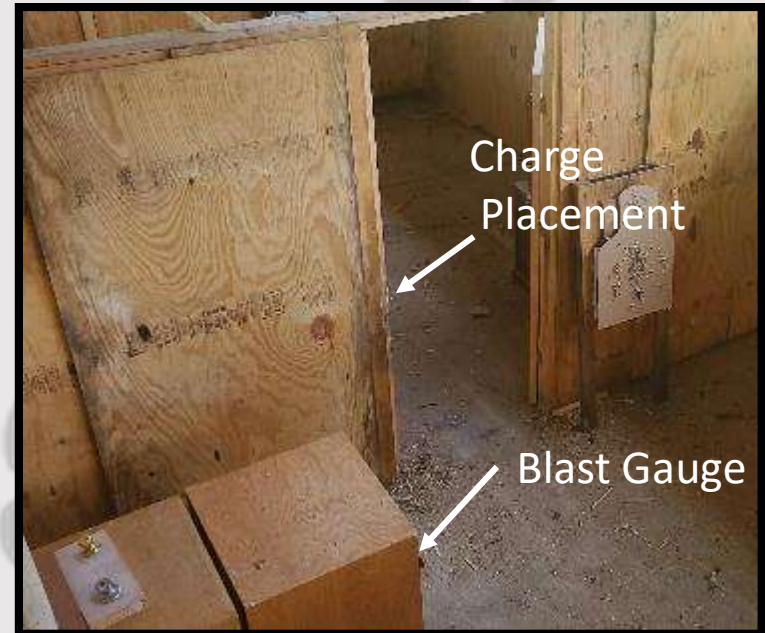
**Charge #2: 10" Single Strand Duct Tape Strip
N.E.W.: .014 lbs TNT**

Blast Gauge Recordings: Average 5.3 PSI at 1 yard

*****BreachPop reduced blast pressure exposure by 40%*****



[Click for link to video](#)



Proprietary / Unclassified

U.S. Patent No.'s 11,719,517 & 11,255,646



BreachPop® Training Charge Test II



The BP1-8 C2 charge was compared against a commonly utilized training charge of 8" 300gr ECT for blast overpressure, N.E.W., and target effects.

Below is a summary of the results and the testing protocol.

Charge	Peak OP (PSI)	Total Pos. Impulse	Charge	N.E.W.	N.E.W.	Average PSI (Peak)	Average PSI (Total Pos. Impulse)
BP1-8	1.00	2.8	8" 300gr ECT	0.072 lbs TNT	22.63 grams	1.24	2.97
BP1-8	0.9	2.8	BP1-8 C2 Sheet	0.049 lbs TNT	15.57 grams	0.95	2.08
BP1-8	0.8	1.5	BreachPop N.E.W. % Reduction	-32%	-31%		
BP1-8	Below instrument threshold of 0.5 PSI		BreachPop PSI % Reduction			-23%	-30%
BP1-8	Below instrument threshold of 0.5 PSI		Protocol: An observer wearing the latest generation of Black Box Biometric's Blast Gauge® experienced a series of five explosive breaches, repeated four times. The first two five-breach iterations utilized the BreachPop #1 8" (BP1-8) Tamped Charge Container loaded with C2 sheet explosive. The second two iterations of five breaches used a standard 8" long piece of 300gr ECT for comparison. Each five-breach series' was identical in location, target, and sequence. The observer stood in the same position on the catwalk relative to each breach during the series to reduce error related to reflective pressures inside the structure from iteration to iteration. Target effects were indistinguishable, despite the 32% reduction in Net Explosive Weight (N.E.W.) pounds TNT equivalent afforded by the BreachPop.				
BP1-8	1.3	2.2	Note: Ten total BreachPop Charges were fired. The instruments threshold for reading overpressure is 0.5 PSI. Four BreachPop charges were fired, but not calculated into the average for Peak Overpressure or Total Positive Impulse as they were below 0.5 PSI and did not register on the gauges. If those charges barely failed the threshold by generating 0.45 PSI, the Average PSI (Peak Overpressure) would be reduced to 0.75 PSI, resulting in a 40% reduction in overpressure. It is possible they were even lower.				
BP1-8	0.8	2.8					
BP1-8	0.9	0.4					
BP1-8	Below instrument threshold of 0.5 PSI						
BP1-8	Below instrument threshold of 0.5 PSI						
300gr ECT	1.3	3.8					
300gr ECT	1.3	2					
300gr ECT	1.5	2.6					
300gr ECT	1.3	2.9					
300gr ECT	1	2.6					
300gr ECT	1.5	2.5					
300gr ECT	1.3	3.5					
300gr ECT	1.3	4.4					
300gr ECT	1.2	4.2					
300gr ECT	0.7	1.2					



Hollow Core Door

DetCord BreachPop® #1 IDC



Results: Positive Breach on a Hollow Core Push Door with 7" of 50gr Det Cord

The latch was removed entirely and deposited a couple of feet inside the room. The exterior knob was removed and landed just outside the door. The strike plate remained attached to the frame. No part of the charge casing penetrated a cardboard witness panel placed 90 degrees from the charge at MSD (4').

Comments: This charge will also split a 2x6 wooden training insert used in many training facilities, making it the perfect low N.E.W. / PSI charge to use during tactical training while maintaining the same movement patterns as when using a full power operational charge



Hollow Core Door

DetCord BreachPop® #2 Direct Prime IDC



Results: Positive Breach on a Hollow Core Push Door with 8" of 50gr Det Cord

The latch was removed from the door and deposited a few feet inside the room. The interior and exterior knobs remained fixed to the door. No part of the charge casing penetrated the cardboard witness panel placed 90 degrees from the charge at MSD (4').

Comments: This charge will also split a 2x6 wooden training insert used in many training facilities, making it the perfect low N.E.W. / PSI charge to use during tactical training while maintaining the same movement patterns as when using a full power operational charge



Solid Wood Door

BreachPop® #1 C2 7" Strip



N.E.W.: .025 LBS TNT
MSD: 5.2'

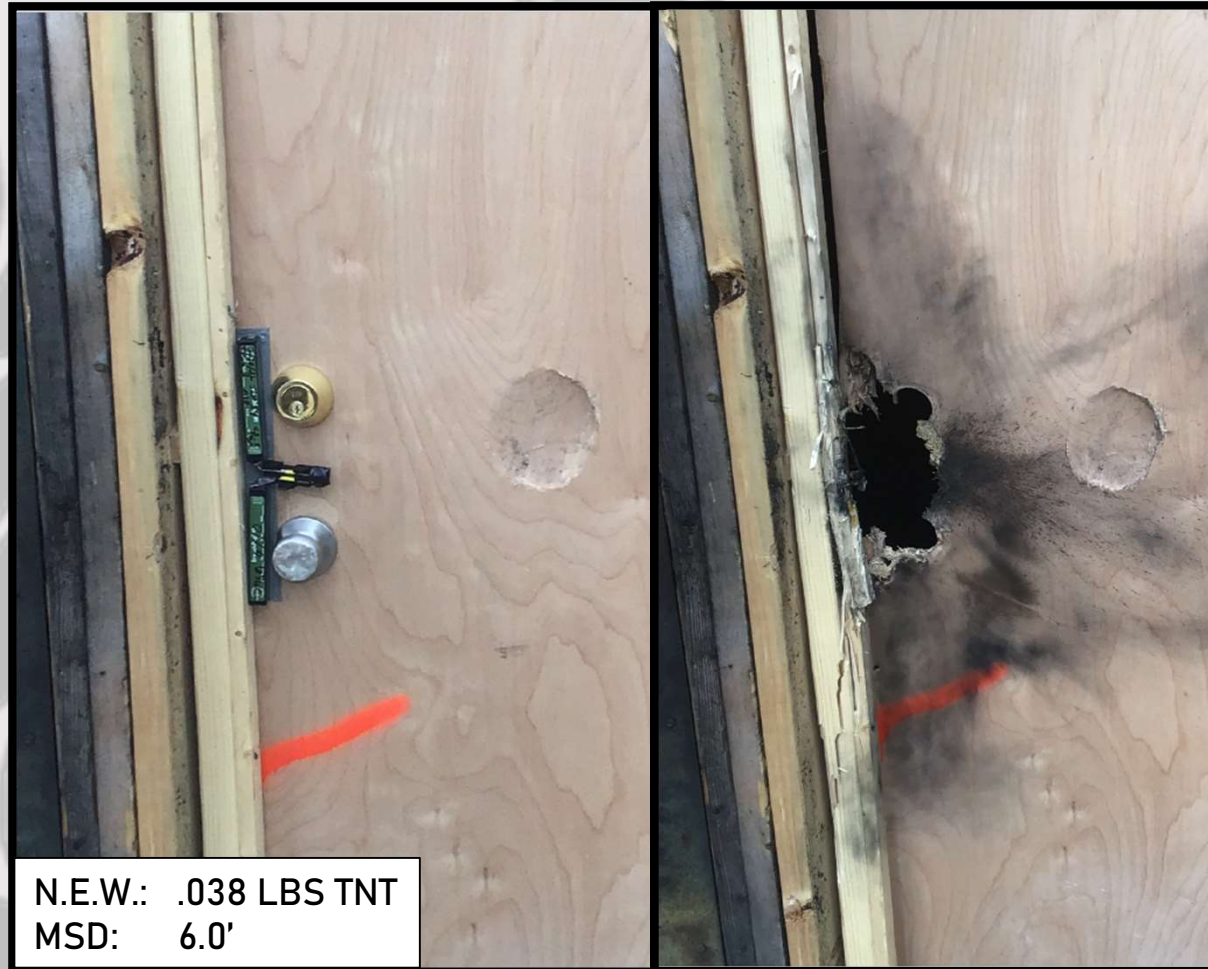
Results: Positive Breach on a Solid Wood Push Door with .5" x 7" C2 Sheet Direct Primed (can also be primed with an 8" det tail – see build instructions).

Comments: The door latch was completely removed from the door. The strike plates and frame were significantly damaged by the explosives.



Solid Wood Door

BreachPop® #1 C2 Mini-Nunchuk



N.E.W.: .038 LBS TNT
MSD: 6.0'

Results: Positive Breach on a Solid Wood Push Door, Deadbolt-Doorknob using .5"x5" C2 in each BP#1 connected with 9" 50gr Det Cord and center primed us a K-Factor Breaching K-Clip.

The door latch and deadbolt were completely removed from the door. The strike plates and frame were significantly damaged by the explosives. Same results obtainable with C1.5 or 3/8" wide C2 to lower N.E.W.

Comments: Charge folds to an OAL of only 5" (plus the tail) for easy carriage in a magazine pouch. Add rubber buffer for light metal door. The connecting det cord can be lengthened if deadbolt/doorknob spacing is greater than standard.



Solid Wood Door

DetCord BreachPop® #2 Mini-Nunchuk



Results: Positive Breach on a Solid Wood Push Door with 23" of 50gr Det Cord
The deadbolt and door latch were both removed from the door. The strike plates remained attached to the door frame.



Solid Wood Door

Detcord BreachPop® #3 Mini-Nunchuck



Results: Positive Breach on a Solid Wood Push Door with 36" of 50gr Det Cord
The deadbolt and door latch were both removed from the door. The strike plates remained attached to the door frame.



Solid Wood Door

8" BreachPop® #1 C2 Strip Charge



N.E.W.: .041 LBS TNT
MSD: 6.1'

Results: Positive Breach on a Solid Wood Push Door with .5" x 12" C2 Sheet + 6" 50gr Tail; Dual Primed

The deadbolt and door latch were both removed from the door, as was a portion of the frame.



Solid Wood Door

BreachPop® #3 Sliding Hinge Charge



N.E.W.: .115 LBS TNT
MSD: 8.7'



Results: Positive Breach on a Solid Wood Pull Door with 110" total of 50gr DetCord; Dual Primed
The door was separated from the frame at each hinge and deposited through the frame, on the inside.



Solid Wood Door

BreachPop® #1 36" Bi-Fold Linear



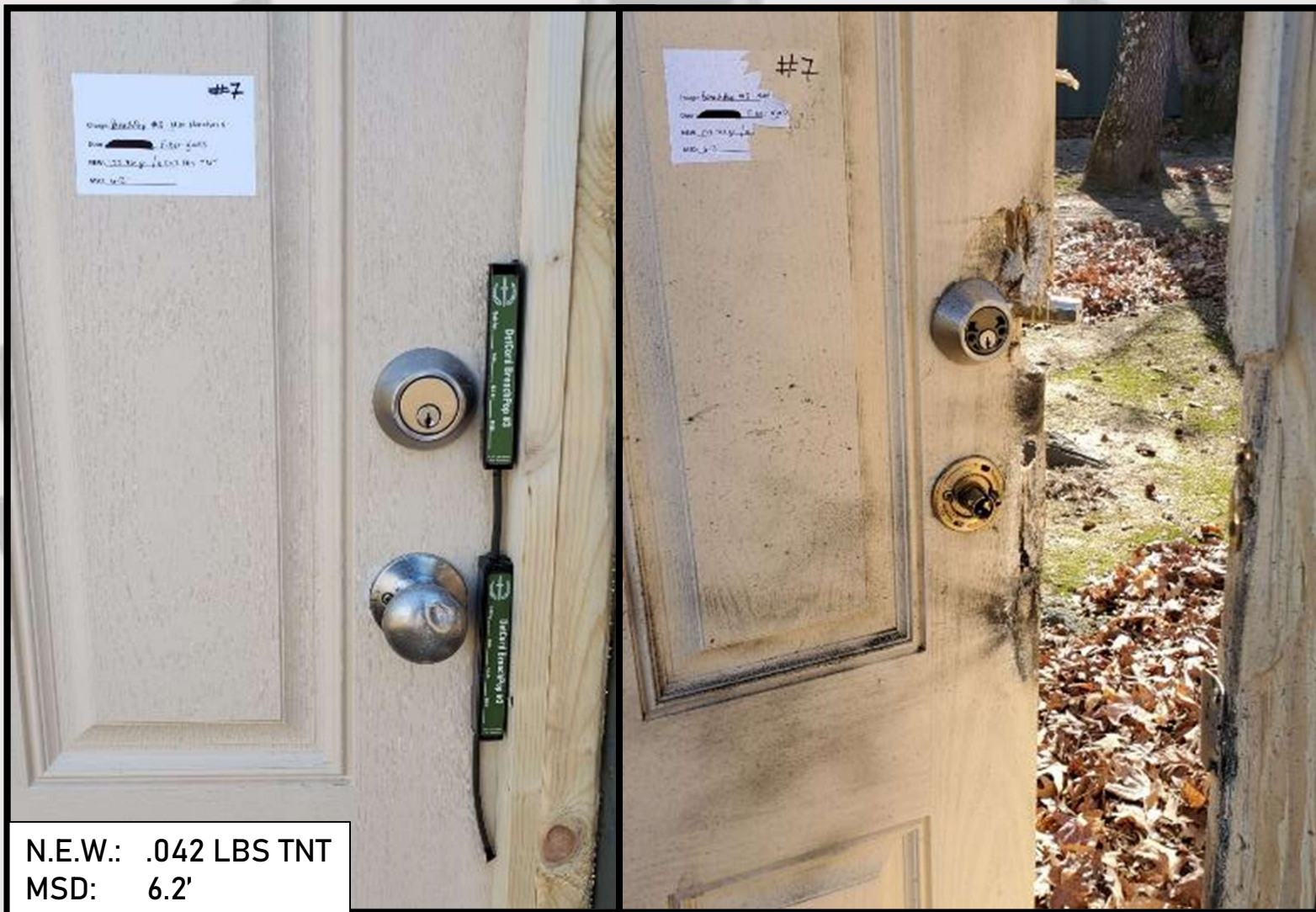
N.E.W.: .064 LBS TNT
MSD: 7.1'

Results: Positive Breach on a Solid Wood Push Door with 160" total of 18gr DetCord (36gr/ft); Dual Primed
The Bi-Fold Linear has been shown to reduce blast overpressure by 60% compared to the same N.E.W. duct-tape/foam linear.



Fiberglass Door

BreachPop® #3 Mini-Nunchuck



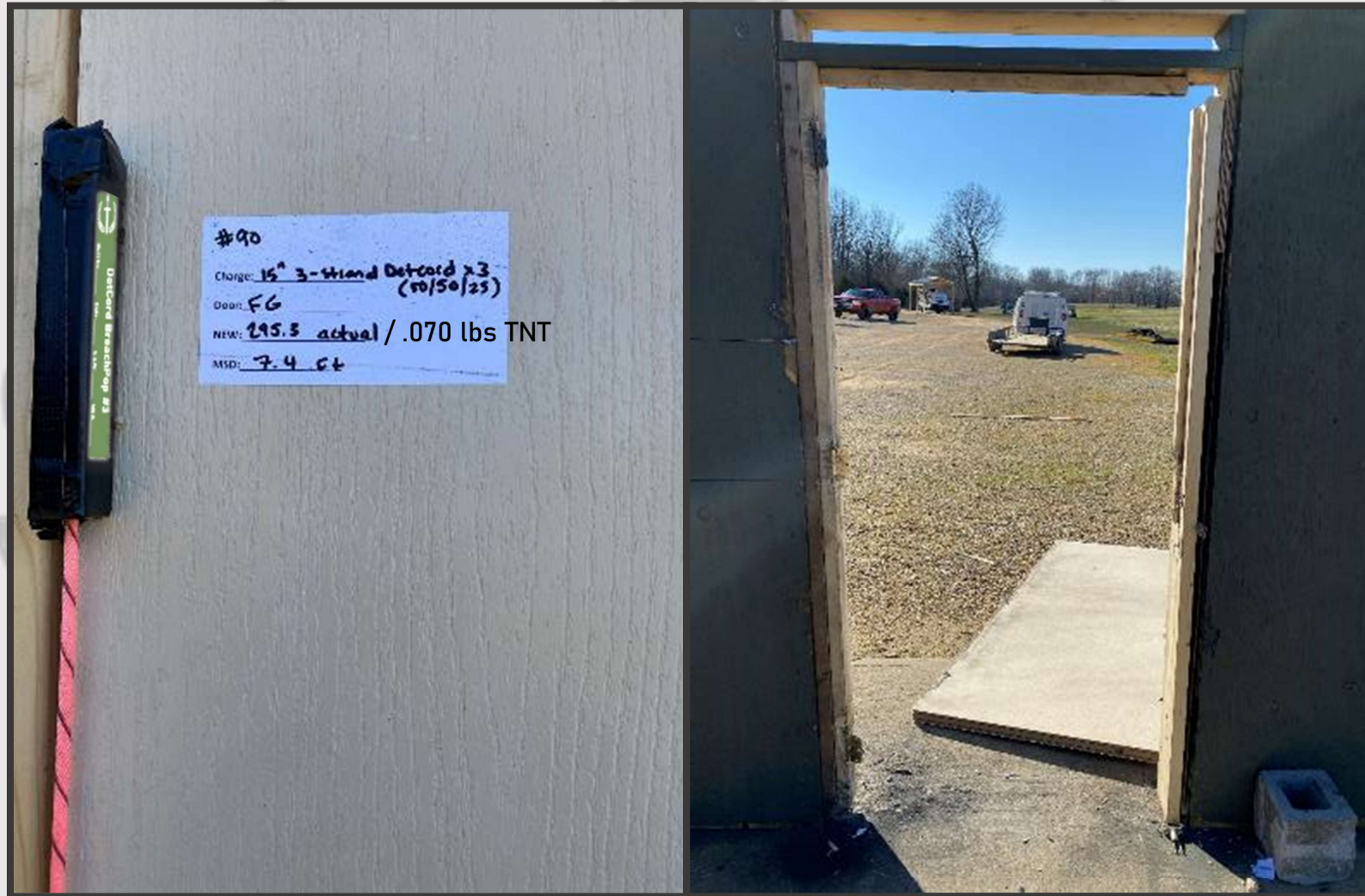
N.E.W.: .042 LBS TNT
MSD: 6.2'

Results: Positive Breach on a Fiberglass Push Door with 36" of 50gr Det Cord; Dual Primed
The deadbolt was bent out of the frame and the door latch was removed entirely. The deadbolt and latch strike plates remained attached to the frame.



Fiberglass Door

DetCord BreachPop® #3 Sliding Hinge Charge



#90
Charge: 15' 3-strand DetCord x3
(50/50/25)
Door: FG
NEW: 295.5 actual / .070 lbs TNT
MSD: 7.4 ct

Results: Positive Breach on a Fiberglass Pull Door with 75" of 25gr and 30" of 50gr DetCord
The door was separated from the frame at each hinge and deposited minimal frag inside.

Comments: Sliding Hinge Charge is built with three BreachPops. The long strand was 75" of 25gr with an additional two pieces of 5" 50gr in each BreachPop. Recommend 80" so you can tie a securing knot in the top.



Class I Metal Door

BreachPop® #3 Mini-Nunchuk Rubber Push



N.E.W.: .039 LBS TNT
MSD: 6.1'

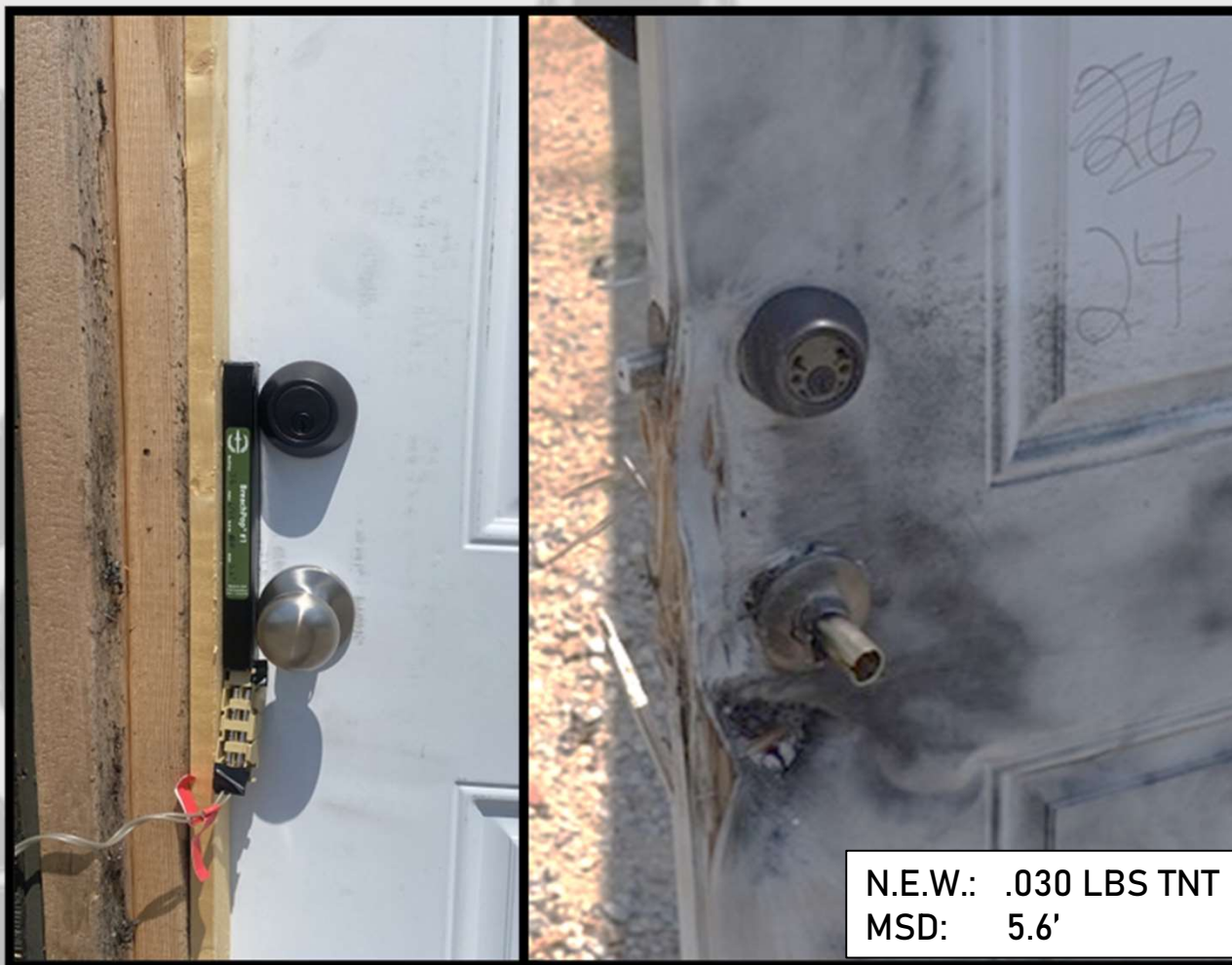
Results: Positive Breach on a Class I Metal Push Door with 33" of 50gr Det Cord
Deadbolt and door knob latch were bent out of the frame. Frame was significantly damaged, but the strike plates remained attached to the frame.

Comments: The Mini-Nunchuk drove the rubber pushing medium into the face of the door, bending the deadbolt and door latch out of their respective strike plates.



Class I Metal Door

8" BreachPop® #1 C2 Strip Charge Rubber Push



Results: Positive Breach on a Class I Metal Push Door with .5" x 10" C2; Dual Primed Deadbolt and door knob latch were bent out of the frame. Frame was significantly damaged, but the strike plates remained attached to the frame.

Comments: The charge drove the rubber pushing medium into the face of the door, bending the deadbolt and door latch out of their respective strike plates. Positive breaches have been achieved with a loading of C1.5.



Class I Metal Door

BreachPop® #3 Sliding Hinge Charge



N.E.W.: .115 LBS TNT
MSD: 8.7'

Results: Positive Breach on a Class I Metal Pull Door with 110" of 50gr DetCord; Dual Primed
The door was separated from the frame at each hinge and deposited through the frame, on the inside.



Class I Metal Door

BreachPop® #1 36" Bi-Fold Linear
BreachPop #1 18" Tri-Fold Linear



N.E.W.: .092 LBS TNT
MSD: 8.0'



[Click for link to video](#)

N.E.W.: .054 LBS TNT
MSD: 6.7'

Results: Positive Breach on a Class I Metal Push Door
(L) 86" of 50gr Det Cord as a bi-fold linear
(R) 132" total of 18gr Det Cord (36gr/ft) as a 66" long tri-fold linear

Both charges utilized 5mm rubber pushing medium on the face of the charge for a pushing effect.



Class I Metal Door

Grilled Security Door & Storm Door over C1 Metal BreachPop #1 Bi-Fold Linear



N.E.W.: .207LBS TNT
MSD: 10.5'



N.E.W.: .207LBS TNT
MSD: 10.5'

Charge: BreachPop #1 Bi-Fold Linear loaded with 0.50"x36" C2 each BreachPop linked with 12" 50gr det cord

Results: Positive Breach on a Class I Metal Push Door behind Grilled Door (L) and Storm Door (R)

(L): Grilled Security Door had hinges opposite C1M door hinges; interior door removed from hinges and storm door disrupted so it could be opened by hand.

(R): Storm Door hinges on same side as C1M door hinges: both doors removed from structure – didn't even break the glass on the storm door!



Class II Metal Door

8" BreachPop® #3 with Rubber Pushing Medium



N.E.W.: .038 LBS TNT
MSD: 6.0'

Results: Positive Breach on a Class II Metal Door with 0.75" x 8" of C2 and Rubber; Dual Primed (Direct Primed) Only the deadbolt was targeted directly and it was twisted out of the locking mechanism. The blast broke the door handle latch but the deadbolt and door handle remained attached to the door.

Comments: Heavy metal door with metal frame simulating what is found in commercial buildings. Charge was direct primed, but may be built with an 8" Det Cord Tail or 21CBK Safe Connector



Class II Metal Door

BreachPop® #3 16" Tri-Fold Linear



N.E.W.: .181 LBS TNT
MSD: 10.1'

Results: Positive Breach on a Class II Metal Push Door with 176" total of 50gr DetCord; Dual Primed 5mm rubber pushing medium used on the face of each BreachPop to achieve a pushing effect.



Specialty Tools

J&N Tactical Mk-7 Breaching Pole



Target: Class I Metal Push – Hinge Side
Charge: BP#1 Tri-Fold Linear 66" 50gr
N.E.W.: .069 lbs TNT
MSD: 7.3'

Results: Positive Breach! Door displaced from hinges.



Target: Class I Metal Push
Deadbolt/Doorknob
Charge: BP#1 C2 Mini-Nunchuk
N.E.W.: .034 lbs TNT
MSD: 5.8'

Results: Positive breach! Door pushed completely open (pulled closed for results photo). Deadbolt and doorknob completely disrupted



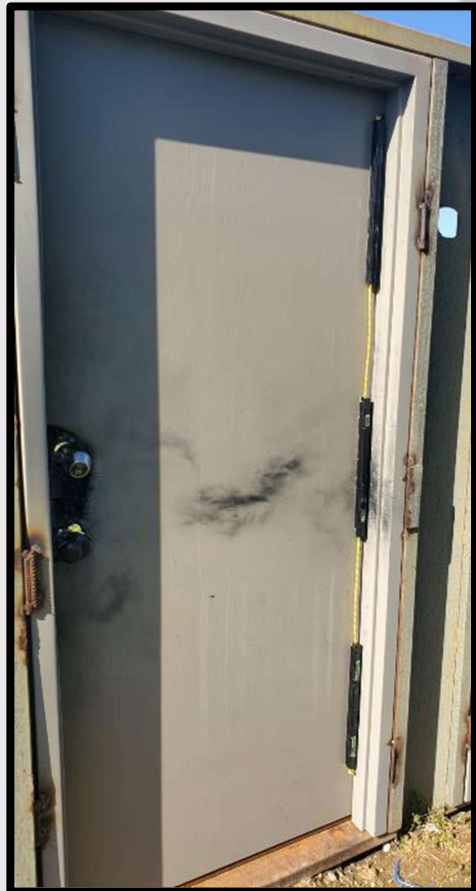


BreachPop[®]

Tamped Charge Containers



0.5" x 15" C2 Strip



16" BP#3 Tri-Fold Slider does it on a Class II metal door!



3-wrap Tri-Fold that folds into an 18" long package for carriage and transport



Single Strand Det Cord
15" Training Strip!



Bi-Fold Linear with a single strand of 50gr Det Cord on a light metal door! BOOM!



BreachPop®

Test and Evaluation Packs



****Add a linear of your choice to any T&E Pack for \$100****
All linears ship with 1"x75" 5mm rubber to build a pushing charge

"The Basic" T&E Pack – 9 BreachPops® + T-Shirt + 1"x36" 5mm Rubber Pushing Medium

\$249.00

The Basic T&E Pack lets you evaluate the BreachPops on targets likely to be found in residential structures, from hollow core doors to Fiberglass and Class I Metal Push doors. Cut the rubber to length/width with scissors to build a pushing charge on metal doors.

- (2) BreachPop #1-5"** to build a det cord IDC and a C2 IDC **(1) BreachPop #2-5"** to build two det cord IDCs
- (4) BreachPop #3-5"** to build mini-nunchucks for a solid wood door and a class I metal door
- (2) BreachPop #1-8"** to build C2 Strip Charges for a class I metal door and a solid wood door

"The Standard" T&E Pack – 17 BreachPops® + T-Shirt + 1"x36" 5mm Rubber Pushing Medium

\$499.00

The Standard T&E Pack lets you evaluate each of the standard 5" BreachPops on targets ranging from hollow core doors to class II metal doors PLUS gives you some of the extended 8" BreachPops to build longer lock strip charges. Cut the rubber to length/width with scissors to build a pushing charge on metal doors.

- (3) BreachPop #1-5"** to build det cord and C2 IDCs **(1) BreachPop #2-5"** to build a det cord IDCs
- (7) BreachPop #3-5"** to build two mini-nunchucks to be use on a solid wood door, a class I metal door, or a fiberglass door, plus a sliding hinge charge for use on a solid wood, fiberglass or class I metal push door
- (2) 45° BreachPop #2-5"** to build a mini-nunchuck for a fiberglass door
- (2) BreachPop #3-8"** to build a C2 Strip for a Class II metal door and a det cord strip for a solid wood door
- (3) BreachPop #1-8"** to build C2 Strip Charges for class I metal door and solid wood doors



BreachPop®

Test and Evaluation Packs



****Add a linear of your choice to any T&E Pack for \$100****
All linears ship with 1"x75" 5mm rubber to build a pushing charge

"The Presentation" T&E Pack – 30 BreachPops® + 1 BreachPop Linear + 2 T-Shirts + 2 1"x75" 5mm Rubber Pushing Medium
\$999.00

The Presentation T&E Pack gives you the opportunity to replicate a majority of the charges in this presentation using doors in your AO to verify load data before going operational with the BreachPop®. Cut the rubber to length/width with scissors to build a pushing charge on metal doors.

(6) BreachPop #1-5" to build det cord and C2 IDCs plus low-N.E.W. mini-nunchucks for training

(4) BreachPop #2-5" to build two det cord IDCs and a mini-nunchuck

(12) BreachPop #3-5" to build mini-nunchucks to be used on a solid wood door, a class I metal door, and a fiberglass door, plus a sliding hinge charge for use on a solid wood and class I metal pull door

(1) BreachPop #1-12" and (1) BreachPop #3-12" to build 12" strip charges for solid wood doors with door knob / dead bolt combos

(3) 8" BreachPop #1-8" to build C2 strips for solid wood and class I metal doors, plus a low-N.E.W. det cord trainer

(3) 8" BreachPop #3-8" to build lock strip charges for class II metal doors with C2 and 8" det cord strips

(1) BreachPop #1 Bi-Fold Linear to build a det cord linear for a solid wood door

"Master Breacher" T&E Pack – 45 BreachPops® + 3 BreachPop® Linears + 2 T-Shirts + 3 1"x75" 5mm Rubber Pushing Medium
\$1,599.00

The Master Breacher T&E Pack allows the seasoned Breacher to use this presentation and the BreachPop Common Loads and Build Instructions document to complete a thorough evaluation of the BreachPop technology and incorporate the BreachPop into training to validate team TTPs prior to operational implementation. Cut the rubber to length/width with scissors to build a pushing charge on metal doors.

(10) Breachpop #1-5"

(5) BreachPop #2-5"

(12) BreachPop #3-5"

(5) Breachpop #1-8"

(2) BreachPop #2-8"

(5) BreachPop #3-8"

(2) BreachPop #1-12"

(2) BreachPop #2-12"

(2) BreachPop #3-12"

(1) BreachPop #1 Bi-Fold Linear

(1) BreachPop #1 Tri-Fold Linear

(1) BreachPop #3 Tri-Fold Linear



BreachPop®

Sales Packs



BreachPop® Bulk Pack

\$3499.00

The BreachPop Bulk Pack is comprised of low-N.E.W. training charges that replicate the carrying, feel and application of full power charges while delivering significantly less overpressure during breaching training using bare det cord. By using C2 sheet explosive, you can build operational strength charges with the same BreachPops #1 you use for training.

These are in the form of the BreachPop #1-5", BreachPop #1-8", BreachPop #1-18" and the BreachPop #1 Bi-Fold

(40) BreachPop #1 to build (20) Training Interior Charges and (10) Training Mini-Nunchuks (Use C2 for operational strength)

(40) 8" BreachPop #1 to build (40) Training Strip Charges (Use C2 for operational charge strength)

(15) 18" BreachPop #1 to build (4) Tri-Fold Linears (C2 on commercial doors) and (3) Det Cord Strips (C2 operational strength)

(5) BreachPop #1 Bi-Fold Linears to build (5) Fully Tamped Linear Charges (Use C2 for commercial doors)

*****Substitute BreachPop #3 one-for-one at no additional cost*****

50 BreachPop® Bulk Packs (specify BreachPop #1, #2 or #3)

5" BreachPops - \$1199

8" BreachPops - \$1664

12"-18" BreachPops - \$1899

Bi-Fold Linears (100 36" BreachPops)- \$5225

Depending on the explosives most commonly used by your unit, you will need different BreachPops for operational charges. Upon completion of a Test & Evaluation Program, you will have a better understanding of which BreachPops are right for you. The above quantities allow your unit to take advantage of the volume purchase pricing available when buying 50+ of the same BreachPop.

Refer to the BreachPop Common Loads and Build Instructions for more information on standard loads by BreachPop.

Custom BreachPop T&E and Sales Packs are available upon request

Additional Bulk Pricing for 200 and 500 BreachPops available at the end of the presentation



BreachPop®

Tamped Charge Containers



Manufacturer Part Number			Description	Unit Price
BP1-5	BP2-5	BP3-5	5" BreachPop	\$25.00
BP1-8	BP2-8	BP3-8	8" BreachPop	\$35.00
BP1-12	BP2-12	BP3-12	12" BreachPops	\$40.00
BP1-15	BP1-18	BP3-16	15", 16", 18" BreachPop	\$40.00
BP1-36	BP3-36		36" BreachPop	\$110.00/pair

Accessories and Merchandise

- Breacher App License Key - \$9.99 per device
- ¾" x 25' Custom Cut Roll of Hydrogel - \$25.00
- 1"x50' BT-30 Breacher Tape - \$60.00
- 1" x 75' 3M 8069 Double Sided Tape - \$60.00

- BreachPop® T-Shirts (Next Level Athletic Fit) - \$20.00
- BreachPop® Hats - \$25.00

BreachPop, LLC

Veteran Owned Small Business

DUNS Number: 102360175

CAGE Code: 8JXK4

For more information please contact us at info@breachpop.com

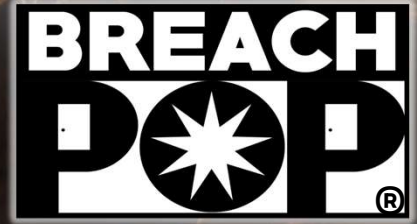
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Terms of Use, Warning and Disclaimer

When loaded with explosives, the BreachPop is a fundamentally dangerous product. Improper application may result in serious injury or death. P3D Solutions, Inc and BreachPop, LLC assume no liability, express or implied, from the use or misuse of this breaching apparatus. While shot data has been gathered in the development of this product, there is no warranty, express or implied, resulting from the use of said data.





BreachPop® Price List 2023

Product	Unit Price	50-Pack	200-Pack	500-Pack
8" BreachPop	\$35.00	\$1,662.50 \$33.25/unit	\$6,510.00 \$32.55/unit	\$15,750.00 \$31.50/unit
12", 15", 16" & 18" BreachPops	\$40.00	\$1,900.00 \$38.00/unit	\$7,440.00 \$37.20/unit	\$18,000.00 \$36.00/unit
24" & 28" BreachPops	\$50.00	\$2,375.00 \$47.50/unit	\$9,300.00 \$46.50/unit	\$22,500.00 \$45.00/unit
36" BreachPops	\$55.00	\$2,612.50 \$52.25/unit	\$10,230.00 \$51.15/unit	\$24,750.00 \$49.50/unit

Invoice/Quote/Estimate Instructions:

Request an estimate or invoice for a quantity of BreachPops by Manufacturer Part Number from info@breachpop.com; or complete the attached order form

Manufacturer Part Number convention for the BreachPop is as follows:

8" BreachPop #1 is Part Number "BP1-8"

12" BreachPop #3 is Part Number "BP3-12"

BreachPops in lengths not listed will incur a 10% surcharge for custom production relative to their length. (Ex.: a 14" BreachPop would be \$44.00)

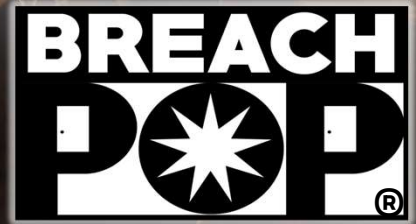
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Patent 11,255,646

Easy to Build, Easy to Carry, Easy to Deploy

www.BreachPop.com



BreachPop[®] Order Sheet

BreachPop	Unit x1	50-Pack	200-Pack	500-Pack
(Example) BP1-8	25		1	1
BP1-8				
BP1-12				
BP1-15				
BP1-18				
BP1-36				
BP2-8				
BP2-12				
BP3-8				
BP3-12				
BP3-16				
BP3-36				
BP#___-___"				
BP#___-___"				

****The example row shows an order for 725 BreachPop #1, 8" Long****

Above are the most commonly ordered BreachPops. If you need a BreachPop not listed, fill it in on the final line using the BP#-Length naming convention.

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