



TA TARGETS

V-FLEX SELF-HEALING RUBBER TARGET

C-Zone · Hybrid Reduced C-Zone · User Manual

Inspiring individuals to become capable providers and protectors.



V-FLEX Target mounted on a 1x2 board, front face showing embossed TA logo.



V-FLEX Target set up on the range, shown with other TA Targets steel systems.



Embossed TA logo, cut directly into the rubber face.



Textured target surface, showing the mount-grip finish.

VERSION	EFFECTIVE DATE	DOCUMENT OWNER	SECTION
1.0	Pending Release	Jared Daub	Tab 13 / MAN-002



TABLE OF CONTENTS

1.0	Universal Firearm Safety Rules	3
2.0	PPE and Handling Requirements	3
3.0	Material Identification	3
4.0	Product Overview and Configurations	4
5.0	Assembly and Mounting Instructions	6
6.0	Connections Reference	7
7.0	Safe Shooting Distances	9
8.0	Approved and Prohibited Ammunition	9
9.0	Expected Wear and Tear	10
10.0	Maintenance	11
11.0	Warranty	12
12.0	Contact Us	14
13.0	Bill of Materials / Hardware Kits	14
14.0	Revision History	15

**1.0****Universal Firearm Safety Rules**

Before using any TA Targets product, read this entire manual and the Safe Shooting Pamphlet included with your shipment. These rules apply every time you handle a firearm, regardless of which TA Targets system you are shooting.

- Treat every firearm as if it is loaded, at all times.
- Never point a firearm at anything you are not willing to destroy.
- Keep your finger off the trigger until your sights are on target and you have made the decision to fire.
- Always be sure of your target and what is beyond it.
- Obey all local, state, and federal firearm laws that apply to your location.
- Never alter or misuse a TA Targets system for a purpose it was not designed for.

STOP IF IN DOUBT

If you have any question about the safe or proper use of this target system, contact TA Targets before shooting. Cease use immediately if you are unsure a setup is correct.

2.0**PPE and Handling Requirements**

Steel target systems can produce fragmentation, splatter, and ricochet. V-FLEX rubber targets do not fragment the way steel does, but eye protection is still required any time you are handling a firearm. Standard everyday eyewear is not sufficient protection.

- Always wear ANSI-rated eye protection designed for firearm use.
- Always wear hearing protection rated for the firearm and ammunition in use.
- Keep bystanders and children behind the shooter, outside the ejection pattern of the firearm.

Firearms and spent projectiles involve lead exposure.

- Wash your hands and any exposed skin thoroughly after every range session, and always before eating, drinking, or touching your face.
- Avoid eating, drinking, or smoking on the firing line.
- Launder range clothing separately from other household laundry.

3.0**Material Identification**

Every V-FLEX Self-Healing Target, in both configurations covered by this manual, is cut from the same advanced self-healing ballistic rubber compound, the same material family used in TA Targets MOD1 and Titan Bullet Traps. There is no second material grade or color-coded variant offered for this product line.

Color and finish: solid black, front and back, on both the C-Zone and Hybrid Reduced C-Zone Target. The backside carries a textured surface for mount grip. Because only one material spec is offered, the Safe Shooting Distance table in Section 7.0 applies to both configurations without exception.

Thickness: 7/16" across both configurations.

4.0

Product Overview and Configurations

The V-FLEX line covers two configurations of the same self-healing rubber target. Both are cut in an IPSC/USPSA-style silhouette, with a tapered head-and-shoulder section above a full-width torso body, and are built to be shot repeatedly, without the cost or hassle of replacing paper or cardboard each session.

C-Zone Self-Healing Target (SKU: VRT-CZ-716)

- Shooting zone: 24" x 12"
- Overall size: 24" x 14" x 7/16"
- Weight: approximately 7 lbs
- Ships with (2) Shooting Target Clamps and (2) 3/8"-16 x 1.5" Thumbscrews

Hybrid Reduced C-Zone Self-Healing Target (SKU: VRT-HRCZ-716)

- Shooting zone: 14" x 8"
- Overall size: 15" x 8" x 7/16"
- Weight: approximately 5 lbs
- Ships with (2) Shooting Target Clamps and (2) 3/8"-16 x 1.5" Thumbscrews

Both configurations mount with the same TA Targets Shooting Target Clamps and are compatible with any TA Targets target base or a standard 1x2 board. Because the Hybrid Reduced footprint is smaller, it can be mounted on the same stand as a full-size C-Zone Target, letting a shooter work a stationary zone and a tighter, harder zone in the same setup, or build simple transition and movement drills without a second stand.



V-FLEX Target, front face.

5.0

Assembly and Mounting Instructions

Both configurations mount the same way, using the (2) Shooting Target Clamps and (2) 3/8"-16 x 1.5" Thumbscrews included with the target. The two configurations differ only in how those clamps are positioned on the target. Read the orientation requirement and the configuration difference below before mounting either target for the first time.

LOGO ORIENTATION: TA LOGO FACES THE SHOOTER

Mount the target with the embossed TA logo on the front side, facing the shooter. The Shooting Target Clamp and its thumbscrew sit on the backside of the target and the mounting board.

This is easy to get backwards. Confirm the logo faces the shooter before you tighten either thumbscrew.

General Mounting Steps

- Position the target against your mounting board or stand at the desired height, logo facing the shooter.
- Place each Shooting Target Clamp against the target and the mounting board, on the backside.
- Turn the 3/8"-16 x 1.5" Thumbscrew (TS38-16X15) into the board. As the thumbscrew threads in, the clamp bears down and presses the target against the board. This pressure, not the thumbscrew alone, is what holds the target in place.
- Continue turning the thumbscrew until the clamp holds the target firmly with no play.
- Do not overtighten. The rubber will compress slightly under normal clamp pressure; excessive torque is not required and can stress the clamp housing over time.
- Verify the target does not shift or rotate on the board before shooting. Re-tighten if any movement is present.



Shooting Target Clamp and thumbscrew, installed on the backside of the target and board.

CONFIGURATION DIFFERENCE: CLAMP PLACEMENT

C-Zone Target: the (2) Shooting Target Clamps split flush, one on each side of the target, matching the standard mounting pattern used across the TA Targets rubber target line.

Hybrid Reduced C-Zone Target: both Shooting Target Clamps mount to a single side of the target rather than splitting flush. This is a deliberate difference, not a scaled-down version of the same mounting pattern. It lets the smaller target hang loose off one edge instead of sitting flush against the board.



Hybrid Reduced C-Zone Target mounted with both Shooting Target Clamps on one side, showing the hanging orientation.

6.0

Connections Reference

There is one bolted connection type used across both V-FLEX configurations: the Shooting Target Clamp, secured with a 3/8"-16 x 1.5" Thumbscrew. This is the same connection referenced in Section 5.0; it is built once here and cross-referenced from there rather than duplicated. The thumbscrew threads directly into the mounting board; it is the clamp bearing down under that pressure, not the thumbscrew itself, that holds the target. The clamp mounts on the backside of the target and board; the embossed TA logo faces the shooter on the front (see Section 5.0).



Connection	Component	Part Number	Qty per Clamp
Target-to-Board Clamp	Shooting Target Clamp	Sold only in bundles, see Section 13.0	1
Clamp Fastener	3/8"-16 x 1.5" Thumbscrew	TS38-16X15	1



Shooting Target Clamp with 3/8"-16 x 1.5" Thumbscrew, the same component used on both configurations.



7.0

Safe Shooting Distances

Both the C-Zone and Hybrid Reduced C-Zone Target are cut from the same 7/16" rubber compound (see Section 3.0), so a single distance table applies to both configurations. These are recommended minimum distances.

Ammo	Type	Plate	Minimum Distance
Pistol	Ball / FMJ only	7/16" V-FLEX	5+ yd
Rifle	Ball / FMJ only	7/16" V-FLEX	10+ yd
Shotgun	Buckshot / Birdshot only, no slugs	7/16" V-FLEX	15+ yd

NEVER SHOOT CLOSER THAN THE LISTED MINIMUM

Engaging this target at closer distances, or with ammunition outside Section 8.0's approved list, can prevent the rubber from sealing and self-healing as designed, may void the warranty (Section 11.0), and may result in property damage or serious injury.

A PROPER BACKSTOP OR BERM IS REQUIRED

V-FLEX does not stop rounds. Rounds pass through the rubber; the target does not capture or contain them. You must run this target in front of a backstop or berm capable of fully containing every round and fragment. This is not optional.

A TA Targets Bullet Trap is one way to meet this requirement, but any backstop or berm that fully contains your rounds is acceptable. Never shoot this target without one.

8.0

Approved and Prohibited Ammunition

V-FLEX Self-Healing Targets are rated for ball or FMJ ammunition in pistol and rifle calibers, and buckshot or birdshot (no slugs) in shotgun. This is the ammunition type that allows the ballistic rubber to seal and self-heal as designed.

DO NOT USE THE FOLLOWING AMMUNITION

Hollow points

Flat-nose rounds

Slugs

Explosive rounds

Incendiary rounds

Running any ammunition outside the approved list will prevent the rubber from sealing and self-healing the way it is designed to, can cause damage the material cannot recover from, and voids the warranty (Section 11.0).

SHOTGUN WADS WILL BOUNCE OR RICOCHET

Unlike shot, a shotgun wad will not penetrate the target. It bounces or ricochets off the surface instead of passing through.

This is normal wad behavior with any target, not specific to V-FLEX, and is not a concern at the proper shooting distances in Section 7.0. Never shoot shotgun ammunition at this target closer than the 15+ yard minimum.

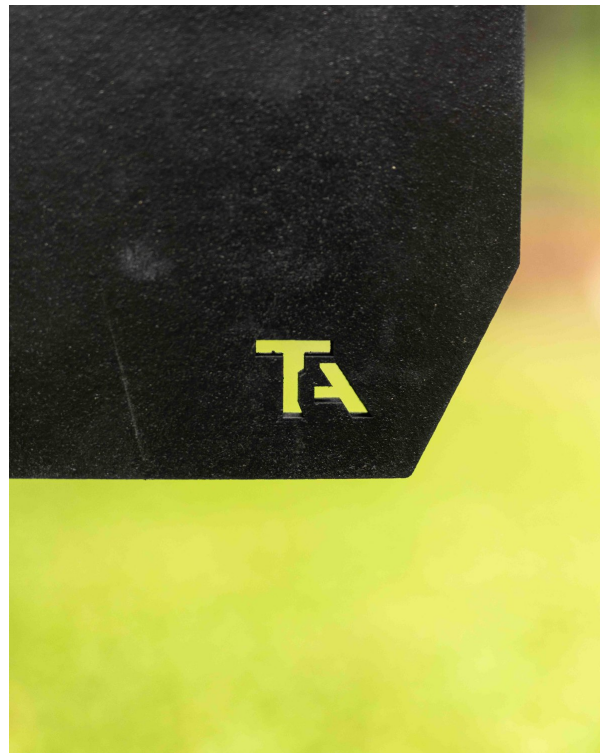
9.0

Expected Wear and Tear

The same wear expectations apply to both configurations, since both are cut from the same rubber compound. Over time, with proper ammunition and distances, the following is normal and is not a defect:

- Surface pockmarking from FMJ or ball rounds that has not progressed to a qualifying hole or tear (see Section 11.0)
- Minor discoloration or surface texture change from repeated use
- The embossed logo shot out and removed

Because the Hybrid Reduced C-Zone Target has a smaller shooting zone, repeated impacts concentrate over a smaller area. Rotating impact placement within the zone where a drill allows will extend the target's usable life, the same way it does on the full-size C-Zone.



Embossed TA logo. A logo shot out and removed during normal use is not a defect.

What is not normal wear, and instead signals the target needs replacement, is covered by the warranty threshold in Section 11.0 and the maintenance table in Section 10.0: a hole 3 inches or larger, or a tear 4 inches or larger.



10.0

Maintenance

Inspect both the target and the Shooting Target Clamps before every range session. Never shoot without a proper backstop or berm behind the target (see Section 7.0).

Component	What to Look For	Maximum Threshold	Action Step
Target Face	Holes or tears from ammunition impact	Hole 3" or larger in diameter, or a tear 4" or larger	Replace the target. Covered under the 3-year warranty if the damage occurred under proper ammunition and distance (Section 11.0).
Shooting Target Clamp	Cracking, deformation, or the clamp no longer holding the target securely once tightened	Any visible crack or break in the clamp housing, or the clamp fails to hold tension after tightening	Replace the Shooting Target Clamp. Not covered under warranty.
Thumbscrew (TS38-16X15)	Loosening during a range session	Target or clamp shifts on the mounting board during use	Re-tighten the thumbscrew by hand before continuing. Replace the thumbscrew if the threads are stripped.



11.0

Warranty

V-FLEX Self-Healing Targets are designed to be used exclusively with TA Targets manufactured Shooting Target Clamps. TA Targets backs the material itself under the terms below.

Coverage

Item	Spec	Term	Covers
Self-Healing Targets	7/16" Rubber	3-Year	Holes 3" or larger, or tears 4" or larger, under proper use.
Shooting Target Clamps	-	None	Guaranteed new and functional on arrival only. Replaceable at customer cost.

What Voids or Limits It**VOIDS THE WARRANTY**

Hollow point, flat-nose, slug, explosive, or incendiary rounds.

Shooting closer than the posted minimum distance for that ammo type (Section 7.0).

Mounting with anything other than TA Targets Shooting Target Clamps.

Normal Wear (Not a Defect)

- Surface pockmarking from FMJ/ball rounds that hasn't progressed to a qualifying hole or tear
- Minor discoloration or surface texture change from use
- Embossed logo shot out and removed

Never Covered

- Target Clamps, mounts, or other hardware
- Damage from prohibited ammunition types (Section 8.0)
- Theft, loss, or misuse

Filing a Claim

- Check eligibility. Original purchaser only; secondhand products are not eligible.
- Email us. Send photos of the damage and the ammunition used to info@tatargets.com, subject line "Warranty Claim." Include your order number and a short description of the failure.
- We respond within 7 business days. If approved, ship the damaged component to the address below.
- Inspection and replacement. We inspect within 7 days of receipt and ship a replacement within 14 days if approved. One replacement per component, no cash refunds.

3-YEAR ITEMS: FILE WITHIN 1096 DAYS OF PURCHASE

Claims filed after 1096 days (3 years) from the original purchase date are not eligible, regardless of the condition of the target.



Ship Approved Claims To	Keep On Hand For Tracking
TA Targets 424 West High Street Womelsdorf, PA 19567	Your TA Targets Order Number

For the complete, current warranty policy, see <https://tatargets.com/warranty/>



12.0

Contact Us

If you have any other questions, please contact our team and we will help you set up and maintain your V-FLEX target system.

Customer Service Email: info@tatargets.com

Phone: 1-833-746-4785, M-F during business hours

TA Targets, PO Box 212, Womelsdorf, PA 19567

13.0

Bill of Materials / Hardware Kits

Product SKUs

Product	SKU	Shooting Zone	Overall Size	Weight
V-FLEX C-Zone Self-Healing Target	VRT-CZ-716	24" x 12"	24" x 14" x 7/16"	~7 lbs
V-FLEX Hybrid Reduced C-Zone Self-Healing Target	VRT-HRCZ-716	14" x 8"	14" x 9" x 7/16"	~5 lbs

Clamp Kit (included with every target, both configurations)

Component	Part Number	Qty per System	Notes
Shooting Target Clamp	No single-unit SKU, see bundle SKUs below	2	Mounted flush (one per side) on the C-Zone; both mounted to one side on the Hybrid Reduced C-Zone. See Section 5.0.
Thumbscrew, 3/8"-16 x 1.5"	TS38-16X15	2 (1 per clamp)	Secures each Shooting Target Clamp to the mounting board.

Replacement Clamp Bundles

Every replacement bundle ships complete: each Shooting Target Clamp includes its own 3/8"-16 x 1.5" Thumbscrew (TS38-16X15). No separate thumbscrew order is ever needed.

SKU	Pack Size	Notes
TARGET-CLAMP-2PK	2 Shooting Target Clamps	Includes a TS38-16X15 Thumbscrew per clamp. No single-unit clamp SKU exists.
TARGET-CLAMP-4PK	4 Shooting Target Clamps	Includes a TS38-16X15 Thumbscrew per clamp. No single-unit clamp SKU exists.
TARGET-CLAMP-10PK	10 Shooting Target Clamps	Includes a TS38-16X15 Thumbscrew per clamp. No single-unit clamp SKU exists.



14.0

Revision History

Version	Date	Changed By	Description
1.0 (DRAFT)	September 2026	Austin Balmer	Built MAN-002 covering the V-FLEX C-Zone (VRT-CZ-716) and Hybrid Reduced C-Zone (VRT-HRCZ-716) Self-Healing Targets, per the MAN-SOP-001 standard: safety, PPE, material identification, product overview, assembly and mounting, connections reference, safe shooting distances, approved and prohibited ammunition, wear and tear, maintenance, warranty, contact information, and bill of materials. Renamed the product line from Vulcan-X to V-FLEX. Confirmed hardware: 3/8"-16 x 1.5" Thumbscrew (TS38-16X15), 2 per system; Shooting Target Clamps sold in TARGET-CLAMP-2PK, -4PK, and -10PK replacement bundles, each shipping complete with thumbscrews. Added the logo-orientation mounting requirement (TA logo faces the shooter; clamp and thumbscrew on the backside). Updated safe shooting distances and ammunition guidance to match the published V-FLEX warranty policy, and fully rebuilt Section 11.0 (Warranty) to match it: coverage, exclusions, claim filing, the 3-year filing window, and the claims ship-to address. Added real product photography throughout, replacing most placeholders. One remains open: a side-by-side size comparison of both configurations for Section 4.0.