

# TACOM HQ

## Command Results



## Alpha TARAC®

### Enhanced Max Point-Blank (MPB) Range & User Guide

V4.3

#### Cross Compatibility:

- Caliber 5.56, 6, 6.5, .300 BLK and 7.62
- Grains 55-175gr
- BC .243-.697
- Barrel length 7-20"
- Velocity 1000-3300 FPS

# Glossary

## Firing Solutions..... 3

- Super 5.56, 6, 6.5, and 7.62..... 5
- Super/Sub .300 BLK..... 8

## Attachment..... 9

## Adjustment..... 10

## Notes..... 12



# Firing Solutions

Cross-compatible across thousands of setups and platforms.

## Barrel Lengths

- 7—20"

## Zero

- 50m
- 100m

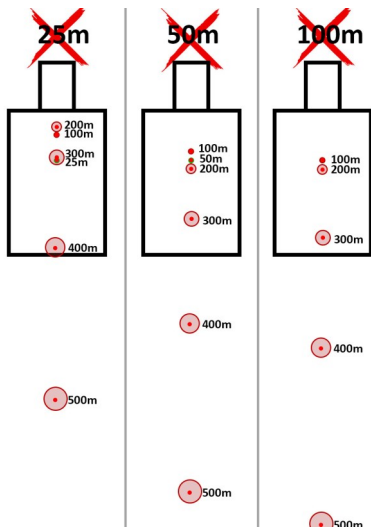
## Optics

- Thermals (in front)
- Reflex / Red Dot
- Holographic
- LPVO
- ELCAN
- Night Vision
- Iron sights

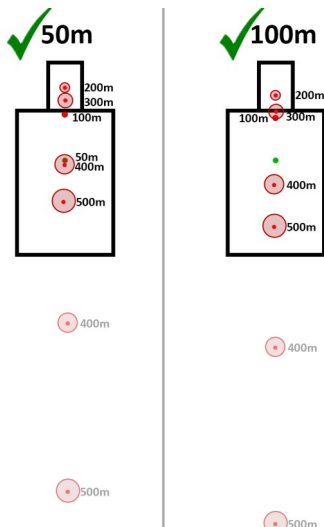


# Firing Solutions Cont

## Industry Zero



## MPB Zero<sup>1</sup>



<sup>1</sup>Eliminates holdover, range estimation, milling, speed drop, lasers, IR emissions, batteries, software, etc.

### Super | 1.50" | 50m Zero

Alpha TARAC®	Barrel Length	Target Size	Aim Center® Yds x1.1		Aim Top TGT Yds x1.1	
1.31 MIL   4.5 MOA	10–15"	14–18"	0	340	340	380
	16–20"	14–20"	0	370	370	410
1.75 MIL   6.0 MOA	10–15"	18–26"	0	380	380	420
	16–20"	20–26"	0	410	410	460
2.18 MIL   7.5 MOA	10–15"	26–32"	0	420	420	460
	16–20"	26–34"	0	460	460	510
2.62 MIL   9.0 MOA	10–15"	32–42"	0	460	460	500
	16–20"	34–44"	0	510	510	560

### Super | 1.50" | 100m Zero

Alpha TARAC®	Barrel Length	Target Size	Aim Center® Yds x1.1		Aim Top TGT Yds x1.1	
1.31 MIL   4.5 MOA	10–15"	12–16"	0	320	320	350
	16–20"	12–18"	0	340	340	380
1.75 MIL   6.0 MOA	10–15"	16–22"	0	350	350	400
	16–20"	18–24"	0	380	380	430
2.18 MIL   7.5 MOA	10–15"	22–28"	0	400	400	440
	16–20"	24–30"	0	430	430	480
2.62 MIL   9.0 MOA	10–15"	28–36"	0	440	440	490
	16–20"	30–38"	0	480	480	530

<sup>1</sup>Ranges in meters

<sup>2</sup>Stow Alpha for +/- 10" targets inside 300m

### Super | 1.98" | 50m Zero

Alpha TARAC®	Barrel Length	Target Size	Aim Center® Yds x1.1		Aim Top TGT Yds x1.1	
1.31 MIL   4.5 MOA	10–15"	16–20"	0	360	360	400
	16–20"	16–24"	0	390	390	440
1.75 MIL   6.0 MOA	10–15"	20–28"	0	400	400	440
	16–20"	24–30"	0	440	440	490
2.18 MIL   7.5 MOA	10–15"	28–36"	0	440	440	470
	16–20"	30–38"	0	490	490	540
2.62 MIL   9.0 MOA	10–15"	36–46"	0	470	470	520
	16–20"	38–48"	0	530	530	580

### Super | 1.98" | 100m Zero

Alpha TARAC®	Barrel Length	Target Size	Aim Center® Yds x1.1		Aim Top TGT Yds x1.1	
1.31 MIL   4.5 MOA	10–15"	12–18"	0	320	320	360
	16–20"	12–18"	0	350	350	390
1.75 MIL   6.0 MOA	10–15"	18–22"	0	360	360	410
	16–20"	18–24"	0	390	390	440
2.18 MIL   7.5 MOA	10–15"	22–30"	0	410	410	450
	16–20"	24–32"	0	440	440	490
2.62 MIL   9.0 MOA	10–15"	30–36"	0	450	450	490
	16–20"	32–40"	0	490	490	540

<sup>1</sup>Ranges in meters

<sup>2</sup>Stow Alpha for +/- 10" targets inside 300m

### Super | 2.26" | 50m Zero

Alpha TARAC®	Barrel Length	Target Size	Aim Center® Yds x1.1		Aim Top TGT Yds x1.1	
1.31 MIL   4.5 MOA	10–15"	16–22"	0	370	370	410
	16–20"	18–24"	0	400	400	450
1.75 MIL   6.0 MOA	10–15"	22–30"	0	410	410	440
	16–20"	24–32"	0	450	450	500
2.18 MIL   7.5 MOA	10–15"	30–38"	0	440	440	480
	16–20"	32–40"	0	500	500	540
2.62 MIL   9.0 MOA	10–15"	38–48"	0	480	480	530
	16–20"	40–50"	0	540	540	590

### Super | 2.26" | 100m Zero

Alpha TARAC®	Barrel Length	Target Size	Aim Center® Yds x1.1		Aim Top TGT Yds x1.1	
1.31 MIL   4.5 MOA	10–15"	12–18"	0	330	330	370
	16–20"	12–18"	0	350	350	390
1.75 MIL   6.0 MOA	10–15"	18–24"	0	370	370	410
	16–20"	18–24"	0	400	400	450
2.18 MIL   7.5 MOA	10–15"	24–30"	0	410	410	450
	16–20"	24–32"	0	450	450	490
2.62 MIL   9.0 MOA	10–15"	30–38"	0	450	450	490
	16–20"	32–40"	0	490	490	540

<sup>1</sup>Ranges in meters

<sup>2</sup>Stow Alpha for +/- 10" targets inside 300m

### Super .300 BLK | 50m Zero

Alpha TARAC®	Barrel Length	Target Size	Aim Center® Yds x1.1		Aim Top TGT Yds x1.1	
1.31 MIL   4.5 MOA	7—11"	8—10"	0	210	220	230
	12—16"	10—12"	0	240	250	260
1.75 MIL   6.0 MOA	7—11"	12—14"	0	230	240	250
	12—16"	14—16"	0	270	280	290
2.18 MIL   7.5 MOA	7—11"	16—18"	0	260	270	280
	12—16"	18—20"	0	300	310	320
2.62 MIL   9.0 MOA	7—11"	20—22"	0	280	290	310
	12—16"	22—26"	0	320	330	350

### Sub .300 BLK | 50m Zero

Alpha TARAC®	Barrel Length	Target Size	Aim Center® Yds x1.1		Aim Top TGT Yds x1.1	
1.31 MIL   4.5 MOA	7—11"	6"	0	100	100	110
	12—16"	6"	0	100	100	110
1.75 MIL   6.0 MOA	7—11"	6"	0	110	110	120
	12—16"	8"	0	120	120	130
2.18 MIL   7.5 MOA	7—11"	8"	0	120	120	130
	12—16"	10"	0	130	130	140
2.62 MIL   9.0 MOA	7—11"	10"	0	130	130	140
	12—16"	12"	0	140	140	150

<sup>1</sup>Ranges in meters



# Attachment

## Proper tension for GI Bolt-on?

- The ADM GI Bolt uses a 3/8" wrench found in most standard tool boxes and features holes to attach safety wire for extra security. This bolt will provide ample clamping force at 30-40 in/lbs but can be torqued up to but not exceeding 60 in/lbs.



## Proper tension for ADM QD Lever?

- Set tight enough to secure the mount to the rail without any movement, but not so tight that you have to pry the throw lever open with a tool to remove the optic from the firearm. This is set by adjusting the tension in with the adjustment nut.



# Adjustment

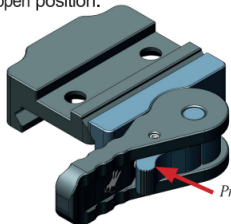


**AMERICAN**  
DEFENSE MANUFACTURING®

## Operating Instructions for QD AutoLock™ System

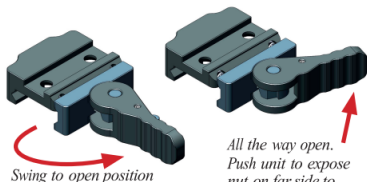
*No tools required for AutoLock adjustment.*

- 1 Before attempting to install your ADM mount, please take the time to ensure that your firearm is **unloaded** and the muzzle is pointed in a safe direction.
- 2 Please repeat number 1.
- 3 Look over your ADM mount and become familiar with its components.
- 4 Unlock the mount. To do this, depress the lock button and swing the lever 180° to the open position.



*Depress the  
lock button,  
shown here.*

*Press in.*



*Swing to open position*

*All the way open.  
Push unit to expose  
nut on far side to  
adjust the tension*

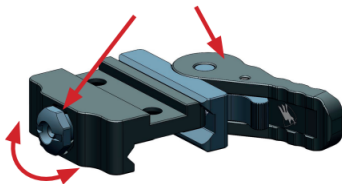
- 5 Install the assembly onto the rail and move the lever to the locked position.
- 6 Check the tension to close. The correct amount of tension is the maximum amount you apply with one hand to move the lever to a closed position. How much tension you prefer is dependent on your own judgement and personal preference. Please remember, this system has a lot more surface contact than the competition, so you may not need to push the lever as hard to achieve the same result.

# Adjustment Cont



- 7 To adjust the tension, move the lever to the open position and push the lever towards the base. This will make the adjustment nut protrude on the opposite side of the base. With the nut protruding, it may be turned to the right or the left to make the necessary adjustment. We recommend tightening one to two flats per time, then testing the tension. Since there are eight flats on the octagonal nut, this process may take a few tries to get it where you want it. You will need NO tools for this step.

*When lever is open, nut will protrude*



*Turn nut to adjust tension*

- 8 While utilizing a mount with vertical rings, please note to tighten the bottom screws first, then the top screws. There should be a slight gap between where the top of the rings meet when tightened properly. **The torque rating for the ring screws is 20-25 in/lbs. max.** For optics mounts, such as the AD-T1 series and other red dot mounts, there isn't a torque rating. Simply snug the screws down a little more than finger tight. Over tightening of the small screws on optics such as the Aimpoint T1, risks stripping the threads and ruining the optic. **The only threadlocker that American Defense recommends is VC-3 Vibra-Tite Threadmate, this is the red/orange packet included with the ADM mount.** The use of any other threadlocker may cause damage to the mount and void the warranty.

#### **Regarding the AD-SM series mounts:**

**DO NOT attempt to adjust or remove the bolt that holds the optic ring to the mount base on the AD-SM-01/02/03 Series Mounts. Doing so will void the warranty. The bolt is permanently threadlocked into the ring. Attempting to adjust the bolt will cause it to break, damaging the mount.**

TECH # (262) 439-4172  
[TECH@ADMMFG.COM](mailto:TECH@ADMMFG.COM)  
[www.adm-mfg.com](http://www.adm-mfg.com)

# Notes

