



Box to Bench Precision

The Ultimate Hunting target

Introduction:

The Ultimate Hunting Target, designed and developed by Box To Bench Precision LLC, is an advanced precision hunting target and scope tracking target. It will test the shooter's ability, as well as the capability of the rifle, scope, ammunition, and equipment as a complete package. By completing this target at 100 yards, you will find errors in your system that need attention before you shoot long range. This target will show the effects of an improperly leveled scope, the importance of a precise zero, and the capability of a riflescope to accurately track and return to zero. This target will challenge shooters of all skill levels. Practicing with this target can help new shooters to acquire the necessary skills for long range hunting, as well as hone those of the more advanced shooters.

The Ultimate Hunting Target measures 38 inches tall by 24 inches wide. It features 15 different scope tracking scenarios that require the shooter to dial windage and elevation given from the scenario directions below. The variety of scope tracking scenarios will test you and your equipment with approximately 700 MOA or 200 Milliradians of scope travel. The entire target is designed to be shot at precisely 100 yards, and it is calibrated for use with riflescopes using 1 inch per hundred yards (IPHY), Milliradians (MILS), and true minute of angle (MOA).

Necessities:

- Rifle: caliber of your choice with quality ammo (17 rounds required)
- Precise Zero and Level Scope
- Scope: turrets capable of 33.5 MOA or 9.3 MILS of travel above your zero, 14.5 MOA or 4.2 MILS windage travel
- Target: leveled with builder's level through the center of the bullseye, or level the top of the target. Staple it flat at exactly 100 yards and wrinkle free.

Instructions:

Once your rifle is zeroed, you will engage **15 scope tracking scenarios** (animals). You will be given 1 of 3 corresponding bullseye spots, along with an elevation and windage adjustment. For example: the Alaskan moose uses bullseye number 2. From the directions below, you will dial the adjustments for the Alaskan moose, aim at the number 2 bullseye, and the shot should impact the moose in the center of the target spot on its body. Next, return your riflescope to zero, and move on to the next scenario. Repeat.

There are also **2 bonus** animals that will require the shooter to determine his/her own adjustments, based on their own scope. One is a squirrel that measures .25 inches, shot from bullseye number 1, and the other is a rabbit at .5 inches tall, shot from bullseye number 2.

The Ultimate Hunting Target Scoring:

- Animal's body: 1 point
- Inside the 1 inch circle: 2 points
- Vital zone: 4 Points
- Heart: 7 points
- Bonus Squirrel: 10 points
- Bonus Rabbit: 5 points

If any bullet breaks a scoring line, the higher score is recognized. The vital zone and heart decrease in size as the rifle scope increases in elevation.

Box to Bench Precision, LLC 15 Scenarios

Scenario #1 Pennsylvania Fox

Aim at Bullseye #2

Center of Heart Up 2.815" and Left 6.2"

Dial	Dial
UP .8 MILS	Left 1.7 MILS
UP 2.75 IPHY	Left 6.25 IPHY
UP 2.75 MOA	Left 6 MOA

Scenario #6 Nevada Mule Deer

Aim at Bullseye #2

Center of Heart Up 26.695" and Right 9"

Dial	Dial
Up 7.4 MILS	Right 2.5 MILS
Up 26.75 IPHY	Right 9 IPHY
Up 25.5 MOA	Right 8.5 MOA

Scenario #2 Alaskan Moose

Aim at Bullseye #2

Center of Heart Up 33.492" and Right 7.545"

Dial	Dial
UP 9.3 MILS	Right 2.1 MILS
UP 33.5 IPHY	Right 7.5 IPHY
UP 32 MOA	Right 7.25 MOA

Scenario #7 Florida Coyote

Aim at Bullseye #3

Center of Heart Up 8.313" Left 6.541"

Dial	Dial
Up 2.3 MILS	Left 1.8 MILS
Up 8.25 IPHY	Left 6.5 IPHY
Up 8 MOA	Left 6.25 MOA

Scenario #3 Arizona Coues Deer

Aim at Bullseye #2

Center of Heart Up 4.25" and Right 4.254"

Dial	Dial
Up 1.2 MILS	Right 1.2 MILS
Up 4.25 IPHY	Right 4.25 IPHY
Up 4 MOA	Right 4 MOA

Scenario #8 Utah Rocky Mountain Elk

Aim at Bullseye #2

Center of Heart Up 27.43" and Left 7.926"

Dial	Dial
Up 7.6 MILS	Left 2.2 MILS
Up 27.5 IPHY	Left 8 IPHY
Up 26.25 MOA	Left 7.5 MOA

Scenario #4 British Columbia Caribou

Aim at Bullseye #1

Center of Heart Up 31.71" and Right 1.04"

Dial	Dial
Up 8.8 MILS	Right .3 MILS
Up 31.75 IPHY	Right 1 IPHY
Up 30.25 MOA	Right 1 MOA

Scenario #9 Washington Mt. Lion

Aim at Bullseye #3

Center of the Heart Up 10.165" and Left .75"

Dial	Dial
Up 2.8 MILS	Left .2 MILS
Up 10.25 IPHY	Left .75 IPHY
Up 9.75 MOA	Left .75 MOA

Scenario #5 Texas Whitetail

Aim at Bullseye #1

Center of Heart Up 6.795" and Right 3.582"

Dial	Dial
Up 1.9 MILS	Right 1 MILS
Up 6.75 IPHY	Right 3.5 IPHY
Up 6.50 MOA	Right 3.5 MOA

Scenario #10 Montana Bison

Aim at Bullseye #2

Center of Heart Up 21.98" and Left 5.45"

Dial	Dial
Up 6.1 MILS	Left 1.5 MILS
Up 22 IPHY	Left 5.5 IPHY
Up 21 MOA	Left 5.25 MOA

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Scenario #11 New Zealand Red Stag

Aim at Bullseye #1

Center of Heart up 11.83" and Left .442"

Dial	Dial
Up 3.3 MILS	Left .1 MILS
Up 11.75 IPHY	Left .5 IPHY
Up 11.25 MOA	Left .5 MOA

Scenario #12 California Desert Bighorn Sheep

Aim at Bullseye #3

Center of Heart Up 22.284" and Left 4.41"

Dial	Dial
Up 6.2 MILS	Left 1.2 MILS
Up 22.25 IPHY	Left 4.5 IPHY
Up 21.25 MOA	Left 4.25 MOA

Scenario #13 Colorado Mt. Goat

Aim at Bullseye #1

Center of Heart Up 13.024 and Right 9.717"

Dial	Dial
Up 3.6 MILS	Right 2.7 MILS
Up 13 IPHY	Right 9.75 IPHY
Up 12.5 MOA	Right 9.25 MOA

Scenario #14 Idaho Wolf

Aim at Bullseye #2

Center of Heart Up 16.967" and Left 7.102"

Dial	Dial
Up 4.7 MILS	Left 2 Mils
Up 17 IPHY	Left 7 IPHY
Up 16.25 MOA	Left 6.75 MOA

Scenario #15 Wyoming Grizzly

Aim at Bullseye #1

Center of Heart up 17.57" and Right 14.709"

Dial	Dial
Up 4.9 MILS	Right 4.1 MILS
Up 17.5 IPHY	Right 14.75 IPHY
Up 16.75 MOA	Right 14 MOA