

G *GOLD TIP*
DAMN STRAIGHT

2014 PRODUCT CATALOG



THE TOUGHEST ARROW YOU'LL EVER SHOOT. DAMN STRAIGHT.

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Levi Morgan

10 World Championships
Over 40 National Championships
10 World Records

You demand tough, accurate arrows. That's why we make every Gold Tip with 100% pure carbon.

Then we hand pick the toughest and most consistent shafts. We've got the callouses to prove it. And you've got our promise that if it makes our cut, it'll make your shot.



WHAT'S NEW 2014



HUNTER CRESTED CAMO

VERSATILITY NEVER LOOKED TOUGHER.
Gold Tip's versatile Hunter Series is the "go-to" arrow for thousands of bowhunters. Now it sports a new look for 2014.

Team PRIMOS HUNTING EDITION

FOR TEAM PRIMOS IT'S GOLD TIP. OR GO HOME.
FOR TEAM PRIMOS IT'S GOLD TIP. OR GO HOME. We're proud to add Team Primos to our roster of hunters who count on Gold Tip arrows exclusively on every hunt. Check out the Team Primos Edition arrow on page 9.

100% PURE CARBON MEANS 100% PURE TOUGH.

Not all carbon arrows are created equally. Some contain filler materials that weaken the spine or glass to make an arrow shiny. Fact is, every bit of an arrow's shaft that isn't carbon makes it that much weaker. Gold Tip shafts are born from from 100% pure carbon. That doesn't always make for the prettiest arrow on the shelf. But to us nothing's prettier than an arrow sunk deep in the trophy you came to kill.

PREMIUM HUNTING ARROWS

As an industry leader in carbon arrows, Gold Tip is proud to offer a complete line of premium hunting arrows. With options like our original all-around Hunter line, the speed of our Velocity line, or the hard-hitting power of our Kinetic line, Gold Tip's diverse lineup of hunting arrows offers any bowhunter the arrow they need to become more successful in the field.

HUNTER

ALL-AROUND VERSATILITY

The sport of bowhunting can often lead to challenging situations and conditions. Gold Tip's Hunter family of arrows provide the versatility to meet the demands of every level and challenge you may encounter. Providing speed, stability and strength, thanks to Gold Tip's 100% carbon technology, the Hunters have become the "go-to" hunting arrows for many thousands of bowhunters.

INCLUDED COMPONENTS

.246 Inserts and Nocks



INSERTS

.246 Threaded



F.A.C.T. SYSTEM

Weight Modules



POINTS

Standard .246 Glue In



Standard 5/16 (.246) Screw In



All points and inserts are designed to accept Gold Tip's F.A.C.T. system, allowing you to customize your arrow's Front Of Center balance (FOC).



As the ultimate arrow in Gold Tip's Hunter Family, the **Pro Hunter** boasts industry leading weight and straightness tolerances, as well as unmatched durability and straightness retention characteristics. While the **Pro Hunter** has become the choice for the world's most discerning bowhunter, it also has won a number of national archery tournaments in the hands of the world's best shooters.

The **XT Hunter** is one of the most popular shafts in Gold Tip's lineup, and for good reason; the **XT Hunter** has been providing bowhunters with the balance of both performance and accuracy needed for success in the woods since 1997.

Featuring the same 100% carbon Technology as the Pro and XT Hunters, the **Expedition Hunter** is a popular choice for the budget conscious bowhunter who still expects the ultimate in durability.

HUNTER	WEIGHT SPECIFICATIONS:			
Finish	500	400	340	300
Black	7.3 gpi	8.2 gpi	8.9 gpi	9.3 gpi
Camo	8.2 gpi	9.0 gpi	N/A	10.9 gpi

.246 GT Series, 11.5 gr



.246 Accu-lite*, 8.3 gr



Bohning F*, 5.8 gr



Standard Pin, 2.4 gr



HD Pin, 6.1 gr



.246



NOCKS

BUSHINGS

*For use with D-loops ONLY

*Requires Nock Bushing

CALLING IT AN ARROW IS LIKE CALLING BRASS KNUCKLES JEWELRY.

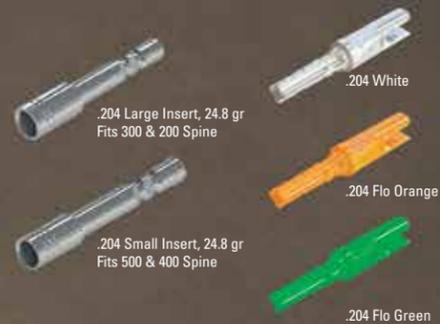


HARD HITTING

For bowhunters looking for a durable, hard-hitting, small diameter shaft that still provides unmatched straightness retention, the Kinetic family of arrows meets the challenge. If you're hunting larger game or striving to increase your accuracy in wind and inclement weather, the Kinetic shafts are engineered to deliver.

INCLUDED COMPONENTS

Accu-Tough Inserts and Nocks



F.A.C.T. SYSTEM

Weight Modules



POINTS

Kinetic Glue In

Standard 9/32 (.204) Screw In



All points and inserts are designed to accept Gold Tip's F.A.C.T. system, allowing you to customize your arrows Front Of Center balance (FOC).

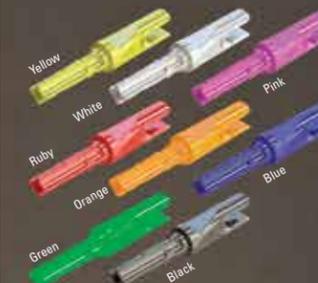


The **Kinetic XT** features everything you've come to expect from Gold Tip shafts: durability, consistency, straightness retention and accuracy. These attributes have been rolled into this hardhitting, small diameter hunting shaft. Featuring the popular .003" straightness tolerance and industry leading weight specifications, the **Kinetic XT** is a great choice for bowhunters seeking the increased penetration of a small diameter shaft.

As a complement to the Kinetic XT, the **Kinetic Hunter** continues to deliver the benefits of a small diameter shaft. Featuring the same 100% carbon Technology as its cousins in the Kinetic line, the **Kinetic Hunter** delivers unmatched penetration with a more affordable price tag.

KINETIC		WEIGHT SPECIFICATIONS:			
Finish	500	400	300	Big Game	200
Black	7.6 gpi	9.5 gpi	10.4 gpi	11.6 gpi	

.204 Accu-Tough, 11.6 gr



Bohning F*, 5.8 gr



Standard Pin, 2.4 gr



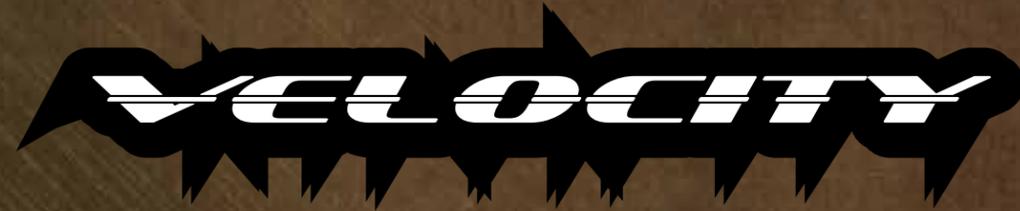
HD Pin, 6.1 gr



Kinetic .204, Pin & Nock



FLIES LIKE A BULLET. STINGS LIKE A JACKHAMMER.



SPEED FREAK

Built for speed, the entire family of Velocity arrows ensures you get the most out of the technologically sophisticated speed bows offered by today's leading manufacturers. Offering incredible durability and straightness retention, with less added weight, the Velocity line fulfills your need for speed.

PREMIUM HUNTING ARROWS
800.551.0541 | GOLDTIP.COM

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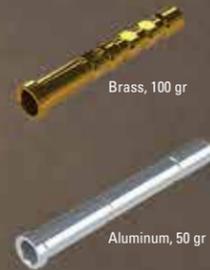
INCLUDED COMPONENTS

.246 Accu-Lite (For use with D-Loops only)



INSERTS

.246 Threaded



F.A.C.T. SYSTEM

Weight Modules



POINTS

Standard .246 Glue In



Standard 5/16 (.246) Screw In



All points and inserts are designed to accept Gold Tip's F.A.C.T. system, allowing you to customize your arrows Front Of Center balance (FOC).



The **Velocity Pro** features industry best straightness and weight tolerance as the premier arrow in the Velocity line. At 25-30 grains lighter than its cousin, the Pro Hunter, the **Velocity Pro** delivers the same consistent performance, but at serious speed! Built with Gold Tip's 100% carbon technology, the **Velocity Pro** is the ultimate speed arrow. As a testament to its accuracy and durability, this shaft crossed over to FITA archery tournaments and was used to win 2012 FITA Outdoor World Championship.

Fans of the XT Hunter will love the **Velocity XT**. The proven performance and straightness retention of the XT Hunter has been wrapped in a faster package, allowing bowhunters to deliver their broadhead faster than ever before.

In staying with the theme of the entire Gold Tip line, the **Velocity Hunter** provides the performance of a lightweight, 100% carbon arrow shaft but features a smaller price tag.

Finish	600	500	400	340	300
Black	5.7 gpi	6.3 gpi	7.4 gpi	8.2 gpi	8.5 gpi

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PREMIUM HUNTING ARROWS
800.551.0541 | GOLDTIP.COM

.246 GT Series, 11.5 gr



.246 Accu-lite*, 8.3 gr



*For use with D-loops ONLY

Bohning F*, 5.8 gr



*Requires Nock Bushing

Standard Pin, 2.4 gr



HD Pin, 6.1 gr

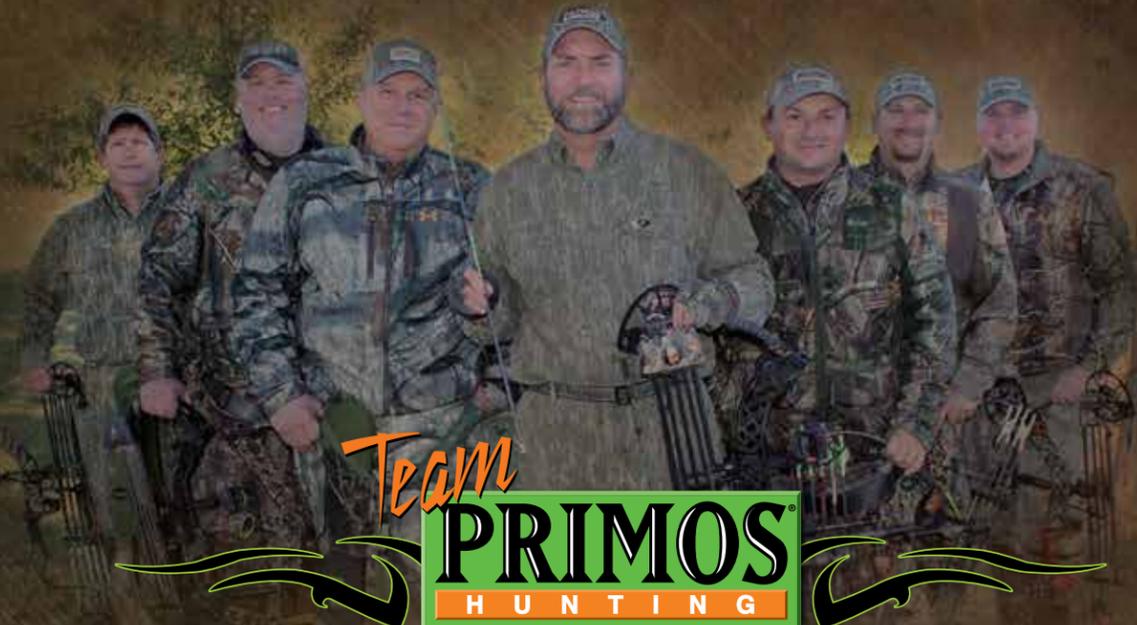


.246



BUSHINGS

SPECIALTY HUNTING ARROWS



Team
PRIMOS
HUNTING

EDITION

**FOR TEAM PRIMOS IT'S GOLD TIP.
OR GO HOME.**

Every year, Team Primos hunts in a variety of conditions, facing the same challenges you face. No matter the situation, no matter the game, they trust Gold Tip. For toughness, speed, and accuracy that's as proven as the Primos name, it's Gold Tip or go home.

SPECIALTY HUNTING ARROWS
800.551.0541 | GOLDTIP.COM

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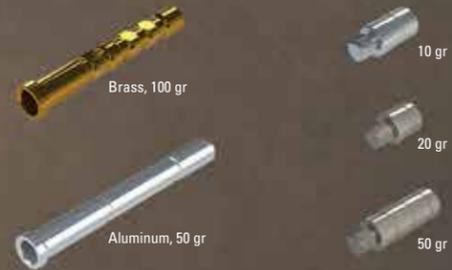
INCLUDED COMPONENTS

.246 Accu-Lite (For use with D-Loops only)



INSERTS

.246 Threaded

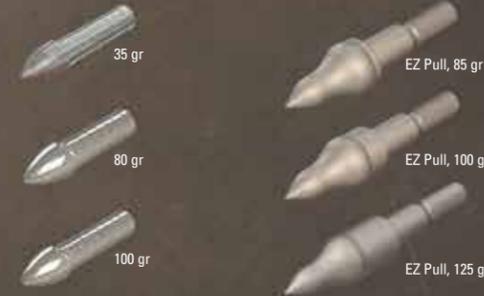


F.A.C.T. SYSTEM

Weight Modules

POINTS

Standard .246 Glue In



Standard 5/16 (.246) Screw In

All points and inserts are designed to accept Gold Tip's F.A.C.T. system, allowing you to customize your arrows Front Of Center balance (FOC).



Team
PRIMOS
HUNTING
EDITION

400

STRAIGHTNESS TOLERANCE: +/- .003"
WEIGHT TOLERANCE: +/- 2 Grains
SIZES: 400, 340, 300
AVAILABLE FINISHES:
Black

Team
PRIMOS
HUNTING
EDITION

WEIGHT SPECIFICATIONS:

Finish	400	340	300
Black	7.4 gpi	8.2 gpi	8.5 gpi

When the shot's there, Team Primos takes it – fast. The Team Primos Edition arrow provides a winning combination of speed and straightness retention so they can nail their shots. Now you can put it to work on your hunt.

10

SPECIALTY HUNTING ARROWS
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.246 GT Series, 11.5 gr



.246 Accu-lite*, 8.3 gr



Bohning F*, 5.8 gr



Standard Pin, 2.4 gr



HD Pin, 6.1 gr



.246



NOCKS

BUSHINGS

Ted Nugent

WILDLY TOUGH. WILDLY ACCURATE.

Ted Nugent doesn't do anything "half way." And when he asked Gold Tip to make his Signature Series arrows, he told us the same. They needed to be stronger, faster, and harder hitting. After all, if you're going to "Wack'em and stack'em" you need arrows that can make it happen. The Ted Nugent Signature Series offers three distinct choices to get the job done, each with its own unique Nugent style.

INCLUDED COMPONENTS

.246 GT Inserts and Nocks



Accu-Lite 12.1 gr GT Series White

INSERTS

.246 Threaded



Brass, 100 gr Aluminum, 50 gr

POINTS

Standard .246 Glue In



35 gr 80 gr 100 gr

F.A.C.T. SYSTEM

Weight Modules



10 gr 20 gr 50 gr

Standard 5/16 (.246) Screw In



EZ Pull, 85 gr EZ Pull, 100 gr EZ Pull, 125 gr

All points and inserts are designed to accept Gold Tip's F.A.C.T. system, allowing you to customize your arrows Front Of Center balance (FOC).



Ted Nugent, simply put, does not compromise. That's why he has been relying on Gold Tip arrows for years. Gold Tip's original **Ted Nugent Signature Series** shafts are decorated with Uncle Ted's classic white zebra stripe pattern and are sure to be found in his quiver.

Gold Tip is proud to offer the newest member of the Ted Nugent Signature Series: the green "Nuge" arrow! Ted Nugent has made his livelihood being loud both on stage and while fighting for hunter's rights, and now you can do the same with his arrow in your quiver! In keeping with Gold Tip and Ted's dedication to charity, a portion of proceeds from the sale of every green Nugent shaft are going to the U.S. Special Forces Association.

Don't let color fool you; the pink Ted Nugent Signature Series shaft is one rockin' arrow! The pink "Nuge" arrow is the perfect choice for anyone looking to add some flare to their quiver without sacrificing a bit of performance. A portion of proceeds from the sale of every pink Nugent shaft will go to the Susan G. Komen Foundation to aid in the fight against breast cancer.

WEIGHT SPECIFICATIONS:

Finish	3555/500	5575/400	7595/300
White Zebra Stripe	8.4 gpi	9.3 gpi	10.8 gpi
Green Zebra Stripe	8.4 gpi	9.3 gpi	10.8 gpi
Pink Zebra Stripe	8.4 gpi	9.3 gpi	n/a

.246 GT Series, 11.5 gr



.246 Accu-lite*, 8.3 gr



Bohning F*, 5.8 gr



Standard Pin, 2.4 gr



HD Pin, 6.1 gr



.246



Pin 11.6 gr Nock 12.6 gr

NOCKS

*For use with D-loops ONLY

*Requires Nock Bushing

BUSHINGS



PROVEN PERFORMANCE

Samantha and Levi Morgan are two of the fastest rising young stars on the tournament circuit AND in the whitetail woods. Whether they're winning a world title or knocking down world-class trophy animals, they demand the best to get the job done. The Name the Game Signature Series from Samantha and Levi Morgan provides top-of-the-line arrow options that can help you score with style on the range or in the woods.

INCLUDED COMPONENTS

.246 Accu-Lite (Designed for use with D-Loops only)



INSERTS

.246 Threaded

F.A.C.T. SYSTEM

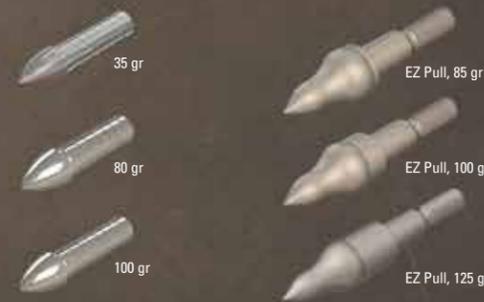
Weight Modules



POINTS

Standard .246 Glue In

Standard 5/16 (.246) Screw In



All points and inserts are designed to accept Gold Tip's F.A.C.T. system, allowing you to customize your arrows Front Of Center balance (FOC).



A portion of the proceeds from the sale of all Name the Game arrows supports the Wounded Warrior program at Licking River Outfitters. www.lickingriveroutfitters.com

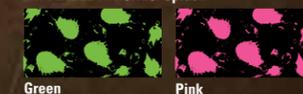


Meeting the exacting standards of Levi and Samantha Morgan, the **Name the Game XT** arrows offer a .003 straightness tolerance and the strength and durability to take what you dish out, shot after shot. Available in 500 and 400 (Pink), perfect for lighter draw weight and shorter arrows or 400 and 300 (Green) for heavier draw weights and longer arrow lengths.

With a straightness tolerance of .006, the **Name the Game Hunter** arrows offer the ultimate in straightness retention and maximum durability. Available in 500 and 400 (Pink), perfect for lighter draw weight and shorter arrows or 400 and 300 (Green) for heavier draw weights and longer arrow lengths.

NAME THE GAME	WEIGHT SPECIFICATIONS:		
Finish	500	400	300
Splash	8.6 gpi	9.4 gpi	10.9 gpi

AVAILABLE FINISHES: **Splash**



.246 GT Series, 11.5 gr



.246 Accu-lite*, 8.3 gr



*For use with D-loops ONLY

Bohning F*, 5.8 gr



*Requires Nock Bushing

Standard Pin, 2.4 gr



HD Pin, 6.1 gr



.246



Traditional

WOOD GRAIN



Offering a straightness tolerance of .003 the **Traditional XT** still has the great classic look, with even tighter tolerances all the way around.



Featuring the best of both worlds, 100% carbon construction and a wood grain finish that traditional bowhunters love. The Gold Tip **Traditional Hunter** shafts provide proven performance in an attractive package. Gold Tip **Traditional Hunter** shafts are built to a heavier weight that many traditional archers require, and like all Gold Tip shafts, can be customized for point weight using the F.A.C.T. system.



CLASSIC LOOK. TODAY'S PERFORMANCE.

Gold Tip would never forget the needs of the Traditional shooter and now offers two classic options for the leatherwall addicts out there. The look of traditional wood, with the performance and durability of today's carbon construction, the Gold Tip Traditionals will help that recurve kick it up a notch and look good doing it.

INCLUDED COMPONENTS

.246 Inserts and Nocks



Traditional WEIGHT SPECIFICATIONS:				
Finish	1535/600	3555/500	5575/400	7595/300
Wood Grain	7.8 gpi	8.6 gpi	9.3 gpi	11.0 gpi

TWISTER



ARIAL ACROBAT.

Gold Tip's updated take on an archery classic, the Twister Flu-Flu arrow is built to take on the unforgiving challenges of small game and bird hunting. The twisted feather Flu-Flu ensures short travel and "found" arrows. Gold Tip's Smart Carbon technology provides the strength and durability to last.



With its specially twisted feather fletching coupled with its small diameter, the Twister is the new standard in high performance Flu-Flu arrow, now available in three sizes to meet the needs of a full range of hunters. Whether hunting birds or small game, the Twister Flu-Flu will help "put 'em down and still be found."

INCLUDED COMPONENTS

Accu-Tough



TWISTER WEIGHT SPECIFICATIONS:			
Finish	500	400	300
Black	7.6 gpi	9.5 gpi	10.4 gpi

THERE ARE **TOUGHER** PROJECTILES.
THEY'RE CALLED **CANNON BALLS.**

BIG GAME

HEAVY HITTERS

Large game animals take specialized equipment, and whether you're after big-boned beasts like bear, moose, and elk - or dangerous African game, you need an arrow with as much kinetic energy as you can muster for deep penetration and immediate knockdown power. The Big Game Series from Gold Tip offers exactly what you're looking for in a heavy hitting arrow. Built to handle virtually any draw length and weight, these arrows aren't only tough, but deadly accurate with their tight weight and straightness tolerances.



The **Big Game 250** offers the added spine stiffness and weight needed to take down large game efficiently and effectively. Built to handle the higher pressures of today's performance bows, the **Big Game 250** boasts a +/- .003" straightness tolerance, assuring the accuracy you need when the moment of truth arrives.

As Gold Tip's **ULTIMATE** Big Game arrow, the **Kinetic Big Game 200** provides the supreme toughness of a 200 spine with the weight needed to knock down anything from African Cape buffalo to Alaskan moose. With its roots firmly based in the hard-hitting Kinetic family, the **Big Game 200's** small diameter ensures deep penetration.

Available in XT and Hunter models.

BIG GAME 250
WEIGHT SPECIFICATIONS:

Finish	250
Black	10.6 gpi

KINETIC BIG GAME 200
WEIGHT SPECIFICATIONS:

Finish	200
Black	11.6 gpi

BIG GAME 250 INCLUDED COMPONENTS

.246 Inserts & Nocks



KINETIC BIG GAME 200 INCLUDED COMPONENTS

Accu-Tough .204



YOUTH ARROWS

Gold Tip Youth Arrows are built for the durability, versatility, accuracy and safety demanded by Parents, Boy Scout leaders, NASP Instructors and Camp Directors. Gold Tip's lineup of youth arrows gives young archers the chance to shoot to their full potential.

Youth

START 'EM OUT RIGHT

There's nothing more important than starting a youngster out with the confidence only quality equipment can provide. Gold Tip's family of youth arrows will instill that confidence to shoot with accuracy and help lead to a lifelong interest in the sport of archery. It all starts right here. And Gold Tip's going to make sure they start out safely and correctly.



The shorter version of the Expedition Hunter 3555, the **Falcon 35** is designed for youth archers looking for their first hunting or serious target arrow. Featuring a .500" spine and .006" straightness tolerance, the Falcon 35 provides more serious youth shooters the consistency they require.

26" full length shaft.

Gold Tip **Lightning** arrows have become a staple for Boy Scouts, summer camps and 4-H groups around the country. The Lightning arrows are available in two finishes and at 28" will fit the needs of most youth shooters. More consistent and much lighter than fiberglass, the **Lightning** is a great choice for a durable youth arrow.

For use in bows not exceeding 30 lbs. in draw weight.

Gold Tip's economy shaft is designed for kids who'd like to get their first taste of flinging arrows! Gold Tip's fiberglass shafts offer extreme durability at a low price.

For use in bows not exceeding 30 lbs. in draw weight.

FALCON

Included Components



LIGHTNING

Included Components



FIBERGLASS

Included Components



All Fiberglass Points & Nocks are pre-installed.

PRECISION TARGET ARROWS

There is really only one way to describe Gold Tip's lineup of target shafts — **DOMINANT!** As has been the case in previous years, 2013 saw Gold Tip shooters continually besting the competition across all fronts of tournament archery. Gold Tip's 100% carbon technology creates target shafts that are second to none in terms of construction, consistency, tolerances and straightness retention. Simply put, at Gold Tip we have engineered a lineup of target shafts designed to win.

Simply put, at Gold Tip we have engineered a lineup of target shafts designed to win.



Samantha Morgan

ULTRALIGHT

TOURNAMENT TESTED. SHOOTER APPROVED.

The Ultralight line of target arrows offer the target archer the perfect arrow option for any level of ability; from the accurate, yet forgiving, beginner-level Entrada, to the performance-packed Pro. With a wide range of spines, from 600 to 300, and multitude of available components, the Ultralights can be customized to your personal needs for optimum accuracy.

INCLUDED COMPONENTS

GT Inserts and Nocks (Included components are for the ENTRADA ONLY.)



Accu-Lite 12.1 gr White Green Orange

INSERTS

.246 Threaded



Brass, 100 gr



Aluminum, 50 gr

F.A.C.T. SYSTEM

Weight Modules



10 gr



20 gr



50 gr

POINTS

Standard .246 Glue In



35 gr



80 gr



100 gr

Standard 5/16 (.246) Screw In



EZ Pull, 85 gr



EZ Pull, 100 gr



EZ Pull, 125 gr

All points and inserts are designed to accept Gold Tip's F.A.C.T. system, allowing you to customize your arrows Front Of Center balance (FOC).



STRAIGHTNESS TOLERANCE: +/- .006"
WEIGHT TOLERANCE: +/- 2 Grains
SIZES: 600, 500, 400, 340, 300
AVAILABLE FINISHES:
Black



STRAIGHTNESS TOLERANCE: +/- .003"
WEIGHT TOLERANCE: +/- 0.5 Grains
SIZES: 600, 500, 400, 340, 300
AVAILABLE FINISHES:
Black



STRAIGHTNESS TOLERANCE: +/- .001"
WEIGHT TOLERANCE: +/- 0.5 Grains
SIZES: 600, 500, 400, 300
AVAILABLE FINISHES:
Black

HP-2 (2" VANE)

VMAX-4 (4" VANE)

SUPER SPINE (1.8" VANE)
Sold as shaft only, all components sold separately.

SUPER SPINE (1.8" VANE)
Sold as shaft only, all components sold separately.

Designed as an entry-level lightweight target shaft, the **Ultralight Entrada** is one of our most popular target shafts for beginning target archers and is especially useful for youth shooters. The Ultralight Entrada gives nothing up in terms of durability and straightness retention, but comes with a smaller price tag.

Using Gold Tip's Smart Carbon Technology, the **Ultralight** shaft features a .003" straightness tolerance along with the industry's best weight tolerance.

Featuring super tight weight and straightness tolerances and built for blazing speed, the Ultralight Pro is the premier shaft in the Ultralight line. Available in four spine sizes ranging from .600" to .300" the options for use with the Ultralight Pro are virtually limitless. The consistency and straightness retention characteristics of this shaft make it a popular choice from 3-D to FITA.

ULTRALIGHT WEIGHT SPECIFICATIONS:

Finish	600	500	400	340	300
Black	5.7 gpi	6.3 gpi	7.4 gpi	8.2gpi	8.5 gpi

.246 GT Series, 11.5 gr



.246 Accu-lite*, 8.3 gr



*For use with D-loops ONLY

Bohning F*, 5.8 gr



*Requires Nock Bushing

Standard Pin, 2.4 gr



HD Pin, 6.1 gr



.246



Pin 11.6 gr Nock 12.6 gr

Emily Veyna

Series 22

DELIVERING MORE - WITH LESS

The Ultralight Series 22 and Ultralight Series 22 Pro are a perfect choice for those 3-D archers who don't want to pull the extra weight required to get the larger shafts up to speed or just don't have the draw length to physically make it happen. Built with Gold Tip's unique 100% carbon technology and at only 7.3 grains per inch, they are some of the most popular lightweight 3-D shafts on the market today.

INSERTS

Threaded



Series 22
22.5 gr



Laser II
Brass, 110 gr

F.A.C.T. SYSTEM

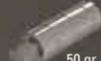
Weight Modules



10 gr



20 gr



50 gr

POINTS

Series 22 Glue In



50 gr



80 gr



125 gr

Standard 11/32 Screw In



EZ Pull, 100 gr



EZ Pull, 125 gr

All points and inserts are designed to accept Gold Tip's F.A.C.T. system, allowing you to customize your arrows Front Of Center balance (FOC).



ULTRALIGHT SERIES 22 GOLD TIP

STRAIGHTNESS TOLERANCE: +/- .005"
WEIGHT TOLERANCE: +/- 0.5 Grains
SIZES: 300
AVAILABLE FINISHES:
Black



PRO Series 22 GOLD TIP

STRAIGHTNESS TOLERANCE: +/- .001"
WEIGHT TOLERANCE: +/- 0.5 Grains
SIZES: 300
AVAILABLE FINISHES:
Black



SWIFT (12.25" VANE)
Sold as shaft only, all components sold separately.



SWIFT (12.25" VANE)
Sold as shaft only, all components sold separately.

The Ultralight Series 22 is the .005" straightness version of the Ultralight Series 22 Pro, designed for the budget-minded archer. The Ultralight Series 22 features the same 100% carbon technology and provides top-notch durability.

The Ultralight Series 22 Pro is built with Gold Tip's 100% carbon technology, providing with it the ultimate in durability, consistency, and straightness retention. With industry leading straightness and weight tolerances and at only 7.3 grains per inch, the Ultralight Series 22 Pro is one of the most popular 3-D arrow choices anywhere in the world. FITA legal with an outside diameter of .337", the Ultralight Series 22 Pro has been in the quiver of many top pros on the way to a number of indoor FITA world titles.

Series 22	
WEIGHT SPECIFICATIONS:	
Finish	Series 22 and 22 Pro
Black	7.3 gpi

.246 GT Series, 11.5 gr



*Requires Nock Bushing

.246 Accu-lite*, 8.3 gr



*D-Loops ONLY
*Requires Nock Bushing

Standard Pin, 2.4 gr



HD Pin, 6.1 gr



Series 22



Pin
13 gr

Nock
8.5 gr

Chance Beaubouef

X-Cutter

FAT, LINE-CUTTING PERFORMANCE

The wide diameter X-Cutters have grown to become a favorite choice of 3-D archery shooters worldwide. Coming in at just 7.8 gpi, these "fat shafts" provide line-cutting performance without added weight. The exacting tolerances, down to +/- .001 straightness, help make the X-cutters fast, accurate, and consistent – shot after shot.

F.A.C.T. SYSTEM

Weight Modules



10 gr



20 gr



50 gr

INSERTS

Threaded



X-Cutter, 36.8 gr

POINTS

X-Cutter Glue In

Standard 11/32 Screw In



50 gr



90 gr



140 gr



EZ Pull, 100 gr



EZ Pull, 125 gr

All points and inserts are designed to accept Gold Tip's F.A.C.T. system, allowing you to customize your arrows Front Of Center balance (FOC).



STRAIGHTNESS TOLERANCE: +/- .005"
WEIGHT TOLERANCE: +/- 0.5 Grains
SIZES: .250
AVAILABLE FINISHES:
Black



STRAIGHTNESS TOLERANCE: +/- .001"
WEIGHT TOLERANCE: +/- 0.5 Grains
SIZES: .250
AVAILABLE FINISHES:
Black



V-MAX (2.5" VANE)
Sold as shaft only, all components sold separately.



V-MAX (2.5" VANE)
Sold as shaft only, all components sold separately.

Featuring the same construction and diameter as the Ultralight X-Cutter Pro, the **Ultralight X-Cutter** provides archers the option of a lower priced shaft that gives nothing up in terms of durability or straightness retention.

The **Ultralight X-Cutter Pro** was Gold Tip's first large diameter shaft and using Gold Tip's 100% carbon technology has become one of the most consistent winners in the 3-D World today. At only 7.8 grains per inch and with an outside diameter of .380" the **Ultralight X-Cutter Pro** is the ammunition of choice for many of the world's finest 3-D archers and has many ASA and IBO world titles to its credit.

X-Cutter	
WEIGHT SPECIFICATIONS:	
Finish	X-Cutter and X-Cutter Pro
Black	7.8 gpi

X-Cutter GT, 15.8 gr



.246 GT Series*, 11.5 gr



*Requires Nock Bushing

.246 Accu-lite*, 8.3 gr



*D-Loops ONLY
*Requires Nock Bushing

Standard Pin, 2.4 gr



HD Pin, 6.1 gr



X-Cutter



Pin

Nock

17.4 gr

15.6 gr

Sharon Carpenter

30X

HOME ON THE RANGE

The 30X and 30X Pro, with their .398 diameter, provide the line-cutting performance of a large shaft, without sacrificing a bit of speed. Favored among 3-D shooters, the 30X and 30X Pro feature a stiffer .200 spine. Engineered with 100% carbon technology, the 30X line is built Gold Tip-tough, while sporting some of the industry's leading straightness and weight tolerances.

F.A.C.T. SYSTEM

Weight Modules



10 gr



20 gr



50 gr

INSERTS

Threaded



30X, 40.2 gr

POINTS

30X Glue In



50 gr



100 gr



150 gr

Standard 11/32 Screw In



EZ Pull, 100 gr



EZ Pull, 125 gr

All points and inserts are designed to accept Gold Tip's F.A.C.T. system, allowing you to customize your arrows Front Of Center balance (FOC).



The economical cousin of the Ultralight Pro 30X, the **Ultralight 30X** provides similar performance with a smaller price tag.

The **Ultralight 30X Pro** is at home on the 3-D circuit. With an outside diameter of .398" and at only 8.5 grains per inch, this arrow will give archers the speed they desire without having to sacrifice diameter. As with all Gold Tip Pro Series shafts, the **Ultralight 30X Pro** shafts feature industry leading straightness and weight tolerances.

30X	
WEIGHT SPECIFICATIONS:	
Finish	30X and 30X Pro
Black	8.5 gpi

30X GT, 14.4 gr



.246 GT Series*, 11.5 gr



*Requires Nock Bushing

.246 Accu-lite*, 8.3 gr



*D-Loops ONLY
*Requires Nock Bushing

Standard Pin, 2.4 gr



HD Pin, 6.1 gr



30X



Pin 18.7 gr
Nock 19.6 gr

NOCKS

BUSHINGS

Tommy Gomez

TRIPLE X

KING CUTTER - INDOOR EXTRAORDINAIRE

Featuring our largest diameter, at .421," the Triple X and Triple X Pro have taken the indoor tournament world by storm and made a name for themselves on the 3-D circuit. The .150 spine offers incredible durability and accuracy. Engineered with Gold Tip's 100% carbon technology, the Triple X arrows provide exceptional straightness retention, with tolerances and tight as +/- .001 (Pro).

F.A.C.T. SYSTEM

Weight Modules



POINTS

Triple X Glue In



All points and inserts are designed to accept Gold Tip's F.A.C.T. system, allowing you to customize your arrows Front Of Center balance (FOC).



Featuring the same 100% carbon technology as the Triple X Pro, the Triple X is the ideal choice for the archer on a budget who still seeks the benefit of the largest carbon shaft available on the market.

At the maximum diameter allowed in tournament archery today of .421", the Triple X Pro is quickly being hailed as the best indoor target arrow in the world. At only 9.3 grains per inch, the Triple X Pro is also being recognized as a remarkable 3-D arrow. The Triple X Pro is simply the most durable and accurate line-cutter on the market.

TRIPLE X WEIGHT SPECIFICATIONS:	
Finish	Triple X and Triple X Pro
Black	9.3 gpi

.246 GT Series*, 11.5 gr



*Requires Nock Bushing

.246 Accu-lite*, 8.3 gr



*D-Loops ONLY *Requires Nock Bushing

Standard Pin, 2.4 gr



HD Pin, 6.1 gr



Triple X



BUSHINGS

G GOLD TIP DAMN STRAIGHT

2013 CHAMPIONS

Below > Jack Wallace, Levi Morgan, Tommy Gomez

Right > Justin Bethals

Opposite page: Left > Tim Gillingham

Center > Joseph Goza

Right > Henry Bass, Bridger Deaton



CROSSBOW BOLTS

At Gold Tip, we didn't just set out to design crossbow bolts that fulfilled a need – we set out to engineer the BEST. Each Gold Tip crossbow bolt is built upon the ground-breaking 100% carbon technology, which ensures durability, straightness retention, and incredible accuracy. As the market continues to expand and crossbow technology changes and improves, Gold Tip offers a bolt to meet your needs and help deliver every bit of speed, power, and penetration out of your equipment.

LASER II LASER III

A BETTER BOLT

The Laser II and III have fast become one of the most versatile crossbow bolts throughout the market. Offering unmatched straightness tolerances and superb accuracy, the Laser II and III are helping archers get every ounce of performance out of their crossbows. Available in multiple lengths and nocking options, the Laser II and III give archers the flexibility to build the bolt that best matches the performance needs of their individual crossbow.

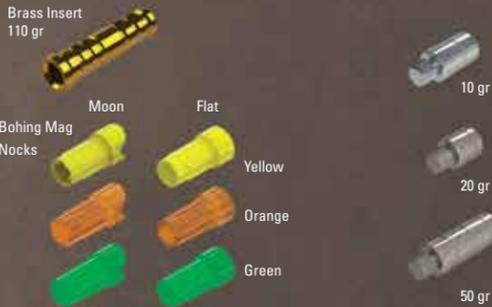
INSERTS

Threaded



INCLUDED COMPONENTS

Laser II & III



F.A.C.T. SYSTEM

Weight Modules

POINTS

Standard 11/32 Screw In



All points and inserts are designed to accept Gold Tip's F.A.C.T. system, allowing you to customize your arrows Front Of Center balance (FOC).



The **Laser II** is Gold Tip's most popular bolt choice and has been a staple among crossbow archers for many years. Available in 20" or 22" lengths and with multiple nocking options, the **Laser II** is as versatile as it is consistent. The **Laser II Pro Series** features a .001" straightness tolerance and industry leading weight tolerances, providing unmatched overall performance for the most discerning crossbow archers.

LASER II

FINISHED WEIGHT SPECIFICATIONS:

- 20" Moon or Flat - Composite - 4" vanes 398 gr
- 20" Moon or Flat - Composite - 2" vanes 385 gr
- 22" Moon or Flat - Composite - 4" vanes 413 gr
- 22" Moon or Flat - Composite - 2" vanes 400 gr

WEIGHT SPECIFICATIONS:

Finish	Laser II / Laser II Pro
Black	7.5 gpi

The Gold Tip **Laser III** bolt is built to a weight that falls in between the laser II and the Laser IV bolt offerings, creating another option for crossbow shooters who are looking for optimal performance. The **Laser III**, as well as the all-new **Laser III Pro**, feature Gold Tip's 100% carbon technology for unmatched durability and straightness retention.

LASER III

FINISHED WEIGHT SPECIFICATIONS:

- 20" Moon or Flat - Composite - 4" vanes 418 gr
- 20" Moon or Flat - Composite - 2" vanes 405 gr
- 22" Moon or Flat - Composite - 4" vanes 435 gr
- 22" Moon or Flat - Composite - 2" vanes 422 gr

WEIGHT SPECIFICATIONS:

Finish	Laser II / Laser II Pro
Black	8.5 gpi

NOCKS

Bohing Mag Moon



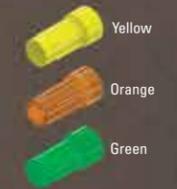
Yellow

Orange

Green

8.2 gr

Bohing Mag Flat



Yellow

Orange

Green

9.2 gr

Aluminum Nocks



Moon

25 gr

Flat

25 gr

BORN FROM PURE CARBON. RAISED FOR PURE TOUGHNESS.

LASER IV

BOSS BOLT

The Laser IV was engineered to be our most stable and accurate crossbow bolt. Centered around our 100% carbon technology, the Laser IV is designed to handle the awesome power delivered by today's high performance crossbows. The heavier weight of the Laser IV also means higher kinetic energy for better penetration and knock down power. These are flat shooting, hard hitting bolts that make quick work of big game.

INSERTS

Threaded



21.1 gr

INCLUDED COMPONENTS

Laser IV



Brass, 60 gr



Aluminum Necks*

Moon, 25 gr



Flat, 25 gr

F.A.C.T. SYSTEM

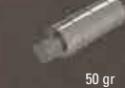
Modules



10 gr



20 gr



50 gr

*Customer can choose from either Moon Aluminum Nock OR the Flat Aluminum Nock.

POINTS

Standard 11/32 Screw In



EZ Pull, 100 gr



EZ PULL, 125 gr

All points and inserts are designed to accept Gold Tip's F.A.C.T. system, allowing you to customize your arrows Front Of Center balance (FOC).



STRAIGHTNESS TOLERANCE: +/- .005"
WEIGHT TOLERANCE: +/- 2 Grains
AVAILABLE FINISHES:
Black

STRAIGHTNESS TOLERANCE: +/- .001"
WEIGHT TOLERANCE: +/- 0.5 Grains
AVAILABLE FINISHES:
Black

Gold Tip's Laser IV bolt has been designed to keep up with today's fastest and most powerful crossbows. The Laser IV features the same versatility as the Laser II and Laser III, but in a heavier weight and stiffer spine to increase kinetic energy and withstand the rigors of today's high performance crossbows. Also available is the all-new Laser IV Pro, which brings all the toughness and durability of the standard Laser IV with a .001" straightness tolerance.

LASER IV

FINISHED WEIGHT SPECIFICATIONS:

20" Moon or Flat - Aluminum - 4" vanes 490 gr

20" Moon or Flat - Aluminum - 2" vanes 480 gr

22" Moon or Flat - Aluminum - 4" vanes 520 gr

22" Moon or Flat - Aluminum - 2" vanes 505 gr

WEIGHT SPECIFICATIONS:

Finish LaserIV / Laser IV Pro

Black 13.9 gpi

NOCKS

Laser IV Aluminium



Moon

25 gr



Flat

25 gr

Length of Arrow

	COMPOUND BOW											TRADITIONAL BOW										
	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"	23"	24"	25"	26"	27"	28"	29"	30"	31"	32"		
30-34	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2				
35-39	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2					
40-44	1	1	1	1	2	2	2	2	3	1	1	1	1	2	2	2	3					
45-49	1	1	2	2	2	2	3	3	3	1	1	2	2	2	3	3	3					
50-54	1	1	2	2	3	3	3	3	4	1	1	2	2	3	3	3	3	4				
55-59	1	2	2	2	3	3	3	3	4	1	2	2	3	3	3	3	4	4				
60-64	2	2	2	3	3	3	4	4	4	2	2	3	3	3	4	4	4	4				
65-69	2	3	3	3	4	4	4	5	5	2	3	3	3	4	4	4	5	5				
70-74	3	3	4	4	4	5	5	5	6	3	3	3	4	4	4	5	5	5	6			
75-79	3	3	4	4	4	5	5	6	6	3	4	4	4	4	5	5	5	6	6			
80-84	4	4	4	4	5	5	6	6	6	4	4	4	4	5	5	5	6	6	6			
85-89	4	4	5	5	6	6	6	7	7	4	4	5	5	6	6	6						
90-94	5	5	6	6	6	6	7	7	8	4	5	5	6	6	6							
95-100	5	5	6	6	6	7	7	8	8	5	5	6	6	6								

KEY	1 600 Spine	3 400 Spine	5 300 Spine	7 200 Spine
	2 500 Spine	4 340 Spine	6 250 Spine	8 150 Spine

Compound Bows - With Release Aid

Note: With a compound bow and release aid it is acceptable to use a shaft that is stiffer than indicated on the selection chart. This is particularly true if you want to shoot a large diameter shaft for target and 3-D archery. When in doubt, choose a stiffer arrow shaft.

- For compound bows with IBO speed rating between 290-315 FPS shot with a release aid, use the selection chart as specified.
- For compound bows with IBO speed rating between 315-350 FPS shot with a release aid, choose a least one box to the stiffer side (to the right) for your recommended arrow. Example: If you have a setup that is 72 lbs and arrow that is 29" long you will need to use a group 5 arrow shaft.
- For compound bows with IBO speed rating under 290 FPS shot with a release aid, choose one box to the weaker side (to the left) for your recommended arrow. Example: If you have a setup that is 58 lbs and arrow that is 27" long you will need to use a group 2 arrow shaft.

Compound Bows - With Finger Release

When shooting finger release, start by selecting an arrow 2 boxes to the weaker side (to the left). Start with the arrow 1" longer than you selected and cut it down 1/4" at a time until you have a perfectly tuned shaft using the bare shaft tuning method outlined in the back of the Gold Tip product catalog and the Arrow University section of the Gold Tip website (www.goldtip.com).

Traditional Recommendations

- If you are shooting a recurve/longbow, first establish the draw weight of the bow at the length you draw it to. This is best accomplished by bringing the bow to full draw and having a friend mark the arrow where it intersects the outside of the riser.
- Next, draw the bow with a bow scale to your mark to simulate holding it at full draw. Note draw weight at full draw. You can then accurately use the selection chart as indicated below. Arrow length should be measured from the throat of the nock to the end of the insert, not necessarily from the mark you made to measure your draw weight. It is recommended that your finished arrow be at least 1" longer than the mark you made to establish your draw weight.
- For either longbow or recurve, start with the arrow at least 1" longer than your desired finished arrow and cut the shaft down 1/4" at a time until you establish a perfect tune using the bare shaft tuning guide outlined in the back of the Gold Tip product catalog or in the Arrow University section of the Gold Tip website (www.goldtip.com). You can use the Gold Tip weight system to fine tune the spine reaction and increase the mass weight of the arrow.

- Step 1:** Find your draw weight in the chart.
- Step 2:** Determine the length of your arrow by measuring from the throat of the nock to the end of the insert.
- Step 3:** Find the correct group number in the shaft selection chart.
- Step 4:** Find your appropriate spine selection for your bow and use the detail arrow specifications chart on the next page to see which shafts are available in your spine.

Arrow length is measured from the throat of the nock to the end of the insert. If you are shooting a longer broadhead than field point, you may want to choose a slightly stiffer shaft.

HUNTING	PRO	XT	EXPEDITION/HUNTER	Finish	Grains per Inch	Spine	Available Length	O.D. (in)	O.D. (mm)	I.D. (in)	I.D. (mm)
Arrow Shaft Family & Size	(+/- .001)	(+/- .003)	(+/- .006)								
Hunter 3555/500	X	X	X	Black	7.3	0.500	30"	0.291	7.39	0.246	6.25
Hunter 500 - Camo		X	X	Camo - Xtra or Lost	8.2	0.500	30"	0.297	7.54	0.246	6.25
Hunter 5575/400	X	X	X	Black	8.2	0.400	32"	0.295	7.49	0.246	6.25
Hunter 400 - Camo		X	X	Camo - Xtra or Lost	9.0	0.400	32"	0.300	7.62	0.246	6.25
Hunter 7595/340	X	X	X	Black	8.9	0.340	32"	0.300	7.61	0.246	6.25
Hunter 300 - Camo		X	X	Camo - Xtra or Lost	10.9	0.300	32"	0.313	7.95	0.246	6.25
Hunter 300	X	X	X	Black	9.3	0.300	32"	0.302	7.67	0.246	6.25
Hunter 250 - Big Game		X		Black	10.6	0.250	32"	0.309	7.84	0.246	6.25
Velocity 600	X	X	X	Black	5.7	0.600	30"	0.280	7.11	0.246	6.25
Velocity 500	X	X	X	Black	6.3	0.500	30"	0.285	7.24	0.246	6.25
Velocity 400	X	X	X	Black	7.4	0.400	32"	0.291	7.39	0.246	6.25
Velocity 340	X	X	X	Black	8.2	0.340	32"	0.296	7.51	0.246	6.25
Velocity 300	X	X	X	Black	8.5	0.300	32"	0.296	7.51	0.246	6.25
Kinetic 500		X	X	Black	7.6	0.500	30"	0.258	6.55	0.204	5.18
Kinetic 400		X	X	Black	9.5	0.400	30"	0.270	6.85	0.204	5.18
Kinetic 300		X	X	Black	10.4	0.300	30"	0.274	6.96	0.204	5.18
Kinetic 200 - Big Game		X	X	Black	11.6	0.200	30" (32")*	0.282	7.16	0.204	5.18
Team Primos 400		X		Black w/ Arrow Wrap	7.4	0.400	32"	0.291	7.39	0.246	6.25
Team Primos 340		X		Black w/ Arrow Wrap	8.2	0.340	32"	0.296	7.51	0.246	6.25
Team Primos 300		X		Black w/ Arrow Wrap	8.5	0.300	32"	0.296	7.51	0.246	6.25
Ted Nugent 3555/500			X	White - Green - Pink	8.4	0.500	30"	0.297	7.54	0.246	6.25
Ted Nugent 5575/400			X	White - Green - Pink	9.3	0.400	32"	0.301	7.63	0.246	6.25
Ted Nugent 7595/300			X	White - Green	10.8	0.300	32"	0.313	7.95	0.246	6.25
Traditional 1535/600		X	X	Wood Grain	7.8	0.600	30"	0.295	7.49	0.246	6.25
Traditional 3555/500		X	X	Wood Grain	8.6	0.500	32"	0.300	7.62	0.246	6.25
Traditional 5575/400		X	X	Wood Grain	9.3	0.400	32"	0.302	7.67	0.246	6.25
Traditional 7595/300		X	X	Wood Grain	11.0	0.300	32"	0.312	7.92	0.246	6.25
Name The Game 500		X	X	Pink Splash	8.6	0.500	30"	0.298	7.56	0.246	6.25
Name The Game 400		X	X	Pink or Green Splash	9.4	0.400	32"	0.303	7.68	0.246	6.25
Name The Game 300		X	X	Green Splash	10.9	0.300	32"	0.310	7.87	0.246	6.25
Twister 500				Black	7.6	0.500	30"	0.258	6.55	0.204	5.18
Twister 400				Black	9.5	0.400	30"	0.270	6.85	0.204	5.18
Twister 300				Black	10.4	0.300	30"	0.274	6.96	0.204	5.18
Falcon Youth			X	Black	7.3	0.500	26"	0.291	7.39	0.246	6.25
Lightning Youth				Black or Camo	N/A	N/A	28" (30")*	N/A	N/A	0.246	6.25
Fiberglass Youth				Black or Pink	N/A	N/A	29"	N/A	N/A	N/A	N/A

TARGET	PRO	STANDARD	ENTRADA	Finish	Grains per Inch	Spine	Available Length	O.D.	I.D.		
Arrow Shaft Family & Size	(+/- .001)	(+/- .005)	(+/- .006)								
Ultralight 600	X	(+/- .003)	X	Black	5.7	0.600	30"	0.280	7.11	0.246	6.25
Ultralight 500	X	(+/- .003)	X	Black	6.3	0.500	30"	0.285	7.24	0.246	6.25
Ultralight 400	X	(+/- .003)	X	Black	7.4	0.400	32"	0.291	7.39	0.246	6.25
Ultralight 340		(+/- .003)	X	Black	8.2	0.340	32"	0.296	7.51	0.246	6.25
Ultralight 300	X	(+/- .003)	X	Black	8.5	0.300	32"	0.296	7.51	0.246	6.25
Ultralight Series 22	X	(+/- .005)		Black	7.3	0.300	30" (32")*	0.338	8.59	0.300	7.62
Ultralight X-Cutter	X	(+/- .005)		Black	7.8	0.250	30" (32")*	0.380	9.65	0.345	8.76
Ultralight 30X	X	(+/- .005)		Black	8.5	0.150	30" (32")*	0.399	10.12	0.360	9.14
Ultralight Triple X	X	(+/- .005)		Black	9.3	0.100	30" (32")*	0.421	10.68	0.383	9.73

CROSSBOW BOLTS	PRO	STANDARD	Finish	Grains per Inch	Spine	Available Length	O.D.	I.D.		
Bolt Shaft Family & Size	(+/- .001)	(+/- .005)								
Laser II	X	X	Black	7.5	N/A	20" or 22"	0.337	8.56	0.300	7.62
Laser III	X	X	Black	8.5	N/A	20" or 22"	0.343	8.71	0.300	7.62
Laser IV	X	X	Black	13.9	N/A	20" or 22"	0.347	8.81	0.272	6.91

Arrow Assembly

Gold Tip arrows are not only the best performing arrows on the market, they are also the most user-friendly. With proper care and by adhering to the assembly instructions below you will find Gold Tip shafts quick and easy to assemble in any configuration you desire.

Arrow Cutting

Use only a high speed, abrasive wheel cutoff saw that is designed specifically for cutting arrow shafts. Use of any other method could result in damage to the shaft. It is recommended that your arrow shaft be cut at least one inch in front of the arrow rest at full draw. Arrows that are cut too short can be drawn past the arrow rest which could result in the arrow falling from the string, jamming, or otherwise causing damage to the arrow or the bow, and could even lead to personal injury. Never shoot an arrow that is less than one inch past the arrow rest at full draw.

Tip from the Pros: Try cutting arrow shafts on both ends to improve straightness. Straightness flaws in carbon arrows are typically found on the ends. Cutting both ends will often lead to better straightness and thus, better accuracy.

Installing Inserts

- Read Warning and First Aid instructions on Tip Grip bottle before use.
- Wear safety glasses.
- Do not handle inserts by gluing surfaces as doing so may lead to improper adhesion. Disposable gloves are recommended.
- Use only TIP GRIP adhesive to install inserts. Do not use hot melt glue on carbon arrows.

Step 1: Clean inside of shaft to a depth of 1 inch with clean water on a cotton swab to remove debris. Allow to dry.

Step 2: Apply TIP GRIP adhesive to insert using three generous lines evenly spread and length wise along the flats of the insert.

Step 3: Install insert into shaft and rotate slowly one full turn while doing so.

Step 4: With a clean cloth immediately wipe off any excess glue from the shaft and insert.

Step 5: Allow 24 hours for adhesive to cure before shooting. Shooting before adhesive has fully cured could result in the loss of inserts.

Tip - A field point can be used as a handle to help with the installation of an insert.

For more information visit www.goldtip.com

Installing Nocks

Gold Tip GT Series, Accu-lite, and Accu-Tough Nocks are designed to fit snugly without the use of adhesive. Simply press the nock into the shaft until fully seated and rotate to achieve correct vane orientation.

Gold Tip Pin Nocks and HD Pin Nocks are designed to fit snugly over a pin nock bushing without the use of adhesive. After following the instructions for installing a Gold Tip pin

nock bushing (see below), simply press the nock onto the pin until fully seated and rotate to achieve correct vane orientation.

Gold Tip Pin Nock Bushings are used in conjunction with a pin nock or HD pin nock. The bushings can be glued in using Tip Grip adhesive or pressed in using plastic or Teflon tape.

Tip from the Pros: Instead of using glue, press your pin nock bushing into the shaft through a piece of plastic grocery bag, or wrap the bushing with Teflon tape prior to pressing it in the shaft. This will allow the bushing to fit tightly without rotating and at the same time, it will allow you to replace the bushing in the event it becomes damaged. If the pin is damaged after being glued in it is very difficult and sometimes not even possible to remove the damaged pin without damaging the shaft.

(see photos on next page)

Safety Information

OVERDRAW WARNING: THE USE OF AN OVERDRAW THAT ALLOWS A SHOOTER TO DRAW THE POINT OF THE ARROW PAST THE SHELF OF THE BOW SIGNIFICANTLY INCREASES THE RISK OF INJURY TO THE SHOOTER. When using a bow equipped with an overdraw the arrow should always be cut to a minimum of one inch in front of the arrow rest at full draw. Selecting the correct arrow length is the responsibility of the shooter and failure to do so could result in severe injury, and/or damage to shooting equipment.

ARROW REST WARNING: Before shooting any Gold Tip arrows it is extremely important to inspect the arrow rest to ensure that it is properly adjusted to fit the diameter of the arrow shaft being used. FAILURE TO PROPERLY ADJUST THE ARROW REST SIGNIFICANTLY INCREASES THE RISK OF INJURY TO THE SHOOTER AND DAMAGE TO SHOOTING EQUIPMENT. Incorrect adjustment of the arrow rest may cause the arrow to fall from the arrow rest and/or get jammed in the bow which could result in injury to the shooter or bystanders, and damage to shooting equipment. ALWAYS MAKE CERTAIN THAT THE ARROW REST IS PROPERLY ADJUSTED BY A QUALIFIED INDIVIDUAL BEFORE SHOOTING.

ARROW INSPECTION WARNING: INSPECT EACH ARROW FOR DAMAGE PRIOR TO EVERY SHOT. Proper care of carbon arrows can ensure years of quality performance. However, shafts can be damaged. To inspect an arrow, grasp it on both ends and flex it away from yourself and others while visibly and audibly checking for splinters, cracks or nicks. Rotate and repeat this inspection process four to five times around the entire circumference of the shaft. If you find an arrow to be damaged in any way discard it immediately. SHOOTING DAMAGED CARBON ARROWS CAN RESULT IN ARROW FAILURE AND POSSIBLE INJURY.

CUTTING CARBON ARROWS: Cut carbon arrows using a high speed arrow cut off saw only. Use of any other type of saw may cause damage to the arrow.



The **Flex it First** logo is our way of reminding you to flex each shaft to test it for safety periodically – especially after shooting groups or if you miss a target. Why? Every Gold Tip arrow leaves our factory as the toughest, safest arrow we can make. But like every product, there's a chance that your arrows could sustain damage in shipping, stocking, and shooting that isn't visible to the eye. Simply flex your arrows before shooting to be sure that your arrow is not damaged. If there is damage, you will see the carbon separate or the shaft will break. That way, you'll keep shooting safe and straight. **Damn Straight.**

Broadhead Tuning

Things to Consider:

- The more blade surface a broadhead has, the more steering ability it will have. For this reason fixed blade broadheads with large cutting diameters tend to be slightly more difficult to tune.
- Although mechanical broadheads tend to have fewer tuning issues than fixed blade heads, they still need to be properly aligned and their point of impact needs to be verified prior to hunting.
- Gold Tip recommends test shooting any style of broadheads for accuracy prior to hunting.

Step 1: Bow Tuning

In order to achieve good accuracy with broadheads, it is imperative that your bow be properly tuned. Consult our tuning instructions above and, if needed, consult a technician at your local pro shop for help with bow tuning.

Step 2: Broadhead Alignment

When a broadhead is installed into an arrow shaft, it is common for the broadhead to seat incorrectly on the insert. This will cause misalignment of the broadhead in relation to the arrow and will cause the broadhead to wobble when spun. In order to achieve good accuracy, the broadhead must be centered on the insert in order to spin true on the shaft. To do this, follow the steps below:

- 1) Using an arrow spinner (like the Pine Ridge Arrow Inspector) place the point of the broadhead against a cardboard box. As you spin the arrow, the point will make a circle if it is not properly aligned. If the broadhead is properly aligned it will not appear to move and no additional steps are needed. (see figure #1)
- 2) If the point does make a circle, rotate the point to its uppermost point of movement and mark the point with a felt pen at that point. (see figure #2)
- 3) Rotate the arrow 180 degrees from that point and simply apply pressure to the point of the head on a hard surface. The goal of this is to push the broadhead into alignment with the insert. (see figure #3)
- 4) Put the arrow back on the spinner and check the head again for alignment. With a little trial and error you will soon become proficient and will be able to align a broadhead to the insert in under a minute. Keep in mind that shooting an arrow can cause misalignment, so it is a good idea to spin your broadhead tipped arrows repeatedly, particularly after shooting them.

Step 3: Fletching

After bow tuning and broadhead alignment, you are now ready to test your arrows for accuracy. If you are experiencing poor accuracy with a well tuned bow and properly aligned broadheads, it is likely that you are not giving the arrow enough guidance. The answer to this is fletching. Increasing the amount of fletching either by using longer vanes, or more vanes (4-fletch instead of 3-fletch) will give better guidance and increased accuracy. Be careful however, as too much fletching can have other adverse effects such as excessive drag than can also hamper performance. The key is finding a happy medium. This may take some trial and error depending on your setup. The best rule of thumb is to use the smallest amount of fletching possible while still being able to achieve field point accuracy with your broadheads.

Pin Bushing



Installation #1

Installation #2

Using Weight System

Applying Glue to Insert

Broadhead Alignment



Figure #1

Figure #2

Figure #3

Bow Tuning

Although there are a number of acceptable tuning methods that work well, Gold Tip recommends paper tuning for release aid shooters and bare shaft tuning for finger shooters. Gold Tip also recommends the use of a string loop for compound shooters using a release aid. This will prevent nock pinch and will allow for a more accurate setup and more reliable tuning.

Paper Tuning

Shoot arrows through a suspended sheet of paper at a distance of 4 to 6 feet and observe the resulting tear. See adjustment illustration below to achieve a perfect tune. Make vertical adjustments prior to horizontal adjustments to avoid getting a false reading due to vane clearance issues.

Tip from the Pros: Try spraying your vanes with aerosol foot powder to determine if there is any vane contact with the arrow rest. Vane contact can cause erratic arrow flight and inaccurate paper tear readings.

Tip from the Pros: When paper tuning, proper shooting form and a consistent release are critical. Try shooting each arrow a number of times to make sure that you are getting a consistent reading. Paper tuning can be time consuming, but will pay big dividends in accuracy.

Paper Tuning

This diagram depicts a perfect tear or bullet hole. This means that your arrow is perfectly tuned to your bow and you are achieving perfect arrow flight



Perfect Tear



High Tear

- Possible Corrections:*
- Move nock point down
 - Move rest up
 - Decrease launcher stiffness
 - Shorten arrow length if possible



Low Tear

- Possible Corrections:*
- Raise nocking point
 - Stiffen launcher stiffness



Right Tear

- Possible Corrections:*
- Move rest/center shot away from riser (right-handed bow)
 - Move cable guard away from arrow (increase load on cable guard)
 - Adjust wheel lean



Left Tear

- Possible Corrections:*
- Move rest/center shot towards riser (right-handed bow)
 - Move cable guard towards arrow (decrease load on cable guard)
 - Adjust wheel lean
 - Use stiffer arrow
 - Decrease draw weight

Bare Shaft Tuning

Gold Tip recommends bare shaft tuning for any setup shot with a finger release. In order to use this method you will need two fletched arrows and two bare shafts. Follow the illustrations below to fine tune your setup.

This diagram depicts optimal tuning for the bare shaft tuning method. Bare shafts and fletched arrows should have very similar impact points.



Optimal Tuning



Stiff Arrow

- Possible Corrections:*
- Use a longer shaft
 - Use a lighter spined shaft
 - Add weight to the insert using Gold Tip's weight system or by adding a heavier weight point
 - Decrease cushion plunger tension or rest side tension
 - Add poundage to the limbs 1/8 turn at a time



Weak Arrow

- Possible Corrections:*
- Cut shafts shorter 1/4" at a time
 - Use a stiffer spined arrow
 - Decrease point weight
 - Decrease poundage 1/8 turn at a time
 - Add weight to the rear of the shaft with wraps, fletching, or Gold Tip's ultralight nock adaptor
 - Increase plunger tensions



Low Nock Point

- Possible Corrections:*
- Move nock point up
 - Move arrow rest down



High Nock Point

- Possible Corrections:*
- Move nock point down
 - Move arrow rest up



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