

# 2003 Bow Specifications Chart

Model	IBO Rating (FPS) (Approx.)	AMO Rating (FPS) (Approx.)	Cam(s)	Draw Length	Draw Weight	Axle-to-Axle Length (Approx.)	Brace Height (Approx.)	Riser Length	Physical Weight (Approx.)	Length (")
<b>LX*</b>	315	238	High Performance Cam	25 - 30 Half-Sizes 25.5 - 29.5	40 - 70	35"	6 <sup>5/8</sup> "	24.5"	4.25 lbs.	86
	317	240								6
<b>Mathews Legacy*</b>	308	235	Legacy StraightLine MaxCam 3	24 - 30 Half-Sizes 27.5 - 29.5	40 - 70	34"	7 <sup>1/2</sup> "	25"	4.35 lbs.	77
<b>Icon*</b>	300	230	Concentric SoloCam	24 - 30 Half-Sizes 27.5 - 29.5	40 - 70	37"	7 <sup>5/8</sup> "	25"	4.45 lbs.	77
<b>SQ2*</b>	305	230	StraightLine MaxCam2™	23 - 30 Half-Sizes 26.5 - 29.5	40 - 70	31"	8 <sup>1/2</sup> "	19 <sup>13/16</sup> "	3.7 lbs.	77
<b>Q2*</b>	308	235	StraightLine MaxCam2™	23 - 30 Half-Sizes 26.5 - 29.5	40 - 70	34"	7 <sup>1/2</sup> "	23"	4 lbs.	77
<b>Q2XL*</b>	308	235	StraightLine MaxCam2™	24 - 31 Half-Sizes 27.5 - 30.5	40 - 70	38"	7 <sup>1/2</sup> "	27"	4.3 lbs.	77
<b>Conquest 3*</b>	310	236	MaxCam Mini MaxCam Super Soft	28 - 32 24 - 29 28 - 32	40 - 70	41"	7"	27 <sup>1/8</sup> "	4.4 lbs.	8666
<b>Ultra 2*</b>	320+	245	MaxCam Mini MaxCam	26 - 30 22 - 27	40 - 70	36"	6 <sup>1/8</sup> "	17 <sup>5/8</sup> "	3.7 lbs.	866
<b>Black Max 2*</b>	330+ 330+ 340+	252	Black MaxCam Black MaxCam Turbo MaxCam	25 - 30	40 - 70	36"	5 <sup>1/2</sup> "	17 <sup>13/16</sup> "	3.5 lbs.	8665
<b>FX</b>	308	235	MaxCam Mini MaxCam	27 - 31 23 - 28	40 - 70	34"	7 <sup>1/2</sup> "	16 <sup>3/8</sup> "	3.3 lbs.	86
<b>Sportsman</b>	Adequate	Adequate	Fin or Feather™ Cam	20 - 32	40 - 70	34"	7 <sup>1/2</sup> "	16 <sup>3/8</sup> "	3.3 lbs.	-

All Mathews bows come with a weight adjustment range of 10 lbs. (down). All have standard burger button, sight, and stabilizer holes. The cable slider on each model is a special nonsqueak Teflon® composite. The limbs are Slimline™ laminated and come with an original owner lifetime warranty. The machined aluminum limb cups totally contain the limb and pivot on the limbs, so no matter what the draw weight, the limbs are always firmly contained within the cup. High inertia limb cups are also available at an additional charge.

**\*Features Harmonic Damping System™**

\*\*These cams are all officially  
Pope & Young Club legal



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**Driver/Bowhunter Tim Schendel and the Monte Carlo finished sixth in the 2002 NASCAR ReMax Challenge Series after winning at Pikes Peak.**









*The list of features just keeps getting longer!*

- V-LOCK™ Zero Tolerance Limb Cup System (reliable, dependable and accurate)
- HP (High Performance) Single Cam (smooth and fast)
- String Suppressors™ (stifle string vibration)
- Ball Bearing Roller Guard (less friction than cable rod)
- Parallel Limb Design (absorbs shock vibration)
- Perimeter Weighted Technology™ (increases speed while reducing recoil, noise)
- Zebra® ZS Twist™ Bowstring (virtually no peep rotation)
- AeroRiser (lighter weight)
- Ball Bearing Idler Wheel (smooth)
- Ball Bearing Single Cam Technology (the "franchise" innovation)



### The new HP (High Performance) Single Cam

*This smooth-shooting, straight-line, high let-off single cam is smokin' fast!*

When it comes to describing a cam, you've probably never heard "smooth-shooting," "straight-line" and "high let-off" used in the same sentence as "fast." The new HP (High Performance) Cam from Mathews changes that. This exquisitely engineered cam is, apples to apples (brace height and draw weight being equal), the fastest cam we've ever tested.

*\*We built the world's first "cam and a half" system way back in February of 1993. Our testing proved it to be inferior to the single cam.*



The Mathews LX features the new HP (High Performance) Single Cam – it's the **LEAST COMPLEX, MOST ADVANCED**

cam ever engineered! It's superior to every cam we've ever tested (other single cams, 1½ cams\*, two cams). **Everything. Bar none!**

**NEW!**

Parallel Limb Design

Competiton Grip

V-LOCK Zero-Tolerance Limb Cup System

100% fully-machined AeroRiser (most of our competitors use cheap extruded risers)

Harmonic Dampers

**Harmonic Damping System™ Patented**



Black anodized aluminum dampers

Brass dampers (both sets included)

**Mix or match Harmonic Dampers**

- Two heavier brass dampers for maximum damping
- Two lighter aluminum dampers for damping with minimal weight gain
- Or mix dampers for a custom feel
- Carbide dampers (2x heavier than brass) also available

Ball-bearing Idler Wheel

TM

Patent Pending

**U-LOCK™**

### Zero Tolerance Limb System

*Believe it or not it's more reliable, more dependable and more accurate than our long-standing tournament-proven, highly successful limb cup system that it replaces*

One big reason Mathews wins more tournaments is tight manufacturing tolerances. And one of the most critical areas on a bow is where the limb connects to the riser. Thanks to Mathews' new V-LOCK Limb Cup System, the tolerance just got tighter!

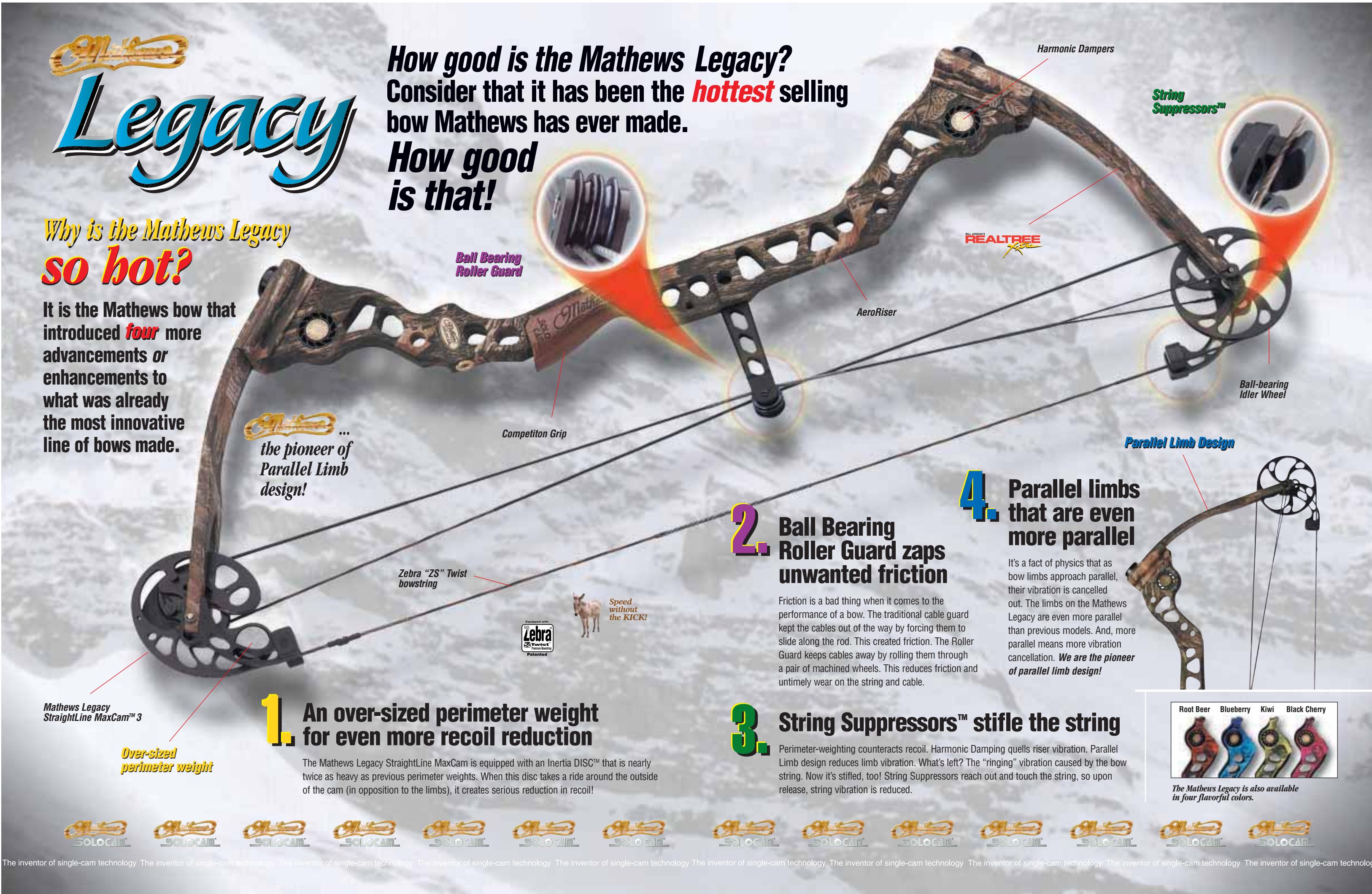
The perfectly machined V-shaped "limb pocket" precisely guides the V-shaped limb into place where it locks in for a perfectly snug, zero-tolerance fit. This is the most reliable, most dependable, and most accurate limb system ever devised!



*The LX is also available in four flavorful colors.*



Aluminum limb cups – 100% fully machined (with liner)



# Legacy

# *Why is the Mathews Legacy so hot?*

**It is the Mathews bow that introduced *four* more advancements or enhancements to what was already the most innovative line of bows made.**

**the pioneer of  
Parallel Limb  
design!**

*Mathews Legacy*  
*StraightLine MaxCam™ 3*

## ***Over-sized perimeter weight***

# 1 An over-sized perimeter weight for even more recoil reduction

The Mathews Legacy StraightLine MaxCam is equipped with an Inertia DISC™ that is twice as heavy as previous perimeter weights. When this disc takes a ride around the cam (in opposition to the limbs), it creates serious reduction in recoil!



## Icon

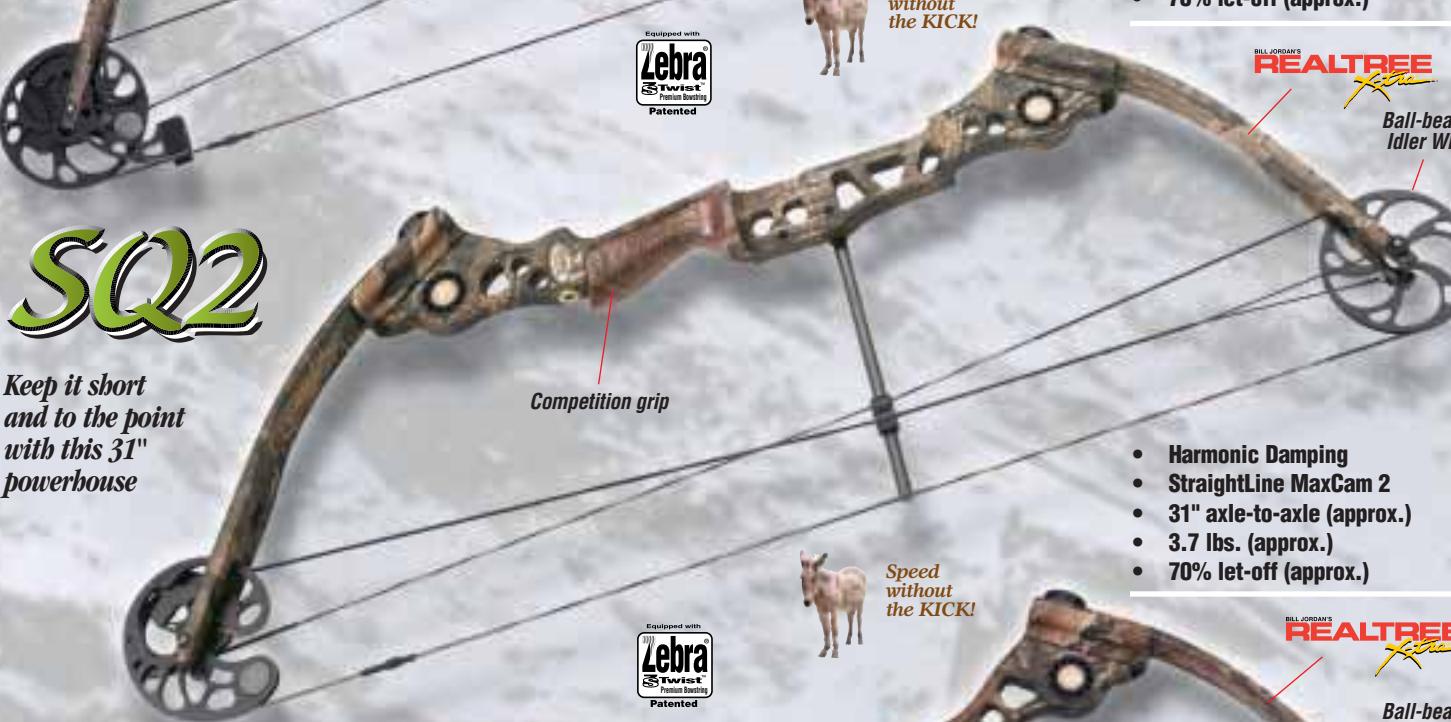
The Icon's Concentric SoloCam® mirrors the shape of the idler wheel for consistency and accuracy



- Concentric SoloCam®
- String Suppressors/Roller Guard
- Harmonic Damping
- 37" axle-to-axle (approx.)
- 70% let-off (approx.)

## SQ2

Keep it short and to the point with this 31" powerhouse



- Harmonic Damping
- StraightLine MaxCam 2
- 31" axle-to-axle (approx.)
- 3.7 lbs. (approx.)
- 70% let-off (approx.)

## Q2

One of the best selling Mathews bows of all time



- Harmonic Damping
- StraightLine MaxCam 2
- Parallel Limb design (23" riser)
- 34" axle-to-axle (approx.)
- 70% let-off (approx.)



## Q2XL

Prefer a longer bow?  
The 38" Q2XL will deliver



- Harmonic Damping
- StraightLine MaxCam 2
- Parallel Limb design (27" riser)
- 38" axle-to-axle (approx.)
- 70% let-off (approx.)

## Conquest 3

NEW!

The third generation of the Mathews model that has won more tournaments than any other bow in history



- V-Lock Limb System
- Harmonic Damping
- Original MaxCam (standard)
- Parallel Limb design (27 1/8" riser)
- 41" axle-to-axle (approx.)
- 80%, 65% or 60% let-off (approx.)



## Ultra 2

The quickness of a rattlesnake without the rattle



- Harmonic Damping
- Original MaxCam (standard)
- 320+ fps IBO; 245 fps AMO
- 3.7 lbs. (approx.)
- 80% or 65% let-off (approx.)

