Click Here

Easton arrow chart

Check out our FAQ’s first. If that doesn’t answer your questions then: Call Us: 801.539.1400 Toll Free: 888-327-8664 7:30 a.m. – 3:30 p.m. MST 5040 Harold Gatty Dr, Salt Lake City, UTAH, USA Page 2 Skip to content Full size version can be found HERE (opens in new window) choosing a selection results in a full page refresh press the space key then arrow keys to make a selection Share — copy and redistribute the material in any medium or format for any purpose, even commercially. Adapt — remix, transform, and build upon the material for any purpose, even commercially. The licensor cannot revoke these freedoms as long as you follow the license terms. Attribution — You must give appropriate credit , provide a link to the license, and indicate if changes were made . You may do so in any reasonable manner, but not in any way that suggests the licensor endorses you or your use. ShareAlike — If you remix, transform, or build upon the material, you must distribute your contributions under the same license as the original. No additional restrictions — You may not apply legal terms or technological measures that legally restrict others from doing anything the license permits. You do not have to comply with the license for elements of the material in the public domain or where your use is permitted by an applicable exception or limitation . No warranties are given. The license may not give you all of the permissions necessary for your intended use. For example, other rights such as publicity, privacy, or moral rights may limit how you use the material. 0 ratings0% found this document useful (0 votes)450 viewsThis document provides guidance on selecting the proper arrow for a compound or recurve bow based on the bow's weight, rating, and the archer's release method. It includes a chart that lists…AI-enhanced title and descriptionSaveSave tabella-easton For Later0%0% found this document useful, undefined One of the cool things about archery are the processes around it. On one hand, it’s science. You are dealing with physics, aerodynamics and energy transfers. On the other hand, it’s an art; a human working with machines. Your form, mental state and decision-making all factors into the equation of a perfect shot. Bowhunting and archery terms can get technical. Arrow spine is one of those terms that can seem technical on the surface, but can be easily explained. Here is what arrow spine means and how it affects the flight of your hunting arrow. Arrow SpineThe spine rating of an arrow is simply a measurement of its stiffness. The same Easton arrow comes in a variety of stiffness: the lower the number, the stiffer the arrow. For example, a 330 arrow is stiffer than a 500 spine arrow. There are two kinds of spine (stick with us, we promise not to get too technical). There’s static spine, which is how an arrow reacts when an 880-gram (1.94 lbs.) weight is suspended from the center of the arrow. The arrow must be 29” in length and supported by two points, which are 28” apart. The number of inches the arrow deflects or bends X 1000 due to the weight is the spine size or measurement of an arrow. So, a 500 arrow bends .5-inches when the weight is applied.Then there is dynamic spine, which describes the way an arrow reacts from the stored energy of a bow as it is shot. Too many factors determine the way an arrow is going to react when shot out of the bow, and because of the nearly unlimited variables in determining dynamic spine, Easton hunting arrows are measured using static spine. You can manipulate the dynamic spine of an arrow and make it act stiffer when shot from a compound bow by decreasing peak bow weight, point weight or the point/insert combination, using heavier bow string material or adding more strands to the string, heavier vanes, heavier serving material and/or nocking point and shortening the length of the arrow.Ok, now that we’ve determined what the spine of a hunting arrow is, why is it important? If you do not have the correct arrow spine for your bow set up, you are going to get erratic arrow flight and poor shooting groups. Having the proper arrow spine is key to optimizing the grouping of your arrows and for the best possible accuracy. Shooting an arrow that is not stiff enough, or a group of arrows that vary in stiffness, will cause you to be less accurate. An under-spined arrow will veer right, while an arrow that is too stiff will favor slightly left.All this said, how do you choose the proper spine of your hunting arrow? Well we have crunched the numbers for you. On nearly every wall of archery shops around the world is the famous Easton arrow selection chart. It’s the gold standard when it comes to picking the best hunting arrow. Follow the “variables” portion of the chart carefully, and most of all, provide accurate bow weight (measured!) and accurate draw length data. The main reason a hunter chooses the wrong arrow with the chart is because people often guess at these instead of measuring.The Easton PromiseEaston hunting arrows, produced with our advanced technology and manufacturing processes, deliver uniform spine between all arrow shafts of the same size, and 360 degrees around each shaft. With Easton, you know that your next arrow will fly like the last.Spine is so important to arrow accuracy, Easton goes far beyond the rest of the industry to ensure you receive both the specified spine and matched weight for every shaft produced in a given model. There are reasons Easton shafts have been used to win every Olympic podium since 1984 and set world records. Spine consistency is one of them.Other Notes On Arrow SpineUsually as an arrow weight increases, so does the stiffness. Thus, a heavier arrow will be stiffer.As the largest carbon buyers in the archery industry, Easton works directly with the companies that make the carbon fiber to obtain only select material lots which are as close as possible to the exact stiffness needed for a given design. Using only select materials from the world’s premiere carbon fiber manufacturers, and continually testing the materials as they are prepared for use, minimizes most of the carbon fiber variation.Now that you know how important a properly spined hunting arrow is to your setup, use the arrow selection chart to be sure you are shooting an arrow with the right stiffness. That will take care of the physical part of the equation. Knowing that Easton produces the most consistent arrows with the highest quality materials will help your mental game and is one more reason to fill your quiver with Easton arrows this hunting season. Check out our FAQ’s first. If that doesn’t answer your questions then: Call Us: 801.539.1400 Toll Free: 888-327-8664 7:30 a.m. – 3:30 p.m. MST 5040 Harold Gatty Dr, Salt Lake City, UTAH, USA How to Select Arrows Once you select your own Bow you will need Arrows to suit it and you. See this Video of an Arrow Leaving a Bow to see why you need to get the arrow stiffness right.First find out your draw length: This depends on your arm length and also on where you pullback to and anchor with you drawing hand. See also Easton Arrow Selection GuideSecond work out the pulling weight of the bow at you draw length. The draw weight of the bow will be marked on the bow. Usually on the bottom limb and for a given draw length. Example: Recurve Bow is marked 30lbs @ 28 " on the bottom limb. Your arrow length when at full draw is 29" . Then you will be pulling more than 30lbs when you pull the bow beyond 28". Usually you can add 2lbs per inch of draw, so for 29" draw that would be 32lbs. If you draw 27"then you will be pulling less at about 28lbs. You can of course use a set of scales to actually measure the draw weight . We have the means to do this inour Pro Shops.With these two measures Weight of Pull and Length of Arrow, it is time to look at the Arrow Types and Arrow Charts to see which size and typeof shaft will fit you best. ----------Arrow Types.There are arrows made of Fibreglass, Carbonfibre, Aluminium, Wood, and Aluminium/Carbon Composite. Which one to choose? Here is a brief guide to what most people use and why.Fibreglass: Robust but heavy: Will take a lot of knocks. Usually used at the Leisure end of archery.Aluminium: Made from light weight tubing: These make a very good reliable and relatively easy to use arrow for shooting at the short and middle distances outdoors. Also these are used by most people for indoor shooting as they are strong, accurate and reasonably priced. There is a wide range of sizes available to suit almost all sizes of archer and strengths of bow. There are also different models at increasing price. You pay more for increasing hardness of the alloy and better straightness tolerances which in turn provides more accuracy. Aluminium arrows are the most popular place to start with your first bow and when you are shooting the shorter and medium distances. Choices of Arrows in Aluminium: Easton Neos : excellent entry level arrow: one diameter of shaft for all different lengths, Easton Jazz and Tribute Models 75 Alloy: Better arrow : greater shaft hardness and selection of diameters for different lengths and stiffness. Easton XX75 Platinum Model 75 Alloy: Better again: A favourite of many archers good hardness but still able to take some knocks without being too brittle. Easton X7 Eclipse: Best Hardness and Straightness: The top aluminium arrow. Easton X23 & RX7 : Big diameter arrows for getting higher scores for indoor competitionOnce you are shooting 70m, 90mor 100 yards or more then you should probably think about Carbon Arrows .Carbon Arrows and Carbon/Aluminium Composite: Light and Stiff with smaller diameter than just Aluminium, this means they go further plus have less side wind drift and the arrows are faster with less rise and fall on the way to the target. Carbon arrows can be a little less forgiving of archer errors and need tuning to the bow well to get good clearance. Used by most competitive archers shooting the outdoor distances . Carbon arrows start at the Entry Level and progress to better quality models right through the range to the top level models in Aluminium/Carbon Composites as are widely used in the World Championships and Olympic Games. Choices of Arrows in Carbon and Carbon /Aluminium: Easton Inspire 750: Leisure and Entry Level one diameter, one stiffness, Carbon Arrow. Easton Apollo: Next Step Carbon Arrows in Several Diameters and Stiffness grades(called spine), good for target and field archery. Need to select size from chart . Easton Carbon One : All Carbon Construction, Step up from the Apollo, in a selection of diameters and sizes with sophisticated components for fine tuning and customising to your needs. Excellent for target and field shooting. Need to select size from chart. Easton ACC Aluminium/ Carbon Arrows: The Aluminium/Carbon Composite Arrows are the top end range by Easton the worlds top arrow maker. ACC are parallel carbon shafts on a fine Aluminium core and excellent for all distances. Choice of Stiffness and diameter. Need to select size from chart. These are a very popular high end arrow and perform very well. Easton ACG Aluminium/ Carbon Arrows: Similar to the ACC, parallel arrow shaft using one core tube size, different thicknesses of carbon to provide different stiffness sizes. Easton ACE Aluminium/ Carbon Arrows: In particular the Recurve Target Archers favourite top of the range arrows. Used for long distance and all outdoor shooting. The Shafts are tapered to the ends and come in a selection of sizes. See Charts. Big range of components. Easton X10 & x10 Pro Tour Aluminium/ Carbon Arrows: Top of the range arrows; Designed for the optimum result at 70 meters and for Recurve and Compound Shooting. Easton Triumph All Carbon Arrows; Big Diameter Arrow for indoor shooting. Limited range of sizes and stiffness only , to suit indoor shooting.Easton FMJ Carbon/ Aluminium Arrows; Limited range for Heavy Draw Bows and Compounds, Carbon on the inside.Easton Axis Carbon Shafts Traditional Wood look finish 5mm Shafts. For the traditional Bow Shooter Wooden Arrows: Traditional for Longbow and for Traditional Archers Generally. Starts at the entry level wood arrows and then there is a selection of wood shafts matched to bow weight and arrow length which are available as for Aluminium and Carbon arrows. Widely used by Field Archers ,Longbow Archers, and Traditionalists. Choices of Arrows with WoodenShafts: Longshot Economy Wooden Arrows: Two sizes, Small Diameter 5/16 " for lighter weight pull bows ,and Larger diameter 11/32" for heavier weight pull bows. Good for Longbow, Field , Roving..... and as ammunition ! Longshot Wooden Field Arrows: Choice of Two Diameters and a range of Stiffness . POC Premium Wooden Fletched Arrows: Nicely prepared and selected shafts for matched sets of wood arrows. POC Elite Wooden Fletched Arrows: Top of the Range Selected Shafts for good arrow match made in sets of 6 or 12. Longshot Flu Flu Wooden Arrows: Made to set off fast and slow down rapidly. Not usually used in competition shooting but rather for have a go situations, or to stop the arrow travelling any distance.Comment : You should to make up some of your own wooden arrows to understand about arrows. The satisfaction of making your own arrows as well as the lesson from making them is worth the effort----------Arrow Charts The Easton Arrow Chart. Easton are the world leaders in competition arrow making. Eastons Chart covers all the Carbon , Aluminium, and Carbon/Aluminium Composite Arrows that Easton produce. It also is a guide to the stiffness needed to get your arrows to fly from your bow even for non Easton Arrows. This can be done by looking at the range of 'Spine' number for the arrow most likely to suit your bow and arrow length. Spine is a numerical stiffness measure which is applicable to all arrows. For Wooden Arrows there is a different chart on the pages for the Wooden Arrows but the principle is the same.----------Using the Easton Arrow ChartIt is not as complicated as it first appears. Example: You have a recurve bow with a weight of pull of 32 lbs at your arrow length of 26". -Go to the Easton Chart where it is headed YOUR ARROW LENGTH FOR TARTGET.FIELD.3D -Go along the top row to 26" and select that column -Go down the right hand side to 32 lbs, to select that line -See where Column and Line intersect at a box. In this case Box T2 -Now go to the Box T2 below where there are the Arrow Types ,The T2 Box lists all the arrow types for you to choose from. If for example you want a good aluminium arrow like Platinum xx75, then the 75 alloy arrow size is shown as1716 for this T2 Box. So 1716 is the arrow size you need. You can choose any of the 75 Alloy arrows and they will suit your bow weight and arrow length. You can also see the size of arrow in other arrow types. If you wanted Carbon arrows, in the same T2 Box there are the sizes for each of the carbon arrow types that will suit your needs and be the equivalent to the 1716 75 Alloy arrow. If you want further guidance please give us a call.----------