

Upgrading Combat Archery Blunts to 1.5"
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First you will need to assemble the materials required.

The tape should be flexible in nature so it can make bends without compressing the foam. A good quality electrical/fiber/Duck/duct tape will do the job. Avoid thick duct tape. Score the Duck tape with a utility knife so one inch strips can easily be removed.



Closed cell foam pads are required to have a thickness of between 0.5" to 1.0 ". The diameter will vary depending on the blunts used. In this case 1 3/8" diameter pads are cut. A 1 3/8" id muffler adapter was sharpened with a file and used like a cookie cutter to punch out the foam pads. A 4.25" strip of 1/8" closed cell foam wide enough to cover the foam pad and a half-inch of the blunt. As half-inch foam pads are being used here, the strip is an inch wide.



Building a "story-stick" will save a lot of time with measuring and cutting the tape. Use a piece of spruce one by two at least sixteen inches long. Place marks at seven and a half inches, ten and fifteen inches. Stretch a piece of

duck tape over the stick and use the marks to cut strips to the needed length. The seven and a half and fifteen-inch marks are used to cut tape strips to secure the foam pad at the tip of the blunt and the pieces of tape used to encircle and support the foam pad. The ten-inch mark is used to cut the tape to wrap a thirteen-inch crossbow shaft. Simply cut a piece of tape seven and a half inches long, place a foam pad in the middle of the tape and press to secure the pad. Secure the foam pad to the blunt by running the tape down the sides of the blunt and onto the shaft. Be careful not to compress the foam pad.

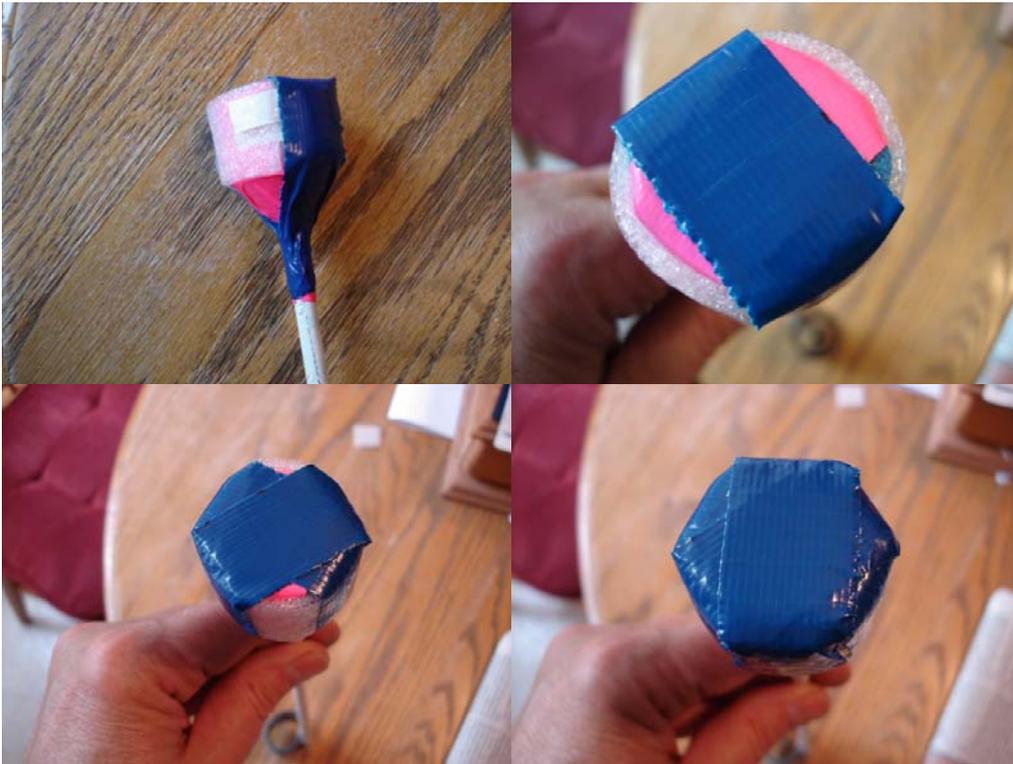


Attach the side-wrap of 1/8" closed cell foam. One or two wraps will be needed. If Lu-Shan blunts are used, one wrap will do the job as these blunts are oversized. Smaller 1.25" diameter blunts will require two wraps.





Secure the pad/blunt assembly with three strips of one-inch duck tape. Use just enough tension on the tape to force it around the corners. Do not compress the foam. The tape must extend down the shaft for at least a half an inch.

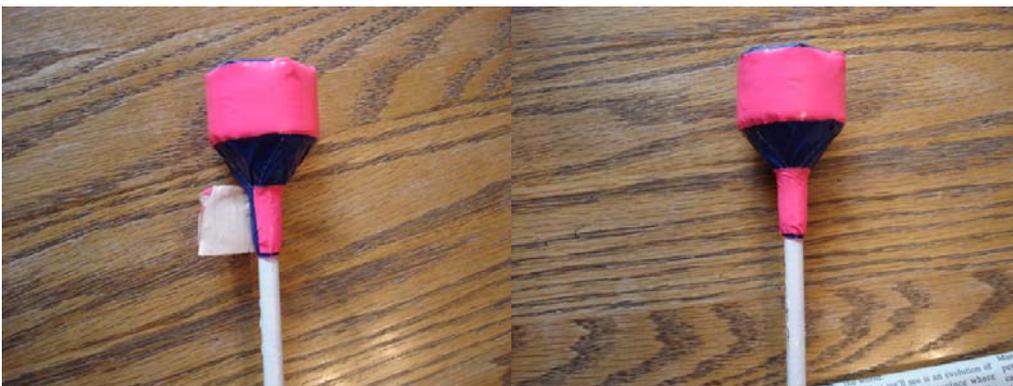




Use a fourth piece of tape to encircle the foam pad and blunt. Use a lot of tension when applying this piece as this will serve to stiffen the foam. The goal here is to reduce the possibility of foam entering a face grill.



A fifth piece of tape cut long enough to encircle the shaft, is used to secure the blunt to the shaft.



Check the blunt assembly with a 1.5" gauge. The gauge was made by using a 1.5" Forstner bit, a drill press and good quality plywood. If the blunt is less than 1.5" across, add more wraps of tape until it will no longer pass through the

hole. Each wrap will increase the diameter of the blunt by 0.01".

