

How to Make a Weapon

Materials needed for creating a NERO-safe one handed weapon:

3/4 inch PVC pipe (white in color) or anodized aluminum pipe (for two handed weapons only!)

5/8 inch thick pipe insulating foam (light green in color)

Open cell foam

Grey duct tape

Electrical tape

Hacksaw

Scissors

Razor blade

Ruler or yardstick

1. Using the hacksaw, cut the PVC pipe into the desired weapon length.

2. Using the scissors, cut the pipe foam into the desired blade length.

3. With duct tape, cover the ends of the PVC pipe so that there are no open ends.

4. Slide the pipe foam over the PVC pipe so that one inch of foam hangs over one end of the PVC pipe.

5. Measure a section of pipe foam for the cross guard. Cut a hole in the middle of the cross guard and slide it onto the end of the PVC pipe. Secure the cross guard to the blade using two strips of duct tape.

6. Stuff the ends of the cross guard with open cell foam to strengthen the cross guard. Close off the ends of the cross guard with duct tape.

7. Cut off one inch from the pipe foam and cut it into two equal halves. Compress one of the halves and stuff it into the end of the blade end. Using the duct tape, cover the blade end.

8. Cut three inches to be used as the butt end (the "Waylay tip").

Place the butt end over the end of the weapon so that the foam hangs one inch over PVC Pipe. As with the blade tip, place a half circle compressed into the end of the butt end and cover it with duct tape. Secure the butt end to the PVC pipe with duct tape.

9. Cut a three inch thick section of open cell foam to cover the thickness of the pipe foam. Secure the open cell foam to the pipe foam with a few layers of duct tape (but not too many layers, as the tip will become too stiff and un-passable).

10. Repeat this process for the butt end.

11. Poke a few holes into the tips to allow air to flow more freely.

12. Place the duct tape lengthwise to cover the blade, butt end and cross guard.

13. Wrap electrical tape in a spiral around the handgrip.

Your weapon is now complete! Check it for safety. (Is it too stiff? Too Whippy? Is the pipe protruding? etc.)

Weapon Specifications

Weapon	Blade / Head		Overall Length		Recommended Pipe Diameter	Max Grip
	Blade Min	Blade Max	Min Length	Max Length		
Small Weapon	8"	17"	12"	24"	1/2" CPVC	6"
Throwing Dagger	-	-	12"	18"	n/a	-
Shortsword	18"	24"	26"	32"	1/2" CPVC	14"
Longsword	25"	36"	34"	44"	3/4" CPVC	14"
Hammer / Mace		18"	26"	44"	3/4" CPVC	14"
Axe	12"	18"	26"	44"	3/4" CPVC	14"
Staff	-	-	60"	72"	3/4" PVC or Conduit	2 x 9"
Javelin	-	-	36"	40"	n/a	-
One Handed Spear	8"	8"	48"	58"	3/4" PVC	30"
Arrow / Bolt	-	-	12"	-	n/a	-
Two Handed Sword	40"	48"	50"	62"	3/4" PVC	22"
Two Handed Blunt	18"	*	48"	62"	3/4" or 1" PVC	36"
Polearm	18"	24"	60"	72"	1" PVC	36"

* = *The maximum volume for a blunt weapon is two cubit feet.*