

# **GRANDPA G'S**

## Target Stand Plans



*From the book*

### **“Way of the Concealed Carrier”**

*The Concealed Carry Lifestyle for Our Modern Day American Samurai*

[www.WayOfTheConcealedCarrier.com](http://www.WayOfTheConcealedCarrier.com)

This do it yourself guide will help you create your own affordable target stand. Depending on your location, it would cost you under \$50. Plus, you can apply whatever color you want. The parts listed in this guide are for one stand only. You can print this page and take it to the store since it has the complete list of parts you will need.

This project will take about 3-4 hours or less after you’ve got all the items and tools together. If you’re going to make more than one stand, it will take you less time since you already have experience with the previous stand(s). I have three stands and some orange cones which have been introduced into my training. You can also go on the Internet and find some firearm training drills and practice them. I have incorporated sand into the base piping since there are some days that are windy and these have stood their ground.

Read everything first so you get a better idea of what you’ll be doing before you go out and buy your tools or supplies.

**NOTE:** If you find any mistakes, please let me know and I will correct it. Just go to my website or click on [Contact “G”](#)

# PARTS LIST

- PVC 90° Elbows (1 inch) / QTY = 2



- PVC Tee Joint – (1 inch) / QTY = 4



- PVC Cap – (1 inch) / QTY = 2



- \* PVC pipe (3/4 inch) 12 foot total / QTY = 1



- PVC Insert Plug (3/4 inch) QTY = 8



- PVC Coupling (1 3/4 inch x 2 1/2 length) / QTY = 2



- PVC Coupling (1 1/4 inch x 2 1/4 length) / QTY = 2



- 1.5" x 3/4" x 8' furring strips / QTY = 2



- Wire Square Lock Pin (2 1/2" x 3/8") / QTY = 2



- Sheet Metal Screws ( #10-1 1/4) / QTY = 2



- #16 Chain Link (1inch / 1 ft. length) / QTY = 2



\* If the pipes are less than 12 foot, you may have to purchase additional piping to have a total of 12 feet. So if they come in 10 foot lengths, than buy another two footer. Most stores will cut the pipe for you. Each pipe will be 17 inches long after its cut.

## TOOL LIST

- Hack saw or a PVC Pipe Cutter



- Tape measure



- Drill bit (3/8 inch)



- Phillips Screwdriver



- Drill



- Hammer



## SUPPLY LIST

- Sand (spare tube sand from the winters)



- Spray Paint for Plastics



- Sandpaper (220 grit)



- Plastic Pail



- PVC Cement Kit (Cement and Primer) / QTY = 1



- Pencil



- Plastic Funnel



# STEPS TO ASSEMBLE TARGET STAND

**Step 1** – *Cut PVC Pipe to 17" Lengths: When finished, you will have 8 sections of piping.*

**Tools/Supplies:** *Tape Measure, pencil, hacksaw or PVC pipe cutter and sandpaper*

1. On the PVC pipe, make a mark every 17 inches with pencil. Take your hacksaw or pipe cutter and cut at those pencil marks. Don't use a permanent marker since it will show through some of the paint after you spray it.
2. Take your sandpaper and sand away any manufacturing stamping on the tube. Removing this will help with the adhesion of the spray paint and depending on the color of paint, the manufacturers markings will not show through.

**Step 2** – *Filling Tubes with Sand and Putting in the Inserts.*

**Tools/Supplies:** *Sand, PVC insert plugs, plastic pail, plastic funnel and hammer.*

1. Select 5 of the pipes that you have cut. On one end of each pipe, insert the PVC plugs and hammer them in.
2. Fill your pail halfway with sand.
3. Take your sand and fill up your tubes using the plastic funnel, but leave a little room at the top so you have room to hammer in the rest of the PVC insert plugs.
4. Hammer in the insert plugs to hold in the sand. These 5 pipes with sand will be the base of your stand.



**Step 3** – *Sealing the Caps on Rear Tubes (for the base).*

**Tools/Supplies:** PVC caps, sandpaper and cement

1. Grab two of the tubes that have sand in them and also grab two PVC caps.
2. Take the PVC cement kit and use the primer and prime the inside of the cap and around the end of the pipe.
3. Take your PVC cement and glue your cap to the ends of both pipes. The two pipes will have only one cap.
4. After assembly and the cement has dried, sand off any manufacturer markings, excess glue and primer.



**Step 4** – *Installing the Front Base Section Elbows.*

**Tools/Supplies:** *PVC 90° Elbows, sandpaper, primer and cement*

1. Find a tube filled with sand that only has the insert plugs on both ends (no end cap).
2. On one end, use the PVC primer, then cement an elbow on it.
3. Do the same with the other tube filled with sand.
4. Remove any manufacturing markings from the elbows using sandpaper.



**Step 5** – *Installing the Tees on the Base*

**Tools/Supplies:** *PVC tee joint (2), sand paper, primer and cement*

1. Select two sand filled pipes that have a cap cemented to them.
2. On the end of each pipe, prime and cement a tee joint to it.
3. Sand off any manufacturer markings.



**Step 6** – *Attaching Tee Joints to Mid-Section*

**Tools/Supplies:** *PVC tee joint (2), sand paper, primer and cement*

1. Select two pipes that have not been filled with sand.
2. Prime and cement a PVC tee joint to each tube.
3. **Note:** You will have one tube left over (with no sand in it) that will be used later for assembly.
4. Sand away any manufacturing marking from the tee joints and the three tubes.



### Step 7 – Cement the Couplings to the Tee Joints

**Tools/Supplies:** Coupling (1 ¼ inch x 2 ¼ length), coupling (1 ¾ inch x 2 ½ length), screw, sandpaper, Philips screwdriver, drill, drill bit (3/8<sup>th</sup>), Wire Square Lock Pin, sandpaper, primer and cement

1. Sand away any manufacturers markings on the couplings
2. Measure and mark ¾ inch down from the top and drill a hole through the coupling until you reach the other side of it. You will have a hole on both sides of the coupling (Fig. 1).
3. Prime and cement coupling (1 ¼ inch x 2 ¼ inch length) to the inside of the other coupling (1 ¾ inch x 2 ½ inch length) – Fig 2 & 3.
4. Make sure the side with the hole in it is NOT the side attached to the other coupling. If you do, you will be covering the hole.
5. After the coupling has been cemented and dried, remove any manufacturer marking with the sand paper.
6. Take the cement couplings and prime the end away from the hole and cement it to the top of the tube with the Tee Joint you built in Step 7 (previous page, the one with no sand in it). See figure 4. The screw is a reference point to show you where the hole is in reference to the Tee Joint after it is glued.
7. Now take the other couplings and do the same as you did above for the other tube with the Tee joint.
8. Insert the Wire Square Lock Pins into the hole that you drilled to make sure it fits (where the screw reference points are located).



(fig. 1)



(fig. 2)



(fig. 3)



(fig. 4)



Wire Square Lock Pin

### Step 8 - Drilling Hole into Furring Sticks

**Tools/Supplies:** Furring sticks, drill, drill bit (size), zinc chain, screw, and screwdriver

1. Use your hacksaw to cut the furring sticks to the height of 4 feet (48 inches). You can either do this at home, or the place where you bought them, you can have them cut the wood for you.
2. Remove the wire square lock pin (if inserted), take your furring and insert it into the coupling. Make sure that it is straight and take your drill, put it into the hole you already drilled and drill a hole through the furring.
3. Take the other furring and do the same for the other coupling with a hole in it.
4. Drill a smaller hole into the smaller coupling. Just make one hole on one side of the coupling. This is where the screw will go to attach the zinc chain.
5. Cut your zinc chain to about 5 inches.
6. Take your chain and place the small screw through one of the eyelets in the chain and screw it into that hole. Do the same for the other coupling.

7. Attach the other end of the chain to your wire square lock pin. This will keep your pins from being lost when you disassemble your stand.



*(Couplings, Tee Joint, Zinc Chain, Screw, Wire Square Lock Pin, and painted)*

### **Step 9 – Painting Your Stand**

**Tools/Supplies:** Paint and sandpaper

1. Find an area where it is not windy and safe from being exposed from the paint fumes.
2. Spray all of your piping before you assemble it.
3. Give it a couple layers of paint.
4. After it dries, assemble your stand. If you have problems inserting the tubes into the elbow or the tees, sand the ends of the pipe to remove the paint so it can smoothly insert into the ends. If you want, you can tape the ends of the pipes and paint over them. Then after the paint dries, you can remove the tape and there would be sanding required.

### **Step 10 – Complete Assembly of the Base**

1. Photos below show the layout of all your tubes and assembly.
2. Start with the base first. Connect two of the tubes filled with sand into the elbows.
3. Connect your other tubes filled with sand (with the caps on them) and plug those into the tees.
4. Insert the empty tubes with the couplings into the bottom tees.
5. Connect your pipe which has nothing cemented to it to the tees which are connected to the couplings.
6. After complete assembly, insert your furrings into the couplings, insert the clevis pin, and attach your target.

