

How to Make an Arm Cast

(Please read through instructions and collect items prior to starting)

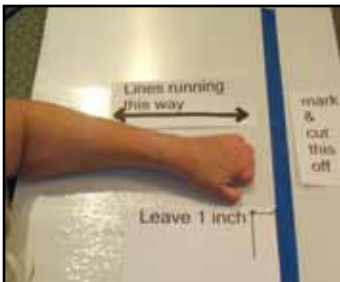
Items you will need:

1. Old clothes to wear
2. Corrugated plastic yard sign
(around \$5 at hardware store)
3. Sharpie
4. Box/carpet knife
5. Yard stick
6. Duct tape
7. Measuring cup
8. Large bucket
9. Whisk and spatula
10. 7 cups of dried beans/rice or other small dry pour-able item (optional for step #6)
11. Enough Buckets of "Precious Impressions Memory Hands Keepsake Kit"
to cast arm (amount to be determined in step #6) Purchase kit at Amazon.com



Things to know before you cast:

The cast for "Remote" Robohand fabrication must include all of hand up to the elbow crease. This allows for custom hand cap and forearm gauntlet construction and results in a more functional, comfortable and safe use of the Robohand design.



Step 1:

Place arm that will be cast on the corrugated yard sign from elbow to end of hand. Make sure lines in sign are running parallel with length of arm. Add 1 inch past the hand and use sharpie and yard stick to mark this length. Cut off end with box/carpet knife.



Step 2:

Carefully cut slits every 1/2 inch or so in just one side of the corrugated sign (Try not to cut all the way through the sign) This will allow you to make a casting tube that will be the length of the forearm and hand (plus 1 inch)



Step 3:

Roll the sliced yard sign to make your casting tube. Make sure to leave 1" inch of space on all sides around forearm (if appropriate, make sure tube is big enough to allow thumb to be held away from palm without touching side). Cut away any unneeded yard sign.

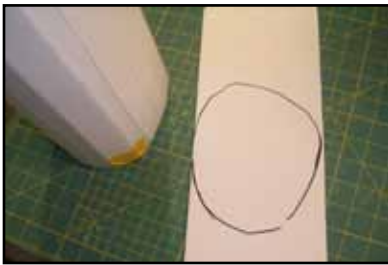


Step 4:

Tape over any slits that go all the way through the yard sign. Then tape ends of the sign together using one long piece of tape on the inside and another piece of tape outside

NOTE: Tape should be one continuous piece





Step 5:

Use tube as pattern on unused piece of yard sign to draw circle. Cut out circle and tape it to one end of the of tube. this will cap the tube, to avoid leaks, tape around and across. If your tube is large you can reinforce it with a couple rings of tape to complete your casting tube.



Step 6:

Each bucket of **Precious Impressions Memory Hands Keepsake Kit** contains 7 cups of casting gel.

How to find out how many buckets of the Kit you will need

First, place the arm your casting (up to the elbow) in the casting tube. Then, fill tube with 7 cups of dried beans, rice or other small dry objects. If 7 cups fills the tube 1/2 of the way you will need at least two (2) Kits. If 7 cups fills the tube 1/3 of the way you will need at least three (3) kits. Generally, children will need 1-2 kits and adults need 2-3 kits.

Step 7:

Follow the kit casting instructions with these modifications:



Mark left side



Mark right side

1. Make sure you have old clothes on.
2. Place casting tube in large bucket to catch any overflow that might occur.
3. Moisten the hand and arm with olive oil before casting. There will be a good bit of suction when removing the arm from the gel, the olive oil will help the arm slide out
4. Find a comfortable position for the person being cast to hold their arm, up to elbow (with thumb away from palm), in the casting tube in the bucket to catch over flow.
5. Set-up time for the gel will take slightly longer than kit instructions. The more gel you use a longer set up time will be needed, around 3-4 minutes for an adult. The person being cast can feel when the gel has turned hard and the gel changes color from pink to white.
6. You can use the "Memory Hands Keepsake Kit" buckets to mix the gel and stone ingredients.
7. When casting the stone portion of "Memory Hands Keepsake Kit" start with very small amounts of "Precious Stone" making sure to bounce the casting tube up and down at an angle. Bounce in a complete circle, think numbers on a clock to release any trapped air bubbles and get the plaster in every nook and cranny. **Note:** If this is not done correctly, the result could be a cast that does not fully represent the individuals arm/hand.

Once you have finished your cast.

Please let cast dry thoroughly. **Note:** Casts will turn moldy during shipping if shipped wet.

Using a sharpie marker

1. Write the person's name on bottom (elbow part) of cast.
2. Write "palm" on palm.
3. **Mark where the wrist bends on both sides of cast!!!!**
Do this by having the person bend their wrist then eyeball the same location on the cast
Don't forget to do both sides!

Step 8:

Make outline of opposite hand to include with cast. Write name on outline. This is so we can provide a Robohand with as much symmetry as possible.



Step 9: Mail the finished cast, deposit check (if needed) and outline of opposite hand and signed release form to:

Tyhanna Esham
Robohand USA
2194 Wisteria Way NE
Atlanta GA, 30317