

Items required to build a Phoenix hand

The following items are required in addition to the 3D printed parts. Imperial/US measurements are quoted but metric equivalents should be substituted where appropriate. :

- 3x pan head Phillips sheet metal screws (see sizing table)
- 13x countersink head Phillips wood screws (see sizing table)
- 80-100 lbs strength braided fishing line (see sizing table)
- 10x non-latex heavy grade dental bands (see sizing table)
- 3/8" thick self-adhesive firm foam (use foam cutting templates to determine total length)
- Thick CA glue such as Superglue for sealing the knots in the fishing line
- 5x #3 Lee Tippi gel finger tips
- 2x Velcro straps, 12" long, 1" wide, non-elastic (often sold as cable straps)

Note: The size of the screw holes in the 3D printed parts varies between printers so it's advisable to double check the required screw thickness against your actual printed components to ensure that they are neither too loose nor so tight that they crack the plastic.

Scale	100%	130%	145%	160%
Pan head sheet metal screws	#4 x 5/8"	#6 x 3/4"	#6 x 1"	#6 x 1 1/4"
Countersink head wood screws	#4 x 3/8"	#6 x 1/2"	#8 x 5/8"	#8 x 3/4"
Dental bands	1/4"	5/16"	5/16"	5/16"
Fishing line	65"	85"	95"	104"