5 Shot Rubber Band Gun

1) Make a kit
2) Assemble the kit into a rubber band gun
Make a kit

• Cut the pattern (file included) from 1/8 inch Baltic Birch Plywood
  • Note: The center piece may be cut from a thicker ply (like ¼ birch)
  • Caution: MDF tends to burn leaving charcoal (which leaves black marks) on the edges

• The spring comes from the border of an automotive windshield sun shade
  • Remove the cloth and you are left with approximately 7 to 8 feet of spring steel per side.
  • Cut off a two inch (no longer) piece and slightly bend to the shape shown.
  • Install in the center piece as shown

• Sand paper is standard 150 grit.
  • Paper is put into a laser cutter face down and cut into pieces that are glued to cutouts from the wood pattern

• Tape is used to make the center piece slightly thicker than the trigger in the assembly.
  • This provides enough clearance for the trigger (not taped) to move freely between the side pieces.

• Paste-Wax makes the trigger assembly slide easier between the side pieces.

• Rubber-bands identified are a good length for this size rubber band gun

• Toothpicks identified are approx. 0.077 in diameter and made to be a slight press fit
Supplies to make the kit

- Rubber bands
- Round Toothpicks
- Spring wire from inside of sun shade
- Sand Paper
- Tape
Cut the five panels

Sand paper is glued to block and later included with kit
Trigger Return Spring

- Measure & Cut the spring (two inches)
- Make sure it is not wider than the center piece wood thickness (use ¼ inch wood if necessary)
Trigger Return Spring

- Bend (slightly) to shape
- Install in the center piece
Laser cut the sand paper (pattern in file) and glue to one of these blocks
Add and trim tape to both sides of center piece

Do not cover trigger
Make a rubber band gun from the kit

Rubber band gun kit (w/o cover)
Supplies /tools needed to assemble the rubber band gun

- Round Toothpicks
- CA gel glue
- Utility Knife
Push out the pieces
Apply wax to trigger sliding surfaces
Install the trigger on to the center piece
Sand serrations at the back of side pieces until they taper to the edge
Position the side and center pieces and grips
Install Toothpick Pins
Score the toothpicks at the surface and break at the score mark.
Add CA glue to the cut-off end of each toothpick (both sides)
Sand cut-off ends to Smooth
Load with five rubber bands from bottom to top.
- Assemble targets and set up about 24 inches away

- Pull the trigger all the way back for each shot to sequence the next shot

- Five shots / five targets
  Try to get 5 for 5