

# SHIMPO HANDHELD EXTRUDER

## The Shimpo Hand Extruder ...

is the most complete, easy-to-use hand extruder on the market. It's perfect for ribbon handles, sculptural parts, and small shape runs for a thousand other uses. This extruder comes fully assembled, ready to use, and equipped with 14 solid dies. All parts are fully replaceable in case of damage or defect. It's easy to clean, too: all you need is warm water! You'll find many uses for this exceptionally rugged small extruder in your studio or classroom. Full instructions, parts list and adjustment tool included with the extruder.

- 9x2" aluminum barrel
- Quick-release end cap
- Comes with 14 standard dies.
- Hollow die center brace sold separately.
- 12:1 mechanical gearing for ease of use.

GEXS ..... **Handheld Extruder** with 14 dies ..... \$99.00

*Includes 6 Shimpo dies + 8 Basic Shape dies*

GEXEV ..... **Everything Set** ..... \$187.00

*Includes Extruder, GEXHBB, 14 dies; GEXB1-8, GEX9, GEXN1-8, GEXC1-3, GEXR3-4.*

*Valued at \$220.00 if purchased separately*

GEXEVB ..... **Everything Plus Set** ..... \$222.00

*Includes Extruder, GEXHB, 22 dies; GEXB1-8, GEX9, GEXN1-8, GEXC1-3, GEXR3-4.*

*Valued at \$261.00 if purchased separately.*



6 Shimpo bonus dies

## Hollow Shapes

GEXH9 ..... Large Round Hollow Tube ..... \$7.00

GEXHBB ..... Hollow Die Brace ..... \$23.00

GEXHB ..... Hollow Brace + 8 bonus dies ..... \$64.00

2 circles, 2 squares, 1 triangle, 1 hexagon, 1 oval, & 1 rectangle.  
(Retail value \$79 if purchased separately)



GEXH9

Hollow Round Tube

GEXHBB



GEXHB bonus dies

## Basic Shapes - only available with extruder - not sold separately



### 8 Basic Shapes:

GEXB1 ..... Small Round 1/4"

GEXB2 ..... Medium Round 1/2"

GEXB3 ..... Large Round 3/4"

GEXB4 ..... Small Ribbon 1/8 X 3/4"

GEXB5 ..... Large Ribbon 1/4 x 1-1/8"

GEXB6 ..... Small Square 1/4"

GEXB7 ..... Medium Square 1/2"

GEXB8 ..... Large Square 3/4"

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# GEXS EXTRUDER DIES

## Handle Ribbons



GEXN1..... 1-1/8 x 3/8"  
GEXN2..... 7/8 x 3/8"

GEXN3..... 1-5/16 x 1/4"  
GEXN4..... 1-7/16 x 3/8"

GEXN5..... 7/8 x 1/2"  
GEXN6..... 1-1/16 x 3/8"

GEXN7..... 1-3/16 x 7/16"  
GEXN8..... 1-1/16 x 3/8"

**SINGLE DIES** ..... \$7.00 ea

**GEXNS**.....Handle Ribbon Set includes GEXN1-GEXN8 ..... \$42.00

## Solid Ropes



GEXR3..... 1-3/8"w  
GEXR4..... 15/16"w

## Solid Coils



GEXC1.....1-1/2 x 13/16"  
GEXC2.....1-3/16 x 5/8"  
GEXC3.....1-3/16 x 5/8"



Blank Extruder Dies can be custom cut into shapes to fit your designs. Either done by a professional, or do it yourself by drawing a shape with a sharpie and then use a drill and jewelers saw to cut out your shape. With 4 per package, you have a lot of options to make your designs the way you imagine!

**SINGLE DIES** ..... \$7.00 ea

**GEXB**..... Blank Dies (set of 4).....\$10.00

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# Congratulations on your purchase of the Shimpo Handheld Extruder!

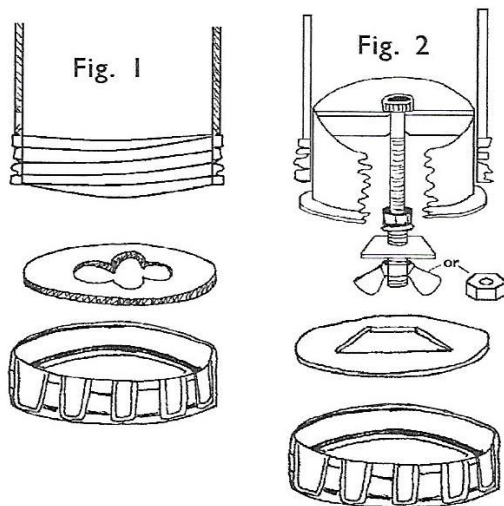
The Shimpo Extruder is the most complete, easy-to-use hand held extruder on the market. Your basic extruder comes assembled, ready to use, and equipped with 14 solid dies. All parts are fully replaceable in case of damage or defect. You'll find a complete parts list on the back of this sheet.

## How to Load Your Extruder

1. Press "release" lever and hold down with thumb of one hand while pulling back on the T-shaped handle of the plunger shaft. The tamper is now fully up at the tip of the extruder barrel.
2. You may load clay from the top of the barrel or the bottom end cap, whichever you prefer.
3. You will find it easiest to load if you prepare a rough handrolled coil, approximately the width of the barrel, and drop it into the extruder through the die end of the barrel.
4. If the clay is very wet, you may add a small amount of oil on the inside of the tube to reduce drag and sticking.
5. Screw the end cap with the die onto the barrel. You are ready to extrude!

## How to Use Your Extruder

1. ALL extruders require **SOFT** clay
2. Select the die shape desired and place it in the end cap (see Figure 1)
3. Load the extruder as described above.
4. Squeeze the easy-to-use handle until the plunger engages the clay. Continue to squeeze and your extrusion evacuates from the tube. Depending on the type and length of your desired extrusion, you may find it easiest to rest the end of the barrel parallel on a table and "lay out" the extrusion. Even though the handle is easy-squeeze, this method enables many users with smaller hands to get a better grip and give the gun a "two-fisted" squeeze.
5. All of the clay evacuates cleanly from the barrel of the extruder.
6. Reload, or change the dies and reload. Remember to press the release lever and pull back on the plunger shaft. As the tamper pulls back, the pressure is released and it will be easy to unscrew the end cap.



## How to Use Hollow Dies

1. Select your die shape. Hollow forms require 2-part dies, with both inner and outer shapes.
2. The bottom locking nut position can be adjusted with a wrench to desired height.
3. Snug the inner die up to the inner die stop.
4. Hand-tighten with wing nut or screw nut. Both are included and which one to use is your choice (see Figure 2). Note - if the hollow die's center part is smaller than the wing nut, use the screw nut instead to hold the center part in place.
5. DO NOT OVERTIGHTEN or mechanically tighten these fittings. Lock nuts secure the screw shaft in vertical position for even extrusions.
6. Load clay in the extruder
7. Slide hollow brace, loaded with inner die, into barrel.
8. Place outer die brace into end cap and screw on
9. Adjust position of inner die brace with Allen wrench, if necessary to conform to shape or orientation of outer die (so that corners line up with corners, unless you want them intentionally offset).
10. Simply squeeze the handle to extrude the clay. There is no need to apply undue or extreme pressure. Forcing too-firm clay through the extruder or using undue force can bend dies or even break the hollow die brace.

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It's easy to clean your Shimpo Extruder!  
All you need is warm water!  
Be sure that the inner end cap is tight.

# Handheld Extruder Parts List



**H-EXTRD-TR03**  
Trigger Release



**H-EXTRD-TRS04**  
Trigger Release Spring



**H-EXTRD-GP05**  
Grip Plate



**H-EXTRD-GPS09**  
Grip Plate Spring



**H-EXTRD-M8HN23**  
M8 Hex Nut #23



**H-EXTRD-M8HN25**  
M8 Hex Nut #25



**RSSAA004010**  
Socket Head Cap Screw for  
Hollow Die (M4 x 10 mm)



**H-65-ALH**  
Allen Wrenchg for Hollow Die  
(3 mm)



**H-EXTRD-NLN20**  
M6 Nylong Insert Lock Nut #20



**H-EXTRD-WPD**  
Plastic Extruder Plate



**H-EXTRD-BEC**  
Black End Cap



**H-EXTRD-PULL**  
Plastic Plunger Pull



**H-EXTRD-TMS**  
Threaded Metal Shaft (M8/M6)

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