

## Corbin Air Gun Projectile Packages, 2022 Price List

There are two basic styles of air gun projectiles. The terms "pellet" and "slug" are sometimes used to indicate bullets designed for air guns, but for swaging purposes all these terms simply mean "lead projectiles designed for use in compressed air powered guns" and are used interchangeably.

Projectile types:

1. SWC Style - straight shank with .015-in minimum shoulder to nose.
2. Smooth ogive Style - ogive curve blends into shank without a step.  
This is further divided into SOLID ogive and HOLLOW ogive (HO) designs.



The SWC style can be swaged in a simple straight-hole die with the base and nose shape formed against the ends of punches sealing either end of the die bore. The step or shoulder is necessary because the nose cavity in the punch needs a minimum wall thickness at the edge in order to withstand the forces applied. The die is called a "LSWC-1-S" or a "LSWC-1-H" depending on the press (S-press, Mega-Mite or HydroPress).

The Smooth Ogive style requires a die with the bullet nose or ogive formed in the shape of the die cavity itself. This eliminates the need for a step, but means that the die cavity must be a semi-blind hole with an ejector pin at the tip. The shape of the nose (ogive) cannot be changed with a punch. Each nose shape requires a new die. The die is called a "PF-1-SP" or a "PF-1-HP" depending on the press (S-press, Mega-Mite or HydroPress).

Both kinds of dies can make a virtually unlimited number of weights with the maximum being limited by the length of the die and press stroke. Both kinds of dies use bleed holes to precisely adjust the weight of the projectile. And both kinds of dies can have various shapes of base punches, to change from flat base to dish base, cup base, hollow base, or even a rebated boattail base. The LSWC base punch is internal, and the PF-1-SP base punch is external. The SOLID ogive is made in ONE die (PF-1-SP or PF-1-HP) with or without using a hollow point. The HOLLOW ogive is made in two steps, using a HO Pre-form die (CSW-1-S or CSW-1-H HO Preform core swage).

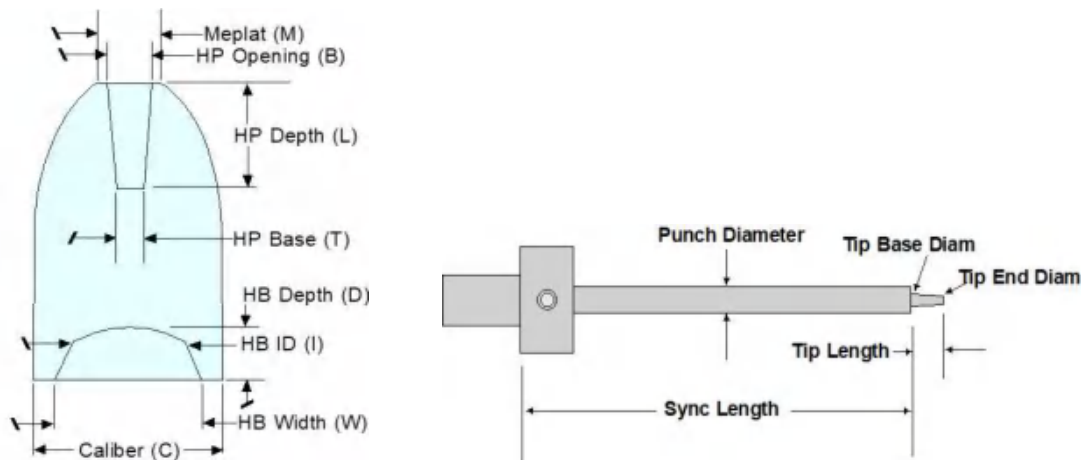
The most popular base shape for lower-pressure air guns is either the cup base or hollow base (difference is the depth). For higher pressure PCP guns, a flat base, rebated boattail base, or dish base is more popular. Any standard shape is the same cost, and custom shapes to client specs are available for addition \$70.

The nose shape in the LSWC type die can be changed with a different external punch shape. Typical nose shapes are the target wadcutter, button nose wadcutter, 3/4-E SWC, Keith SWC, and conical SWC. The most popular nose is the 3/4-E SWC. Custom shapes to client specs are available for an addition \$70.

The nose shape in the PF-1 type die is often a 2-S spitzer or a 4-S spitzer shape, but can be any custom shape for an additional \$200. The most popular standard shape is 2-S tangential ogive (spitzer). This is the "default" ogive if none other is specified.

Hollow points in the SWC projectiles are made by using either two steps (a separate hollow point punch and then a nose shaped punch, which allows great versatility) or in one step with a custom nose punch having a hollow point post mounted in it. The standard HP and standard nose punch are \$50 each, one being included with the die. The custom combined HP/Nose Shape punch is \$149. It has the advantage of faster production. It has a fixed nose and hollow point shape that cannot be modified by technique, unlike the two-punch method.

Hollow points in the PF-1 smooth ogive projectiles are made by specifying a hollow point shape on the tip of the ejection pin punch. The same die can use different punches or even replaceable punch inserts to make flat tips or various shapes of hollow points. The punch is synchronized to within 0.001 inch of the position of a specific die cavity depth, to seal pressure at the exact position of the cavity tip. Any portion of the ejection punch projecting beyond that length forms a hollow cavity in the tip. Punch inserts, either PUNCH-SI or PUNCH-HI, can be ordered to change the hollow point or tip shape. Sync numbers written on the punch and die are required to order proper punch length.



## PRICE QUOTES May 2022

SWC with your choice of base, standard nose shape, with CSP-1 S-press:

|   |                |
|---|----------------|
| CSP-1 S-press (shipping wt. 30 lbs, 19 x 11 x 9 carton) | 769.00         |
| LSWC-1-S specify diameter, base and nose shapes         | 199.00         |
| LW-10 lead wire, 70,000 gr (specific to caliber)        | 55.00          |
| PCS-1 core cutter, matched to above wire size           | 89.00          |
| CSL-2 swage lube  | 8.50           |
| <b>TOTAL (shipping additional) KIT-1SP</b>              | <b>1120.50</b> |

Solid Ogive with your choice of base, standard nose shape, with CSP-1 S-press:

|   |                |
|---|----------------|
| CSP-1 S-press (shipping wt. 30 lbs, 19 x 11 x 9 carton) | 769.00         |
| PF-1-SP specify diameter, base and nose shapes          | 489.00         |
| LW-10 lead wire, 70,000 gr (specific to caliber)        | 55.00          |
| PCS-1 core cutter, matched to above wire size           | 89.00          |
| CSL-2 swage lube 2-oz                                   | 8.50           |
| <b>TOTAL (shipping additional) KIT-2SP</b>              | <b>1410.50</b> |

SWC with your choice of base, standard nose shape, with CSP-2 Mega Mite Press:

|   |                |
|---|----------------|
| CSP-2 Mega Mite press (shipping wt. 70 lbs, 31 x 10 x 9 carton) | 1598.00        |
| LSWC-1-H specify diameter, base and nose shapes                 | 249.00         |
| LW-10 lead wire, 70,000 gr (specific to caliber)                | 55.00          |
| PCS-1 core cutter, matched to above wire size                   | 89.00          |
| CSL-2 swage lube  | 8.50           |
| <b>TOTAL (shipping additional) KIT-1HP</b>                      | <b>1999.50</b> |

Solid Ogive with your choice of base, standard nose shape, with CSP-2 press:

|   |                |
|---|----------------|
| CSP-2 Mega Mite press (shipping wt. 70 lbs, 31 x 10 x 9 carton) | 1598.00        |
| PF-1-HP specify diameter, base and nose shapes                  | 558.00         |
| LW-10 lead wire, 70,000 gr (specific to caliber)                | 55.00          |
| PCS-1 core cutter, matched to above wire size                   | 89.00          |
| CSL-2 swage lube  | 8.50           |
| <b>TOTAL (shipping additional) KIT-2HP</b>                      | <b>2308.50</b> |

### Options:

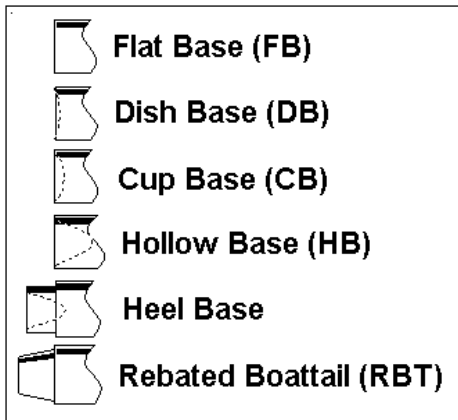
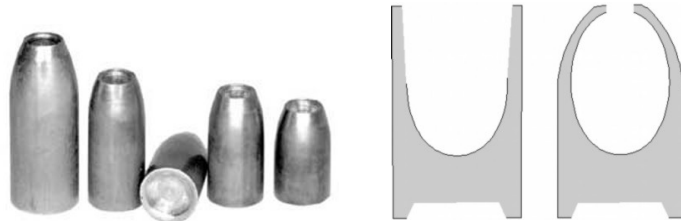
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|---|--------|
| Extra standard shape LSWC nose or base punch            | 50.00  |
| Custom hollow point/nose shape punch -S or -H type      | 149.00 |
| Custom SWC ogive or base shape punch, -S type           | 120.00 |
| Custom SWC ogive or base shape punch, -H type           | 149.00 |
| Additional hollow or flat tip punch, synch. internal PF | 70.00  |
| Add -S type Hollow Ogive (FX) capability (KIT-3SP)      | 199.00 |
| Add =H type Hollow Ogive (FX) capability (KIT-3HP)      | 249.00 |

The KIT-3SP is the same as the KIT-2SP plus a CSW-1-S Hollow Ogive Preform die, and can make both solid and hollow ogive slugs using the CSP-1 S-Press. \$1609.50

The KIT-3HP is the same as the KIT-3HP plus a CSW-1-H Hollow Ogive Preform die, and can make both solid and hollow ogive slugs in the CSP-2 Mega Mite or CHP-1 Hydro Press. \$2557.50

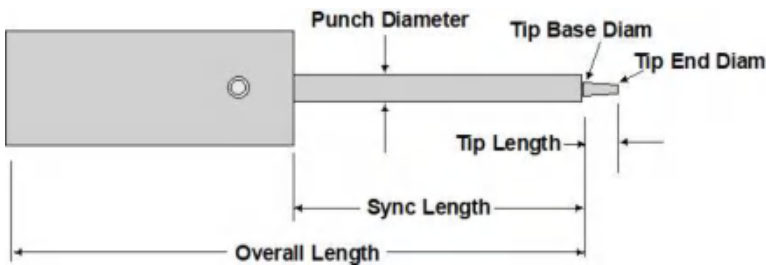


(Drawing illustrates how a hollow ogive slug is formed in two dies (wall thickness is greater in actual slug: it is shown thinner here to illustrate the process).



Hollow Point means a hole in the tip (meplat).  
Hollow Ogive means the entire nose is formed by rolling the walls of a large cavity formed in a straight wall die (CSW-1) by using a second die with curved walls (PF-1-SP).

This is the SAME die used to make a Solid Ogive.  
Solid Ogive means the slug cross section is solid,  
Solid Point (or tip) means there is NO hollow point poked into the solid ogive section.  
 Solid ogive slugs can be made in one die.  
 A HP ejector pin makes the hollow point.



PF-1-SP Slug Die



LSWC-1-H die (SWC pellets)