



SWAGING ROUND BALLS

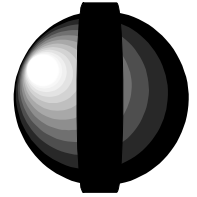
The round ball is a traditional type of projectile for muzzle loaders, but it suffers from two major defects. First, when you pound it home, it isn't round any more, but is more like an oval shape. Second, it has very little contact area to press the patch into the rifling, allowing slippage and gas leakage.

Fortunately, it is easy to swage a traditional ball that has a small modification to solve these problems.

Corbin manufactures the Springfield Ball Swage, which produces a ball having a small parallel band to align the ball in the bore and push the patch firmly into the rifling.

The band offers a greater resistance to gas leakage while insuring precision alignment of the ball as it is rammed down on the powder. The Springfield Ball remains far closer to a spherical shape than one which starts out round but is smashed into a disk-like shape between the rod and the powder.

The Springfield Ball design, besides its greater power and accuracy, can be made with more or less of the band, to suite your particular barrel. Some guns, patches, and loads prefer a wider band. Simply use slightly more lead than it takes to produce a round ball, and you will automatically have the extra weight transformed into a perfectly symmetrical ring. The height of the ring depends on the amount of lead used. You can control the ring or band height by cutting or casting the lead core to the weight you want. Since the actual diameter of the ball is reduced by the height of the band, your loads can achieve higher velocity with the same powder charges. You also use less lead per shot. The Springfield Ball allows for adjustment of bullet weight in a round-ball muzzle loader, with pure lead balls!



Corbin's LSWC-1-M, -S, and -H dies have bleed holes. These dies work in Corbin presses (they fit into the RAM where there is room for lead bleed holes to operate correctly). You can adjust to fine weight tolerances and band heights as you make the bullets, simply by adjusting the floating punch holder that is part of every Corbin press! Calibers up to .500 can be made in the EC-1-R (for reloading press). Calibers up to .458-diameter can be made in the type -M or type -S dies (for the Series II or the Silver Press) in LSWC-1 die styles. Calibers up to .72 caliber can be made in the type -H dies for the Mega-Mite hand press, or the Corbin Hydro-press.

Once you have used Springfield Ball, you won't settle for anything less! All you need is the EC-1-R die for loading press, or (better) LSWC-1-S die for the Corbin CSP-1 press, or (best) the LSWC-1-H die for the Corbin Mega-Mite or Hydro-Press. You can order the ball so that the band is the same diameter as a cast ball, or you can use the band as a patch (in which case the diameter of the band should be made bore diameter plus twice the groove depth). *The same die which makes the Springfield Ball can ALSO be used with a hollow base punch, to make Minie-type bullets (just add the optional HB Internal punch - very economical).*