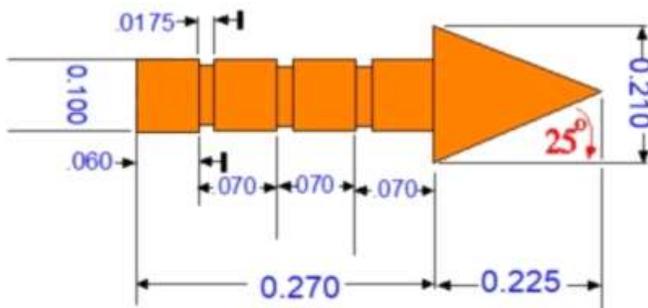


## New PIN POINT Tip Insert

Corbin's PIN POINT tip inserts make practical length 9mm to .50 pistol, airgun, muzzle loader, and large bore rifle bullets in lead or jacketed 4-S/Hybrid tangent-spire ogive design. Similar in concept to the ULD-TIP inserts for ultra low drag long range bullets using the ULD ogive shape, these shorter tips allow production of bullets with less over-all length, but with either lower weight for airguns and handguns, or higher weight without excessive length in the loaded rifle rounds. The PIN POINT design makes excellent long range .410 Shotgun slugs, as well as .45 caliber air rifle and .458 sabot muzzle loader bullets.



The same tips can be used in a wide range of large bore sizes, from 9mm to .50 caliber, with a special hybrid ogive point forming die designed for tip seating. The PF-1-ST die (for -S press) or PF-1-HT (for Mega Mite or HydroPress) comes with two ejection or internal punches. One marked T1 forms a socket or cavity exactly centered in the core to hold the insert "stem". With the proper amount of lead core, the punch forms the cavity while the end of the lead bullet or the opening in the jacket is brought to nearly the punch diameter.

Then, in a second operation, the same die is used with the second ejector punch installed. The punch does not play a part in forming the bullet. Instead, you place the pin point insert into the bullet and then gently bring the ogive to final shape, so that the insert and bullet tip blend and are snugly pressed against each other. The lead core material flows into the grooves on the insert stem, locking it in place on the precise centerline of the bullet. On ejection, the cavity in the T2 punch matches the shape of the pin point insert and pushes the finished bullet out of the die without deforming the tip.

The pin point insert is made of zinc-plated steel alloy, which does not melt or deflect (as plastic tips may do in flight or in feeding). Being more dense than plastic, it adds to the BC of the bullet in two ways, including the pin-point shape and the higher density allowing heavier weight in a shorter bullet.

The PIN POINT inserts are sold in packages of 500 and are available from stock. The PIN POINT point forming die can be added to any standard die set to add the "pin point" bullet making capability, without other changes to the existing set.