

# ALL AMERICAN P-A SEATING DIE

## INSTRUCTIONS FOR DIE ADJUSTMENT...

NOTE — ON ALL CALIBERS EXCEPT 300 H & H MAGNUM AND 375 H & H MAGNUM, THE ENTIRE CARTRIDGE CASE ENTERS THIS DIE, FLUSH TO THE SHELL HOLDER.

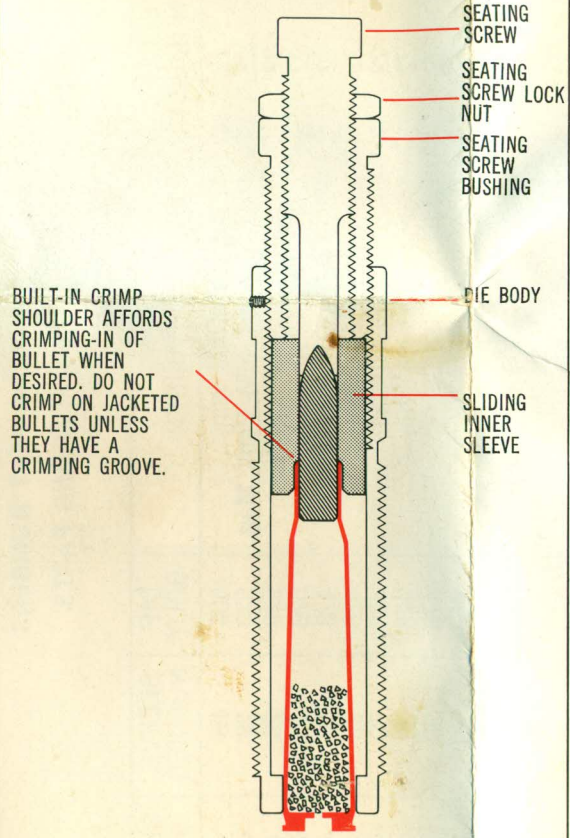


ILLUSTRATION A

LYMAN PRODUCTS FOR SHOOTERS

# Instructions For Die Adjustment

### CLEAN YOUR DIE BEFORE USING

Before using your die, it is necessary to remove the protective oil film which has been applied at the factory. This may be accomplished by washing them with a solvent, as cleaning fluid, etc., and by wiping them inside and out with a soft cloth.

### ADJUSTING THE P-A BULLET SEATING DIE

**NOTE:**

The following instructions apply to all cartridges with the exception of:  
300 H & H MAGNUM  
375 H & H MAGNUM

On both of these long magnum cases it is necessary to allow 1/2" between the top of the shell holder and the bottom of the die body. All other instructions are correct for these two cartridges and should be followed.

Illustration A shows a cutaway view of a P-A Bullet Seating Die. This die features a sliding inner sleeve which aligns the bullet and case neck. The sliding sleeve also contains a built-in crimping shoulder which may, or may not, be used depending upon the reloaders preference. The cartridge case in the illustration is shown in the non-crimp position.

The die is adjusted as follows: Loosen the set screw in the large hex lock nut located on the outside of the die. Screw this lock nut toward the knurled end of the die. This will give you room to thread the die into the press. Lower the press handle until the shell holder is at its highest point. Screw the die into the press until the bottom edge of the die makes firm contact with the shell holder. Note: 300 H & H and 375 H & H do not touch shell holder. See note at top of page. When your die bottoms firmly on the shell holder, tighten the lock nut and set screw.

The seating screw bushing, located in the top of the die body, regulates the crimp. Turn this bushing out (counter clockwise) until it is almost free of the die body. Place an empty sized cartridge case in the shell holder and pull down on the press handle until the shell holder is at its highest point. Turn in (clockwise) on the bushing until you "feel" it bottom lightly on the sliding inner sleeve. When you feel it contact the inner sleeve, back off 1/4 turn and tighten the set screw located in the side of the die body. Your cartridge is now in the non-crimp position shown in the illustration.

Your bullet must now be seated to the proper depth. Turn out the seating screw about 1/2". Place a cartridge in the shell holder and a bullet in the mouth of the case. Pull down on your press handle until your shell holder is again at its highest point and turn down the seating screw until it comes into contact with the bullet.

Alternately raise the handle and turn down the bullet seating screw a little at a time until the bullet is seated to the desired depth. Once your bullet is seated to the depth desired, tighten the seating screw lock nut. Your die is now adjusted to seat bullets without crimping.

### CRIMPING

If you wish to crimp on jacketed bullets which have crimping grooves, continue as follows: make certain your bullet is seated exactly to the crimping groove. Loosen the set screw which is holding the seating screw bushing and turn in (clock-wise) 3/4 of a turn on the bushing. Retighten your set screw and your die will be adjusted to crimp the bullet in place.

### CONVERTING YOUR P-A DIE TO OTHER CALIBERS

The unique design of your P-A Bullet Seating Die affords a high degree of interchangeability between different calibers. In some instances, the same die is used for several calibers. Where this occurs, a list of these calibers are marked on the die body. In other instances, changing the seating screw, sleeve, or die body will convert your die to another caliber.

The chart on the reverse side of this sheet, lists the various calibers for which P-A Dies are available. It shows the part numbers for the various body sizes, sleeves and seating screws which make up each die. The same die may be used for any caliber which has matching part numbers. Where numbers vary, new parts are required for the conversion. Specify the part, and part number, when ordering.

### CONVERSION PARTS:

SEATING SCREW w/CHECK NUT .....	\$1.25
INNER SLEEVE .....	1.25
DIE BODY w/CHECK NUT .....	4.00
SEATING SCREW BUSHING .....	.75
(Specify part and number when ordering)	

SEE REVERSE SIDE FOR  
CONVERSION LIST . . . .

MIDDLEFIELD, CONN. 06455