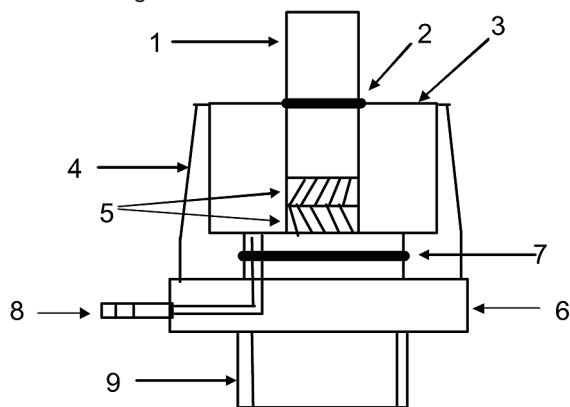




Operating Instructions for 5-45 mm Evacuatable Dies

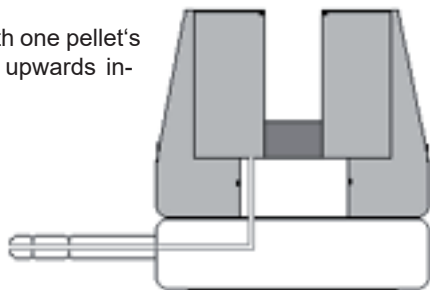
Parts supplied:

- 1 - Plunger
- 2 - Plunger Seal
- 3 - Cylinder
- 4 - Sleeve
- 5 - Pellet (2)
- 6 - Base
- 7 - Base Seal
- 8 - Evacuation Tube
- 9 - Extraction Ring



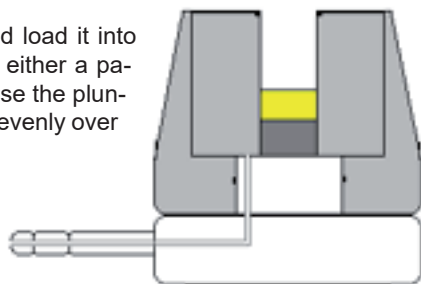
Step 1

Assemble die parts with one pellet's optical surface facing upwards inside the cylinder.



Step 2

Prepare the sample and load it into the cylinder bore using either a paper funnel or spatula. Use the plunger to tamp the sample evenly over the first pellet.

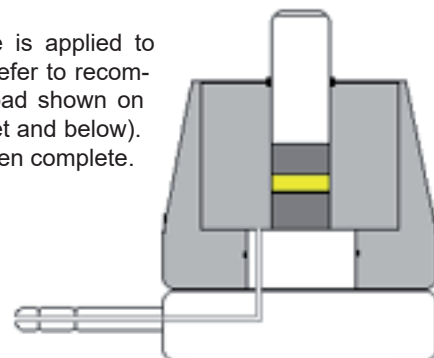


Step 3

Insert the second pellet with its optical surface facing the sample. Insert the plunger with the O-ring mounted. Place the die assembly on the lower platen of the press. Connect the vacuum tube to the die and evacuate for two or three minutes. Continue to eva-

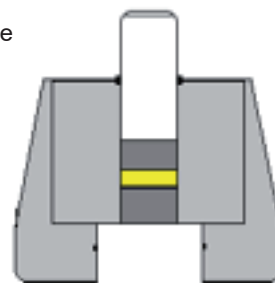
Step 3 cont.

cuate while pressure is applied to the plunger (please refer to recommended maximum load shown on the top of each die set and below). Release pressure when complete.



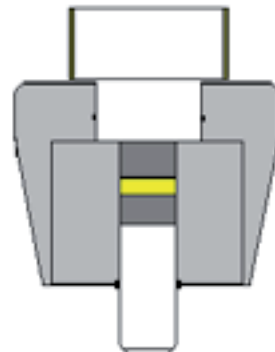
Step 4

Release the vacuum and remove the vacuum tube and the die base.



Step 5

Turn the die upside-down with the plunger resting on the lower platen of the laboratory press. Place the extractor ring between the die sleeve bottom and the upper platen of the press. Apply a light load to the extractor ring until the pellet and sample disc are free of the cylinder.



Step 6

If required, mount the sample in a disc holder.

Step 7

Clean all parts after use.

PLEASE NOTE - Die Set Type / Pmax:

5 mm / 2 tons !	20 mm / 24 tons !
6 mm / 2 tons !	25 mm / 30 tons !
8 mm / 5 tons !	32 mm / 30 tons !
10 mm / 7 tons !	35 mm / 30 tons !
13 mm / 10 tons !	40 mm / 30 tons !
16 mm / 15 tons !	45 mm / 30 tons !