

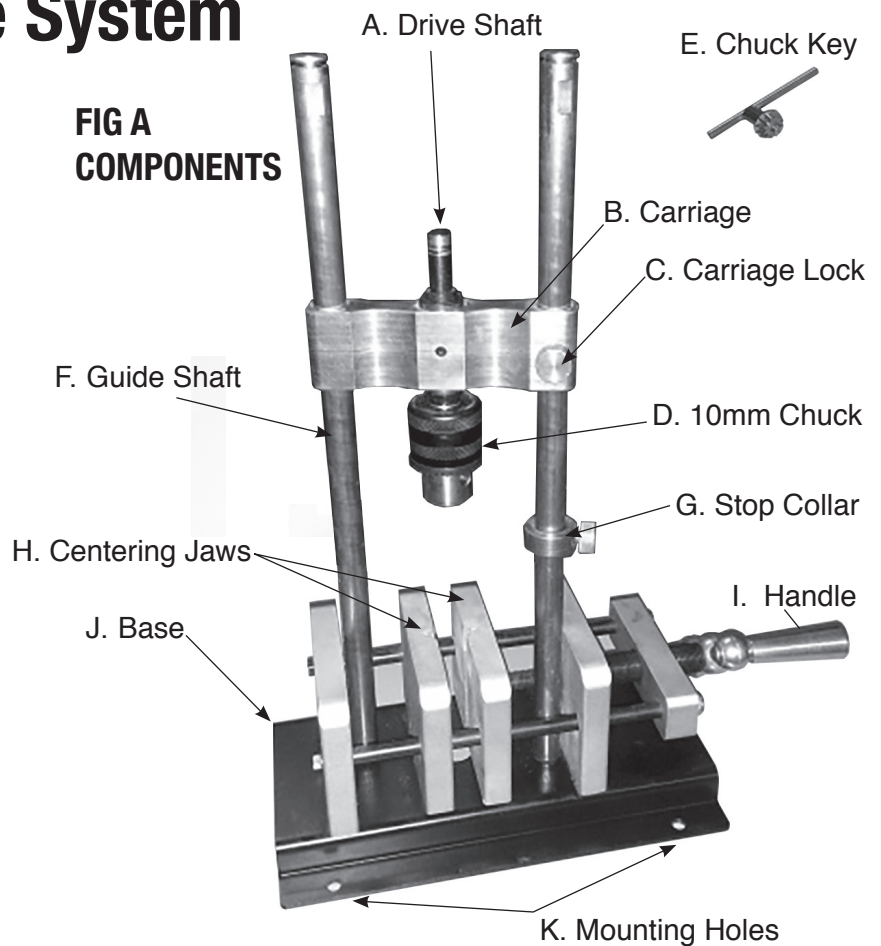
# Drill Blanks Anywhere System

## FEATURES:

- Drill blanks without a drill press
- Portable—drill blanks anywhere
- Includes centering jaws
- Works with any portable drill

## COMPONENTS:

- A. Drive Shaft
- B. Carriage
- C. Carriage Lock
- D. 10mm Chuck
- E. Chuck Key
- F. Guide Shaft
- G. Stop Collar
- H. Centering Jaws
- I. Handle
- J. Base
- K. Mounting Holes



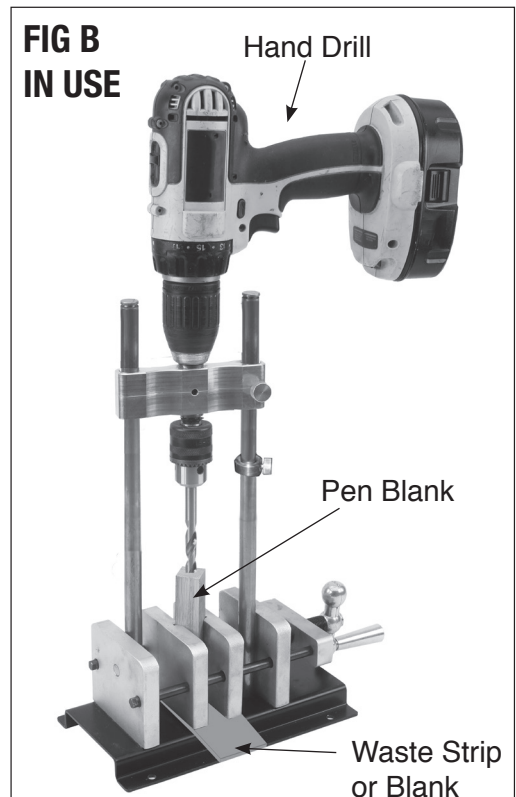
## USING THE SYSTEM:

For best performance and safety, a few items to understand for getting successful results:

- Always lock the carriage (B) when inserting or changing drill bits and when attaching drill. The carriage should only be locked at the top of the guiding shafts where flats are located specifically for this purpose.
- Never release carriage lock (C) unless you have full control of the carriage descent. Failure to follow this precaution may result in accidental movement that can cause damage or injury.
- The DRILLBA is sensitive to vibration and is not recommended for materials that can easily crack, such as polyester and laminated wood.
- Always use drill bits suited for the material and at appropriate speeds. Use a wooden waste strip under the material to help limit blowout and prevent damage to drill bits and base.

## SETUP

The DRILLBA system allows the user to use either a clamp or screws to mount it either temporarily or permanently to a sturdy surface. To permanently mount, use #10 pan head screws in the mounting holes (K).



## GENERAL USE *(refer to figures)*

### Inserting Bits and Attaching Drill

DRILLBA can accept bits up to a maximum of 10mm. Once drill bit is inserted and the drill chuck (D) jaws closed on bit, the chuck must be solidly tightened with the chuck key (E).

To attach your drill to the DRILLBA system, follow the user manual for your drill to open the jaws and attach them securely to the Drive Shaft (A) following all safety precautions.

## MOUNTING & DRILLING STOCK

#DRILLBA is capable of drilling the entire length of any stock that can fit between the centering jaws(H) and underneath the drill bit. The v-notch located along the centering jaws can firmly grip and center both square and round stock. To secure stock in the centering jaws, rotate the handle(I) clockwise. Care should be used not to over-tighten the jaws, as this can cause stock to be crushed once material is drilled through. Place a waste stock under the center jaws.

When stock is secure and the drill and bit are mounted, take control of the drill and release the carriage lock(C). Position your arm and shoulders to enable adequate downward pressure while drilling. With drill running push the carriage along the Guide Shafts(F) towards the stock. During drilling, it is recommended to frequently back out of hole to clear out waste. Extra care (such as slowing the drill speed) should be used when getting close to exiting the blank to help avoid blowout.

## USING STOP COLLAR (G)

The stop collar is used to stop the drilling operation. With the drill bit in place slide the carriage down until the desired position for stopping is reached, (usually where the drill exits the blank) then slide stop collar up against the bottom of carriage and lock into place using knurled screw. Do not over-tighten collar screws as this can leave marks on the guide shaft and interfere with carriage slide. Do not use collar to support the weight of the carriage and drill.

### General Care and Maintenance

- It is not recommended to leave drill mounted when not in use to avoid constant unnecessary weight being applied to #DRILLBA components.
- Clean guide shafts(F) with thin penetrating oil to help lubricate Carriage(B) movement and clear off debris that can impede function.
- Lubrication for drill shaft can be applied at hole in center of Carriage(B).