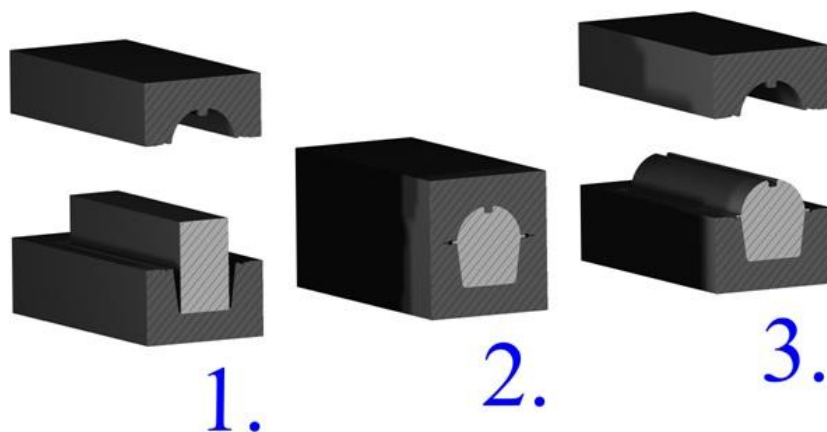




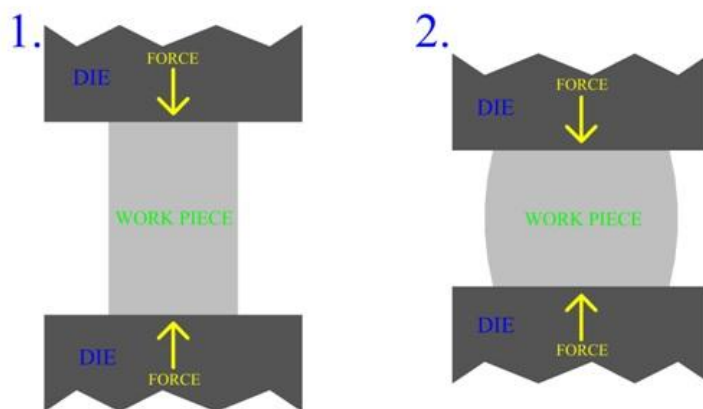
AGS-TECH Inc., Tel: 505-550-6501 and 505-565-5102, Fax: 505-814-5778,

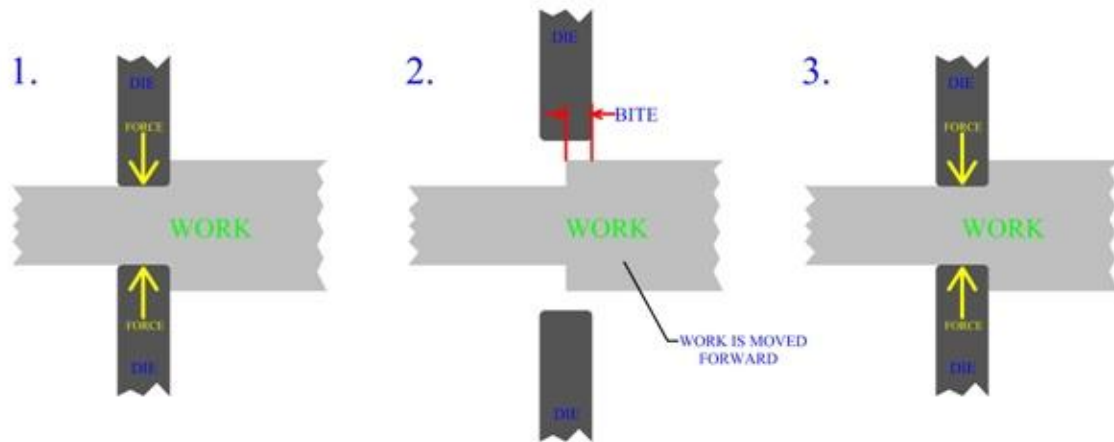
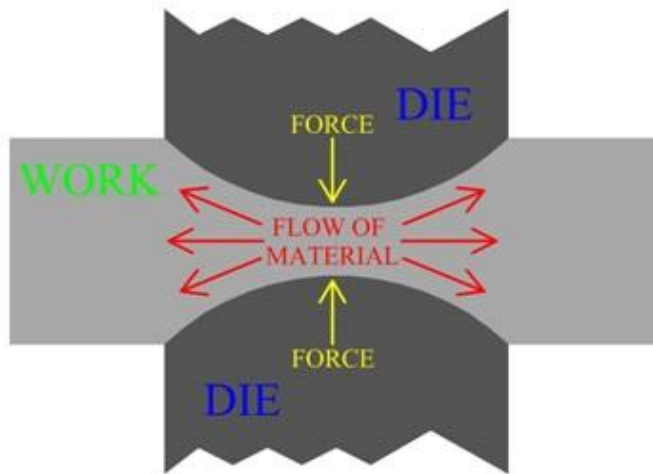
Email: [sales@agstech.net](mailto:sales@agstech.net), Web: <http://www.agstech.net>

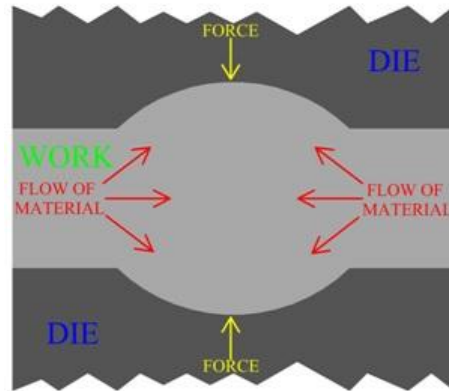
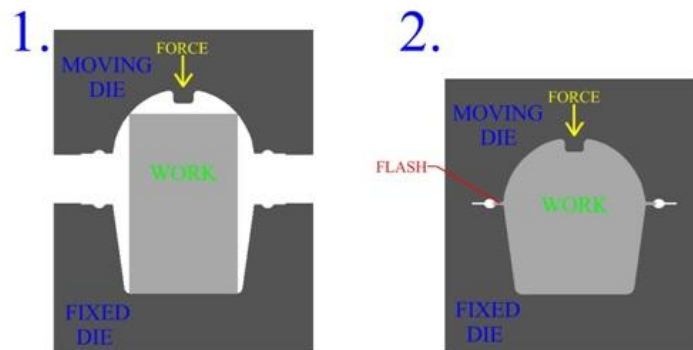
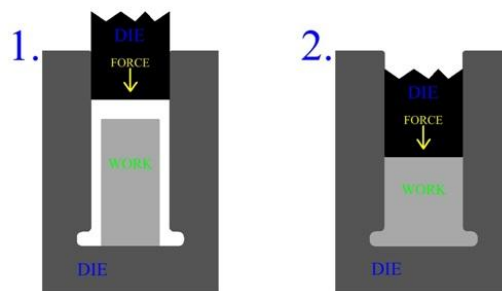
### METAL FORGING PROCESSES:



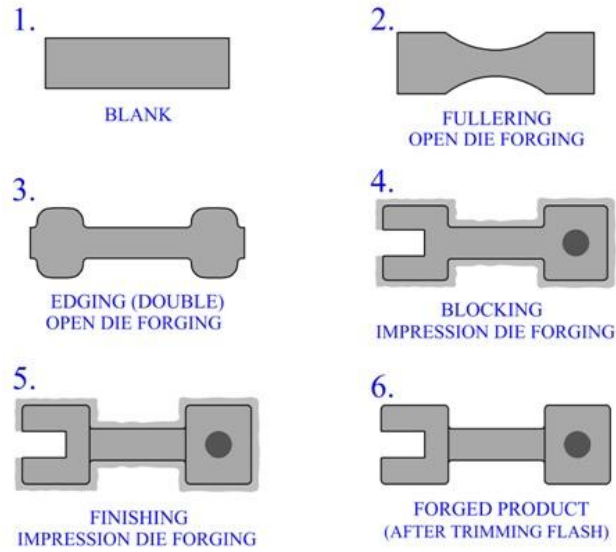
### UPSETTING UNDER REAL CONDITIONS:



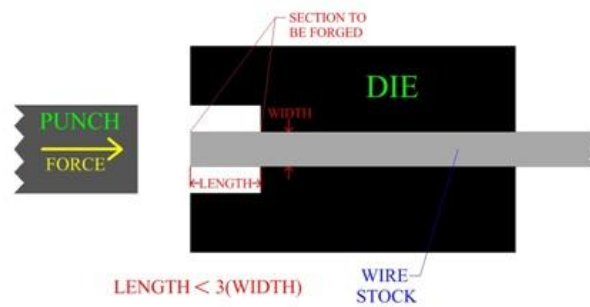
**COGGING PROCESS:****FULLERING:**

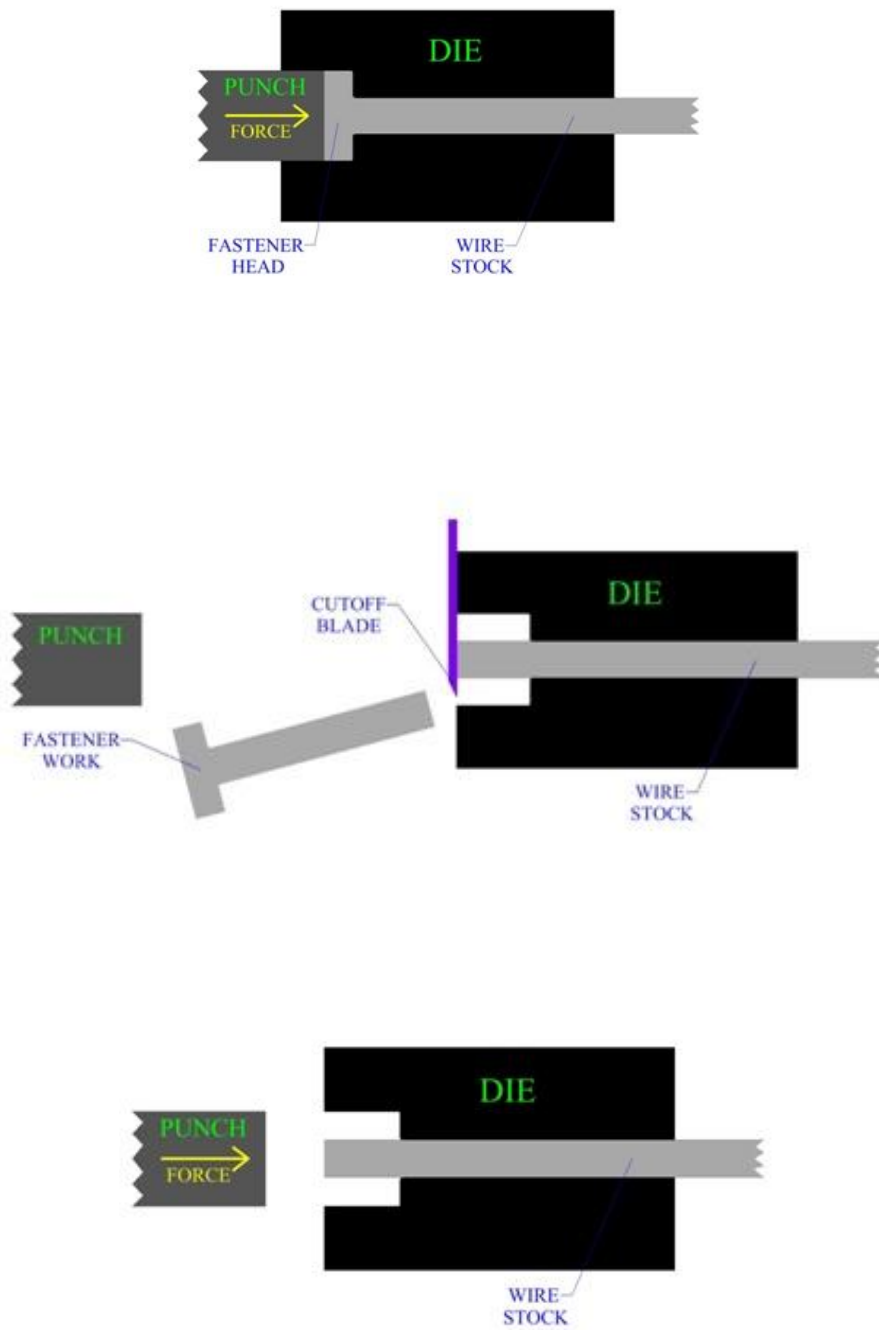
**EDGING:****IMPRESSION DIE FORGING:****FLASHLESS FORGING:**

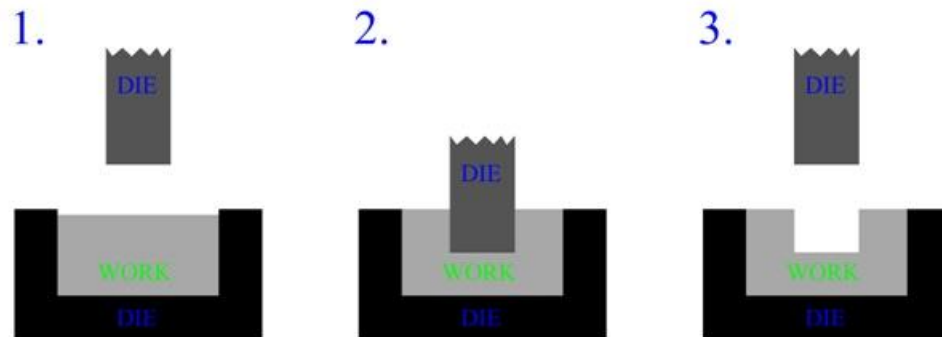
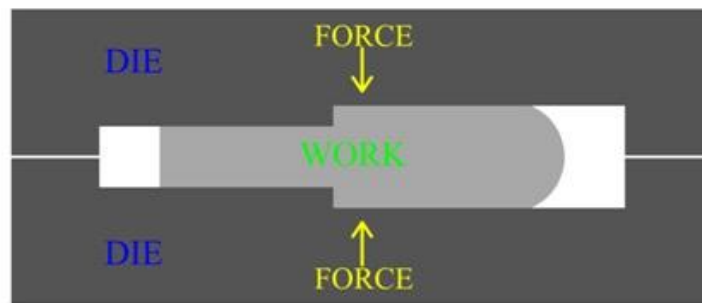
## MULTIPLE STAGE FORGING PROCESSES:



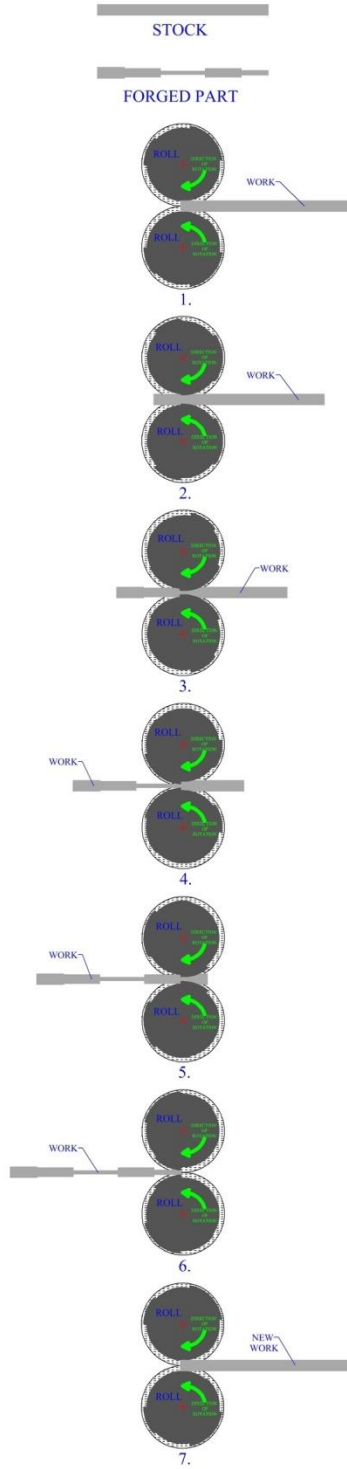
## HEADING (also called UPSET FORGING) OF A FASTENER:



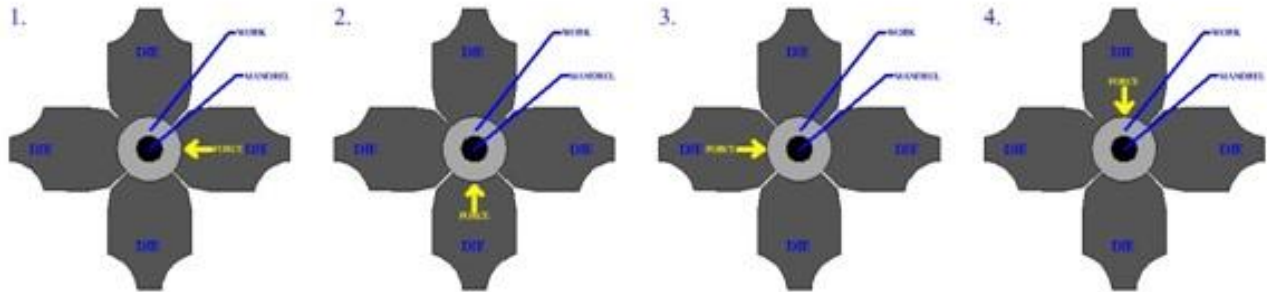


**METAL PIERCING:****SIZING OPERATION:**

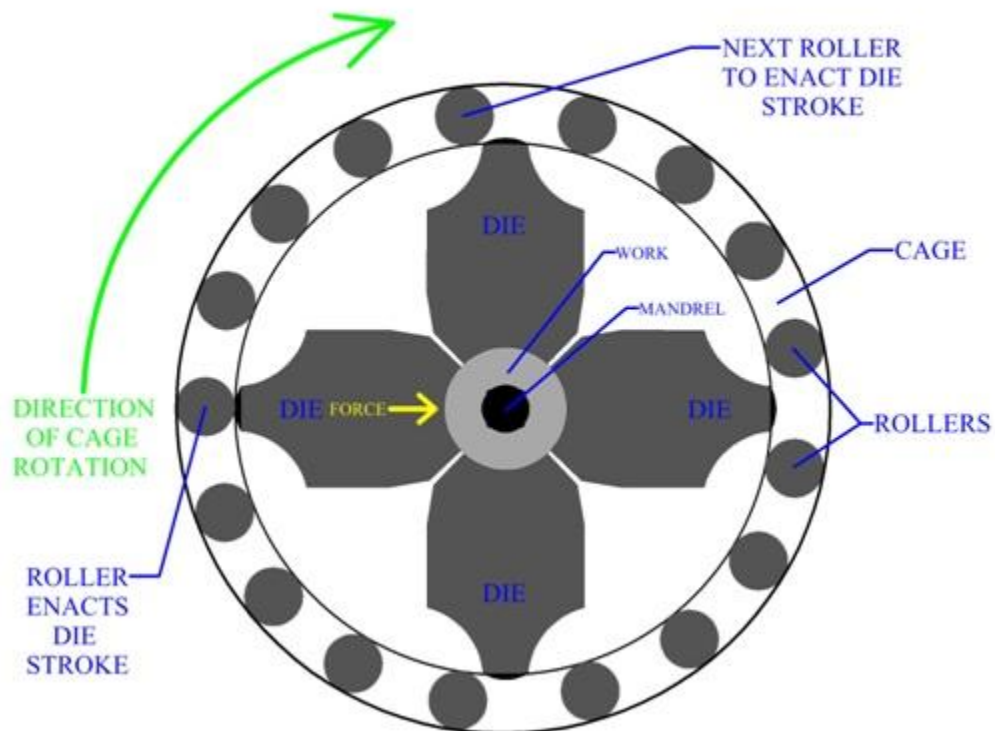
# ROLL FORGING:



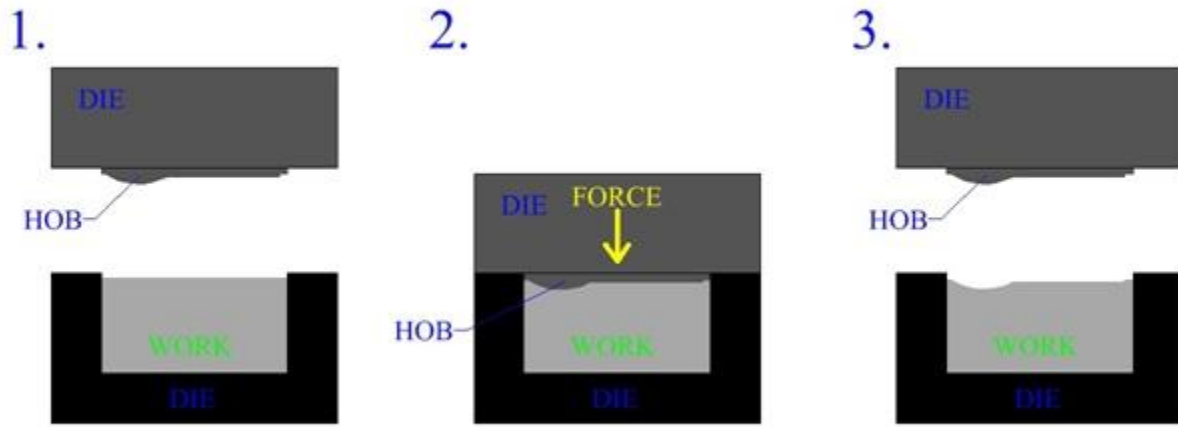
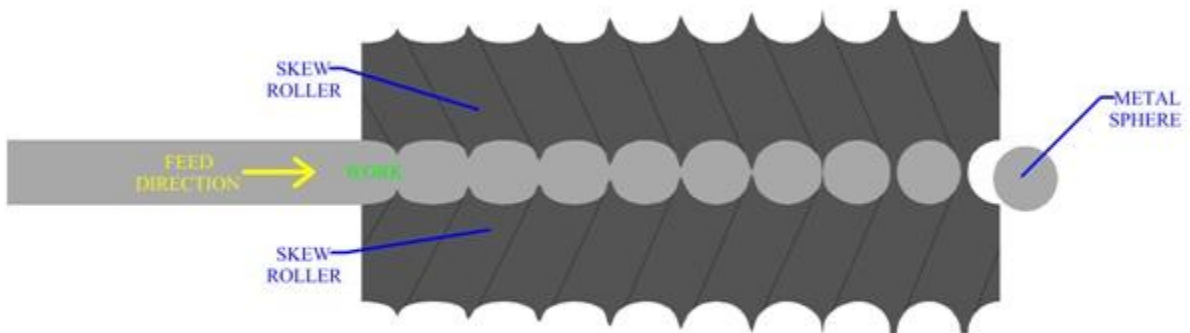
## METAL SWAGING (RADIAL FORGING):

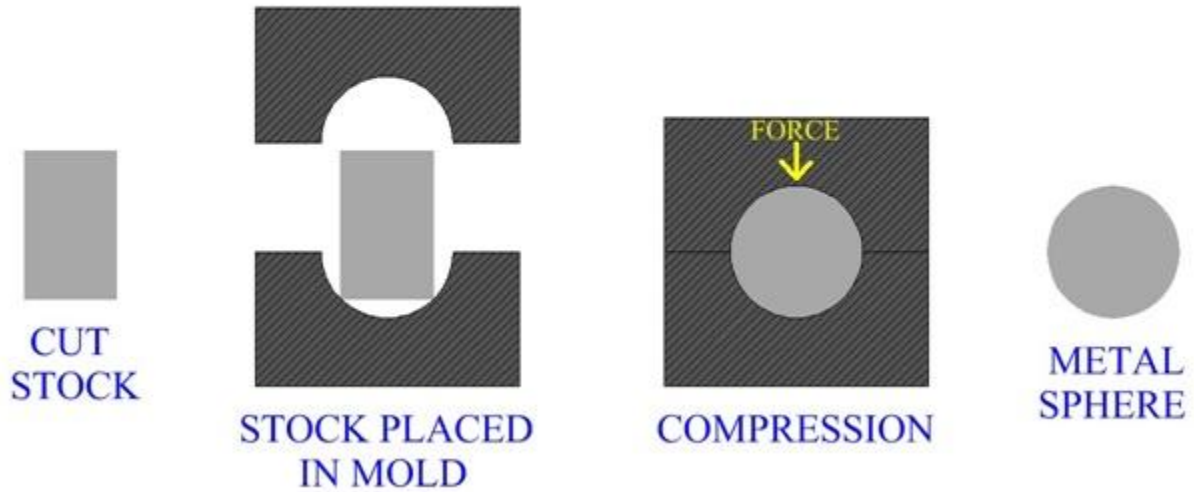
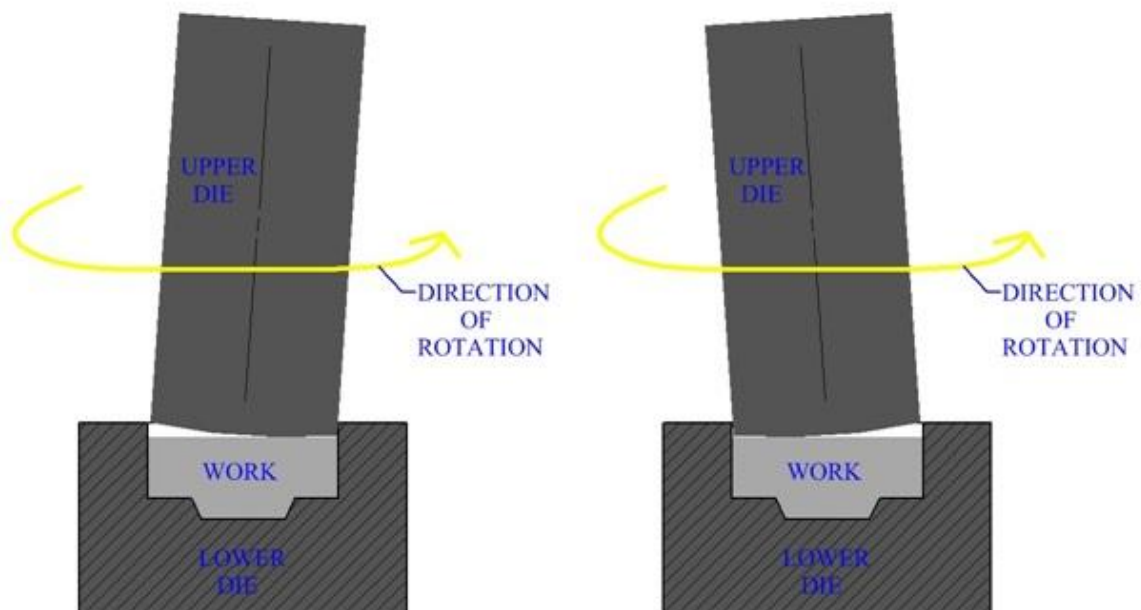


## Mechanics of Swaging:



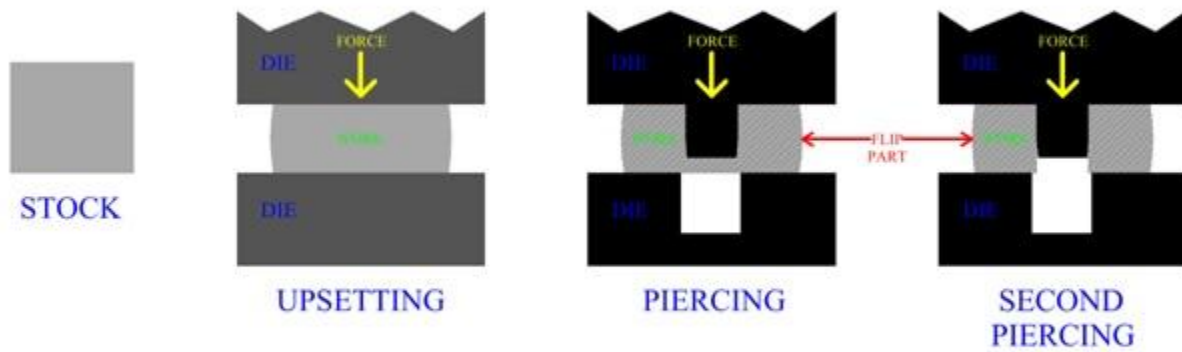


**HOBGING:****SKEW ROLLING:**

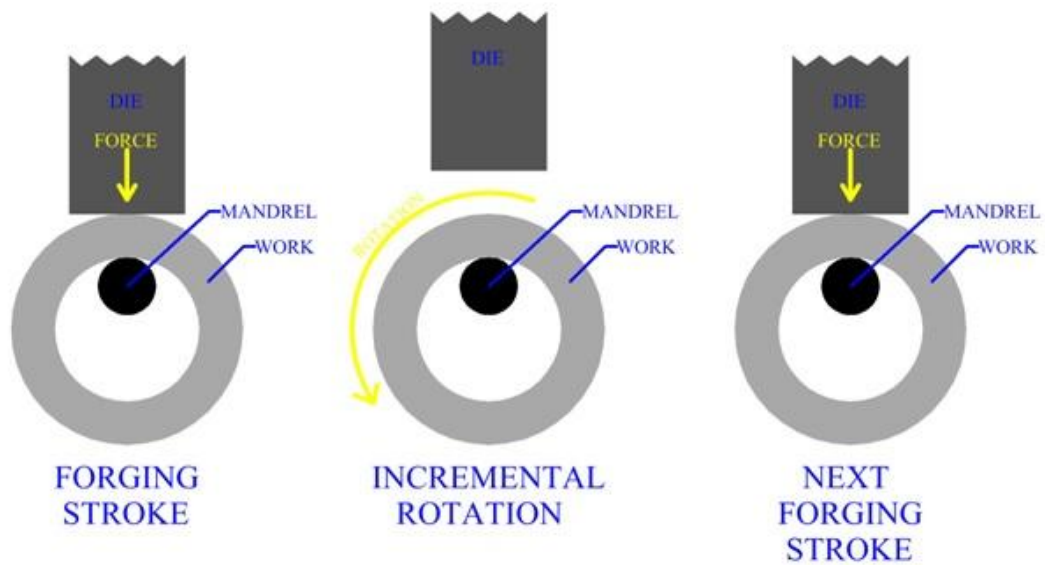
**METAL BALL FORGING:****ORBITAL FORGING:**

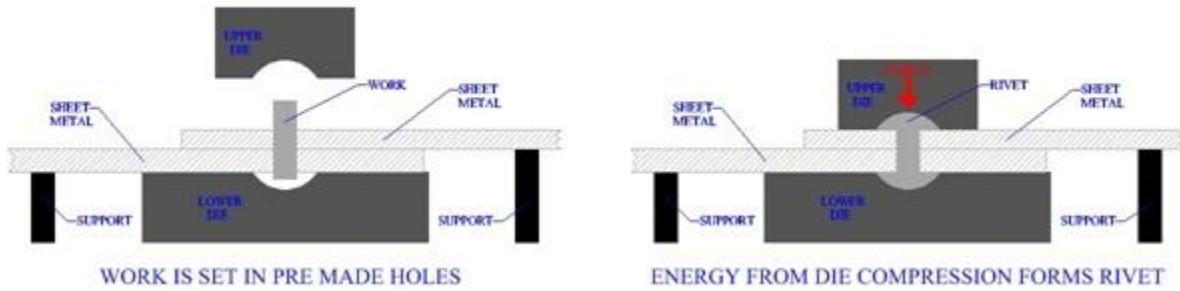
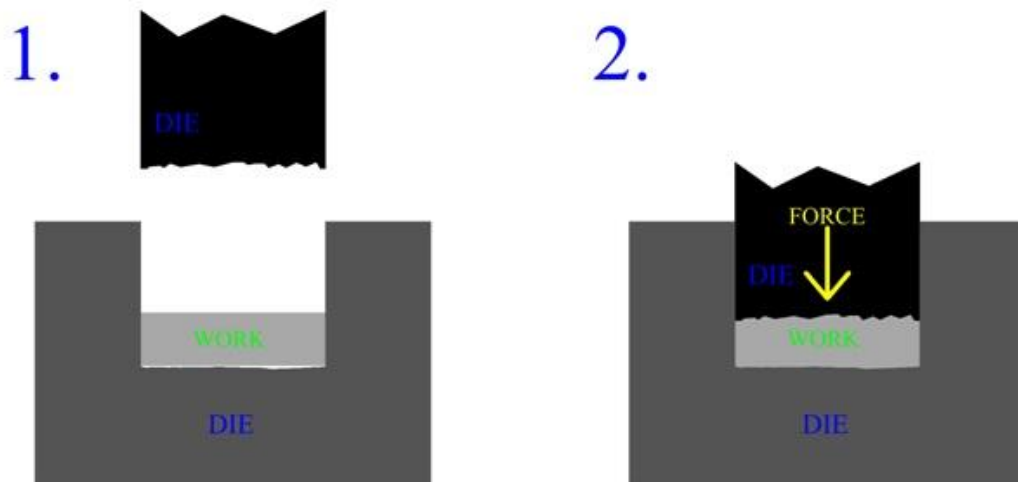
## RING FORGING OPERATION:

### Preparation

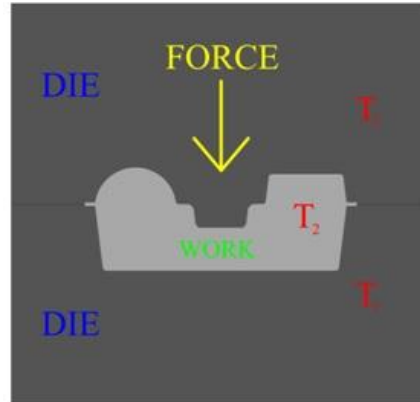


### Ring Forging



**RIVETING:****COINING:**

## ISOTHERMAL FORGING:



$T_1 = \text{Temperature of the mold}$   
 $T_2 = \text{Temperature of the work}$   
 $T_1 = T_2$

## HIGH ENERGY RATE FORGING:

