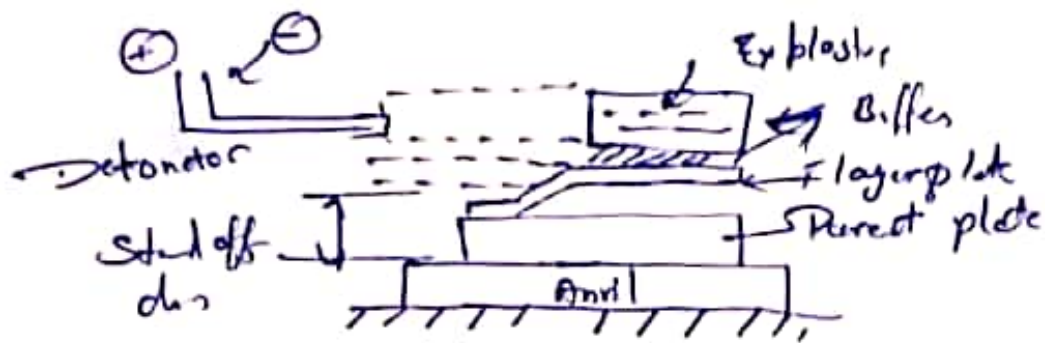


## Explosive Welding

Explosive Welding - Explosive welding is a solid state welding process wherein coalescence is produced by making one part strike over another part at a very high but subsonic velocity.

- This can be done by the use of explosive usually ammonium nitrate base.



- The flyer plate is to be jointed with the parent plate.
- Flyer plate should be at an inclination from  $1^\circ$  -  $10^\circ$  range.
- Thick plate is called as flyer plate.
- Above the buffer is a layer of explosive which is detonated from the lower edge.

There are two common arrangements used for producing explosive welds.

- ① Parallel method
- ② Inclined method.
- ③ Parallel method.

