

LAP JOINTAIM:

To make a lap joint on the given work pieces using arc welding.

APPARATUS REQUIRED:

work piece, welding electrodes, welding machine, wire brush, chipping hammer, gloves and goggles.

PROCEDURE:

- 1) The given work pieces are cleaned with wire brush to remove the rust, scale and other impurities.
- 2) Edges are prepared suitably to the given dimension and positioned one over another for the lap joint.
- 3) depending upon the thickness of the parent metal, the amperage and correct voltage is selected.
- 4) with goggles covering the eyes and gloves on hands, an arc is struck on the work piece & tasks are made at extreme ends.
- 5) welding process is progressed along the seam at a constant speed & keeping uniform distance between the electrode and the work piece.
- 6) Under working with chipping hammer the flux in the form of slag is chipped off and then cleaned.
- 7) After welding, the work pieces should be handled only using the tongs.

RESULT:

Thus the required lap joint is obtained as per the given dimensions.

