

BUTT JOINTAIM:

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

APPARATUS REQUIRED:

work piece, welding electrodes, welding machine, Tongs, 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 dimensions and positioned for butt 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 and tacks are made at the extreme ends.
- 5) welding process is progressed along the seam at a constant speed and keeping uniform distance between the electrodes & work piece.
- 6) using chipping hammer the flux in the form of slag is chipped off & then cleaned.
- 7) After welding, the workpieces should be handled only using tongs.

RESULT:

thus the required butt joint is obtained as per the given dimensions.

