

T-JOINTAIM:

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

APPARATUS REQUIRED:

Work pieces, 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 dimension and positioned at right angles for the tee-joint.
- 3) Depending upon 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 and tacks are made at the extreme ends on the work piece.
- 5) Welding process is progressed along the seam at a constant speed and keeping uniform distance between electrode and work piece.
- 6) Using chipping hammer the flux in the form of the slag is chipped off and then cleaned.
- 7) After welding, the work pieces should be handled only using tongs.

RESULT:

Thus the required T-joint is obtained as per the given dimensions.

