Workshop.

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section: M

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# Adifi maharjan (208TRC0067)

AIM: To make Me Plate Into required mode L by T-fitting.

## Tools required

Bench vice a) Steel rule 3) Try square

4) Ball peen hammer 5) Scriber

6) Hack saw with blade 7) Surface plate

8) Dot punch and centre punch

8) venire hight gauge.

10) Rough and smooth flat files

11) Flat chisel and thangolar file

Material Regulred
Mild Steel(NIS) plate of size 48 x34-2 Nos

### Sequence of Operations:

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2) checking flatness and equareness

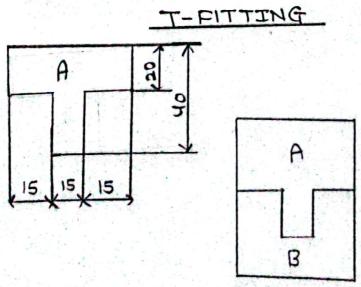
3) marking and measuring

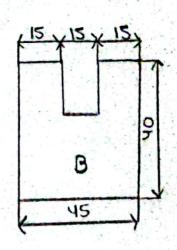
4) Punching

s) sawlng

6) Chipping

7) Fingshing.





All DIMENTIONS ARE IN MM.

#### PROCEDURE

1) The burns in the pieces are removed and the dimensions are checked with a steel rule.

a) The pieces are clamped one after the other and the outer mating edges are filled by

using rough and smooth files.

3) The flatness straightness and equareness The right angle between adjacent sides are checked with help of Try-square.

4) Chalks is then applied on the surface of

the two pieces.

5) The grown dimension of the T-fitting are maked with help of vernier height gause carefully.

6) Using the dot punch idots are punched along the above scribed lines.

a) using the nack saw, the unwanted portions are removed.

Blusing the plat chisel, the unwanted matevial in the piece Y Ps removed.

9) The cut edges eire fled by the half round file.

10) The corners of the stepped surfaces are thed by using a square or thangolar fle to get the sharp corners.

11) The preces (x and Y) are fitted together and the mating is checked for the correctness of the fit.

#### Aditi Maharjan (20BTRC0067) V-FITTING AIM: Tomake Mis plate Porto required moder by v-titting. Tools required: 1) Bench vice o) steel role 3) Try square 4) Bell peen hammer 5) Scriber

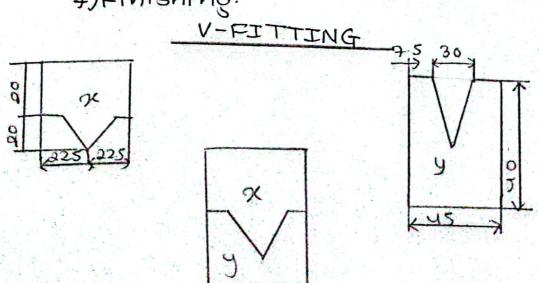
3) Dot punch and centre punch 9) Vengre hight gauge. 10) Rough and smooth first files. 11) Flat chosel and thongolar foles. material required.

Mild steel (MS) plate of size 48×34-2 NOS

#### Sequence of operations. 1) FPIPNÓ

3) sontace blate

- 2) Checking flatness and squareness
- 3) marking and measoning
- 4) Punching.
- 5) Sawing
- 6) Chipping
- 7) Finishing.



6) Hack saw with

blade.

## PROCEDURE

- 1) The borrs in the pieces are removed and the dimensions are checked with a steel rule.
- 2) The pieces are damped one after another and the outer mating edges are filled by using rough and smooth files.

Pre flatness, strallghtness and equareness of the hight angle between adjacent sides are checked with help of try agoare.

4) chalks 96 then applied on the surface

of the two pieces.

- The gruen dimension of the V-fitting are marked with help of vernier height gause caretolly.
- 6) Using the dot punch, dots are punched along the above scribed ines.
- 9) using the nack saw, the unwanted portions are removed.
- 8) using the flat chisel, the unwanted malterial in the piece Y is removed
- 9) The cot edges are flied by the hat
- 10) The corners of the stepped surface are filed by using a square or thingular file to get the sharp corners.
- 11) The piece (x and r) are fitted together and the mating to checked for the correctness of the fit.