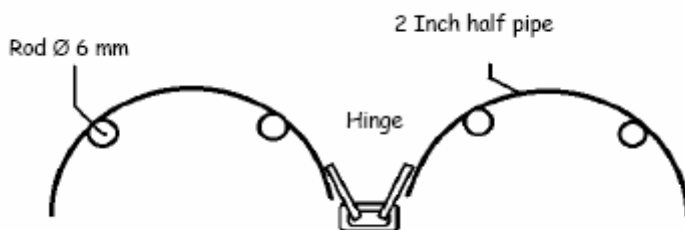


The clamp is discussed below.

The other parts are is easy to make using drawing 2.

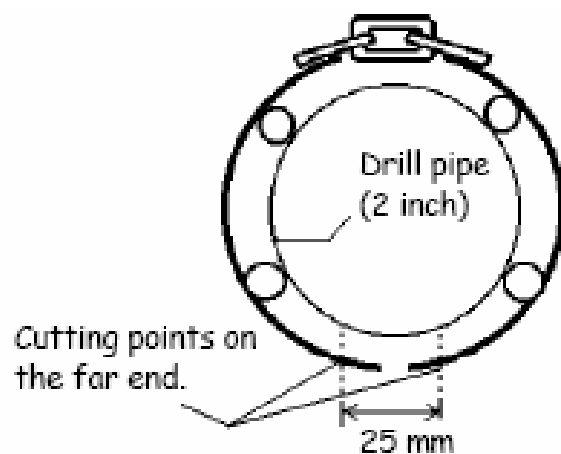
- Saw the 60mm 2" pipe into two, creating two half pipes. These parts are connected with a three links of a chain which functions as a hinge. The outside links of the chain are welded onto the two pipe parts while the middle link is free to move.
- Weld the 4 6mm rods lengthwise in the half pipes. These will increase the grip preventing the arm from slipping when turned.

The clamp



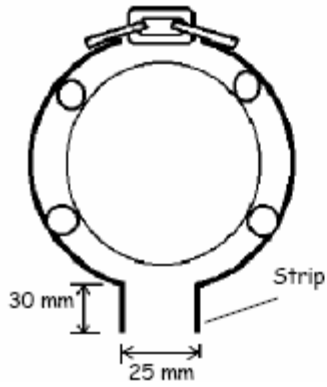
Clamp in open position

- This clamp is now fitted round a 2" drilling pipe. Ensure that, by shortening the pipe's far end, the two far ends have a distance of 25 mm.
- Drill two holes into the centre of the iron strips. (diameter 12mm)
- Once again, fit the clamp onto the 2" drill pipe and weld the strips, parallel to each other, on to the far end.



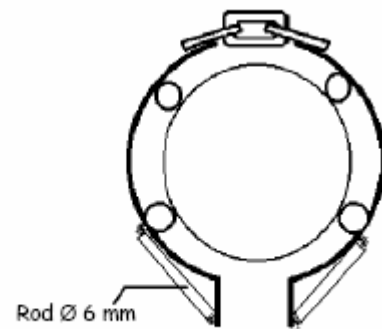
Clamp in closed position

NB. The holes should be drilled opposite each other so that the bolt can be fitted more easily. Attach the four far ends of the strips to the pipe by using 6 mm round bar. This prevents warping whilst the bolt is being turned

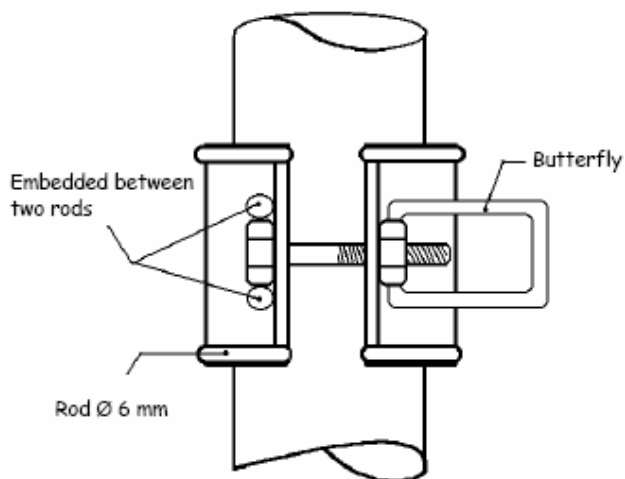


- Once again, fit the clamp onto the 2" drilling pipe and weld the strips, parallel to each other, on to the far end.

NB. The holes should be drilled opposite each other so that the bolt can be fitted more easily. Attach the four far ends of the strips to the pipe by using 6 mm rods. This prevents warping from occurring whilst the bolt is being turned



- Now weld the various components as shown in drawing 2..



Tip: To prevent the bolt from turning, it is embedded between two welded rods (6mm diameter). At the same time the nut is provided with so called butterfly. All of this makes it easier to turn the nut.