

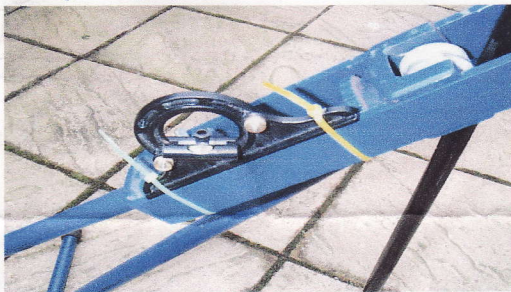
### **Perfect 90 bends**

Using the adjustable protractor

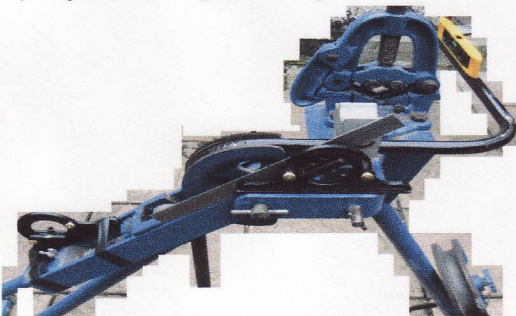


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**Attach the adjustable protractor**  
using the tyrap

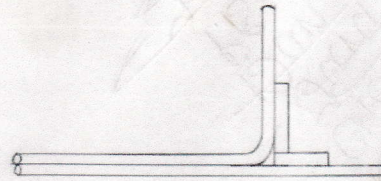


**Rest the bending handle onto the** the conduit in the bending machine , set the bubble on the protractor so that its level,once its level,turn the protractor bubble 90 degrees and bend the conduit until the bubble lines up in the site glass level.the conduit will be a perfect 90 degree bend,,, however, what you will find when you release the pressure on the bending machine handle the conduit will tend spring back slightly,,,you will need to allow for this by bending the tube slightly more that the 90 degrees and watching spring back using the site glass bubble

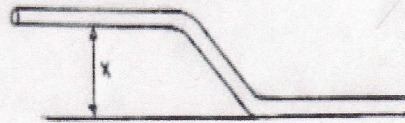


### **Check if its 90 degrees**

using a set square,door frame  
window frame or work bench



perfect sets



### **Using the adjustable protractor**

you will have already learned how to do perfect sets from previous pages

now we will take it a stage further set the protractor at 10 degrees.

bend the tube until the bubble appears in the centre of the sight glass.take the tube out of the bending machine, marking it for example a 30mm set. Place it back in the bend machine as described earlier and bend the tube until the bubble appears in the centre of the site glass.

it will be perfectly parallel and 30mm



**FINAL NOTE** :this page will give you the knowledge to have an easy life while bending conduit ,, using the tools shown ,on the left ,note the cheap B&Q magnetic yellow level ,also try using the adjustable set square and ruler lining up the handle to also give you a perfect set or 90 degree bend ,,,its simple you know you are going to move the handle through 90 degrees to bend your conduit therefore measure it ,using the tools shown