



BRACER DESIGN

The purpose of this information sheet is to provide specific guidance targeted at areas within the fabrication process that will lead to improvements in the finished product. It is our aim to educate and provide awareness that will save our customers money from correcting potential design flaws.

A common problem regularly encountered is insufficient or in correct hole position in bracer tubes. Tubular bracers require sufficient holes to allow the molten zinc to readily flow in and out. Drain holes in the centre of a bracer's end plate will leave trapped zinc that will lead to unsightly runs. To over come this problem additional holes have to be drilled in the tube. **Unfortunately the drilling of any additional holes is charged extra and may delay the turnaround on your order.**









Poor hole position and size

Poor centre holes

The optimum solution is to have open ends on the bracer. This will ensure that the best quality finish is achieved.





So remember the following :

- End plates with centred holes will require additional holes.
- As the volume of the bracer increases then so does the size and/or quantity of holes required!!
- Optimum end plate design will lead to the best quality.

Should you wish any further information please do not hesitate to contact one of our experts on Elgin — 01343 548855 or Cumbernauld — 01236 731444 or alternatively email any enquiries direct to our technical team at **design@higalv.co.uk**



www.higalv.co.uk