

CLEARANCE

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.



No Clearance



One of the most common problems encountered is insufficient clearance between bracket and drop bolt. As can be seen in the photo the zinc has sealed the gap between pin and plate preventing the pin from moving freely. If the gate is then to be powder coated there will be no chance of the drop bolt being free enough to function.



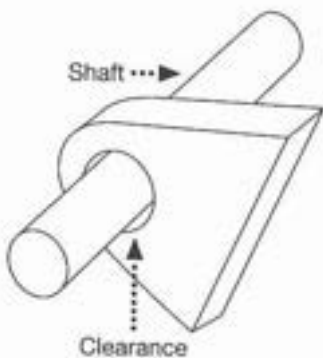
Good Clearance



Tips for ensuring suitable clearance between pin and bracket

Ask yourself, can you see a gap between the bracket housing and drop bolt?

No? - The solution is a simple one. Leave around a 2mm to 3mm gap between bracket and bolt. Measure this evenly around the drop bolt. This allows for the zinc coating to be applied and for the drop bolt to move freely. What to look for is a rattle fit.



**2mm to 3mm
Clearance**

**So remember shake,
rattle and the pin will
roll!!**

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