



High Speed Gate Automation Cantilever Bracket System for gates up to 500 kg.

This system has been designed with cost and simplicity in mind. These cantilever clamps are suited for 104 mm nominal bore galvanised pipe which in it self is strong and cheaper than square although we will offer clamps for 100mm square RHS. It is advised to brace the posts together for extra support and strength and also means the posts are parallel with each other. The distance apart for the cantilever support posts is to be at least 35% of the total opening e.g. a 4m opening will require a 1.4m distance apart for the posts, and a total gate length of 5.5m or slightly longer if possible.

With these brackets you get to choose your own wheels and optional floor track. Instead of floor track attaching an angle top and bottom can save you even more. We recommend using wheels which have a load rating of not less than 300kg and use a 14mm high tensile bolt as the shaft. Make sure when you set up the gate you allow an extra 2-3mm clearance for the wheels this allows room for when the load shifts from opposing wheels when the gate opens and closes. The posts should be in a suitable concrete foundation to be able to support the weight of the gate e.g. 1m deep and 0.5m wide, if not one big block which you can use to mount any automation on to.

