



Taking a Panel 'Around the Bend'

We use Panel Brackets (also known as Shrouds) for attaching our Aluminium Fence Panels to posts and walls. These brackets are ideal for their purpose. They are light, strong, neat, non-corrosive and easy to fit. They allow for some adjustment if your panel is a bit shorter than the gap between the posts. They also allow for some side-ways adjustment if your fence is not in a straight line – approx 15 degrees (7.5 degrees each way).

So what do you do if your fence goes round a corner sharper than 7.5 degrees? Firstly, if it is up to 15 degrees, you can install your post 7.5 degrees off centre. This way you can get half of the angle out of each bracket set. For angles sharper than 15 degrees, you have a couple of choices:

1. Angle Brackets: There are "L" shaped brackets approx 35 x 35 x 15mm with 2 holes. They can be used instead of Panel Brackets, with 1 leg screwed under the rail of the panel and 1 leg screwed to the post. For a neater finish you can trim the end of the rail to the angle required, which allows the panel to sit closer to the post. Disadvantages over Panel Brackets are they are not as strong (they are only held by 1 screw to the panel and 1 screw to the post) and they don't look as good (the end of the rail is exposed).
2. Adjustable Rail Brackets: These include a metal plate which screws to the post. Inserted under the plate is a plastic swivel fitting which inserts inside the post. Because of the swivel, you can adjust it to the required angle. Disadvantages over Panel Brackets are they are not as strong (plastic), they don't look as good (the rail is out away from the post leaving a gap) and they are expensive (approx \$14.00 per bracket, which can add up to approx \$56.00 per panel).
3. Standard Panel Brackets which can be modified on-site to suit. With a little bit of effort, you can modify our standard panel brackets to allow you to install the panel on up to a 45 degree angle. For angles sharper than 45 degrees, simply fit them on the adjacent side of the post. If done correctly, this will give you a strong fence with a neat finish, at a minimum cost. As the brackets are made from aluminium, they will not rust where they are cut and as the panel are mounted towards the cut side of the bracket, the cut will be hard to notice and the panel should be held firmly in place.

To adjust standard Panel Brackets for going around the bend, you will need the following:

- Panel Brackets
- Pencil/Marker
- 4 inch angle grinder with a metal cut-off disc OR a drill & hack saw
- Pair of pliers or multi grips
- Touch up paint if desired

Steps to modify a Panel Bracket

1. Determine the angle required and mark the angle on the end of the fence rails (figure 1)



Figure 1



Figure 2

2. You will need to cut 2 brackets per corner (1 for the top rail and 1 for the bottom rail). Determine the side of the Panel Bracket that needs to be cut (if you are fitting your bottom Panel Bracket with the screw above then you will need to cut the left side from one Bracket and the right side from the other Bracket)
3. Mark the Bracket (Figure 1) and cut 2 slots towards the back of the bracket, without cutting all the way through (Figure 2). Score a line across near the back of the bracket with the angle grinder, or drill a few small holes on the line with the drill (Figure 2)
4. Using the pliers, bend the cut section back and forward until it snaps out (Figure 3)



Figure 3



Figure 4

5. Cut the end of the rail to the correct angle required using you angle grinder or hack saw.
6. Then cut the point of the rail at approx 90 degrees to the first cut, so that the rail can fit right inside the bracket when it is screwed to the post (Figure 4 & 5)



Figure 5

7. Repeat the process for the other panel brackets, remember to cut the opposite side if necessary
8. Fix the panel to the post as per normal
9. If needed, use extra Tek Screws to screw through the panel bracket and into the rail to prevent it from coming loose (you should have spare screws as we supply 10 screws with every 4 brackets)
10. Touch up the brackets and screws with touch up paint desired