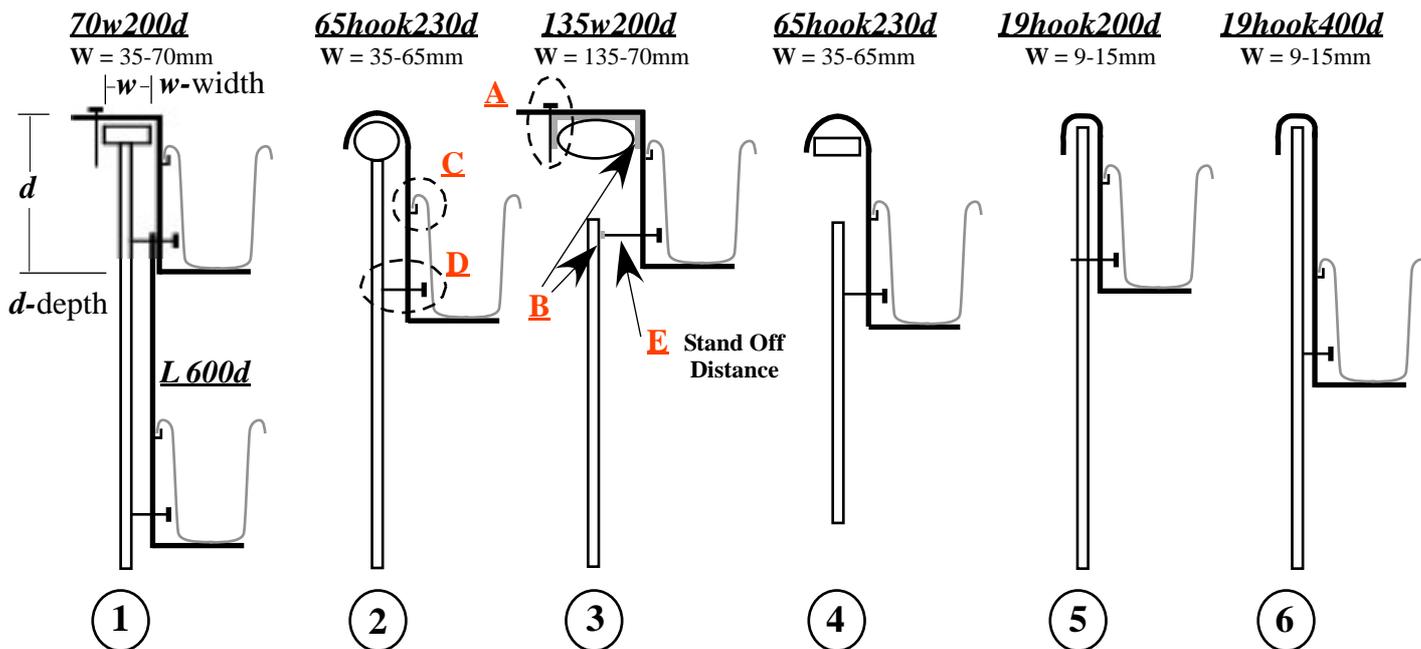


Stainless Steel Brackets for Railings

(Page.1 - Glass & Steel, Page.2 - Brick)

Glass:-



A- adjustable width mechanism; **B-** PVC padding to protect paintwork and glass; **C-** adjustable planter box restraining mechanism; **D-** horizontal level adjustment mechanism; **E-** Stand Off distance.

In figures 1 and 2 we see the glass coming up to meet the metal hand railing, Fig. 1 has a short bracket which is suspending a longer L-shaped bracket, most railings are a minimum of 1 m high so this combination gives you a comfortable two levels of growing area, off the ground, making your balcony easy to clean. Fig. 2 has used the 65hook230d which will fit railing brackets up to 65mm diameter this includes the protective padding.

In figures 3 we see that there is a gap between the glass and oval shaped metal hand railing, if the width of the hand railing is greater than 65mm you will need to use the wider 135w200d bracket as this will work with curved railings just as well as the hook brackets. The advantage of using the hook bracket is that there is no overhang and no width adjustment necessary.

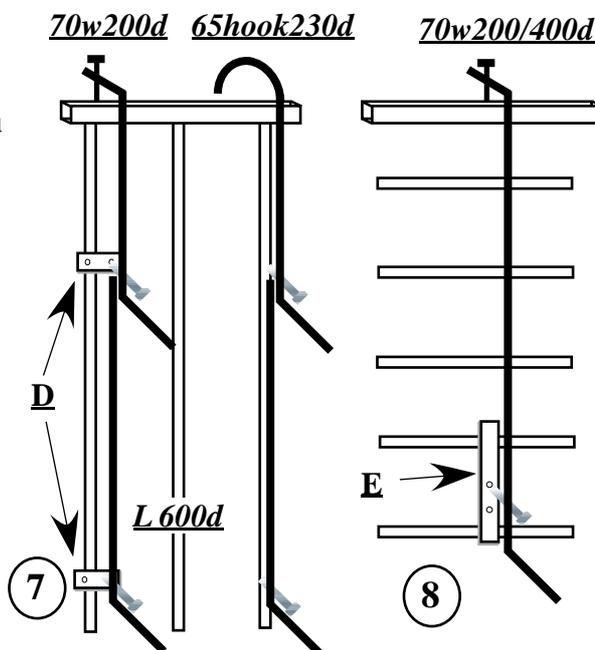
In figures 4 we see the 65hook230d being used which will fit railing brackets up to 65mm diameter this includes the protective padding. This curved or hook bracket will also fit quite comfortably on a rectangular or curved railing measuring between 30mm and 60mm.

In figures 5 and 6 we have stand-alone glass panels you can use the 70w200/400d, but a more aesthetic solution is to use the 19hook200/400d brackets. When hanging directly on glass you must make sure that the glass is securely fixed ie some glass panels are just held in place by pressure pads this will obviously slip down over time especially if weight is applied to them, the hook brackets have been designed for 10mm thick glass.

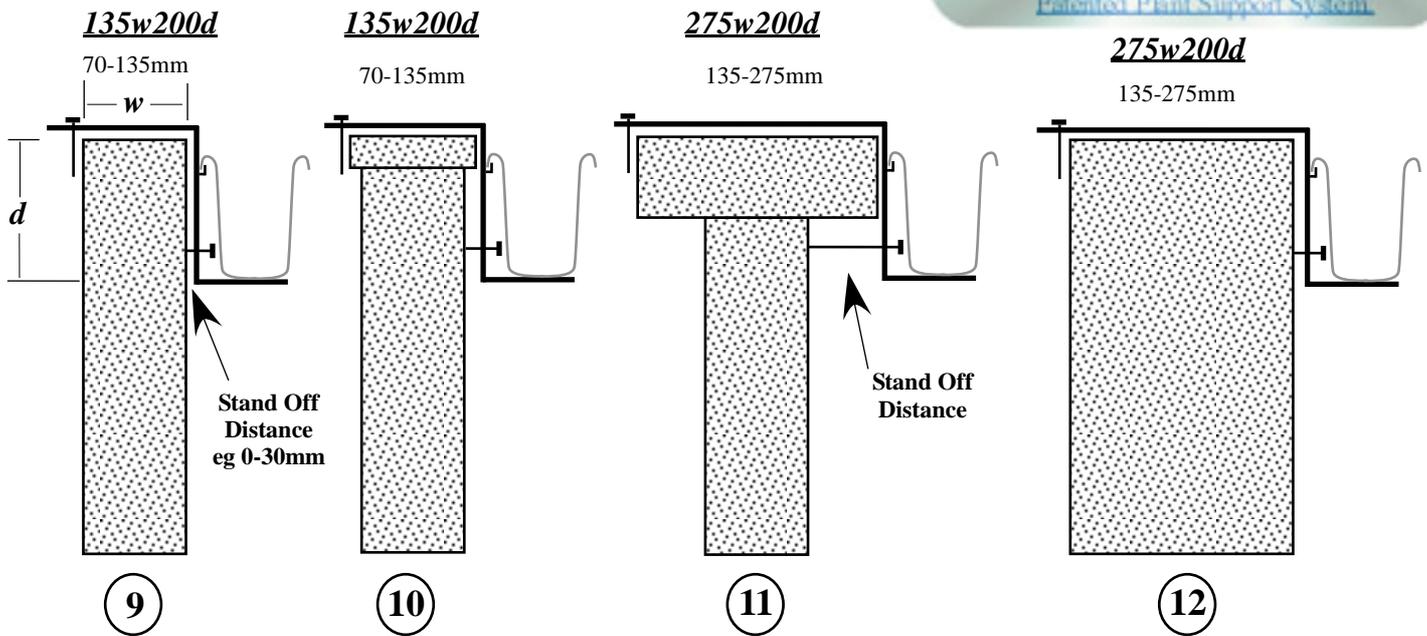
Steel Bars:-

In figures 7 we see a steel railing with vertical bars, if you are not going to mount a shelf and your bars are not circular, then you will be able to line up your brackets with the bars so your level adjustment bolt will operate otherwise you will need the optional padded short bar **D** or longer bar **E**. A short bracket is suspending a longer L-shaped bracket, most railings are a minimum of 1 m high so this combination gives you a comfortable two levels of growing area, lifting your flower pots or planter boxes conveniently off the ground.

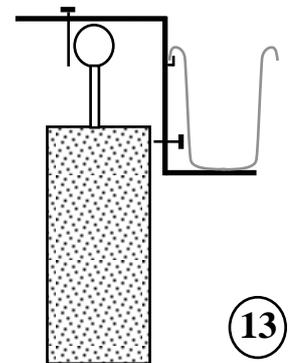
In figures 8 we see horizontal bars using the optional padded bar **E** allows the horizontal level adjusting mechanism to span the gaps between the bars.



Brick:-



In figures 9 and 10 we see the most common single brick balcony railing sometimes there is a small capping stone **10** as long as the width of your brick and capping stone is less than 135 mm then the **135w200d** bracket will bring your planter box or pots(if you opt to use a shelf) just below the top edge of your brick wall. Figure **11** is a single brick railing with single bricks placed sideways on top, as the capping component, this along with the double brick wall figure **12**, is catered for by the **275w200d** bracket as long as its width is less than 275 mm. Figure **13** is a type of brick railing wall that has a metal top, it is best to treat them as in figures **9 - 12** however the configuration shown in **13** is also possible.



Optional extras:-

Stainless-Steel Shelf, in all the previous examples we have shown planter boxes being used however the most obvious extra is the shelf, this is designed to fit up to three 170 mm diameter pots, as seen in the photos, and simply slots into two brackets. The shelf is also designed to be part of our 2/3 shelf stand or it can be used standalone on a window ledge allowing for easy cleaning underneath without interfering with your pot plants.

Pot Restraining Arm, if you are using the shelf and flower pots you may wish to add the additional security of a stainless steel arm that encloses your pots protecting them from being dislodged from the shelf.

Planter Box Over the Lip Restraining Mechanism, the brackets already come with an adjustable under the lip planter box restraining mechanism this comes with each bracket and is pre-adjusted for the planter boxes that we supply however if you would like to use a different box then it can be adjusted both horizontally and vertically. If you require further security for your planter box i.e. you are hanging it outside the railing then this extra locking device is available.

Trellis option, if you would like to grow climbing plants for their fruit or flowers or to create a privacy screen then the trellis attachment can be added it simply bolts onto any of the SS brackets. There is also an extension option allowing for a taller trellis.

Cover option, 2 sizes of netting cover are available allowing you to place bird/possum protection over your plants. Attaches to our SS brackets, so can be used with either pots or planter boxes.

Plant Restraining option, available soon, plants can sometimes grow out into unwanted places eg on a balcony it may be okay for the Basil bush to bush outwards but not inwards where living space is at a premium, the Plant Restraining option allows you to place a series of 3 loops around your plants up to a height of 600mm, they can be full or half loops depending on your requirements.

Spanner, if you do not have a 7/16"(11mm)spanner or adjustable spanner (shifter) then we supply one, allowing you to do any adjustments or add any of the optional extras to your bracketing system.