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FRP Saddle Clip Assembly and Fasteners for Grated Treads

Tread Types

Tread1 Welded fixing – No nosing



Tread 2 Bolted fixing – No nosing



Tread 3 Welded fixing –Floor plate nosing



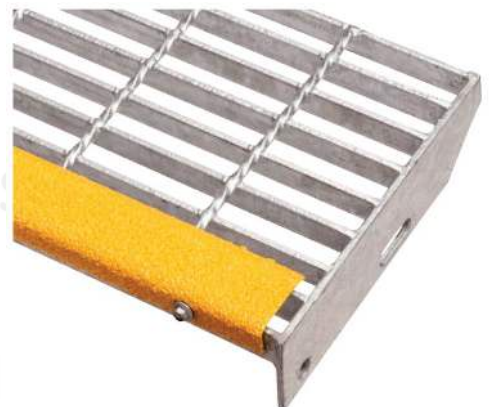
Tread 4 Bolted fixing – Floor plate nosing



Tread 5 Welded fixing – Abrasive nosing



Tread 6 Bolted fixing – Abrasive nosing



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- FRP 70 X 25 MM
- FRP 70 X 10 MM



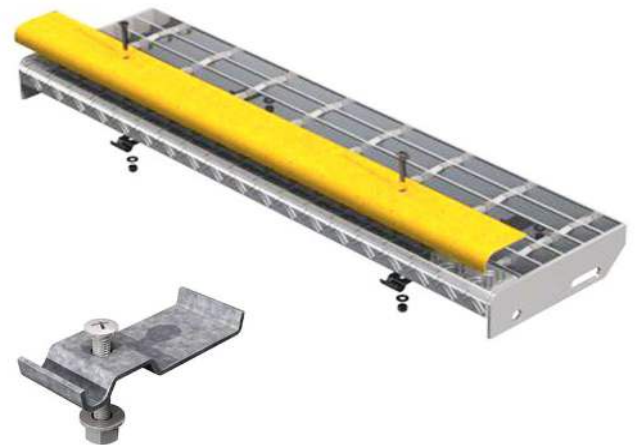
Installation of Grated Steel

Place the nosing on the stair tread to ensure it is the correct dimension.

Remove the FRP nosing from the steel grating step, and mark the locations for the fixings.

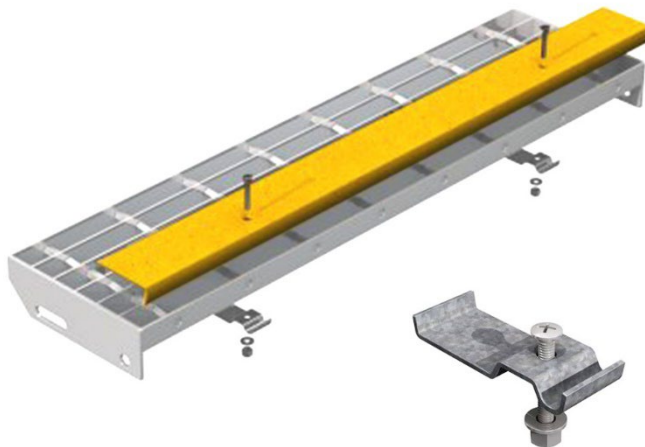
All fixings should be located at least 100 mm from each edge of the nosing, and to the centre of nosing as possible to ensure maximum stability

If you are using grid mesh stair treads, make sure your fixing doesn't clash with the openings in the tread and do not interfere with load bars.



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Drill a hole using a metal drill bit, ensuring that the bit will go through the saddle clip assembly
Install the nosing and make sure Everything is tight and secure.



You can use a stainless-steel TEK 3 screw or a TEK 5 screw to fasten the FRP to the face of the welded steel tread. Tek screws come with a Hex head, or a pan head. You would need to drill-countersink holes in the face of the FRP first.





This welded galvanised steel tread already has a non-slip checker-plate nosing. Ideally it should have a contrast colour of either black or yellow.



You could use mechanical fasteners. If you are drilling only a few holes in steel, you can use a standard high-speed steel bit.

Regular drill bits cannot cut through steel, so you need an HSS (hard drill bit to do the job. There are two types of drill bits that you can count on for metalworking projects: titanium and cobalt.

Titanium drill bits are high-speed steel (HSS) drill bits with a titanium oxide coating. They are very hard, and corrosion-resistant. They last much longer than regular HSS drill bits, and they are good for cutting through any metal, including metal sheeting. Titanium drill bits are harder than cobalt, but because they are coated, they cannot be sharpened. Cobalt drill bits are made of cobalt steel, and they can be sharpened. They are also highly resistant to heat and are very hard and abrasive. They are especially good for drilling through stainless steel, cast iron and titanium.]

Stainless Steel and Checker Plate



Countersunk

SD Screws

Bimetal 316

Stainless

Countersunk

Philips SD bimetal screws feature heat-treated, hardened carbon steel drill tips.



The head and threaded body are 316 stainless steel. This provides the best corrosion resistance in a marine environment in a self-drilling screw whilst still maintaining drilling performance.

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