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FRP Saddle Clip Assembly and Fasteners



Installation Grated Steel

Place the nosing on the stair tread to ensure the nosing is the correct dimensions.

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

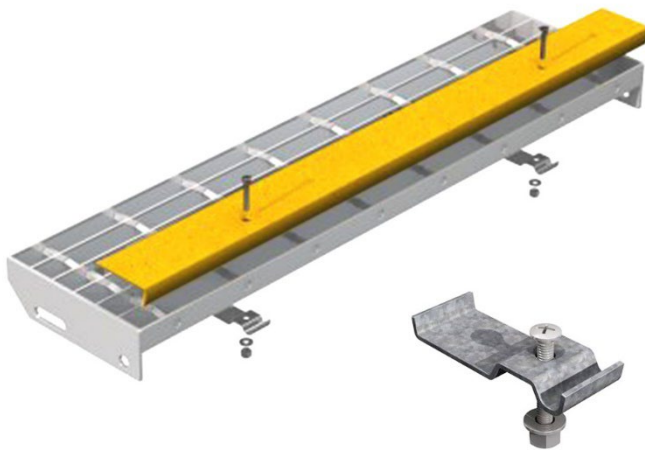
If you are using grid mesh stair treads, make sure your fixing doesn't clash with the openings in the tread and do not interfere with load bars.



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Drill a hole using a metal drill piece, ensuring that the bit will go through the saddle clip assembly

(c) Stair Nosing Australia Install the nosing and make sure Everything is tight and secure.



You can use a stainless steel TEK 3 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 welded on to it. Ideally it should have a contrast colour of either black or yellow.



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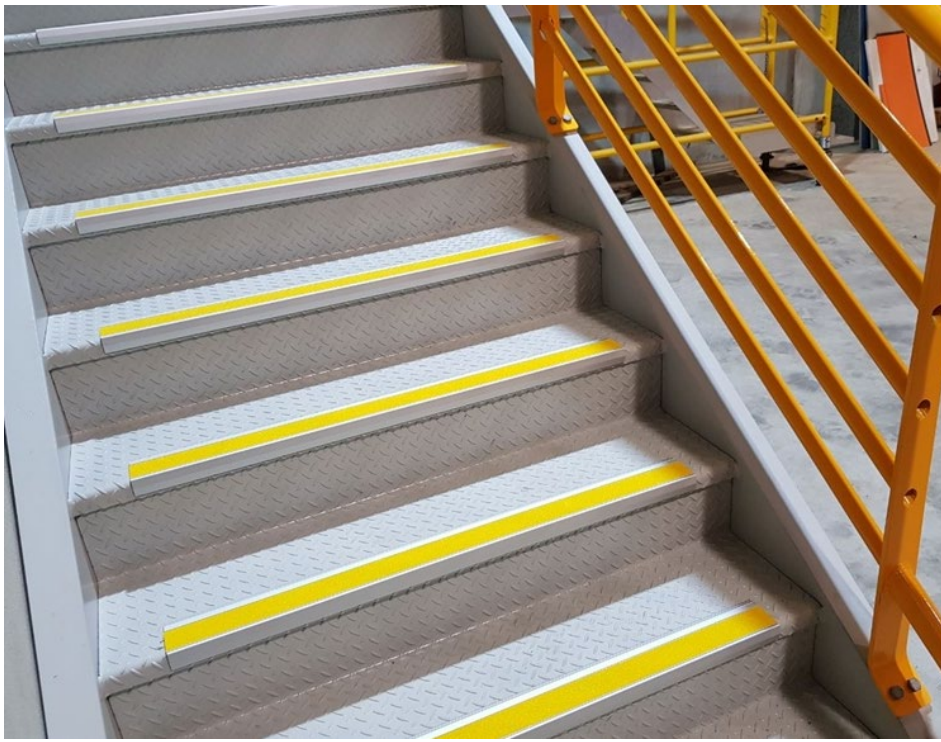
You could use mechanical fasteners. If you are only drilling a few holes through steel, you can use a regular high-speed steel bit.

[Regular drill bits cannot cut through steel, so you need a 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]

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Titanium drill bits are high-speed steel drill bits (HSS) that have 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.]

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	HSS Drill Bits	Cobalt Drill Bits	Inox Drill Bits	Step Drill Bits	Spade Bits	Auger Bits	Tap & Die	Straight Shank Masonry Drill Bit	SDS Masonry Drill Bit	Multi Purpose Drill Bit	Glass & Tile Drill Bit	Chisel Drill Bits	Bimetal Holesaw	Diamond Holesaw	TCT Holesaw
Wood	○	○			●	●				○			○		○
Plastic	○	○		●			●					●			○
Soft Metal	●	●	●	●			●			○		●			●
Stainless Steel	○	○	●				○			○		○			○
Cast Iron		●					●			○		●			
Brick							●	●	○	●	●		○		
Concrete							●	●	○		●				○
Reinforced Concrete								●	○		●				
Granite							○	○	○				●		
Ceramic Tile/ Glass									○	○			●		●
Porcelain Tile															○
Cement Sheet							●	●	○	○		○	○	○	○
Plasterboard	○	○					●		●			○			

○ Suitable ● Optimal

All Fasteners

<https://www.allfasteners.com.au/self-drilling-screws-countersunk-bimetal-316-stainless>

1800 255 349 | techadvice@allfasteners.com.au



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 a 316 stainless steel grade. This provides the ultimate corrosion resistance in a marine environment in a self-drilling screw whilst still maintaining drilling performance.

These bimetal screws have a dual layer Ruspert surface coating therefore the surface will not appear to have a typical stainless steel look. This is simply part of the manufacturing process ensuring a high level of corrosion protection.

TECHNICAL INFO:

INSTALLATION

- Drill Capacity: Steel 1.2-4.0mm
- Driver Type: P2 Philips Drive
- Installation Speed: 2400 RPM Max Drill Speed

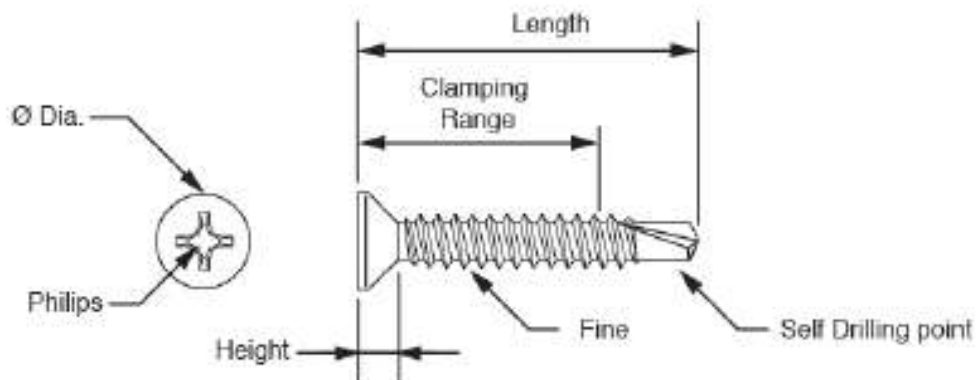
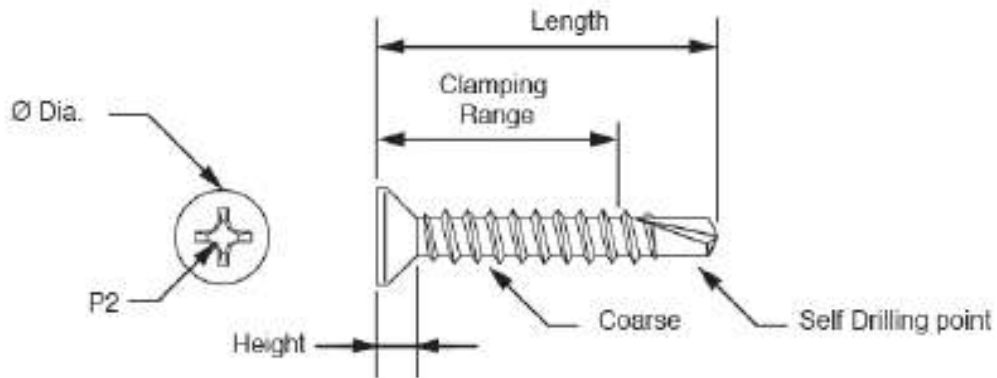
PHYSICAL CHARACTERISTICS

- Head Type: Countersunk
- Point Type: No.3 drill point
- Material: Bimetal (stainless steel 316 grade, heat treated alloy steel tip) Finish: Ruspert
- Head Dia: 10g (9.1mm)
- Head Height: 10g (3.3mm)

CORROSION RESISTANCE

Austenitic stainless steel 300 grade with Ruspert coating. Ruspert coating is a high-grade metal surface technology that prevents surface corrosion. Consisting of a baked ceramic surface coating and a second metallic zinc layer, these layers are bonded together through chemical reactions producing a strong coating film.

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