

Technical Data Sheet

WFA-004

March 2020

FRP Grating Fixing Instruction

Webforge FRP grating can be fixed with a number of fixing systems. Webforge recommends Fixing System 1 for most applications.

Note: All FRP grating fasteners require access from below the grating.

Fixing System 1

Clip code C030SM, which is a Stainless steel top clip (C129SM) and a stainless steel bolt M8x65mm (C301SM)



C129SM

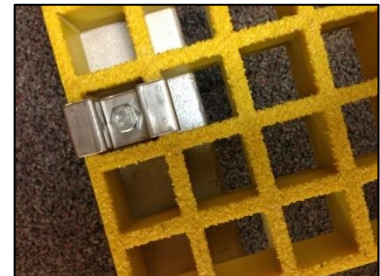


C301SM

Note: C024SM & C025SM are similar to the C030SM but with an M6 fixing bolt (C312SM)

Installation

1. Place the grating in position.
2. Pre drill the supports at the required location with a 10mm hole.
3. Fit the screw C301SM into the top clip C129SM and through the 10mm hole.
4. Holding the nut on the underside of the structure flange tighten the M8 bolt until the grating is firmly attached to the structure.



Fixing System 2

A Stainless steel top clip (C129SM), stainless steel bottom clip (C210SM) and a stainless steel bolt M8x65mm (C301SM)



C301SM



C129SM



C210SM

Installation

1. Place the grating in position.
2. Fit the screw C301SM into the top clip C129SM and through the grating and screw into the bottom clip C210SM.
3. Restraining the bottom clip on the underside of the grating tighten the M8 bolt ensuring the slot in the clip engages on to the FRP load bar and the other end is under the support flange. Tighten until the grating is firmly clipped to the structure.



Fixing System 3

A Stainless steel clip (C131SM-25mm grating, C132SM-38mm grating) and a stainless steel bolt and nut M6x20, 30mm (C310SM, C311SM)



C132SM



C310SM

Installation

1. Place the grating in position.
2. Pre drill the supports at the required location with a 6mm hole.
3. Fit the screw C310SM into the clip and through the 6mm hole.
4. Holding the nut on the underside of the structure flange tighten the M6 bolt until the grating is firmly attached to the structure.

