

GRATING CLIPS PRODUCT CATALOGUE



gratingfrpaustralia.com.au



WA, NT & SA
(08) 9584 2500



wa-sales@gratingfrpaustralia.com.au



NSW, QLD, VIC, TAS & ACT
(02) 4244 1008



nsw-sales@gratingfrpaustralia.com.au

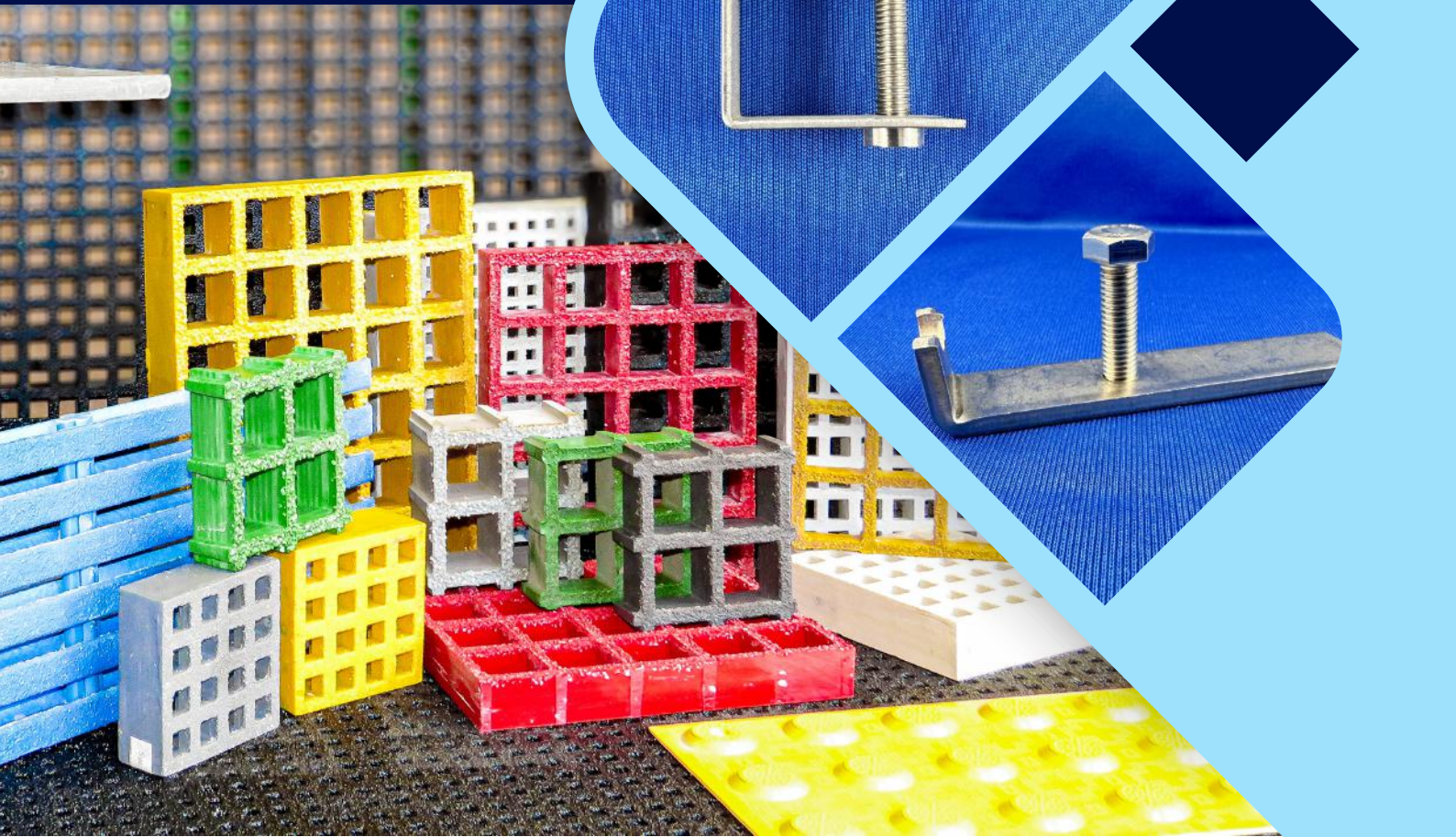
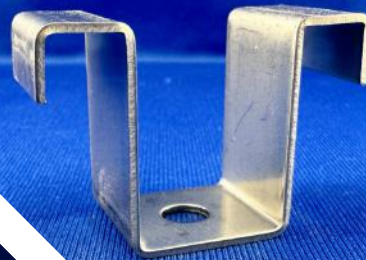


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Managers Welcoming

Welcome,

We are delighted to present our product catalogue for Grating FRP Australia and provide you with an insight into what makes Grating FRP Australia a leader in our field. Since our founding in 2007 by Warren Blay, who remains an integral part of our operations, we have built a robust reputation for excellence and innovation - seeing us become one of the most trusted Fibre Reinforced Polymer suppliers in Australia.

Our journey has been marked by the successful completion of over 2,500 projects nationwide. This extensive experience has allowed us to refine our expertise and maintain a consistent 5-star rating for service and product, a testament to the dedication and skill of our exceptional team. We take pride in our ability to deliver high-quality FRP products and solutions tailored to meet the diverse needs of our clients across Australia.

In this catalogue, you will find a detailed overview of our products, our industrious capabilities, and the various forms of engineering data and load tables you may require for further knowledge. Our commitment to quality, reliability, and customer satisfaction is at the core of everything we do, and we are eager to demonstrate how we can bring these strengths to your projects.

Thank you for taking the time to learn more about Grating FRP Australia. We look forward to the opportunity to collaborate and achieve great results together.

Sincerely,

Grating FRP Australia Management Team

Grating FRP Australia Management

Company Overview

We are an Australian-owned and Australia-wide specialist in industrial supplies. We have a niche focus to Fiberglass Reinforced Polymer products, structural systems and engineering services.

FACT: We are the only FRP supplier with ISO 9001 QA and BAL40 certified practices in Australia.

Grating FRP Australia supplies and designs high-quality Fiberglass Reinforced Polymer (FRP) structural products, offering a wide range of products and services. We provide fiberglass gratings, structural shapes, manhole covers, panels, access systems, stair treads, handrails, walkways, and complete structural design and fabrication for FRP projects. Our company collaborates with clients from various industries, offering technical advice and innovative FRP solutions.

<p>Founded in 2007</p>	<p>We are a long-standing Australian supplier who have upheld an excellent portfolio of consumers and manufacturers over our decades of business. With an extensive track record of fabrication and installations under our belt, the fiber reinforced polymer (FRP) composites market continues to offer significant benefits to the industrial, commercial and building infrastructure in Australia and around the world.</p>
<p>The Leadership</p>	<p>At Grating FRP Australia, our leadership is characterized by a commitment to innovation, integrity, and excellence, driving our team to continually exceed expectations and pioneer new standards in the FRP industry.</p>
<p>Core Competency</p>	<p>Our core competency lies in our ability to engineer and deliver innovative FRP solutions tailored to our clients' specific needs, supported by our expertise in materials science, manufacturing processes, and industry-leading services.</p>
<p>The Product</p>	<p>Grating FRP Australia sells and supplies Fiber Reinforced Polymer products.</p>
<p>Innovation</p>	<p>At Grating FRP Australia, our innovation is evident in our customized solutions, material advancements, and sustainability initiatives. We continuously collaborate with clients and invest in research to enhance our products and processes, ensuring we deliver cutting-edge FRP solutions that meet evolving industry standards and client needs.</p>
<p>Research & Development</p>	<p>As an accredited Triple A Organization, we take pride in remaining active with our involvement of product and service development. At Grating FRP Australia, our dedicated Research and Development team collaborates on innovative projects to enhance the performance, functionality, and sustainability of our FRP products. By investing in R&D, we stay ahead of industry trends and market demands, ensuring that we deliver cutting-edge solutions tailored to our clients' evolving needs.</p>
<p>International Presence</p>	<p>Grating FRP Australia has a global presence, recognized for quality and innovation. Through strategic partnerships and collaborations, we deliver FRP solutions worldwide.</p>

The Team



We have a full circle approach of our involvement in our team's knowledge, supply opportunities and quality controls. On a regular basis, our staff travel to our manufacturers, where we continue to ensure raw material qualities and manufacturing procedures are maintained to complete compliance, where our priorities of ethical, safe and viable services continue.

Furthermore, we work closely with Australian & Beijing Universities, in the development of new applications for FRP in conjunction with our manufacturers.

We're proudly represented by skilled and passionate staff who have extensive experience in their respected sections of our organization. We prioritise our standard of working with quality service and reliable equipment – ensuring that at all times we are providing value packed services and improvements to benefit your FRP project longevity and outcomes.

The Service



We will work alongside you to offer the complete structural design and fabrication services you require, utilising our in-house engineers. We also have the capacity to manage FRP projects at various stages to meet the project specifications and requirements you may be missing the expertise in.

We have been working with our clients from various industries across almost two decades, providing them in-depth technical advice and innovative FRP solutions that they've never looked back on.

Our supply network capacity is vast and dedicated, meaning we can source almost any specification and requirement to have a project run smoothly, efficiently and transparently from start to finish.

We offer our services all across Australasia for supply, installation, upgrades and maintenance.

The Product



We hold a large range of custom FRP product capacities and services, ranging from manhole covers, specified grating and panels, access systems, stair treads & handrails, walkway solutions, and more. Our products are a smarter choice for many applications in its durability, cost-over-lifetime, incredible strength, minimal to no need of maintenance and its non-corrosive/ non-conductive nature.

FRP has the capacity to be installed quickly, reducing labor costs. It can be transported fast and under less-freight cost due to its light weight and it is a customizable product - making it a great solution for technical structural projects.



Scavenger Fire & Safety: Certified for Quality, Safety, and Bushfire Resilience

At Scavenger Fire & Safety, we are proud to uphold the highest standards of quality, safety, and fire resistance across all our products and services. Our commitment to excellence is reflected in the following certifications:

BAL40 - Bushfire Attack Level 40

Scavenger Fire & Safety products are designed to withstand severe bushfire conditions, meeting the stringent BAL40 (Bushfire Attack Level 40) certification. This rating ensures our fire safety equipment can endure intense heat, ember attacks, and some direct flame exposure—making them ideal for use in high-risk bushfire zones. We use fire-resistant materials and construction techniques that align with Australian standards to provide maximum protection for properties in vulnerable areas.

Ashburton Assurance Australasia ISO 9001:2015 Quality Management System

Our commitment to delivering the best products is reinforced by our ISO 9001:2015 certification for quality management, provided by Ashburton Assurance Australasia. This globally recognized certification demonstrates our dedication to maintaining high-quality standards across all aspects of our operations. By focusing on customer satisfaction, continuous improvement, and effective process management, we ensure that every fire extinguisher, fire blanket, and safety solution we offer meets the most rigorous industry standards.

Ashburton Assurance Australasia ISO 45001:2018 OH&S Management System

Safety is at the core of everything we do at Scavenger Fire & Safety. Our ISO 45001:2018 certification for Occupational Health and Safety Management reflects our proactive approach to creating a safe working environment for our team and ensuring that our products contribute to the safety of others. By adhering to international safety standards, we not only minimize workplace hazards but also help safeguard our customers by delivering reliable, life-saving fire safety products.

These certifications are a testament to Scavenger Fire & Safety's unwavering commitment to protecting lives and properties. When you choose us, you're choosing a company that prioritizes quality, safety, and resilience in every product we provide.



CERTIFICATE

Material Fire Test Certificate

IGNL-6228-16C I01 R00

DATE OF TEST 30.11.2022
 ISSUE DATE 30.01.2023
 EXPIRY DATE 29.01.2028

AS 1530.8.1 Methods for fire tests on building materials, components and structures
 Part 8.1: Tests on elements of construction for buildings exposed to simulated bushfire attack – Radiant heat and small flaming sources

SPONSOR
Scavenger Supplies Pty Ltd
 15 Waverley Drive
 Unanderra NSW 2526

TEST BODY
Ignis Labs Pty Ltd
 ABN 36 620 256 617
 3 Cooper Place
 Queanbeyan NSW 2620
 Australia
 www.ignislabs.com.au
 (02) 6111 2909
 Test body is the test location



Specimen Name

FRP Grating Mini – Micro mesh

Specimen Description

The test sponsor described the FRP Grating Mini – Micro mesh as fibreglass reinforced polymer grating, which is composed of resins, isophthalic polyester. The nominal mass per unit is 18 kg/m² and the nominal thickness is 26.29 mm. The colour of the specimen is grey. The end use of it is external boardwalks and decks. The openings have a height of 12.26 mm and a width of 12.57 mm. The specimen comprised an external wall that has two layers of 6 mm fibre cements with steel framing as per Clause 8.4.1 of AS 3959-2018 and an FRP Grating MINI – MICRO Mesh decking board. Ignis Labs was not responsible for the sampling stage. All specimens were sampled by the test sponsor. The test results apply to the specimens as received.

Pre-test Conditioning

Prior to construction, the components of the specimens were subjected to normal temperatures and humidity. The crib was conditioned in an oven with temperature of between 40 °C and 50 °C for 24 hrs.

Test Method

The test was performed in accordance with the requirements of AS 1530.8.1-2007 with the purpose of determining the performance of external construction elements when exposed to radiant heat, burning embers and burning debris. Class C test cribs were prepared and used in this test in accordance with Clause 14.2 of AS 1530.8.1-2007. The furnace temperature and radiant panel was controlled so that the average heat flux, measured at the centre of the panel was maintained within the prescribed radiant heat flux limits in accordance with Table 14.2 of AS 1530.8.1-2007.

The radiant heat source was the furnace for pilot fire-resistance tests of AS 1530.4 which has a nominal size of 1 m x 1 m with a sheet steel closure. The external wall was built to have a rebate in the centre of the specimen with an eaves detail being 798 mm. The FRP Grating MINI – micro mesh deck was fabricated to fit the rebate of the external wall. The thermocouples on the eaves detail are 1070 mm above the ground.

Observations

The ambient temperature of the laboratory at the commencement of the test was 31.8 °C. The test duration was 60 minutes. Both corners of the deck rebate ignited, but no significant flame spread was observed.

Test Results

Performance Criteria	Time to failure (min)	Position of failure
Formation of through-gaps greater than 3 mm	No failure	-
Sustained flaming for 10 s on the non-fire side	No failure	-
Flaming on the fire-exposed side at the end of the 60 min test period	No failure	-
Radiant heat flux 365 mm from the non-fire side exceeding 15 kW/m ²	Not applicable	NA
Mean and maximum temperature rises greater than 140 K and 180 K	Not applicable	NA
Radiant heat flux 250 mm from the specimen, greater than 3 kW/m ² between 20 min and 60 min	Not applicable	NA
Mean and maximum temperature of internal faces exceeding 250 °C and 300 °C respectively between 20 min and 60 min after commencement of test	20 mins	The back and side sides on the crib flame bottom of the upper surface crib
Extent of flaming exceeding 500 mm limits on decking boards	No failure	-
Crib class	C	Peak heat flux 40 kW/m ²

Test Supervisor
 Darren Laker

Technical Lead
 Jessica Ying

Version: IGNL-QF-060-Issue 01 Revision 00

Disclaimer This report details methods of construction, the test conditions and the results obtained when the specific element of construction described herein was tested in accordance with test method of AS 1530.8.1. Any significant variation with respect to size, constructional details, loads, stresses, edge or end conditions, other than those allowed under the field of direct application in the relevant test method, is not covered by this report. The results of this fire test may be used to directly assess fire hazard, but it should be recognised that a single test method will not provide a full assessment of fire hazard under all fire conditions. The results only relate to the behaviour of the specimen of the element of the construction under the particular conditions of the test, they are not intended to be the sole criteria for assessing the potential fire performance of the element in use nor do they necessarily reflect the actual behaviour in fires. Because of the nature of fire hazard property testing and the consequent difficulty in quantifying the uncertainty of measurement of fire hazard properties, it is not possible to provide a stated degree of accuracy of the result.

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**CERTIFIED
Quality**
ISO 9001

ASHBURTON ASSURANCE AUSTRALASIA

Hereby grants this

**QUALITY MANAGEMENT
SYSTEM CERTIFICATION**
Registration No 610006/Q/4

to

Scavenger Supplies Pty Ltd
8 Panton Road, Greenfields WA 6210

for

**The provision of industrial, construction and maritime
supplies as well as the supply and servicing of fire
equipment.**

and in recognition of the implementation of a
management system conforming to

ISO 9001:2015

ANZSIC Code: **1090**

Certificate valid from **01/09/2022** to **03/10/2025**

Certificate Approved by Keith Jones, Managing Director



Issue Date: 01/09/2022

Initial Certification Date: 24/10/2013



This certificate of registration is granted subject to the terms of business and certification governing the scheme by Ashburton Assurance Australasia and in respect of goods and services described within the schedule hereto; at or supplied from the location/s shown on this certificate.

To verify validity of this certificate please visit www.jas-anz.org/register

ASHBURTON ASSURANCE AUSTRALASIA
LEVEL 1, 100 HAVELOCK STREET, WEST PERTH, WA





ASHBURTON ASSURANCE AUSTRALASIA

Hereby grants this

**OH&S MANAGEMENT
SYSTEM CERTIFICATION
Registration No 610006/W/2**

to

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8 Panton Road, Greenfields WA 6210**

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**The provision of industrial, construction and maritime
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Certificate valid from **01/09/2022** to **03/10/2025**

Certificate Approved by Keith Jones, Managing Director

Issue Date: 01/09/2022

Initial Certification Date: 28/06/2021



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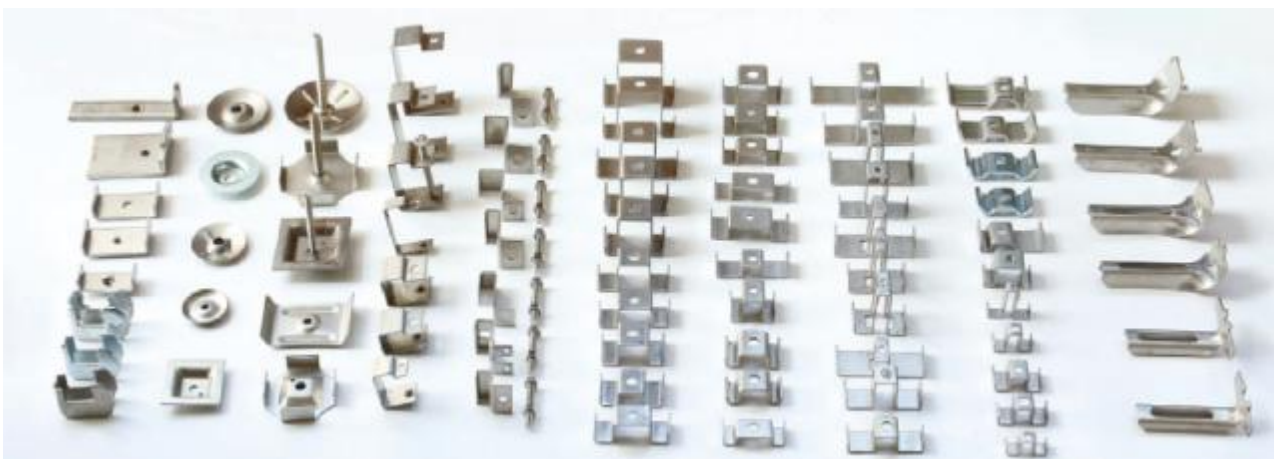
ASHBURTON ASSURANCE AUSTRALASIA
LEVEL 1, 100 HAVELOCK STREET, WEST PERTH, WA





C lips

Our Grating Clips are simple and easy to use solutions for securing gratings or plates to their main frame safely. Their installation is quick, simple and requires minimal maintenance as they are structurally created with stainless steel, making them rust-free and high strength.





C Clip

C Clips are specifically designed to bring two panels of molded fibreglass gratings together to minimize differential deflections when joints fall between the supports.



L Clip

An alternative option of M Clips, used for securing gratings to the support structure. L Clips are lighter duty fixing clips that hold down one FRP Grating load bar to the base support.



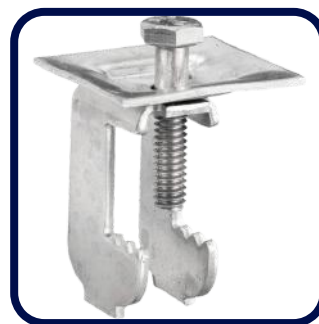
M Clip

M Clip, also known as a saddle down clip, clamps two fibreglass grating load bars to the support. It provides excellent holding capacities. M Clips are recommended for stair tread panels and most kinds of gratings (open mesh, mini mesh and pultruded).



W Clip

This round cover type fastener is used for holding down plates and covered fibreglass gratings. The W Clips recessed center allows the fastener to sit flush with this ADA compliant (<6.4mm high) hold down clip.



G Clamp


Our G Clamp is a fast, easy and very dependable grating fastener for securing FRP Gratings. G-Clamps can be easily fastened from the above, with mere hand tools, with no extra need of drilling, tapping, cutting or welding.



J Clamp

A J Clamp is a bottom clamp which we utilise together with other top clips. It is used to help fasten grating together with a frame, where you may not be able to drill holes.

Our Most Common Use Clips & Accessories

	Beam Clamp	Beam Clamp M8 Threaded Hole SS316 c/w Bolt M8	100 x 20 x 5	All Mesh Types
	C251919	C-Clip SS316 Complete with Bolt	32L x 12W x 30H	Suitable for 25Tx19x19 Mini Mesh
	C253838	C-Clip SS316 Complete with Bolt	38L x 25W x 29H	Suitable for 25Tx38x38 Square Mesh
	C303838	C-Clip SS316 Complete with Bolt	39L x 25W x 32H	Suitable for 30Tx38x38 Square Mesh
	C383838	C-Clip SS316 Complete with Bolt	*Lx*Wx*H	Suitable for 38Tx38x38 Square Mesh
	M133838	M Clip SS316 - Clip Only	50L x 25W x 10H	Suitable for 13Tx38x38 Square Mesh
	M171919	M Clip SS316 - Clip Only	35L x 12W x 6H	Suitable for 25Tx19x19 Mini Mesh

	M251919	M Clip SS316 - Clip Only	35L x 12W x 25H	Suitable for 25Tx19x19 Mini Mesh
	M381919	M Clip SS316 - Clip Only	35L x 12W x 35H	Suitable for 38Tx19x19 Mini Mesh
	M253838	M Clip SS316 - Clip Only	52L x 25W x 21H	Suitable for 25Tx38x38 Square Mesh
	M382626	M Clip SS316 - Clip Only	40L x 15W x 25H	Suitable for 38Tx26x26 Square Mesh
	M383838	M Clip SS316 - Clip Only	52L x 25W x 35H	Suitable for 38Tx38x38 Square Mesh
	M503838	M Clip SS316 - Clip Only	55L x 20W x 40H	Suitable for 50Tx38x38 Square Mesh
	M505050	M Clip SS316 - Clip Only	63L x 30W x 45H	Suitable for 50Tx50x50 Square Mesh

	L253838	L Clip SS316 - Clip Only	28L x 25W x 25H	Suitable for 25Tx38x38 Square Mesh
	530MG316SCS	Socket Cap Screw SS316 Bolt Only	M5 x 30mm	Suitable for M171919, M251919 and M381919 Clips
	550MG316SCS	Socket Cap Screw SS316 Bolt Only	M5 x 50mm	Suitable for M171919, M251919 and M381919 Clips
	560MG316SCS	Socket Cap Screw SS316 Bolt Only	M5 x 60mm	Suitable for M171919, M251919 and M381919 Clips
	M6x35KH	Knurled Socket Head SS316 Bolt Only	M6 x 35mm	Suitable for C251919 and C253838 Clip
	M6x45KH	Knurled Socket Head SS316 Bolt Only	M6 x 45mm	Suitable for C381919 and C383838 Clip

	830MG316SS	Set Screw SS316 Bolt Only	Set Screw SS316 Bolt Only	Suitable for 38x38 Square Mesh
	SQUARE453838	Square Clip SS316 - Clip Only	45L x 45W x 9H	Suitable for 38x38 Square Mesh
	W30x6.5Ø	30mmx6.5mm Aperture SS316	N/A	Suitable for 19x19 and 13x13 Square Mesh
	W45x8Ø	45mmx8mm Aperture SS316	N/A	Suitable for 38x38 Square Mesh
	SD75+BOLT	Storm Disk Complete with Bolt SS316	75mm diameter (M8x70mm Countersunk)	Suitable for 19x19, 38x38 and 50x50 Square Mesh
	Fold Down Handle	Fold Down Handle with Backing Plate & Screws SS316	140 x 100mm	Typically Used with Solid Top



Contact us for further enquiries



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