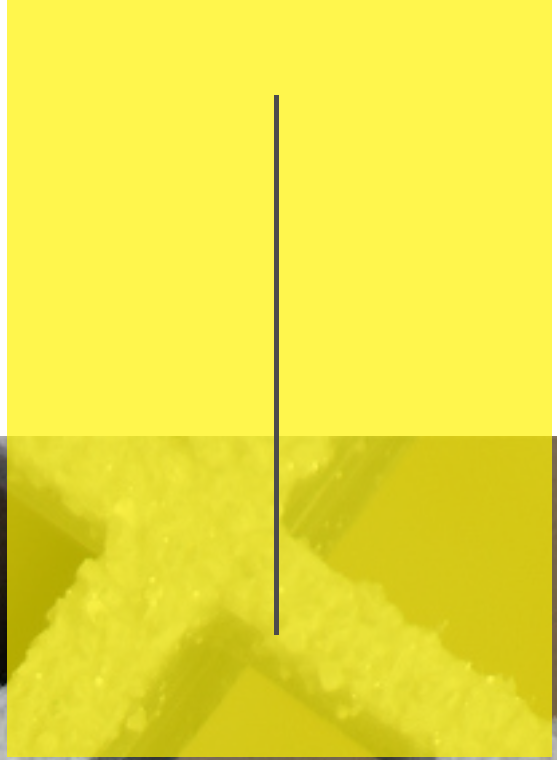


**GRATEMETAL**  
*Engineering metal solutions*



One place,  
Limitless Solutions for  
Grating Fixing Accessories..

# GRATEMETAL

## COMPANY

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Established in the year 1992, in Mumbai, India, we at 'Gratemetal' have devoted ourselves towards manufacturing and supplying the finest range of Grating accessories across the globe.

Our range of quality accessories and tools, customization facility, mass production ability & prompt service has helped us to cater to FRP & Steel industries across many countries. We provide all types of Accessories for FRP/Steel Gratings & other metal fabricated items in Stainless steel and Galvanized material.

We offer all our products under our brand name '**GRATEMETAL**'



## PRODUCTS

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The quality of the products that Gratemetal produces is of the utmost importance. We work actively with our suppliers of raw materials to seek ways to promote continuous improvement in the quality of our products.

As a business, Gratemetal is strictly committed to the supply of reliable & quality products which match the customer expectation and can be applied perfectly to any project in all the environments.

SECURE  
YOUR  
GRATINGS  
WITH  
GRATEMETAL  
CLIPS



# GRATEMETAL

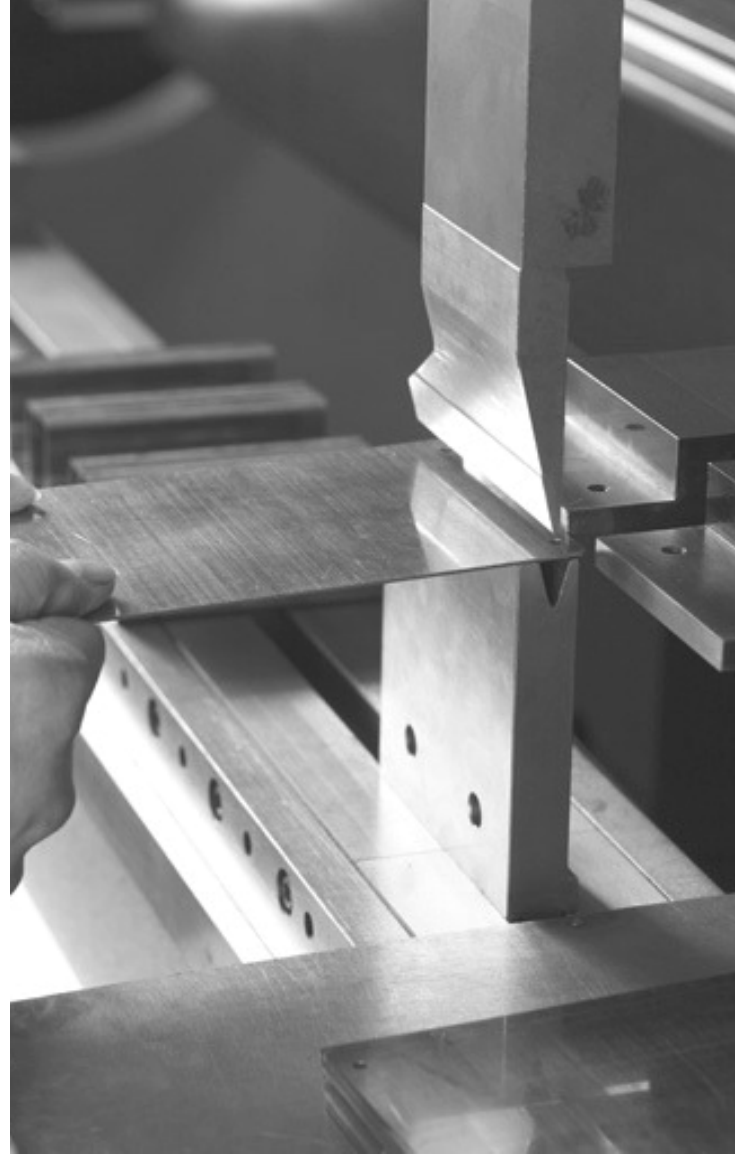
## MANUFACTURING

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We are equipped with advanced machinery, experienced staff & a network of appropriate suppliers. This results in a superior efficiency of production and makes it possible for us to obtain high volume production capacity and independent production procedures. We're continuously investing in technologies and facilities and have largely benefited from a significant investment in both our people and systems.

Gratemetmetal manufactures all products in compliance with the set industry standards using latest tools and machines, quality assured raw materials & modern techniques under the strict supervision of professionals. With the help of our excellent management & experienced staff, we have been able to meet bulk, urgent as well as the customized requirements of our clients.

WE KEEP  
READY STOCK.  
CALL US OR  
SEND AN  
EMAIL



## CUSTOMIZATION

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Our in-house engineers work with you in order to design & manufacture the perfect product for your application. We believe the design process needs to be balanced with the manufacturing complexities. Hence, we work with clients to develop product strategies ranging from simple product to complex projects to help our partners realize cost-effective solutions for customized projects.

All Gratemetmetal products are highly versatile as they can be installed conveniently thus saving time and costs.

# GRATING FASTENING SOLUTIONS

## GRATEMETAL Standard Grating Accessories & Installation Methods



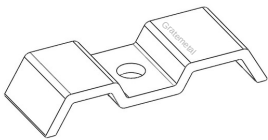
Steel Gratings, as well as FRP Moulded & Pultruded Gratings, can be secured in numerous ways thanks to Gratemetal's extensive range of installation accessories. All Gratemetal Clip sets are tested and proven to function in the roughest of applications & severe environments.

Gratemetal offers Grating clip tops and undersides, that are either standard or exclusively designed to suit client specific requirements. Whatever your application or chemicals present in your working environment, whatever your sizes, Gratemetal has the most reliable solutions for all your operations.

**Available sizes:** 15mm, 25mm, 30mm, 38mm, 50mm & 60mm

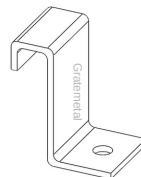
**Available grades:** SS AISI 316 L, 316, 304, GI & HDG

### Top clips



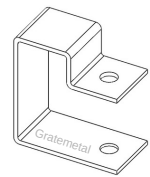
**M Clip**

M-type Saddle clips for securing FRP and Steel gratings



**L Clip**

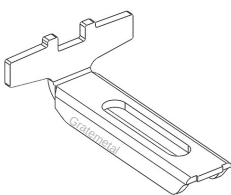
L-type Hold down clips for lighter duty applications



**C Clip**

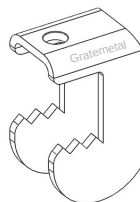
C-type Panel joining clips for joining two grating panels

### Bottom clamps



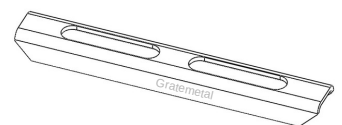
**M Clamp**

Pressed clamp for mounting gratings with support flange where drilling isn't permissible



**G Clamp**

For applications where fixing to the underside support flange is a challenge



**U Clamp**

U clamp used for connecting unsupported gratings where drilling isn't permissible

### Clip Fasteners



**Bolt**

Comes as a set with grating clips/clamps



**Nut**

Comes as a set with grating clips/clamps



**Washer**

Comes as a set with grating clips/clamps

# GRATING FASTENING SOLUTIONS

## CHEQUERED GRATING HANDLE

Gratmetal provides an ideal solution for lifting Chequered grating panels with this heavy duty and easy to install Stainless steel handle set. It provides easy and quick assembly/disassembly without the need for special tools. Comes in a standard size suitable for all types of chequered gratings.



## GRATING CLIP SETS

### M Clip (Saddle Clip)

M Clips are used to secure FRP & Steel grating panels to a support from the top for a secure fit.

### L Clip (Hold down Clip)

L Clips are used to secure moulded or pultruded grating to a support bar for moderate loads.

### C Clip (Panel joining Clip)

C Clips are used to join adjacent grating panels together.

### M Clamp ( Pressed clamp plate )

M Clamps are used along with our top clips to secure grating to a support bar where drilling is not permissible.

### U Clamp ( Bottom clamp plate )

U Clips are used in conjunction with our top clips for connecting unsupported grating ends to each other to prevent excessive deflection.

### G Clip (G clip set )

G Clips are used to attach grating to a support flange where drilling is not permissible. It provides excellent bidirectional holding capability.

## GUIDELINES

Grating accessories must be periodically checked and regularly maintained for long-term safety and durability. In general conditions, these grating accessories are subject to stress caused by continuous vibrations which may cause loosening of grating fasteners. Also, the temporary loading of heavy objects on the grating can create bending of grating upwards across the beam leading to lifting motion, which in turn loosens the fasteners. This often results in over-stressed grating accessories which then fail to return to their original shape.

Thus, grating accessories should be periodically inspected visually for ensuring that they remain tightly in their place. Grating fasteners can be re-tightened several times, even after following sufficient stresses. If a clip set does not respond to tightening with hand, the threads would have been over-stressed. In that case, discard the ineffective clip set and install a new unit, whenever required.

**Recommended clip quantity:** We recommend to consider 4 Nos of Fixing clips/clamps per sq.meter of Grating. Wherever considerable vibration or lateral loads are applied, clip type and frequency may change. Please consult with our consultant on this. Any other non-standard Grating clips shall be designed and manufactured as per client requirement upon request.

**Get in touch with us for more information about our products, technical details, drawings or samples.**

### Works

E-2, Prime Industrial Estate  
Near Drager Warehouse, Kaman  
Vasai - 401208 Mumbai, India

### Office

303, Anantdeep Chambers  
273/277 Narsi Natha Street  
Masjid - 400009 Mumbai, India

### Branch

Office No 1, 2nd Floor  
Hansraj complex, Maninagar  
380008 Ahmedabad, India