



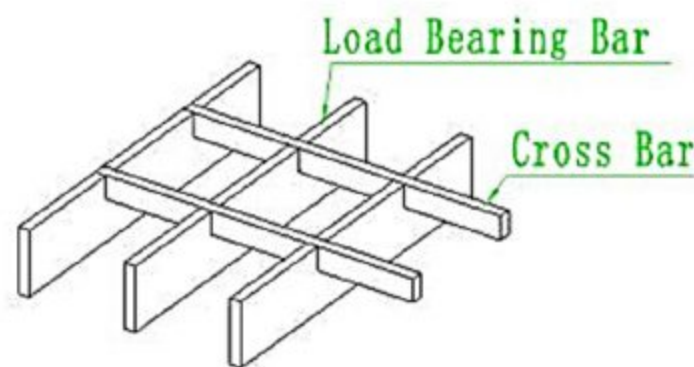
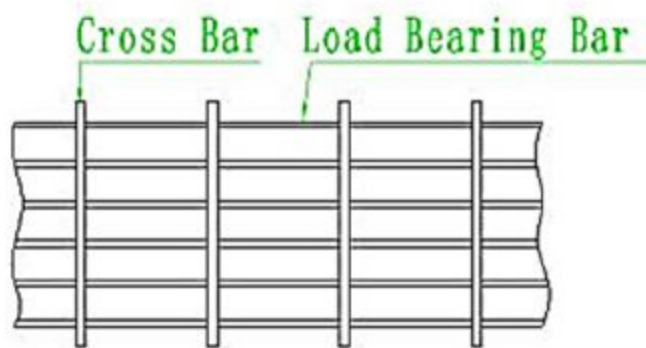
CARBON STEEL, GALVANIZED, STAINLESS STEEL & FRP GRATINGS

Comparing with other metal products, grating has the following advantages:

- * Excellent quality at reasonable price.
- * Light weight & high strength.
- * Good ventilation.
- * Good aesthetic appearance.
- * Efficient stacking & delivery.
- * Easy installation.

CARBON STEEL & GALVANIZED GRATINGS

The machine-stamped loading bars with special slots for accommodating the inserts and the pre-cut inserts themselves are pressed together by a large capacity hydraulic machine, by such way the press-locked grating is formed. The vertically arranged loading bars and inserts produce a very uniform mesh pattern.



Steel Grating

A	325	M	P	G	12	
Pattern	Bar Size	Material	Top Surface	Treatment/Colour	Panel Size	
A	325	M=Mild Steel	P=Plain	G=Galvanised	12=1000×5800	
B	255		S=Serrated (not avail. for load bars 20mm deep or 6mm thick)	U=Untreated	13=1200×5800	
etc.	etc.			B=Bitumen Dipped	14=900×5800	

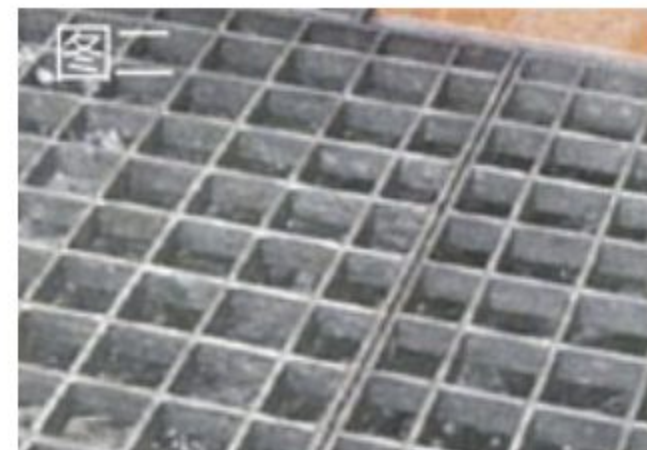
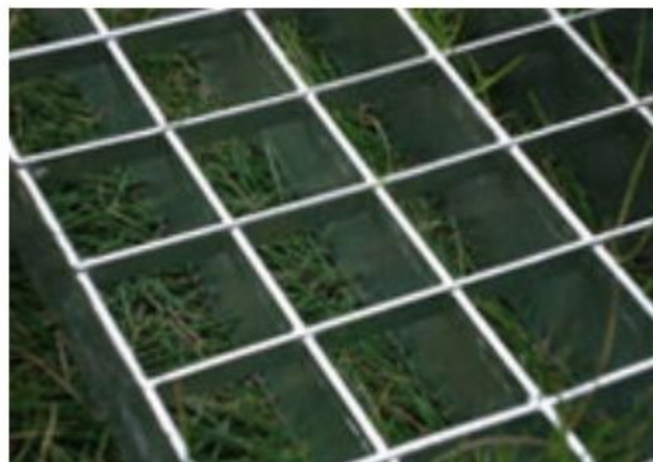
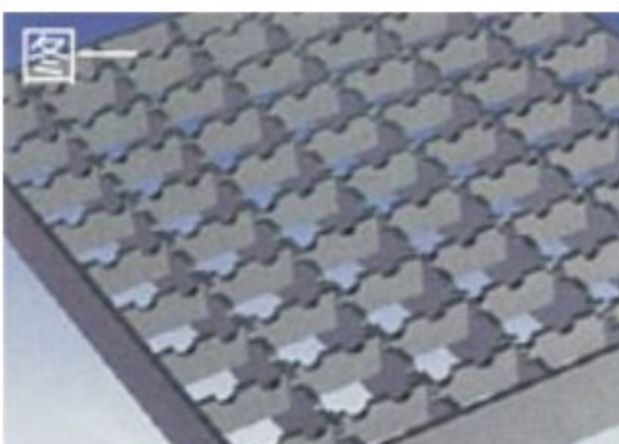


LIGHT & MEDIUM DUTY

Load Bar Size	Maximum Recommended Span(mm)			Maximum Recommended Span(mm)			Maximum Recommended Span(mm)		
	Maintenance Floors No Public Use Uniformly Distributed Load (UDL) = 2.5 kPa			Pedestrian Traffic Public Residential and Light Use Uniformly Distributed Load (UDL) = 3 kPa			Pedestrian Traffic Public Commercial and Crowded Use Uniformly Distributed Load (UDL) = 4 kPa		
	Deflection = 5 mm			Deflection = 5 mm			Deflection = 5 mm		
Unit (mm)	Series 1	Series 2	Series 3	Series 1	Series 2	Series 3	Series 1	Series 2	Series 3
20×3	1190	1110	1000	1140	1060	960	1060	980	890
25×3	1410	1310	1180	1350	1250	1130	1250	1170	1050
32×3	1700	1580	1430	1620	1510	1360	1510	1400	1270
40×3	2010	1870	1690	1920	1780	1610	1780	1660	1500
20×5	1350	1260	1140	1290	1200	1090	1200	1120	1010
25×5	1600	1490	1350	1530	1420	1290	1420	1320	1200
32×5	1930	1790	1620	1840	1710	1550	1710	1590	1440
40×5	2280	2120	1920	2180	2030	1830	2030	1890	1700

The following are the two major types:

- 1、Press Locked Grating : Loading bars and inserts with different height
- 2、Full Grating : loading bars and inserts with the same height

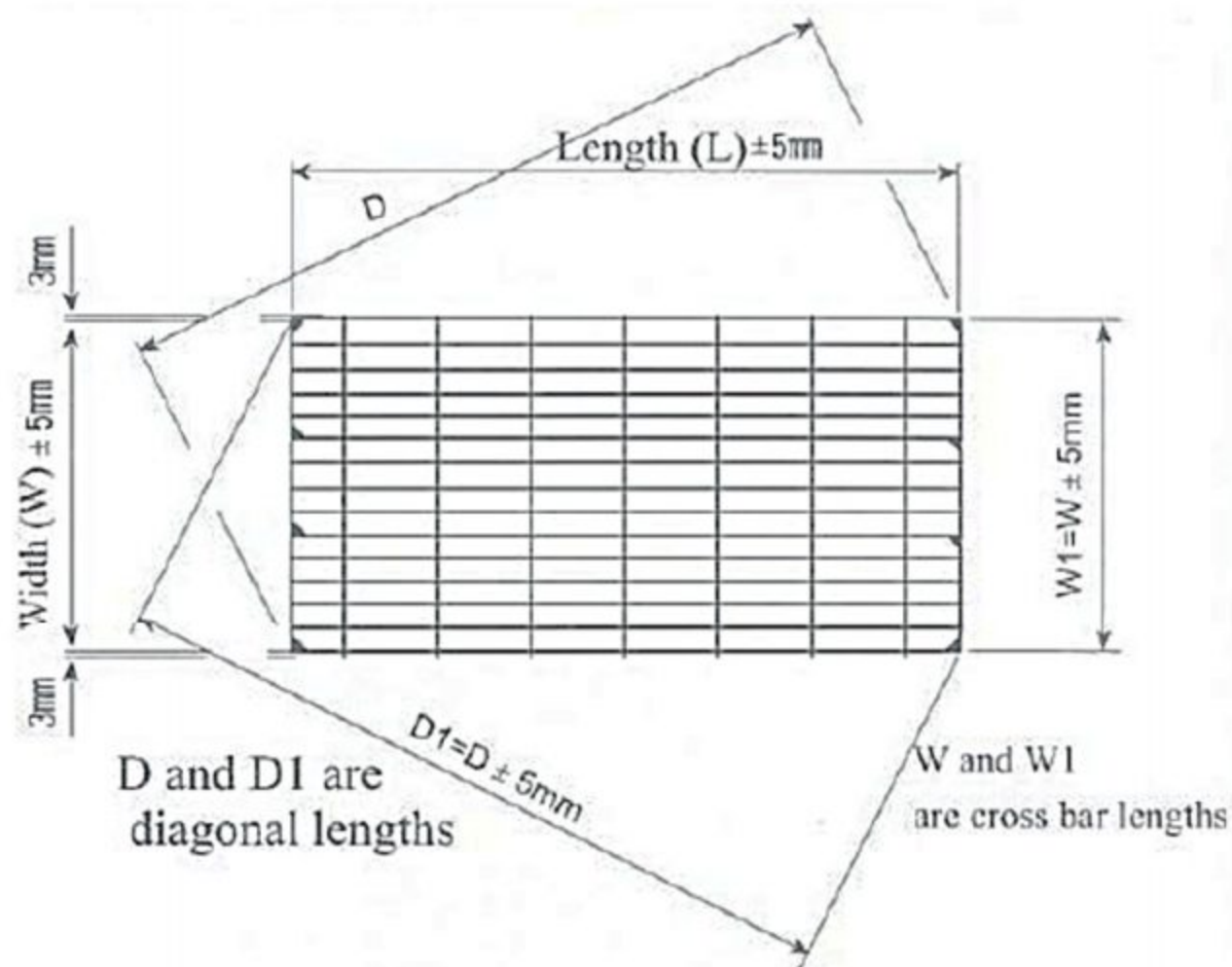




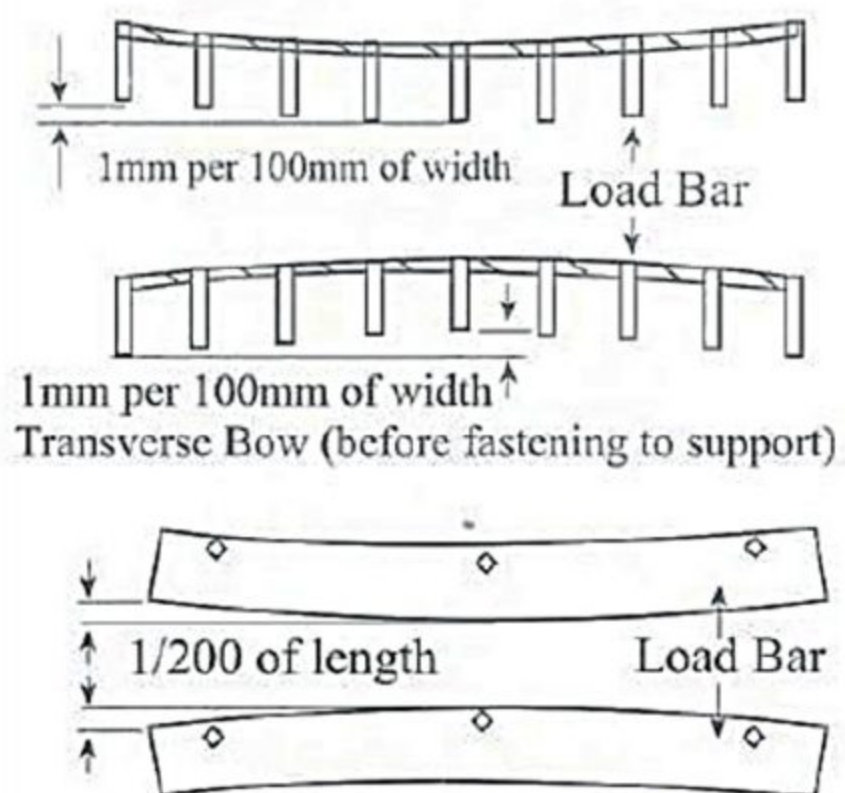
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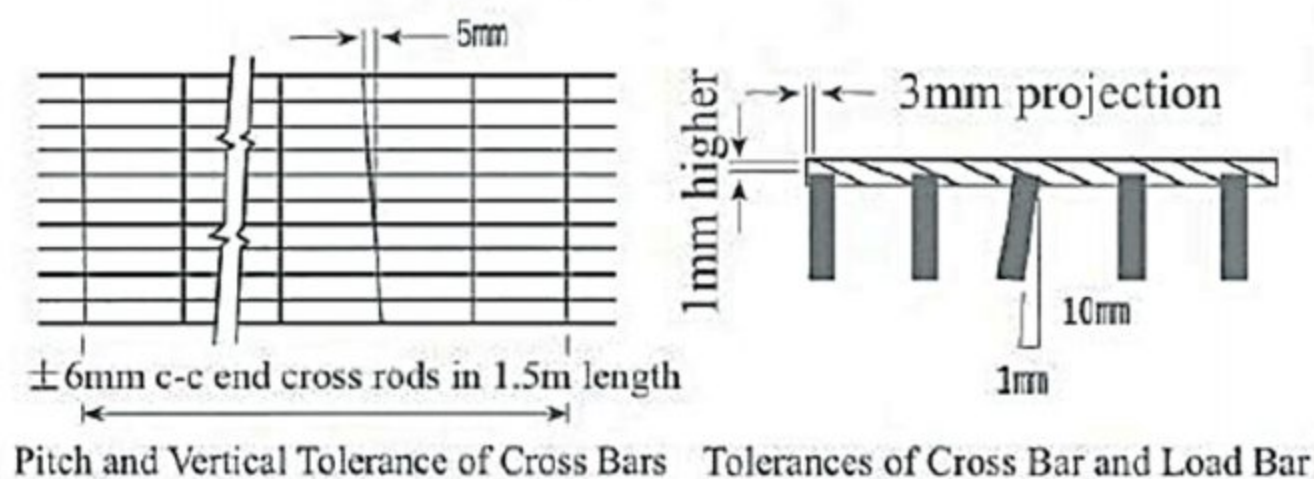




Tolerance of External Dimension



Longitudinal Bow





1. excellent force transfer in horizontal direction and material saving
2. ensure clean, even and smooth surface, adding artistic beauty to appearance
3. diversified loading bar and insert pitches can satisfy various needs of customers
4. enjoy the same loading capacity and mesh pattern with the electroformed welded grating
5. possessing other advantages which electroformed welded grating have

Application : Working and maintenance passage ,Vehicle passage, Platform, Parking spot, Fence , Drainage cover Shelf, Sunscreen shield, Building ceiling

STAINLESS STEEL GRATINGS

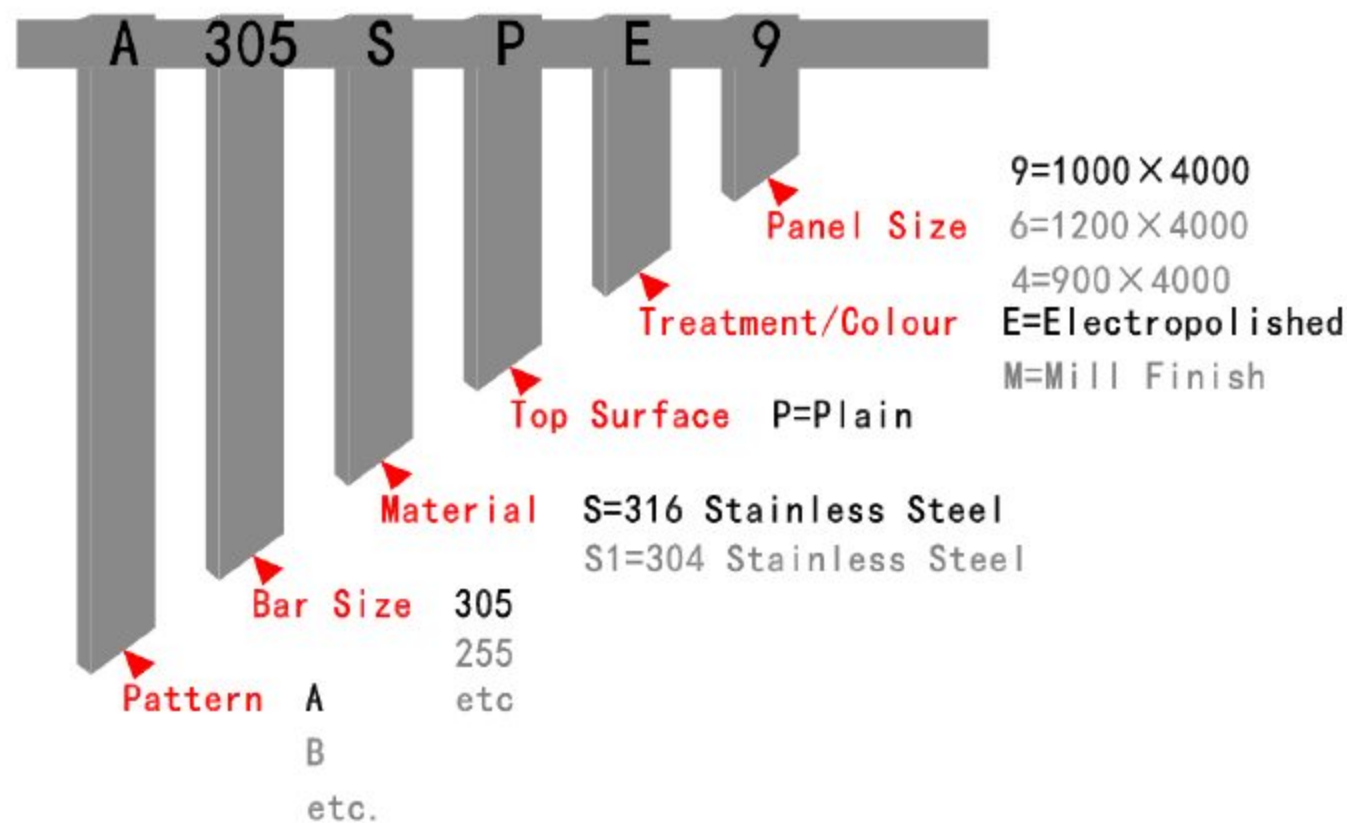
Material: ATSM A240 GR316 or 304.

Surface Treatment /Colour: S Standard Finish E Electro Polished M Mill Finish

Panel Size: As dictated by the availability of the raw material flat bar, usually 4,000mm span.

Panel sizes are nominal. Dimensions will vary slightly according to load bar thickness and the pattern.

Stainless Steel Grating





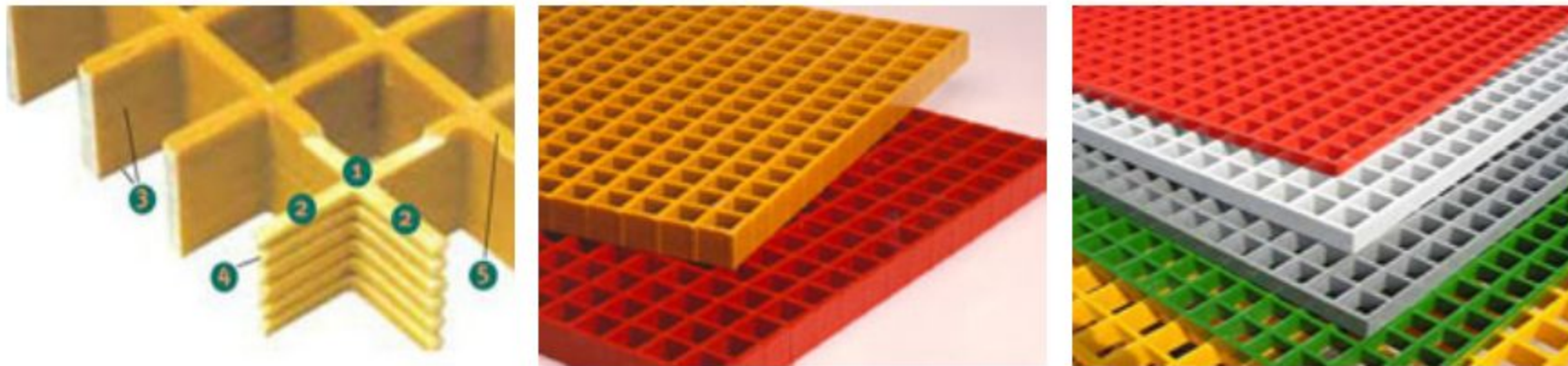
FIBER REINFORCED PLASTIC (FRP) GRATINGS

Fiber Reinforced Plastic (FRP) grating is a moulded, one piece fiberglass reinforced plastic grating, available in standard panels or fabricated into panels of the shape you require to fit your floor.

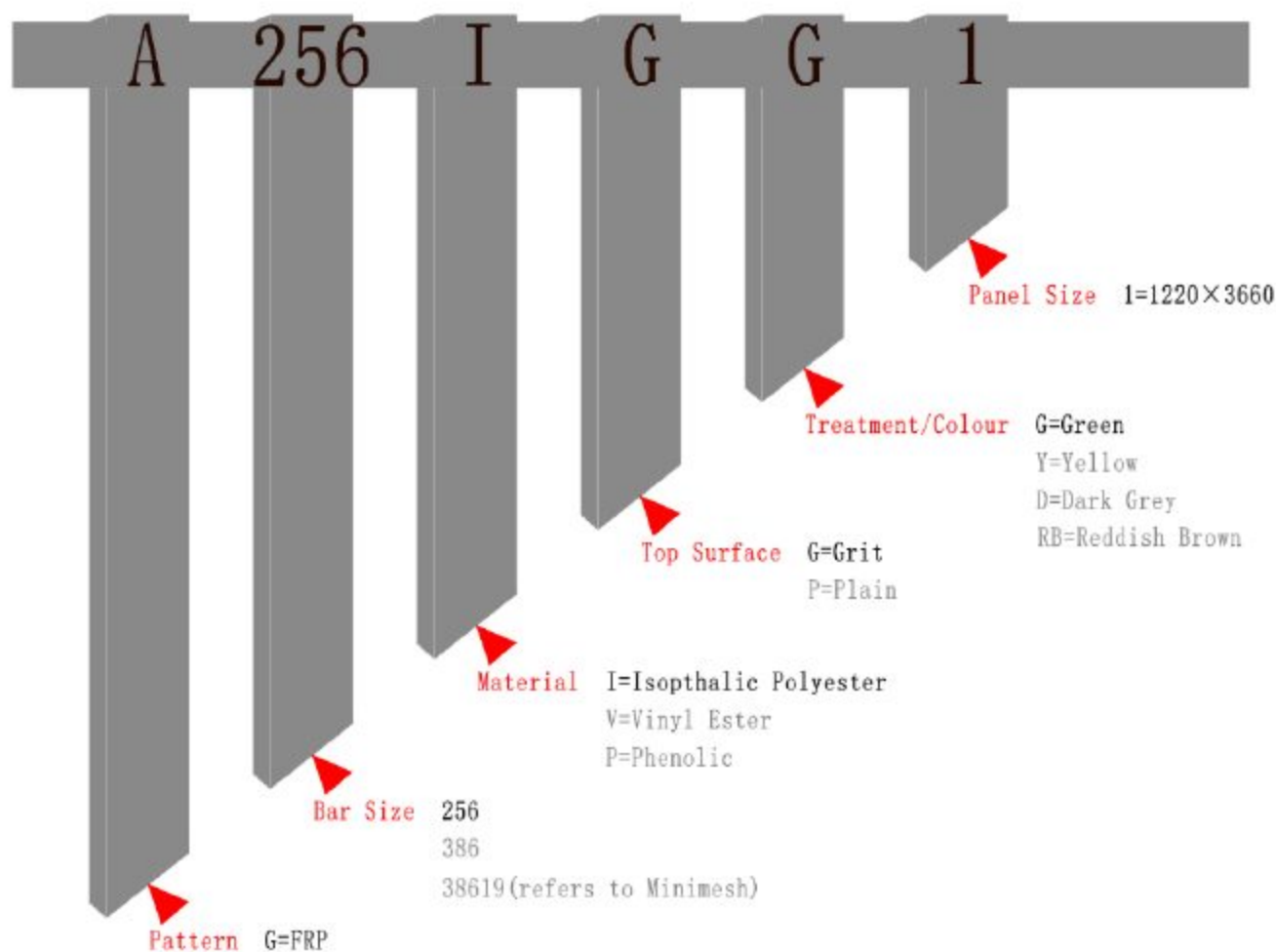
The square pattern design with interwoven construction allows load to be transferred to the adjoining bars providing a superior load-carrying capacity.

The high resin-to-glass ratio provides maximum corrosion resistance to a wide range of chemicals frequently encountered in many industries.

Wellter FRP comes in one standard panel size 1220 x 3660 mm.



FRP Grating



Features/Benefits

1. Integral, one piece construction increases load-bearing capabilities.
2. Load applied to Wellter FRP bar is transferred to adjoining bearing bars, assisting in load distribution on the grating as well as on the support structure.
3. Smooth resin-rich vertical surfaces and tapered bars allow all debris to fall through.
4. Continuous glass fibre strand in alternating layers thoroughly wetted with the appropriate resin for excellent corrosion resistance.
5. Open area 70%.



Material

Isophthalic Polyester Resin (I) ASTM E-84 Fire Rating Class 1, 25 or less

Vinyl Ester Resin (V) ASTM E-84 Fire Rating Class 1, 25 or less

Phenolic Resin (P) ASTM E-84 Fire spread index 4, smoke developed value 1

Meets Class Flammability per ASTM E-84

Class interior wall & ceiling finish per NFPA No. 255

Available only in 38mm deep, on request.

Top Surface

FRP grating is provided with an antiskid (G) surface as standard.

This is a coarse grit that is embedded into the top surface of the grating.

A plain top surface is available on request.

Treatment/Colour

Available in a variety of colours. We recommend : Isophthalic Polyester Resin - Green

Vinyl Ester Resin – Yellow, Phenolic Resin - Reddish Brow

Panel Size

The standard range of panel size is 1220x3660mm

