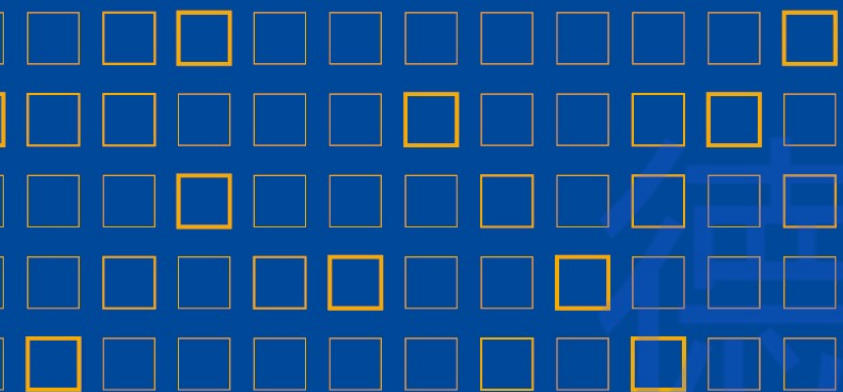




PULTRUDED GRATINGS / PULTRUDED PROFILES
MOLDED GRATINGS

DRAYSON

NANTONG DRAYSON COMPOSITE MATERIAL CO.,LTD

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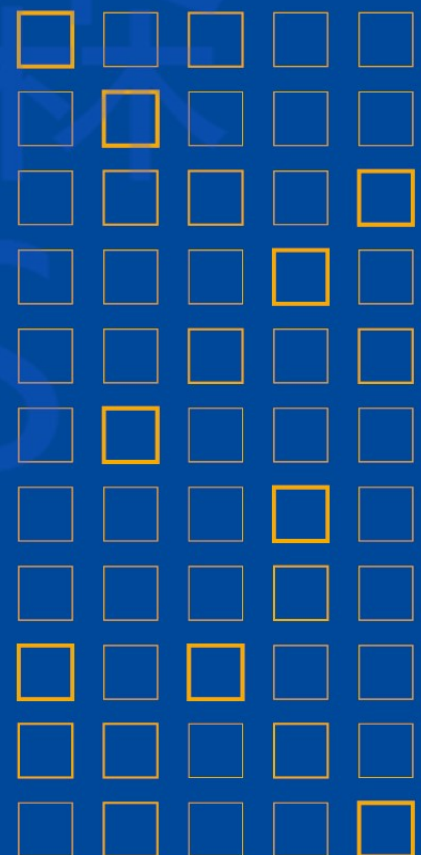
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NANTONG DRAYSON COMPOSITE MATERIAL CO.,LTD

DESIGN AND PRINTING: WWW.INCEBRAND.COM

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PULTRUDED GRATINGS
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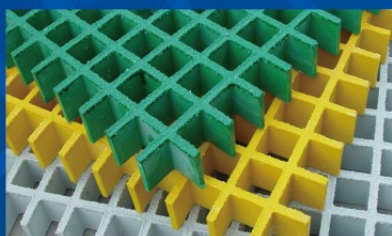
LEADING MANUFACTURER OF FRP GRATING AND PROFILES



NANTONG DRAYSON
COMPOSITE MATERIAL CO.,LTD

**WALKWAY TO FUTURE,
WE WALK TO SUCCESS**

- / FACTORY PRICE
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COMPANY BRIEF

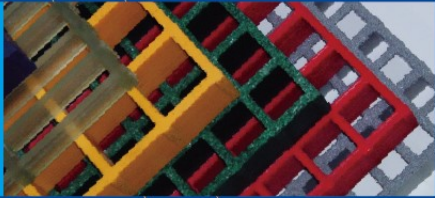
NANTONG DRAYSON
COMPOSITE MATERIAL CO.,LTD

Nantong Drayson Composite Material Co., LTD is a leading professional manufacturing plant specially engaged in FRP products, includes FRP molded gratings, FRP pultruded grating, FRP pultruded profile and so on. Nowadays FRP products are widely used in chemical plants, construction engineering, water treatment plants, automobile after-sales service centers, electronic industry, and petrochemical engineering.

Our company is located in the Yangtze River Delta, near Nantong port, just one hour to drive to Shanghai Port. The convenient transport makes the delivery of raw material and export products much more easier. All our products have been certificated by ISO 9001 International Standard Quality System and ASTM E-84. Now our company has become one of the most reliable FRP suppliers in China, with higher production volume, more advanced equipment as well as the stable quality, the products are now pretty much popular in Hong Kong, Japan, America, Southeast Asia and other countries and regions.

"perfect quality and customized service" is the policy we are always and constantly stick to. With an experienced R&D team, we are enormously confident of the continual development of our products. So please feel free to contact with us for we believe that in the near future, we may become very good cooperative corporations.

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MATERIAL INTRODUCTION

RESIN

Resin type	Resin base	Description	Corrosion resistance	Flame spread Rating ASTM E 84	Colors available
VEFR-25	Vinyl ester	Superior corrosion resistance and retardant	Excellent	Class 1.25 or less	Dark gray, orange
VEFR-10	Vinyl ester	Superior corrosion resistance and enhanced retardant	Excellent	Class 1.10 or less	Dark,gray
IFR-25	Vinyl ester	Industrial grade corrosion resistance and fire retardant	Very good	Class 1.25 or less	Dark gray, Green
IFR-10	Isophthalic polyester	Industrial grade corrosion resistance and extra fire retardant	Very good	Class 1.10 or less	custom
OFR-30	Isophthalic polyester	Food grade corrosion resistance and fire retardant	Very good	Class 1.25 or less	Light gray, light green
OFR-25	Ortho	Moderate corrosion resistance and fire retardant	Moderate	Class 1.25 or less	Green, yellow light gray, dark gray
MP-5	Phenolic resin	Low smoke and superior fire resistance	Very good	Class 1.5 or less	Reddish-brown, phenolic painting of the grating can be performed to obtain a gray or red finish
O-CR	Ortho	Moderate corrosion resistance	Moderate	No	Green, yellow light gray, dark gray

FIBERGLASS TYPE

Code	Roving Type	Application Situation
E	E-glass roving	high strength and high corrosion resistance requirement
C	C-glass roving	More economical than E-glass roving, has less strength, but Better in acid resistance

FILLING

Code	Roving Type	Application Situation
ATH	Aluminum hydroxide	Flame retardant, smoke suppression, corrosion resistance situation
CAO	Calcium carbonate	More economical than ATH, suitable for no flame retardant requirement
PR	No filling	high corrosion resistance requirement situation

MOLDED GRATINGS

Molded FRP grating is composed of alternating directional layers of continuous glass fiber for strength, with resin to consolidate the fibers and provide the shape and corrosion-resistance. Due to its bidirectional strength, molded grating can tolerate cutouts in the panel to allow pipe or equipment penetrations without requiring additional support around the opening. Molded grating has very high impact tolerance, as well as the highest chemical resistance of any fiberglass grating. It can be made slip-resistant by adding grit to the surface.

MOLDED GRATING ADVANTAGE

Properties	
Light Weight, High Strength	Low Density (about 1.8), 1/4 of steel ,2/3 of aluminum.Specific strength is superior to ordinary carbon steel. Anti-creeping. Impact endurance.
Safety	Good performance of electric insulation. 10KV no voltage breakdown. No electro-magnetic behavior. No electric spark. Oxygen index≥32, Anti-fire and Pass test of ASTM-E84.
Anti-Corrosion	No rust, resistance to acid, alkali, organic dissolvent and other gas and liquid mixture. It has predominant advantages in anti-corrosion field.
Anti-skid	Different process mode on surface, concave, gritted, increase friction factor. Have good anti-skid function.
Anti-aging	Have more than 20 years effective service life under normal outdoor working condition.
Anti-fatigue	Moderate flexibility reduces the workers' pressure on legs and waist which is more comfortable.
Attractive appearance & easy maintenance	have alternative and bright colors. Non-fading. Easily for clean.
Excellent economic benifits	Excellent comprehensive economic benefits

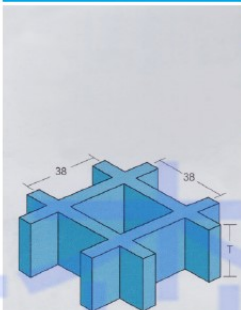
APPLICATION INDUSTRY

FLOORING/WALKWAY/PLATFORM/TRENCH COVER/FENCE

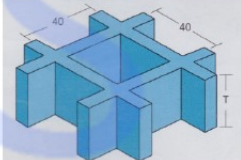
-  CONSTRUCTION MATERIAL
-  SEWAGE TREATMENT
-  PETRO CHEMICAL INDUSTRY
-  ELECTRONIC INDUSTRY
-  FOOD PROCESSING
-  MUNICIPAL ENGINEERING
-  SHIPBUILDING INDUSTRY

MOLDED GRATING SPECIFICATIONS

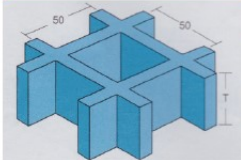
38×38

Legend	thickness (mm)	Bar thickness (top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m²)	Open Rate (%)
	13	6.0/5.0	38×38	1220×3660, 1220×4000, 1220×2440, 921×3055, 1264×4010	6.0	78
	14	6.0/5.0	38×38	1220×3660, 1220×4000, 1220×2440, 921×3055, 1264×4010	6.5	78
	15	6.0/5.0	38×38	1220×3660, 1220×4000, 1220×2440, 921×3055, 1264×4010	7.0	78
	20	6.0/5.0	38×38	1220×3660, 1220×4000, 1524×4010, 997×3012	9.8	65
	25	6.0/5.0	38×38	1220×3660, 1226×4010, 1530×4010, 921×3055, 1524×4000, 997×3012	12.3	68
	30	6.0/5.0	38×38	1220×3660, 1220×4010, 921×3055, 1524×4010	14.6	68
	38	7.0/5.0	38×38	1220×3660, 1220×4010, 2100×4240, 998×4010, 1220×2440, 921×3055, 1530×4010, 1530×3050, 1000×4000, 1226×3665	19.5	68
	50	9.5/7.5 heavy duty	38×38	1220×4010, 1220×3666, 1230×4010, 1220×2440, 921×3055	42	56
	60	10.5/8.5 heavy duty	38×38	1230×4010	50.4	54
	70	11.0/9.0 heavy duty	38×38	1230×4010	58.8	49

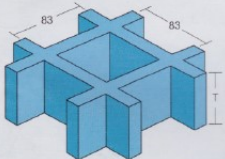
40×40

Legend	thickness (mm)	Bar thickness (top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m²)	Open Rate (%)
	25	7.0/5.0	40×40	1007×3007, 1007×4007, 1247×4047, 1527×4047	12.3	67
	30	7.0/5.0	40×40	1527×4047, 1007×3007, 1247×4047	14.6	67
	38	7.0/5.0	40×40	1527×4047, 1247×4047, 1007×3007, 1007×4047	19.2	67
	40	7.0/5.0	40×40	1527×4047, 1007×3007, 1007×4047, 1247×4047	19.5	67

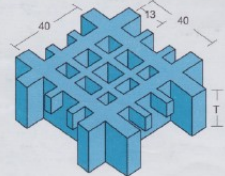
50×50

Legend	thickness (mm)	Bar thickness (top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m²)	Open Rate (%)
	15	6.0/5.0	50×50	1228×4020, 1220×3660, 1220×2440	5.9	82
	40	6.8/5.0	50×50	1787×4530, 1225×4530	17.2	80
	25	7.0/6.0	50×50	1220×3660, 1226×4020, 1220×2440, 915×3050	11.5	78
	50	8.0/6.0	50×50	1524×4000, 1220×3660, 1220×2440, 1220×4000, 915×3050, 1532×4020	23.7	78

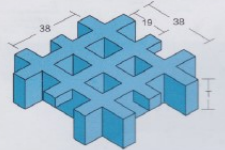
83×83

Legend	thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m ²)	Open Rate (%)
	38	7.0/5.0	83×83	1007×4007, 1007×3007, 1007×4255	10.0	84
	40	7.0/5.0	83×83	1007×4007, 1007×3007, 1007×4255	11.0	84

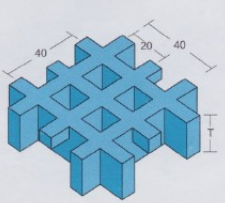
13×13/40×40 micro mesh

Legend	thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m ²)	Open Rate (%)
	25	6.5/4.5/5.0	13×13 40×40	1247×4047, 1007×3007, 1007×4047, 1530×4047	17.8	30
	30	6.5/4.5/5.0	13×13 40×40	1527×4047, 1247×4047, 1007×3007, 1007×4047	19.1	30
	38	6.5/4.5/5.0	13×13 40×40	1527×4047, 1247×4047, 1007×3007, 1007×4047	23.8	30

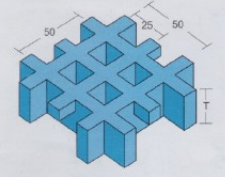
19×19/38×38 mini mesh

Legend	thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m ²)	Open Rate (%)
	25	6.5/5.0	19×19 38×38	1220×3660, 1220×2440, 921×3055, 1226×4007, 1268×4047	16.8	30
	30	6.5/5.0	19×19 38×38	1220×3660, 1220×2440, 921×3055, 1220×4000, 1530×4047	18.8	30
	38	6.5/5.0	19×19 38×38	1220×3660, 1220×2440, 921×3055, 1220×4000, 1226×4010	23.5	30

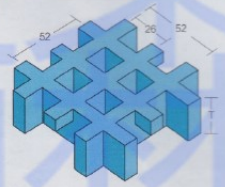
20×20/40×40 mini mesh

Legend	thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m ²)	Open Rate (%)
	14	6.0/5.0	20×20 40×40	1247×4047, 1007×3007	10.5	42
	22	6.0/5.0	20×20 40×40	1247×4047, 1007×3007, 1527×4047	14.8	42
	25	6.0/5.0	20×20 40×40	1247×4047, 1527×4047	16.8	42
	30	7.0/5.0	20×20 40×40	1007×4047, 1007×3007, 1247×4047, 1527×4047	18.3	42
	38	7.0/5.0	20×20 40×40	1007×4047, 1007×3007, 1247×4047, 1527×4047	23.2	42
	40	7.0/5.0	20×20 40×40	1007×4047, 1007×3007, 1247×4047, 1527×4047	23.7	42

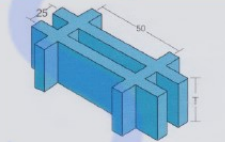
25×25/50×50 mini mesh

Legend	thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m ²)	Open Rate (%)
	50	8.0/6.0	25×25 50×50	1530×4020	28.5	55

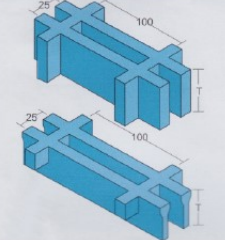
26×26/52×52 mini mesh

Legend	thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m ²)	Open Rate (%)
	30	7.0/6.0	26×26 52×52	1530×4000, 1532×4050	15.3	60
	38	6.0/5.0	26×26 52×52	1517×4015	19.5	60

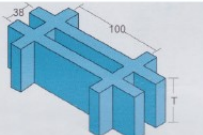
25×50

Legend	thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m ²)	Open Rate (%)
	38	11.0/9.0 heavy duty	25×50	1220×1835	30.7	48
	50	12.0/9.0 heavy duty	25×50	1220×1835	41.8	48

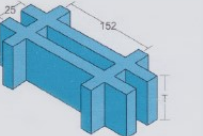
25×100/100×25

Legend	thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m ²)	Open Rate (%)
	25	7.0/5.5	100×25	1007×3007, 1007×4007, 1500×4028	13.0	67
	25	7.0/5.0	25×100	1220×3660, 915×3050	13.83	67
	25	9.5/8.0 heavy duty	100×25	1220×3660, 1220×2440, 915×3050	19.5	52
	30	7.0/5.5	100×25	1007×3007, 1007×4007	15.6	67
	38	8.0/6.0	100×25	1220×3660	22.8	62
	38(T-shape)	15.0/5.0	25×100	1220×3660, 1225×4170	21	62

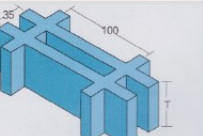
100×38

Legend	thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m ²)	Open Rate (%)
	38	8.0/6.0	100×38	1226×3665, 1530×4047, 921×3050	16.4	65

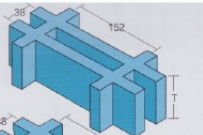
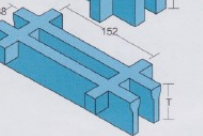
25×152

Legend	thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m ²)	Open Rate (%)
	38	8.0/6.5	25×152	1220×3660, 1220×2440, 1220×4124, 921×3050	22.8	63

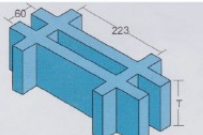
100×35

Legend	thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m ²)	Open Rate (%)
	38	7.0/5.0	100×35	1407×4277, 2407×2982	15	63

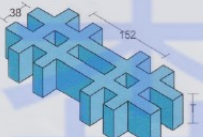
152×38

Legend	thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m ²)	Open Rate (%)
	38	8.0/6.0	152×38	1220×3660, 1220×2440, 915×3050	15.92	67
	38 (T-shape)	15.0/8.0	38×152	1500×3660	19	62

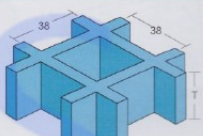
60×223

Legend	thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m ²)	Open Rate (%)
	40	6.3/6.5	60×223	1788×2238, 1788×4250	9.0	67

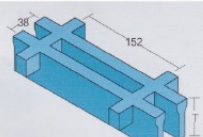
38×152

Legend	thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m ²)	Open Rate (%)
	38 stair treads	7.0/5.0	38×152	580×3660, 580×4120	17	65

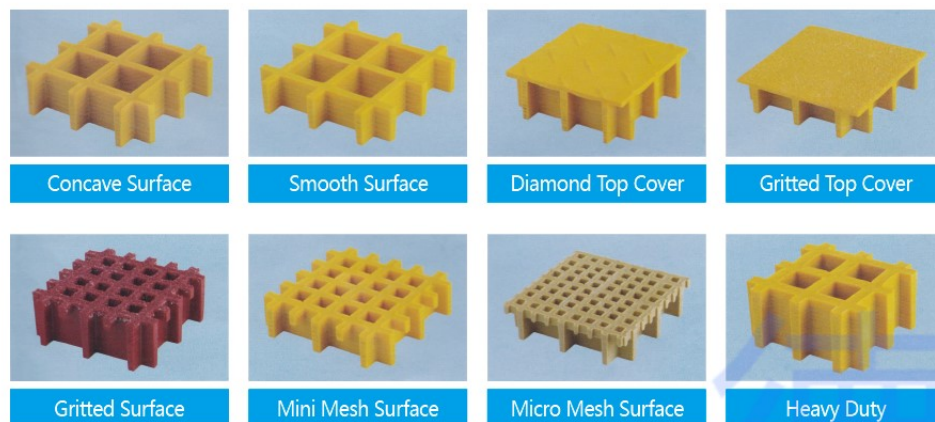
38×38 Phenolic grating

Legend	thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m ²)	Open Rate (%)
	38	7.0/5.0	38×38	1220×3660, 1416×3660, 1416×4010	19.5	68

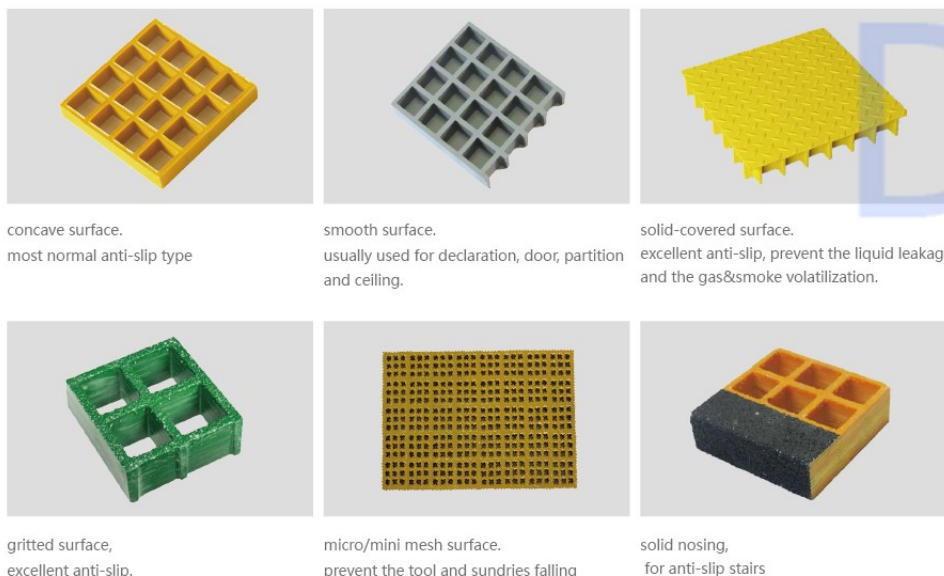
38×152 Phenolic grating

Legend	thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	panel Size available (mm)	Weight (kg/m ²)	Open Rate (%)
	38 (T-shape)	15.0/8.0	38×152	1500×3660	19.0	62

SURFACES



SURFACE APPLICATION SUGGESTION



Chemical resistance chart of molded grating

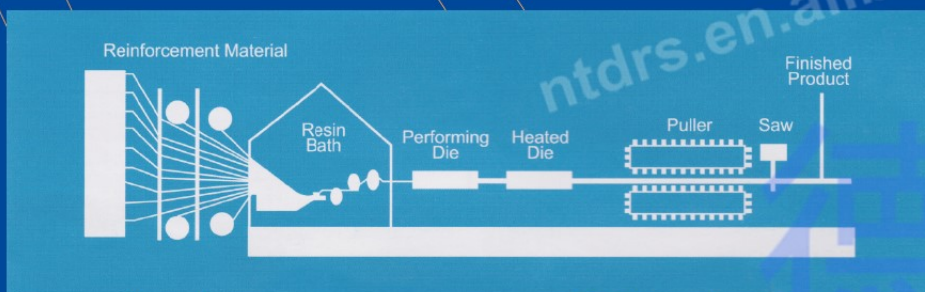
Chemical	Description			
	%Conc.	Type 'vinyl'	Type 'Iso'	Type 'Ortho'
Hydrochloric acid	30	82	65	65
Nitric acid	35	38	N/R	N/R
Suiphuric acid	25	82	65	65
Hydrofluoric acid	10	24	N/R	N/R
Lactic acid	100	82	65	60
Hypochlorous acid	SAT	60	N/R	N/R
Citric acid	ALL	49	N/R	N/R
Potassium hydroxide	10	49	N/R	N/R
Sodium hydroxide	10	82	N/R	N/R
Calcium hydroxide	25	82	65	65
Calcium hypochloride	25	82	65	65
Ferric chloride	100	82	65	65
Aluminium chloride	ALL	82	65	65
Mercuric chloride	100	82	65	65
Silver nitrate	100	82	65	65
Sodium salt	ALL	24	N/R	N/R
Zinc chloride	ALL	24	24	24
Acetone	100	124	N/R	N/R
Chloroform	100	N/R	N/R	N/R
Fuel	ALL	38	38	38
Nantokite	ALL	82	65	65
Phenols	10	24	N/R	N/R
Ozone	ALL	38	38	38
Bleaching liquid	ALL	82	N/R	N/R
Ammonium hydroxide	30	24	N/R	N/R
Ammonium salt	ALL	24	N/R	N/R
Black sewage	ALL	82	N/R	N/R
Cupric oxide	ALL	52	52	52
Glycol	100	82	65	65
Sulfur dioxide	SAT	82	65	65
Sodium phosphate	50	82	N/R	N/R
Water	100	82	65	65
Alum	ALL	82	65	65
Chlorine water	SAT	49	N/R	N/R

ALL-concentrations; SAT-saturated solution; N/R- not recommended; ... - no information available

PULTRUDED GRATINGS

Drayson pultruded gratings

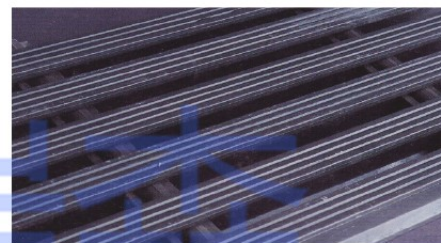
Pultruded FRP grating consists of continuous glass strands encased in resin and wrapped in a surfacing veil which protects the fibers and allows resin to saturate the outermost part of the bar as well as penetrate between the glass fibers. This ensures a smooth and corrosion-resistant surface, with a higher glass/resin ratio than molded products. The individual bars are then assembled using two-piece cross bars and epoxy to mechanically join the load bars. Pultruded grating has unidirectional strength, with its much higher glass content resulting in a greater span capability than molded products. This product is usually specified in applications requiring larger spans or heavier loading.



Drayson pultruded gratings is light-weight, strong, anti-fire chemical and UV resistant, and reduces costly maintenance. Drayson pultruded is well suited for highly corrosive environments and offers extended life, eliminating periodic maintenance and extra cost, which is good alternative compared to steel gratings.



Surfaces



Corrugated Surface



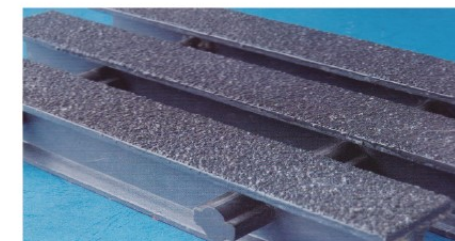
Gritted Top Cover



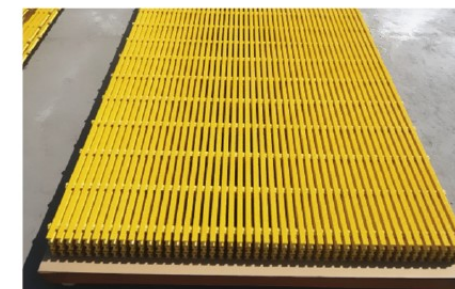
- ◆ Anti-fire
- ◆ Anti-corrosion and anti-aging
- ◆ Anti-slippery
- ◆ Light but high loaded strength
- ◆ Long service life and maintenance free
- ◆ Non-conduction or magnetic
- ◆ Easy installation and rich colors
- ◆ Various sizes and colors available



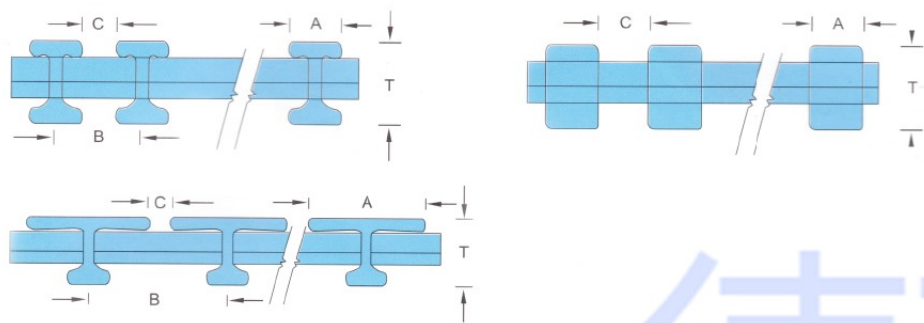
Smooth Surface



Gritted Surface



Drayson pultruded gratings in details



Type	Height inch (mm)	Top edge width (mm)	Space between (mm)	Clearance width (mm)	Open area (%)	Estimated weight kg/m ²
I-4010	25	15	25	10	40	17.8
I-5010	25	15	30	15	50	15.1
I-6010A	25	15	38	23	60	12.2
I-6010B	25	8	19.8	11.8	60	13.7
I-4015	38	15	25	10	40	22
I-5015	38	8	30	15	50	19.1
I-6015	38	15	38	23	60	16.2
I-4012	30	15	25	10	40	19.1
I-5012	30	15	30	15	50	16.1
I-6012	30	15	38	23	60	13.1
I-40125	32	15	25	10	40	19.8
I-50125	32	15	30	15	50	17.4
I-60125	32	15	38	23	60	13.5
I-4020	50	15	25	10	40	28.5
I-5020	50	15	30	15	50	24.2
I-6020	50	15	38	23	60	20.1
T-1210	25	38	43.4	5.4	12	17.9
T-1810	25	38	50.8	9.5	18	13.8
T-2510	25	38	50.8	12.7	25	13.6
T-3310	25	41.3	19.7	61	33	11.2
T-3810	25	38	61	23	38	11.8
T-1215	38	38	43.3	5.2	12	19.6
T-2515	50	38	50.8	12.7	25	16.7
T-3815	50	38	61	23	38	14.2
T-3320	50	25.4	38.1	12.7	33	21.7
T-5020	50	25.4	50.8	25.4	50	17.2
HL-4020	50	15	10	10	40	62.8
HL-5020	50	15	15	15	50	52.2
HL-6020	50	15	23	23	60	43.5

Chemical resistance chart of Pultruded grating

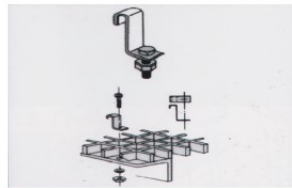
Chemical	Type 'vinyl'		Type 'Iso'	
	%Conc.	Max.Oper.Temp	%Conc.	Max.Oper.Temp
Acetic acid	50	180/82	50	125/52
Benzonic acid	SAT	200/93	SAT	150/66
Chromate	10	120/49	5	70/21
Citric acid	ALL	200/93	ALL	170/77
Hydrobromic acid	50	120/49	50	120/49
Hydrochloric acid	37	100/38	37	75/24
Lactic acid	ALL	200/93	SAT	170/77
Nirate	20	100/38	20	70/21
Oxalic acid	ALL	120/96	ALL	75/24
Perchloric acid	30	80/27	N/R	N/R
Phosphate	100	200/93	100	120/49
Sulfuric acid	75	100/38	25	75/24
Tartaric acid	ALL	200/93	ALL	170/77
Vineger	100	200/93	100	170/77
Ammonium hydroxide	28	100/38	28	N/R
OH	100	170/77	100	160/71
borax	SAT	200/93	SAT	170/77
oxidation	ALL	190/88	ALL	170/77
bicarbonate	50	150/65	15	125/52
sulfate	ALL	200/93	ALL	170/77
Calcium carbonate	ALL	180/82	SAT	170/77
Cacium nitrate	ALL	200/93	ALL	180/82
Copper chloride	ALL	200/93	ALL	170/77
Copper cyanide	ALL	200/93	ALL	170/77
Copper nitrate	ALL	200/93	ALL	170/77
Ferric chloride	ALL	200/93	ALL	170/77
Ferrous chloride	ALL	200/93	ALL	170/77
Lithium chloride	SAT	200/93	SAT	150/66
Magnesium chloride	ALL	200/93	ALL	170/77
Magnesium nitrate	ALL	180/82	ALL	150/66
Magnesium sulfate	ALL	190/88	ALL	170/77
Mercuric chloride	100	190/88	100	150/66
Calomel	ALL	180/82	ALL	140/60
Nickel sulfate	ALL	200/93	ALL	170/77
Potassium chloride	ALL	200/93	ALL	170/77
Potassium dichromate	ALL	200/93	ALL	170/77
Potassium nitrate	ALL	200/93	ALL	170/77
Potassium sulfate	ALL	200/93	ALL	170/77
Sodium acetate	ALL	200/93	ALL	170/77
Sodium bisulfate	ALL	200/93	ALL	160/71
Sodium bromide	ALL	200/93	ALL	170/77
Sodium chlorine	ALL	200/93	ALL	170/77
Sodium cyanide	25	150/66	N/R	N/R
Sodium nitrate	ALL	200/93	ALL	170/77
Sodium sulfate	ALL	200/93	ALL	170/77
Stannic chloride	ALL	200/93	ALL	170/77

Chemical resistance chart of Pultruded grating

Chemical	Type 'vinyl'		Type 'Iso'	
	%Conc.	Max.Oper.Temp	%Conc.	Max.Oper.Temp
Zinc nitrate	ALL	190/88	ALL	160/71
Phenoxin	100	200/93	N/R	170/77
Chlorine	-	75/24	-	N/R
Chlorine water	SAT	170/77	SAT	140/60
Ethanol	50	180/82	50	80/27
Diethylene glycol	100	90/32	100	75/24
formaldehyde	ALL	200/93	50	90/32
gasoline	100	100/38	100	75/24
glucose	100	150/65	100	80/27
GlycerolPeroxide	100	200/93	100	170/77
Peroxide	30	200/93	5	150/66
Diethylpropanediol	ALL	100/38	ALL	100/38
Distilled water	100	200/92	100	170/77
Benzene	N/R	180/82	N/R	170/77

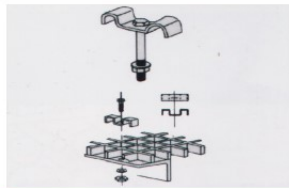
ALL-concentrations; SAT -saturated solution; N/R-not recommended; ...-no information available

MORE SURFACE PRODUCTS



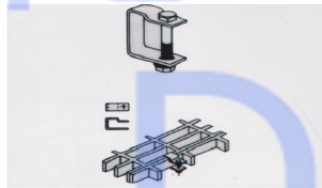
L

Connect the special position between the grating and support structure.



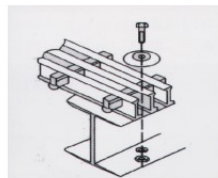
M

Connect the special position between the grating and support structure.

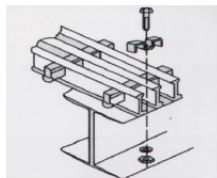


C

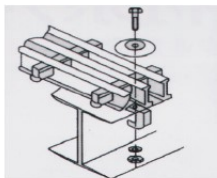
Connect the edge of two gratings and make them a integrity.



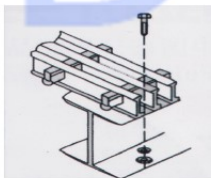
WP



MP



GP



PP

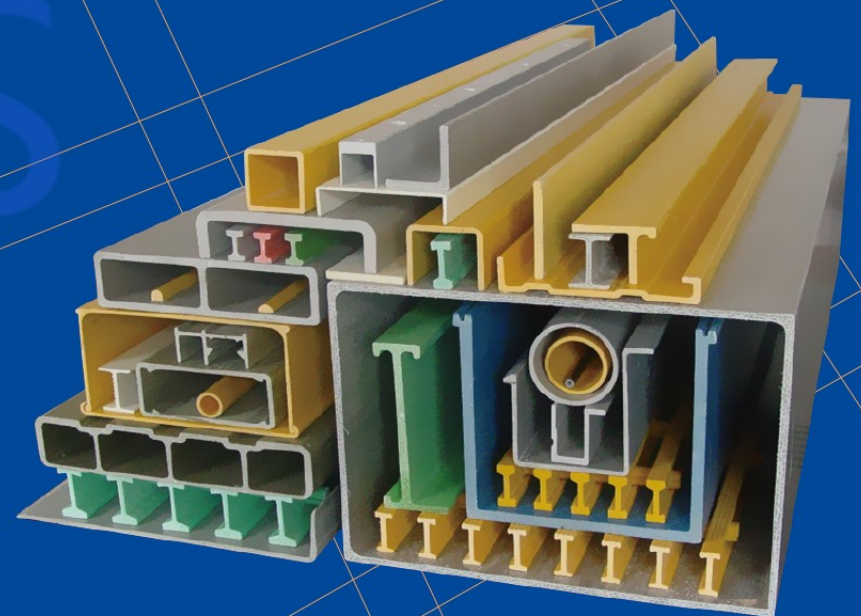
Tips: we supplier all the Fastening parts for frp gratings in ss316, include: clips, Bolt and nut gasket

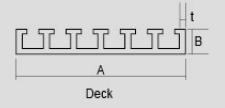


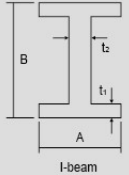
PULTRUDED PROFILES

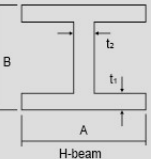
Fiberglass pultruded profiles (structural shapes) are manufactured with the pultrusion process. Glass mat and roving are draw through resin bath and through a heated die to form the desired shape.

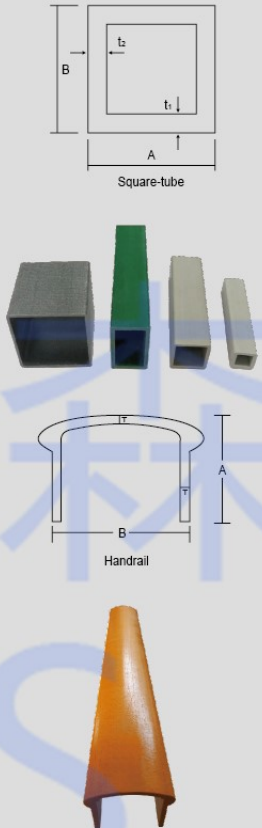
Drayson pultruded profiles are available in a wide variety of shapes, including I beam, equal angle, channel, square tube, round tube, and so on. They are dimensionally stable and easy to install.

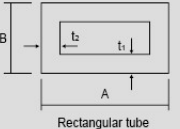


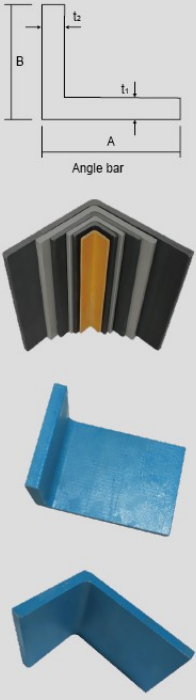
View/instance	Type	Dimension (mm)	Weight(kg/m)
 Deck	Deck	$A \times T_1 \times B \times T_2$	
		305×6.4×47.5×6.4	8.5
		500×5.0×18.5×6.4	12.0
 Floor plate	Floor plate	$A \times B \times T$	
		605×3.2×28.7×5.0	5.8
		650×98.5×13	55.3
		725×45×4.5	17.5

View/instance	Type	Dimension (mm)	Weight(kg/m)
 I-beam	I-beam	$A \times B \times T_1 \times T_2$	
	IB25	15×25×6.4×4.0	0.40
	IB32	15×32×6.4×4.0	0.44
	IB38A	15×38×4.0×6.4	0.51
	IB38B	15×38×3.0×3.0	0.53
	IB45A	45×180×12.0×9.0	5.20
	IB45B	45×180×12.7×12.7	6.00
	IB50A	50×102×6.4×6.4	2.40
	IB50B	50×102×8.0×8.0	3.00
	IB60B	60×180×6.4×6.4	3.60
	IB76A	76×152×6.4×6.4	3.59
	IB76B	76×152×9.5×9.5	5.32
	IB102A	102×203×9.5×9.5	7.20
	IB102B	102×203×12.7×12.7	9.50
	IB120	120×240×12×12	10.50
	IB127A	127×254×9.5×9.5	9.00
	IB127B	127×254×12.7×12.7	11.90
	IB127C	127×152×9.5×9.5	7.10
	IB127D	127×152×12.7×12.7	9.20
	IB152A	152×305×9.5×9.5	10.74
	IB152B	152×305×12.7×12.7	14.30

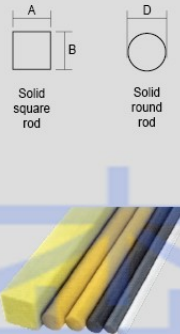
View/instance	Type	Dimension (mm)	Weight(kg/m)
 H-beam	H-beam	$A \times B \times T_1 \times T_2$	
	HB76	15×25×6.4×6.4	2.67
	HB102A	102×102×6.4×6.4	3.59
	HB102B	102×102×8.0×8.0	4.50
	HB152A	152×152×6.4×6.4	5.43
	HB152B	152×152×9.5×9.5	8.10
	HB203A	203×203×9.5×9.5	10.80
	HB203B	203×203×12.7×12.7	14.36
	HB203C	203×203×6.4×6.4	7.50
	HB254A	254×254×9.5×9.5	13.60
	HB254B	254×254×12.7×12.7	18.04
	HB305	305×305×12.7×12.7	21.50

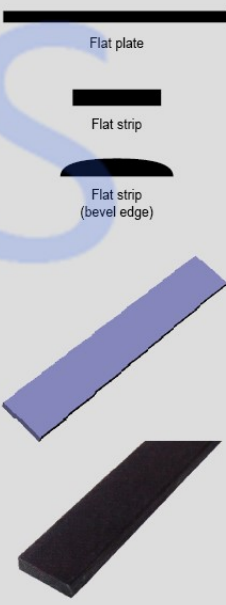
View/instance	Type	Dimension (mm)	Weight(kg/m)
	Square-tube	A×B×T ₁ ×T ₂	
	ST25A	25×25×2.8×2.8	0.50
	ST25B	25×25×3.2×3.2	0.53
	ST25C	25×25×6.4×6.4	0.90
	ST32	32×32×6.4×6.4	1.24
	ST38A	38×38×3.2×3.2	0.85
	ST38B	38×38×5.0×5.0	1.25
	ST38C	38×38×6.4×6.4	1.54
	ST44A	44×44×3.2×3.2	1.01
	ST44B	44×44×6.4×6.4	1.83
	ST50A	50×50×3.2×3.2	1.14
	ST50B	50×50×3.5×3.5	1.24
	ST50C	50×50×4.0×4.0	1.42
	ST50D	50×50×5.0×5.0	1.74
	ST50E	50×50×6.4×6.4	2.12
	ST54A	54×54×3.2×3.2	1.24
	ST54B	54×54×4.8×4.8	1.78
	ST60A	60×60×5.0×5.0	2.10
	ST64A	64×64×3.2×3.2	1.48
	ST64B	64×64×4.4×4.4	1.97
	ST64C	64×64×6.4×6.4	2.80
	ST76A	76×76×3.2×3.2	1.77
	ST76B	76×76×5.0×5.0	2.70
	ST76C	76×76×6.4×6.4	3.39
	ST101A	101×101×5.0×5.0	2.38
	ST101B	101×101×5.0×5.0	3.61
	ST101C	101×101×6.4×6.4	4.61
	ST152A	152×152×6.4×6.4	7.10
	ST152B	152×152×9.5×9.5	10.4
	ST152C	152×152×12.7×12.7	13.5
	STR25	25×25×3.175×3.175	0.7
Handrail	A×B×T		
	62×59×4.5	1.50	
	62×60×5.0	1.70	
Square-tube(Handrail)	A×B×T ₁ ×T ₂		
STH50	50×50×6.4×5.0	3.0	

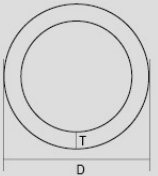
View/instance	Type	Dimension (mm)	Weight(kg/m)
 Rectangular tube	Rectangular tube	$A \times B \times T_1 \times T_2$	
	FT50A	51×25×3.0×3.0	0.79
	FT50B	51×25×6.4×6.4	1.54
	FT51A(stair)	51×25×4.0×4.0	1.01
	FT51B(stair)	51×38×4.0×4.0	1.22
	FT52(stair)	52×32×5.0×5.0	1.41
	FT80	80×60×5.0×5.0	2.5
	FT91A	91×38×4.0×4.0	1.78
	FT112A	112×91×6.4×6.4	4.46
	FT120	120×45×3.0×3.0	2.0
	FT175	175×50×9.0×9.0	7.0

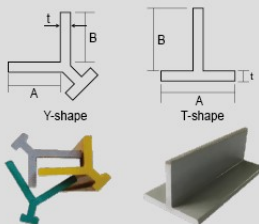
View/instance	Type	Dimension (mm)	Weight(kg/m)
	Angle bar	A×B×T ₁ ×T ₂	
	EL25A	25×25×3.2×3.2	0.33
	EL25B	25×25×6.4×6.4	0.56
	EI30A	30×30×4.0(75°)	0.46
	EI30B	30×30×5.0×5.0	0.57
	EL32	32×32×4.0×4.0	0.42
	EI38A	38×38×5.0×5.0	0.68
	EL38B	38×38×6.4×6.4	0.85
	EL45	45×45×4.8×4.8	0.75
	EL50A	50.8×50.8×3.2×3.2	0.61
	EL50B	50×50×6.4×6.4	1.14
	EL60	60×60×9.0×9.0	1.90
	EL76C	76×76×6.4×6.4	1.77
	EL76D	76×76×9.5×9.5	2.57
	EL76E	76×76×12.7×12.7	3.40
	EL101A	100×101×6.4×6.4	2.50
	EL101B	101×101×8×8	2.95
	EL101C	101×101×9.5×9.5	3.48
	EL101D	101×101×12.7×12.7	4.57
	EL152A	152×152×6.4×6.4	3.62
	EL152B	152×152×9.5×9.5	5.42
	EL152C	152×152×12.7×12.7	7.01
	L40	40×22×4.0×4.0	0.45
	L100	100×50×6.4×6.4	1.80
	L145	145×76×10×10	3.85
	L170	170×76×9.5×9.5	4.40
	L180	180×80×8.0×8.0	3.89
	L254	254×40×6.4×6.4	3.61
	L70(Special)	70×70×24×6.0	3.75

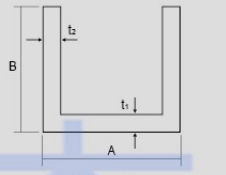
View/instance	Type	Dimension (mm)	Weight(kg/m)
	Corrugated Round Tube	D ₁ ×D ₂ ×T	
	CT32A	19×32×6.4	1.11
	CT32A	19×34×7.5	1.30
	CT32B	25×32×3.5	0.66
	CT42	29×42×6.4	1.35
	CT45A	28×45×8.5	1.86
	CT45B	32×45×6.4	1.10
	CT51	51×36×7.0	1.75
	CT90B	71×90×9.5	5.70

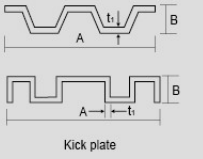
View/instance	Type	Dimension (mm)	Weight(kg/m)
	Solid square rod	A×B	
	SSR25	25×25	1.23
	SSR32	32×32	2.00
	SSR38	38×38	2.80
	Solid round rod	D	
	SRR60	6.5	0.08
	SRR95	9.5	0.14
	SRR127	12.7	0.26
	SRR254	25.4	1.00
	SRR328	31.8	1.51
	SRR380	38.0	2.15
	SPR42	4.2	0.03
	SPR80	8.0	0.10
	SPR16	16	0.41
	SPR19	19	0.55
	SPR20	20	0.62
	SPR22	22	0.72

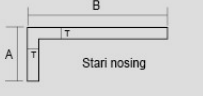
View/instance	Type	Dimension (mm)	Weight(kg/m)
	Flat plate/panel	Thickness×width	
	FP32	3.2×1220	7.42
	FP64	6.4×1220	14.84
	FP95	9.5×1220	22.02
	FP127	12.7×1220	29.44
	FP152	15.2×1220	35.30
	FP190	19×1220	44.10
	Flat strip	Width×thickness	
	FS19	19×6.4	0.25
	FS30A	30×3.0	0.70
	FS30B	30×6.4	0.37
	FS35	35×8.0	0.54
	FS38	38×5.0	0.37
	FS40	40×8.0	0.62
	FS50B	50×4.0	0.38
	FS50C	50×8.0	0.76
	FS50D	50×15	1.43
	FS50E	50×17	1.70
	FS102	102×5.0	0.97
	FS152	152×20	5.90
	FS190	190×15	5.42
	FS280	280×10	5.32
	FS50A(bevel edge)	50×3.2	0.29
	FS60A(bevel edge)	60×3.2	0.36
	FS70(bevel edge)	70×4.0	0.54
	FS90A(bevel edge)	90×3.2	0.54
	FS100(bevel edge)	100×3.2	0.60
	FS120(bevel edge)	120×3.0	0.70

View/instance	Type	Dimension (mm)	Weight(kg/m)
 Round-tube	Round-tube	D×T	
	RT25	25×3.2	0.44
	RT26A	26×3.0	0.42
	RT26B	26×4.8	0.63
	RT32A	32×3.2	0.55
	RT32B	32×5.0	0.81
	RT32C	32×6.0	0.96
	RT38A	38×3.2	0.65
	RT38B	38×4.0	0.81
	RT38C	38×5.0	1.00
	RT38D	38×6.4	1.18
	RT41	41×4.5	0.98
	RT42A	42×3.2	0.70
	RT42B	42×5.0	1.11
	RT42C	42×6.4	1.45
	RT48	48×6.4	1.58
	RT50A	50×3.2	0.84
	RT50B	50×4.0	1.10
	RT50C	50×5.0	1.34
	RT50D	50×6.4	1.67
	RT50E	50×3.5	0.96
	RT50.8A	50.8×6.4	1.70
	RT50.8B	50.8×3.2	0.86
	RT64A	64×3.5	1.26
	RT64B	64×6.4	2.38
	RT75	75×4.2	1.80
	RT76	76×6.4	2.64
	RT89A	89×3.2	1.54
	RT89B	89×5.0	2.51
	RT89C	89×6.4	3.13
	RT99	99×5.0	2.81
	RT101	101×6.4	3.62
	RT114A	114×3.2	2.12
	RT114B	114×5.0	3.25
	RT114C	114×6.4	4.11
	RT114D	114×9.5	5.93
	RT150A	150×3.2	2.81
	RT150B	150×5.0	4.35
	RT150C	150×6.4	5.50
	RT150D	150×9.5	8.00

View/instance	Type	Dimension (mm)	Weight(kg/m)
 Y-shape T-shape	Y-shape	A×B×T	
		25×38×6.4	1.40
		38×38×6.4	1.60
		50×38×6.4	1.70
	T-shape	A×T1×B×T2	
		54×6.0×31×6.0	0.89
		54×5.0×45×6.0	1.03
		54×6.0×45×6.0	1.1
		60×6.0×46×6.0	1.30
		78×6.4×44.5×6.0	1.38

View/instance	Type	Dimension (mm)	Weight(kg/m)
 C-Channel	C-Channel	A×B×T1×T2	
	C25	25×14×3.0×3.0	0.28
	C26	26×17×3.2×3.2	0.30
	C31	31×23×4.0×4.0	0.65
	C32	32×13×3.0×3.0	0.25
	C33	33×29×4.0×4.0	0.65
	C40	40×24×3.2×3.2	0.50
	C45	45×28×6.4×6.4	0.92
	C50	50×14×3.2×3.2	0.44
	C52	52×50×6.0×6.0	1.63
	C70	70×30×4.5×4.5	0.95
	C75	75×35×5.0×5.0	1.30
	C76A	76×22×6.4×6.4	1.31
	C76C	76×38×6.4×6.4	1.70
	C90A	90×35×8.0×8.0	2.10
	C102A	102×27×3.2×3.2	0.91
	C102B	102×29×4.8×4.8	1.42
	C102E	102×44×4.8×4.8	1.65
	C102F	102×44×6.4×6.4	2.10
	C120A	120×25×5.0×5.0	1.52
	C120B	120×30×5.0×5.0	1.62
	C120C	120×40×5.0×5.0	1.72
	C120D	120×40×5.0×5.0	1.81
	C120E	120×40×5.0×5.0	1.90
	C145	145×25×5.0×5.0	1.80
	C150A	150×41×8.0×8.0	1.09
	C150B	150×100×6.4×6.4	4.10
	C152A	152×42×4.8×4.8	2.03
	C152B	152×42×6.4×6.4	2.72
	C152C	152×42×9.5×9.5	3.95
	C152D	152×42×9.5×9.5	4.35
	C160	160×48×8.0×8.0	3.70
	C203A	203×56×6.4×6.4	3.68
	C203B	203×56×9.5×9.5	5.34
	C203C	203×102×12.7×12.7	9.20
	C210A	210×55×5.0×5.0	2.95
	C210B	210×80×5.0×5.0	3.42
	C210C	210×85×5.0×5.0	3.52
	C240A	240×72×8.0×8.0	5.70
	C240B	240×115×5.0×5.0	4.40
	C254	254×70×12.7×12.7	8.90
	C292	292×70×12.7×12.7	9.60
	C310A	310×105×5.0×5.0	5.10
	C381	381×90×10.0×10.0	10.5
	C436	436×90×10.0×10.0	11.7
	C491	491×12×90×10.0	14.3
	C902	902×100×10.0×10.0	20.6
	C970	970×40×10.0×10.0	19.9
	Supporting channel	41.2×3.8×3.8	1.0

View/instance	Type	Dimension (mm)	Weight(kg/m)
	Kick plate	A×B×T	
	M2	100×13×3.2M-shape	1.10
	M3	100×16×5.0M-shape	1.30
	M4	148×12×3M-shape	1.27
	W1	100×19×5.0W-shape	1.36
	W2	100×15×3.2W-shape	1.10
	W3	150×15×3.2W-shape	1.60

View/instance	Type	Dimension (mm)	Weight(kg/m)
	Stair nosing	A×B×T	
		25×60×3.0	0.5
		25×50×3.0(75°)	0.45
		30×70×4.0(90°)	0.75
		30×70×3.2(90°)	0.7
		55×55×3.2(87°)	0.8
		55×70×3.2(87°)	0.9
		30×76×3.0	0.6
		30×76×4.0	0.8
		50×90×3.2	0.9
		25×50×3.2(90°)	0.45
		25×50×4.0(90°)	0.51
		25×100×3.2(87°)	0.75
	Round angle	30×100×3.2	0.8
	Square angle	30×100×3.2	0.85
		30×152×3.2	1.2
	Round angle	30×230×3.2	1.6
	Square angle	30×230×3.2	1.7
		55×300×4.0(90°)	2.8
		55×345×4.0(87°)	3.85
		30×381×3.2(87°)	2.7
		55×400×3.2	2.8

● All the data is for reference only. pls take sale's information as standard. Drayson company will keep the right for final explanation.

OTHER PRODUCTS



handrail



fittings of grating



stair tread cover



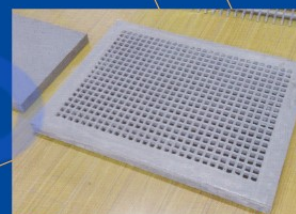
safety ladder



stair nosing



round trench cover



square trench cover



standing platform



handrail fittings



blind cover



deck



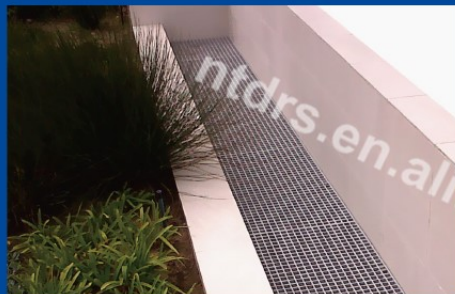
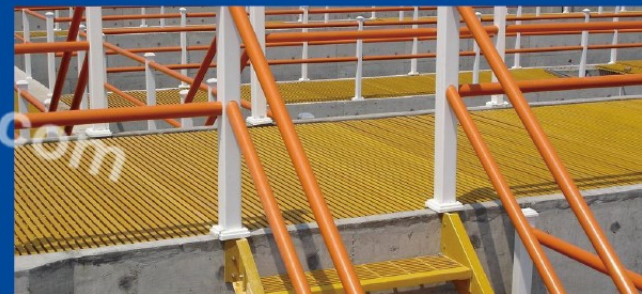
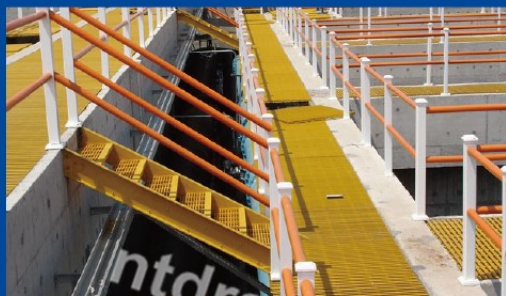
floor plate, slab

PROJECT SHOW

APPLICATION INDUSTRY

FLOORING/WALKWAY/PLATFORM/TRENCH COVER/FENCE

-  CONSTRUCTION MATERIAL
-  SEWAGE TREATMENT
-  PETRO CHEMICAL INDUSTRY
-  ELECTRONIC INDUSTRY
-  FOOD PROCESSING
-  MUNICIPAL ENGINEERING
-  SHIPBUILDING INDUSTRY



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