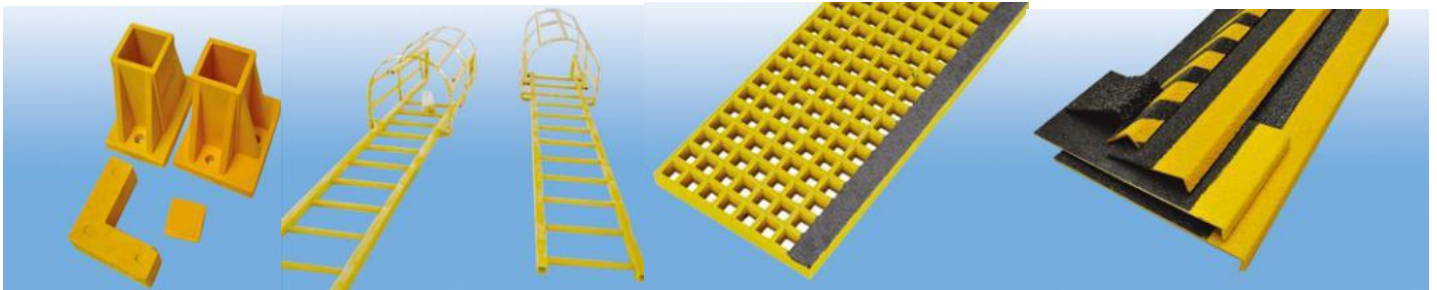


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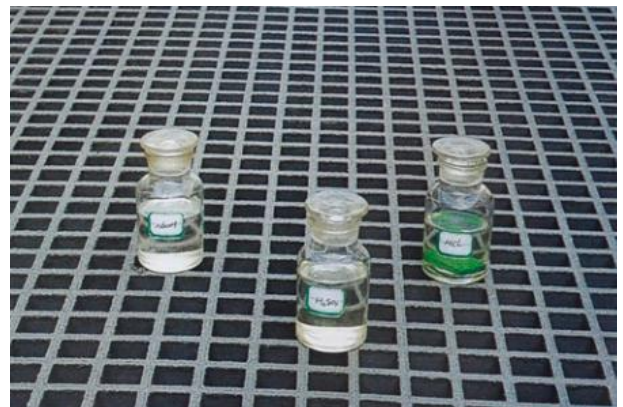
Resin Base

Resin type	Resin base	Description	Corrosion resistance	Flame spread Rating ASTM E84	Colors available
VEFR-25	Vinyl ester	Supirior corrosion resistance and retardant	Excellent	Class 1,25 or less	Dark gray,Orange
VEFR-10	Isophthalic polyester	Supirior corrosion resistance and enhanced retardant	Excellent	Class 1,10 or less	Dark gray
IFR-25	Isophthalic polyester	Industrial grate corrosion resistance and extra fire retardant	Very good	Class 1,25 or less	Dark gray, Green
IFR-10	Isophthalic polyester	Industrial grate corrosion resistance and extra fire retardant	Very good	Class 1,10 or less	Custom
IFGR-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 roving yarn

The fiberglass roving yarn in our company is bought from JUSHI GROUP with high quality . we have C-glass assembled Roving and E-glass Direct Roving .

E-Glass Direct Roving for LFT are designed for reinforcing PP and PA resins .



Molded Gratings

Nantong Grating New Material is manufactured in an open, heated mold system. Continuous E-glass roving's are placed in the mold in alternating layers and completely wetted out with resin . This continuous process produces an integral ,one piece construction which provides excellent corrosion resistance as well as bi-directional strength. There are a number of different molds available resulting in a extensive range of panel sizes ,thickness and mesh patterns .

Industries

- . Chemical plant and metal finishing
- .Construction engineering, traffic and transportation
- .Petrochemical engineering,ocean survey, water engineering
- .Food and beverage plants
- .Textile printing and dyeing and electronic industry

Functions

- .Anti-slip floor, stair tread ,foot bridge
- .Operation platform, trench cover
- .Security and safety fence, handrail
- .Off-shore oil rig, shipyard, shipping deck,ceiling
- .Ramp ladder, scaffold, railway
- .Decorative grid, man-made fountain pool grid
- .Non-conductive and non-magnetic

Advantages

- .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



Concave Surface



Smooth Surface



Diamond Top Cover



Gritted Top Cover



Gritted Surface



Mini Mesh Surface



Micro Mesh Surface

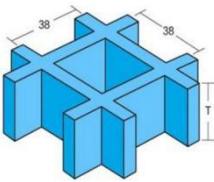


Heavy Duty

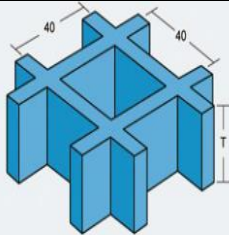
Molded grating in details

(Thickness-T)

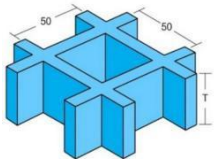
38x38

Legend	Thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	Panel size available (mm)	Weight (kg/m ²)	Open Rate (%)
	13	6.0/5.0	38x38	1220x3660,1220x4000,1220x2440, 921x3055,1264x4010	6.0	78
	14	6.0/5.0	38x38	1220x3660,1220x4000,1220x2440, 921x3055,1264x4010	6.5	78
	15	6.0/5.0	38x38	1220x3660,1220x4000,1220x2440, 921x3055,1264x4010	7.0	78
	20	6.0/5.0	38x38	1220x3660,1220x4000,1524x4010, 997x3012	9.8	65
	25	6.5/5.0	38x38	1220x3660,1226x4010,1530x4010, 921x3055,1524x4000,997x3012	12.3	68
	30	6.5/5.0	38x38	1220x3660,1220x4010,921x3055, 1524x4010	14.6	68
	38	7.0/5.0	38x38	1220x3660,1220x4010,2100x4240,9 98x4010,1220x2440,921x3055,1530x 4010,1530x3050,1000x4000	19.5	68
	50	9.5/7.5 Heavy duty	38x38	1000x1990,1230x3666,1230x4010	42	56
	60	10.5/8.5 Heavy duty	38x38	1230x4010	50.4	54
	70	11.0/9.0 Heavy duty	38x38	1230x4010	58.8	49

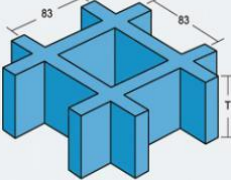
40x40

Legend	Thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	Panel size available (mm)	Weight (kg/m ²)	Open Rate (%)
	25	7.0/5.0	40x40	1007x3007,1007x4007, 1247x4047,1527x4047	12.3	67
	30	7.0/5.0	40x40	1527x4047,1007x3007,1247x4047	14.6	67
	38	7.0/5.0	40x40	1527x4047,1247x4047,1007x3007 ,1007x4047	19.2	67
	40	7.0/5.0	40x40	1527x4047,1007x3007,1007x4047 ,1247x4047	19.5	67

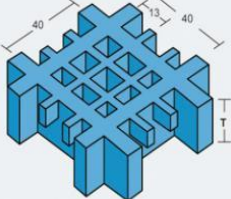
50x50

Legend	Thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	Panel size available (mm)	Weight (kg/m ²)	Open Rate (%)
	15	6.0/5.0	50x50	1228x4020	5.9	82
	25	7.0/5.0	50x50	230x4020	11.5	78
	40	6.8/5.0	50x50	1787x4530	17.5	80
	50	8.0/6.0	50x50	1230x4020,1532x4020	23.7	78

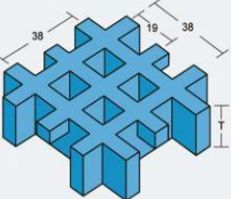
83x83

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	83x83	1007x4007, 1007x3007, 1007x4255	10.0	4
	40	7.0/5.0	83x83	1007x4007, 1007x3007, 1007x4255	11.0	84

13x13/40x40 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	13x13 40x40	1247x4047, 1007x3007, 1007x4047, 1530x4047	17.8	30
	30	6.5/4.5/5.0	13x13 40x40	1527x4047, 1247x4047, 1007x3007, 1007x4047	19.1	30
	38	6.5/4.5/5.0	13x13 40x40	1527x4047, 1247x4047, 1007x3007, 1007x4047	23.8	30

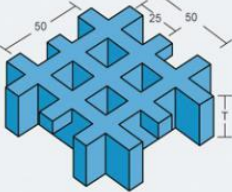
19x19/38x38 micro mesh

Legend	Thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	Panel size available (mm)	Weight (kg/m ²)	Open Rate (%)
	25	6.5/5.0	19x19 38x38	1220x3660, 1220x2440, 921x3055, 1226x4007, 1268x4007	16.8	30
	30	6.5/5.0	19x19 38x38	1220x3660, 1220x2440, 915x3050, 1220x4000, 1530x4007	18.8	30
	38	6.5/5.0	19x19 38x38	1220x3660, 1220x2440, 915x3050, 1220x4000, 1226x4007	23.5	30

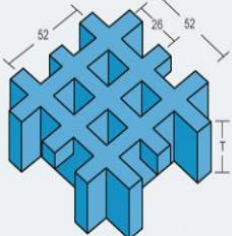
20x20/40x40 micro mesh

Legend	Thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	Panel size available (mm)	Weight (kg/m ²)	Open Rate (%)
	14	6.5/5.0	20x20 40x40	1247x4047, 1007x3007	10.5	42
	22	6.5/5.0	20x20 40x40	1247x4047, 1007x3007, 1527x4047	14.8	42
	25	6.5/5.0	20x20 40x40	1247x4047, 1527x4047	16.8	42
	30	7.0/5.0	20x20 40x40	1007x4047, 1007x3007, 1247x4047, 1527x4047	18.3	42
	38	7.0/5.0	20x20 40x40	1007x4047, 1007x3007, 1247x4047, 1527x4047	23.2	42
	40	7.0/5.0	20x20 40x40	1007x4047, 1007x3007, 1247x4047, 1527x4047	23.7	42

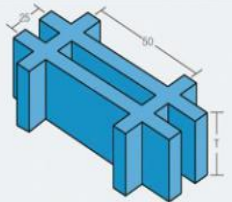
25x25/50x50 micro mesh

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	25x25 50x50	1518x4023	28.5	55

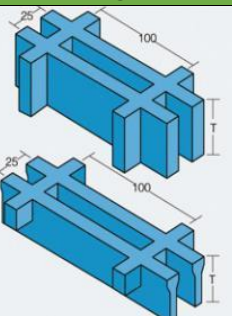
26x26/52x52 micro mesh

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	26x26 52x52	1534x4053	15.3	60
	38	6.0/5.0	26x26 52x52	1512x4012	19.5	60

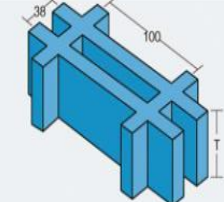
25x50

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	25x50	1220x1835	30.7	48
	50	12.0/9.0 Heavy duty	25x50	1220x1835	41.8	48

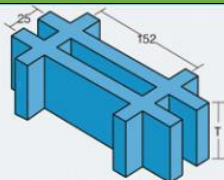
25x100/100x25

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	100x25	1007x3007,1007x4007,1500x4028	13.0	67
	25	7.0/5.5	25x100	1220x3660,915x3050	13.83	67
	25	9.5/8.0 Heavy duty	100x25	1220x3660,1220x2440,915x3050	19.5	52
	30	7.0/5.5	100x25	1007x3007,1007x4007	15.6	67
	38	8.0/6.0 Heavy duty	100x25	1220x3660	22.8	62
	38 (T-shape)	15.0/5.0	25x100	1220x3660,1225x4170	21	62

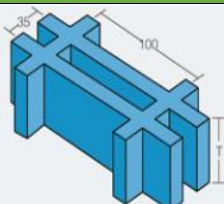
100x38

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	100x38	1226x3665, 1530x4047, 921x3050	16.4	65

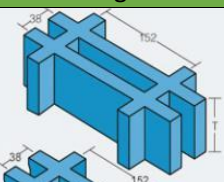
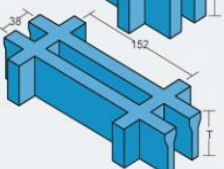
25x152

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	25x152	1220x3660, 1220x2440, 1220x4124, 921x3050	22.8	63

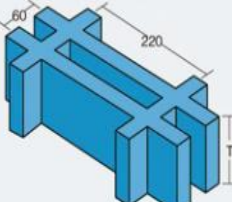
100x35

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	100x35	1407x4277, 2407x2982	15	63

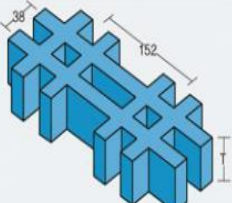
152x38

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	152x38	1220x3660, 1220x2440, 915x3050	15.92	67
	38 (T-shape)	15.0/8.0	38x152	1500x3660	19	62

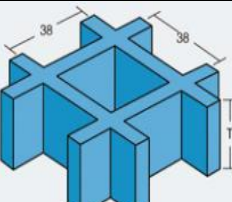
60x223

Legend	Thickness (mm)	Bar thickness (Top/Bottom)	Mesh size (mm)	Panel size available (mm)	Weight (kg/m ²)	Open Rate (%)
	40	6.3/5.0	60x223	1788x2238, 1788x4250	9.0	67

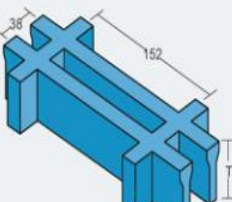
38x152

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	38x152	580x3660, 580x4120	17	65

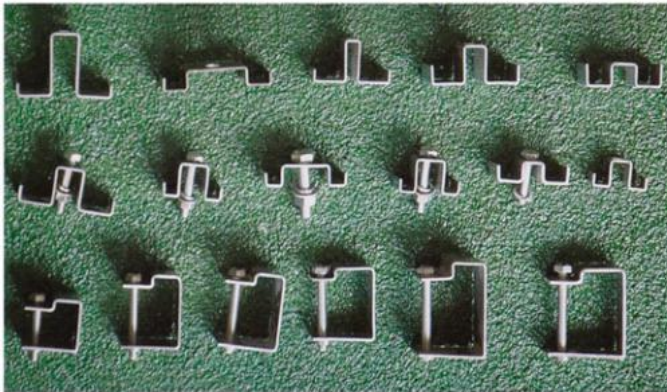
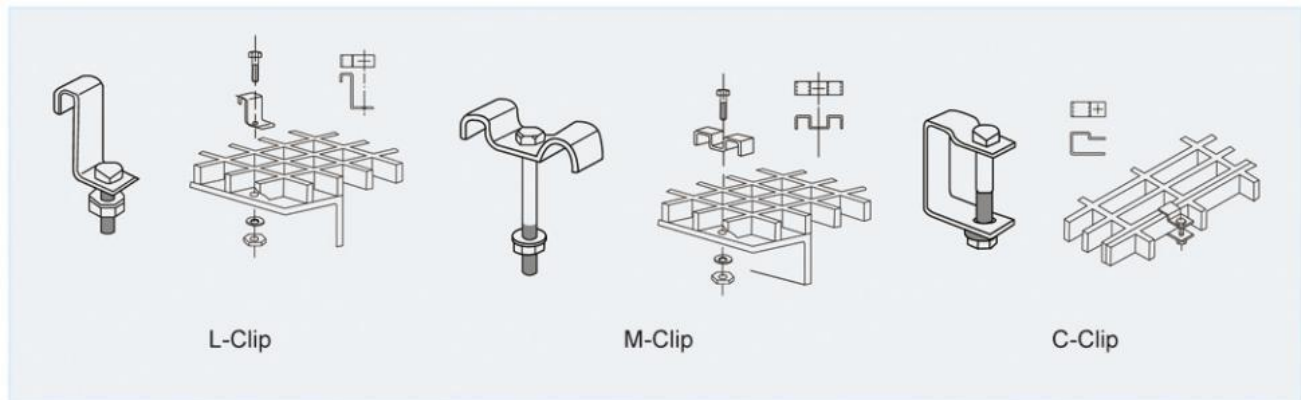
38x38 Phenolic grating

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	38x38	1220x3660, 1416x3660, 1416x4010	19.5	68

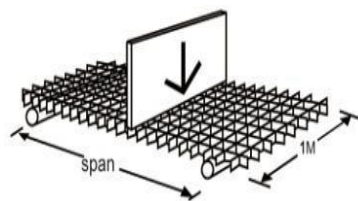
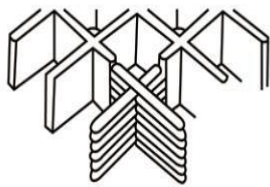
38x152 Phenolic grating

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	38x152	1500x3660	9.0	62

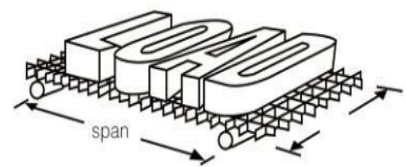
Installation Fixing for Molded Gratings



Molded grating load deflection tables



Concentrated line load-deflection in mm



Uniformed load-deflection in mm

38x38x20

	Bar thickness(Top/Bottom) 6.0/5.0
	Distance between centers of bearing bars 38
Open Area 65%	
Weight per square meter 9.8kg/m ²	
Standard panel size:1220x4000,1220x3660,1524x4010,997x3012 Both directions	

	Kg/m					Break Point
	75	150	300	450	750	
300	0.254	0.508	1.016	1.524	2.54	4470
450	0.762	1.524	3.302	4.826	8.128	2980
600	1.778	3.81	7.62	11.176	15.263	2235
750	2.794	5.588	11.43	17.658	21.134	1788
900	5.334	10.668	15.385	21.241	26.583	1490

	Kg/m						Break Point
	350	500	750	1000	1500	2500	
300	<0.254	0.254	0.508	0.508	1.016	1.524	29280
450	1.016	1.524	2.286	3.048	4.572	7.62	12980.8
600	3.084	4.572	7.112	9.398	12.283	14.103	7320
750	5.842	8.89	----	----	----	----	4084.8
900	7.158	---	---	---	---	---	3226.8

38x38x25

	Bar thickness(Top/Bottom)
	6.4/5.0
	Distance between centers of bearing bars
	38
	Open Area
	68%
	Weight per square meter
	12.3kg/m ²
Standard panel	
size:1220x4000,1220x3660,1524x4010,997x3012 ,915x3050 Both directions	

	Kg/m						Break Point
	75	150	300	450	600	750	
450	0.559	1.146	2.159	3.073	4.115	4.75	3910
600	1.16	2.32	4.64	6.97	9.29	11.62	2924
900	3.92	7.84	12.116	18.44	19.82	20.77	1948
1200	9.29	18.5	15.33	23.54	25.52	27.88	1461

	Kg/m						Break Point
	240	480	980	1450	2450	3650	
450	0.66	1.092	1.93	2.769	4.47	6.579	4880
600	1.118	2.108	4.14	6.172	10.211	15.265	----
750	2.667	5.387	10.82	16.28	21.738	29.962	----
900	5.537	11.176	21.717	23.164	26.547	31.590	----

38x38x30

	Bar thickness(Top/Bottom)
	6.5/5.0
	Distance between centers of bearing bars
	38
	Open Area
	68%
	Weight per square meter
	14.6kg/m ²
Standard panel	
size:1220x4010,1220x3660,1524x4000,1524x4026,915x3050 Both directions	

	Kg/m						Break Point
	75	150	300	450	750	1500	
300	<0.254	<0.254	0.254	0.508	0.762	1.524	9923.4
450	0.254	0.508	1.016	1.524	2.54	3.92	4827.6
600	0.508	1.27	2.286	3.556	5.842	7.38	4112.4
750	1.27	2.54	4.826	7.366	12.446	15.98	3173.7
900	2.27	4.54	9.08	13.63	18.72	22.05	2637.3

	Kg/m						Break Point
	350	500	750	1000	1500	2500	
300	0.29	0.48	0.57	0.75	1.15	1.82	
450	0.78	1.19	1.81	2.47	3.54	4.95	
600	1.76	2.66	4.28	5.56	8.41	13.19	
750	3.48	5.12	8.21	10.95	16.42	----	
900	5.89	8.81	14.15	18.92	----	---	

38x38x38

	Bar thickness(Top/Bottom)
	7.0/5.0
	Distance between centers of bearing bars
	38
	Open Area
	68%
	Weight per square meter
	19.5kg/m ²
Standard panel	
size:1220x4000,1220x3660,1220x2440,915x050 ,1524x3050,1524x4000,1000x4000 Both directions	

	Kg/m						Break Point
	150	300	450	600	750	1500	
300	0.356	0.483	0.61	0.762	0.889	1.06	17116
600	0.66	1.245	1.85	2.464	3.073	8.48	8718
900	1.803	3.683	5.563	7.417	9.296	13.79	5817
1200	4.749	9.677	14.63	19.583	21.19	----	3755

	Kg/m						Break Point
	240	480	980	1450	2450	3650	
300	0.09	0.19	0.38	0.49	0.78	1.05	4880
600	0.432	0.813	1.549	2.311	3.8354	5.74	----
900	1.702	3.454	6.959	10.465	17.475	23.25	----
1200	5.969	12.167	24.511	32.58	38.65	----	----

50x50x50

	Bar thickness(Top/Bottom)
	8.0/6.0
	Distance between centers of bearing bars
	50
	Open Area
	78%
	Weight per square meter
	23.7kg/m ²
Standard panel size:1524x4000,1220x3660, Both directions	

	Kg/m						Break Point
	150	300	450	600	750	1500	
300	0.305	0.406	0.483	0.635	1.041	1.45	21727
600	0.508	0.813	1.128	1.753	3.327	4.27	11713
900	1.118	2.235	3.2	5.156	6.58	13.46	7780
1200	1.33	2.61	5.98	9.95	11.92	----	5834

	Kg/m						Break Point
	240	480	980	1450	2450	3650	
300	0.254	0.279	0.33	0.381	0.483	0.737	4880
600	0.381	0.584	0.965	1.372	2.134	4.115	----
900	1.194	2.108	3.937	5.766	9.449	18.593	----
1200	2.413	4.928	9.957	14.961	16.810	21.575	----

25x100x25

	Bar thickness(Top/Bottom)
	7.0/5.5
	Distance between centers of bearing bars
	25
	Open Area
Standard panel size:1524x4000,1220x3660, Both directions	

	Kg/m						Break Point
	75	150	300	450	600	750	
300	0.33	0.483	0.737	0.991	1.27	1.52	9442

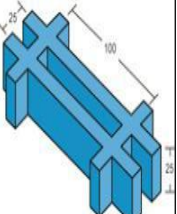
	Kg/m						Break Point
	240	480	980	1450	2450	3650	
300	0.279	0.381	0.533	0.711	1.041	----	4880

	67%
	Weight per square meter 13.0kg/ m²
Standard panel size:1007x3007,1007x4007, Width direction	

600	0.864	1.727	3.454	5.182	6.909	8.636	4305
750	1.397	2.718	5.105	7.163	9.55	11.938	3589
900	2.413	4.724	8.814	12.369	16.51	20.625	3216

600	0.914	1.854	3.683	5.537	9.22	----	1.905
900	3.632	6.6	12.573	18.542	----	----	18.466
1050	8.007	14.884	----	----	----	----	----

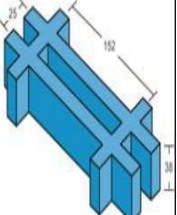
25x100x25

	Bar thickness(Top/Bottom) 9.5/8.0 Distance between centers of bearing bars 25 Open Area 52% Weight per square meter 19.5kg/ m²
Standard panel size:1220x3660,1220x2440,915x3050 Both directions	

	Kg/m						Break Point
	78	150	300	450	750	1500	
300	<0.254	0.254	0.762	1.016	1.27	1.524	10057.5
450	0.508	0.762	1.778	2.54	3.302	4.318	7263.75
600	0.762	1.778	3.556	5.08	6.858	----	5773.75
750	1.524	3.048	6.096	9.144	11.938	----	4842.5
900	2.286	4.826	9.652	----	----	----	4172
1050	3.556	7.112	----	----	----	----	3687.75
1200	508	10.16	----	----	----	----	3501.50

	Kg/m						Break Point
	250	350	300	750	1000	1500	
300	<0.254	<0.254	<0.254	0.254	0.508	0.508	32940
450	0.508	0.508	0.762	1.27	1.524	2.286	18910
600	1.016	1.27	2.032	3.302	4.318	6.35	15860
750	2.286	3.048	4.572	7.112	9.398	---	12688
900	4.572	5.842	8.89	---	---	---	9110.96
1050	7.874	10.16	----	---	---	---	6900.32
1200	12.7	---	---	---	----	----	5734

38x152x38

	Bar thickness(Top/Bottom) 8.0/6.0 Distance between centers of bearing bars 38 Open Area 67% Weight per square meter 15.92kg/ m²
Standard panel size:1220x3660,1220x2440,915x3050 Length direction, Width direction	

	Kg/m						Break Point
	75	150	300	450	600	750	
300	<0.254	<0.254	0.254	0.508	0.508	0.762	12627.75
450	<0.254	0.254	0.762	1.016	1.524	1.778	9945.75
600	0.254	0.762	1.524	2.286	3.046	3.81	8232.85
750	0.762	1.27	2.794	4.064	5.334	6.604	7040.25
900	1.016	2.286	4.318	6.64	8.636	10.92	6146.25
1050	1.524	3.302	6.604	9.906	----	----	5438.5
1200	2.286	4.826	9.652	----	----	----	5140.5

	Kg/m						Break Point
	350	450	750	1000	1500	2500	
300	<0.254	<0.254	<0.254	0.254	0.254	0.808	41358
450	<0.254	0.254	0.508	0.762	1.016	1.778	26962
600	0.508	1.016	1.27	1.778	2.794	4.572	21716
750	1.027	2.032	3.048	4.064	6.35	---	18446.4
900	2.54	4.064	6.096	8.128	12.192	----	13420
1050	4.572	7.112	10.668	----	---	----	10179.68
1200	7.874	11.938	----	----	----	----	8418

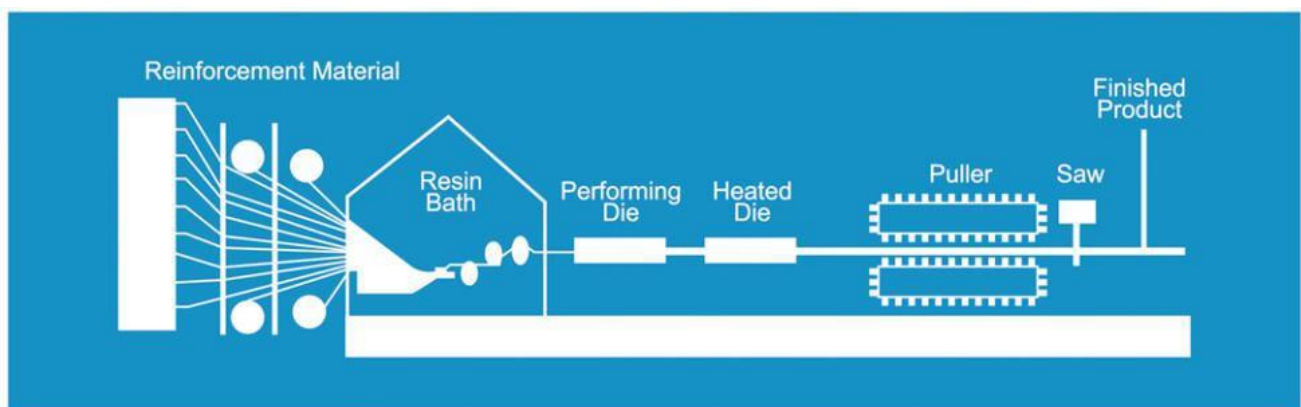
Chemical resistance chart of molded grating

Chemical	Max. Oper. Temp			
	%Conc.	Type 'Vinyl'	Type 'Iso'	Type 'Ortho'
Hydrochloric acid	30	82	65	N/R
Nitric acid	35	38	N/R	N/R
Sulphuric acid	25	82	65	N/R
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
Calcuim hydroxide	25	82	65	N/R
Calcium hypochloride	25	82	65	N/R

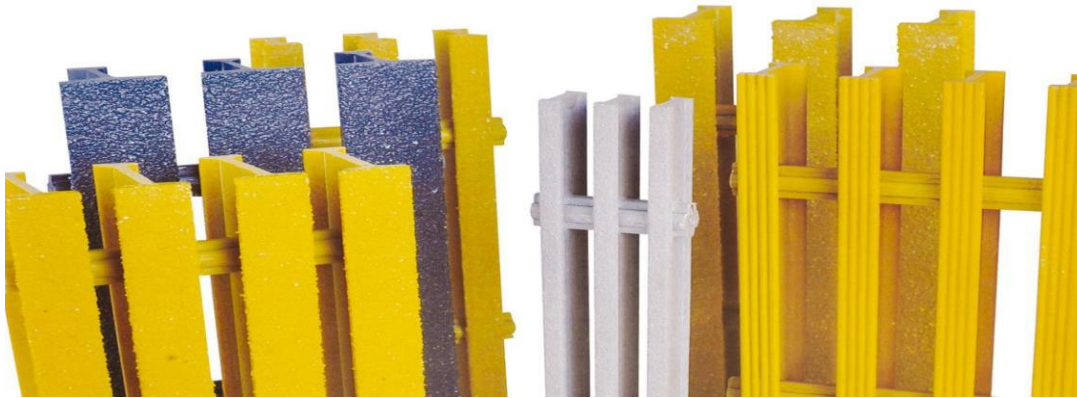
Ferric chloride	100	82	65	60
Aluminum chloride	ALL	82	65	60
Mercuric chloride	100	82	65	60
Silver nitrate	100	82	65	60
Sodium salt	ALL	24	N/R	N/R
Zinc chloride	ALL	24	24	N/R
Acetone	100	124	N/R	N/R
Chloroform	100	N/R	N/R	N/R
Fuel	ALL	38	38	38
Nantokite	ALL	82	65	60
Phenols	10	24	N/R	N/R
Ozone	ALL	38	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	N/R
Glycol	100	82	65	60
Sulfur dioxide	SAT	82	65	60
Sodium phosphate	50	82	N/R	N/R
Water	100	82	65	60
Alum	ALL	82	65	60
Chlorine water	SAT	49	N/R	N/R
ALL-concentrations,SAT-saturated solution,N/R-not recommended,...-no information available				

Pultruded gratings

Our pultruded gratings are panels with open space, assembled, through specially designed process, with “I” “T” and “HL” shaped bearing bars and interlocked with solid rods or tubes, which are all pultruded .

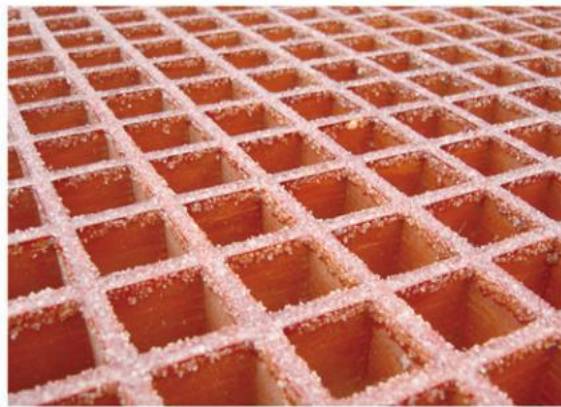


Our pultruded grating is light-weight, anti-fire chemical and UV resistant, and reduces costly maintenance, is well suited for highly corrosive environments and offers extended life, eliminating periodic maintenance and extra cost, which is a good alternative compared to steel grating .

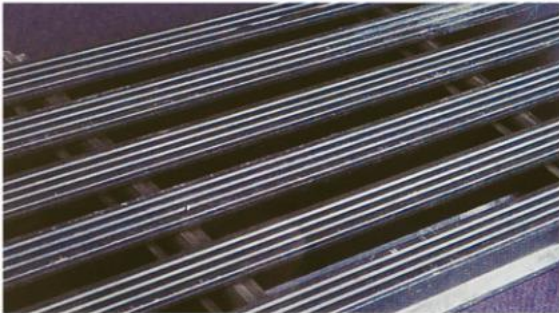


Advantages of Phenolic grating

- .High anti-fire
- .High anti-corrosion and anti-aging
- .High 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



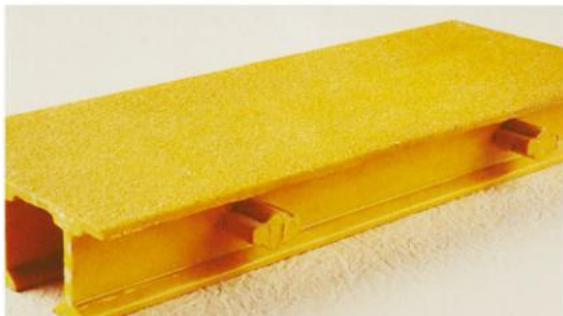
Surfaces



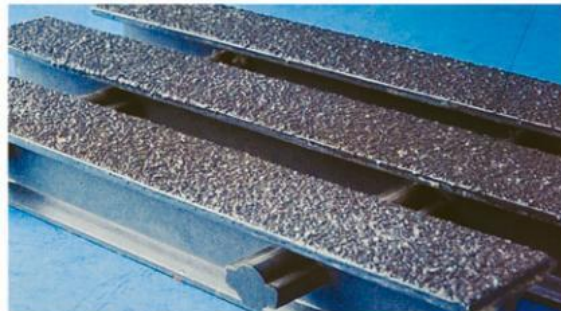
Corrugated Surface



Smooth Surface

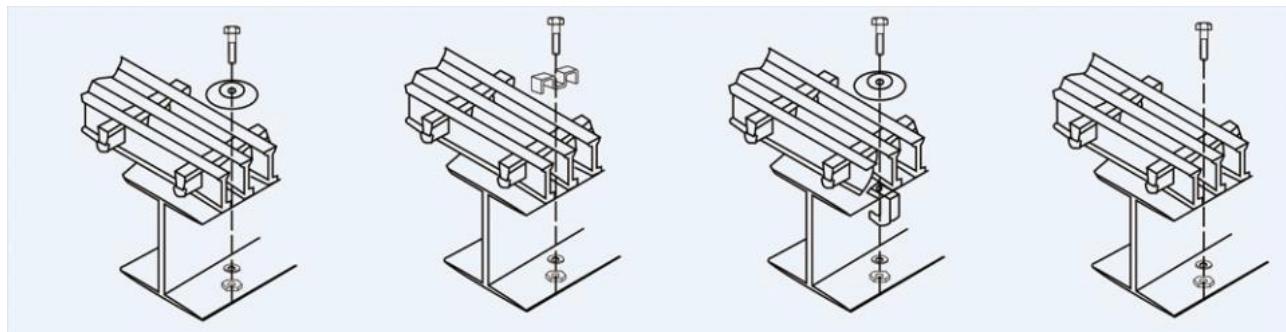


Gritted top cover



Gritted Surface

Installation Fixing for Pultruded Gratings



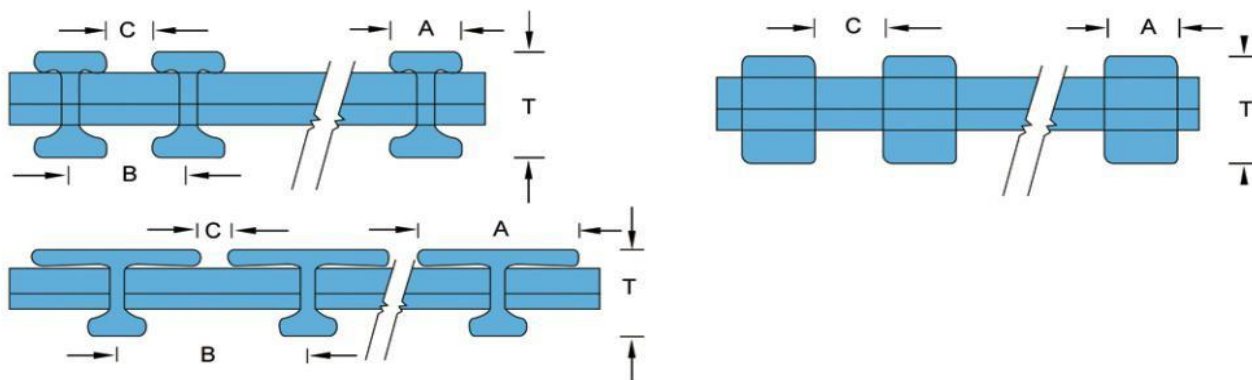
WP-Clip

MP-Clip

GP-Clip

PP-Clip

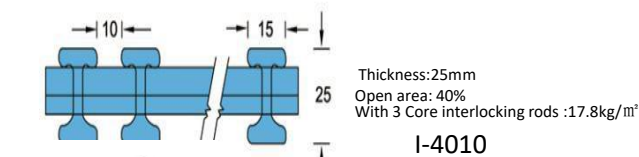
Pultruded grating in details



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	15	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	15.6
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	61	19.7	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	38	38	50.8	12.7	25	16.7
T-3815	38	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

Pultruded grating load deflection tables

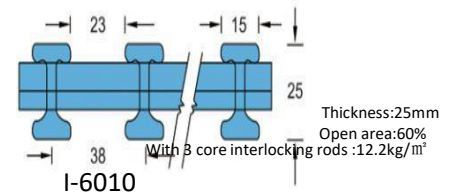


Concentrated line load-deflection in mm

Uniformed load-deflection in mm

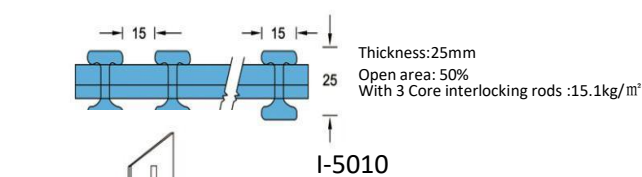
Span (mm)	Kg/m						Max load
450	300	450	750	1500	3000	5950	16593
600	0.38	0.58	1.02	2.03	4.06	7.62	12959
900	0.95	1.56	2.54	4.57	8.89	17.53	8639
1200	3.09	4.64	7.73	15.46	30.9	---	6420

Span (mm)	Kg/m						Max load
450	1000	1900	3900	7000	9500	19500	72325
600	0.85	1.76	3.22	5.63	7.25	12.12	42515
900	1.91	3.71	7.56	12.9	16.5	---	18863
1200	6.57	12.81	23.26	---	---	---	10507



Span (mm)	Kg/m						Max load
450	300	450	750	1500	3000	5950	11067
600	0.59	0.89	1.52	2.94	5.83	10.95	8639
900	1.41	2.12	3.52	5.59	14.2	27.62	5750
1200	4.75	7.13	11.85	23.7	---	---	4275

Span (mm)	Kg/m						Max load
450	1000	1900	4000	7000	9500	19500	48380
600	1.23	2.36	4.95	8.67	11.85	22.15	28344
900	2.93	5.35	11.7	---	---	---	12559
1200	9.91	19.52	---	---	---	---	6988

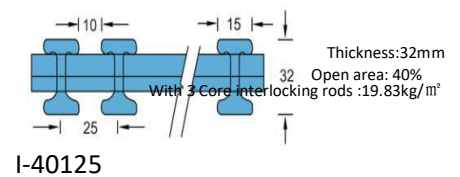


Concentrated line load-deflection in mm

Uniformed load-deflection in mm

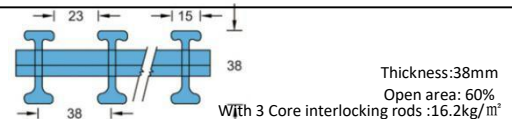
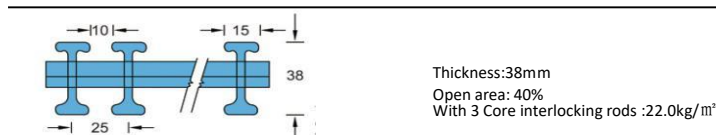
Span (mm)	Kg/m						Max load
450	300	450	750	1500	3000	5950	13808
600	0.46	0.71	1.17	2.33	4.66	8.52	10799
900	1.11	1.65	2.74	5.83	11.24	18.8	7194
1200	3.54	5.06	8.86	16.46	34.92	59.15	5362

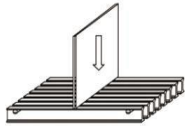
Span (mm)	Kg/m						Max load
450	1000	1900	3900	7000	9500	19500	60499
600	0.91	1.76	3.27	5.54	9.32	15.6	35429
900	2.15	4.29	9.06	15.08	17.95	26.54	15638
1200	7.83	12.89	23.65	---	---	---	8796



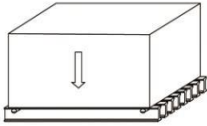
Span (mm)	Kg/m						Max load
450	300	450	750	1500	3000	5950	13808
600	0.24	0.39	1.02	2.03	4.06	7.62	10799
900	0.82	1.14	2.54	4.83	9.4	18.8	7194
1200	2.54	4.06	6.86	13.46	27.2	54.1	5362

Span (mm)	Kg/m								Max load
600	300	500	1000	1500	2000	2500	5000	10000	15000
800	0.16	0.27	0.55	0.82	1.09	1.37	2.73	5.47	8.2
1000	0.49	0.82	1.63	2.45	3.27	4.08	8.17	---	---
1200	1.16	1.93	3.86	5.79	7.72	9.64	---	---	---





Concentrated line load-deflection in mm



Uniformed load-deflection in mm

I-4015

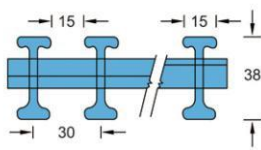
Span (mm)	Kg/m						Max load
300	450	750	1500	3000	5950		
450	0.12	0.25	0.51	0.76	1.52	2.79	26215
600	0.29	0.51	1.02	1.78	3.05	5.84	19661
900	1.02	1.27	2.29	5.32	9.38	17.76	12705
1200	2.95	3.59	5.57	9.4	19.1	38.85	9086

Span (mm)	Kg/m						Max load
1000	1900	3900	7000	9500	19500		
450	0.25	0.45	0.76	1.67	2.42	4.83	114645
600	0.61	1.18	2.32	4.59	5.96	9.62	64506
900	1.92	3.79	6.33	11.2	15.46	---	27757
1200	4.96	9.64	---	---	---	---	14905

I-6015

Span (mm)	Kg/m						Max load
300	450	750	1500	3000	5950		
450	0.19	0.29	0.51	0.96	2.03	3.81	17472
600	0.51	0.76	1.02	2.29	4.32	8.38	13108
900	1.57	2.33	3.89	7.11	14.56	25.15	8460
1200	2.79	4.32	7.11	14.22	28.5	56.9	6047

Span (mm)	Kg/m						Max load
1000	1900	3900	7000	9500	19500		
450	0.45	0.75	1.56	2.97	3.78	6.56	76430
600	0.91	1.82	3.78	6.83	8.57	14.89	43004
900	3.29	6.06	9.87	18.7	---	---	18570
1200	7.6	14.95	---	---	---	---	9920

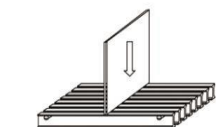


Thickness:38mm
Open area: 50%
With 3 Core interlocking rods :19.1kg/m²

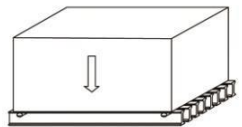
I-5015

Span (mm)	Kg/m						Max load
300	450	750	1500	3000	5950		
450	0.15	0.25	0.51	1.02	1.78	3.3	21836
600	0.31	0.51	1.02	1.78	3.56	6.86	16385
900	1.02	1.52	2.54	6.08	11.91	20.87	10576
1200	2.89	4.56	7.84	14.94	28.4	---	7567

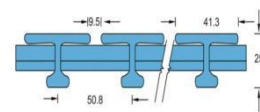
Span (mm)	Kg/m						Max load
1000	1900	3900	7000	9500	19500		
450	0.25	0.51	0.96	2.27	2.97	4.56	95537
600	0.81	1.52	2.61	4.95	6.96	12.93	53755
900	2.58	4.92	9.15	17.7	---	---	23164
1200	6.59	12.69	---	---	---	---	12422



Concentrated line load-deflection in mm



Uniformed load-deflection in mm

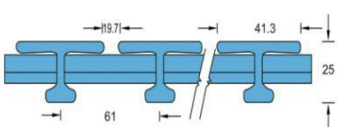


Thickness:25mm
Open area: 18%
With 3 Core interlocking rods :13.8kg/m²

T-1810

Span (mm)	Kg/m						Max load
300	500	800	1500	2000	2500		
400	0.40	0.67	1.07	2.00	2.67	3.34	5900
600	1.24	2.06	3.30	8.25	---	---	2300
800	2.76	4.59	7.35	13.78	---	---	2300
1000	5.16	8.60	13.76	---	---	---	2200

Span (mm)	Kg/m						Max load
300	500	800	1500	2000	2500		
400	0.10	0.17	0.27	0.50	0.67	0.83	29600
600	0.46	0.77	1.24	2.32	3.10	3.87	12700
800	1.38	2.30	3.67	6.89	9.18	11.48	7300
1000	3.22	5.37	8.60	---	---	---	4600

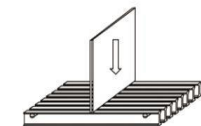


Thickness:25mm
Open area: 33%
3 Core interlocking rods :11.2kg/m²

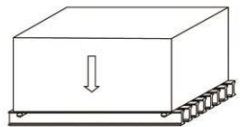
T-3310

Span (mm)	Kg/m						Max load
300	450	750	1500	3000	5950		
450	0.584	0.86	1.448	2.87	5.74	---	10309
600	1.27	1.93	3.226	6.452	---	---	7731
900	4.013	5.99	10.06	---	---	---	5024
1200	8.992	---	---	---	---	---	3620

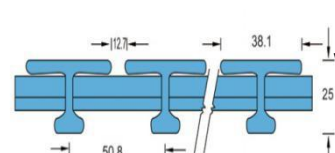
Span (mm)	Kg/m						Max load
1000	1900	3900	7000	9500	19500		
450	0.56	1.069	2.134	4.039	5.23	---	45076
600	1.63	3.226	6.542	12.12	---	---	25363
900	7.52	15.04	---	---	---	---	10971
1200	---	---	---	---	---	---	5938



Concentrated line load-deflection in mm



Uniformed load-deflection in mm

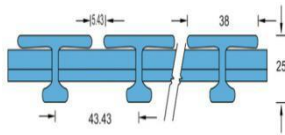


Thickness:25mm
Open area: 25% With
3 Core interlocking rods :13.6kg/m²

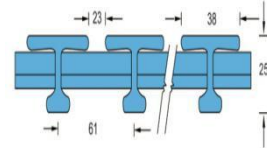
T-2510

Span (mm)	Kg/m						Max load
150	300	450	750	1500	3000		
450	0.254	0.508	0.762	1.27	2.794	5.588	4619
600	0.508	1.016	1.778	2.794	5.588	11.43	3471.7
900	1.778	3.556	5.588	9.144	---	---	2309.5
1200	2.032	4.318	8.382	12.7	---	---	1728.4

Span (mm)	Kg/m						Max load
450	950	1450	2400	4850	9500		
450	0.254	0.508	0.762	1.27	2.54	5.08	10638.4
600	0.762	1.524	2.032	3.556	7.112	---	8003.2
900	3.556	6.858	10.414	---	---	---	5075.2
1200	10.668	---	---	---	---	---	2830.4



Thickness:25mm
Open area: 12%
3 Core interlocking
rods :17.9kg/m²



Thickness:25mm
Open area: 38% With
With 3 Core interlocking
rods :11.8kg/m²

T-1210

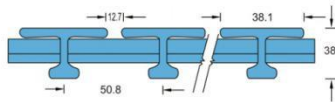
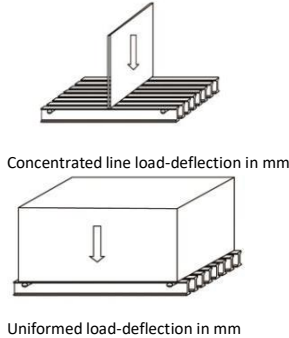
Span (mm)	Kg/m						Max load
450	150	300	450	750	1500	3000	6481.5
600	0.254	0.508	0.762	1.27	2.286	4.826	4857.4
900	1.524	3.048	4.826	7.874	--	--	3233.3
1200	3.556	7.366	10.922	--	--	--	2428.7

Span (mm)	Kg/m						Max load
450	<0.254	0.254	0.762	1.016	2.286	4.572	14932.8
600	0.508	1.27	1.778	3.048	6.096	12.92	11175.2
900	2.794	5.842	8.89	--	--	--	7076
1200	9.144	--	--	--	--	--	3562.4

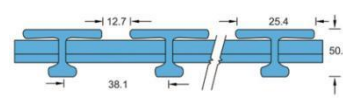
T-3810

Span (mm)	Kg/m						Max load
450	300	450	750	1500	3000	5950	8600
600	0.711	1.02	1.727	3.454	6.91	--	6427
900	1.549	2.34	3.886	7.747	--	--	4180
1200	10.77	--	--	--	--	--	3018

Span (mm)	Kg/m						Max load
450	1000	1900	3900	7000	9500	19500	37624
600	0.66	1.295	2.616	5.004	6.53	--	21087
900	1.96	3.886	7.772	--	--	--	9158
1200	9.02	--	--	--	--	--	9920



Thickness:38mm
Open area: 25%
3 Core interlocking
rods :16.7kg/m²



Thickness:50mm
Open area: 33% With
With 3 Core interlocking
rods :21.7kg/m²

T-2515

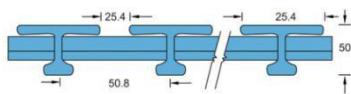
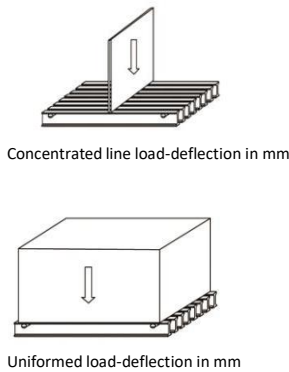
Span (mm)	Kg/m						Max load
450	150	300	450	750	1500	3000	7539.4
600	<0.254	0.254	0.254	0.508	1.016	2.286	6019.6
900	0.254	0.508	0.508	1.016	2.032	4.064	4023
1200	1.524	2.794	4.318	7.112	--	--	3009.8

Span (mm)	Kg/m						Max load
450	<0.254	0.254	0.254	0.508	1.016	2.032	16494.4
600	0.254	0.508	0.762	1.27	2.54	5.08	12346.4
900	1.27	2.286	3.556	5.842	11.684	--	8247.2
1200	3.556	7.112	10.668	--	--	--	4928.8

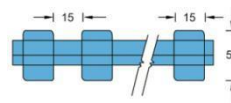
T-3320

Span (mm)	Kg/m						Max load
450	300	450	750	1500	3000	5950	16876
600	--	0.25	0.51	1.02	1.78	3.3	7492
900	0.51	0.76	1.27	2.29	4.57	9.4	4215
1200	1.02	1.52	2.29	4.83	9.91	19.56	2696
1500	1.78	2.79	4.57	9.14	18.3	36.58	22137

Span (mm)	Kg/m						Max load
450	1000	1900	3900	7000	9500	19500	55368
600	0.25	0.51	0.76	1.52	2.03	4.06	36895
900	0.76	1.52	3.05	5.59	7.73	14.99	27659
1200	2.29	4.57	9.4	--	--	--	22137
1500	5.0	9.91	--	--	--	--	--



Thickness:50mm
Open area: 50%
3 Core interlocking
rods :17.2kg/m²



Thickness:50mm
Open area: 50% With
With 3 Core interlocking
rods :52.2kg/m²

T-5020

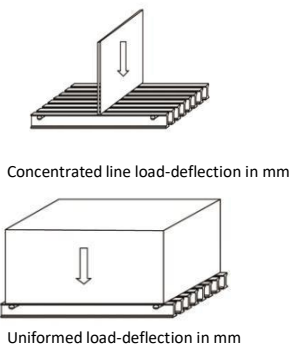
Span (mm)	Kg/m						Max load
600	300	450	750	1500	3000	5950	--
900	0.25	0.51	0.76	1.27	2.29	4.57	--
1200	0.76	1.27	1.78	3.3	6.1	12.19	--
1500	1.52	2.29	3.56	6.6	13.5	27.18	--
1800	2.54	3.81	6.35	12.45	24.6	49.53	--

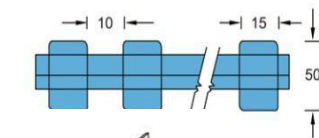
Span (mm)	Kg/m						Max load
600	1000	1900	3900	7000	9500	19500	--
900	0.51	0.76	1.27	2.29	3.05	6.35	--
1200	1.02	2.03	3.81	6.86	9.4	--	--
1500	3.3	6.35	12.45	--	--	--	--
1800	6.86	13.46	--	--	--	--	--

HL-5020

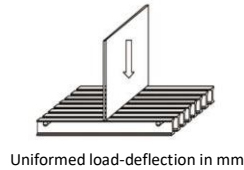
Span (mm)	Kg/m						Max load
600	150	300	450	750	1500	3000	7500
750	0.0406	0.0813	0.1016	0.1829	0.3658	0.7112	1.7883
900	0.06096	0.1219	0.2032	0.3251	0.6502	1.3005	3.2716
1200	0.1016	0.2235	0.3251	0.5486	1.0973	2.1946	12.8017
1500	0.2642	0.508	0.7722	1.2802	2.5603	5.1206	--

Span (mm)	Kg/m						Max load
600	450	950	1450	2450	4850	9800	2440
750	0.04606	0.0813	0.1422	0.2235	0.447	0.8942	2.2149
900	0.1016	0.2032	0.3048	0.508	1.016	2.033	10.2413
1200	0.2032	0.4064	0.6096	1.016	2.0523	4.1047	--
1500	0.6502	1.2802	1.9304	3.2106	6.4008	12.8017	--

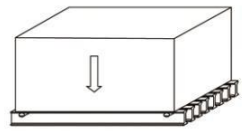




Thickness:50mm
Open area: 60%
3 Core interlocking
rods :62.8kg/m²



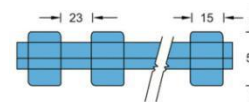
Uniformed load-deflection in mm



Uniformed load-deflection in mm

HL-4020

Span (mm)	Kg/m						Max load
	450	750	1500	3000	4500	6000	
600	0.085	0.153	0.306	0.596	0.902	1.1914	7500
750	0.170	0.272	0.545	1.089	1.634	2.1954	1.4977
900	0.272	0.460	0.919	1.838	2.740	3.659	2.7399
1200	0.772	1.072	2.144	4.289	6.433	8.577	4.5779
Span (mm)	Kg/m						Max load
	1450	2450	4850	9800	14500	19500	
600	0.119	0.187	0.374	0.749	1.123	1.498	2440
750	0.255	0.423	0.851	1.702	2.570	3.421	1.855
900	0.511	0.851	1.719	3.438	5.139	6.858	4.272
1200	1.617	2.689	5.361	10.72	--	--	8.577



Thickness:50mm
Open area: 60% With
3 Core interlocking
rods :43.50kg/m²

HL-6020

Span (mm)	Kg/m						Max load
	450	750	1500	3000	4500	6000	
600	0.127	0.229	0.457	0.889	1.346	1.78	7500
750	0.254	0.405	0.813	1.626	2.438	3.277	2.235
900	0.406	0.686	1.372	2.743	4.089	5.462	4.090
1200	0.965	1.601	3.201	6.401	9.601	12.801	6.833
Span (mm)	Kg/m						Max load
	1450	2450	4850	9800	14500	19500	
600	0.178	0.279	0.559	1.118	1.676	2.235	2440
750	0.381	0.635	1.27	2.55	3.835	5.105	2.767
900	0.762	1.27	2.566	5.131	7.671	10.24	6.375
1200	2.412	4.023	8.001	16.01	--	--	12.81

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
Ammonium oxidation	ALL	190/88	ALL	170/77
Ammonium bicarbonate	50	150/65	15	125/52
Ammonium sulfate	ALL	200/93	ALL	170/77
Calcium carbonate	ALL	180/82	SAT	170/77
Calcium 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 chloride	ALL	200/93	ALL	170/77
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	160/71
Sodium bisulfate	ALL	200/93	ALL	170/77
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
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
Glycerol	100	200/93	100	170/77
Peroxide	30	200/93	5	150/66
Diethylpropanediol	ALL	100/38	ALL	100/38
Distilled water	100	200/93	100	170/77
Benzene	N/R	180/82	N/R	170/77

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



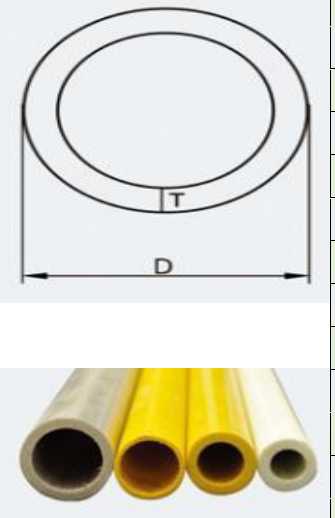
Pultruded profiles

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

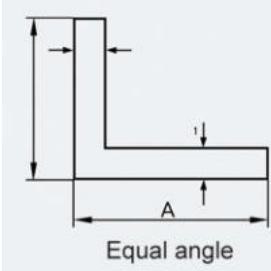
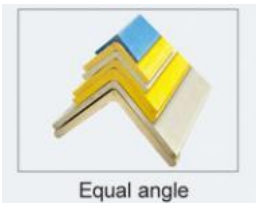
Pultruded profiles are available in a wide variety of shapes, including I beam, equal angle, channel, square tube, round tube, and so on. They are dimensionally stable and easy to install.

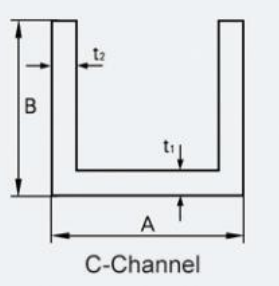
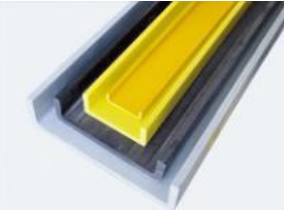
View/instance	Type	Dimension (mm)	Weight (kg/m)
	Square-tube	AxBxT1xT2	
	ST25A	25X25X3.2X3.2	0.53
	ST25B	25X25X6.4X6.4	0.90
	ST32A	32X32X3.2X3.2	0.70
	ST32B	32X32X6.4X6.4	1.24
	ST38A	38X38X3.2X3.2	0.85
	ST38B	38X38X5.0X5.0	1.25
	ST38C	38X38X6.4X6.4	1.54
	ST44A	44X44X3.2X3.2	1.01
	ST44B	44X44X6.4X6.4	1.83
	ST50A	50X50X3.2X3.2	1.14
	ST50B	50X50X3.5X3.5	1.24
	ST50C	50X50X4.0X4.0	1.42
	ST50D	50X50X5.0X5.0	1.74
	ST50E	50X50X6.4X6.4	2.12
	ST54A	54X54X3.2X3.2	1.24
	ST54B	54X54X4.8X4.8	1.78
	ST60A	60X60X5.0X5.0	2.10
	ST64A	60X60X7.5X7.5	2.95
	ST64B	64X64X4.4X4.4	1.97
	ST64C	64X64X6.4X6.4	2.80

 Handrail STH50	ST76A	76X76X3.2X3.2	1.77
	ST76B	76X76X5.0X5.0	2.70
	ST76C	76X76X6.4X6.4	3.39
	ST76D	76X76X9.5X9.5	4.89
	ST89A	89X89X6.4X6.4	3.95
	ST100A	100X100X6X6	4.20
	ST101A	100X100X10X10	6.80
	ST101B	101X101X5.0X5.0	3.61
	ST101C	101X101X6.4X6.4	4.61
	ST101D	110X110X8.0X8.0	6.10
	ST125A	127X127X8X8	7.20
	ST152A	152X152X6.4X6.4	7.10
	ST152B	152X152X9.5X9.5	10.4
	ST152C	152X152X12.7X12.7	13.5
	STR25	25X25X3.175X3.175	0.70
		AxBxT	
		62X59X4.5	1.50
		62X60X5.0	1.70
		AxBxT1xT2	
	STH50	50X50X6.4X5.0	3.0

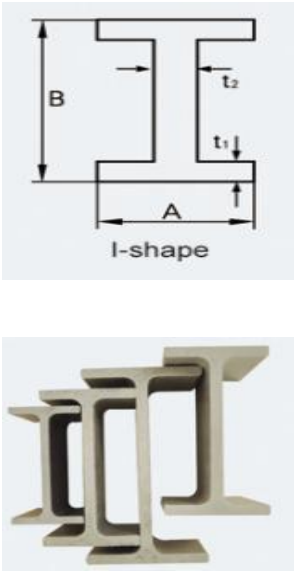
View/instance	Type	Dimension (mm)	Weight (kg/m)
	Round-tube	DxT	
	RT26B	26X4.8	0.63
	RT38B	38X4.0	0.81
	RT38C	38X5.0	1.00
	RT38D	38X6.4	1.18
	RT41	41X4.5	0.98
	RT42C	42X6.4	1.45
	RT48	48X6.4	1.58
	RT50A	50X3.5	0.95
	RT50B	50X4.0	1.10
	RT50C	50X5.0	1.34
	RT50D	50X6.4	1.67
	RT50E	50X3.5	0.96
	RT50.8A	50.8X6.4	1.70
	RT50.8B	50.8X3.2	0.86
	RT64A	64X3.5	1.26
	RT64B	64X6.4	2.38
	RT75	75X4.2	1.80
	RT76	76X6.4	2.64
	RT89C	89X6.4	3.13

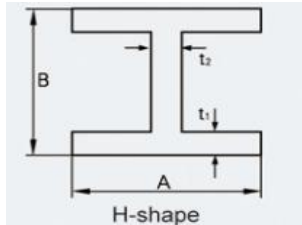
	RT101B	101X5.0	2.90
	RT101C	101X6.4	3.62
		114X6.4	4.11
		114X9.5	5.93
	RT114C	139X25.0	18.0
	RT114D	140X4.0	3.40
	RT150A	150X3.2	2.81
	RT150C	150X6.4	5.50

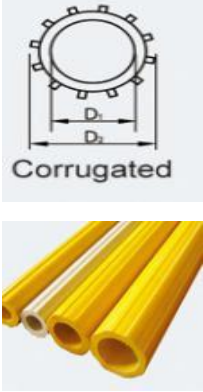
View/instance	Type	Dimension (mm)	Weight (kg/m)
 Equal angle	Equal angle	AxBxT1XT2	
	EL32	32x32x4.0x4.0	0.42
	EL38A	38x38x5.0x5.0	0.68
	EL38B	38x38x6.4x6.4	0.85
 Equal angle	EL45	45x45x4.8x4.8	0.75
	EL50A	50x50x5x5	0.88
	EL50B	50x50x6.4x6.4	1.14
	EL60	75x75x4.0x4.0	1.60
 L-angle	EL76A	76x76x4.8x4.8	1.38
	EL76B	76x76x6.4x6.4	1.77
	EL76C	76x76x9.5x9.5	2.57
	EL76D	76x76x12.7x12.7	3.40
 L70(Special)	EL101A	101x101x6.4x6.4	2.50
	EL101B	101x101x8x8	2.95
	EL101C	101x101x9.5x9.5	3.48
	EL101D	101x101x12.7x12.7	4.57
	EL152A	152x152x6.4x6.4	3.62
	EL152B	152x152x9.5x9.5	5.42
	EL152C	152x152x12.7x12.7	7.01
	L40	40x22x4.0x4.0	0.45
	L76	76x15x6.0x6.0	0.98
	L100	100x50x6.4x6.4	1.80
	L145	145x76x10x10	3.85
	L170	170x76x9.5x9.5	4.40
	L180	180x80x8.0x8.0	3.89
	L254	254x40x6.4x6.4	3.61
	L70(Special)	70x70x24x6.0	3.75

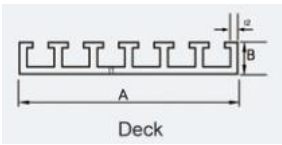
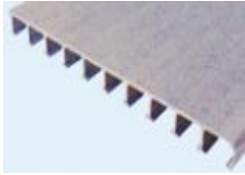
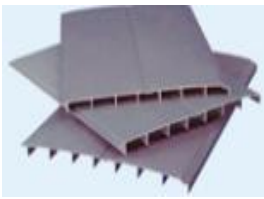
View/instance	Type	Dimension (mm)	Weight (kg/m)
  	C-channel	AxBxT1xT2	
	C25	25x14x3.0x3.0	0.28
	C26	26x18x3.2x3.2	0.30
	C31	31x23x4.0x4.0	0.65
	C32	32x13x3.0x3.0	0.25
	C33	33x29x4.0x4.0	0.65
	C36	36x30x4.0x4.0	0.68
	C40	40x24x3.2x3.2	0.50
	C45	45x28x6.4x6.4	1.07
	C50	50x14x3.2x3.2	0.44
	C52	52x50x6.0x6.0	1.63
	C70	70x30x4.5x4.5	0.95
	C75	75x35x5.0x5.0	1.37
	C76A	76x22x6.4x6.4	1.31
	C76B	76x38x6.4x6.4	1.70
	C80	80x40x10.0x10.0	2.70
	C90A	90x35x5.0x5.0	1.49
	C90B	90x35x8.0x8.0	2.10
	C102A	102x27x3.2x3.2	0.91
	C102B	102x29x4.8x4.8	1.45
	C102C	102x30x4.0x4.0	1.20
	C102E	102x44x4.8x4.8	1.65
	C102F	102x44x6.4x6.4	2.10
	C117	117x85x5.0x5.0	2.70
	C120A	120x25x5.0x5.0	1.52
	C120B	120x30x5.0x5.0	1.62
	C120C	120x40x5.0x5.0	1.81
	C145	145x25x5.0x5.0	1.80
	C150A	150x100x6.4x6.4	4.10
	C150B	150x80x10.0x10.0	5.50
	C152A	152x42x4.8x4.8	2.03
	C152B	152x42x6.4x6.4	2.72
	C152C	152x42x8.0x8.0	3.50
	C152D	152x42x9.5x9.5	3.95
	C152E	152x51x9.5x9.5	4.35
	C160	160x48x8.0x8.0	3.70
	C203A	203x56x6.4x6.4	3.68
	C203B	203x56x9.5x9.5	5.34
	C203C	203x102x12.7x12.7	9.20
	C210A	210x55x5.0x5.0	2.95
	C210B	210x80x5.0x5.0	3.42

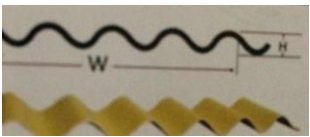
	C210C	210x85x5.0x5.0	3.52
	C240A	240x72x8.0x8.0	5.70
	C240B	240x115x5.0x5.0	4.40
	C254	254x70x12.7x12.7	8.90
	C292	292x70x12.7x12.7	9.80
	C300	300x55x5.0x5.0	3.85
	C310A	310x115x5.0x5.0	5.10
	C381	381x90x10.0x10.0	10.5
	C436	436x90x10.0x10.0	11.7
	C491	491x90x12.0x12.0	14.3
	C610	610x76x6.4x6.4	9.20

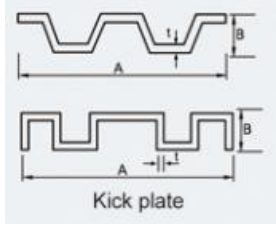
View/instance	Type	Dimension (mm)	Weight (kg/m)
	I-shape	AxBxT1xT2	
	IB32	32x15x6.4x4.0	0.51
	IB38A	38x30x3.0x3.0	0.53
	IB45A	45x9.0x180x12.0	5.40
	IB102A	102x50x6.4x6.4	2.40
	IB102B	102x50x8.0x8.0	3.00
	IB152A	152x76x6.4x6.4	3.59
	IB152B	152x76x9.5x9.5	5.32
	IB152C	152x127x9.5x9.5	7.10
	IB152D	152x127x12.7x12.7	9.20
	IB203A	203x102x9.5x9.5	7.20
	IB203B	203x102x12.7x12.7	9.50
	IB240	240x120x12x12	10.50
	IB254A	254x127x9.5x9.5	11.90
	IB305A	305x152x9.5x9.5	10.74
	IB305B	305x152x12.7x12.7	14.30

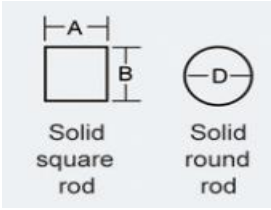
View/instance	Type	Dimension (mm)	Weight (kg/m)
	H-shape	AxBxT1xT2	
	HB76	76x76x6.4x6.4	2.67
	HB102A	102x102x6.4x6.4	3.59
	HB102B	102x102x8.0x8.0	4.50
	HB152A	152x152x6.4x6.4	5.43
	HB152B	152x152x9.5x9.5	8.10
	HB203A	203x203x9.5x9.5	10.80
	HB203B	203x203x12.7x12.7	14.36
	HB203C	203x203x6.4x6.4	7.50
	HB254A	254x254x9.5x9.5	13.60
	HB254B	254x254x12.7x12.7	18.04
	HB305	305x305x12.7x12.7	21.50

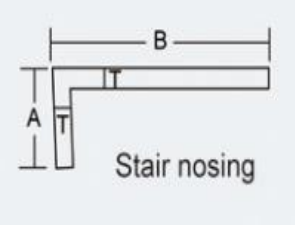
View/instance	Type	Dimension (mm)	Weight (kg/m)
	Corrugated round tube	D1xD2xT	
	CT32A	19x32x6.4	1.11
	CT32B	25x32x3.5	0.66
	CT32C	22x32x5.0	0.99
	CT34A	19x34x7.5	1.30
	CT36A	36x22x5	1.1
	CT36B	36x26x3	0.74
	CT45B	32x45x6.4	1.10
	CT51	51x36x7.0	1.75
	CT90A	71x90x9.5	5.70

View/instance	Type	Dimension (mm)	Weight (kg/m)
 	Deck	AxT1xBxT2	
		305x6x54x6	5.40
		305x6.4x47.5x6.4	8.5
		500x4.5x40x4.5	9.0
		500x5.0x40x5.0	10.5
		500x5.0x48.5x6.4	12.8
		A1xT1xA2xT2xBxT3	
		500X6.0X450X6.0X48.5X6.0	17.4
		500X6.0X450X6.0X48.5X9.0	19.5
		650X13.0X550X13.0X98.5X12.0	54.5
		725X4.5X675X4.5X45X4.5	17.9
		AxT1xBxT2	
		605x3.2x28.7x5.0	6.0

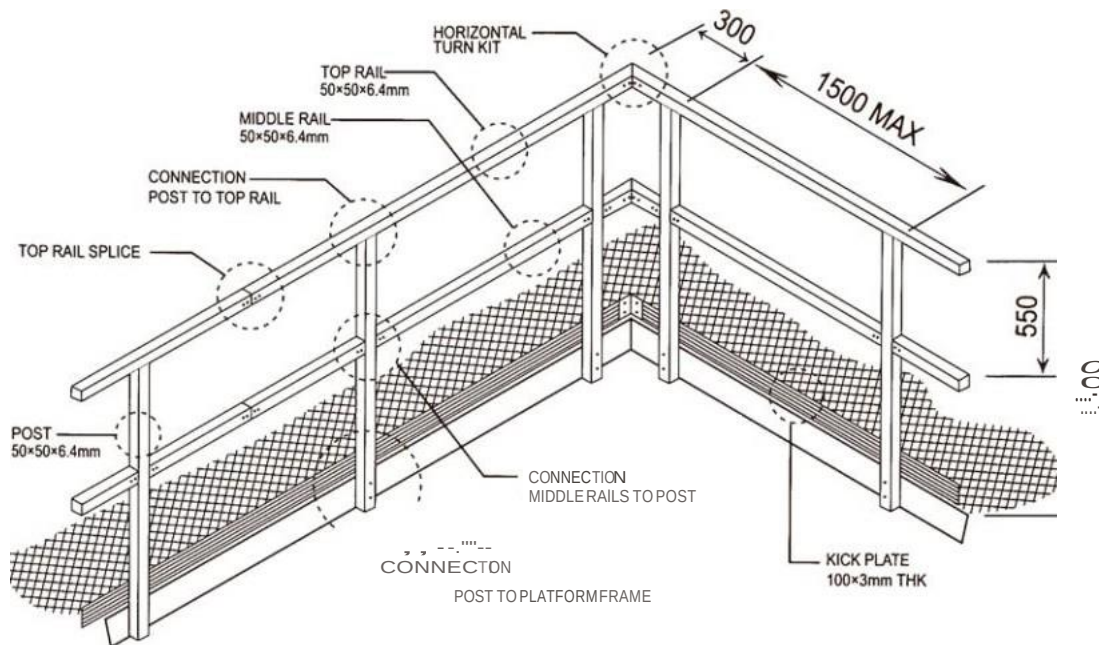
View/instance	Type	Dimension (mm)	Weight (kg/m)
	Roof plate		
	Roof plate -A	1000x50.8x4	9.1
	Roof plate-B	750x38x2.8	5.0

View/instance	Type	Dimension (mm)	Weight (kg/m)
	Kick plate	AxBxT	
	M2	100x13x3 M-shape	1.10
	M3	100x16x5.0 M-shape	1.30
	M4	148x12x4 M-shape	1.27
	W1	100x19x5.0 W-shape	1.36
	W2	100x15x3.2 W-shape	1.10
	W3	150x15x3.2 W-shape	1.60

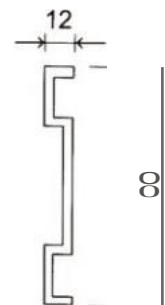
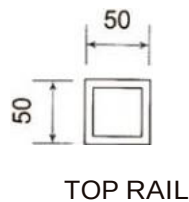
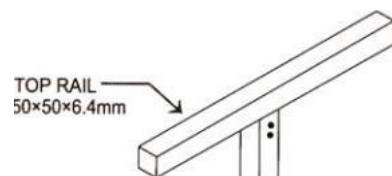
View/instance	Type	Dimension (mm)	Weight (kg/m)
 	Solid square rod	AxB	
	SSR25	25x25	1.23
	SSR32	32x32	2.00
	SSR38	38x38	2.80
	Solid round rod	D	
	SRR60	6.0	0.08
	SRR95	9.5	0.14
	SRR127	12.7	0.26
	SRR27	27	1.08
	SRR328	31.8	1.51
	SRR380	38.0	2.15
	SRR42	4.2	0.03
	SRR80	8.0	0.10
	SRR16	16	0.41
	SRR19	19	0.55
	SRR20	20	0.62
	SRR22	22	0.72

View/instance	Type	Dimension (mm)	Weight (kg/m)
 	Stair nosing	AxBxT	
		25x60x3.0	0.5
		25x50x3.0	0.45
		30x70x4.0	0.75
		30x70x3.2	0.7
		30x90x3.0	0.72
	Round angle	38x230x3.2	1.65
		40x254x6.4	3.55
		50x90x3.2	0.85
		50x140x3.2	1.19
		30x76x3.0	0.6
		30x76x4.0	0.8
	Square angle	30x100x3.2	0.85
		30x152x3.2	1.2
		30x230x3.2	1.7
		55x300x4.0	2.8
		55x400x3.2	2.8

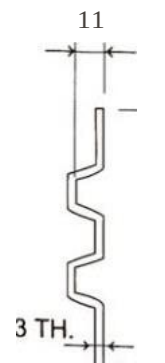
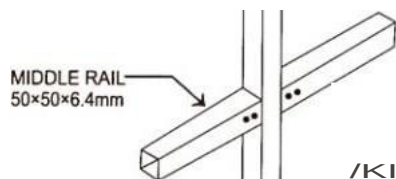
FIBERGLASS SQUARE HANDRAIL SYSTEM



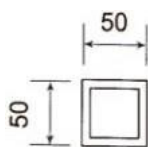
FRP HANDRAIL (ISOMETRIC VIEW)



KICK PLATE M-SHAPE



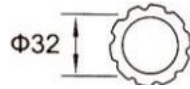
KICK PLATE W-SHAPE



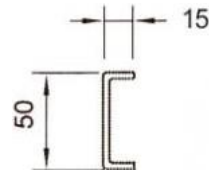
TYPICAL DETAIL



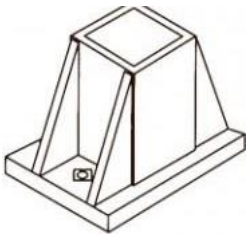
Side Rail



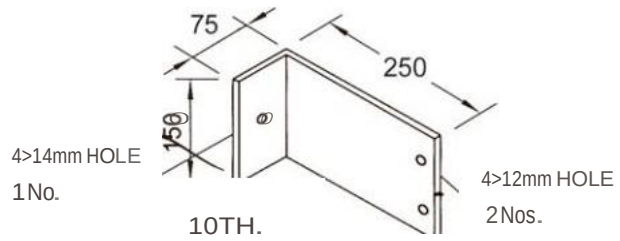
Fluted Tube
(Rung)



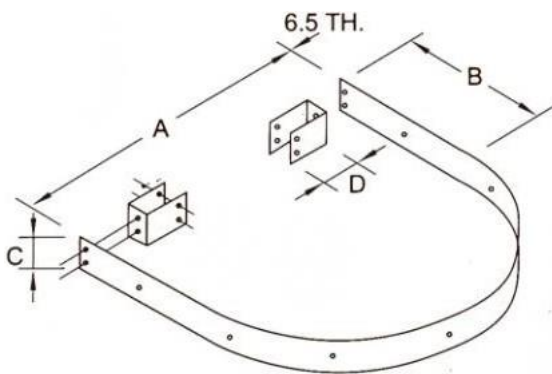
C-Channel (vertical Bar)



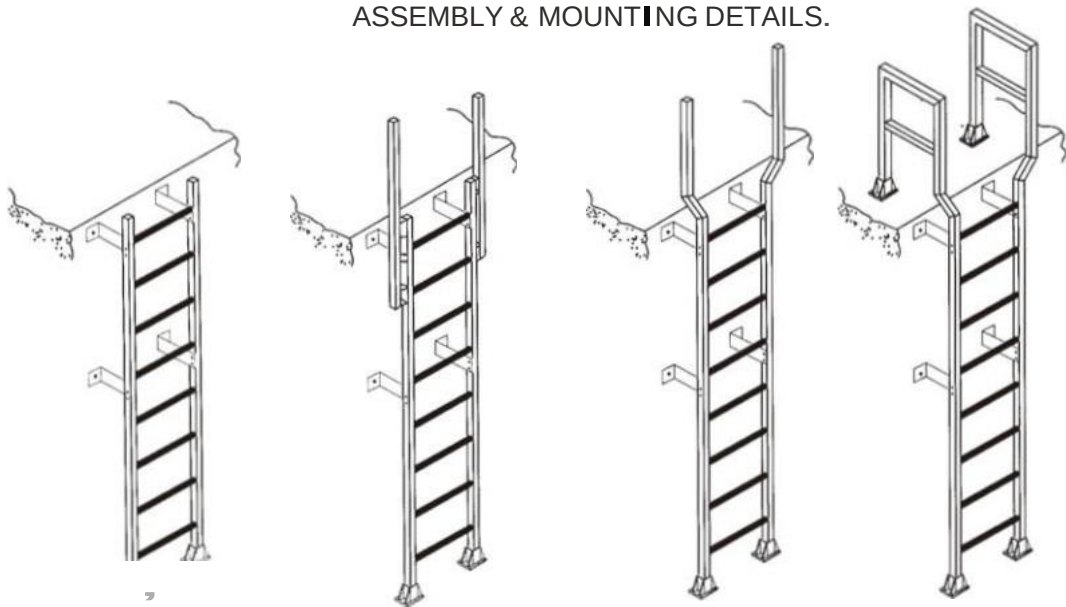
Floor Mounting Bracket



Wall Mounting Bracket



ASSEMBLY & MOUNTING DETAILS.

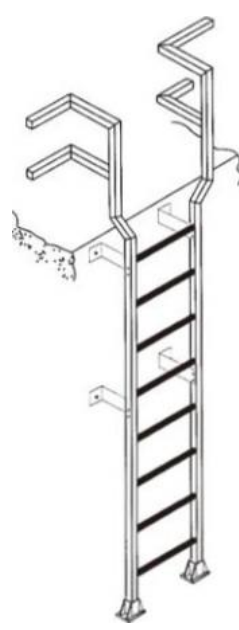


Ladder 400 mm

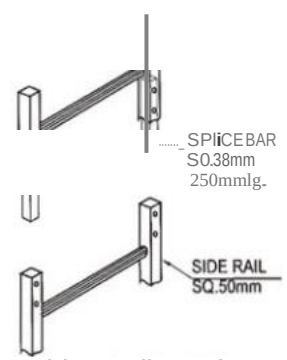
Ladder with 600 mm Walk-thru

Ladder with 750 mm Walk-thru

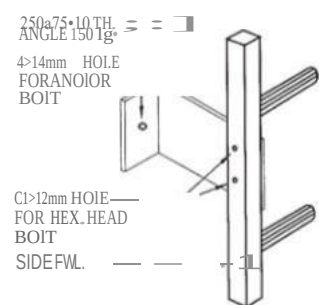
Ladder with Walk-thru and Handrail connections to floor



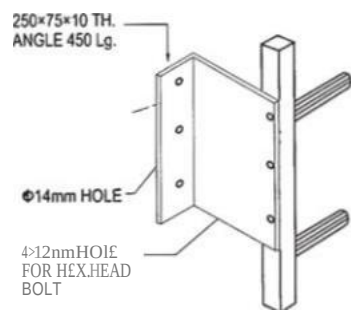
Ladder with Walk-thru and Handrail Connections



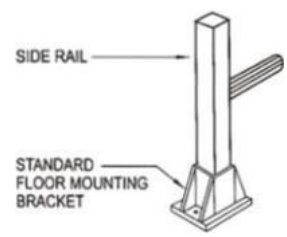
Ladder Splice Kit



Standard Wall Mount Kit



Bottom Wall Mount Kit



Floor Mount Kit

Project Pictures

