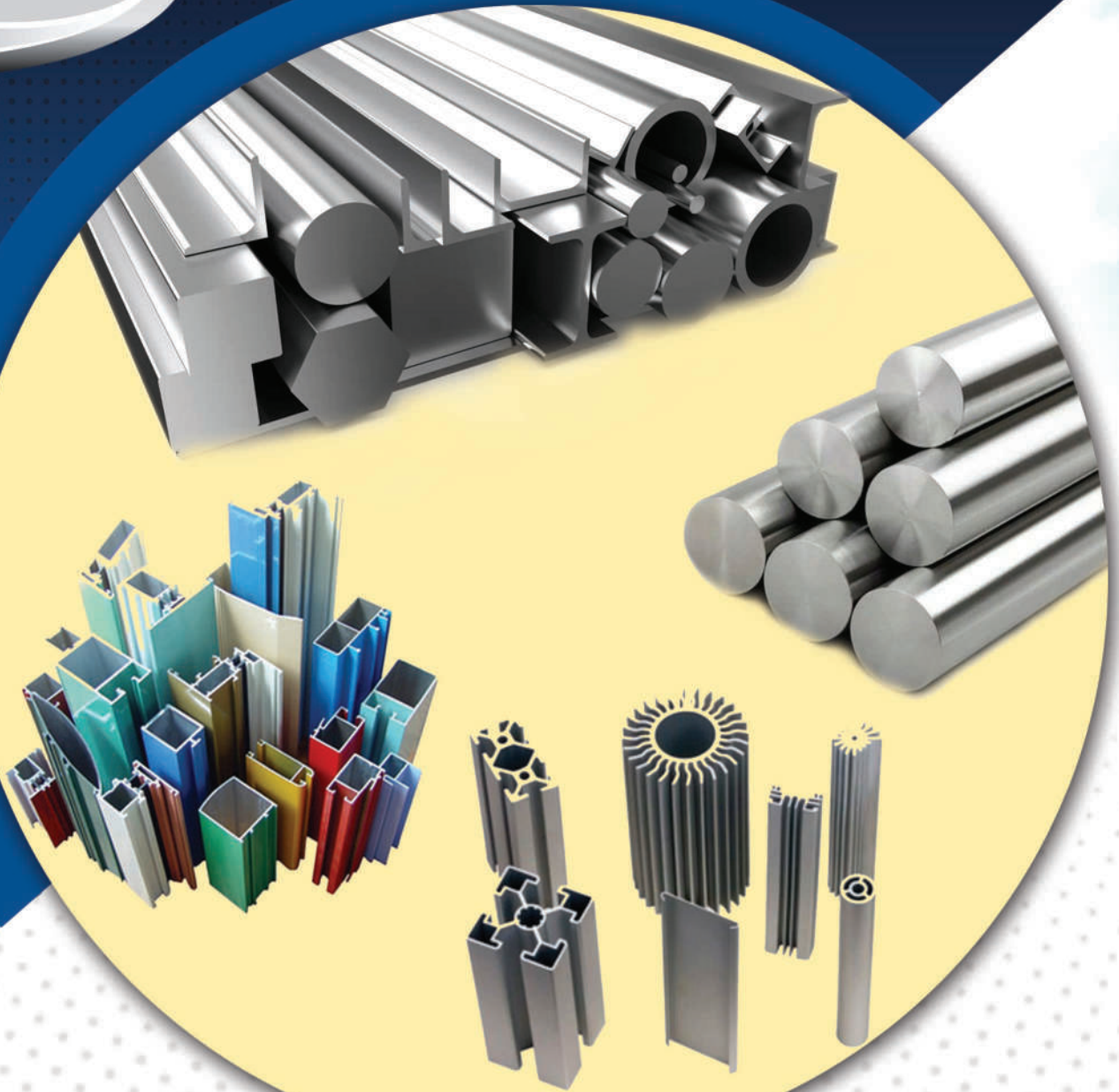




KAMAKHYA ANODIZE & COATING™

AN ISO 9001: 2015

EXTRUSION SECTION FROM **JINDAL** ALUMINIUM
QUALITY ANODIZING, ELECTRO COLORING & POWDER COATING

Exclusive Dealer of
JINDAL ALUMINIUM LTD.

GST : 18A0HPP8717J2ZB





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INTRODUCTION



We take privilege to introduce "KAMAKHYA ANODIZE & COATING" as a proprietorship firm engaged in anodizing and powder coating plant in north east, india. Being in the aluminium profile trading business for the last 15 years, we have the upper edge in knowing quality standards. Then ,now as we have joined hands with JINDAL ALUMINIUM (which in India's largest and the best in class manufacturer of aluminium profile). We can cater to the huge variety of extruded profile demanded by our customers.



OUR VISION

"To be a premium metals major, global in size and reach, with a passion for excellence."

OUR MISSION



To develop impeccable methods of manufacturing best in class aluminium profiles. Emphasize extensively on quality of products delivery standards, post sale service and communication. To supply premium quality products to customers to always strive to improve. Fostering team work and passion towards customer delight.



OUR VALUES

Integrity, Commitment, Passion, Seamlessness, Speed

QUALITY POLICY



We, at **KAMAKHYA ANODIZE & COATING**, shall aim to achieve and sustain excellence in all our activities. We are committed to total customer satisfaction by providing products and services which meet or exceed the customers expectations.

Modernization of the manufacturing facilities, stresses on technological innovation and training of employees at all levels shall be a continuous process in **KAMAKHYA ANODIZE & COATING**.

A motivated workforce with a sense of pride in the organization shall lead us towards total quality.

POWDER COATING



Among the many finishing options for aluminum extrusion products, powder coating is the most favoured, durable, and cost-effective alternative. Whether for products used in the home or in commercial businesses, powder coating increases protection from cold, heat, corrosion, scratching or even bleaching under the hot sun.

Advantages of Powder Coating Finishes -

Powder coating finishes offer a number of benefits in addition to their cost effectiveness :

The coating is fusion bonded and forms a thicker coating, providing better protection and longer product life.

Since there are no solvents used, no volatile organic compounds (VOC) are released into the atmosphere, which makes the process more environmentally friendly than liquid finishing.

Powder coating does not involve harmful carcinogens, unlike the liquid spray paint finish method.

The wastes produced during the process can be recycled or disposed of in an environmentally friendly manner.

Powder coating processes require significantly less energy for production.

Powder coating is an excellent alternative for creating a functional and beautiful finish for aluminum extrusion products.



ANODIZING & COLOURING FACILITY

Aluminum Anodizing is an electro-chemical process that creates a protective layer on the aluminum surface of a product to offer extended resistance to corrosion, as well as aesthetic enhancement.

Preparing Products for Aluminum Anodizing

The process of aluminum anodizing involves reinforcing the naturally occurring process of oxidization, which can utilize one of several possible methods. It is an electrolytic process where the most commonly used electrolyte is sulfuric acid, although chromic acid, oxalic acid, organic acid or phosphorous acid can also be employed. In the process, the metal to be oxidized becomes the anode electrode in the electrical circuit, and thus the term anodizing.

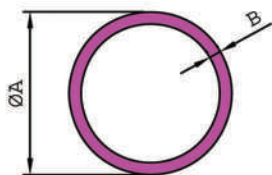
The aluminum product is placed on an electrically conductive rack, which is also made of aluminum or other exotic and electrically conductive materials such as titanium. A cleaning process is performed and the product is treated with either an etched or bright finish. An etched finish is a flat or dull finish that is effected through an alkaline bath, whereas a bright finish is achieved through a more acidic bath for a shiny or glossy surface.

Colouring Products in Aluminum Anodizing

An anodized aluminum product can be used once the clear finish is in place, or colour can be added. For colourizing, the product is moved to another bath that contains organic dyes, similar to those used in the food industry. The dye fills in the microscopic "straws" that were created in the anodizing process. The length of exposure to the dyes in the bath determines the depth or intensity of the colour. For example, blue will eventually become black if left for the appropriate amount of time.

After colourization, the product's new finish is sealed in a hot water and chemical process, passing through multiple steps between at 70 to 97 degrees Celsius. This closes in the honeycomb of straws created during the anodization process to lock in the colour for long life.

ROUND TUBES



SL. No.	Section No.	ØA	B	Weight kg/m
1	13422	5.60	1.20	0.045
2	13311	6.20	0.90	0.040
3	13125	6.20	1.20	0.050
4	13630	6.35	1.22	0.053
5	13176	6.35	1.50	0.062
6	13245	6.35	2.07	0.075
7	13576	7.25	1.42	0.070
8	13118	7.40	1.50	0.075
9	13286	7.75	1.00	0.057
10	13481	7.80	1.00	0.058
11	13255	8.00	1.00	0.059
12	13355	8.00	1.20	0.069
13	13036	8.00	1.27	0.072
14	13063	8.00	1.50	0.083
15	13445	8.00	2.00	0.102
16	13149	8.30	1.45	0.084
17	13670	8.46	0.68	0.045
18	13602	8.60	0.80	0.053
19	13265	8.80	2.65	0.138
20	13208	9.00	0.53	0.038
21	13329	9.05	1.00	0.063
22	13326	9.20	0.78	0.056
23	13284	9.35	0.55	0.041
24	13209	9.35	0.64	0.048
25	13553	9.35	0.65	0.048
26	13163	9.50	1.35	0.093
27	13144	9.52	0.78	0.058
28	13003	9.52	0.92	0.067
29	13210	9.52	1.00	0.073
30	13303	9.52	1.13	0.080
31	13001	9.52	1.22	0.086
32	13002	9.52	1.63	0.109
33	13536	9.70	1.40	0.099
34	13647	9.75	2.13	0.138
35	13394	10.00	0.80	0.062
36	13524	10.00	0.82	0.064
37	13097	10.00	1.00	0.076
38	13093	10.00	1.50	0.108
39	13436	10.50	0.51	0.043
40	13381	10.50	1.70	0.127
41	13159	10.80	1.40	0.112
42	13578	11.00	0.42	0.038
43	13207	11.00	0.48	0.043
44	13488	11.00	3.00	0.204
45	13396	11.10	1.00	0.086
46	13277	11.11	1.60	0.129
47	13227	11.70	0.65	0.061
48	13231	12.00	0.48	0.047
49	13181	12.00	0.55	0.054
50	13145	12.00	0.72	0.068

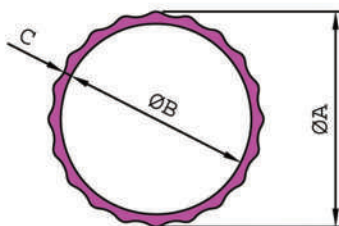
SL. No.	Section No.	ØA	B	Weight kg/m
51	13130	12.00	0.91	0.086
52	13128	12.00	1.00	0.093
53	13462	12.00	3.00	0.229
54	13004	12.70	0.86	0.086
55	13005	12.70	1.19	0.116
56	13006	12.70	1.63	0.153
57	13007	12.70	2.03	0.184
58	13058	12.70	2.20	0.196
59	13608	12.70	2.55	0.220
60	13263	13.00	1.00	0.102
61	13126	13.00	1.85	0.175
62	13664	14.00	0.87	0.097
63	13234	14.00	1.55	0.164
64	13237	14.00	3.10	0.287
65	13067	14.50	1.22	0.137
66	13211	15.00	0.54	0.066
67	13182	15.00	0.60	0.073
68	S4412	15.00	1.00	0.119
69	13008	15.00	2.00	0.221
70	13267	15.00	4.75	0.413
71	13228	15.20	0.72	0.088
72	13465	15.40	3.20	0.331
73	13621	15.50	2.35	0.262
74	13009	15.88	0.92	0.117
75	13212	15.88	0.96	0.121
76	13010	15.88	1.22	0.152
77	13011	15.88	1.63	0.197
78	13459	15.88	2.00	0.235
79	13012	15.88	2.38	0.272
80	13274	16.00	1.00	0.127
81	13070	16.00	2.20	0.257
82	13124	16.00	2.75	0.309
83	13334	16.90	2.45	0.300
84	13232	17.00	0.56	0.078
85	13169	17.00	2.60	0.318
86	13071	17.10	2.10	0.267
87	13157	18.00	0.60	0.089
88	13492	18.00	1.30	0.184
89	13132	18.00	1.63	0.226
90	13185	18.00	2.00	0.271
91	13579	18.50	0.47	0.072
92	13213	18.50	0.51	0.078
93	13612	18.50	0.54	0.082
94	13183	18.50	0.60	0.091
95	13146	18.50	0.72	0.108
96	13643	18.50	1.00	0.148
97	S4255	18.60	1.15	0.170
98	13165	19.00	1.15	0.174
99	13335	19.00	2.65	0.367
100	13257	19.05	0.82	0.127
101	13013	19.05	0.92	0.141
102	13214	19.05	0.95	0.145
103	13014	19.05	1.12	0.171
104	13368	19.05	1.20	0.182
105	13304	19.05	1.30	0.195
106	13015	19.05	1.63	0.241
107	13016	19.05	1.70	0.249
108	13460	19.05	2.00	0.289

SL. No.	Section No.	ØA	B	Weight kg/m
109	13017	19.05	2.50	0.351
110	13461	19.05	3.18	0.428
111	13645	19.50	1.50	0.229
112	13072	19.60	2.30	0.337
113	13150	19.60	2.40	0.350
114	13035	19.60	3.05	0.428
115	13347	19.80	6.20	0.715
116	13359	20.00	1.00	0.161
117	13018	20.00	1.25	0.199
118	13409	20.00	1.50	0.235
119	13113	20.00	1.63	0.254
120	13251	20.00	3.15	0.450
121	13272	21.00	5.10	0.688
122	13336	21.10	3.00	0.460
123	S4491	21.18	1.60	0.266
124	13107	21.20	2.55	0.403
125	13615	21.40	4.80	0.676
126	13073	21.50	2.50	0.403
127	13168	21.70	3.10	0.489
128	13262	22.00	0.55	0.099
129	13253	22.00	0.85	0.152
130	13626	22.00	1.00	0.178
131	13603	22.00	1.20	0.212
132	13562	22.00	1.25	0.220
133	13561	22.00	1.60	0.277
134	13238	22.00	4.10	0.623
135	13589	22.00	5.00	0.721
136	13019	22.22	0.88	0.159
137	13376	22.22	1.20	0.214
138	13061	22.22	1.60	0.280
139	13278	22.23	1.00	0.180
140	S4492	22.30	1.60	0.281
141	13384	23.00	1.40	0.257
142	13427	23.00	3.00	0.509
143	13108	23.70	2.85	0.504
144	13337	23.90	3.65	0.626
145	13147	24.00	0.84	0.165
146	13308	24.00	1.25	0.241
147	13133	24.00	1.63	0.309
148	13080	24.00	2.75	0.496
149	13523	25.00	1.00	0.204
150	13117	25.00	1.22	0.246
151	13034	25.00	1.50	0.299
152	13363	25.00	1.50	0.299
153	13470	25.00	1.50	0.299
154	13020	25.00	2.00	0.390
155	13566	25.00	2.00	0.390
156	13021	25.00	2.50	0.447
157	13122	25.00	4.00	0.713
158	13378	25.00	6.45	1.015
159	13369	25.40	0.83	0.173
160	13215	25.40	0.87	0.181
161	13222	25.40	1.00	0.207
162	13305	25.40	1.06	0.219
163	13022	25.40	1.22	0.250
164	13306	25.40	1.22	0.250
165	13577	25.40	1.30	0.266
166	13023	25.40	1.60	0.323

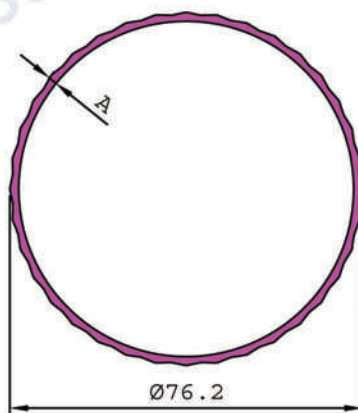
* All dimension in mm.

FLUTED ROUND TUBES

FLUTED ROUND TUBES



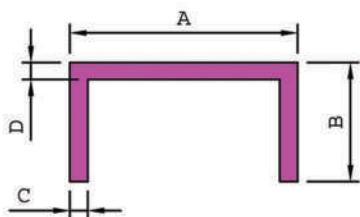
SL. No.	Section No.	ØA	ØB	C	Weight kg/m
1	14904	18.50	16.75	0.67	0.114
2	14907	18.50	17.33	0.38	0.074
3	14913	18.80	16.70	0.70	0.127
4	14901	19.05	16.90	0.70	0.130
5	14910	20.50	17.70	0.90	0.186
6	14909	20.70	19.20	0.52	0.109
7	14915	24.00	22.62	0.49	0.114
8	14903	24.80	22.60	0.70	0.179
9	14916	24.80	22.97	0.67	0.156
10	14906	24.80	23.56	0.416	0.107
11	14921	24.80	22.84	0.40	0.148
12	14902	25.40	20.34	1.83	0.410
13	14914	25.40	22.01	0.93	0.252
14	14912	25.40	22.07	0.90	0.247
15	14908	25.40	22.20	0.79	0.226
16	14917	25.40	22.68	0.60	0.189
17	14919	25.40	20.80	1.60	0.370
18	14905	28.00	25.50	0.80	0.237
19	14911	28.00	26.32	0.63	0.171
20	14918	32.06	27.00	1.83	0.533
21	14920	37.00	33.00	1.50	0.511



SL. No.	Section No.	A	Weight kg/m
1	S4879	1.60	0.839
2	22585	1.90	1.024

* All dimension in mm.

CHANNEL AND TEES



SL. No.	Section No.	A	B	C	D	Weight kg/m
1	15660	5.50	10.90	1.10	1.10	0.074
2	15601	6.25	10.30	1.30	2.00	0.092
3	15693	6.60	9.50	0.80	0.80	0.052
4	15679	7.50	7.50	0.60	0.60	0.034
5	15666	7.80	6.90	0.49	0.49	0.027
6	15626	8.00	6.00	1.50	1.50	0.069
7	15715	8.00	7.00	0.36	0.36	0.021
8	15602	8.75	9.50	1.20	1.50	0.087
9	15635	9.00	8.00	0.57	0.57	0.037
10	15776	9.30	9.30	0.55	0.55	0.040
11	15778	9.40	9.40	0.90	0.90	0.064
12	15771	8.75	9.50	1.10	1.40	0.081
13	S4739	8.75	9.75	1.50	1.50	0.102
14	15784	9.00	15.00	1.20	1.20	0.118
15	15603	9.52	9.52	0.57	0.57	0.042
16	15673	9.52	9.52	0.76	0.76	0.055
17	15702	9.52	9.52	0.95	0.95	0.068
18	15650	9.52	9.52	1.15	1.15	0.081
19	15604	9.52	9.52	1.60	1.60	0.110
20	15672	9.52	12.50	1.65	1.65	0.139
21	15706	10.00	12.00	2.80	2.80	0.214
22	15717	10.00	12.00	2.80	2.80	0.215
23	15668	11.70	11.70	0.51	0.51	0.047
24	15667	11.80	8.50	0.52	0.52	0.039
25	15622	12.00	9.00	0.62	0.62	0.048
26	15767	12.00	10.00	1.20	1.20	0.096
27	15724	12.00	15.00	1.80	1.80	0.186
28	15749	12.00	20.00	2.00	2.00	0.259
29	15740	12.50	15.00	1.00	1.00	0.109
30	15621	12.70	12.70	0.57	0.57	0.057
31	15674	12.70	12.70	0.85	0.85	0.083
32	15605	12.70	12.70	1.09	1.09	0.105
33	15606	12.70	12.70	2.38	2.38	0.213
34	15676	13.50	11.00	2.30	2.30	0.192
35	15726	14.00	14.00	1.00	1.00	0.108
36	15681	14.30	18.00	1.20	1.20	0.154
37	15692	14.50	14.50	0.90	0.90	0.101
38	15607	15.00	10.00	1.60	1.60	0.137
39	15630	15.00	12.00	1.10	1.10	0.109
40	15698	15.00	15.00	1.20	1.20	0.138
41	15659	15.00	15.00	2.00	2.00	0.221
42	15664	15.40	15.40	1.40	1.40	0.164
43	S5338	15.87	16.51	2.99	6.35	0.435
44	15783	16.00	4.00	1.50	1.50	0.085
45	15782	16.95	9.85	1.20	1.20	0.111
46	15696	16.00	16.00	1.20	1.20	0.148
47	15675	16.00	19.00	1.20	1.20	0.167
48	15669	16.80	10.50	0.49	0.49	0.049
49	15642	17.00	10.50	0.63	0.63	0.062
50	15629	18.00	12.00	1.10	1.10	0.118

SL. No.	Section No.	A	B	C	D	Weight kg/m
51	15741	19.00	15.00	1.00	1.00	0.127
52	15694	19.00	19.00	1.00	1.00	0.149
53	15619	19.05	12.70	1.25	1.25	0.141
54	15608	19.05	19.05	1.63	1.63	0.237
55	15684	20.00	10.00	1.40	1.40	0.140
56	15747	20.00	20.00	1.00	1.00	0.156
57	15665	20.00	20.00	3.00	3.00	0.438
58	15785	20.30	20.30	2.00	2.00	0.307
59	15735	20.64	19.84	1.98	1.98	0.301
60	15670	22.00	10.00	0.62	0.62	0.069
61	15695	22.00	19.00	1.10	1.10	0.172
62	15712	22.00	20.00	1.10	1.10	0.178
63	15627	22.20	12.70	1.10	1.10	0.135
64	15719	22.40	14.22	1.52	1.52	0.195
65	15643	23.00	10.80	0.68	0.68	0.079
66	15646	23.00	11.00	1.19	1.19	0.136
67	15661	23.00	11.00	1.45	1.45	0.165
68	15662	23.00	11.00	1.62	1.62	0.182
69	15663	23.00	11.00	1.97	1.97	0.218
70	15742	23.00	15.00	1.00	1.00	0.137
71	15678	23.00	23.00	1.10	1.10	0.198
72	15632	24.00	11.00	1.20	1.20	0.141
73	15677	24.00	12.50	1.90	1.90	0.232
74	15700	24.60	4.00	1.10	1.20	0.096
75	15768	24.60	24.60	2.50	2.50	0.464
76	15763	25.00	15.00	5.00	6.00	0.661
77	15733	25.00	20.00	1.10	1.10	0.186
78	15769	25.00	30.00	2.50	2.50	0.540
79	15786	25.00	50.00	2.00	2.00	0.653
80	15718	25.16	19.03	1.40	1.40	0.228
81	15710	25.20	4.10	1.00	1.00	0.085
82	15633	25.40	12.70	1.22	1.22	0.159
83	15705	25.40	12.70	1.88	1.88	0.238
84	15634	25.40	12.70	2.00	3.00	0.311
85	15610	25.40	12.70	3.18	3.18	0.381
86	27418	18.00	4.50	2.40	3.20	0.171
87	15611	25.40	19.05	3.18	3.18	0.491
88	15775	25.40	25.40	1.20	1.20	0.239
89	15612	28.58	25.40	3.00	3.00	0.594
90	15647	30.00	13.00	0.90	0.90	0.130
91	15657	30.00	30.00	3.00	3.00	0.681
92	15618	31.50	19.00	3.00	3.00	0.514
93	15686	31.75	12.70	1.56	1.56	0.228
94	15613	31.75	12.70	3.18	3.18	0.435
95	15685	32.00	3.50	1.20	1.50	0.142
96	28048	33.00	7.00	5.00	5.00	0.499
97	15648	37.00	15.00	0.85	0.85	0.147
98	15743	38.00	15.00	1.00	1.00	0.178
99	15748	38.00	25.00	3.00	3.00	0.664
100	15649	38.10	12.00	2.50	2.50	0.385
101	15732	38.10	19.05	1.59	1.59	0.313
102	15682	38.10	19.05	2.40	2.40	0.462
103	15614	38.10	19.05	3.22	3.22	0.607
104	15751	38.10	38.10	3.18	3.18	0.926
105	S4402	39.00	20.60	2.00	2.00	0.411
106	15739	40.00	20.00	1.10	1.10	0.231
107	15708	40.00	20.00	1.20	1.20	0.251
108	15774	40.00	20.00	1.50	1.50	0.311

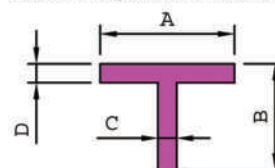
* All dimension in mm.

Contd...

CHANNEL AND TEES

SL. No.	Section No.	A	B	C	D	Weight kg/m
109	15697	40.00	20.00	1.80	1.80	0.371
110	15658	40.00	40.00	4.00	4.00	1.210
111	15625	40.00	40.00	5.00	5.00	1.485
112	15699	42.50	25.00	2.00	2.00	0.478
113	15744	44.00	15.00	1.00	1.00	0.194
114	15615	44.00	25.40	2.95	2.95	0.708
115	15781	44.00	28.00	1.78	1.78	0.463
116	15620	44.45	25.40	3.18	4.78	0.928
117	15738	45.00	20.00	1.10	1.10	0.246
118	15720	45.00	30.00	3.00	3.00	0.802
119	15713	45.00	37.00	2.00	2.00	0.621
120	15688	45.00	54.00	2.00	2.00	0.805
121	15745	50.00	15.00	1.00	1.00	0.210
122	15734	50.00	20.00	1.10	1.10	0.260
123	15730	50.00	25.00	1.80	1.80	0.468
124	15637	50.00	40.00	5.00	5.00	1.620
125	15683	50.80	25.40	3.00	3.00	0.773
126	15656	50.80	25.40	4.76	4.76	1.183
127	15701	50.80	25.40	6.59	7.35	1.650
128	15773	50.80	50.80	3.18	3.18	1.254
129	15728	67.00	39.00	2.80	2.80	1.053
130	15691	68.00	22.00	1.20	1.20	0.354
131	15765	75.00	35.00	4.00	4.00	1.479
132	15716	76.00	32.00	5.00	2.20	1.256
133	15617	76.20	50.80	3.18	3.18	1.472
134	15707	76.40	19.20	1.90	1.20	0.432
135	15770	90.00	75.00	12.50	17.50	8.133
136	15746	99.00	15.00	1.10	1.10	0.376
137	15762	100.00	25.00	1.50	1.50	0.595
138	15680	100.00	25.00	2.00	2.00	0.788
139	15709	100.00	30.00	1.10	1.10	0.468
140	15736	100.00	30.00	1.50	1.50	0.635
141	15766	100.00	50.00	10.00	10.00	4.860
142	S4410	100.00	103.00	2.50	2.50	2.031
143	15725	101.60	50.80	5.00	5.00	2.608
144	15723	101.60	50.80	6.35	6.35	3.266
145	15703	110.00	25.00	2.00	2.00	0.842
146	15780	120.00	50.00	8.00	8.00	4.406
147	15779	120.00	60.00	8.00	8.00	4.838
148	15729	130.00	67.50	11.60	11.60	7.573
149	15777	130.00	50.00	7.00	7.00	4.082
150	15764	134.00	32.00	10.00	8.00	4.190
151	15750	150.00	50.00	4.00	4.00	2.613
152	15772	152.40	63.50	7.60	4.60	4.310

TEES - SQUARE FILLET TOES

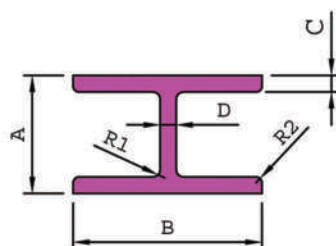


SL. No.	Section No.	A	B	C	D	Weight kg/m
1	17720	9.00	30.50	7.00	9.00	0.625
2	16134	11.50	11.50	0.58	0.58	0.035
3	16127	12.70	12.70	0.56	0.56	0.038
4	16102	12.70	12.70	1.70	1.70	0.109
5	16135	17.00	17.00	0.51	0.51	0.046
6	16141	18.80	18.80	2.00	2.00	0.192
7	16139	18.80	18.80	2.30	2.30	0.219
8	16128	19.05	19.05	0.66	0.66	0.067
9	16103	19.05	19.05	1.45	1.45	0.144
10	16143	19.05	19.05	1.00	1.00	0.100
11	16104	19.05	19.05	3.18	3.18	0.299
12	16142	21.70	22.50	1.80	1.80	0.206
13	16124	24.00	24.00	2.16	2.16	0.268
14	16144	24.00	24.00	0.73	0.73	0.093
15	16153	24.00	27.00	10.50	6.00	0.984
16	16140	24.00	31.00	4.40	4.40	0.601
17	16154	25.00	15.00	1.00	1.00	0.105
18	16131	25.40	25.40	0.83	0.83	0.111
19	16129	25.40	25.40	1.22	1.22	0.163
20	16108	25.40	25.40	1.60	1.60	0.212
21	16125	25.40	25.40	2.60	2.60	0.338
22	28242	27.50	16.00	11.00	3.00	0.608
23	S5301	28.00	16.00	3.00	8.00	0.507
24	16152	31.00	19.35	1.75	1.75	0.229
25	16111	31.75	31.75	1.60	1.60	0.267
26	16112	31.75	38.10	1.60	1.60	0.294
27	28058	35.50	66.50	12.50	7.00	2.679
28	16136	38.00	38.00	2.00	2.00	0.400
29	16155	38.10	38.10	1.50	1.50	0.302
30	16118	38.10	38.10	1.60	1.60	0.322
31	16115	38.10	38.10	3.18	3.18	0.627
32	16121	38.10	38.10	4.80	4.80	0.925
33	16147	38.10	101.60	6.35	6.35	2.286
34	16145	38.61	76.20	6.35	6.35	1.859
35	27927	41.30	41.30	23.30	6.00	2.889
36	28076	41.30	42.30	22.20	6.00	2.845
37	16146	50.80	76.20	6.35	6.35	2.068
38	16148	50.80	101.60	6.35	6.35	2.504
39	16149	50.80	127.00	6.35	6.35	2.939
40	16151	50.80	127.00	7.94	7.94	3.641
41	16150	50.80	152.40	6.35	6.35	3.375
42	28056	52.00	66.50	31.00	7.00	5.963
43	16156	98.42	50.80	3.18	3.18	1.252

* All dimension in mm.

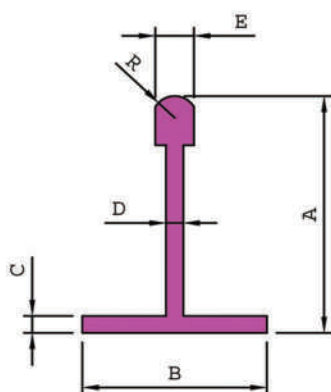
H SECTION, ROUND - BULBED TEES & TOP HATS

H-SECTIONS



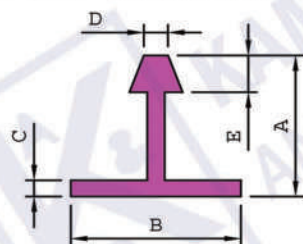
SL. No.	Section No.	A	B	C	D	R1	R2	Weight kg/m
1	17010	9.54	19.05	1.30	1.30	-	-	0.158
2	17008	28.00	22.00	1.85	1.85	-	-	0.341
3	17004	31.00	32.00	3.00	3.00	1.00	1.00	0.718
4	17016	40.00	20.00	4.90	4.00	-	1.00	0.851
5	17011	51.50	24.80	2.50	1.90	-	-	0.573
6	17007	76.20	63.50	5.08	3.30	6.35	-	2.424
7	27834	132.00	200.00	16.00	16.00	7.00	-	21.713

BULBED TEES - STRAIGHT HEAD

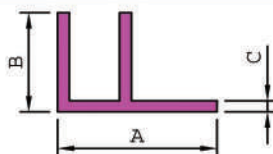


SL. No.	Section No.	A	B	C	D	E	R	Weight kg/m
1	17219	23.50	23.50	0.90	0.90	2.70	-	0.122
2	17210	23.50	23.50	1.20	1.20	3.00	-	0.171
3	17204	23.50	23.50	1.50	1.50	3.00	-	0.202
4	17222	25.00	24.50	0.45	0.45	1.80	-	0.066
5	17209	25.00	24.50	0.59	0.59	2.05	-	0.085
6	17213	25.00	24.50	0.65	0.65	2.30	-	0.097
7	17212	25.00	24.50	0.95	0.95	2.50	-	0.136
8	17217	25.00	24.50	0.74	0.74	2.50	-	0.109
9	17211	25.00	25.00	1.17	1.17	3.50	-	0.171
10	17214	25.00	25.00	1.35	1.35	3.50	-	0.195
11	17216	25.00	25.00	1.60	1.60	3.50	-	0.219
12	17218	25.45	40.00	1.45	1.45	2.80	1.40	0.258
13	17203	30.00	30.00	1.60	1.50	2.80	2.50	0.254
14	17215	32.00	32.00	1.45	1.45	2.80	2.50	0.254
15	17206	32.00	32.00	1.60	1.60	2.80	2.50	0.278
16	17208	35.00	23.50	1.50	1.50	3.00	-	0.249
17	17205	36.50	23.50	1.50	1.50	3.00	-	0.254
18	17221	38.00	25.00	1.40	1.40	2.80	1.40	0.249
19	17220	38.00	38.00	1.40	1.40	5.00	2.50	0.329
20	17201	38.10	38.10	1.50	1.60	5.10	2.55	0.357
21	17207	50.80	38.10	1.50	1.50	4.00	-	0.381
22	17202	63.50	38.10	2.03	1.60	5.10	2.55	0.519

BULBED TEES - TAPERED HEAD



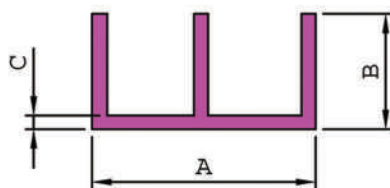
SL. No.	Section No.	A	B	C	D	E	Weight kg/m
1	17304	36.50	25.00	1.10	2.80	2.80	0.195
2	17302	36.50	25.00	1.60	2.80	2.80	0.270



SL. No.	Section No.	A	B	C	Weight kg/m
1	17544	21.30	16.00	1.35	0.184
2	17719	21.50	16.00	0.75	0.105
3	S4977	23.00	15.00	2.00	0.264
4	17710	23.40	15.30	0.67	0.095
5	17555	23.40	15.30	0.97	0.136
6	17602	23.40	15.30	1.40	0.193
7	17697	25.00	16.00	1.30	0.191

* All dimension in mm.

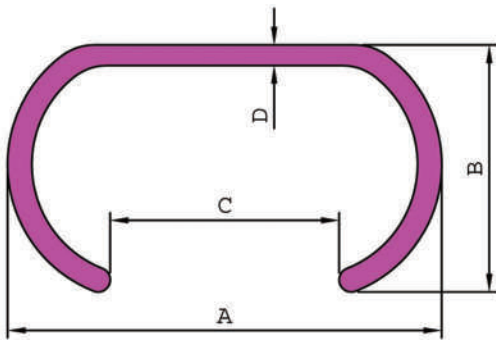
DOUBLE GLASS CHANNELS



SL. No.	Section No.	A	B	C	Weight kg/m
1	24057	15.00	7.50	0.36	0.035
2	24053	15.00	7.50	0.45	0.044
3	24047	16.00	8.00	0.44	0.045
4	24054	16.00	10.00	0.47	0.057
5	24036	17.00	9.50	0.42	0.050
6	24045	17.00	10.00	0.54	0.067
7	24016	17.00	10.00	0.65	0.079
8	24037	17.70	12.00	0.51	0.072
9	24049	18.00	9.50	0.45	0.055
10	24013	18.00	11.00	0.65	0.086
11	24006	18.00	11.00	1.22	0.156
12	24014	18.00	12.50	0.65	0.094
13	24021	19.00	12.50	0.75	0.110
14	24022	19.00	12.50	0.90	0.130
15	24023	19.00	12.50	1.10	0.158
16	24024	20.50	11.50	0.95	0.134
17	24038	21.50	10.50	0.39	0.054
18	24017	22.00	10.00	0.82	0.109
19	24018	22.00	10.00	0.93	0.124
20	24052	22.00	10.50	0.65	0.090
21	24015	22.00	11.00	0.53	0.076
22	24033	22.00	11.00	0.74	0.105
23	24034	22.00	11.00	0.92	0.130
24	24019	22.00	11.00	1.08	0.150
25	24029	22.00	11.00	1.12	0.156
26	24007	22.00	11.00	1.22	0.169
27	24008	22.00	12.50	1.22	0.184
28	24039	22.23	12.70	0.67	0.105
29	24011	22.23	12.70	0.83	0.130
30	24001	22.23	12.70	1.05	0.162
31	24055	24.00	10.00	0.57	0.080
32	24051	25.00	12.00	0.56	0.090
33	24046	25.00	12.00	0.67	0.107
34	24043	25.00	12.00	0.90	0.141
35	24042	25.00	12.50	1.30	0.205
36	24031	28.00	15.50	0.65	0.127
37	24050	28.00	15.50	0.77	0.150
38	24012	28.00	15.50	1.10	0.211
39	24056	35.00	10.00	0.60	0.102
40	24032	48.00	13.00	0.72	0.166
41	24035	48.00	13.00	0.85	0.195
42	24027	48.00	13.00	1.00	0.227

* All dimension in mm.

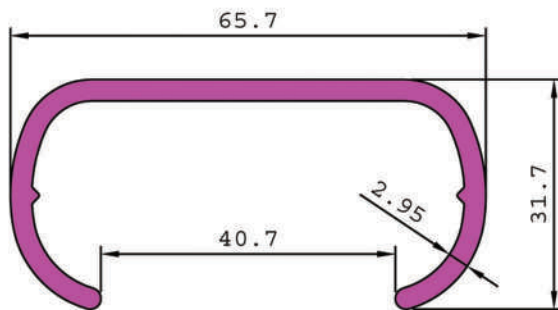
LADDERS



SL. No.	Section No.	A	B	C	D	Weight kg/m
1	22552	62.00	28.00	40.00	1.10	0.335
2	22544	66.65	31.75	41.30	1.20	0.410
3	22511	66.65	31.75	41.30	1.81	0.607
4	22571	66.65	31.75	41.30	2.20	0.732
5	22503	66.65	31.75	41.30	2.54	0.837
6	22504	66.67	31.75	41.27	3.18	1.046
7	22505	66.68	31.75	47.00	4.00	1.247

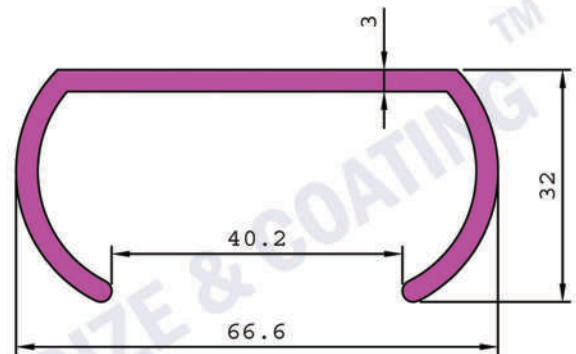
22513

0.976 kg/m



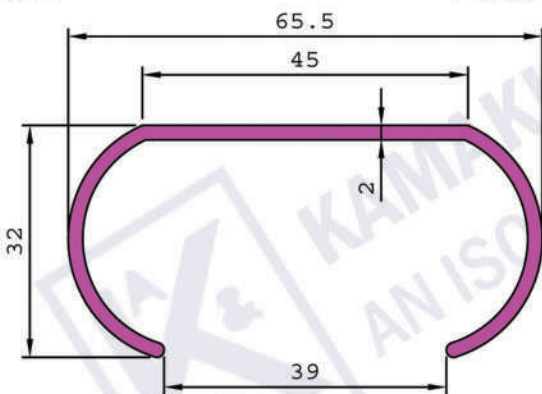
22516

1.009 kg/m



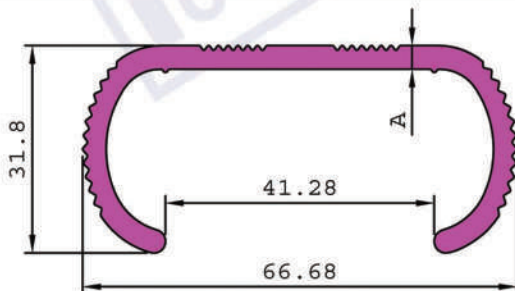
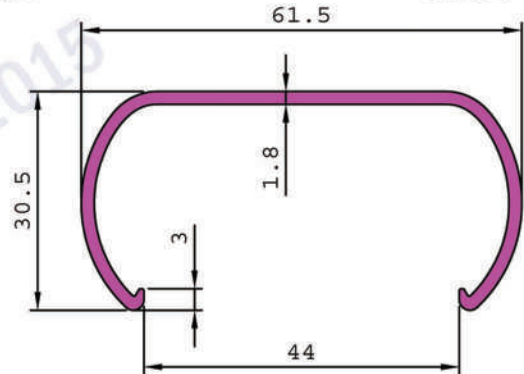
22524

0.668 kg/m

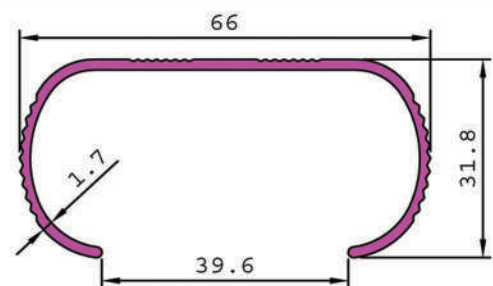


22554

0.556 kg/m



SL. No.	Section No.	A	Weight kg/m
1	22583	3.20	0.985
2	22575	3.60	1.105



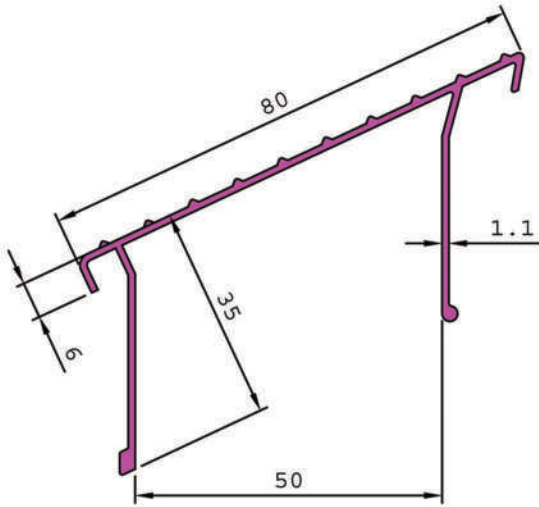
SL. No.	Section No.	A	Weight kg/m
1	22573	1.70	0.544
2	22574	2.50	0.800

* All dimension in mm.

LADDERS

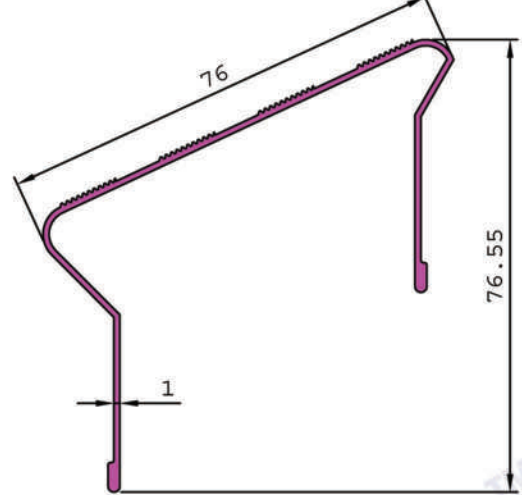
22515

0.535 kg/m



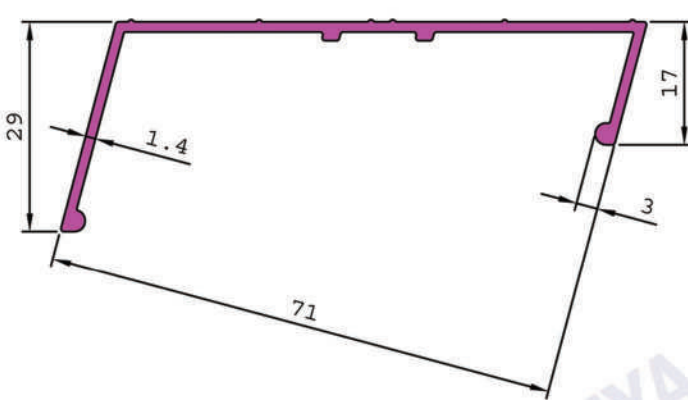
22526

0.506 kg/m



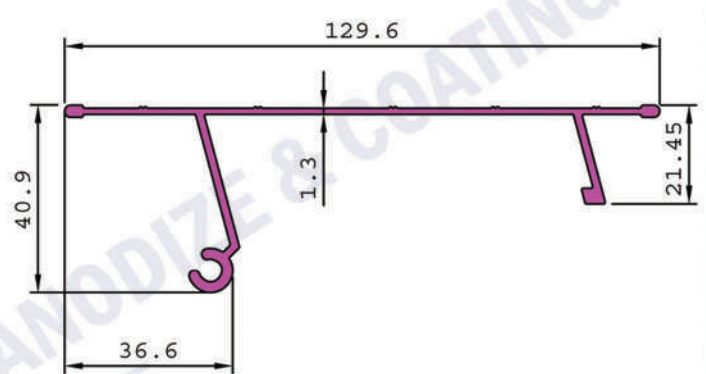
22525

0.486 kg/m



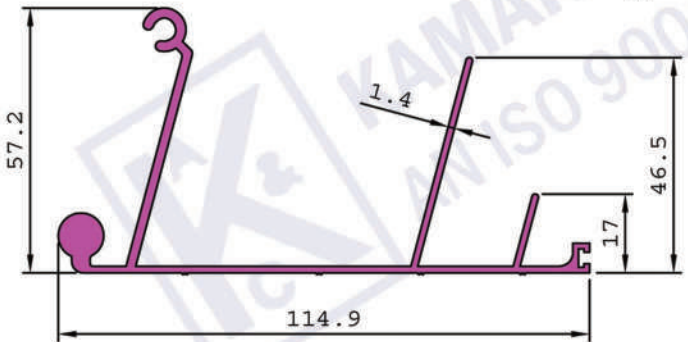
22547

0.875 kg/m



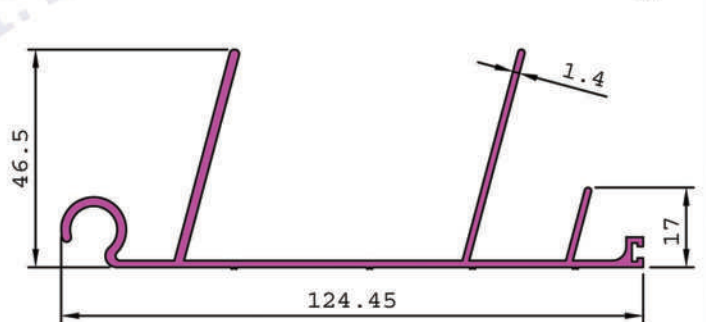
22550

1.296 kg/m



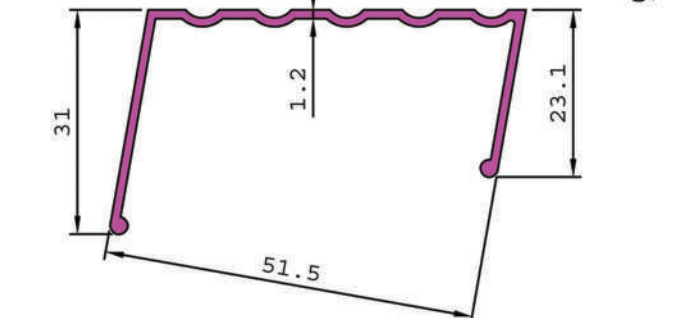
22551

1.103 kg/m



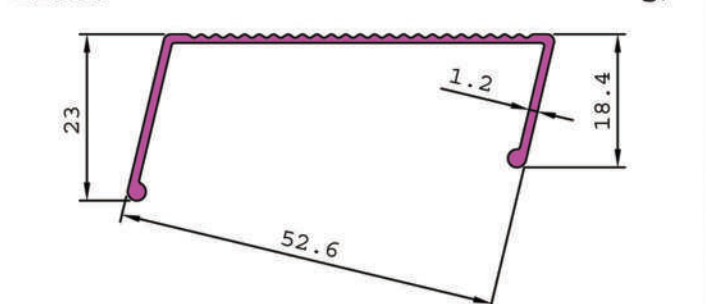
22549

0.360 kg/m



22553

0.287 kg/m

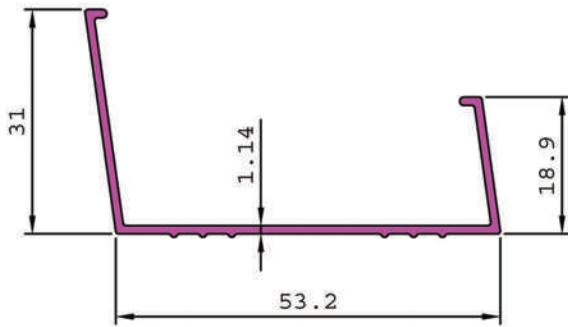


* All dimension in mm.

LADDERS

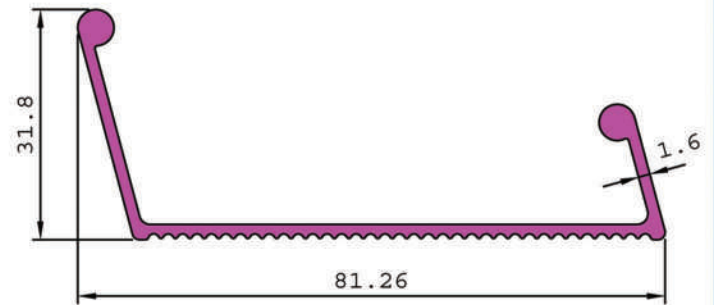
22565

0.328 kg/m



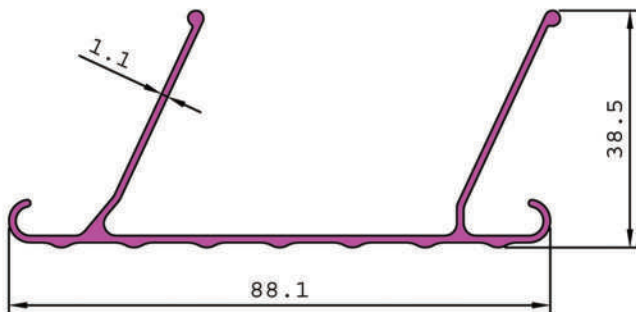
22568

0.594 kg/m



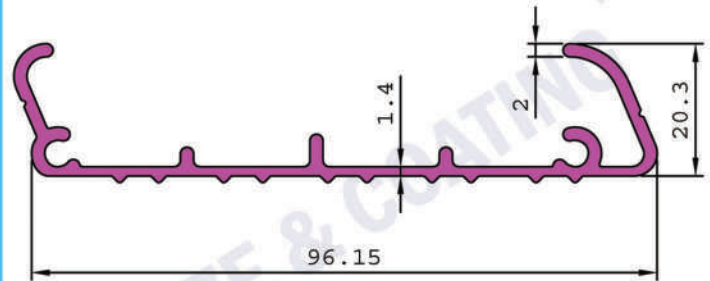
22570

0.609 kg/m



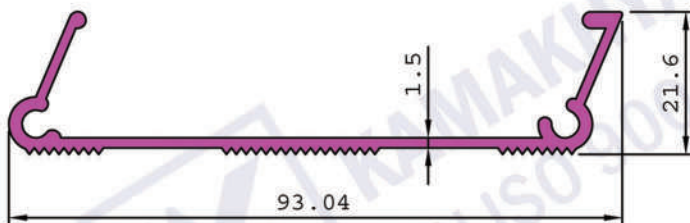
22558

0.777 kg/m



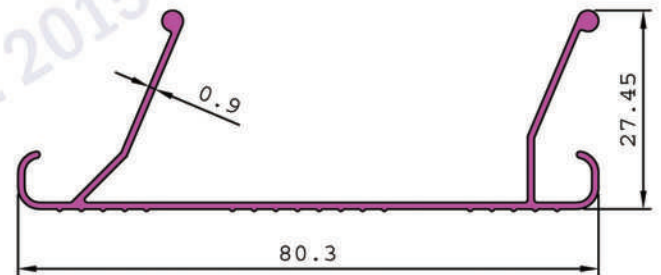
22507

0.673 kg/m



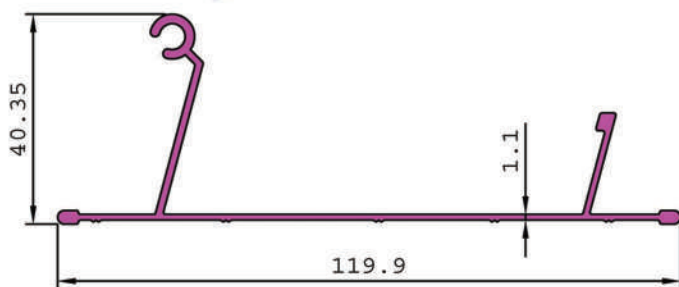
22581

0.404 kg/m



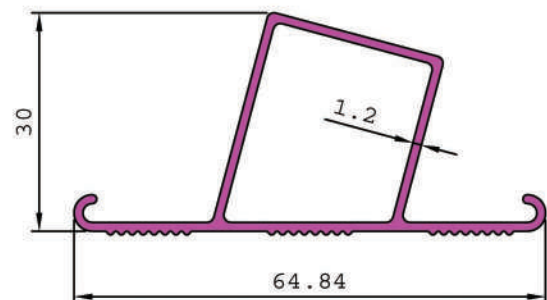
22588

0.681 kg/m



22582

0.510 kg/m

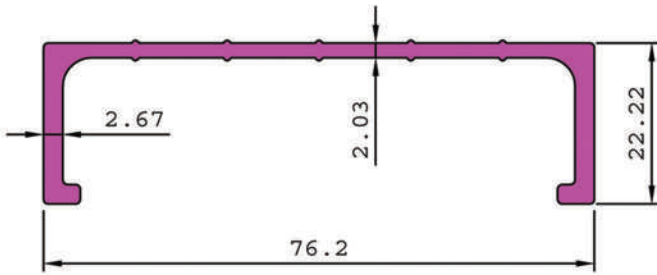


* All dimension in mm.

LADDERS

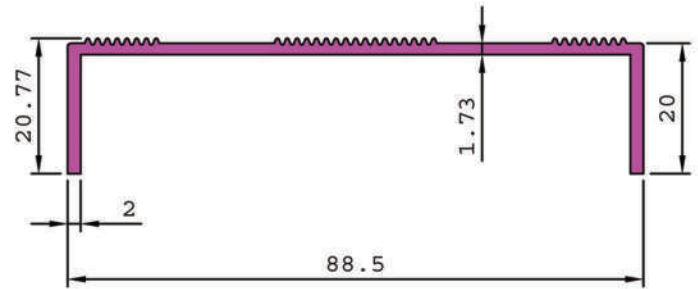
22506

0.767 kg/m



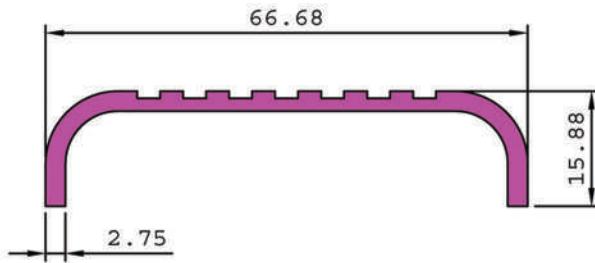
22508

0.662 kg/m



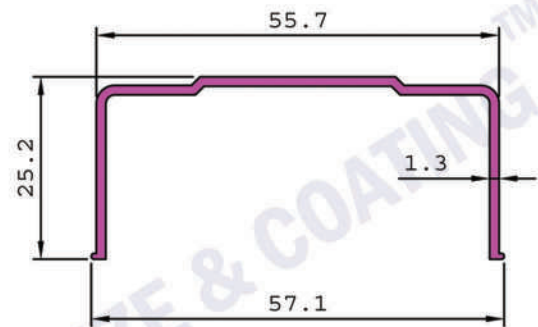
22512

0.575 kg/m



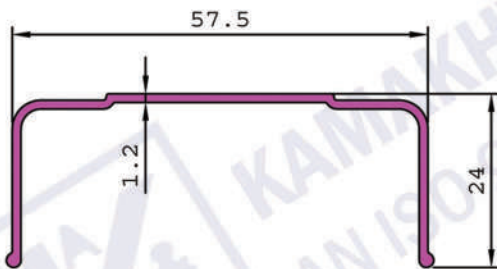
22548

0.355 kg/m



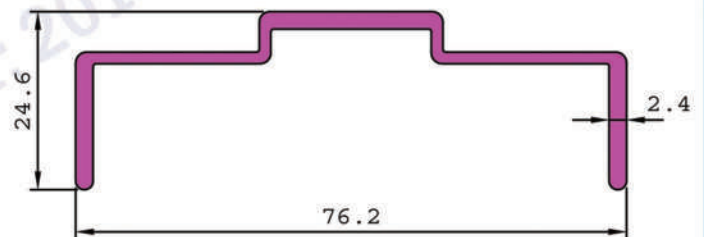
22563

0.327 kg/m



22567

0.640 kg/m



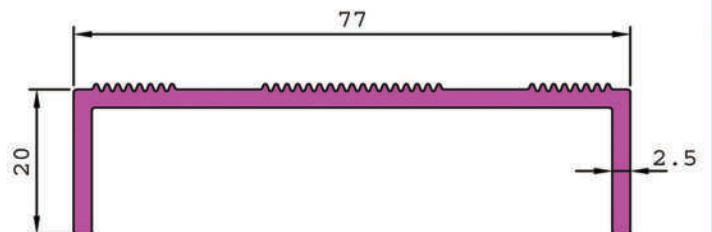
22572

0.739 kg/m



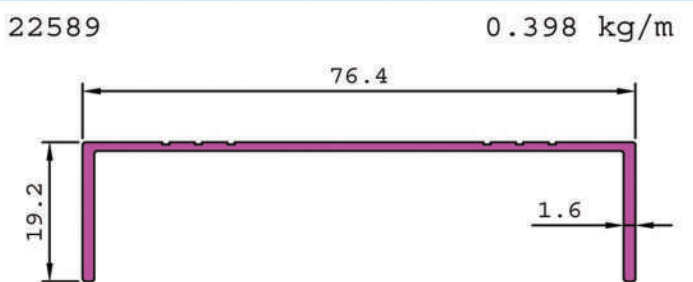
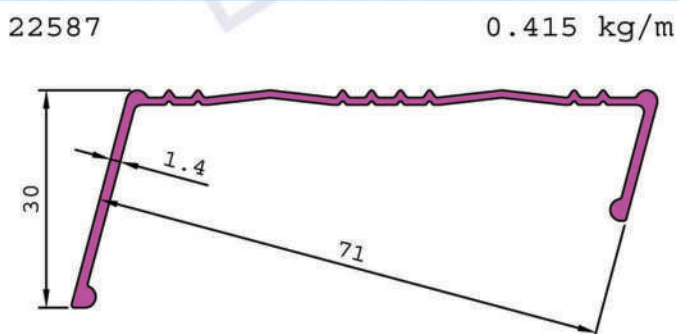
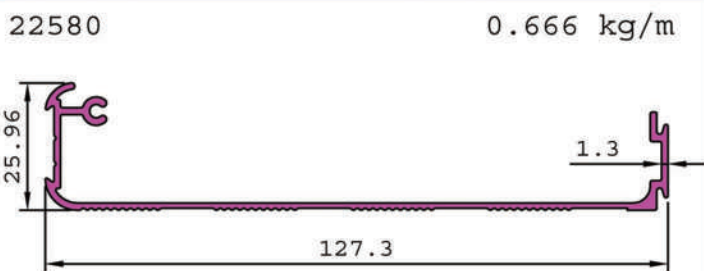
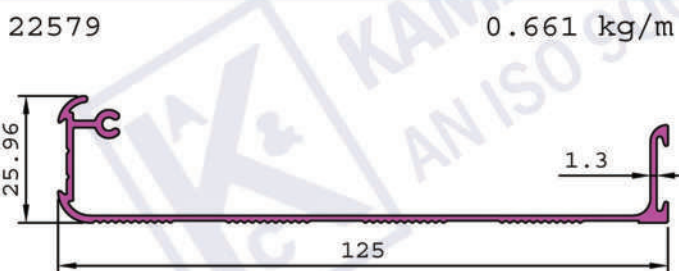
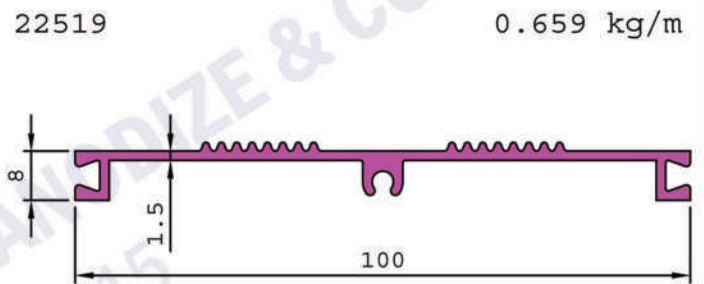
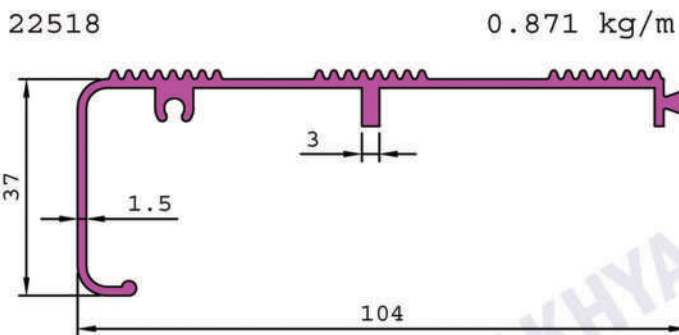
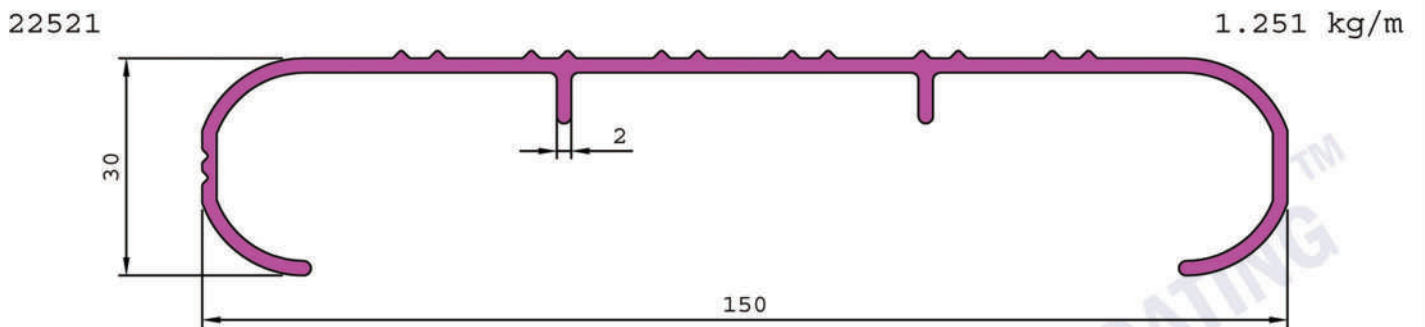
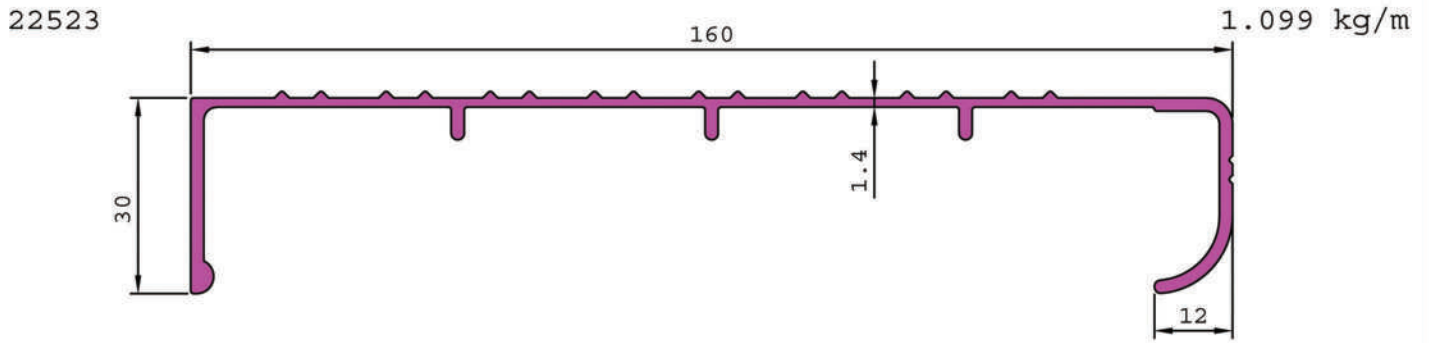
22584

0.793 kg/m



* All dimension in mm.

LADDERS

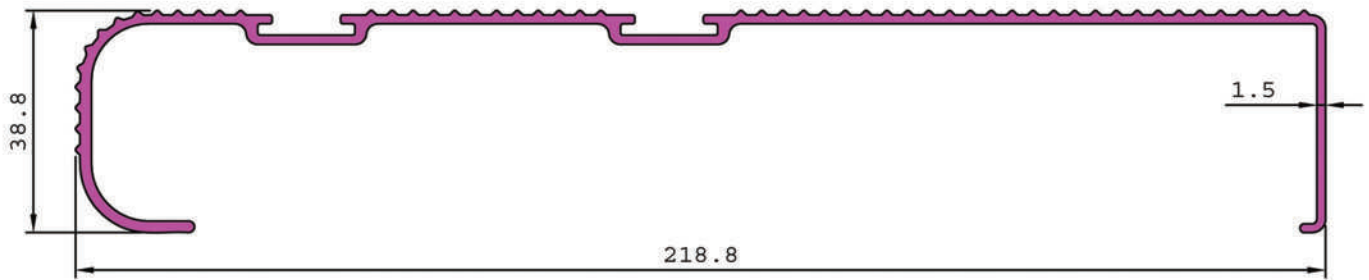


* All dimension in mm.

LADDERS

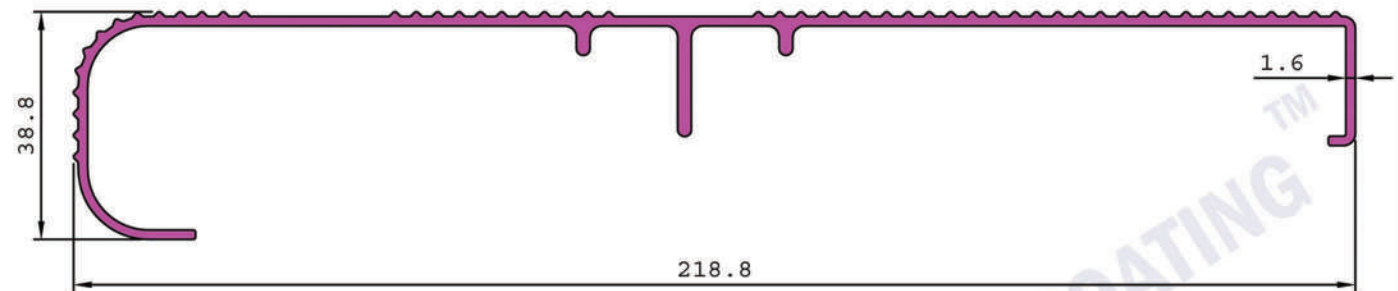
22591

1.538 kg/m



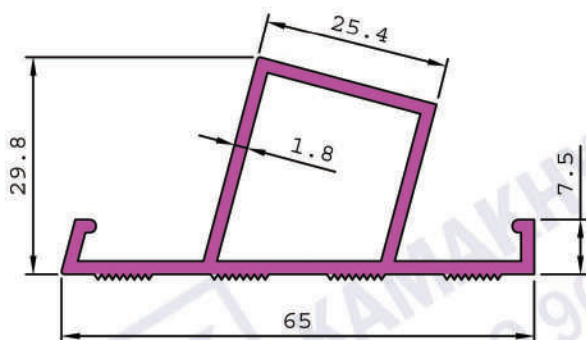
S4546

1.551 kg/m



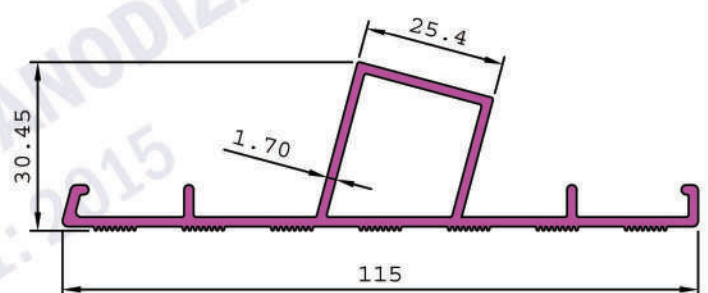
22510

0.769 kg/m



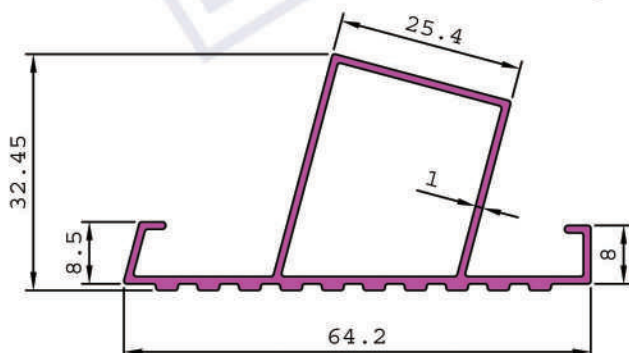
22520

1.038 kg/m



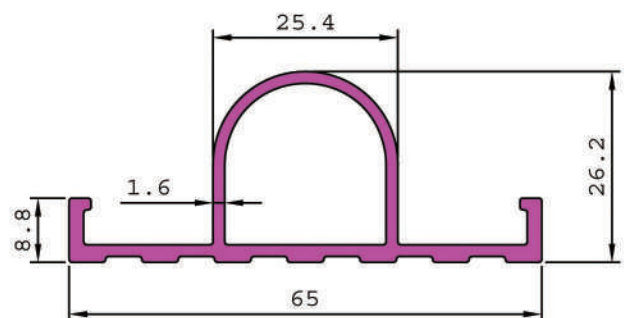
22562

0.516 kg/m



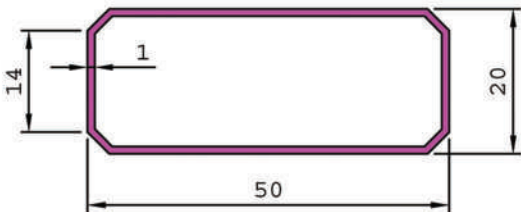
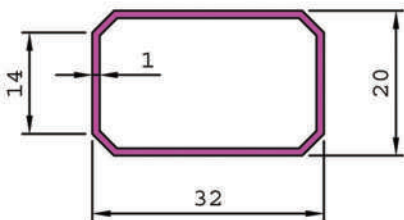
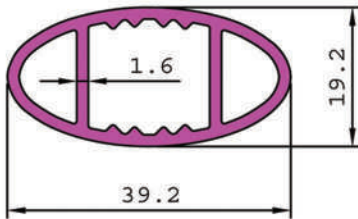
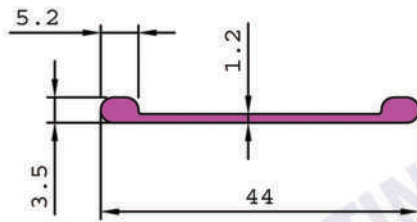
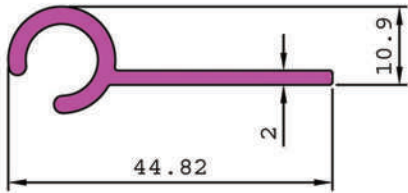
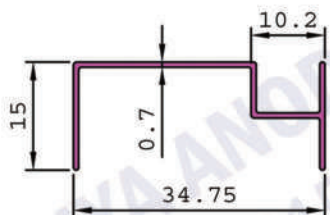
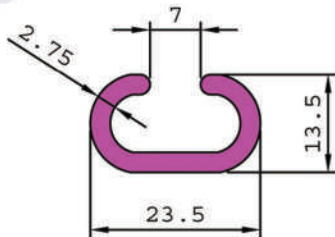
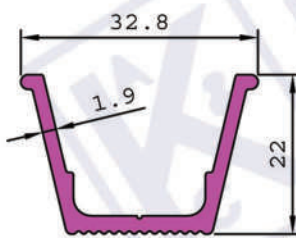
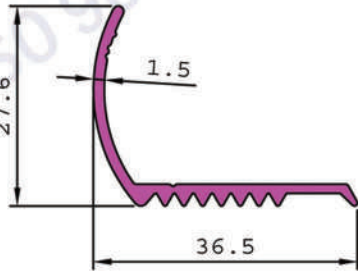
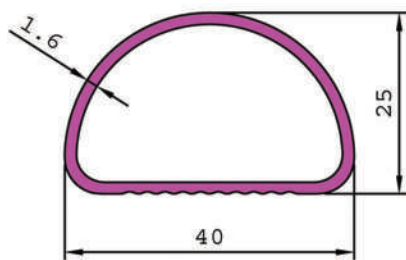
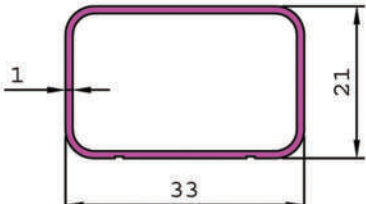
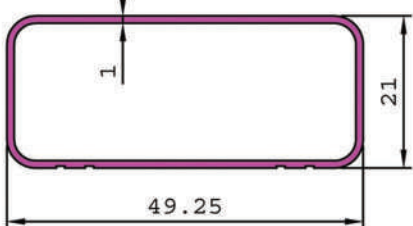
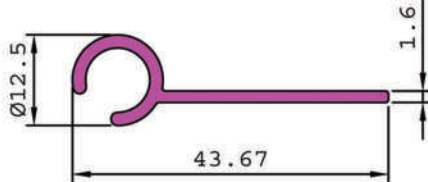
22566

0.692 kg/m



* All dimension in mm.

LADDERS

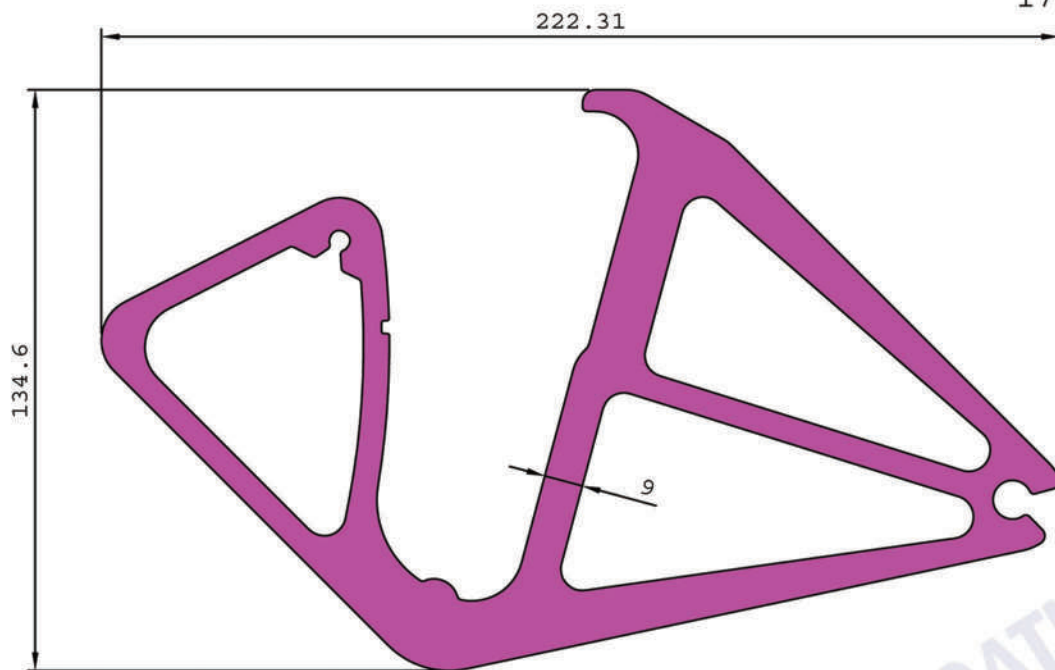
22501	0.350 kg/m	22502	0.252 kg/m		
					
22522	0.536 kg/m	22545	0.197 kg/m		
					
22546	0.371 kg/m	22564	0.133 kg/m	22559	0.345 kg/m
					
22561	0.362 kg/m	24491	0.270 kg/m	22576	0.441 kg/m
					
22577	0.263 kg/m	22578	0.349 kg/m	22590	0.271 kg/m
					
MATCHING WITH 22588					

* All dimension in mm.

LADDERS

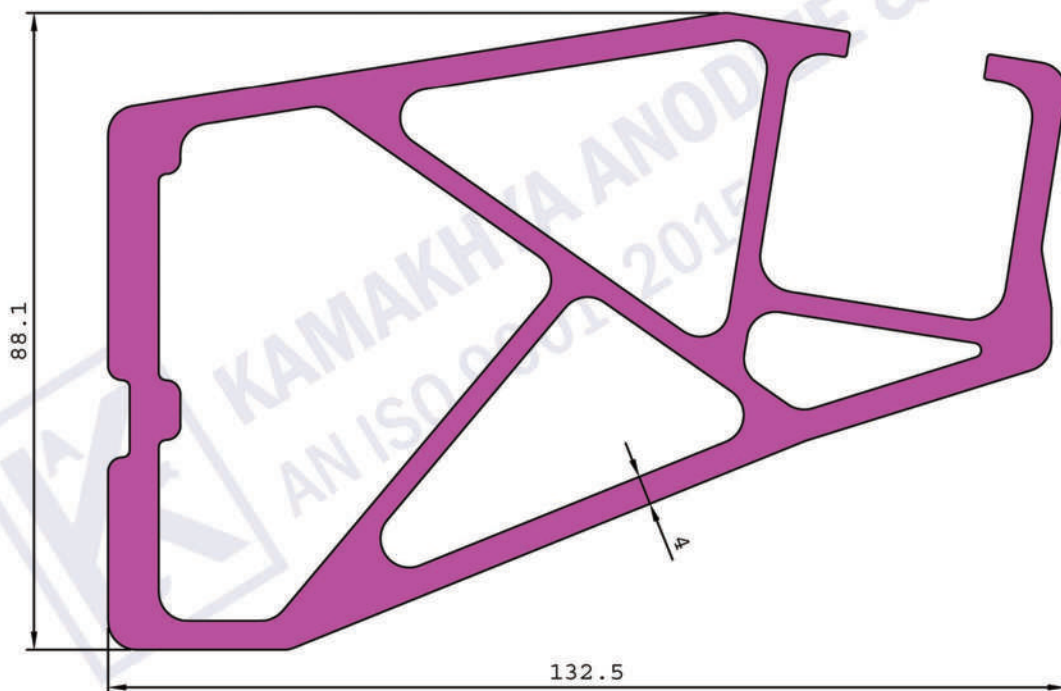
22586

17.378 kg/m



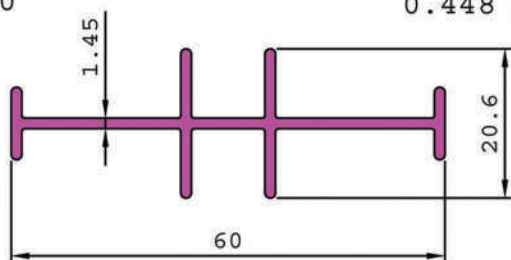
S5313

6.504 kg/m



S4440

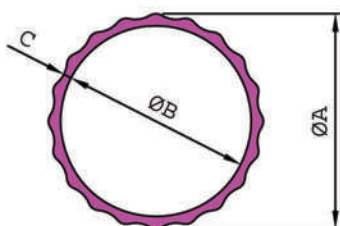
0.448 kg/m



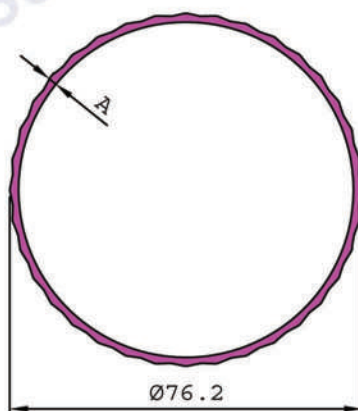
* All dimension in mm.

LADDERS

FLUTED ROUND TUBES



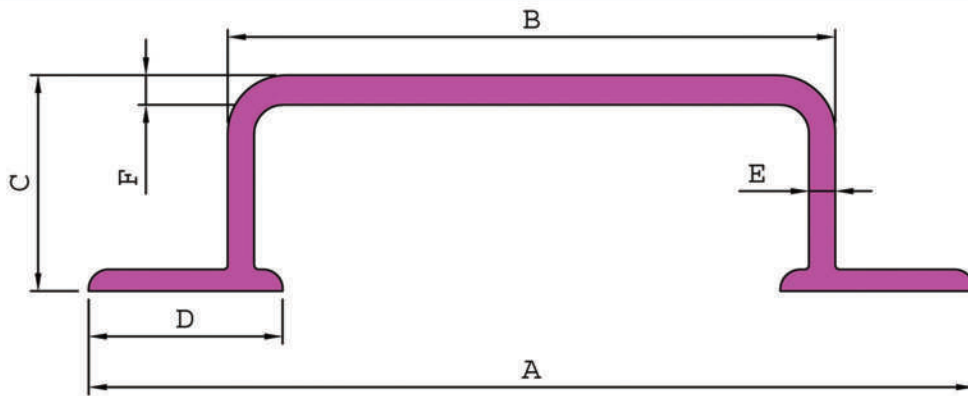
SL. No.	Section No.	ØA	ØB	C	Weight kg/m
1	14904	18.50	16.75	0.67	0.114
2	14907	18.50	17.33	0.38	0.074
3	14913	18.80	16.70	0.70	0.127
4	14901	19.05	16.90	0.70	0.130
5	14910	20.50	17.70	0.90	0.186
6	14909	20.70	19.20	0.52	0.109
7	14915	24.00	22.62	0.49	0.114
8	14903	24.80	22.60	0.70	0.179
9	14916	24.80	22.97	0.67	0.156
10	14906	24.80	23.56	0.416	0.107
11	14921	24.80	22.84	0.40	0.148
12	14902	25.40	20.34	1.83	0.410
13	14914	25.40	22.01	0.93	0.252
14	14912	25.40	22.07	0.90	0.247
15	14908	25.40	22.20	0.79	0.226
16	14917	25.40	22.68	0.60	0.189
17	14919	25.40	20.80	1.60	0.370
18	14905	28.00	25.50	0.80	0.237
19	14911	28.00	26.32	0.63	0.171
20	14918	32.06	27.00	1.83	0.533
21	14920	37.00	33.00	1.50	0.511



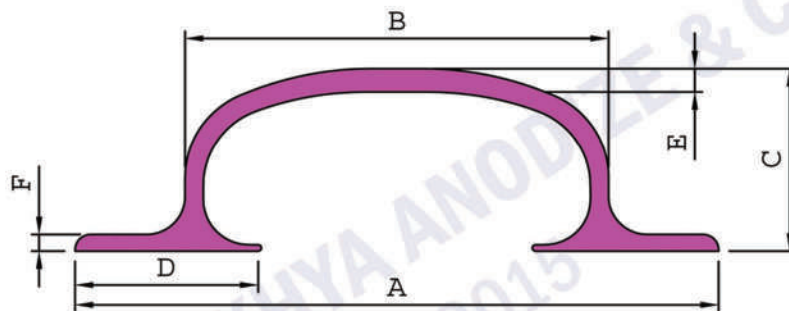
SL. No.	Section No.	A	Weight kg/m
1	S4879	1.60	0.839
2	22585	1.90	1.024

* All dimension in mm.

HANDLE SECTIONS



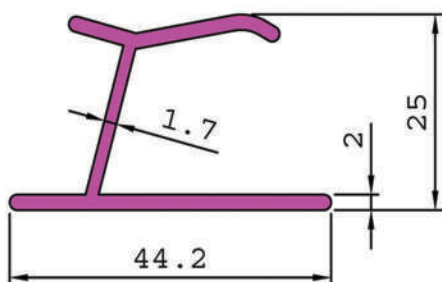
SL. No.	Section No.	A	B	C	D	E	F	Weight kg/m
1	18586	148.80	106.50	33.00	27.30	3.90	4.20	2.105
2	18640	149.50	107.00	31.00	30.50	3.85	3.85	2.066
3	18619	150.00	110.00	34.00	30.00	3.45	3.60	1.995
4	18572	150.00	110.00	34.00	30.00	3.66	3.66	2.127
5	18620	150.00	110.00	34.00	30.00	4.00	4.10	2.248
6	18571	150.00	110.00	34.00	30.00	4.32	4.32	2.374



SL. No.	Section No.	A	B	C	D	E	F	Weight kg/m
1	18611	123.00	82.50	34.50	30.00	2.45	2.20	1.258
2	18587	127.00	84.00	37.00	36.50	3.35	2.85	1.742
3	18621	127.00	84.00	37.00	36.50	3.90	3.10	1.996
4	18630	128.00	84.00	37.00	30.00	3.30	3.00	1.647
5	18613	128.00	84.00	37.00	30.00	3.50	3.10	1.724
6	18622	142.00	98.00	37.00	38.50	4.15	3.20	2.270
7	18631	143.00	99.00	36.00	32.00	3.70	2.70	1.921

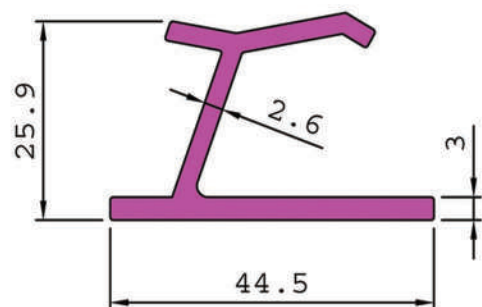
18565

0.491 kg/m



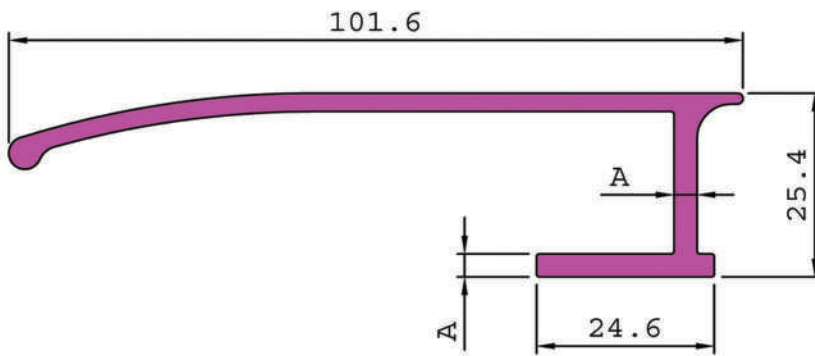
18641

0.707 kg/m



* All dimension in mm.

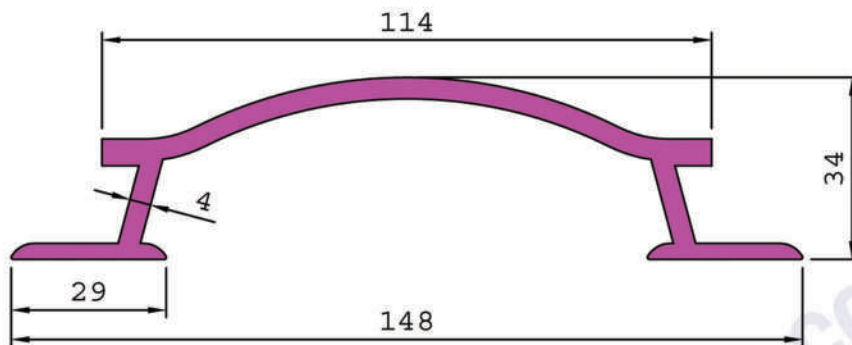
HANDLE SECTIONS



SL. No.	Section No.	A	Weight kg/m
1	18553	3.18	1.093
2	18604	2.10	0.852

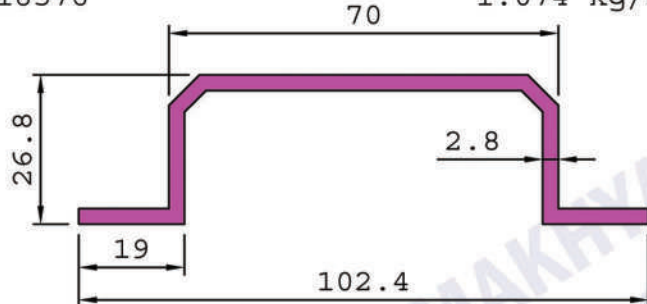
18563

2.091 kg/m



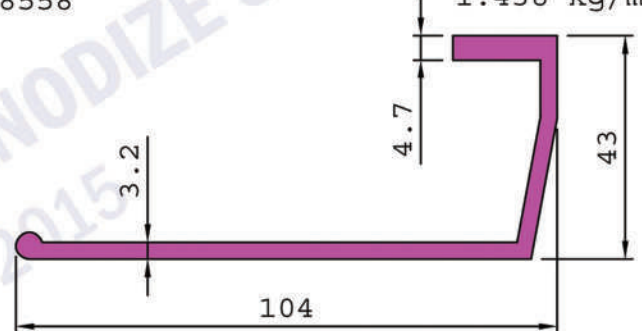
18576

1.074 kg/m



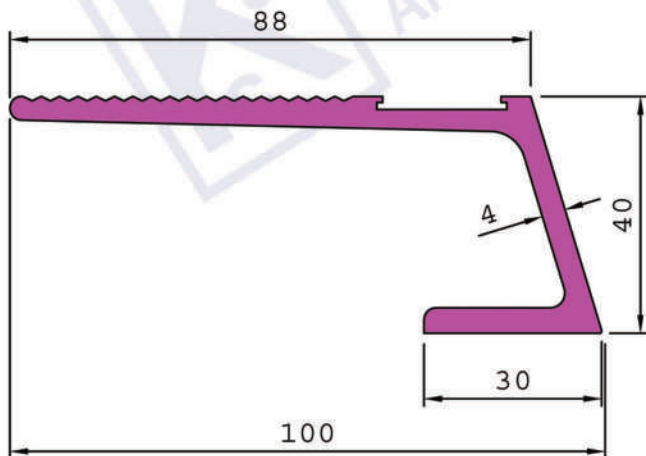
18558

1.438 kg/m



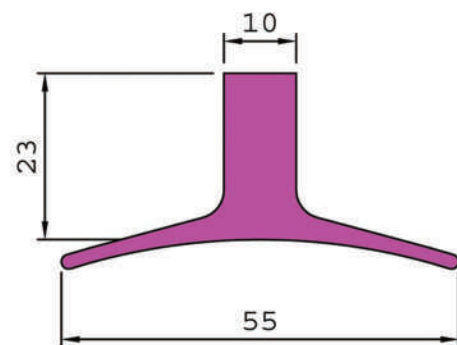
18560

1.709 kg/m



18570

0.942 kg/m

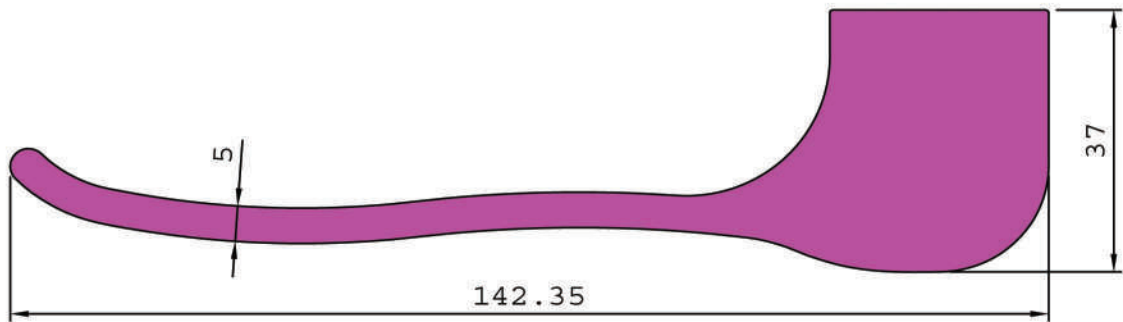


* All dimension in mm.

HANDLE SECTIONS

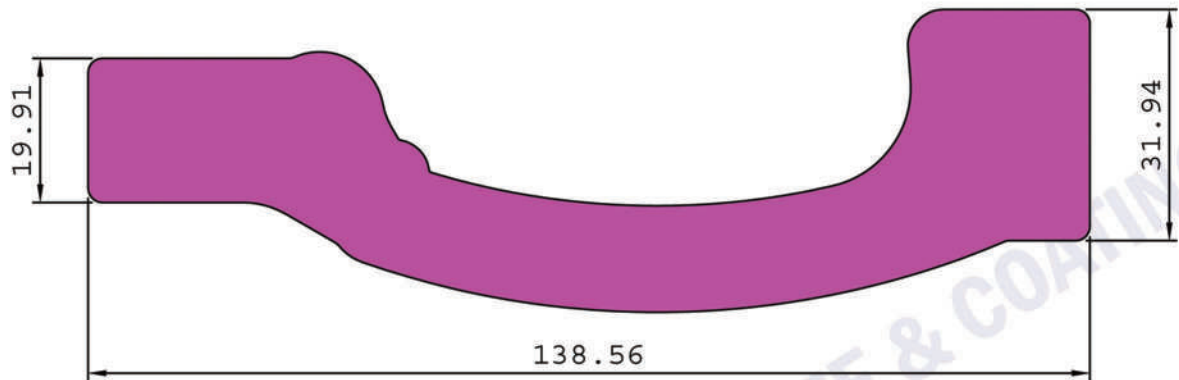
S4889

4.700 kg/m



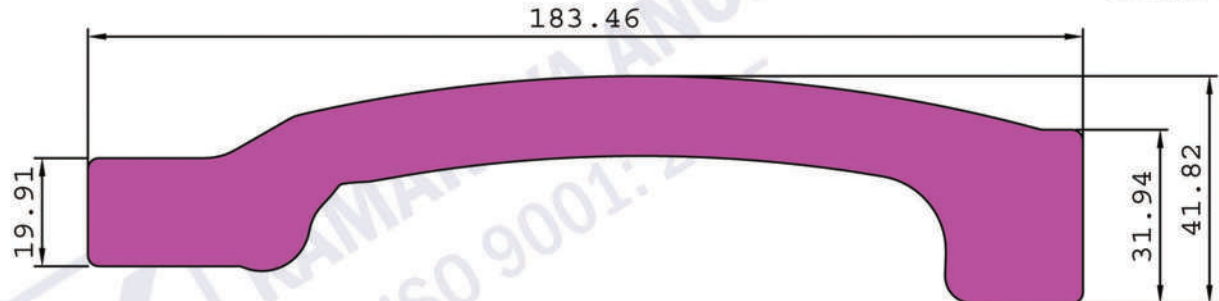
18643

7.668 kg/m



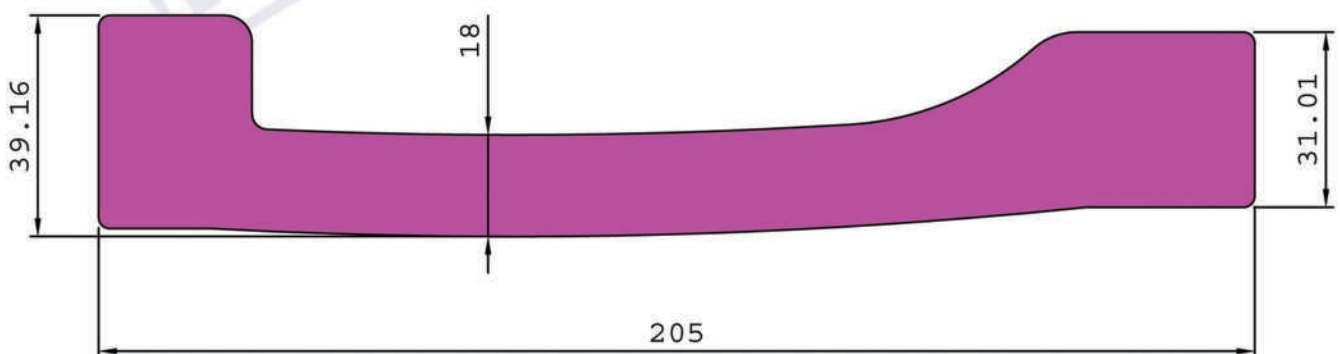
18644

9.441 kg/m



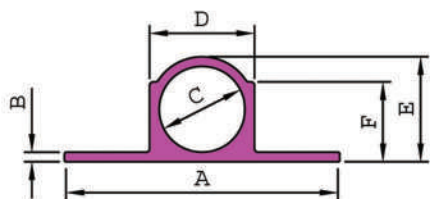
29426

13.076 kg/m

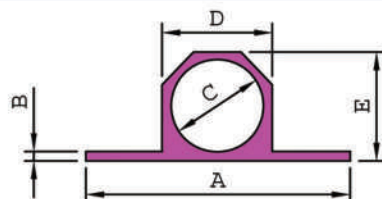


* All dimension in mm.

TOWER BOLT, HINGES & ALDROP



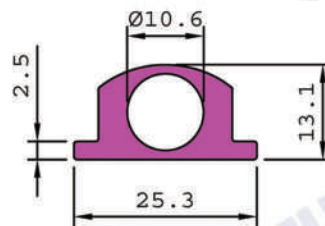
SI No	Section No	A	B	C	D	E	F	Weight kg/m
1	18001	24.50	0.75	8.63	10.10	10.10	8.15	0.121
2	18002	31.75	1.39	9.90	12.45	12.45	9.52	0.248
3	18003	32.00	1.60	11.00	14.00	14.00	11.00	0.302
4	18005	31.75	1.52	10.28	12.82	12.82	9.52	0.253
5	18006	38.00	2.50	13.00	18.00	18.00	14.00	0.570
6	18007	44.00	2.00	13.00	17.00	17.00	13.00	0.493
7	18008	30.00	0.75	9.90	11.40	11.40	9.50	0.156
8	18009	25.00	1.35	8.50	11.00	11.20	9.00	0.202
9	18013	37.50	1.70	12.40	15.70	15.80	12.00	0.379
10	18015	31.75	1.70	10.20	12.40	12.40	9.70	0.244
11	18016	38.00	2.30	12.60	17.10	17.10	13.00	0.506
12	18017	31.20	1.57	9.70	11.90	11.90	9.10	0.229
13	18022	30.75	1.02	9.50	11.30	11.30	9.00	0.176
14	18023	31.75	1.10	10.20	12.10	12.10	9.50	0.197
15	18027	37.50	2.00	12.80	16.50	16.50	13.50	0.439
16	18029	37.00	2.20	12.00	15.00	15.50	11.70	0.396
17	18036	36.00	1.85	12.00	14.90	14.90	11.00	0.342
18	18037	30.00	0.98	9.50	10.90	10.90	8.60	0.150
19	18038	44.00	2.00	13.40	16.40	16.50	14.50	0.450
20	18039	32.00	1.25	11.00	13.40	13.40	10.50	0.246
21	18040	37.00	1.83	12.00	15.00	15.00	11.70	0.354
22	18042	23.50	0.70	8.50	9.80	9.80	7.95	0.109
23	18043	28.00	0.59	9.50	10.68	10.68	8.00	0.113
24	18045	32.00	1.30	11.00	13.60	13.60	10.80	0.262
25	18049	38.00	2.35	13.00	17.50	17.50	13.20	0.520
26	18051	31.00	1.10	9.40	11.40	11.40	8.70	0.188
27	18052	31.50	1.20	10.80	12.80	12.80	10.10	0.216
28	18055	31.75	1.40	10.20	12.40	12.40	9.10	0.226
29	18056	31.20	1.35	9.70	11.70	11.70	9.00	0.206
30	18057	38.00	1.90	12.60	16.20	16.20	12.60	0.419
31	18060	44.00	1.65	12.80	15.80	15.80	13.80	0.406
32	18062	32.00	1.22	11.00	13.44	13.40	10.80	0.248
33	18068	31.75	2.00	10.20	12.40	12.40	9.70	0.261



SI No	Section No	A	B	C	D	E	Weight kg/m
1	18018	31.80	1.50	9.80	12.40	12.70	0.261
2	18019	32.00	1.35	10.80	13.10	13.50	0.255

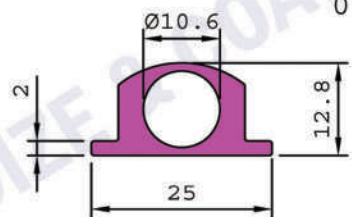
18063

0.411 kg/m



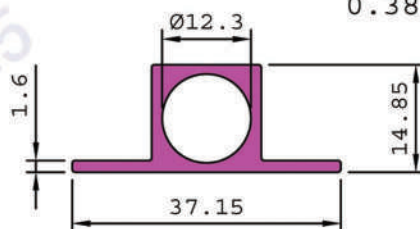
18064

0.361 kg/m



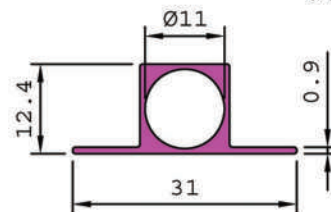
18065

0.381 kg/m



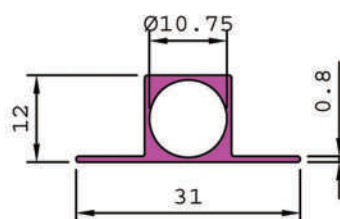
18066

0.203 kg/m



18067

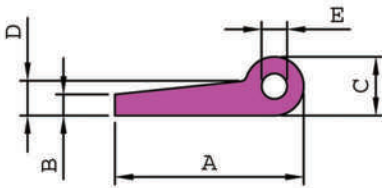
0.184 kg/m



* All dimension in mm.

TOWER BOLT, HINGES & ALDROP

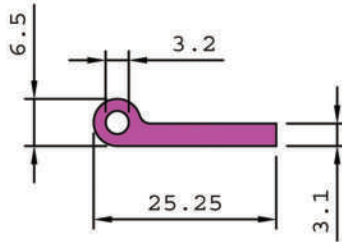
HINGES - HOLLOW



SL. No.	Section No.	A	B	C	D	E	Weight kg/m
1	18361	24.30	2.10	6.00	2.60	3.60	0.170
2	18353	35.76	3.10	9.52	3.60	5.00	0.390
3	18355	37.00	4.00	11.00	4.76	5.55	0.515

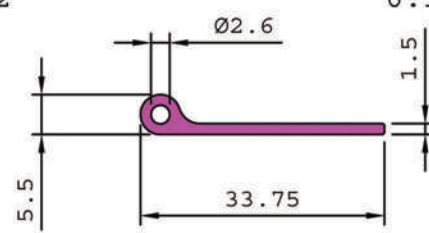
18357

0.231 kg/m



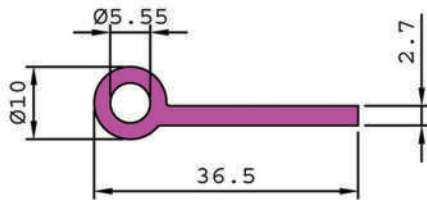
18362

0.172 kg/m



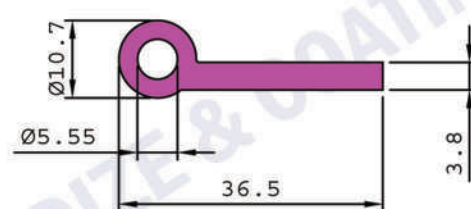
18401

0.343 kg/m



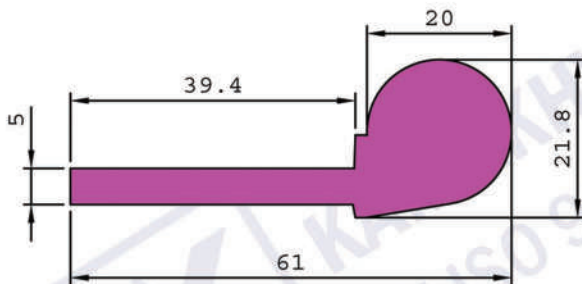
18402

0.450 kg/m



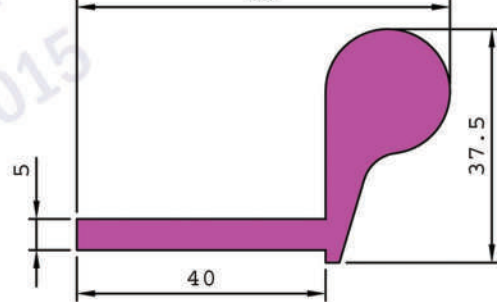
18406

1.515 kg/m



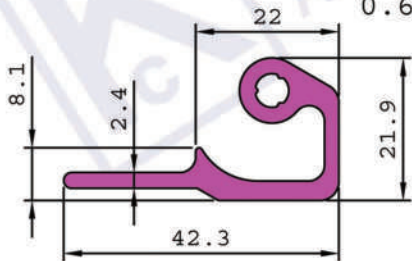
18407

1.683 kg/m



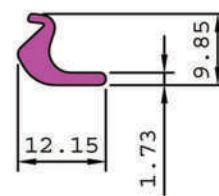
18425

0.632 kg/m



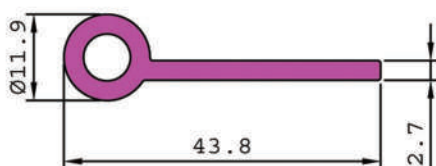
18426

0.118 kg/m



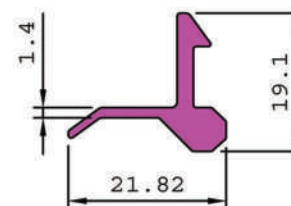
18461

0.446 kg/m



18427

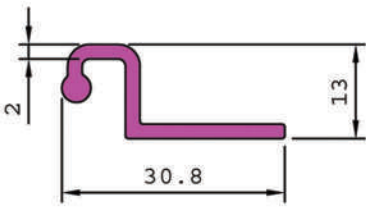
0.250 kg/m



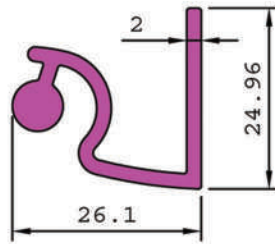
* All dimension in mm.

TOWER BOLT, HINGES & ALDROP

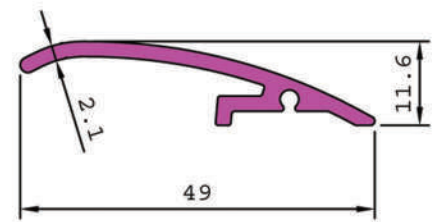
S4459 0.257 kg/m



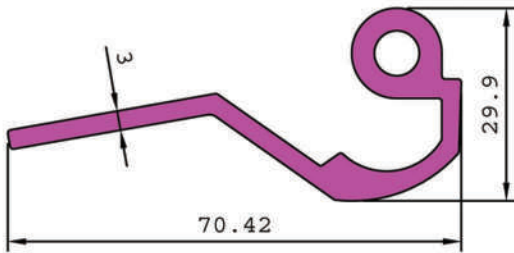
S4460 0.450 kg/m



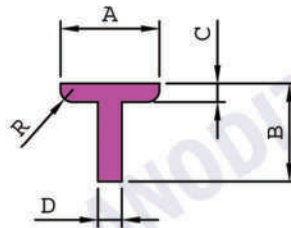
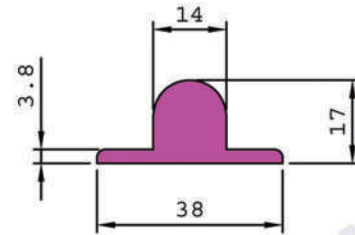
S5062 0.361 kg/m



S5061 1.098 kg/m



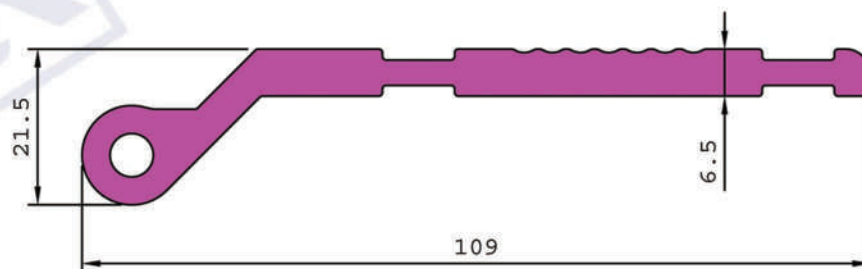
18502 0.832 kg/m



SL. No.	Section No.	A	B	C	D	R	Weight kg/m
1	18504	38.00	35.00	3.20	6.50	3.00	0.875
2	18509	41.50	41.50	3.85	6.80	2.50	1.115
3	18505	41.50	41.50	4.15	7.50	2.50	1.214
4	18508	42.00	38.00	3.25	6.75	2.00	0.997
5	18506	42.00	40.00	4.00	7.70	2.50	1.195
6	18501	42.00	40.00	4.20	8.00	2.50	1.242

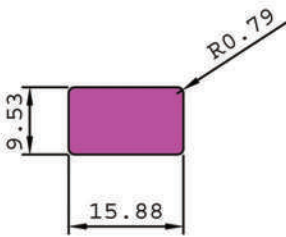
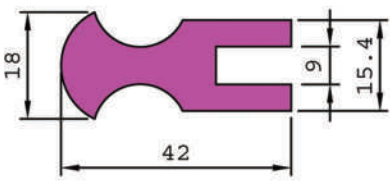
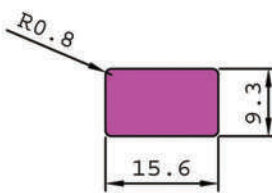
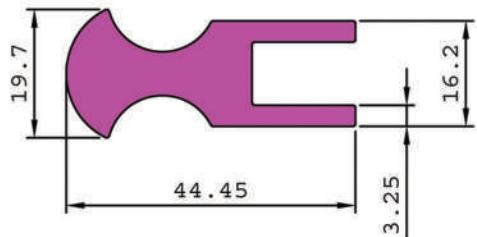
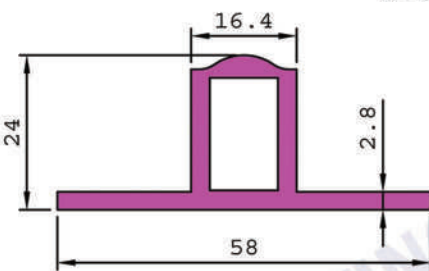
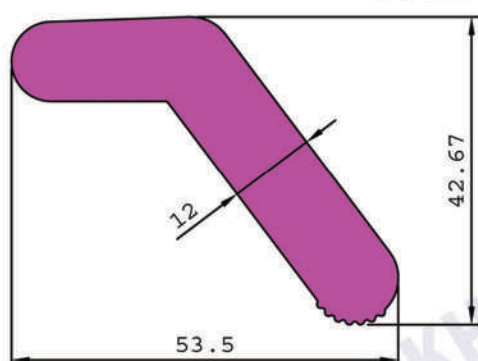
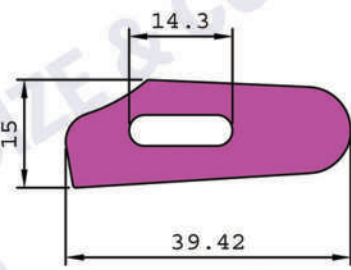
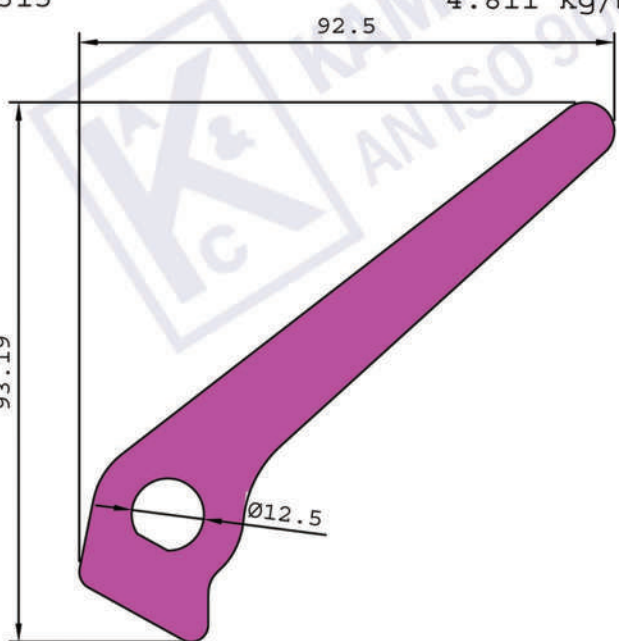
S5163

1.851 kg/m

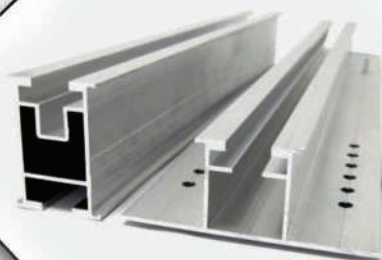
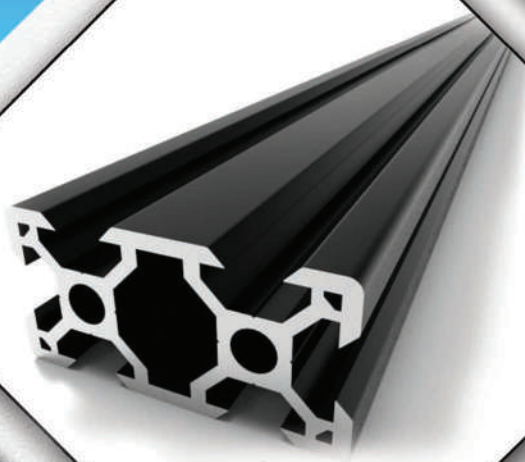
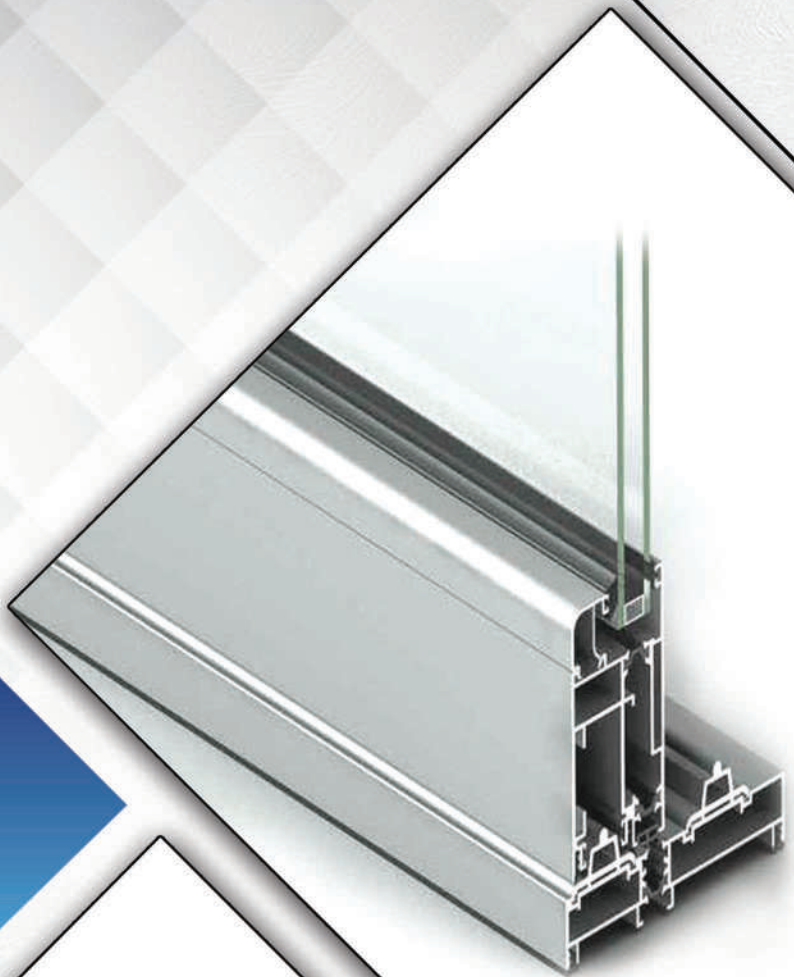


* All dimension in mm.

TOWER BOLT, HINGES & ALDROP

184520.407 kg/m	184561.060 kg/m	184580.390 kg/m
		
184601.220 kg/m	184590.828 kg/m	
		
280722.102 kg/m	280731.120 kg/m	
		
S53154.811 kg/m		
		

* All dimension in mm.





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