



HINDALCO
EXTRUSIONS

EXPERTISE IS OUR STRENGTH

Architectural - Alupuram

Printed Jan 2018



VISION

To be a premium metals major, global in size and reach, excelling in everything we do, and creating value for our stakeholders.

MISSION

To relentlessly pursue the creation of superior shareholder value, by exceeding customer expectation profitably, unleashing employee potential, while being a responsible corporate citizen adhering to our values.

VALUES

Integrity: Honesty in every action

Commitment: Deliver on the promise

Passion: Energized action

Seamlessness: Boundaryless in letter and spirit

Speed: One step ahead always



Hindalco Architectural Catalogue

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HINDALCO - An Overview

Hindalco Industries Limited, a USD 18 billion flagship company of the Aditya Birla Group, is a leading producer of aluminium and copper. Hindalco is present across the value chain of Aluminium & Copper. It has global footprint spanning across 13 countries in 5 continents.

Copper

- World's largest single-location copper smelting capacity.
- Copper mines in Australia.

Aluminium

- Amongst top 5 aluminium majors worldwide.
- World's largest aluminium rolling company.
- Integrated operations - from mines to alumina to metal to value added products
 - ✦ Ingots & redraw rods (wire rods)
 - ✦ Flat Rolled products
 - ✦ Extrusions
 - ✦ Foils

Hindalco is a leader in Aluminium Extrusions industry in India with two manufacturing facilities. Both the plants are equipped with state of the art equipment, having well established manufacturing processes and quality systems honed over five decades.

- Manufacturing Facilities
 - ✦ Renukoot, U. P. (North India)
 - ✦ Alupuram, Kerala (South India)
- Capacity 60,000 MT per annum
- Expertise in customised alloys including hard alloys
- Catering to wide range of application segments such as Architectural, Electrical, Industrial, Transport, Defence and Consumer Durable.
- Extrusions manufactured from in-house virgin metal
- Quality Certification
 - ✦ ISO 9001-2008
 - ✦ ISO 14001-2004
 - ✦ OHSAS 18001-2007

This Catalogue covers the Architectural sections from the range manufactured in the Alupuram plant of Hindalco - India's first Extrusions plant started in the year 1955.

Hindalco Architecturals offer superior appearance, resistance to weathering, easy fabrication and high strength to weight ratio. Also they are versatile, durable and have aesthetic/decorative potential offering unique over other material. Hence Hindalco Architecturals are preferred choice of the architects, designers and builders.



Why Hindalco Architecturals?

- ✓ Manufactured from high quality billets made from in-house virgin metal.
- ✓ Better control on impurities and superior surface finish lead to excellent anodising.
- ✓ Well-established manufacturing process and heat treatment practices honed over 6 decades of experience.
- ✓ Traceability of material right from metal stage.
- ✓ Comprehensive testing facilities.
- ✓ Available in wide range of shapes and sizes.
- ✓ Hollow sections upto 250mm CCD.
- ✓ Excellent corrosion resistance.
- ✓ Tightest Dimensional Tolerances improve quality of fabrication and minimise rejection.
- ✓ Enables superior design, exacting quality standards, strong, functional, aesthetic & easy to maintain Architectural Systems.
- ✓ Suitable for wide range of finishes to match the decors. Anodised, Powder coated, Polyvinylidene Fluoride (PVDF) coated, Wood coated etc.

Major Applications

- | | |
|---|-----------------------------------|
| ■ Windows (Sliding & Casement) | ■ Furniture/Modular Systems |
| ■ Doors | ■ Hand Railings/Stairs/Balusters |
| ■ Partitions/Shop Fronts | ■ Wall Facings |
| ■ Hardwares (Tower Bolts/Aldrops/Hinges/Door Handles) | ■ Expanded Grills |
| ■ Curtain Wallings/Structural Glazing | ■ Venetian Blinds & Curtain Rails |
| ■ False Ceiling | ■ Aluminium Form Work |
| ■ Northlight Glazing | ■ Roofing Structural |
| ■ Ladders | ■ Mosquito Net |
| ■ Exhibition Display | ■ Louvers & Sun Screens |
| | ■ Rolling Shutters |

Specifications

Chemical Composition (%)

Alloy Designation	Silicon (Si)	Iron (Fe)	Titanium (Ti)	Manganes (Mn)	Magnesium (Mg)	Copper (Cu)	Zinc (Zn)	Chromium (Cr)	Others Each	Others Total
AA6063/ ALCAN 50S/IS63400	0.30 - 0.70	0.60	0.20	0.30	0.40 - 0.90	0.10	0.20	0.10	0.05	0.15
AA1050/ ALCAN C1S/IS19501	0.15	0.35	–	0.02	–	0.04	0.02	0.02	0.03	0.10
AA6101/ ALCAN D50S/IS63401	0.3 - 0.7	0.50	0.10	0.03	0.4 - 0.9	0.05	0.10	0.03	0.03	0.10
AA6351/ ALCAN B51S/IS64430	0.60 - 1.30	0.60	0.20	0.40 - 1.00	0.40 - 1.20	0.10	0.10	0.25	0.05	0.15
AA6082	0.70 - 1.30	0.50	0.10	0.40 - 1.00	0.60 - 1.20	0.10	0.20	0.25	0.05	0.15
AA6061/ ALCAN D65S/IS65032	0.40 - 0.80	0.70	0.15	0.15	0.80 - 1.20	0.15 - 0.40	0.25	0.04 - 0.35	0.05	0.15
ALCAN C62S/IS64423	0.70 - 1.30	0.80	–	1.00	0.50 - 1.30	0.50 - 1.10	–	–	0.07	0.25
AA6066	0.90 - 1.80	0.50	0.20	0.60 - 1.10	0.80 - 1.40	0.70 - 1.20	0.25	0.40	0.05	0.15

Note: Single figure shows maximum limit

Mechanical Properties

Alloy Designation	Temper	CCD (mm)	Tensile Strength (Min) Kg/mm ²	0.2% Proof Stress (Min) Kg/mm ²	% Elongation On 50mm (Min)
AA6063/ALCAN 50S/IS63400	WP/T6	0 - 150	18.9	15.3	7.0
		150 - 200	15.3	13.3	6.0
AA1050/ALCAN C1S/IS19501	M/F	–	6.12	–	25
AA6101/ALCAN D50S/IS64423	WP/T6	–	20.40	17.34	10
AA6351/AA6082/ALCAN B51S/ IS64430	WP/T6	0 - 75	31.5	27.5	7.0
		75 - 150	30.1	27.5	7.0
		150 - 336	28.0	23.0	7.0
AA6061/ALCAN D65S/IS65032	WP/T6	0 - 150	28.5	24.0	7.0
		150 - 200	25.0	20.4	6.0
AA6066/ALCAN C62S/IS64423	WP/T6	75 - 150	34.0	31.5	7.0
		150 - 220	30.1	27.5	7.0



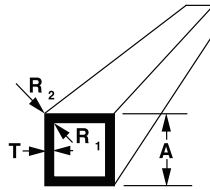
ISO9001 : 2008 Quality Management System

ISO-14001 : 2004 Environment Management System

OHSAS-18001 : 2007 Occupational Health and Safety Assessment Series

All dimensions given in this catalogue are in mm.

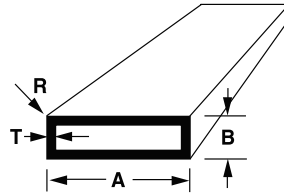
Square Tubes



Sec	A	T	R ₂	R ₁	Kg/m	Sec	A	T	R ₂	R ₁	Kg/m
9405	12.70	1.65			0.197	8300	50.00	2.00			1.037
9811	18.50	1.20			0.224	8312	50.00	1.20			0.632
8464	19.00	1.00			0.194	8454	50.00	5.00	3.00		2.430
9806	19.00	1.60	2.00	1.00	0.294	8455	50.00	3.00	0.00		1.522
8316	19.05	3.25			0.554	8477	50.00	1.60	5.00	3.40	0.805
9406	19.05	1.65			0.310	8479	50.00	1.60			0.836
8302	20.00	2.00			0.389	8322	50.80	6.35	6.35	6.35	3.048
9446	20.00	2.50	2.50		0.458	8326	50.80	3.05			1.460
8472	23.00	1.00	1.00	1.00	0.237	8327	50.80	4.78	10.16	6.35	2.228
9810	24.00	1.20			0.295	8335	50.80	2.00			1.054
8332	25.00	2.00			0.497	8467	50.80	4.50			2.250
8465	25.00	1.20			0.308	8470	50.80	6.35			3.048
8301	25.40	1.63			0.418	9404	50.80	3.25			1.669
8311	25.40	1.00			0.264	9410	50.80	3.05			1.573
8336	25.40	2.00			0.505	9886	61.00	5.00		3.00	3.045
8457	25.40	3.25			0.777	8325	63.50	6.00			3.726
9407	25.40	2.41			0.598	8461	63.50	3.25			2.114
9769	25.40	1.42			0.368	8328	76.20	6.35	6.35	3.175	4.720
8319	30.00	2.00	0.50	0.00	0.604	8330	76.20	6.35	1.00		4.788
8306	31.75	3.48			0.875	8458	76.20	3.25			2.560
8324	31.75	3.00			0.932	8478	76.20	3.18			2.507
8459	31.75	3.25			1.000	8480	90.00	2.00			1.864
8473	37.00	1.10			0.426	8333	100.00	3.00			3.142
8474	38.00	1.50	3.00	1.50	0.576	8331	101.60	6.00	1.50	1.50	6.195
8305	38.10	4.50			1.633	8460	101.60	3.25			3.452
8339	38.10	2.90			1.102	8482	101.60	6.35	1.50		6.532
8462	38.10	6.00			2.080	9862	120.00	3.00	2.50	1.50	3.782
8468	38.10	2.00	0.80		0.778						
9879	38.10	3.18			1.199						
8303	40.00	4.00			1.555						
8456	40.00	3.00			1.198						
8466	44.45	3.00			1.343						

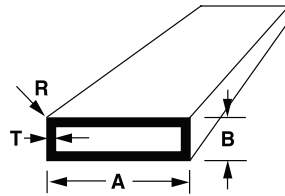


Rectangular Tubes

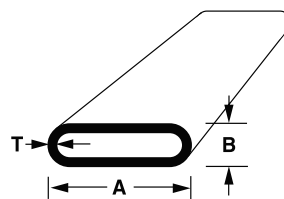


Sec	A	B	T	R	Kg/m	Sec	A	B	T	R	Kg/m
9908	20.00	12.00	1.20	1.20	0.192	9835	50.80	25.40	2.00		0.780
9736	24.00	15.00	2.00	0.50	0.377	9836	50.80	25.40	1.50	1.50	0.593
8366	30.00	20.00	1.50	0.50	0.380	8509	55.00	35.00	3.00	2.00	1.352
8363	33.00	20.00	1.20	2.50	0.317	9809	63.00	37.00	1.50		0.786
8400	37.00	24.00	0.90		0.287	9833	63.00	37.00	1.20	0.40	0.635
8420	37.00	24.00	1.00		0.318	8352	63.50	38.10	3.00		1.549
8431	37.00	24.00	1.15		0.364	8411	63.50	38.10	1.28		0.687
8389	38.10	25.40	2.90		0.904	8430	63.50	38.10	1.80		0.953
8409	38.10	25.40	3.25		1.000	9414	63.50	38.10	3.05		1.573
9412	38.10	25.40	2.41		0.764	9771	63.50	38.10	2.00	2.00	1.054
9826	38.10	25.40	1.50		0.490	8404	65.00	25.40	1.15		0.547
9827	38.10	25.40	2.00		0.643	8372	75.00	45.00	5.00	1.00	2.970
8399	40.00	20.00	2.00		0.605	8350	76.20	25.40	1.20		0.643
8432	40.00	25.00	2.00		0.659	8382	76.20	50.80	2.80		1.836
9927	40.00	20.00	3.00		0.877	8384	76.20	25.40	2.80		1.452
8433	44.45	38.01	3.18	0.40	1.308	8415	76.20	50.80	4.50		2.867
9612	44.45	25.40	2.41	2.41	0.846	8481	80.00	80.00	6.00		4.795
8371	45.00	25.00	5.00	1.00	1.620	9917	80.00	40.00	4.00		2.419
8421	48.00	24.00	1.00		0.378	9808	82.00	37.00	1.80		1.122
8362	49.80	20.00	1.20	2.50	0.426	9832	82.00	37.00	1.50		0.942
8365	50.00	30.00	2.00	0.50	0.82	8375	100.00	50.00	1.60		1.268
8423	50.00	25.00	3.00		1.117	9896	100.00	40.00	1.50		1.110
8317	50.80	38.10	3.25		1.446	85460	100.00	50.00	4.70		3.568
8351	50.80	25.40	1.20		0.478	8417	101.50	44.50	1.60		1.236
8354	50.80	25.40	1.44		0.570	9831	101.50	44.50	1.80		1.386
8379	50.80	25.40	3.18	6.35	1.127	8355	101.60	44.75	1.35		1.047
8405	50.80	25.40	3.25		1.223	8364	101.60	50.80	6.35	1.00	4.788
8406	50.80	25.40	3.18		1.199	8380	101.60	50.80	4.78	0.40	3.687
8407	50.80	25.40	3.00		1.137	8387	101.60	25.40	2.90		1.898
8413	50.80	25.40	4.50		1.633	8390	101.60	25.40	3.25		2.114
8429	50.80	25.40	1.80		0.706						
9413	50.80	25.40	2.41		0.929						

Rectangular & Oval Tubes



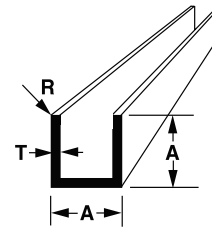
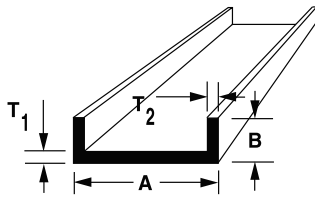
Sec	A	B	T	R	Kg/m
8403	101.60	50.80	3.25		2.560
8425	101.60	50.80	3.18		2.507
9491	101.60	44.45	3.18		2.398
8426	110.00	100.00	4.00	4.00	4.363
8402	120.00	60.00	2.00		1.901
8381	127.00	50.80	4.76		4.325
9726	127.00	63.50	4.00	4.00	3.979
8360	150.00	60.00	3.00	0.30	3.305
8376	150.00	50.00	3.00		3.143
8394	150.00	50.00	2.50		2.633
8395	152.40	69.85	9.50		10.422
8397	152.40	50.80	3.00	1.00	3.195
8377	200.00	50.00	3.00		3.953



Sec	A	B	T	R	Kg/m
9660	15.10	9.70	2.23		0.206
9577	19.30	12.40	2.84		0.336
8639	26.50	18.00	4.00		0.931
9861	31.80	21.00	5.00		0.970
9574	35.40	22.69	5.13		1.116
9573	41.61	26.80	6.15		1.569
9855	46.00	18.00	2.00		0.574
8948	32.00	18.00	1.00		0.220

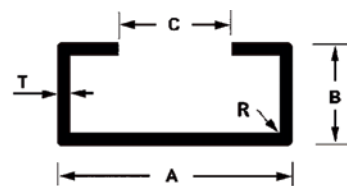


Channels



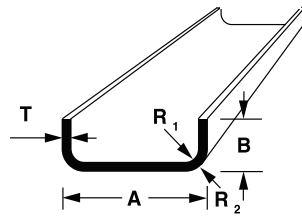
Sec	A	B	T ₁	T ₂	Kg/m
2221	8.75	9.50	1.50	1.20	0.087
2369	13.40	11.11	2.70	2.35	0.204
2310	16.00	12.70	1.55	1.55	0.160
2169	19.00	13.00	1.00	1.00	0.116
2200	25.40	12.70	3.18	3.18	0.381
2287	30.00	12.70	1.20	1.20	0.172
2316	31.75	25.40	3.17	3.17	0.652
2612	31.75	25.40	4.76	3.18	0.762
2204	31.76	12.70	3.18	3.18	0.436
2263	33.00	15.00	2.00	2.00	0.319
2201	38.10	19.05	3.18	3.18	0.599
2613	44.45	25.40	4.76	3.18	0.925
2199	50.00	25.00	3.00	3.00	0.761
2202	50.80	25.40	4.76	4.76	1.183
2247	50.80	25.40	3.2	3.2	0.822
2255	50.80	25.40	2.9	2.9	0.750
2125	75.00	40.00	5.00	5.00	1.957
2297	75.00	72.50	3.00	3.00	1.752
2236	76.20	38.10	6.35	7.94	2.667
2258	76.20	38.10	6.35	6.35	2.395
2311	76.20	25.40	3.18	3.18	1.032
2364	76.20	32.00	4.00	4.00	1.424
2250	100.00	50.00	5.00	5.00	2.564
2270	100.00	75.00	6.00	6.00	3.855
2237	101.60	50.80	6.35	6.35	3.647
2335	101.60	76.20	9.53	9.53	6.042
2398	101.60	50.80	6.00	6.00	3.097
2417	127.00	50.80	6.00	6.00	3.509
2273	152.40	50.80	6.35	6.35	4.513
2350	200.00	50.00	10.00	10.00	7.560
2416	200.00	70.00	4.00	7.00	4.654

Sec	A	T	R	Kg/m
2284	9.52	1.20		0.085
2209	9.52	1.60		0.109
2241	12.70	1.59		0.149
2386	19.05	3.18		0.436
2387	22.22	3.18		0.517
2256	25.40	2.90		0.551
2388	25.40	3.18		0.599
2293	31.75	3.18		0.763
2798	31.75	3.18		0.763
2304	38.10	4.76		1.344
2393	38.10	3.18		0.926
2281	50.00	3.00		1.166
2105	50.80	3.17		1.250
2298	50.80	6.35	1.50	2.390
2312	100.00	10.00		7.559



Sec	A	B	C	T	R	Kg/m
2751	22.50	14.00	9.00	2.50		0.363
2715	100.00	50.00	60.00	4.00	2.00	2.391

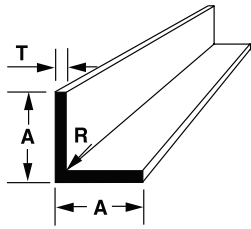
Channels with Radius



Sec	A	B	T	R ₁	Kg/m	Sec	A	B	T	R ₁	Kg/m
2334	28.00	19.00	2.00	2.30	0.319	2336	127.00	48.00	8.00	9.50	4.575
2389	35.06	38.10	3.18	3.00	0.900	2242	138.00	68.00	6.00	6.00	4.286
2320	39.04	9.53	3.25	1.50	0.443	2246	150.00	76.00	12.00	12.00	9.132
2321	39.04	15.88	3.25	1.50	0.540	2327	152.40	76.20	6.35	12.19	6.375
2307	44.50	19.05	1.98	2.39	0.430	2332	152.40	51.66	8.10	11.11	5.381
2315	50.00	30.00	2.50	2.50	0.687	2338	152.40	50.80	6.35	6.35	4.562
2374	50.80	25.40	4.76	8.00	1.069	2339	152.40	76.20	6.35	6.35	6.247
2280	51.20	40.00	4.10	3.00	1.364	2376	152.40	50.80	9.53	5.00	6.074
2375	53.80	25.40	4.76	8.00	1.107	2379	152.40	76.20	9.53	10.00	8.602
2361	57.00	45.00	3.00	2.00	1.136	2392	152.40	76.20	6.00	5.00	5.527
2103	60.00	45.00	2.50	2.50	0.985	2349	177.00	76.00	8.00	11.00	6.900
2373	63.50	25.40	4.76	8.00	1.232	2319	177.80	58.40	9.98	11.11	7.543
2223	75.00	35.00	6.00	3.00	2.164	2380	177.80	76.20	9.53	10.00	9.255
2219	76.00	64.00	10.00	6.00	4.713	2267	180.00	75.00	10.00	3.00	8.380
2232	76.00	72.00	10.00	6.00	5.145	2205	200.00	60.00	4.00	5.00	3.395
2300	76.20	38.10	6.35	7.62	2.735	2317	203.20	65.00	11.84	12.70	10.081
2305	76.20	38.10	3.96	7.62	1.906	2323	203.20	101.60	9.58	14.29	12.580
2366	76.20	50.08	6.35	1.5	2.83	2326	203.20	101.60	9.58	14.29	12.593
2382	76.20	38.10	6.35	8.5	2.73	2378	203.20	76.20	9.53	10.00	9.909
2404	88.90	28.58	3.00	2.00	1.11						
2309	90.00	40.00	4.00	4.00	1.962						
2215	100.00	76.00	14.00	12.00	8.592						
2216	100.00	76.00	12.00	12.00	7.512						
2328	100.00	50.00	8.00	3.00	3.971						
2342	100.00	50.00	6.25	10.00	3.693						
2141	101.60	50.80	6.00	2.00	3.100						
2302	101.60	50.80	6.35	9.14	3.744						
2322	101.60	41.83	6.68	9.52	3.205						
2377	101.6	50.08	6.35	1.50	3.26						
2343	101.72	50.80	6.35	9.00	3.744						
2106	101.72	50.80	6.35	9.00	3.76						
2206	104.00	100.00	12.00	10.00	9.177						



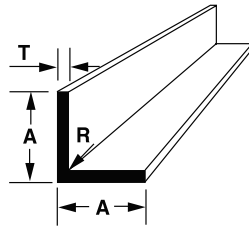
Equal Leg Angles



Sec	A	T	Kg/m
1614	12.70	1.50	0.096
1740	12.70	2.90	0.168
1750	12.70	3.18	0.191
1835	12.70	1.50	0.097
1793	19.00	1.50	0.147
1751	19.05	3.18	0.300
1788	19.05	3.00	0.284
1795	19.05	1.59	0.157
1897	19.05	3.18	0.300
1609	20.00	2.00	0.205
1702	20.64	1.98	0.210
1781	21.00	2.00	0.216
1709	23.50	1.50	0.184
1705	23.83	1.57	0.195
1746	25.00	1.50	0.197
1773	25.00	2.00	0.259
1783	25.00	3.00	0.381
1785	25.00	1.60	0.208
1605	25.40	6.00	0.725
1607	25.40	8.00	0.924
1700	25.40	3.18	0.408
1745	25.40	2.90	0.375
1752	25.40	3.18	0.409
1787	25.40	1.10	0.148
1794	25.40	1.59	0.211
1795	25.40	4.50	0.562
1801	25.40	1.60	0.213
1830	25.40	5.80	0.705
1638	25.40	3.18	0.414
1618	30.00	3.00	0.461
1833	30.00	1.50	0.237

Sec	A	T	Kg/m
1744	31.74	2.90	0.474
1616	31.75	1.58	0.264
1699	31.75	6.35	0.979
1730	31.75	3.00	0.490
1733	31.75	5.80	0.903
1749	31.75	4.76	0.755
1753	31.75	3.18	0.532
1796	31.75	3.18	0.518
1821	31.75	4.50	0.717
1838	32.00	3.00	0.494
1747	38.00	3.00	0.591
1604	38.10	1.58	0.318
1636	38.10	3.18	0.631
1639	38.10	4.77	0.933
1701	38.10	1.63	0.328
1711	38.10	3.18	0.627
1712	38.10	4.76	0.918
1714	38.10	6.35	1.197
1728	38.10	3.00	0.593
1755	38.10	3.18	0.627
1756	38.10	4.76	0.934
1808	38.10	5.80	1.102
1875	38.10	4.50	0.871
1937	38.10	4.80	0.924
1776	40.00	3.50	0.722
1790	40.00	5.00	1.011
1831	40.00	2.00	0.421
1955	40.00	3.75	0.772
1956	40.00	4.00	0.820
1601	44.45	3.18	0.736
1767	44.45	4.78	1.105
1780	44.45	4.78	1.085
1816	44.45	6.00	1.343
1622	45.00	8.00	1.792
1789	45.00	5.00	1.147
1611	50.00	5.00	1.282

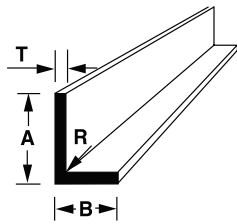
Equal Leg Angles



Sec	A	T	Kg/m	Sec	A	T	Kg/m
1621	50.00	6.00	1.497	1748	63.50	2.90	0.972
1732	50.00	3.00	0.786	1759	63.50	6.35	2.068
1782	50.00	3.00	0.786	1760	63.50	6.35	2.095
1832	50.00	2.00	0.529	1768	63.50	4.78	1.604
1836	50.00	6.00	1.522	1828	63.50	9.50	3.014
1844	50.00	6.00	1.522	1619	65.00	6.00	2.008
1848	50.00	4.50	1.160	1603	70.00	2.00	0.745
1713	50.80	4.76	1.244	1716	75.00	6.00	2.322
1715	50.80	6.35	1.633	1813	75.00	6.00	2.336
1718	50.80	6.35	1.637	1608	76.20	12.70	4.788
1720	50.80	4.50	1.179	1719	76.20	9.00	3.484
1721	50.80	4.50	1.179	1742	76.20	3.00	1.210
1722	50.80	6.00	1.548	1770	76.20	3.18	1.279
1729	50.80	3.00	0.799	1784	76.20	6.00	2.371
1739	50.80	9.52	2.367	1843	76.20	9.52	3.672
1765	50.80	6.35	1.654	1845	76.20	6.35	2.504
1766	50.80	4.78	1.265	1814	80.00	8.00	3.283
1797	50.80	3.18	0.845	1762	88.90	6.35	2.980
1807	50.80	5.80	1.500	1625	90.00	10.00	4.604
1810	50.80	5.00	1.304	1506	101.60	9.52	5.016
1839	50.80	1.58	0.426	1600	101.60	6.35	3.374
1504	50.80	1.58	0.426	1606	101.60	3.18	1.717
1508	50.80	6.35	1.639	1731	101.60	6.00	3.195
1757	50.80	4.76	1.244	1738	101.60	12.70	6.532
1635	50.80	4.77	1.268	1723	101.60	9.52	4.978
1637	50.80	3.18	0.849	1938	101.60	9.53	4.983
1624	60.00	8.00	2.440	1628	110.00	12.00	6.734
1704	60.00	8.00	2.419	1724	127.00	6.35	4.246
1631	63.50	3.18	1.063	1727	127.00	12.70	8.274
1735	63.50	4.50	1.488	1811	127.00	9.52	6.282
1743	63.50	6.00	1.960	1809	152.40	6.00	4.841
				1812	152.40	12.70	10.014



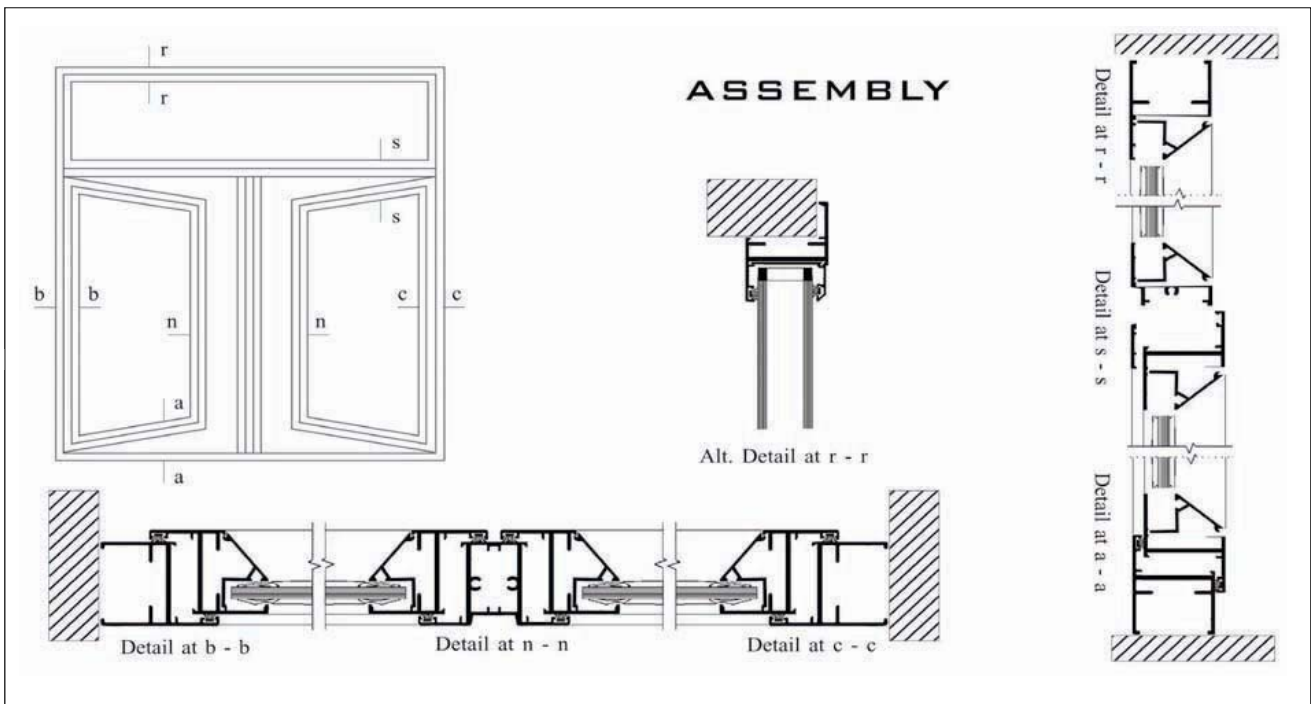
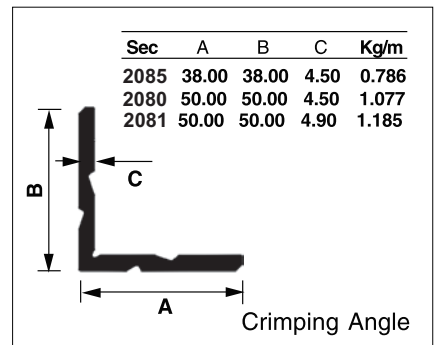
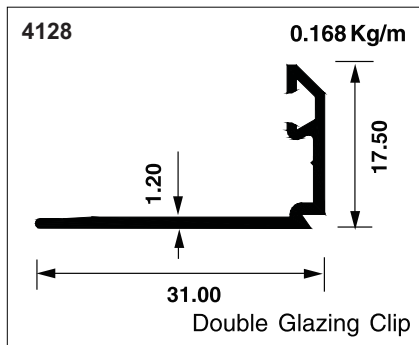
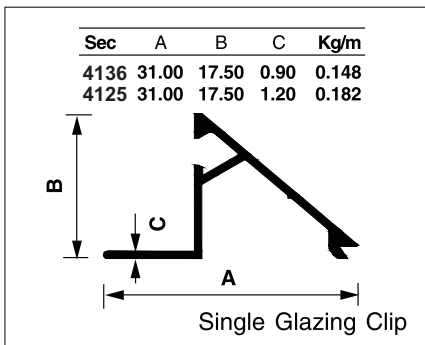
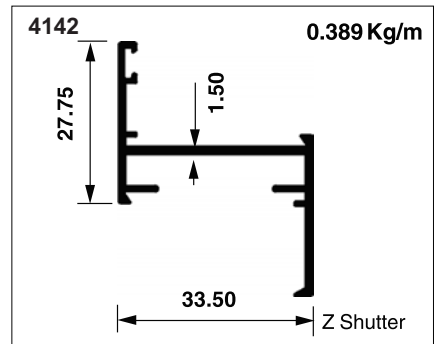
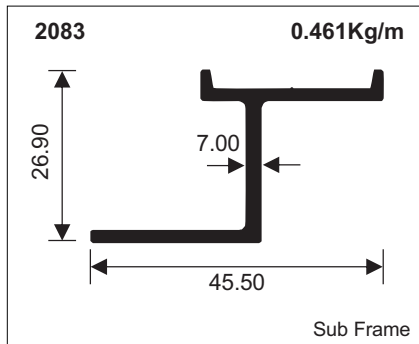
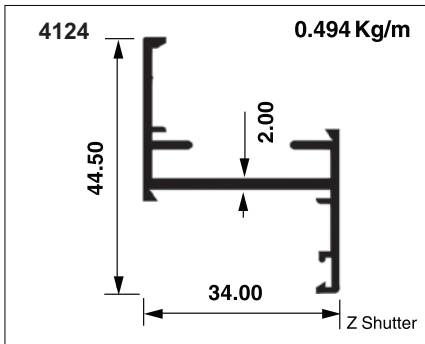
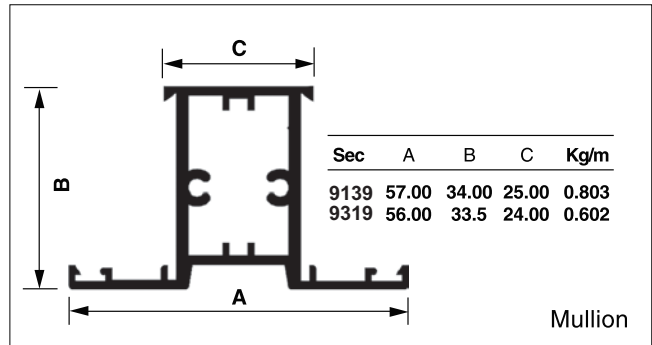
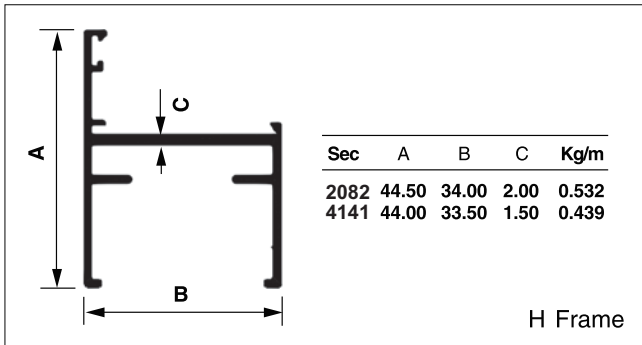
Unequal Leg Angles



Sec	A	B	T	Kg/m
1513	14.90	9.90	2.00	0.123
1988	18.00	12.00	2.00	0.151
1737	19.05	9.52	1.58	0.115
1912	19.05	15.88	2.38	0.209
1725	22.00	12.70	3.10	0.264
1505	25.40	12.70	1.59	0.156
1850	25.40	12.70	1.59	0.157
1866	25.40	12.70	2.38	0.299
1863	30.18	9.93	1.98	0.203
1854	31.75	19.05	3.18	0.408
1948	31.75	25.40	3.18	0.463
1786	36.00	30.00	1.20	0.208
1881	38.00	25.00	3.00	0.486
1855	38.10	25.40	3.18	0.517
1877	38.10	25.40	4.75	0.753
1890	38.10	25.40	2.90	0.474
1958	38.10	19.05	3.18	0.463
1985	38.10	25.40	2.20	0.364
1987	38.10	25.40	2.30	0.380
1945	40.00	20.00	2.00	0.313
1954	40.00	18.00		0.444
1633	50.00	30.00	4.00	0.824
1960	50.00	25.00	3.00	0.583
1893	50.80	25.40	3.18	0.627
1929	50.80	101.60	6.00	2.386
1975	50.80	25.40	6.35	1.197
1976	50.80	25.40	3.18	0.626
1978	50.80	25.40	4.76	0.918
1623	60.00	50.00	6.00	1.693
1903	63.50	50.80	4.76	1.433
1949	63.50	38.10	3.18	0.845
1982	63.5	38.10	4.50	1.180
1634	65.00	33.00	7.00	1.264

Sec	A	B	T	Kg/m
1927	75.00	50.00	6.00	1.927
1815	76.20	50.80	6.35	2.091
1892	76.20	50.80	6.35	2.069
1904	76.20	50.80	6.35	2.095
1913	76.20	63.50	7.94	2.851
1926	76.20	50.80	6.00	1.974
1930	76.20	50.80	4.50	1.488
1944	76.20	38.10	4.50	1.334
1951	76.20	38.10	6.35	1.850
1974	76.20	25.40	3.18	0.845
1980	76.20	50.80	3.18	1.063
1981	76.20	25.40	6.00	1.548
1905	88.90	63.50	6.35	2.537
1626	100.00	75.00	10.00	4.465
1627	100.00	90.00	10.00	4.917
1503	100.00	75.00	8.00	3.621
1977	100.00	50.00	6.00	2.332
1509	100.00	50.00	3.00	1.19
1507	101.60	76.20	9.52	4.354
1511	101.60	76.20	9.52	4.371
1936	101.60	76.20	6.35	2.939
1884	101.60	50.80	6.00	2.372
1941	101.60	25.40	2.90	0.972
1962	101.60	50.80	12.70	4.790
1967	101.60	50.80	3.18	1.281
1968	101.60	50.80	6.35	2.504
1922	125.00	100.00	6.50	3.871
1947	127.00	50.80	6.35	2.939
1952	127.00	76.20	6.35	3.375
1971	127.00	50.80	6.00	2.783
1510	132.50	69.00	5.50	2.806
1629	150.00	100.00	10.00	6.537
1792	152.40	101.60	12.70	8.286
1885	152.40	76.20	6.00	3.606
1963	152.40	50.80	6.00	3.195
1973	152.40	76.20	12.70	7.496
1900	180.00	40.00	3.00	1.762
1918	210.00	39.00	4.00	2.376

Casement Windows 34mm Series



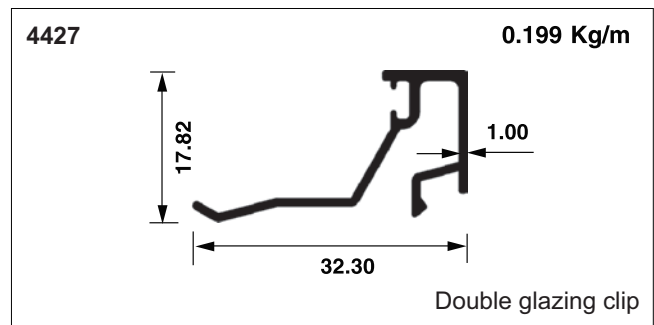
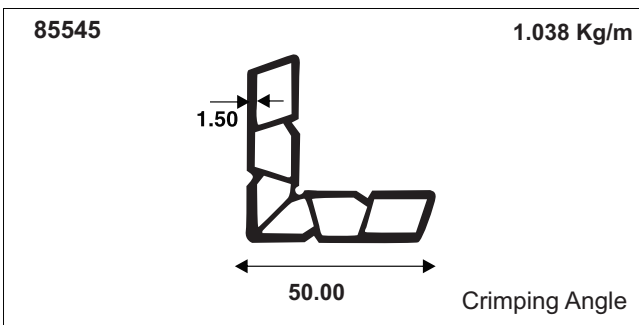
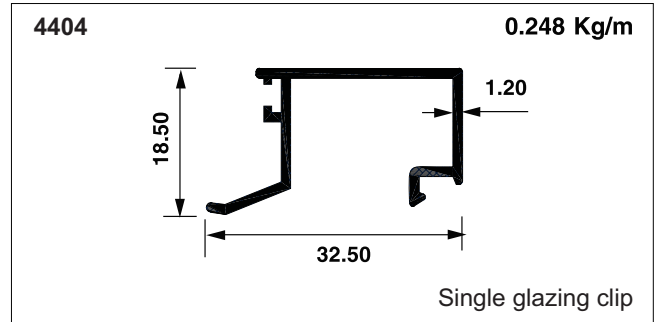
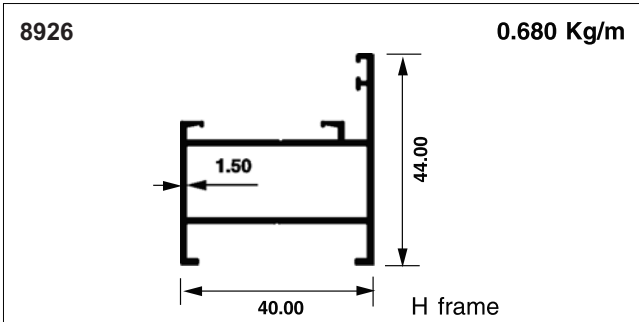
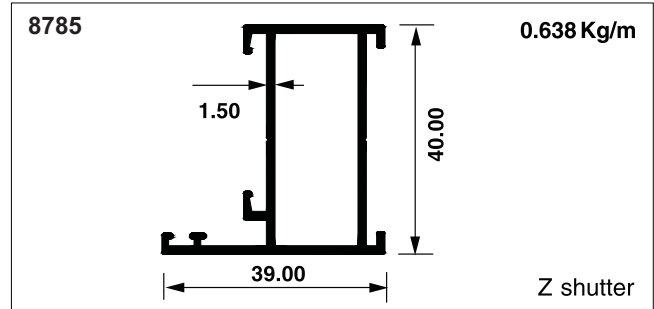
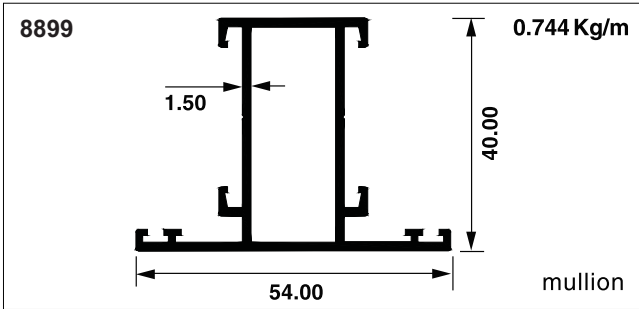


Casement Windows 40mm Series

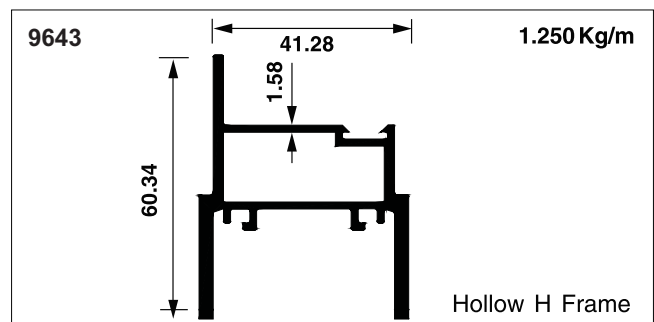
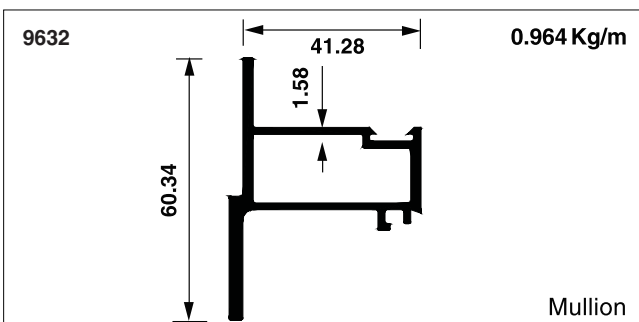
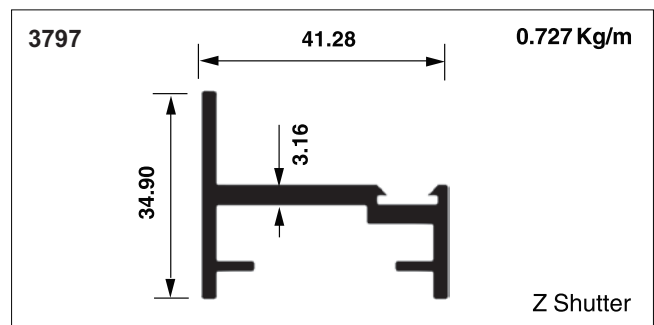
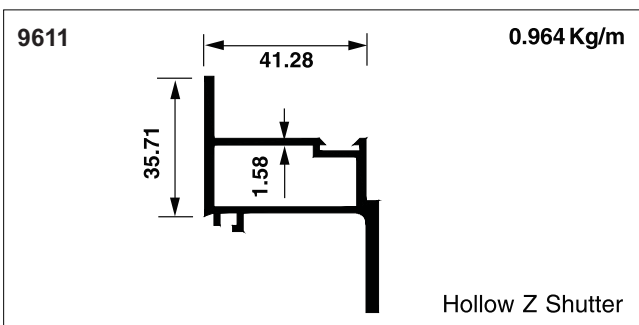
<p>4133 0.639 Kg/m</p> <p style="text-align: center;">H Shutter</p>	<p>9148 0.636 Kg/m</p> <p style="text-align: center;">Hollow Z Shutter</p>	
<p>4132 0.585 Kg/m</p> <p style="text-align: center;">Z Shutter</p>	<p>8841 0.775 Kg/m</p> <p style="text-align: center;">Mullion</p>	<p>9149 0.933 Kg/m</p> <p style="text-align: center;">Mullion</p>
<p>4134 0.133 Kg/m</p> <p style="text-align: center;">Double Glazing Clip</p>	<p>2081 1.185 Kg/m</p> <p style="text-align: center;">Crimping Angle</p>	<p>4135 0.165 Kg/m</p> <p style="text-align: center;">Single Glazing Clip</p>

ASSEMBLY

Casement Windows 40mm Super Series

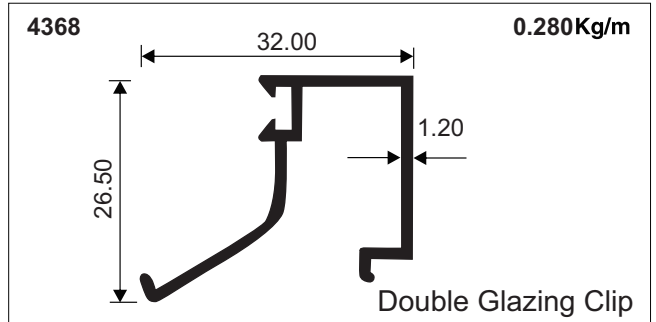
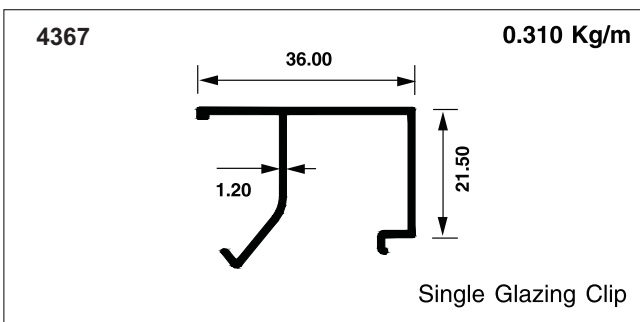
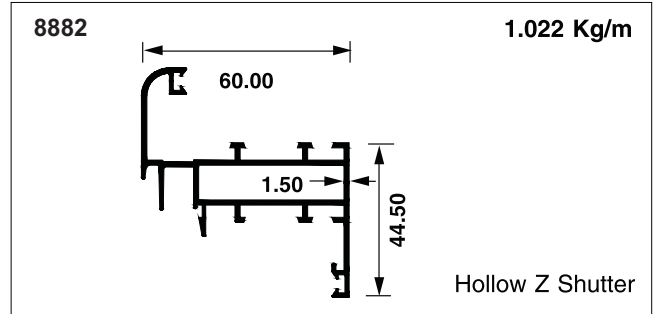
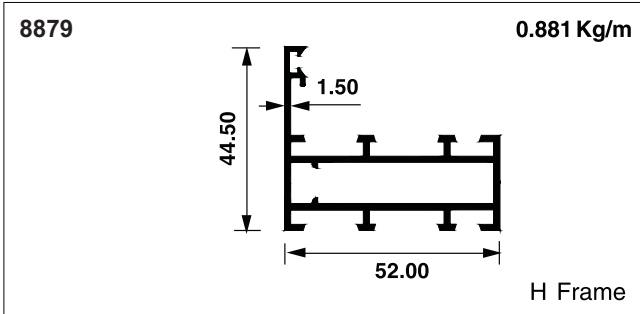
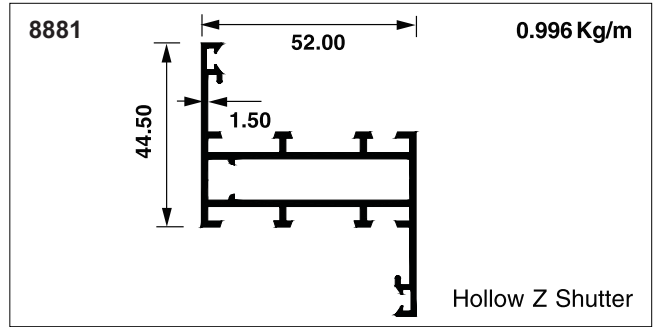
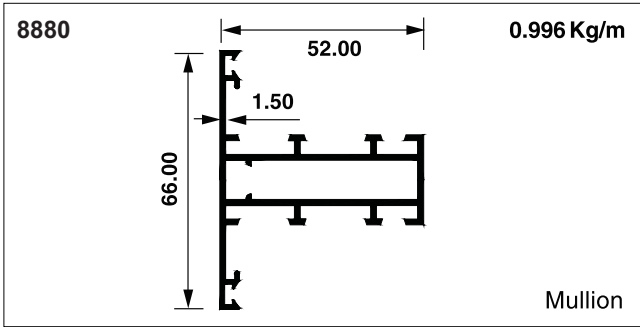


Casement Windows Heavy Series

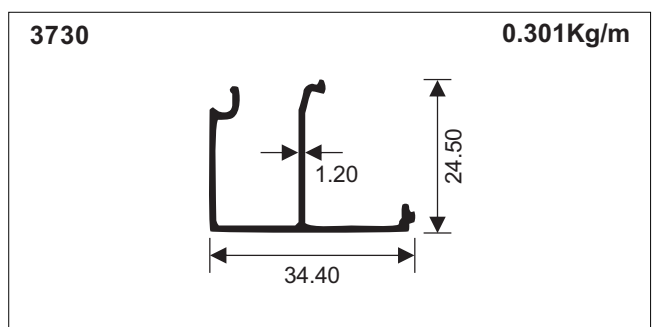
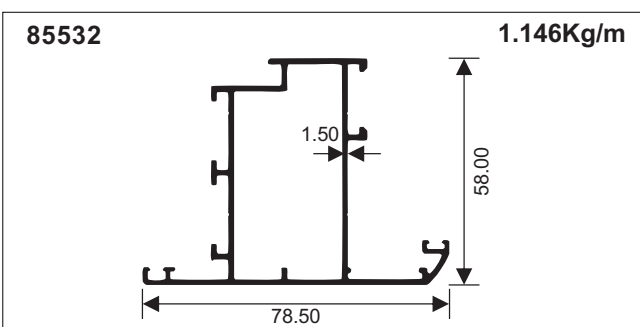
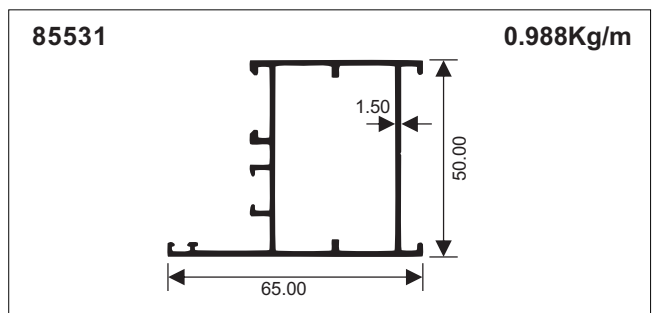
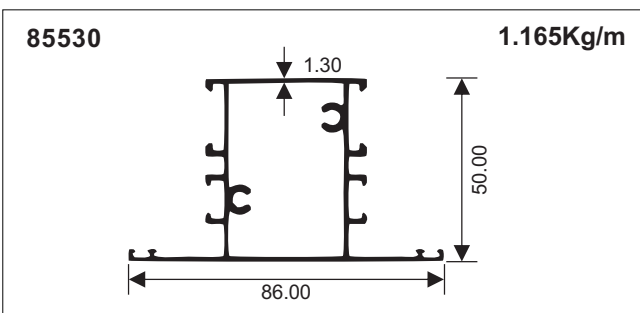




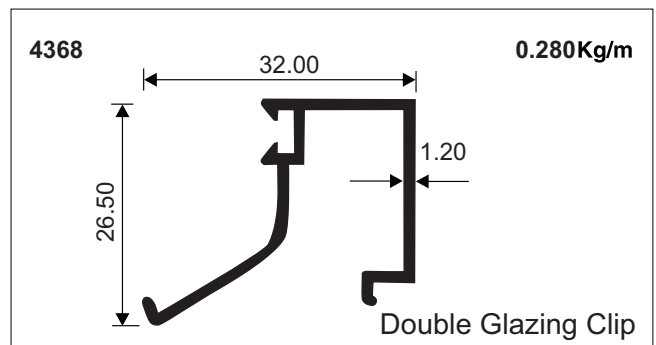
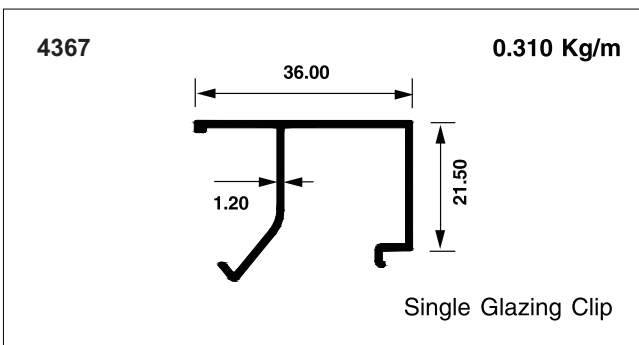
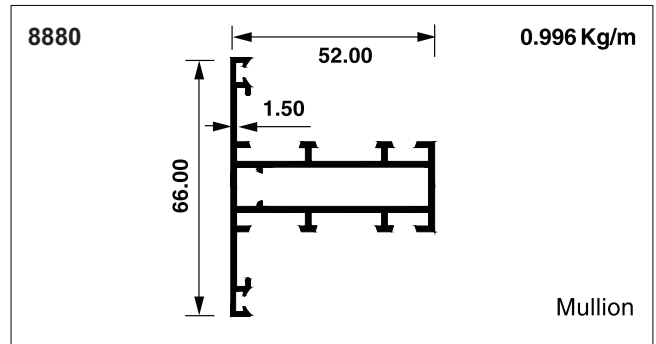
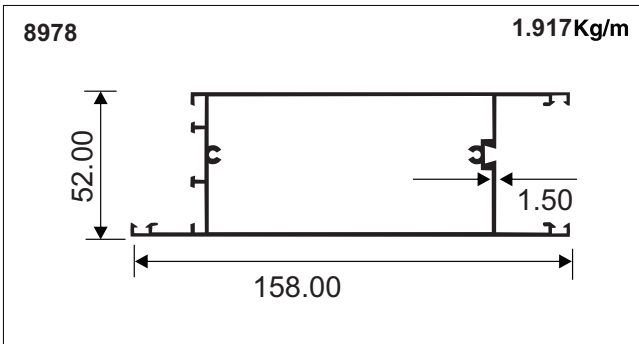
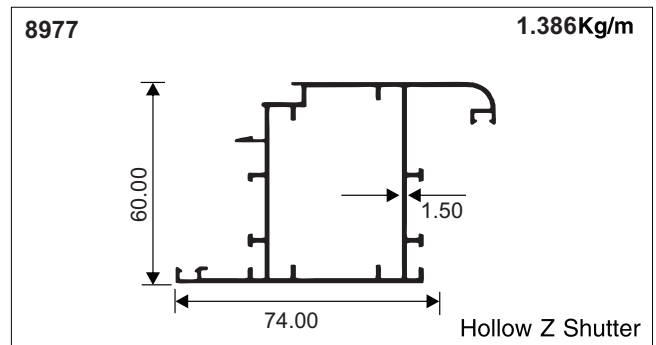
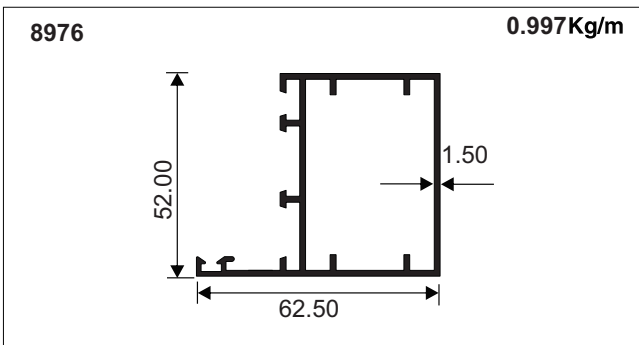
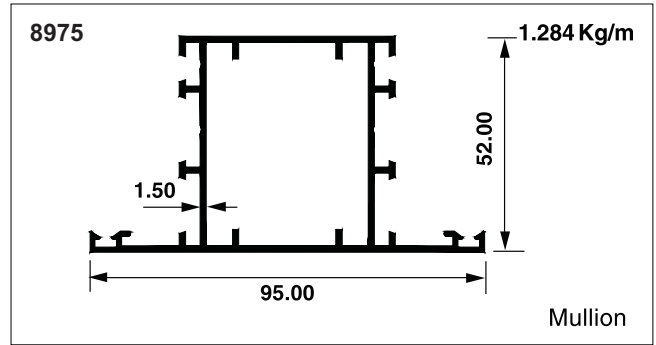
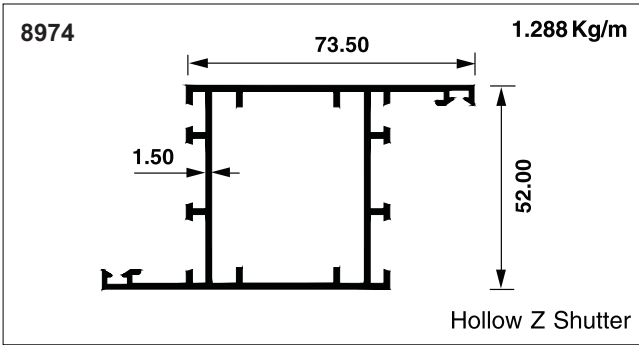
Casement Windows 45mm Series



Casement Windows 50mm Series

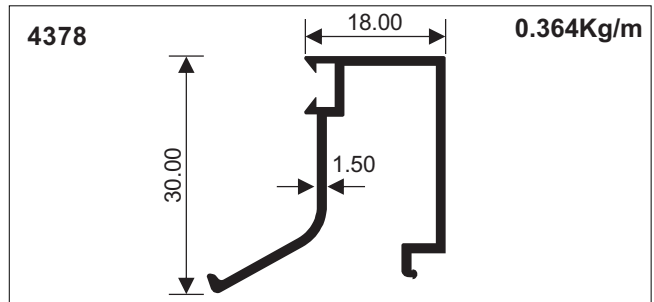
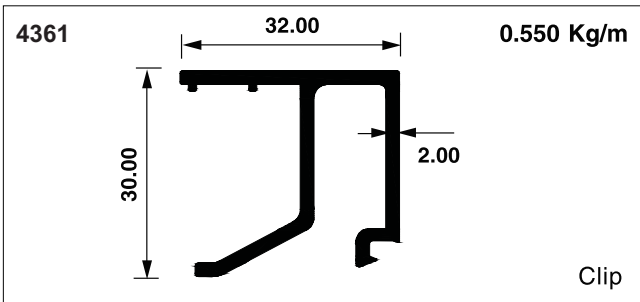
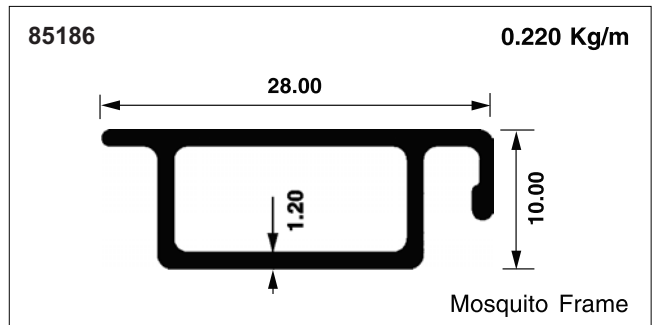
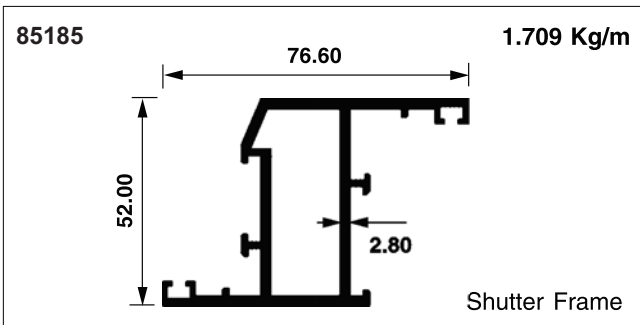
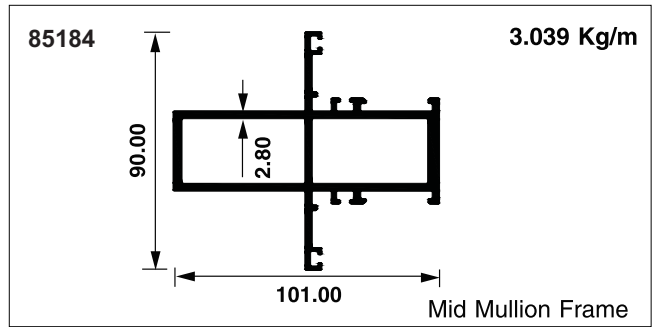
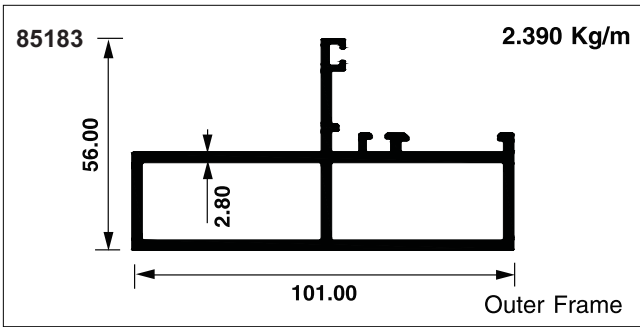


Casement Windows 52mm Series

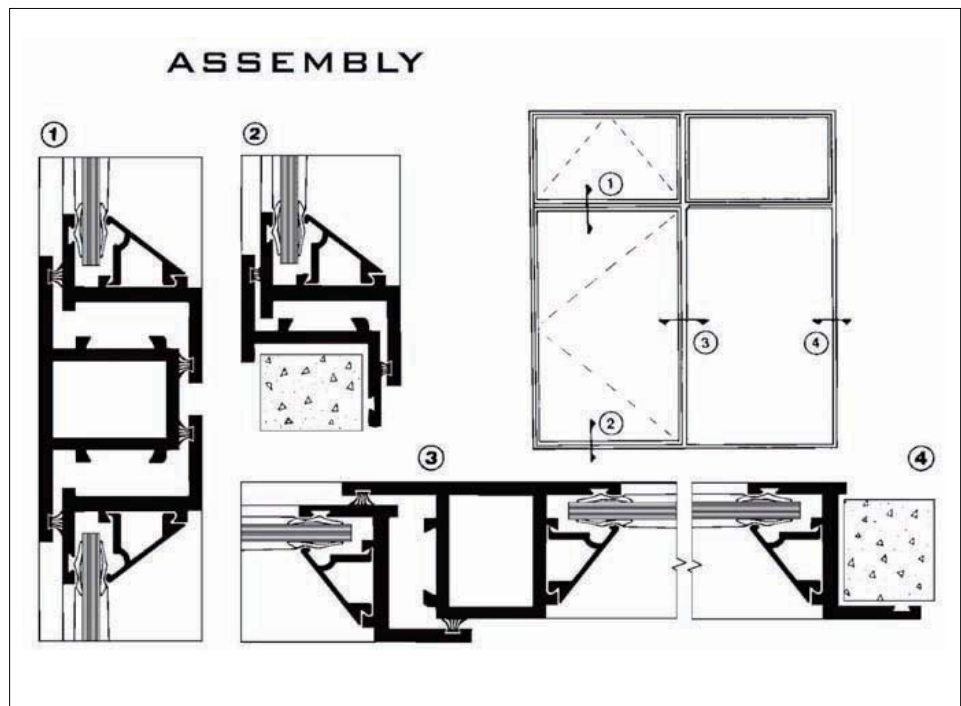
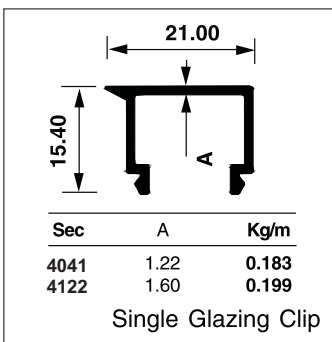
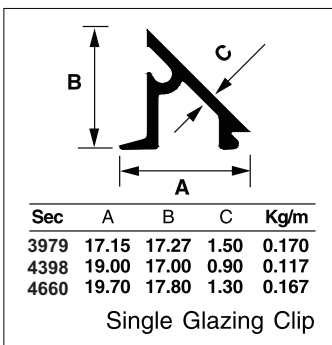
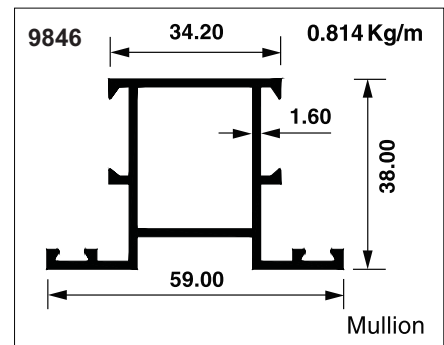
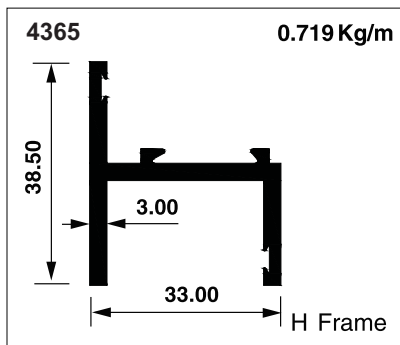
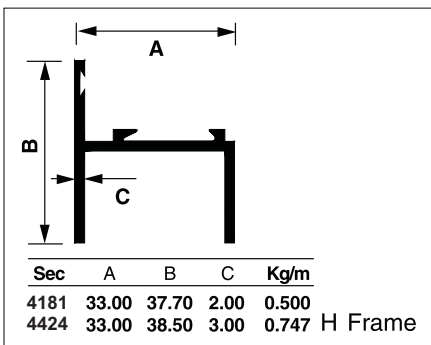
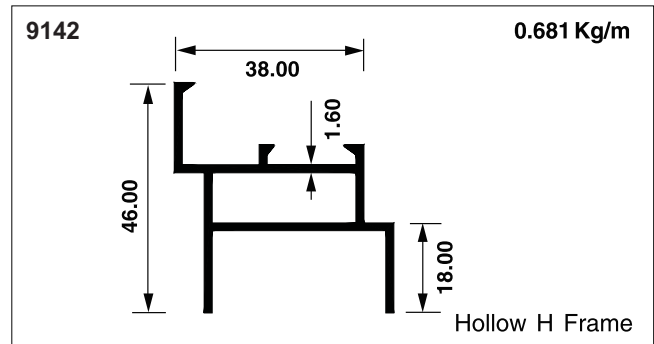
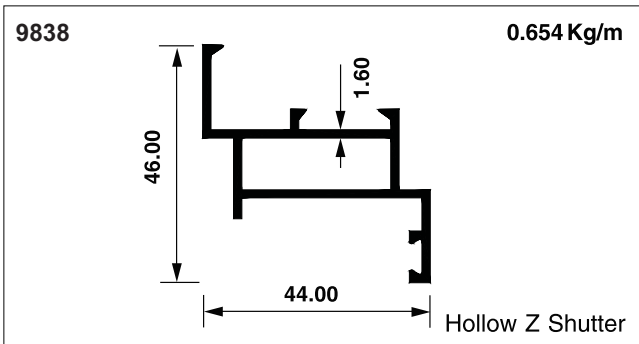
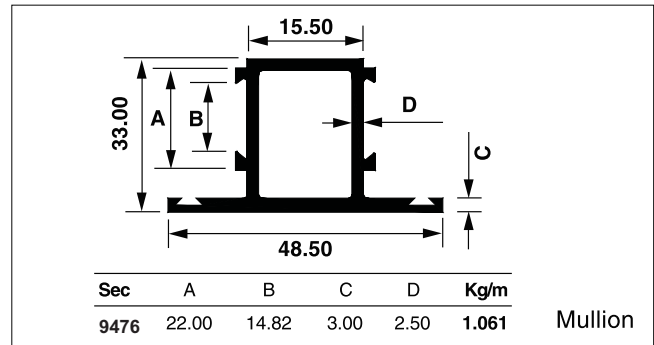
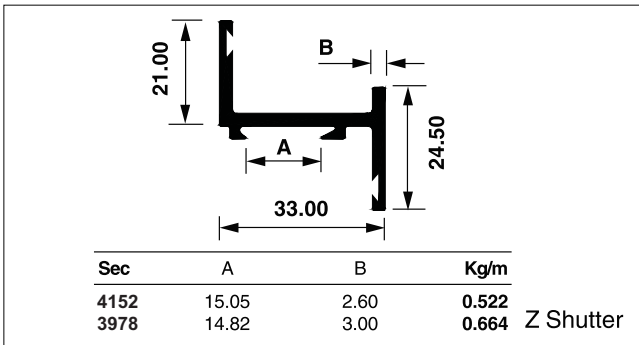




Casement Windows 100 mm Series

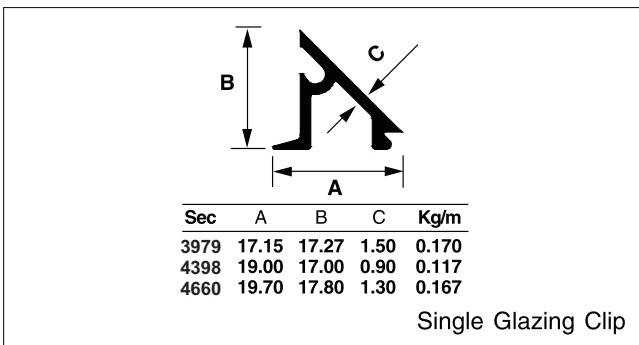
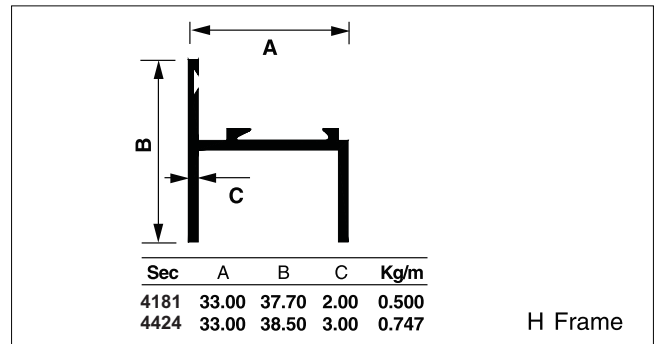
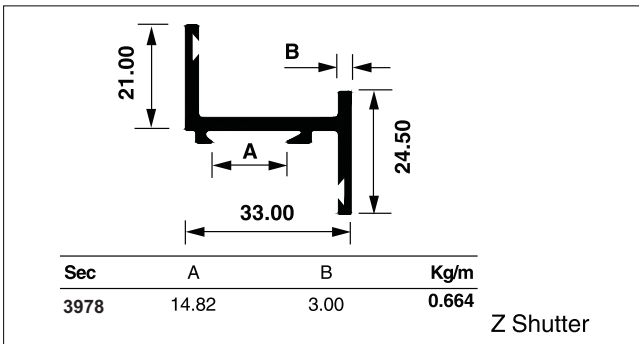
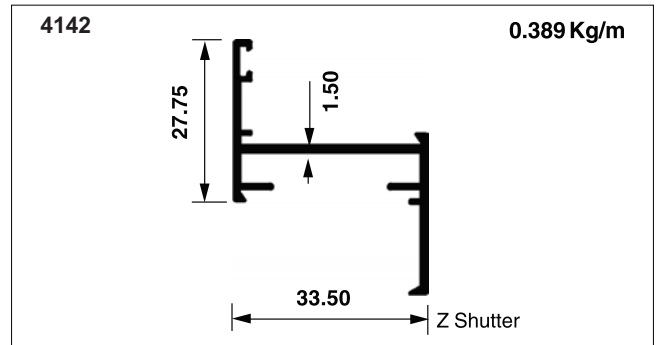
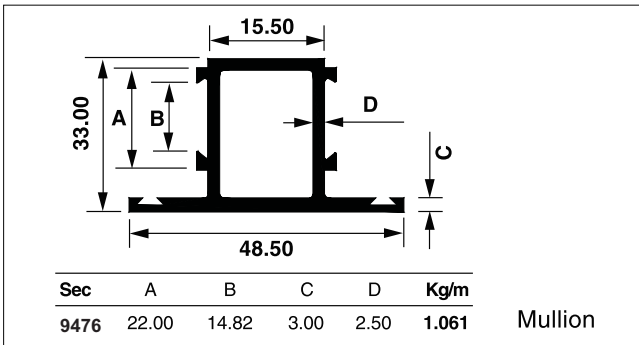


Casement Windows General Series - I

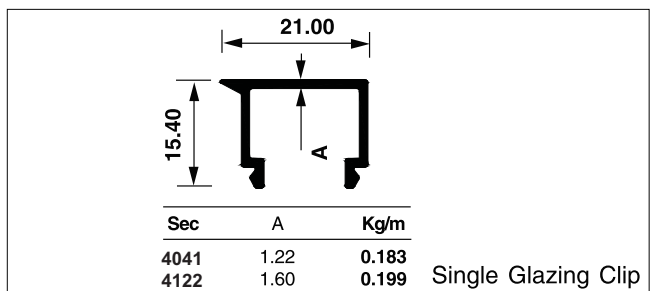
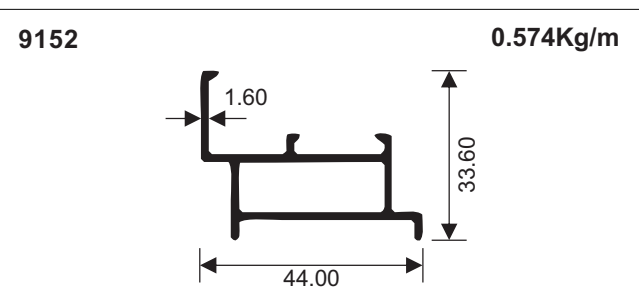
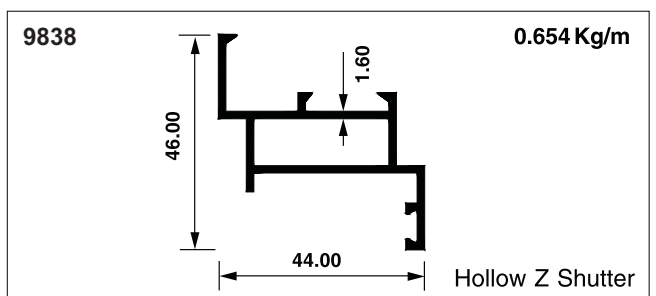
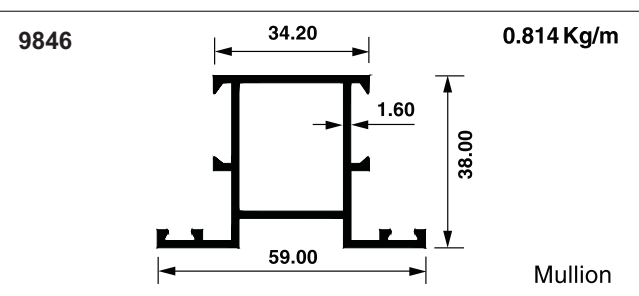




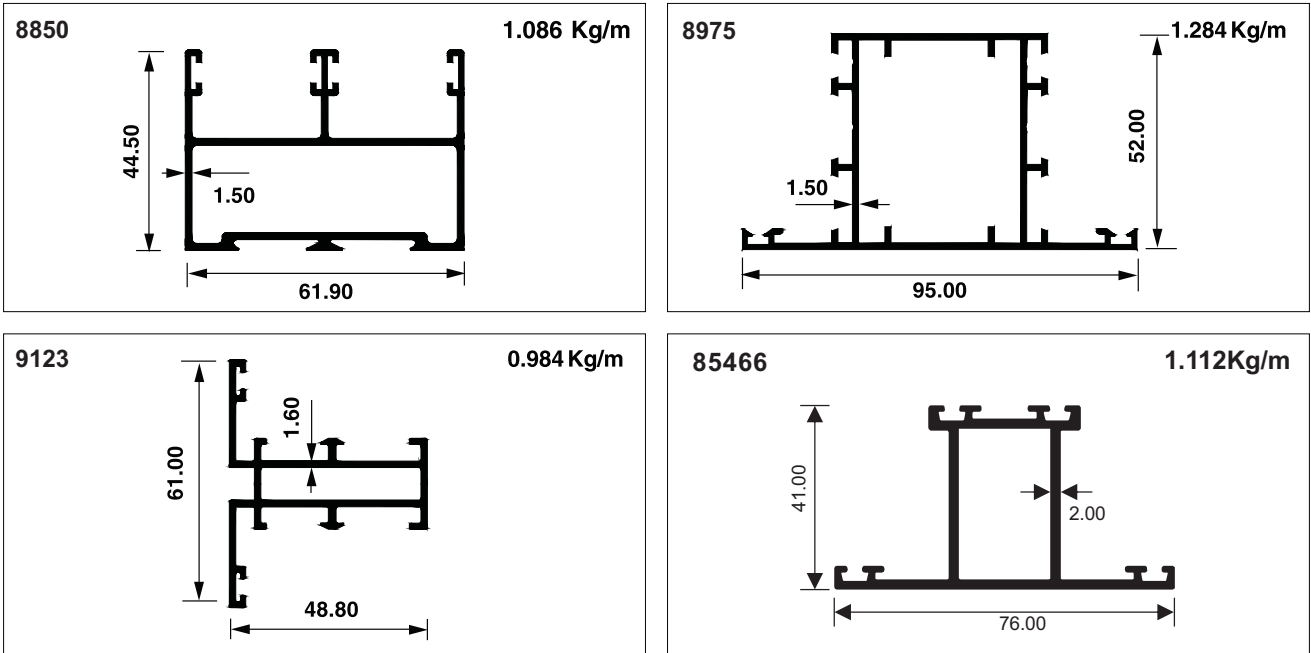
Casement Windows General Series -II



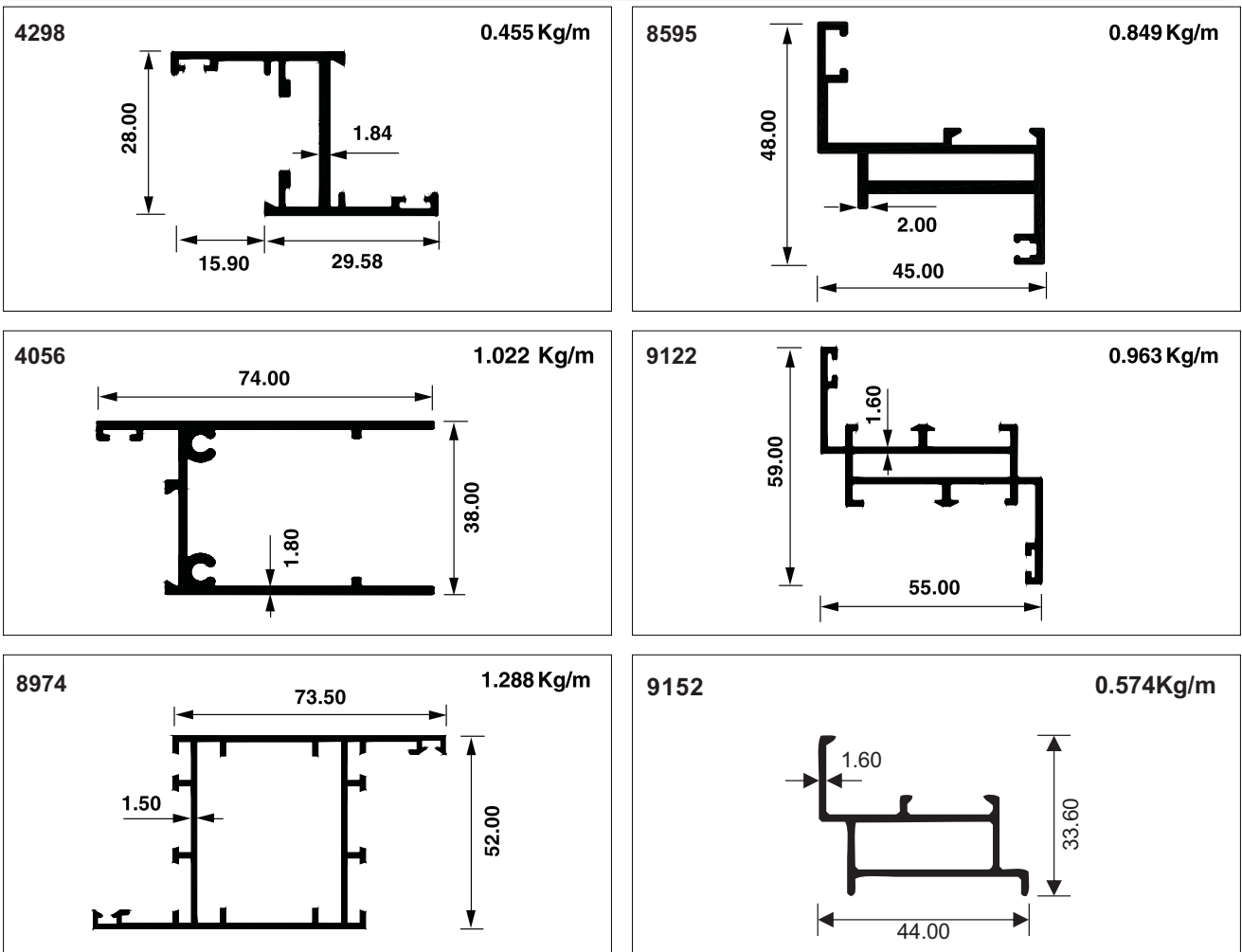
Casement Windows General Series -III



Casement Windows Mullion

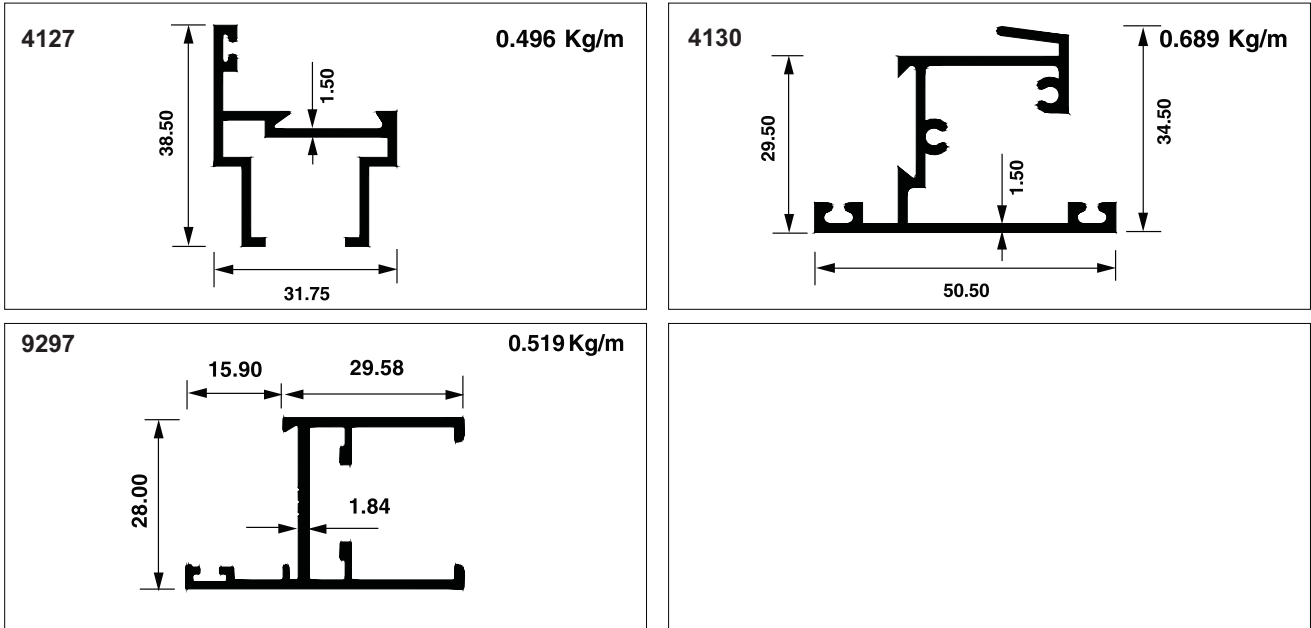


Casement Windows Z Shutter

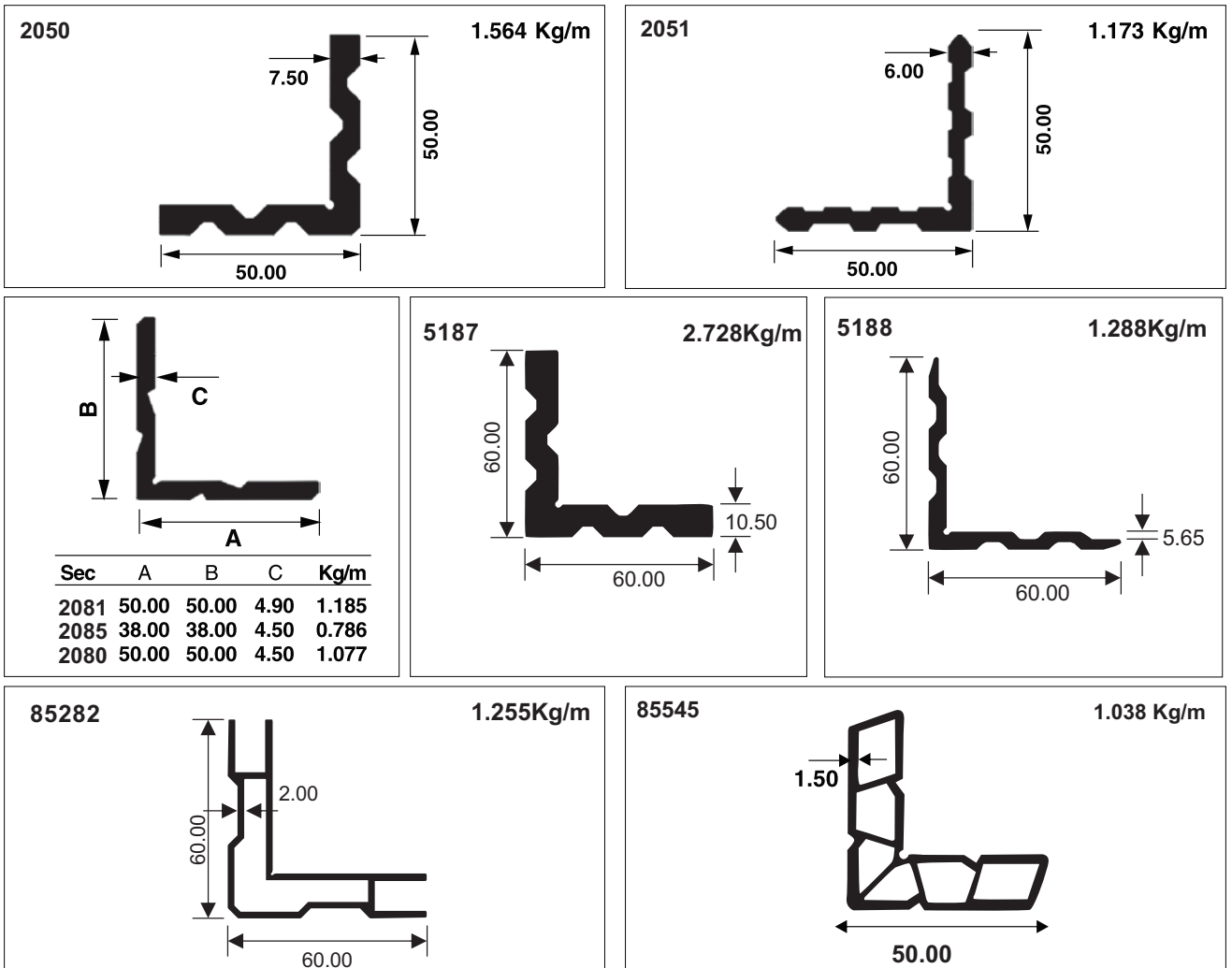




Casement Windows H Frame



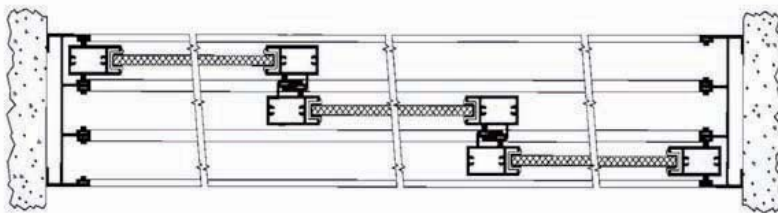
Casement Windows Crimping Angle



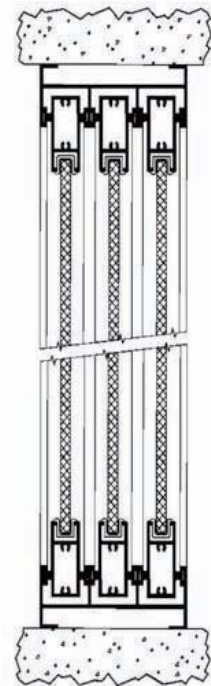
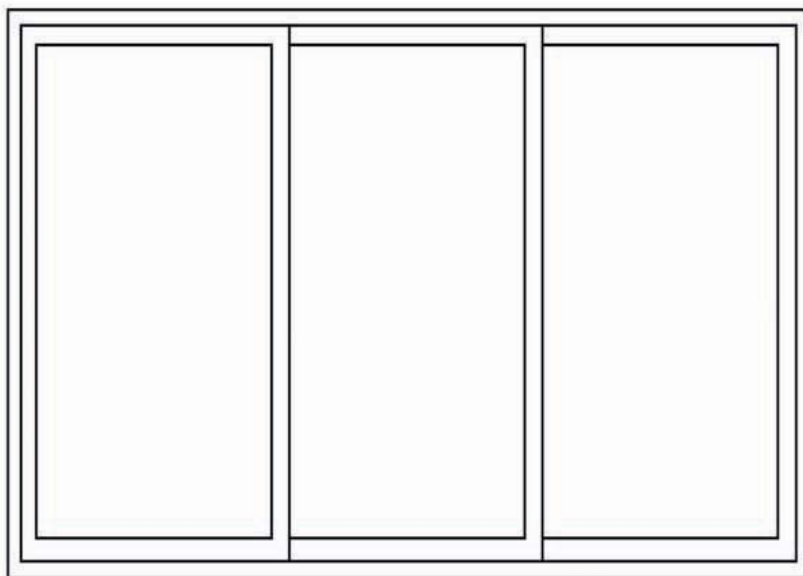


ASSEMBLY

Front View



Side View





Sliding Windows 12mm Series

Sec	A	B	C	Kg/m
4071	31.80	14.50	1.20	0.338
4306	31.80	14.50	1.00	0.287

Shutter Frame

Sec	A	B	C	Kg/m
4072	31.80	20.50	1.20	0.354
4305	31.80	20.50	1.00	0.298

Shutter Interlock

6546 **0.225 Kg/m**

2 Track Frame

Sec	A	B	C	Kg/m
4303	43.66	22.00	1.00	0.282
4154	43.66	22.00	1.20	0.331

3 Track Frame

2173 **0.137 Kg/m**

2 Track Frame



Sliding Windows 15mm Series

4171 **0.387 Kg/m**

Shutter Vertical

4166 **0.497 Kg/m**

3 Track Frame

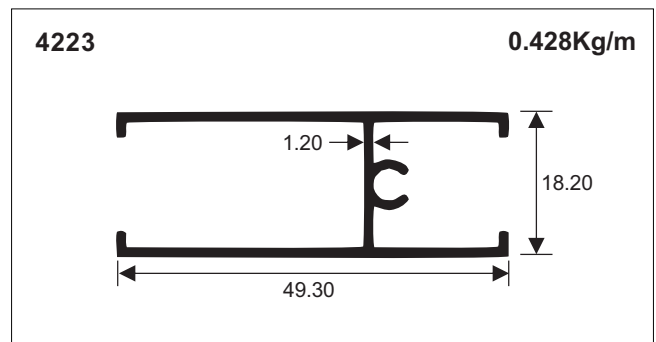
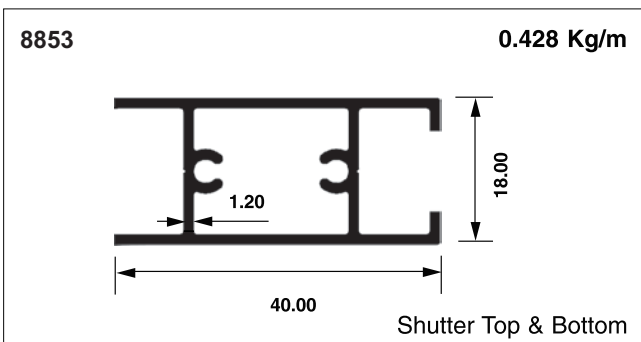
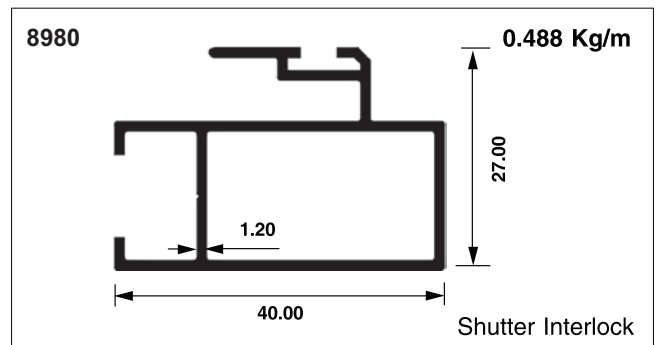
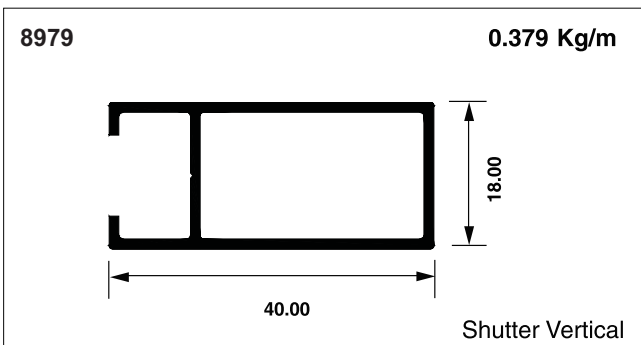
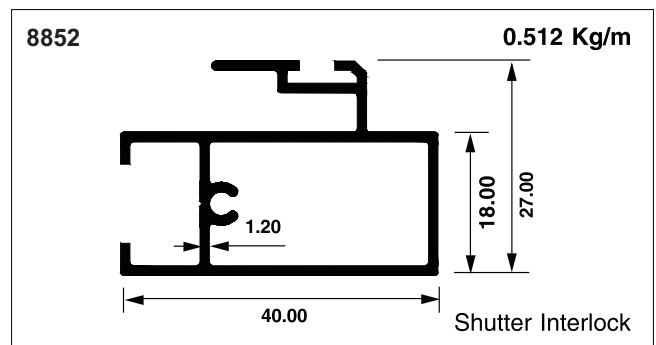
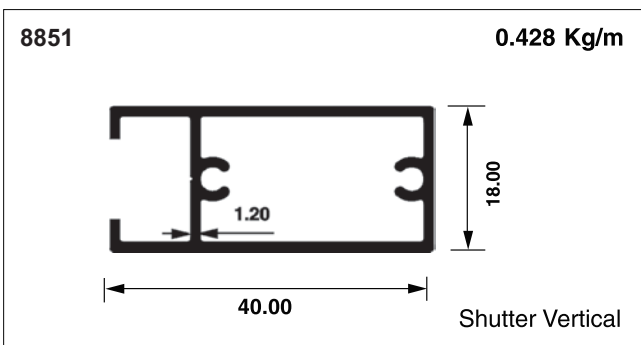
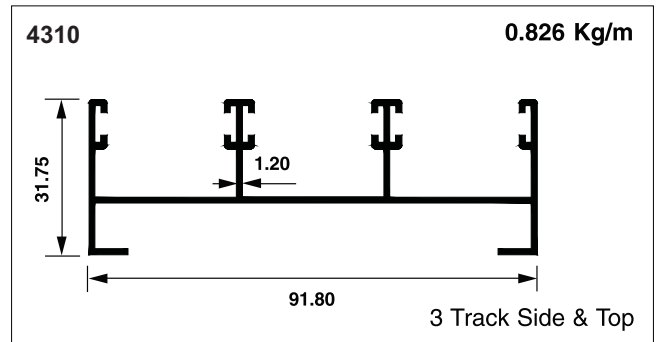
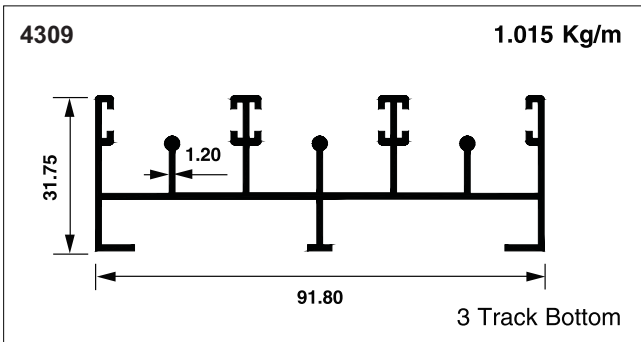
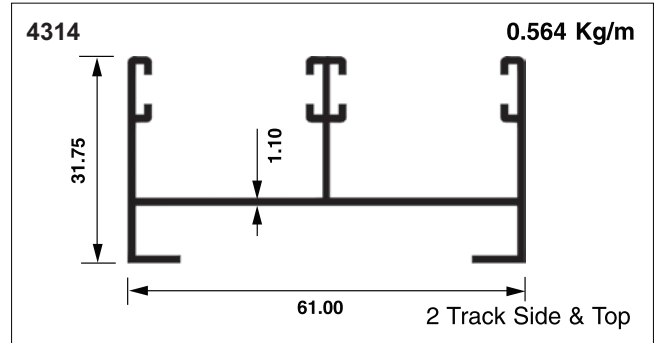
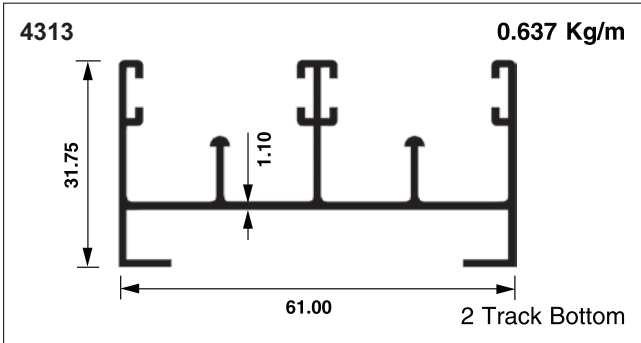
8830 **0.442 Kg/m**

Shutter Interlock

4083 **0.747Kg/m**

3 Track Frame

Sliding Windows 18mm Series

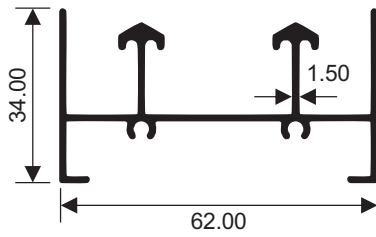




Sliding Windows 18mm Series

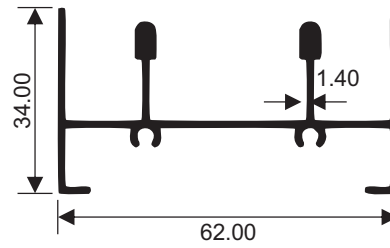
6471

0.834Kg/m



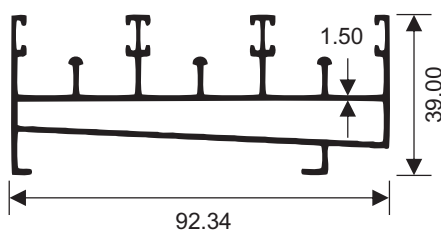
6473

0.811Kg/m



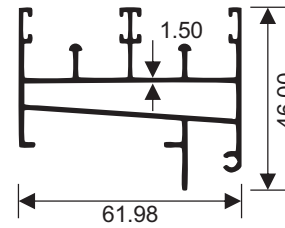
8932

1.505Kg/m



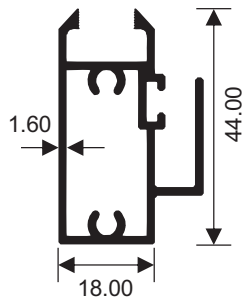
9141

1.20Kg/m



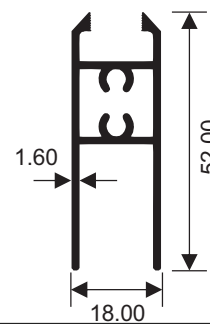
8929

0.778Kg/m



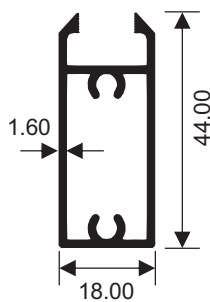
8931

0.675Kg/m



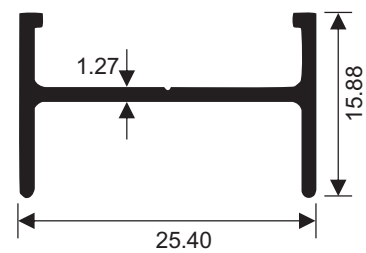
8930

0.606Kg/m



4030

0.192Kg/m



Sliding Windows 20mm Series



Sec	A	B	C	Kg/m
4095	61.98	29.70	1.60	0.875
4065	61.98	29.70	1.25	0.777

2 Track Bottom

Sec	A	B	C	Kg/m
4096	61.98	29.70	1.60	0.782
4066	61.98	29.70	1.25	0.685

2 Track Side & Top

Sec	A	B	C	Kg/m
4097	92.36	29.70	1.50	1.233
4087	92.36	29.70	1.20	1.032

3 Track Bottom

Sec	A	B	C	Kg/m
4098	92.36	29.70	1.50	1.070
4099	92.36	29.70	1.20	0.889

3 Track Side & Top

4121 **1.500 Kg/m**

4 Track Bottom

4120 **1.293 Kg/m**

4 Track Side & Top

3991 **1.168 Kg/m**

4 Track Bottom with Mesh Track

3990 **0.799 Kg/m**

Track Side with Mesh Track

9164 **1.098 Kg/m**

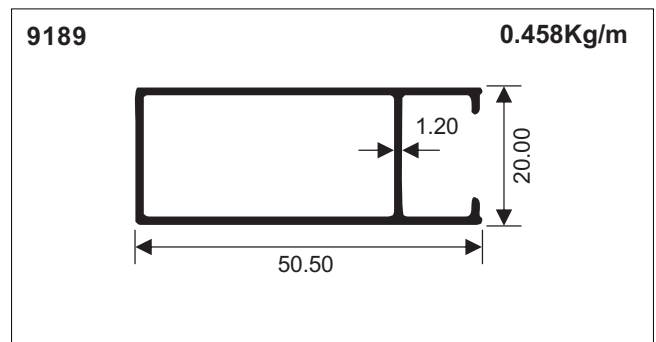
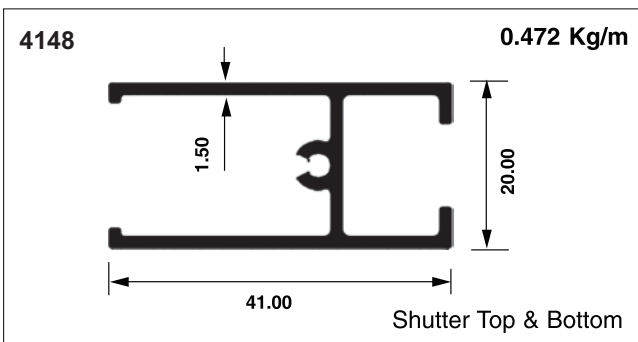
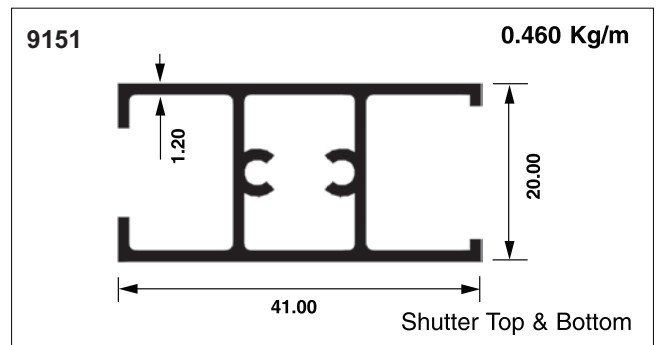
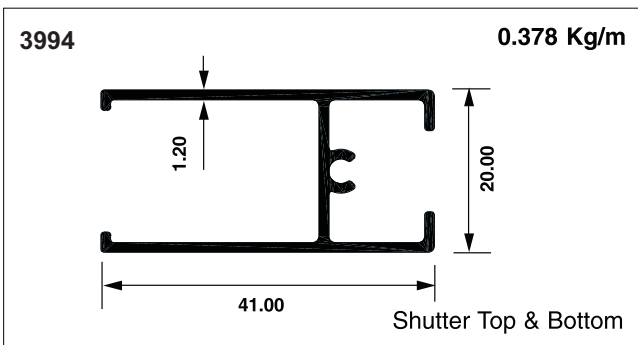
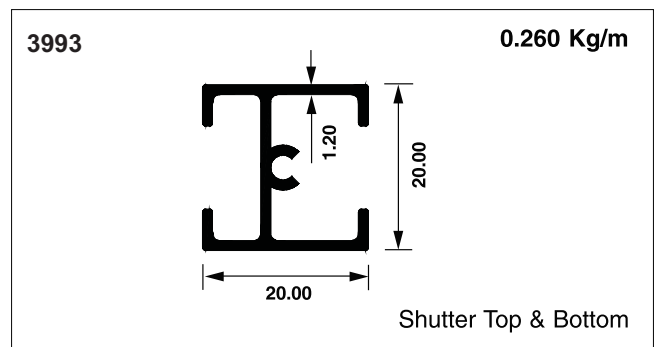
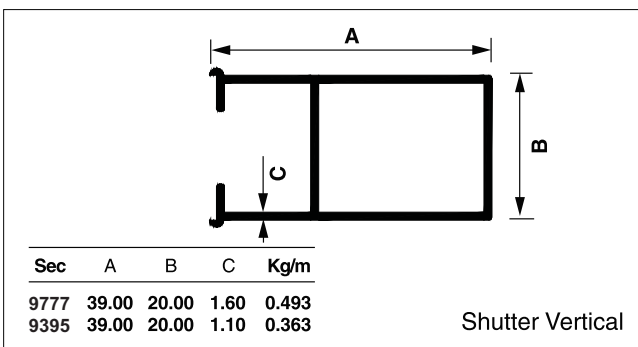
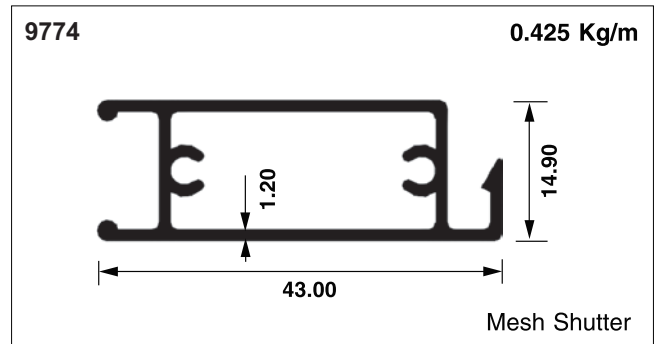
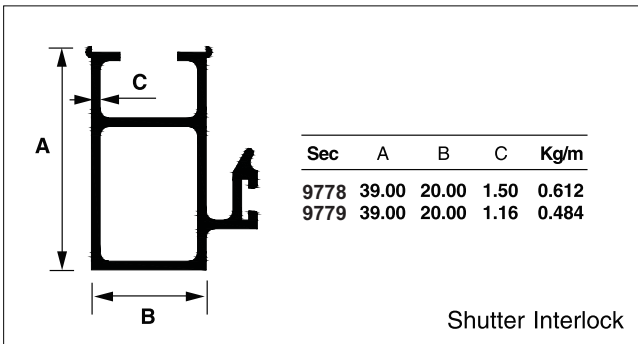
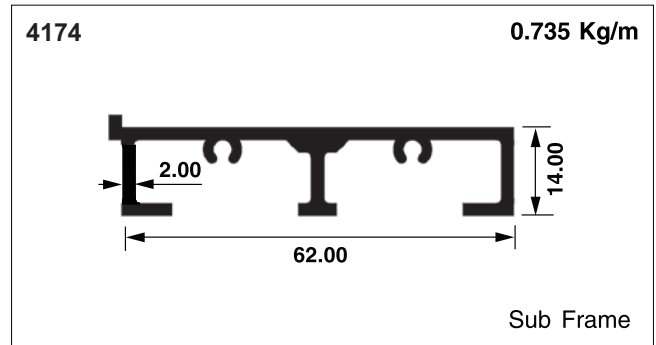
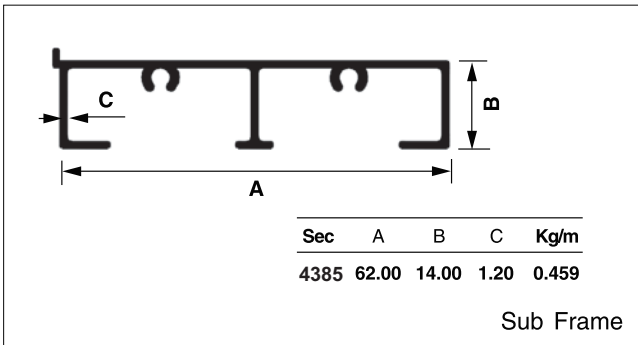
2 Track Bottom with Gutter

9140 **1.637 Kg/m**

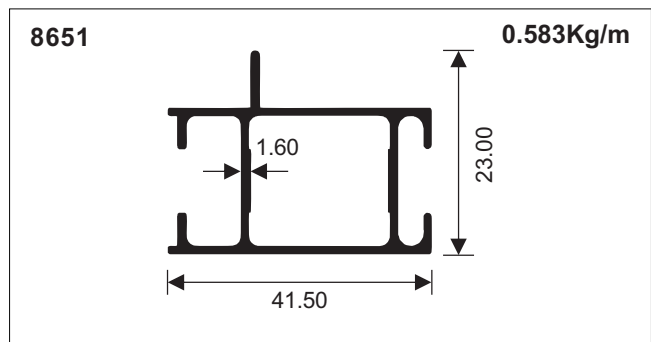
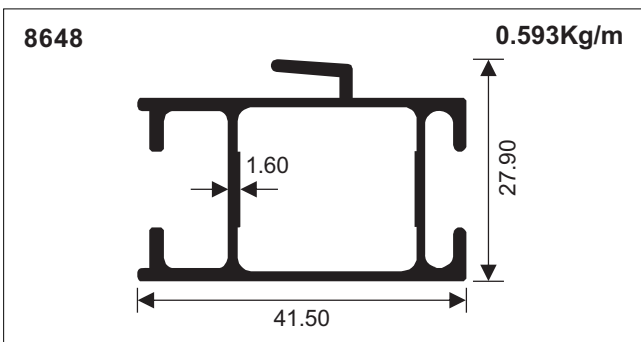
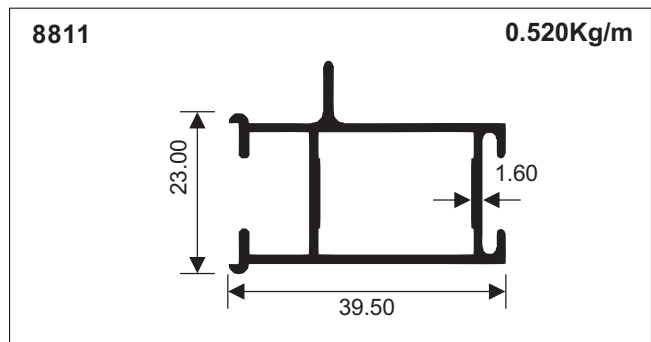
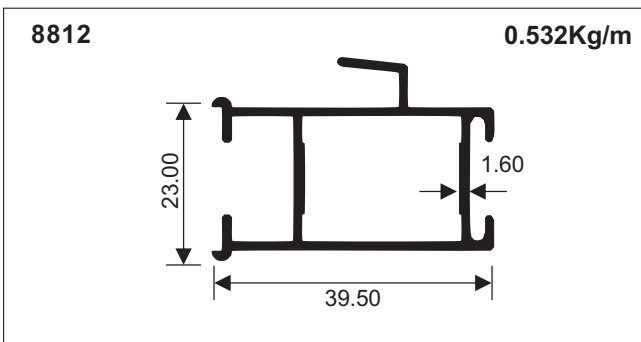
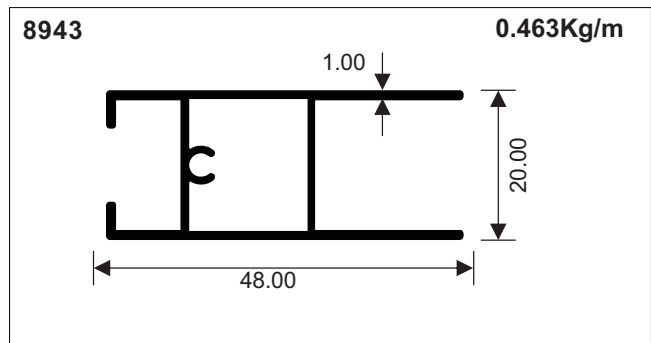
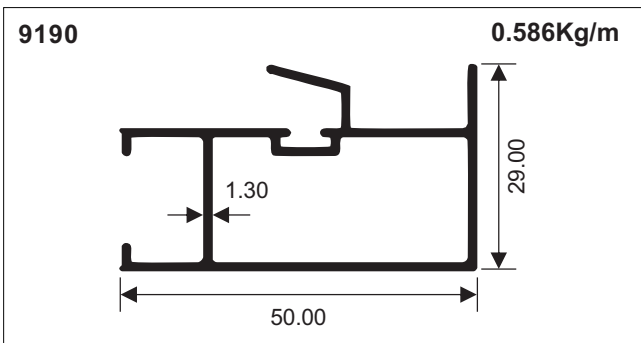
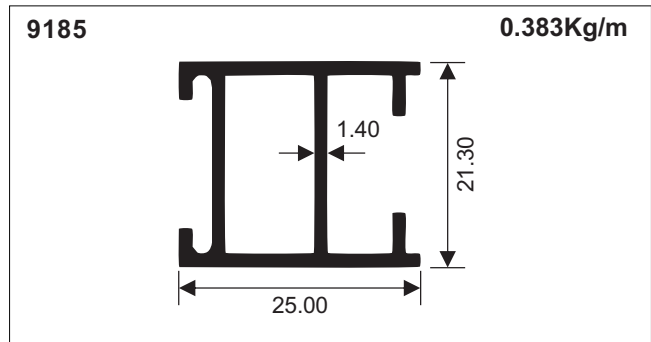
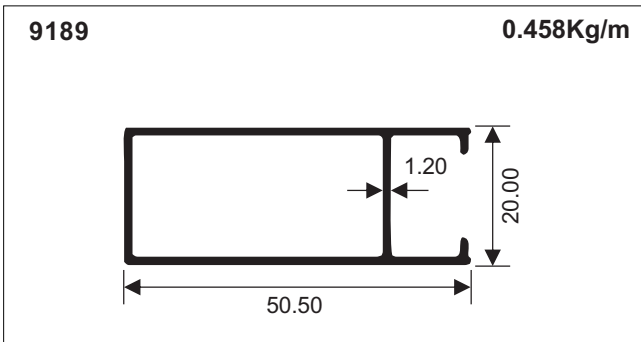
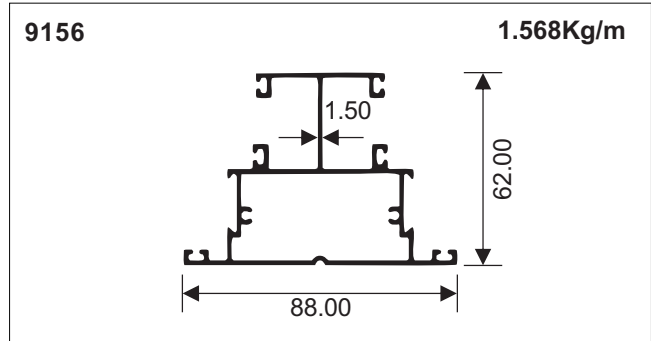
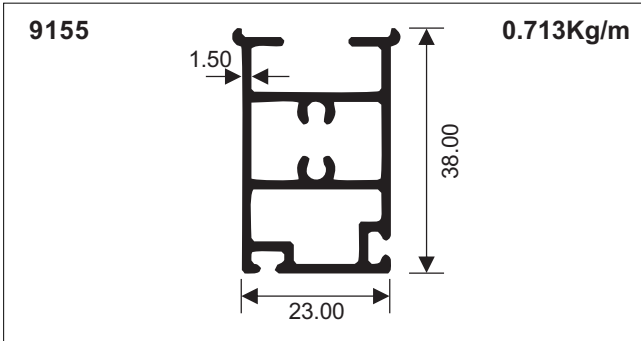
3 Track Bottom with Gutter & Sill



Sliding Windows 20mm Series



Sliding Windows 20mm Series

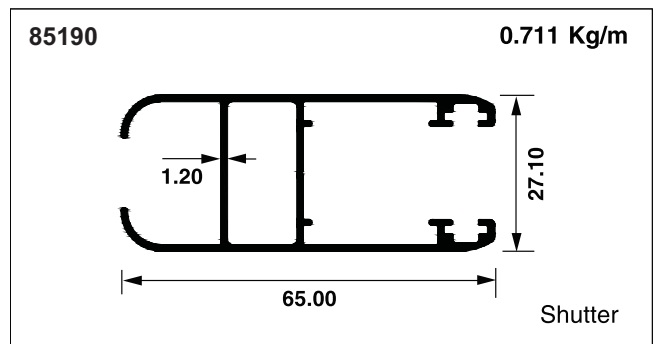
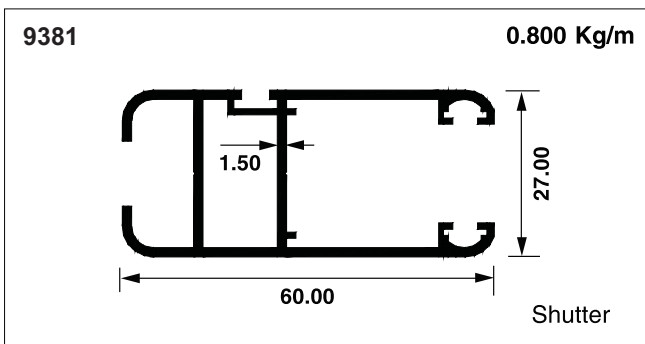
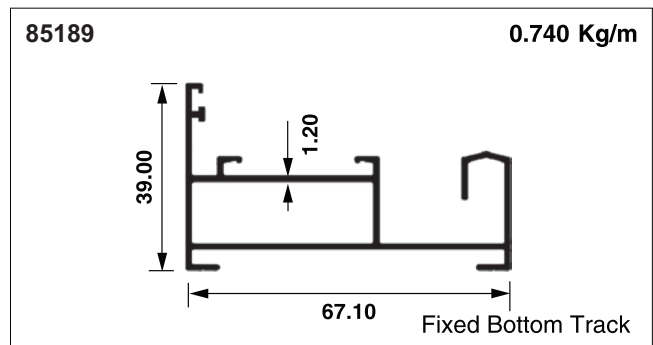
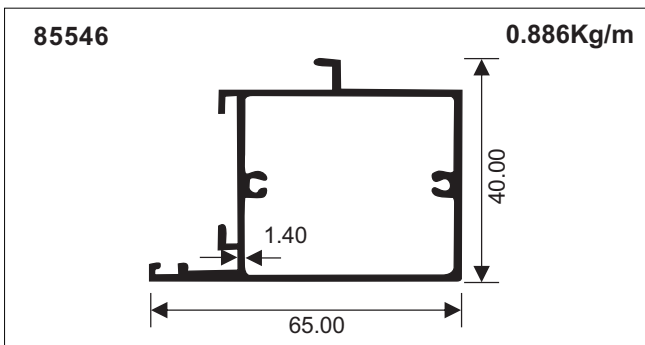
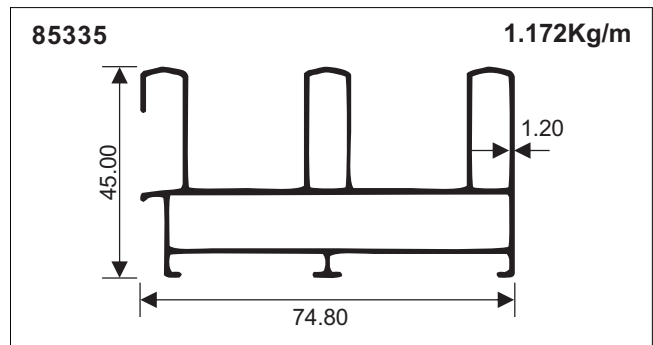
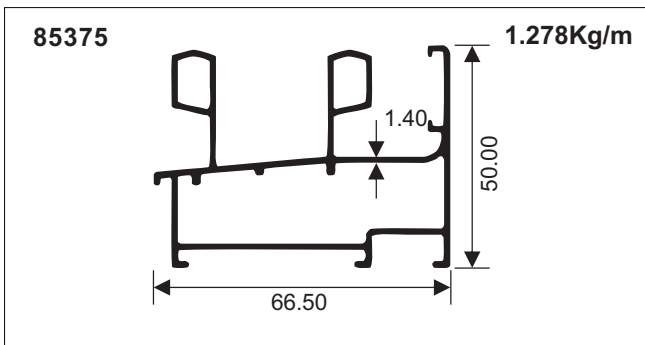
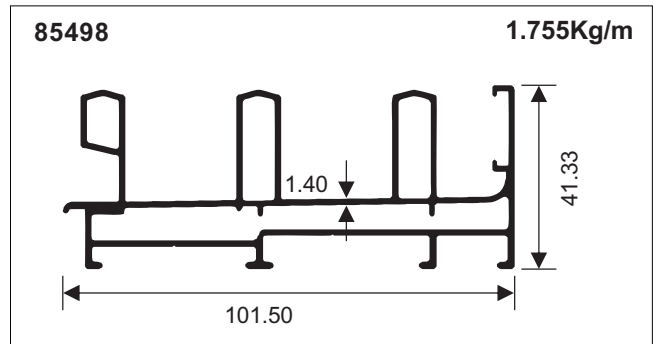
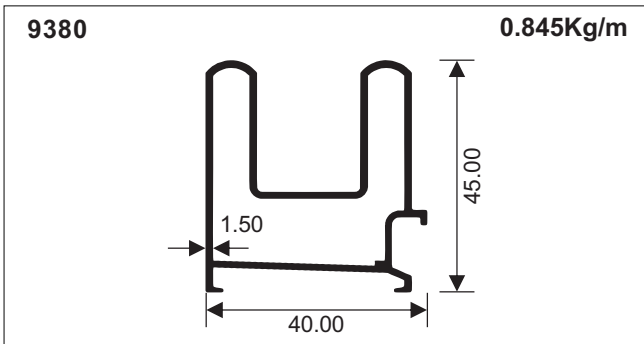
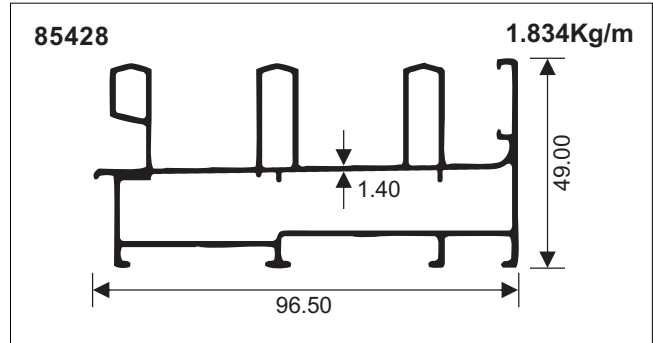
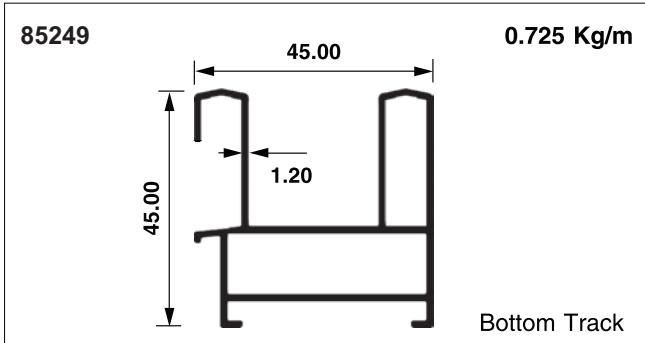




Sliding Doors 25mm Series

<p>4319 1.742 Kg/m</p> <p style="text-align: right;">2 Track Bottom</p>	<p>4318 1.356 Kg/m</p> <p style="text-align: right;">2 Track Side & Top</p>
<p>3961 2.494 Kg/m</p> <p style="text-align: right;">3 Track Bottom</p>	<p>3962 1.947 Kg/m</p> <p style="text-align: right;">3 Track Side & Top</p>
<p>9767 1.227 Kg/m</p> <p style="text-align: right;">Shutter Interlock</p>	<p>9766 1.006 Kg/m</p> <p style="text-align: right;">Shutter Vertical</p>
<p>3960 1.112 Kg/m</p> <p style="text-align: right;">Shutter Top & Bottom</p>	<p>9768 1.124 Kg/m</p> <p style="text-align: right;">Shutter Vertical</p>
<p> </p>	<p> </p>

Sliding Windows 27mm Series

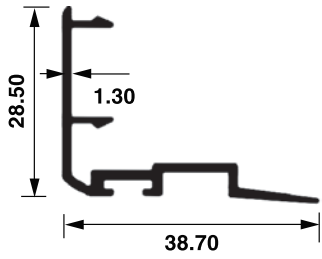




Sliding Windows 27mm Series

4177

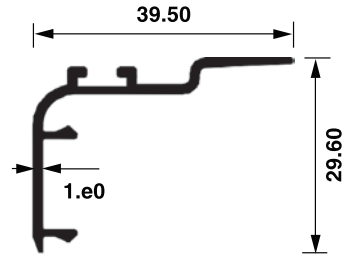
0.309 Kg/m



Adaptor

4694

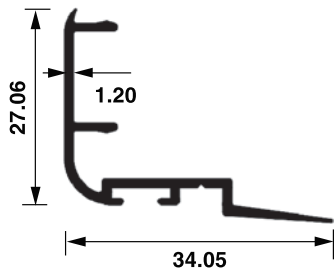
0.307 Kg/m



Adaptor

4163

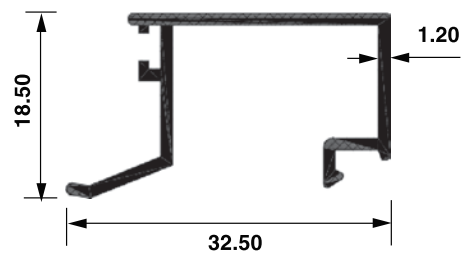
0.229 Kg/m



Adaptor

4404

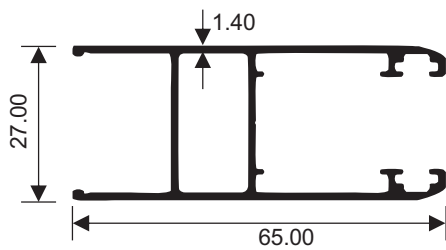
0.248 Kg/m



Clip

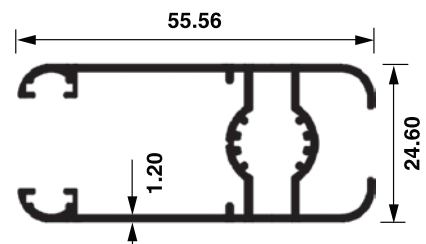
85529

0.774Kg/m



85141

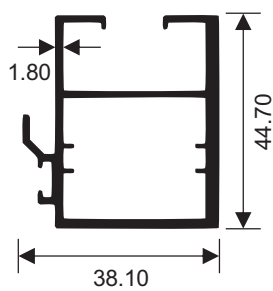
0.638 Kg/m



Shutter

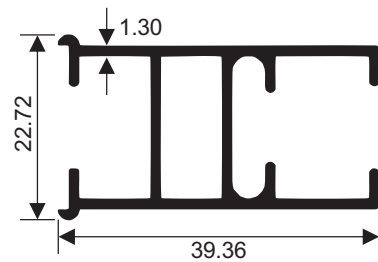
9108

1.04Kg/m

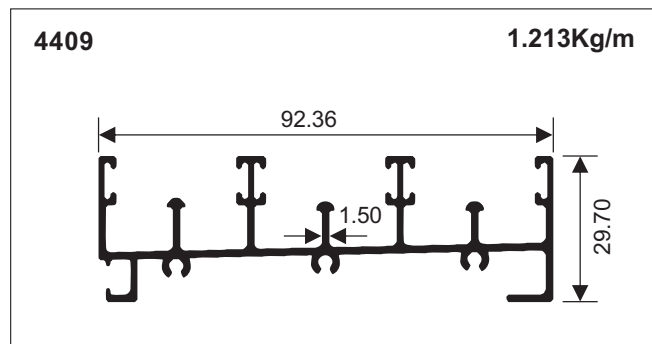
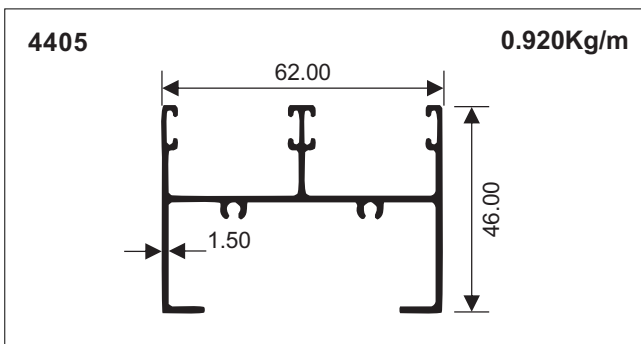
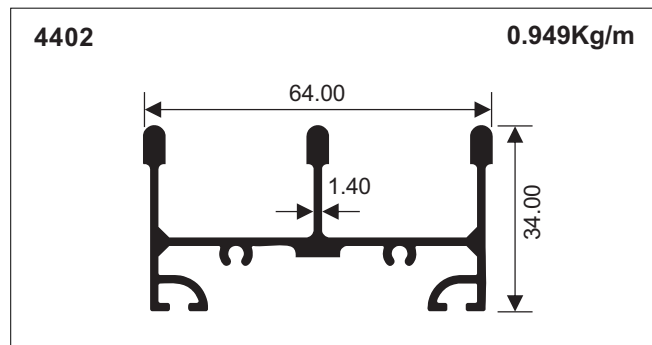
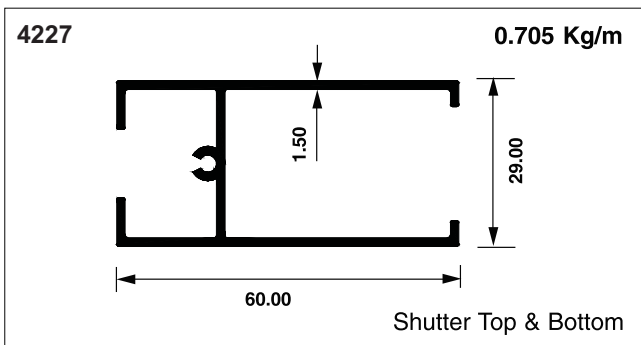
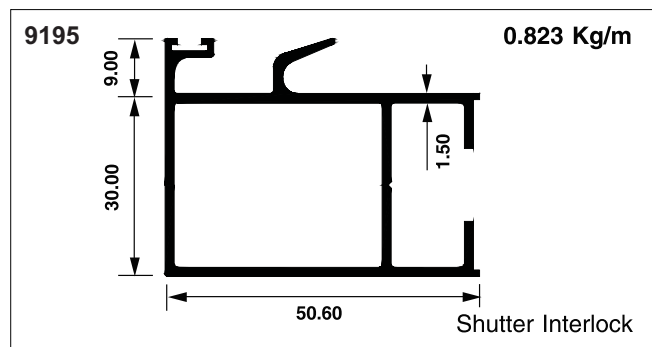
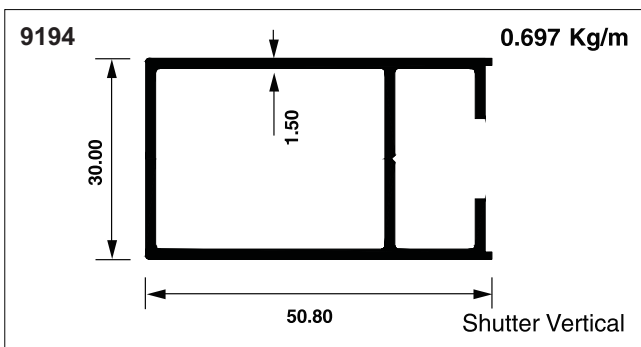
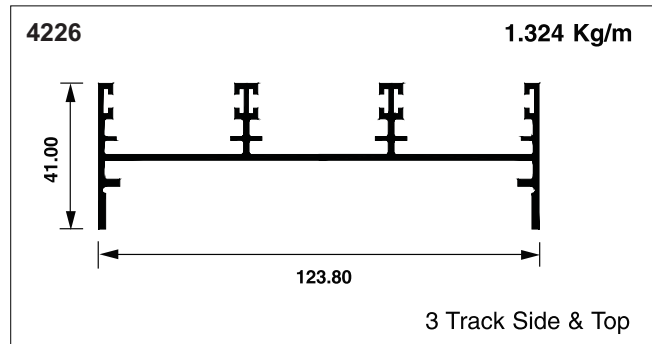
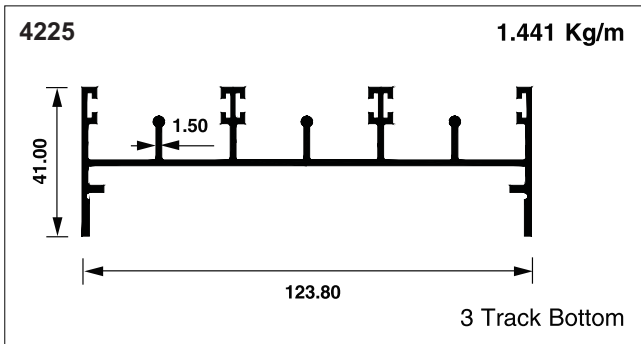
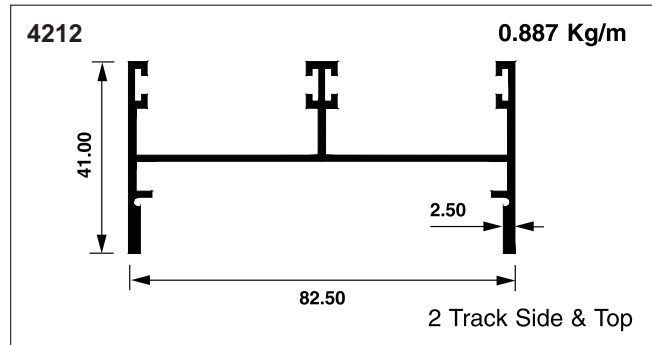
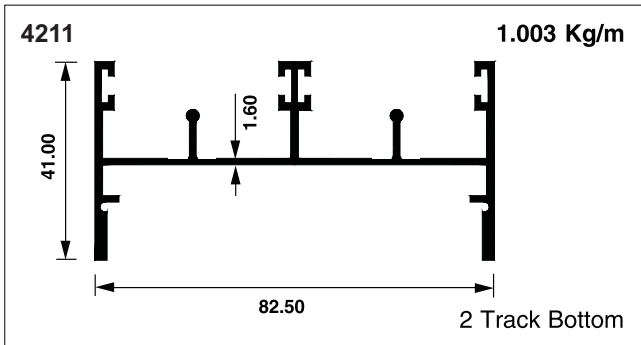


8894

0.488Kg/m

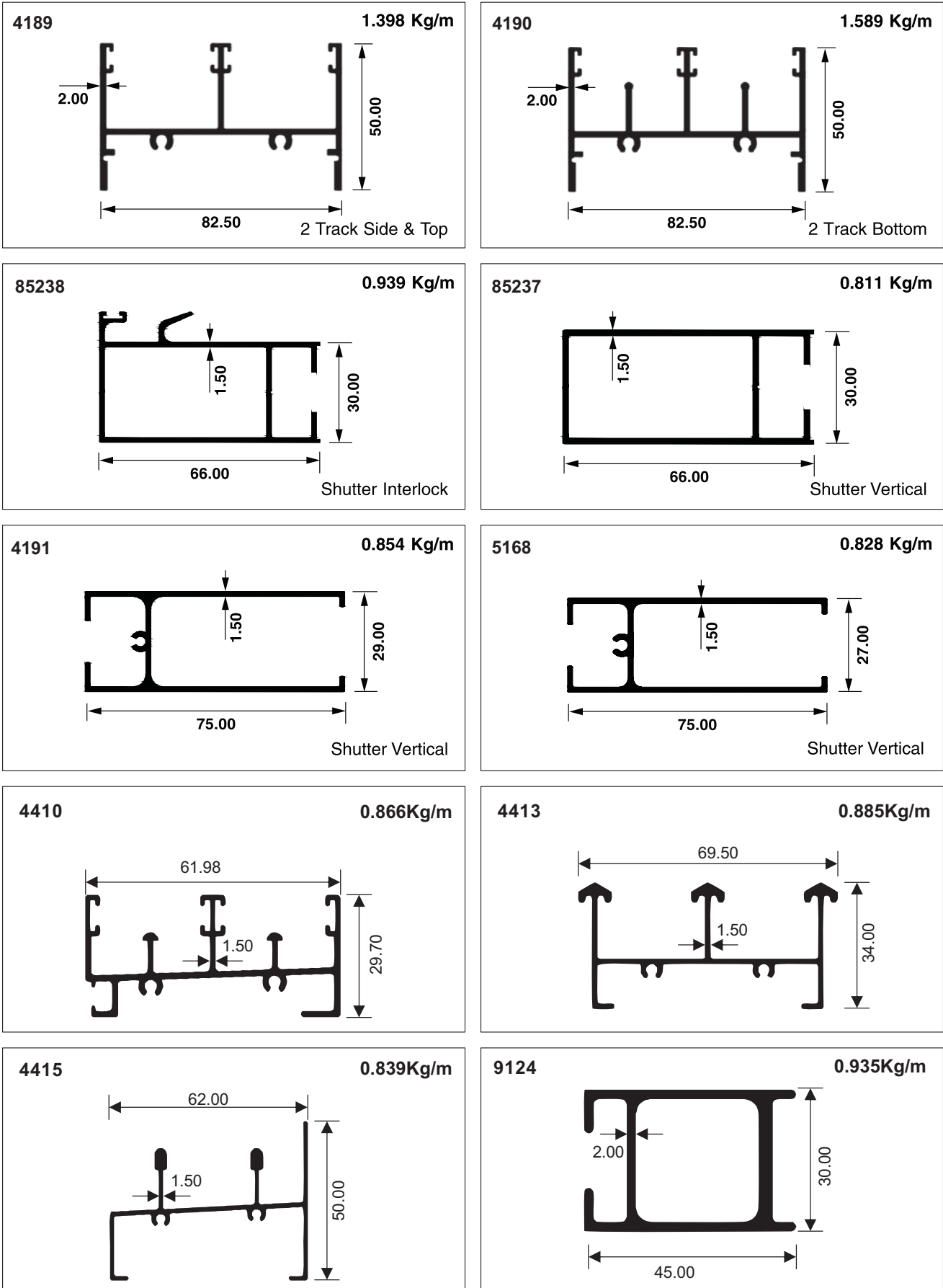


Sliding Windows 30mm Series

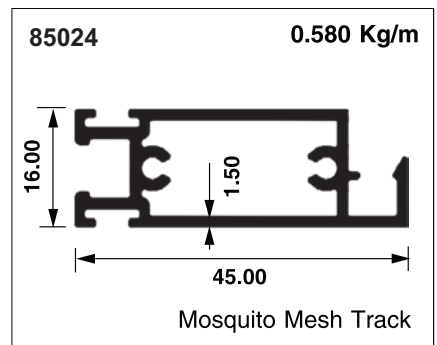
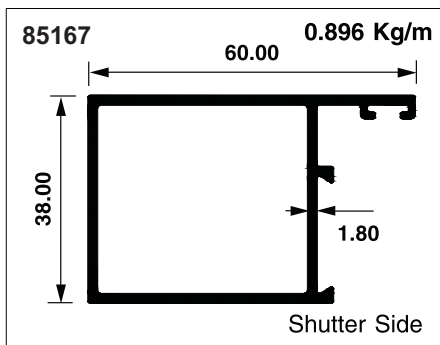
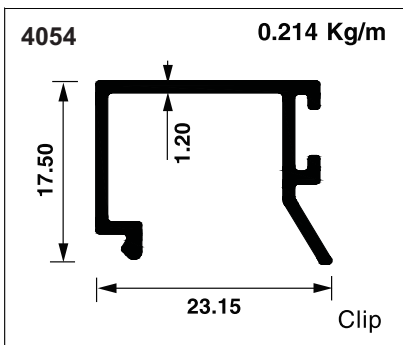
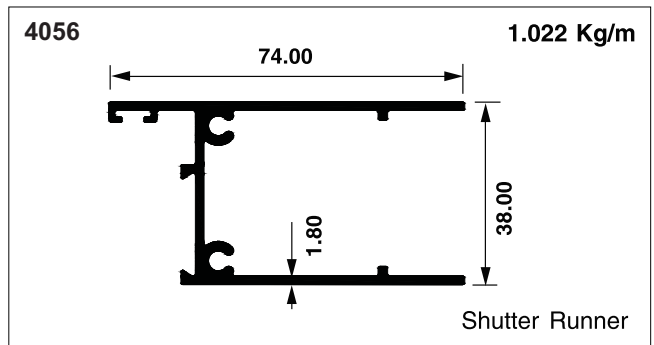
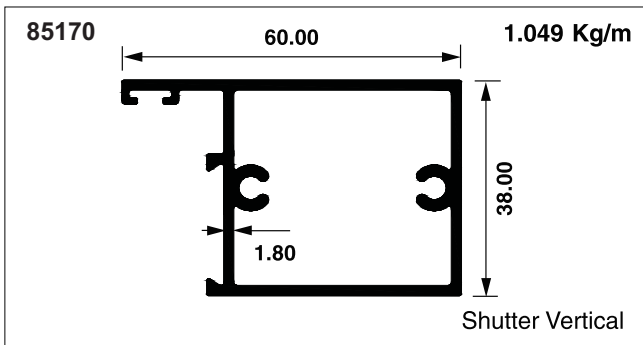
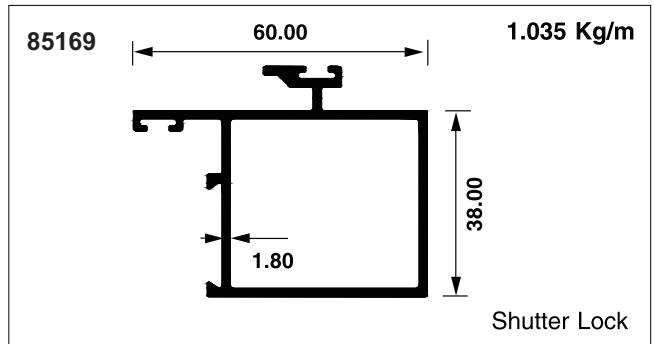
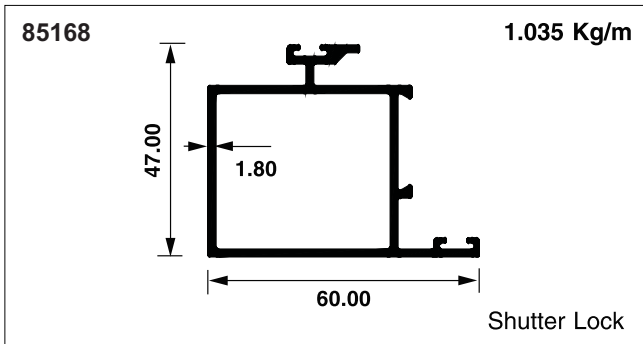
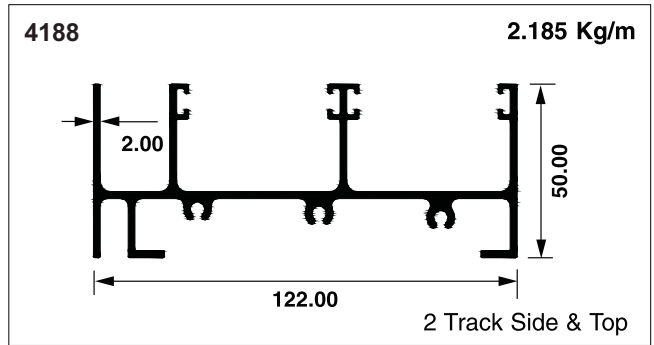
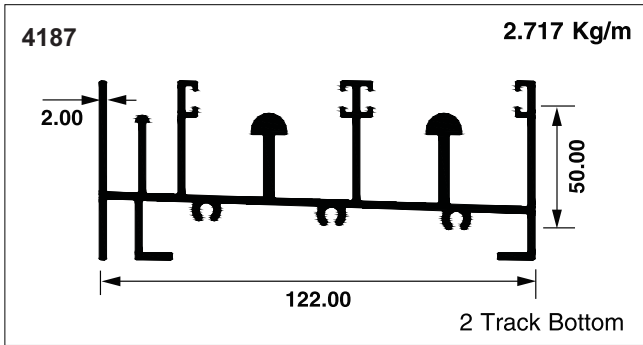
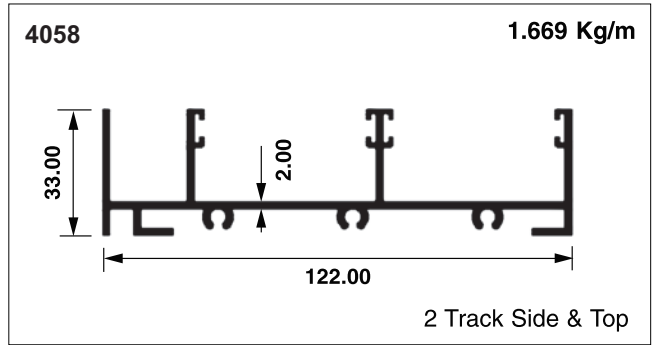
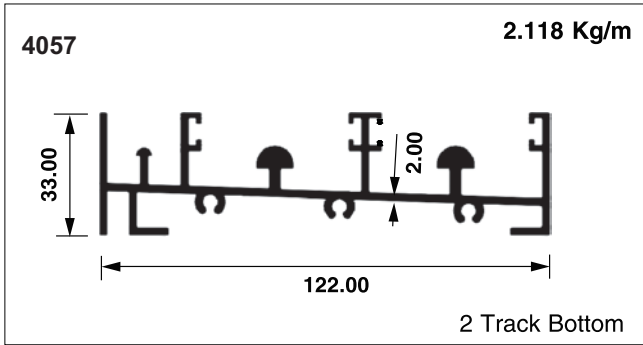




Sliding Windows 30mm Super Series



Sliding Windows 38mm Super Series

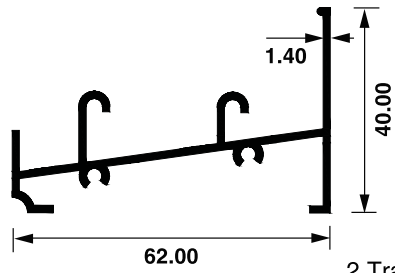




Sliding Windows Popular Series

4216

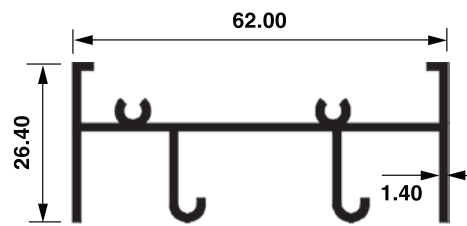
0.651 Kg/m



2 Track Bottom

4217

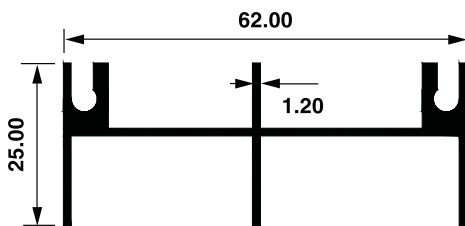
0.656 Kg/m



2 Track Top

4218

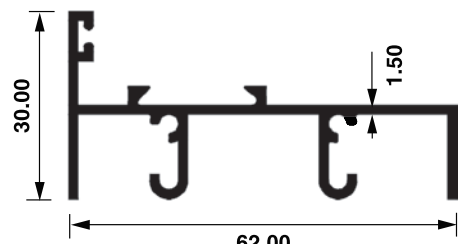
0.602 Kg/m



2 Track Side

4220

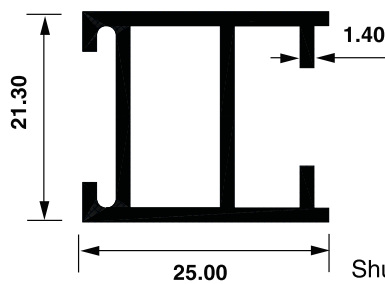
0.671 Kg/m



2 Track Top with Fixed Frame

9185

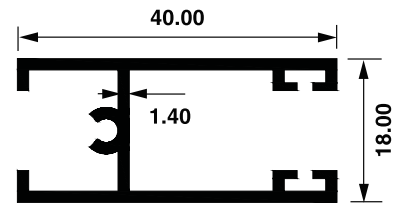
0.383 Kg/m



Shutter Vertical

4219

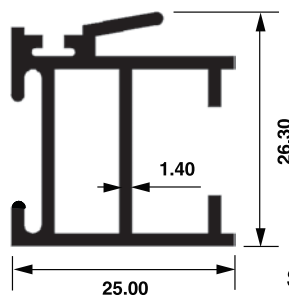
0.462 Kg/m



Shutter Top & Bottom

9186

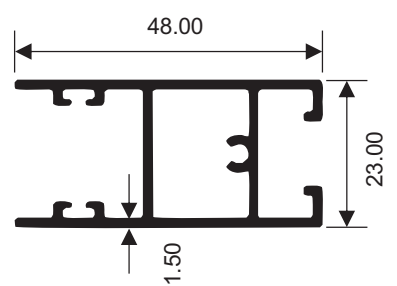
0.464 Kg/m



Shutter Interlock

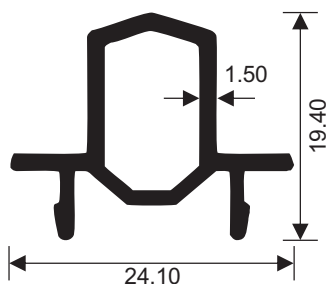
9131

0.689Kg/m



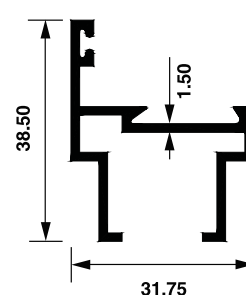
9181

0.264Kg/m



4127

0.496 Kg/m



Fixing Clip

Doors



Sec	A	B	C	Kg/m
9286	50.00	45.00	1.50	0.888
9219	50.00	45.00	2.50	1.292
9240	100.00	44.45	2.00	1.594
85461	100.00	46.00	4.70	3.504
9232	150.00	44.45	3.20	3.290

Door Middle

Sec	B	Kg/m
9211	16.00	3.727
9206	19.00	3.506

Twin Style Door Bottom

Sec	A	B	Kg/m
9203	50.00	2.50	1.197

Door Vertical Plain

Sec	A	B	Kg/m
9474	47.00	3.20	1.500
9258	50.00	1.80	0.947
9202	50.00	2.50	1.255
9209	54.00	2.40	1.270
9513	65.00	2.50	1.648
9241	85.00	2.00	1.412
85201	85.00	3.00	2.101

Door Vertical

Sec	A	B	C	Kg/m
9475	48.00	3.20	9.50	1.695
9291	50.00	1.20	9.50	0.644
9247	50.00	1.50	9.50	0.790
9201	50.00	2.50	9.50	1.296
85235	65.00	2.50	24.50	1.498
9290	100.00	1.30	25.00	1.066
9343	100.00	1.50	25.00	1.213
9246	100.00	1.85	25.00	1.504
9200	100.00	2.50	25.00	1.974
9628	101.00	3.20	38.50	2.420
9208	101.10	3.10	38.50	2.380
9804	150.00	3.00	27.00	3.562
9212	150.00	3.18	25.00	3.437

Door Bottom

Sec	A	B	C	Kg/m
9218	47.50	45.00	2.50	1.220
9259	50.00	44.50	1.80	0.928

Door Square Vertical

85243 **1.777 Kg/m**

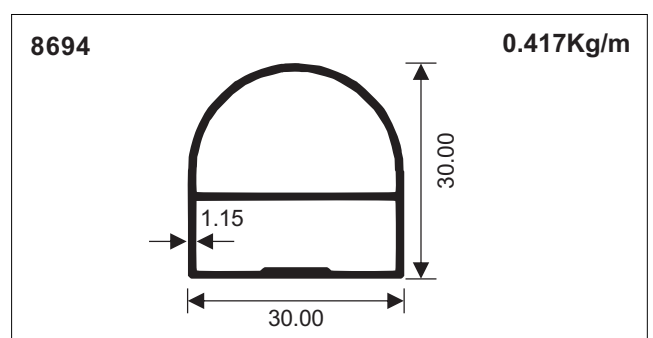
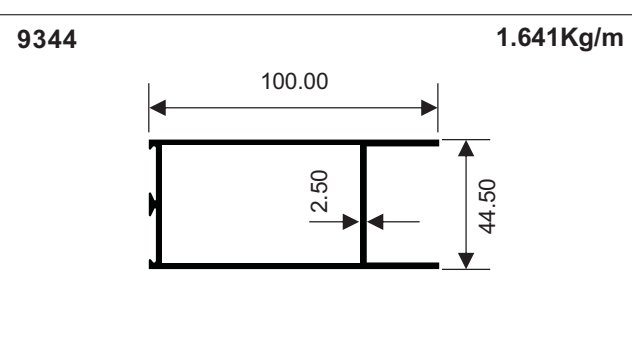
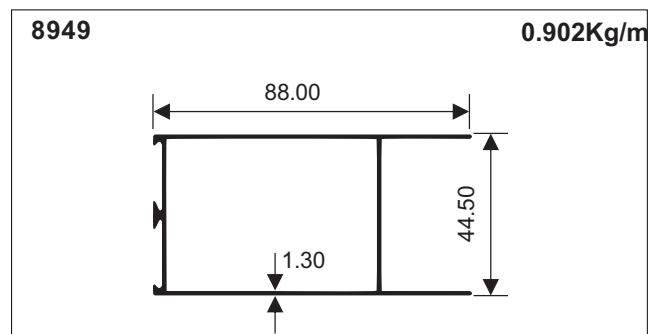
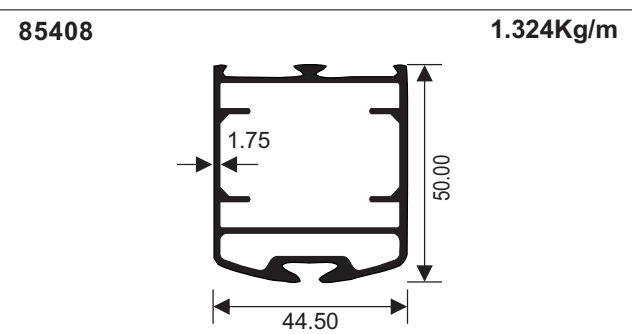
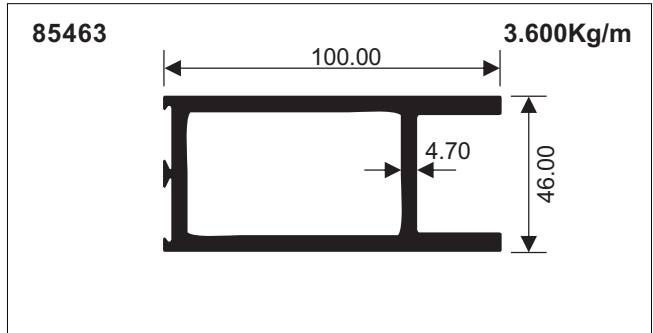
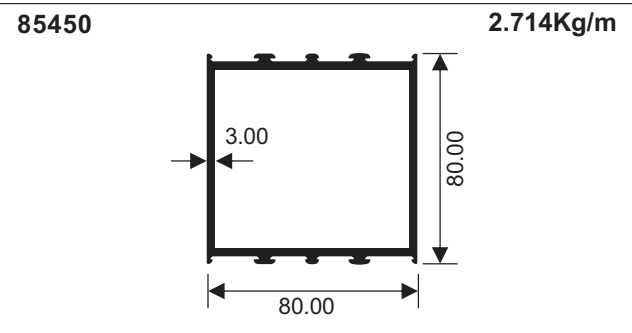
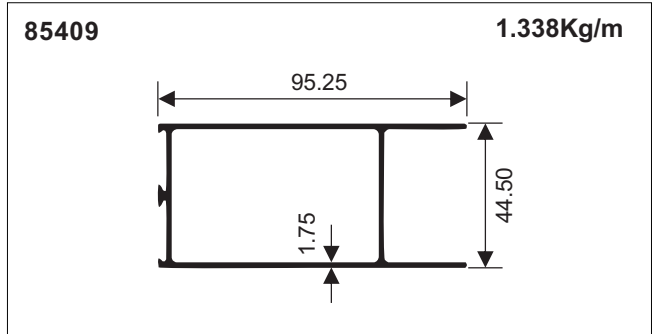
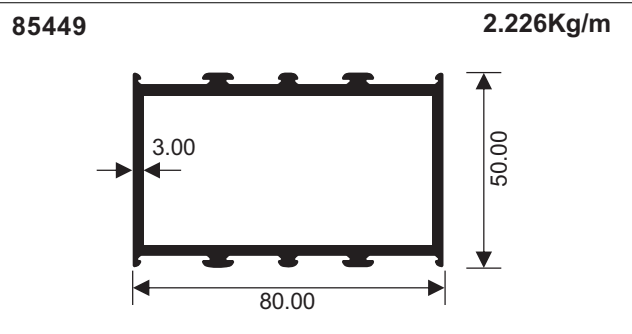
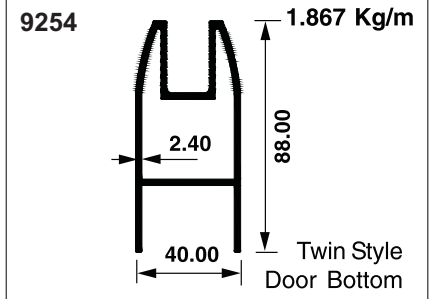
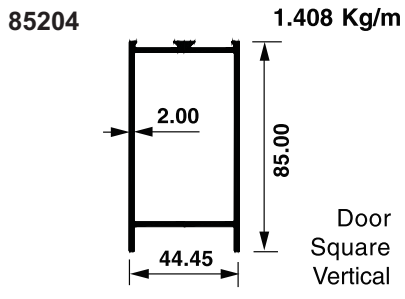
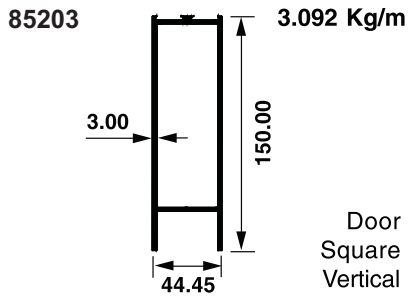
85462 **3.473Kg/m**

85202 **2.014 Kg/m**

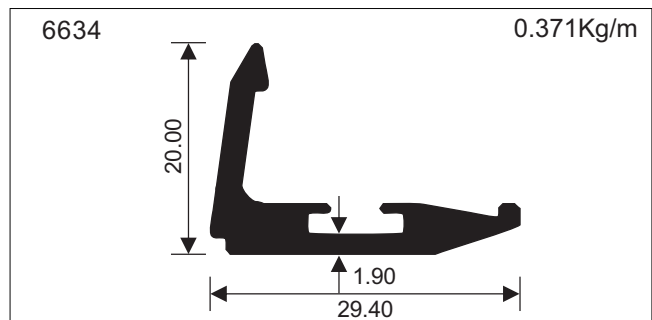
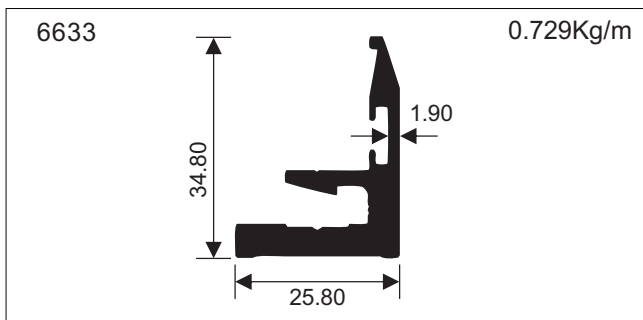
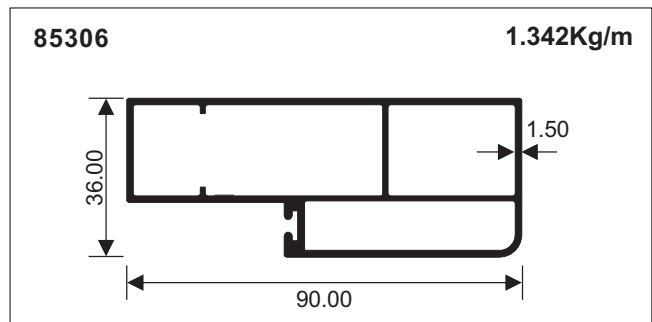
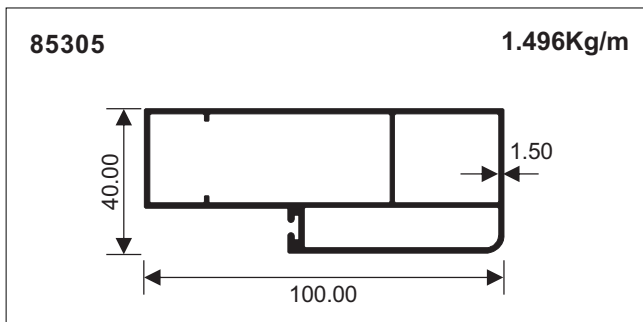
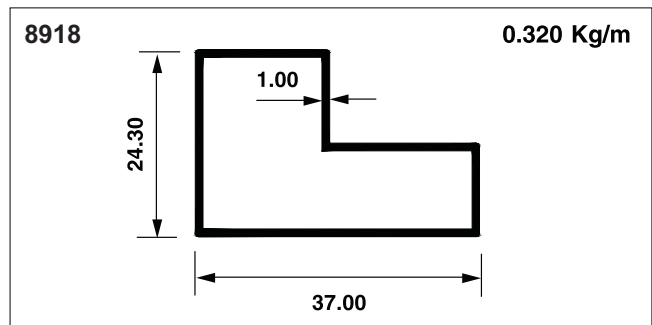
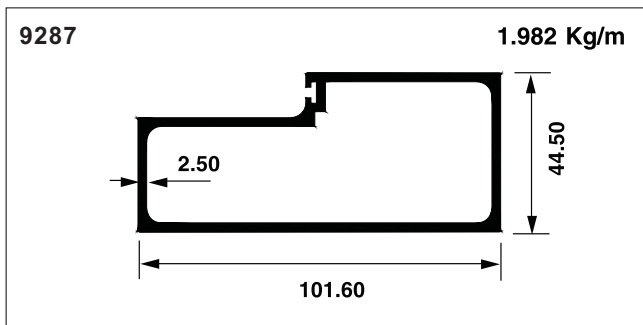
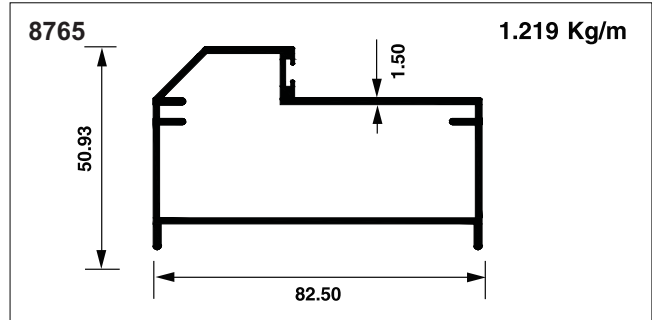
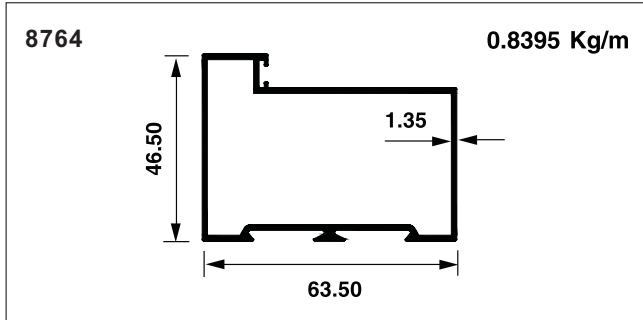
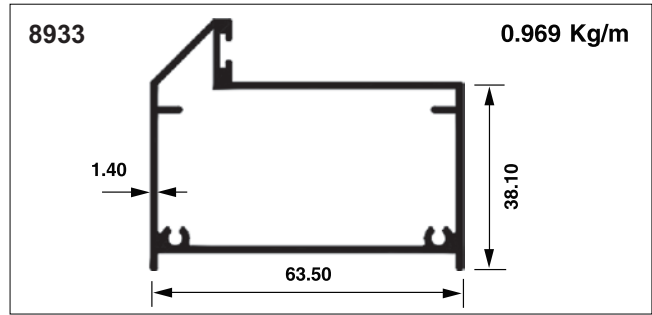
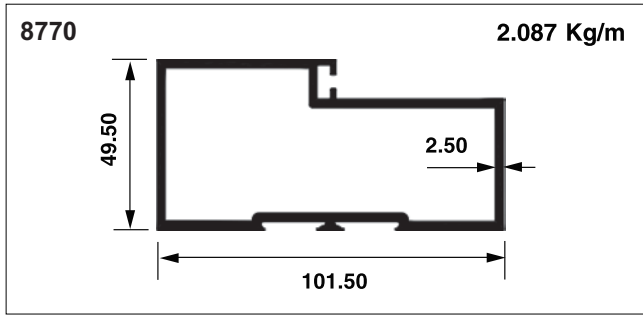
Door Square Vertical



Doors



Door Steps

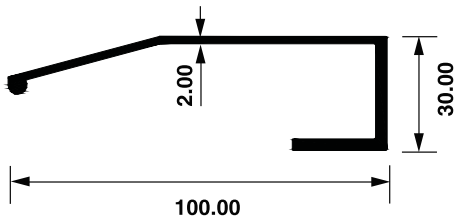




Handles

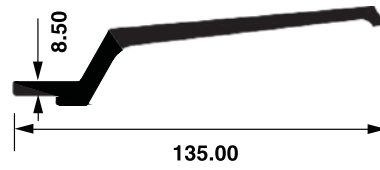
5140

0.988 Kg/m



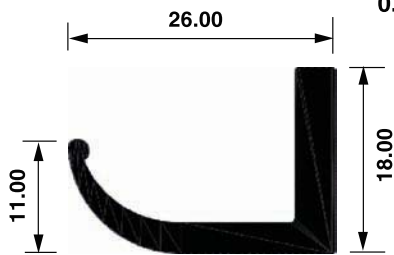
5145

2.229 Kg/m



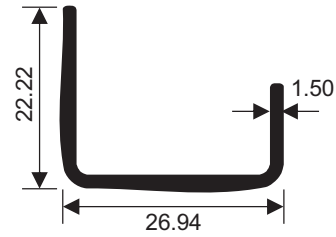
4638

0.381 Kg/m



6472

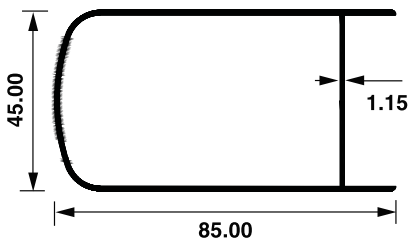
0.229Kg/m



Hand Rails

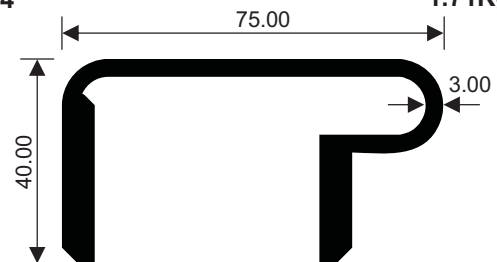
8696

0.756 Kg/m



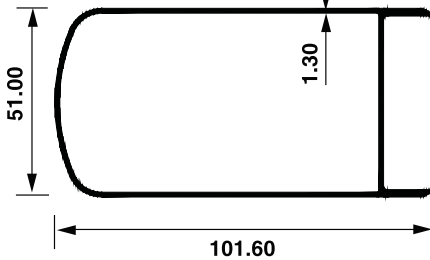
5144

1.71Kg/m



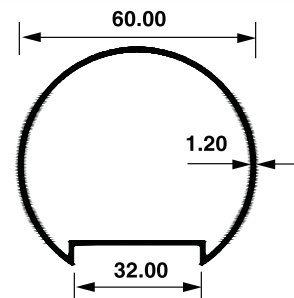
9378

1.050 Kg/m



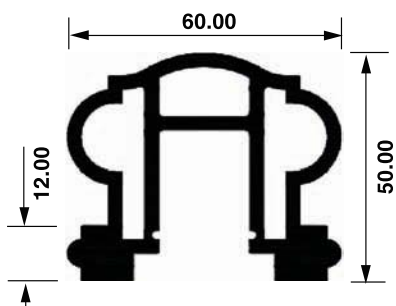
8755

0.623 Kg/m



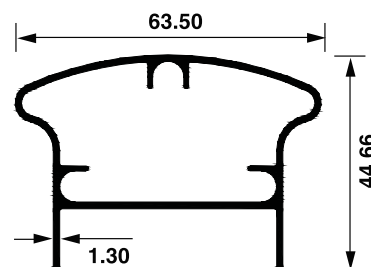
8994

2.593 Kg/m

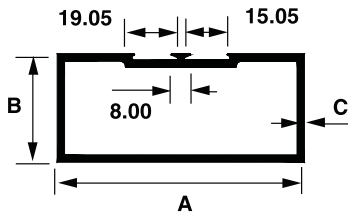


8780

0.776 Kg/m

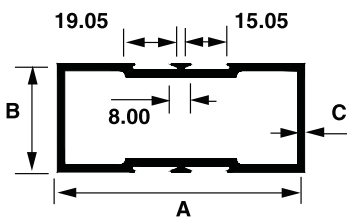


Partitions



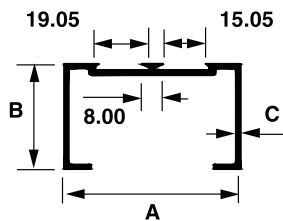
Sec	A	B	C	Kg/m
8945	50.20	24.80	1.00	0.441
9235	50.20	24.80	1.50	0.667
8849	50.80	24.80	1.20	0.520
9214	50.80	25.40	1.80	0.789
9245	61.90	36.50	1.20	0.698
9238	62.50	37.10	1.50	0.855
8903	63.50	38.10	1.15	0.672
8890	63.50	38.10	1.28	0.740
9223	63.50	38.10	2.00	1.126
9210	63.50	38.10	2.50	1.378
9294	63.50	38.10	1.80	1.014
9231	88.90	31.75	2.50	1.630
9282	101.50	44.45	1.50	1.234
9248	101.50	44.45	2.00	1.609
9221	101.50	44.45	2.50	1.978
9205	101.50	44.45	3.00	2.342
9348	101.50	44.45	2.20	1.753

Single Partition



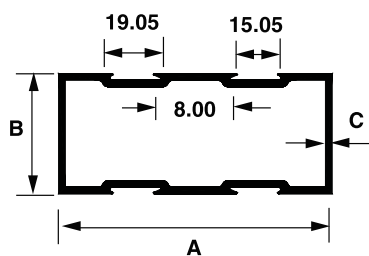
Sec	A	B	C	Kg/m
8844	50.20	24.80	1.00	0.489
8848	50.20	24.80	1.20	0.575
9236	50.20	24.80	1.50	0.748
9215	50.80	25.40	1.80	0.870
9244	61.90	36.50	1.20	0.764
9237	62.50	37.10	1.50	0.925
8904	63.50	38.10	1.15	0.724
8889	63.50	38.10	1.28	0.793
9295	63.50	38.10	1.80	1.076
9222	63.50	38.10	2.00	1.206
9207	63.50	38.10	2.50	1.424
9230	88.90	31.75	2.50	1.679
9283	101.50	44.45	1.50	1.306
9249	101.50	44.45	2.00	1.685
9220	101.50	44.45	2.50	2.005
9204	101.50	44.45	3.00	2.420
9347	101.50	44.45	2.20	1.824

Double Partition



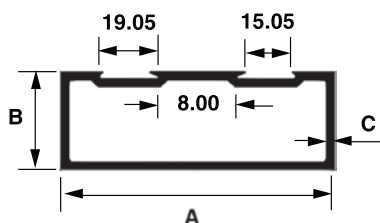
Sec	A	B	C	Kg/m
4291	50.80	25.40	1.20	0.448
4047	63.50	38.10	2.00	0.892
4679	50.00	25.00	1.50	0.517

Split Partition



Sec	A	B	C	Kg/m
9228	101.50	44.45	2.50	2.030

Double Glazing Double Partition



Sec	A	B	C	Kg/m
9229	101.50	44.45	2.50	2.001

Double Glazing Single Partition



Partitions

Sec	A	B	C	D	Kg/m
9548	101.60	44.45	3.18	12.700	2.508

9243 **0.952 Kg/m**

Bay Window Partition

9116 **1.092 Kg/m**

9117 **1.218 Kg/m**

9312 **1.472 Kg/m**

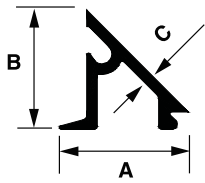
Corner Partition

4153 **0.212Kg/m**

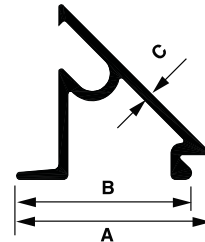
8850 **1.086 Kg/m**

3493 **0.218 Kg/m**

Clips



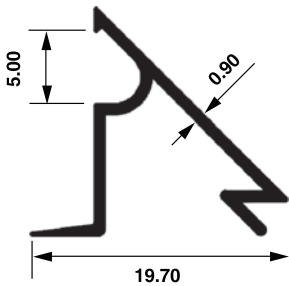
Sec	A	B	C	Kg/m
3979	17.15	17.27	1.50	0.176



Sec	A	B	C	Kg/m
4398	19.00	17.00	0.90	0.117
4660	19.70	17.80	1.30	0.167

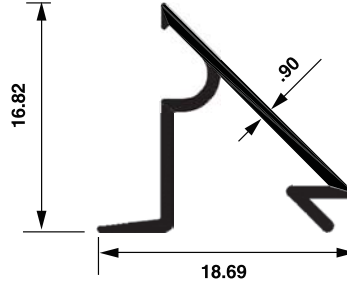
4706

0.111 Kg/m



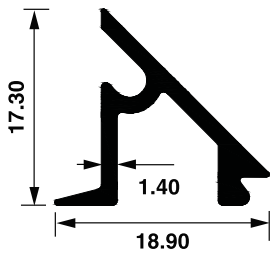
4682

0.106 Kg/m



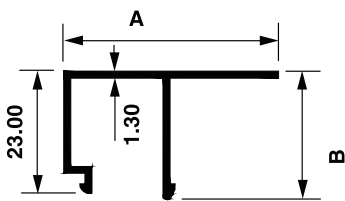
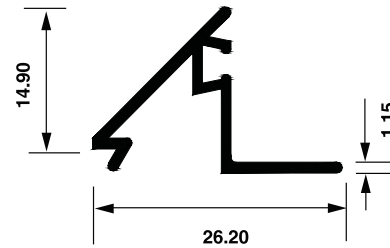
4611

0.170 Kg/m



4299

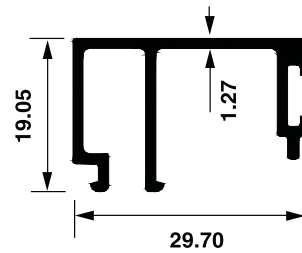
0.170 Kg/m



Sec	A	B	Kg/m
4081	35.00	23.00	0.292
4013	40.50	24.25	0.319

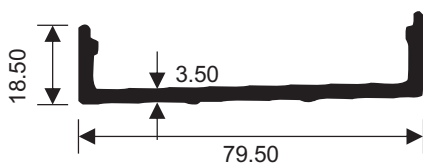
3840

0.313 Kg/m



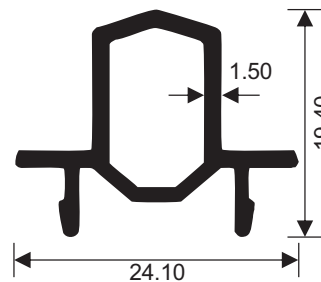
7994

1.048Kg/m



9181

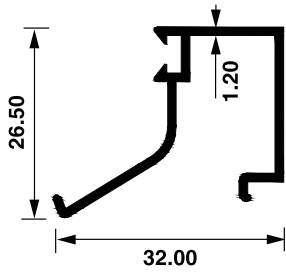
0.264Kg/m





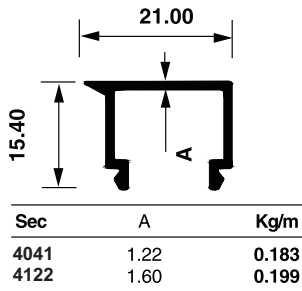
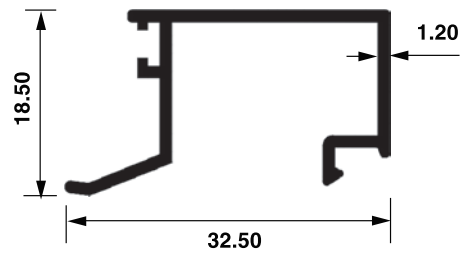
4368

0.280 Kg/m



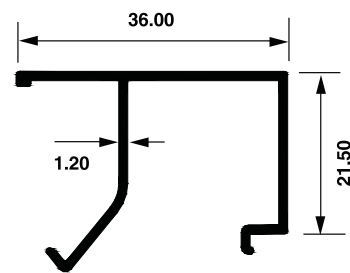
4404

0.248 Kg/m



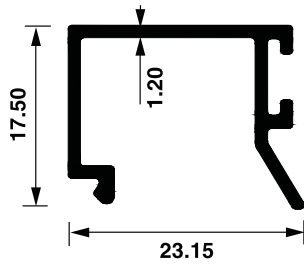
4367

0.310 Kg/m



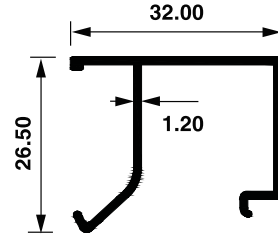
4054

0.214 Kg/m



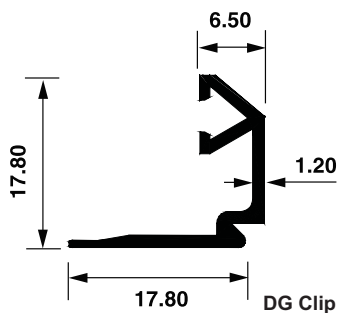
4360

0.299 Kg/m



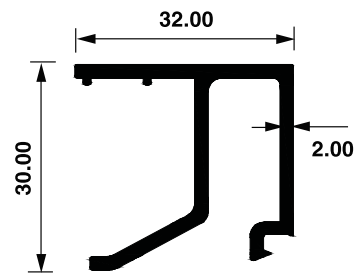
4143

0.153 Kg/m



4363

0.550 Kg/m



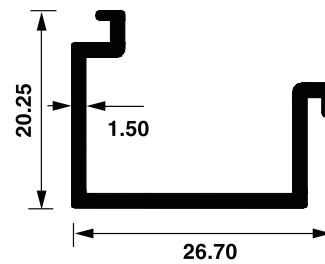
4427

0.199 Kg/m



3476

0.253 Kg/m



Clips



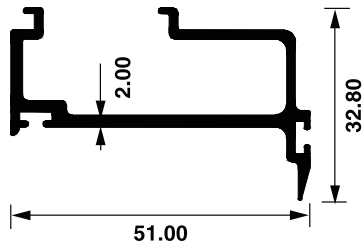
<p>4052 0.173 Kg/m</p>	<p>4370 0.191 Kg/m</p>
<p>4661 0.265 Kg/m</p>	<p>4026 0.316 Kg/m</p>
<p>3480 1.085 Kg/m</p>	<p>3479 0.665 Kg/m</p>
<p>4110 1.111 Kg/m</p>	<p>3489 1.847 Kg/m</p>
<p>3490 1.414 Kg/m</p>	<p>3491 1.562 Kg/m</p>



Clips

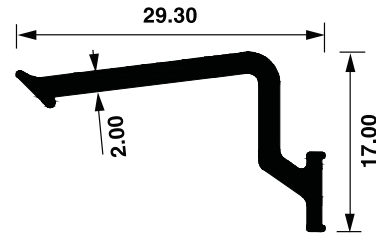
4179

0.642 Kg/m



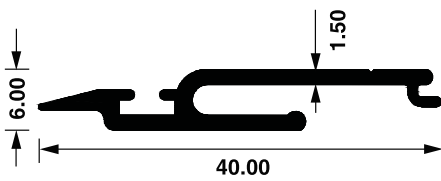
4182

0.228 Kg/m



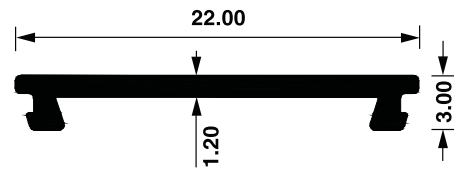
4183

0.248 Kg/m



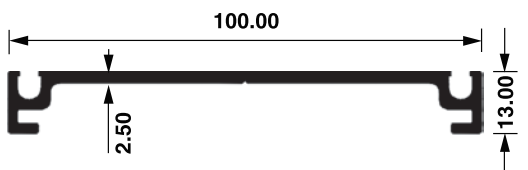
4210

0.086 Kg/m



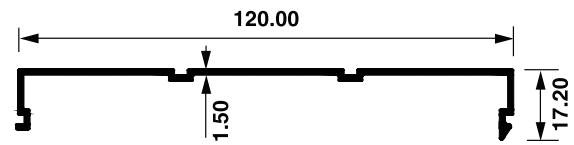
4205

0.901 Kg/m



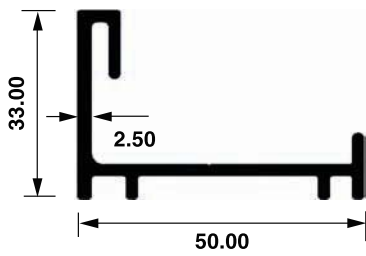
6738

0.656 Kg/m



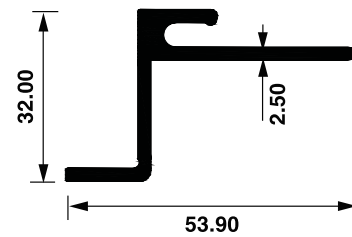
3492

0.655 Kg/m



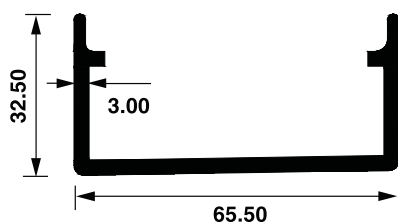
3508

0.676 Kg/m



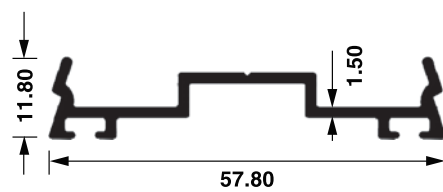
3478

1.022 Kg/m

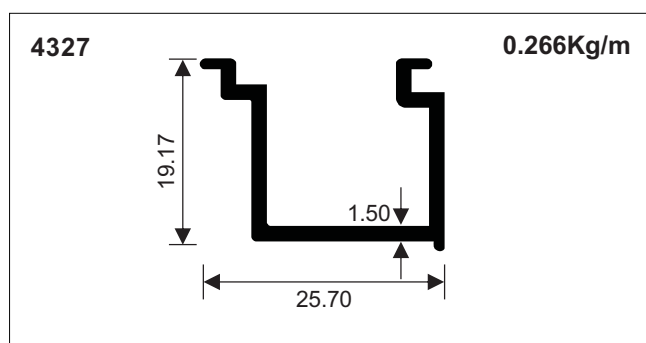
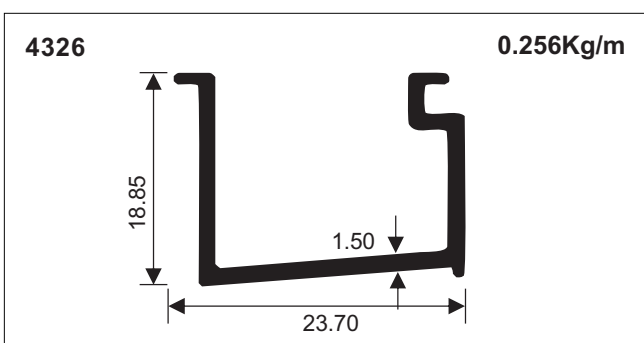
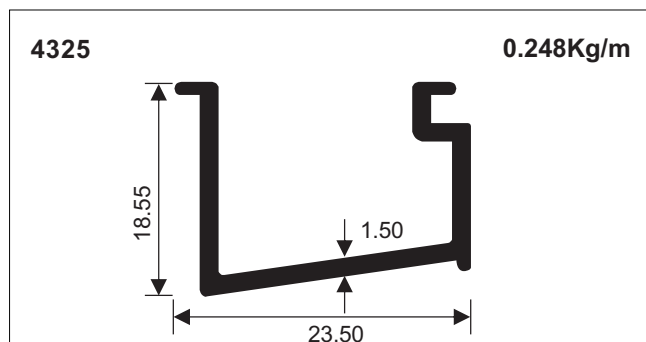
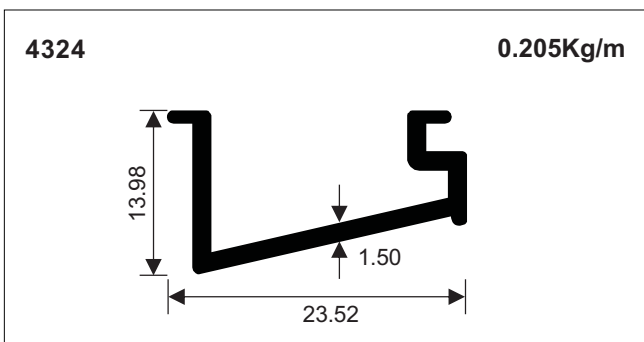
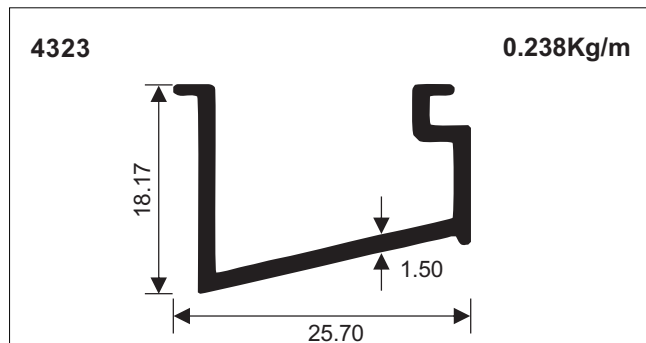
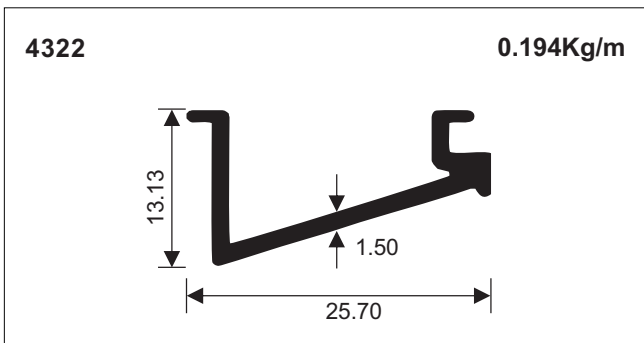
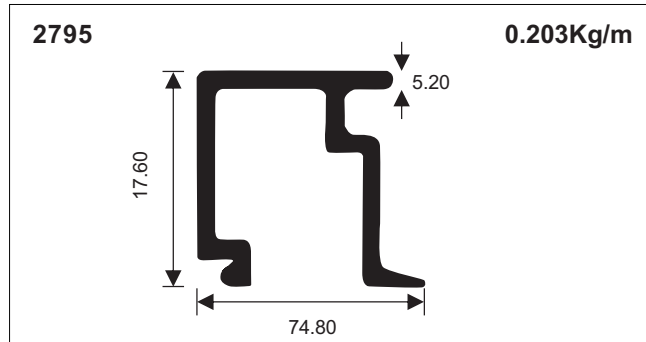
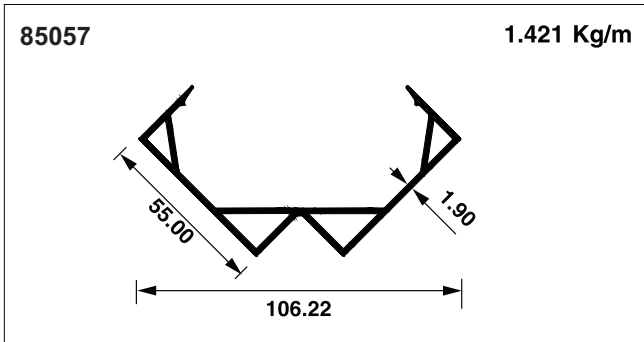
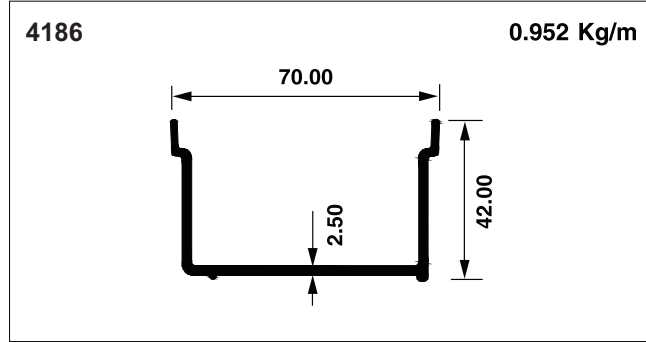
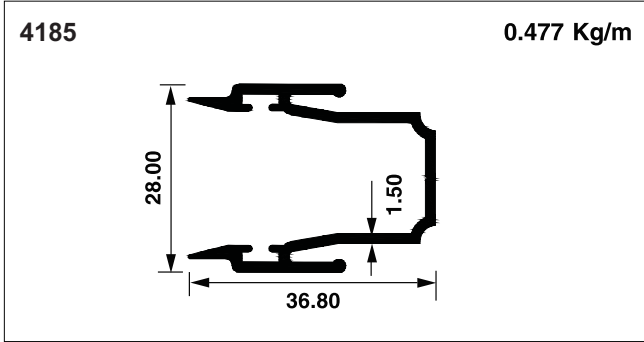


4028

0.405 Kg/m



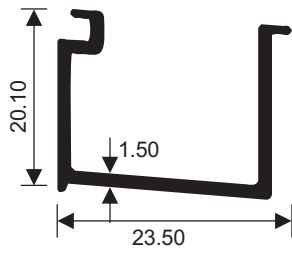
Clips





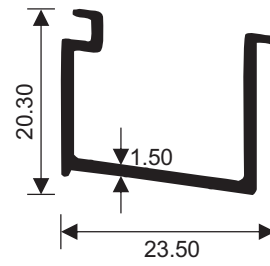
Clips

4330



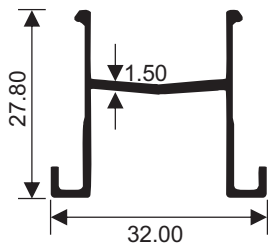
0.267Kg/m

4331



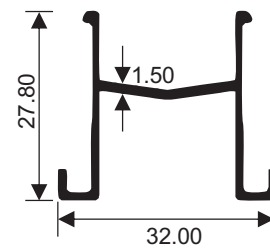
0.268Kg/m

4332



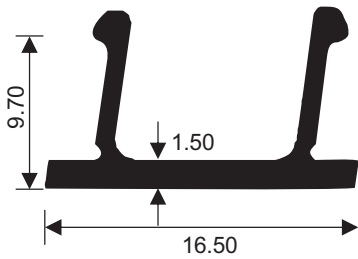
0.310Kg/m

4333



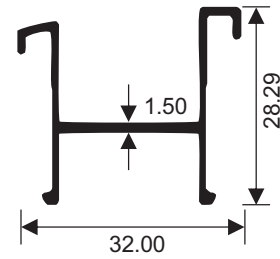
0.309Kg/m

4334



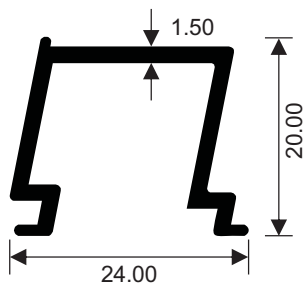
0.118Kg/m

4335



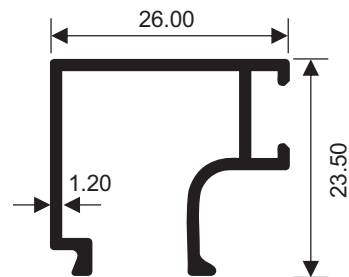
0.302Kg/m

4336



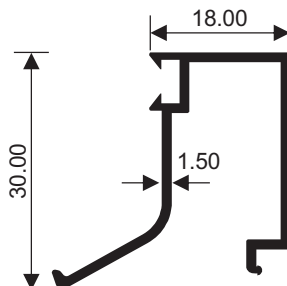
0.2581Kg/m

4369



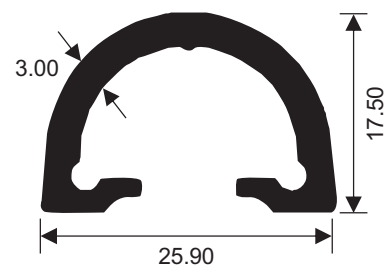
0.286Kg/m

4378



0.364Kg/m

3699



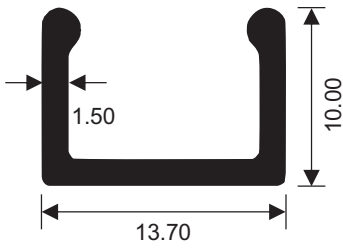
0.426Kg/m

Clips



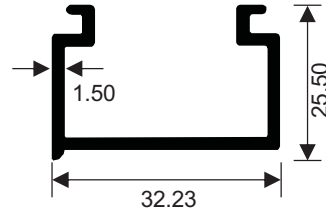
3706

0.13Kg/m



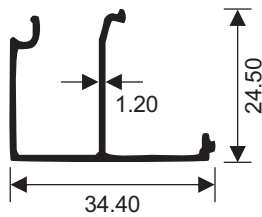
3709

0.342Kg/m



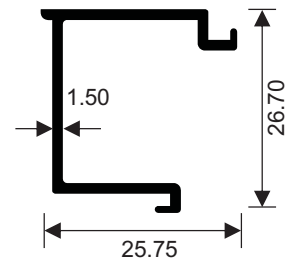
3730

0.301Kg/m



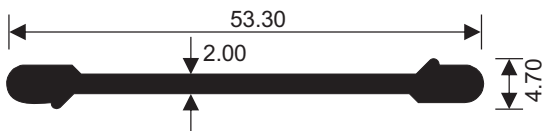
4043

0.292Kg/m



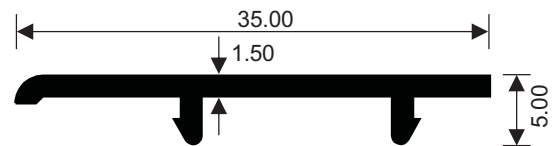
4250

0.361Kg/m



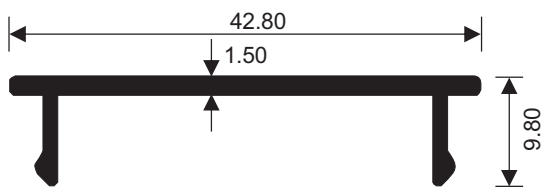
4268

0.169Kg/m



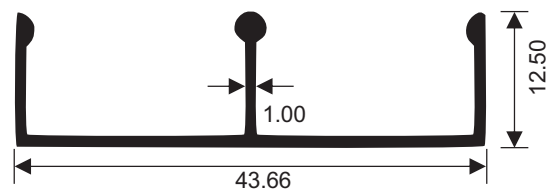
4277

0.228Kg/m



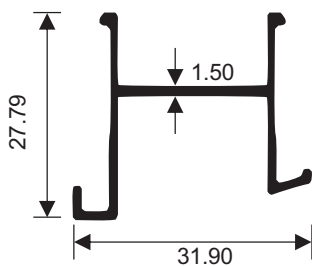
4304

0.231Kg/m



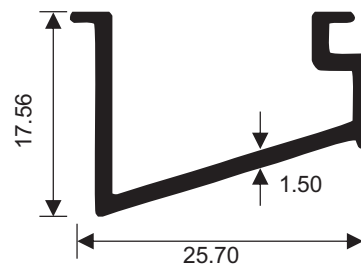
4320

0.29Kg/m



4321

0.229Kg/m

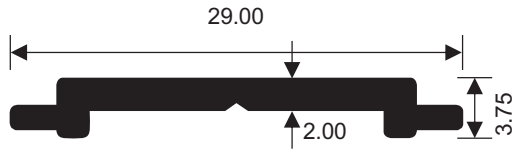




Clips

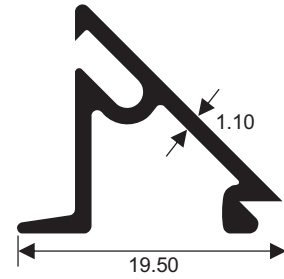
4426

0.165Kg/m



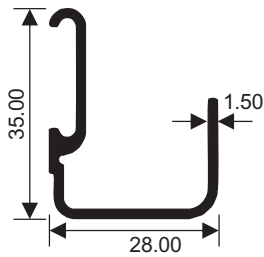
4683

0.146Kg/m



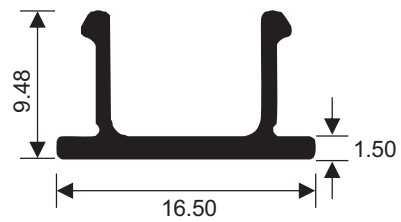
4722

0.363Kg/m



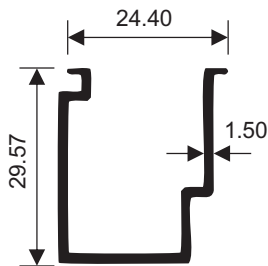
5189

0.117Kg/m



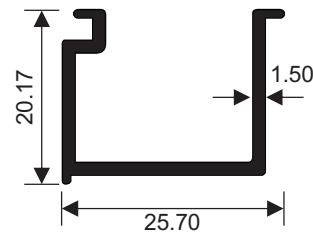
5190

0.346Kg/m



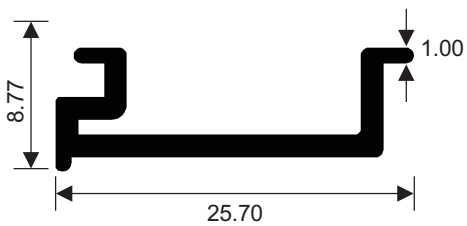
5191

0.265Kg/m



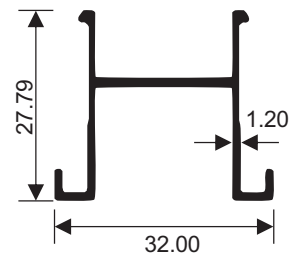
5192

0.173Kg/m



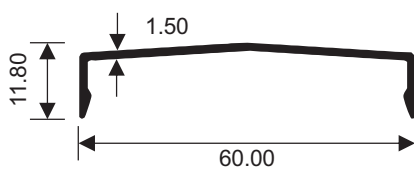
5194

0.309Kg/m



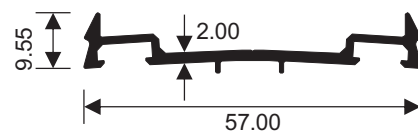
7573

0.331Kg/m



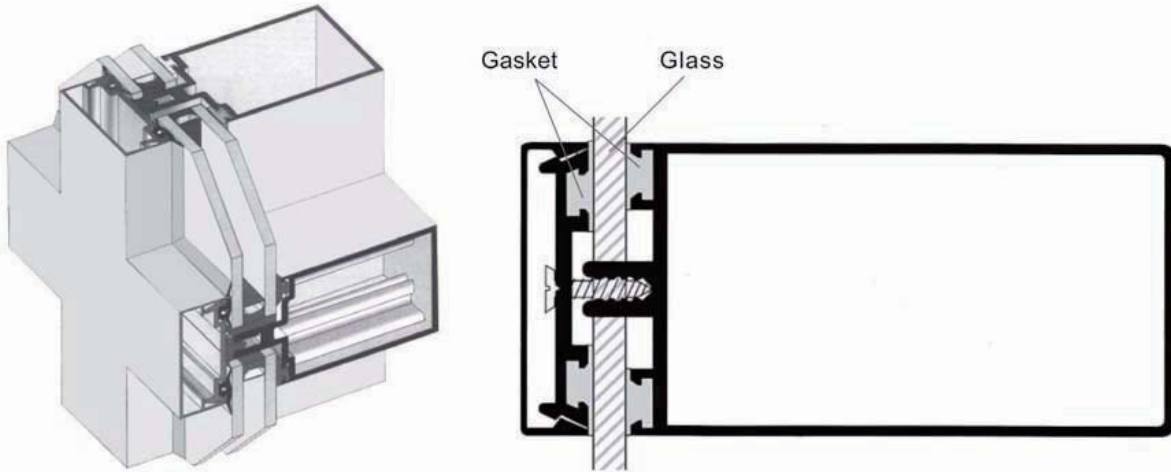
7598

0.399Kg/m



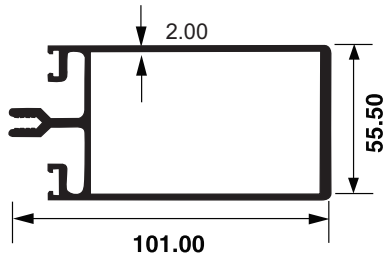


Curtain Walls Assembly



9302

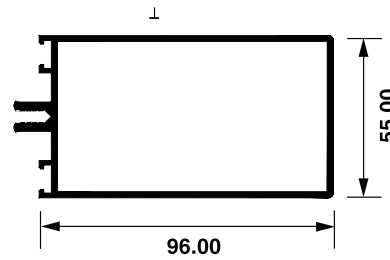
2.439 Kg/m



Mullion

9303

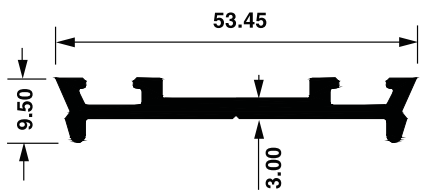
1.819 Kg/m



Mullion

7559

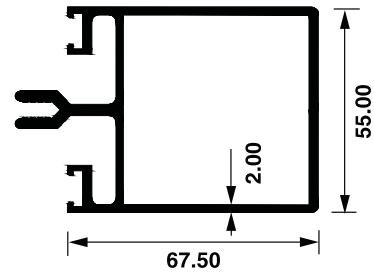
0.515 Kg/m



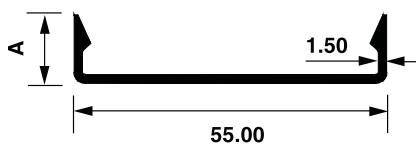
Pressure Plate

9187

1.875 Kg/m



Mullion

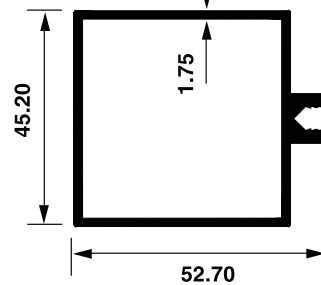


Sec	A	Kg/m
7557	12.00	0.317
7558	15.00	0.342
7545	20.00	0.387

Slip on Cap

8776

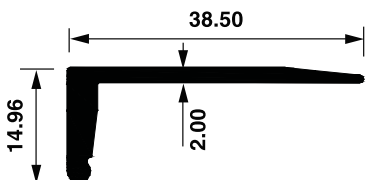
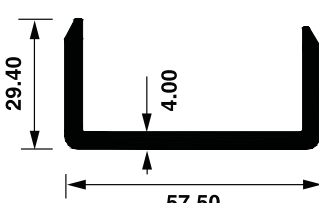
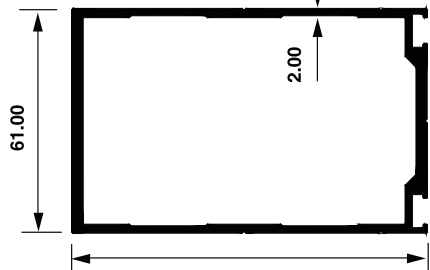
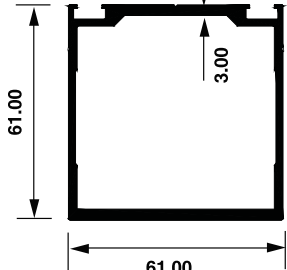
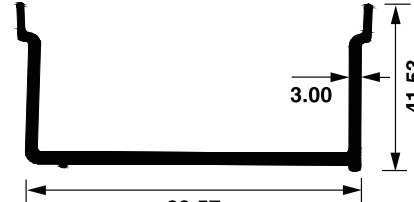

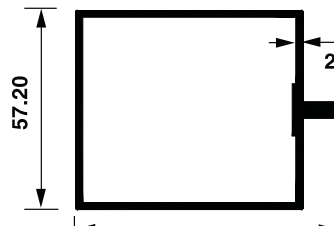
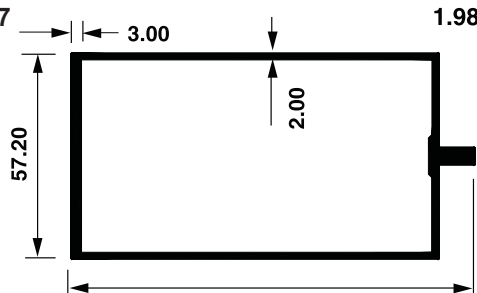
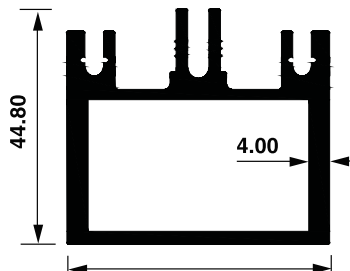
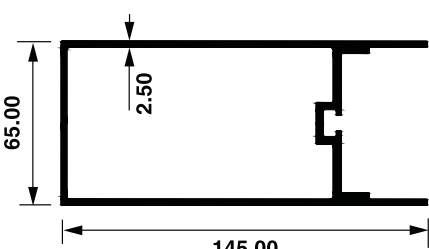
0.960 Kg/m

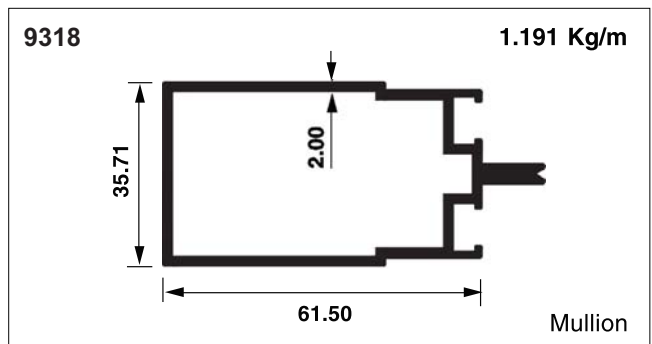
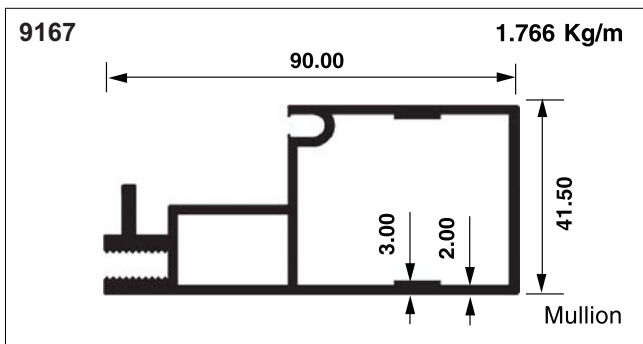
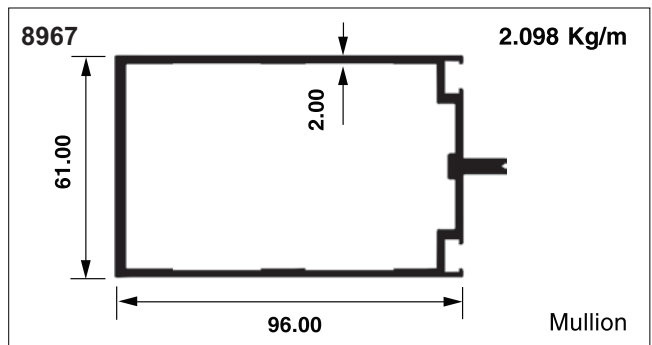
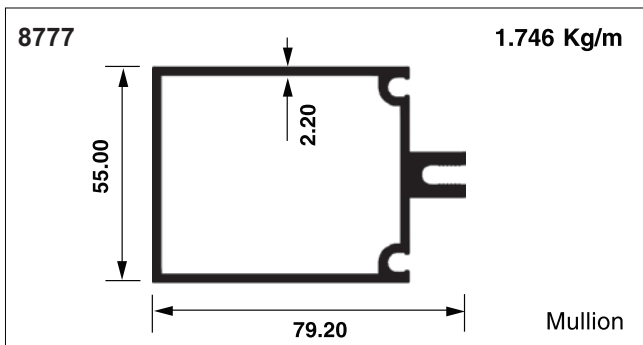
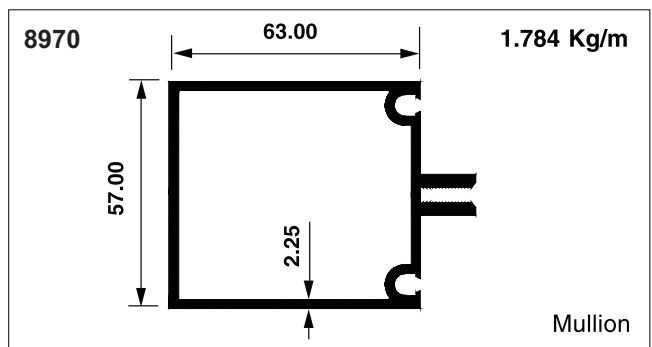
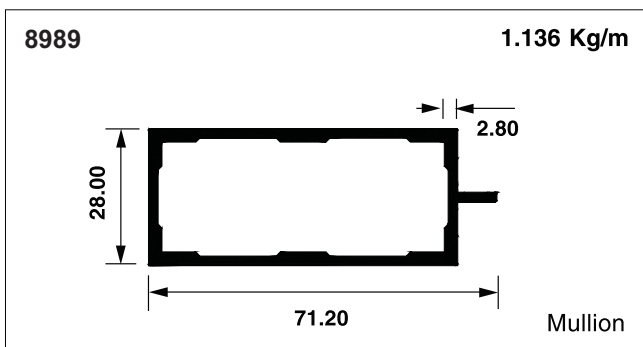
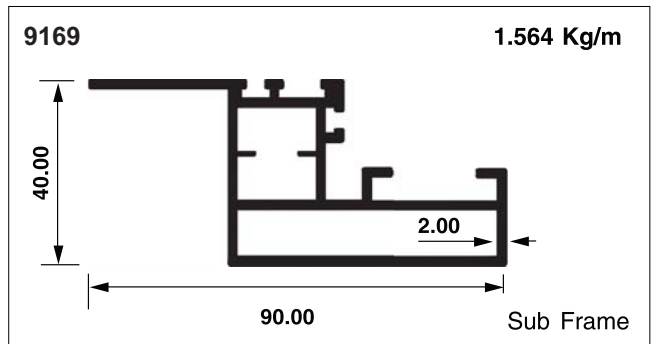
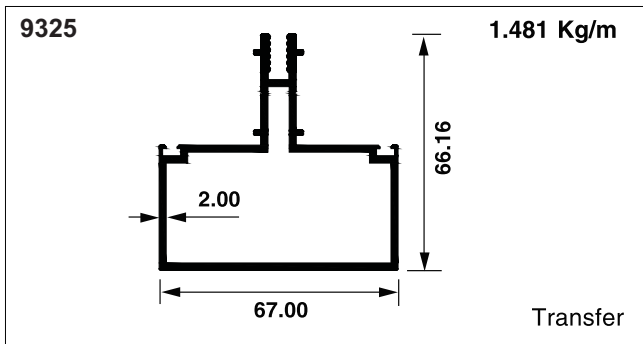
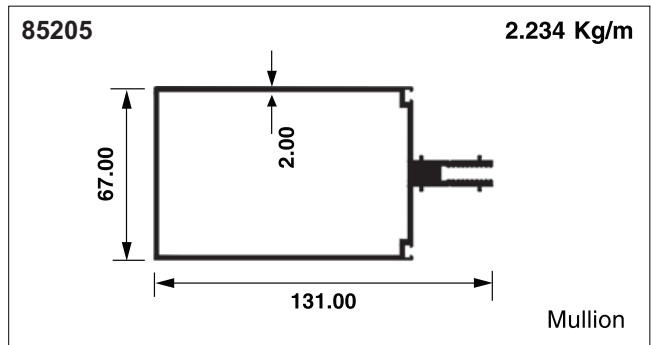
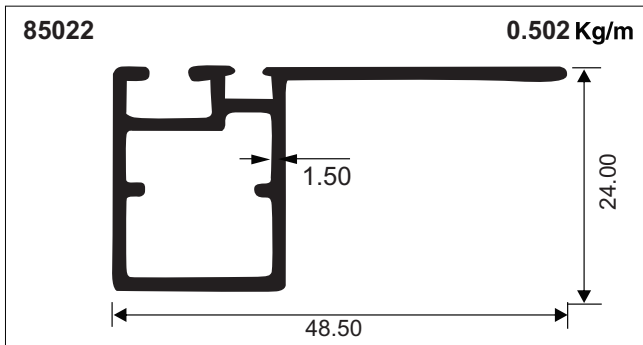


Transfer



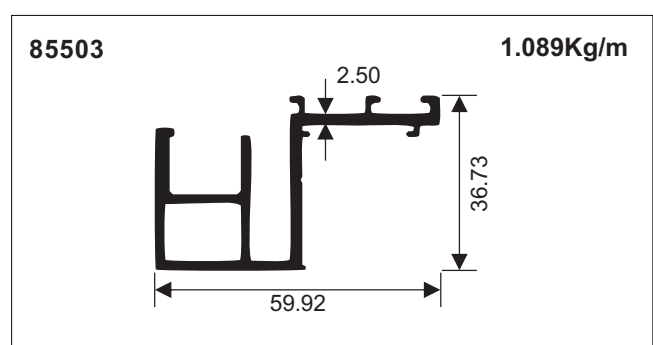
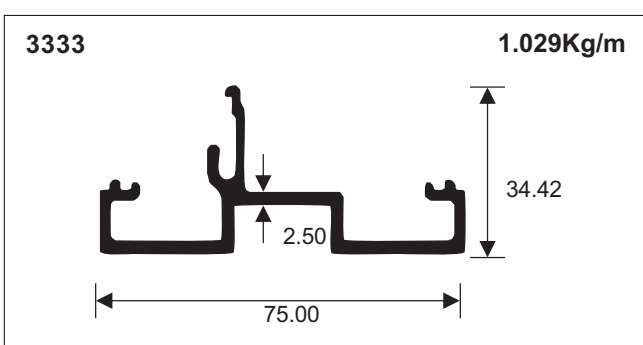
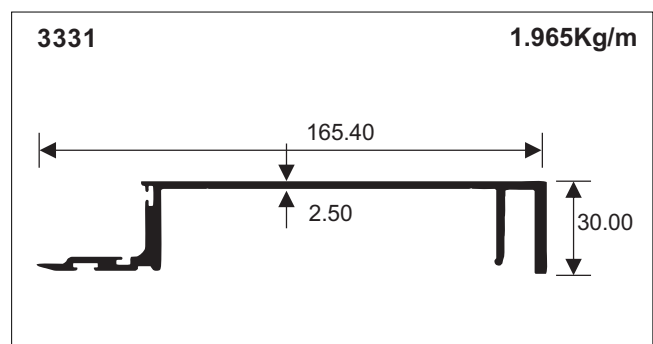
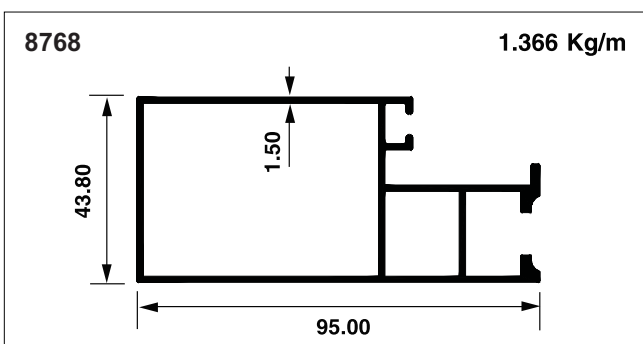
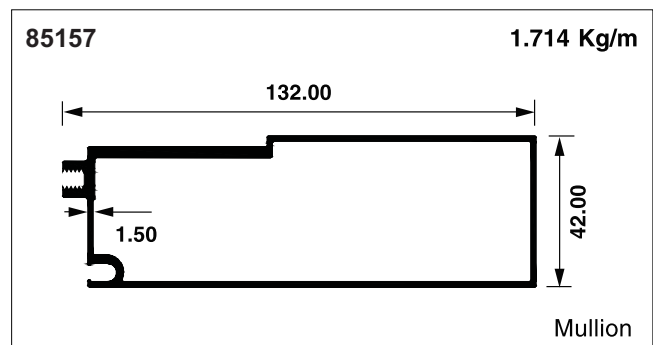
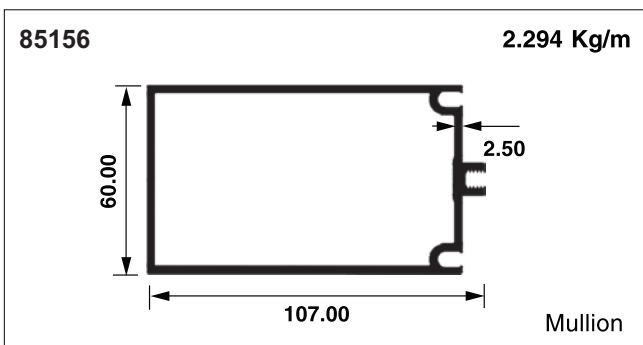
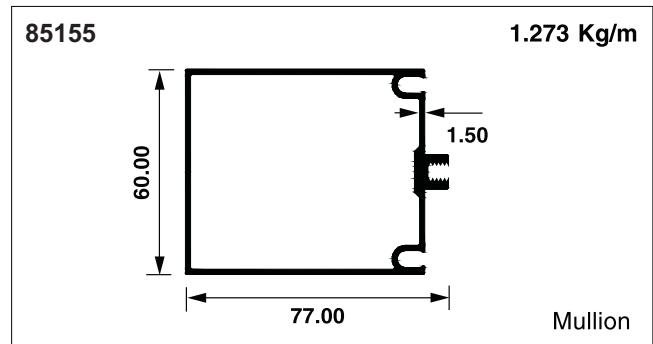
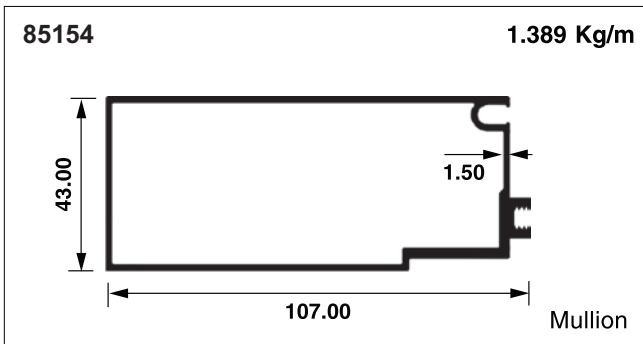
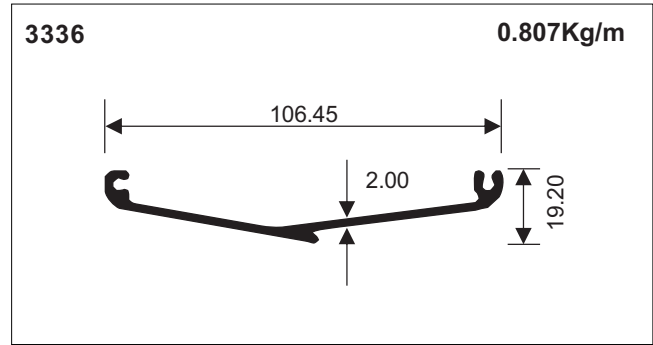
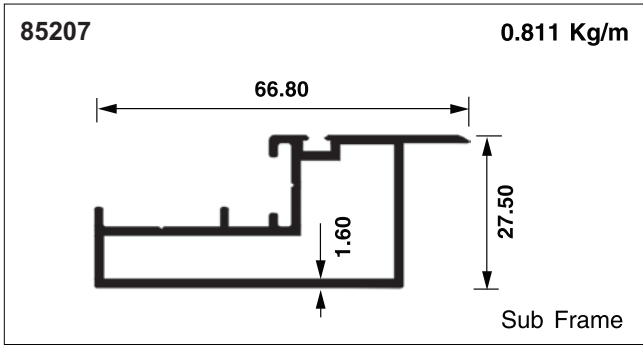
Curtain Walls

<p>3527 0.315 Kg/m</p> 	<p>3528 1.110 Kg/m</p> 
<p>8938 2.099 Kg/m</p>  <p style="text-align: right;">Mullion</p>	<p>8937 1.667 Kg/m</p>  <p style="text-align: right;">Transfer</p>
<p>3484 1.259 Kg/m</p> 	<p>8963 0.894 Kg/m</p>  <p style="text-align: right;">Mullion</p>
<p>8796 1.446 Kg/m</p>  <p style="text-align: right;">Mullion</p>	<p>8797 1.984 Kg/m</p>  <p style="text-align: right;">Mullion</p>
<p>9340 1.768 Kg/m</p>  <p style="text-align: right;">Mullion</p>	<p>85240 3.2 Kg/m</p> 

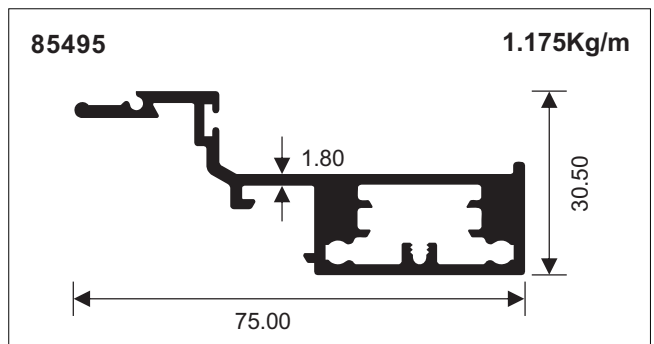
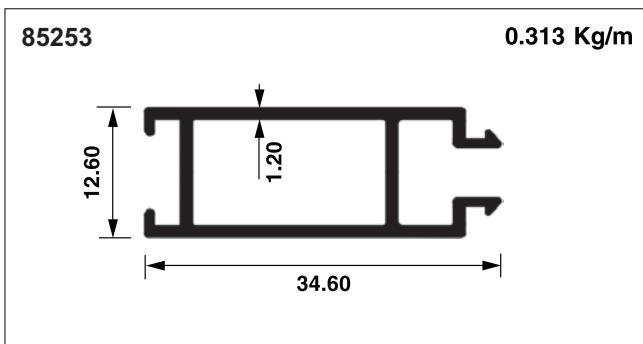
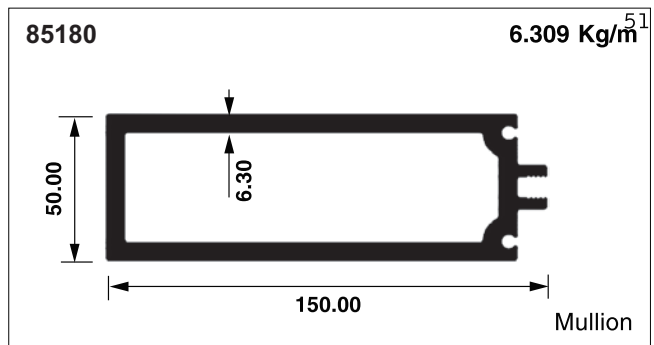
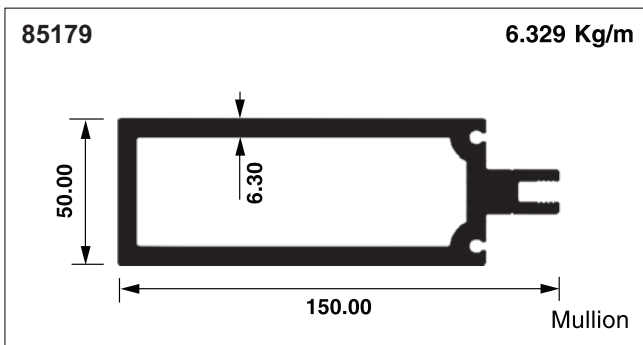
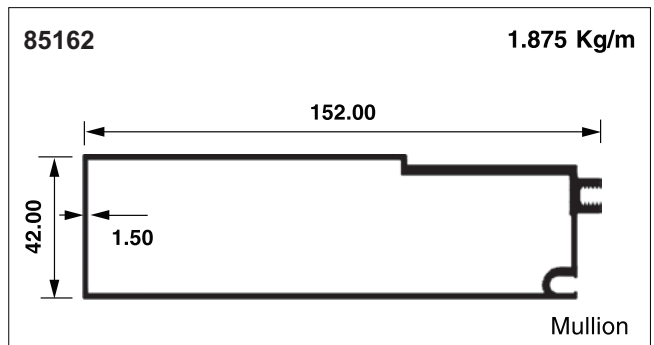
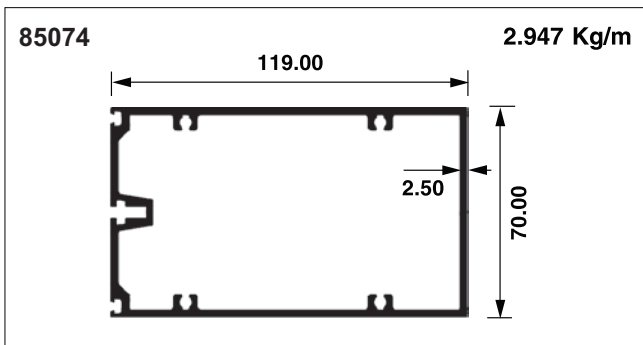
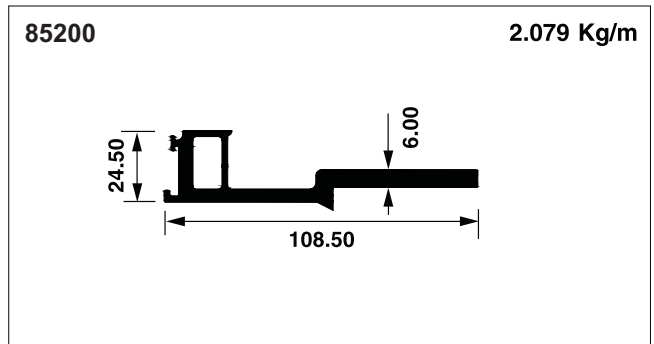
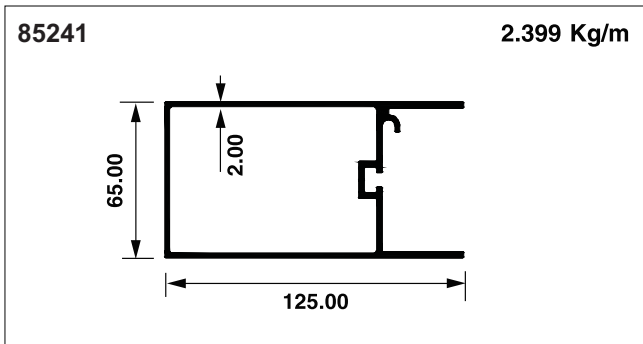
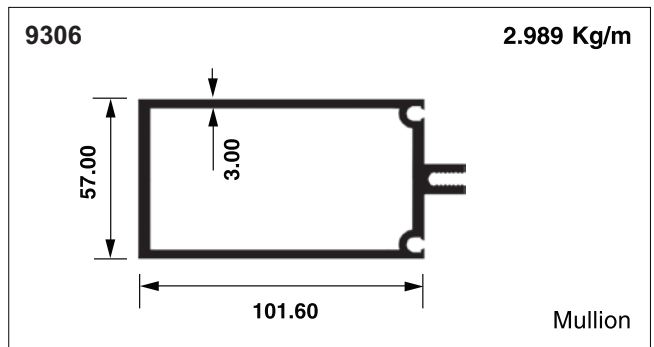
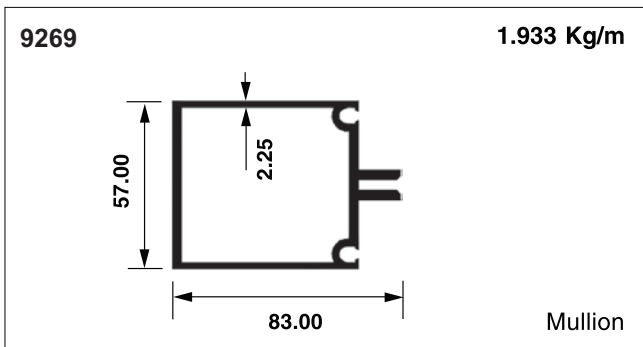




Curtain Walls

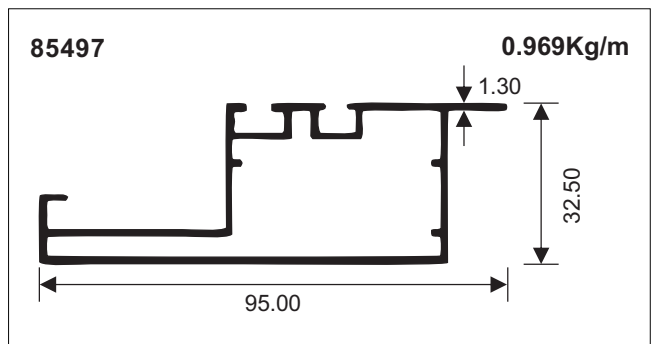
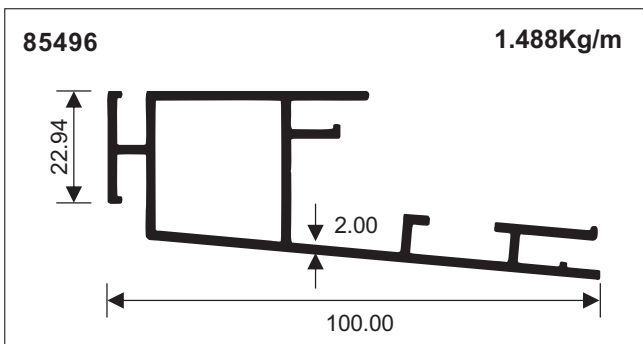
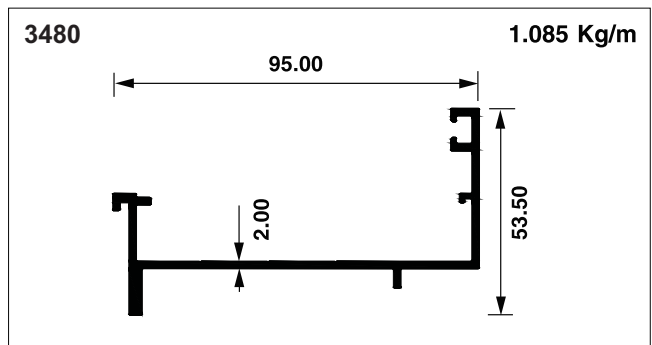
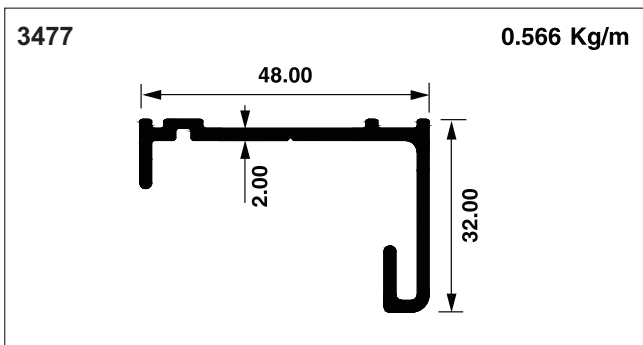
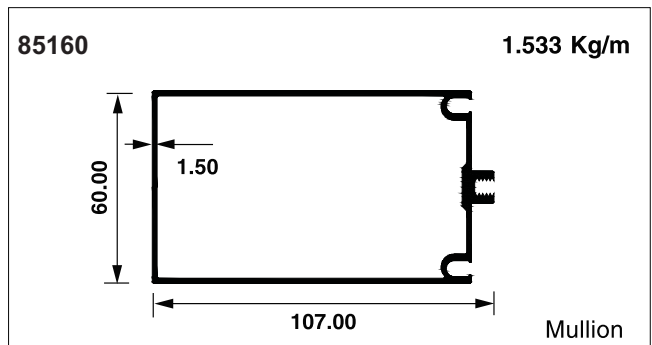
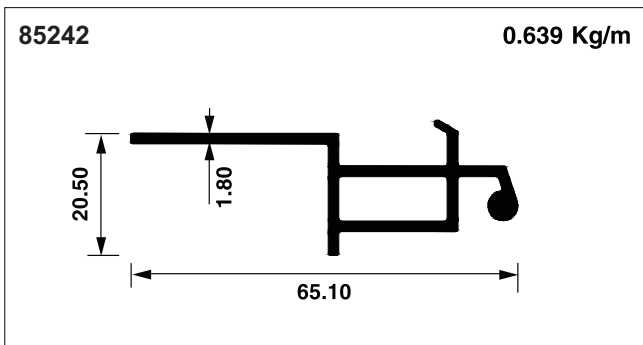
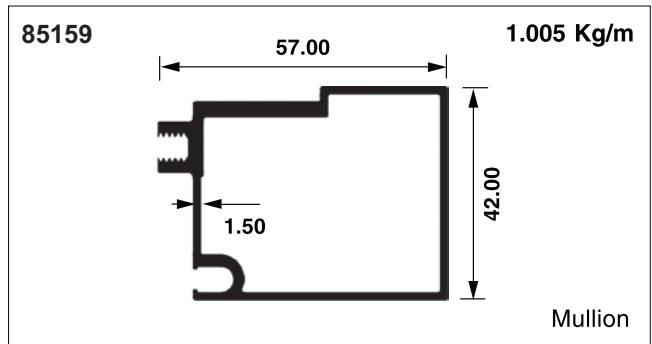
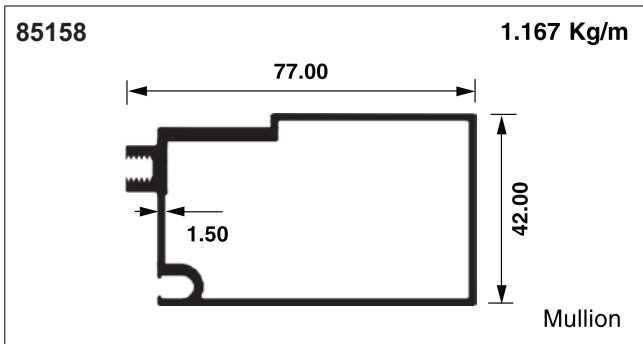
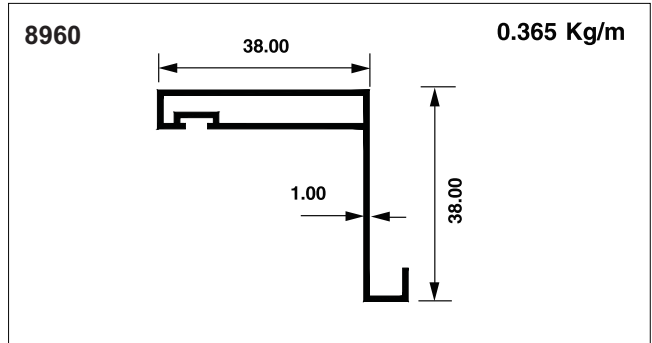
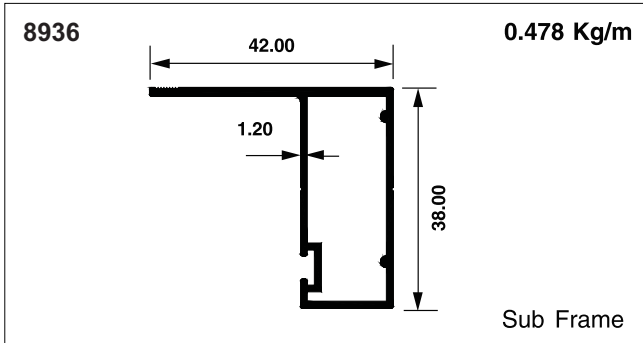


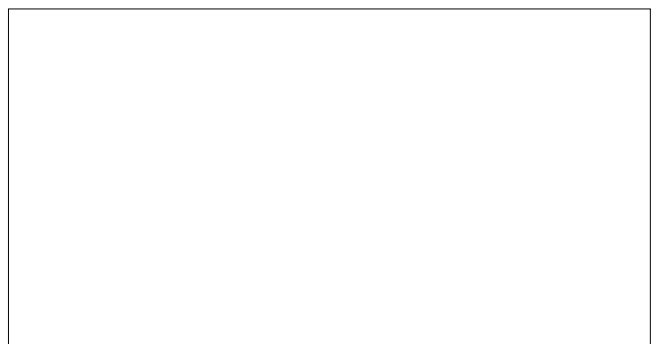
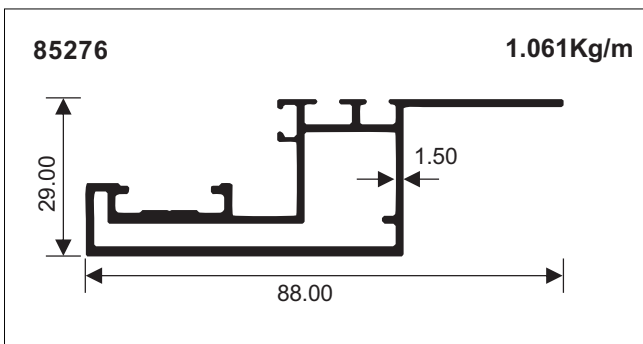
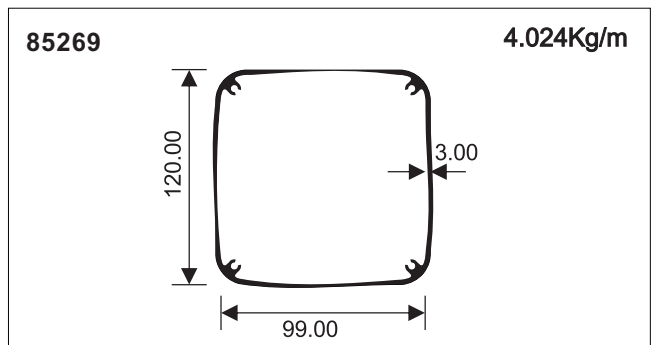
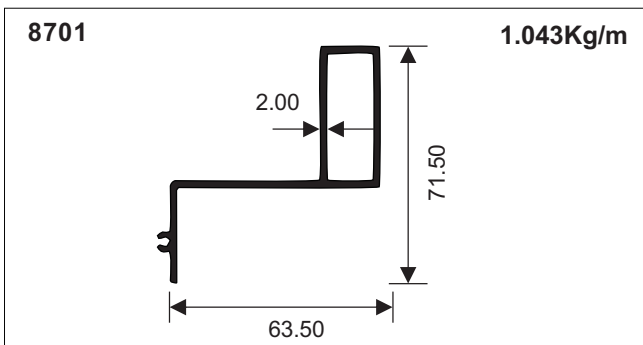
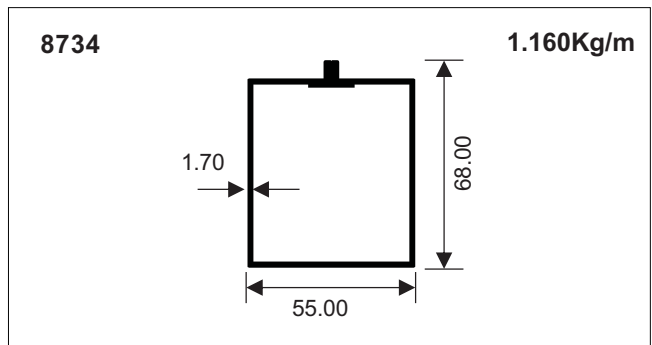
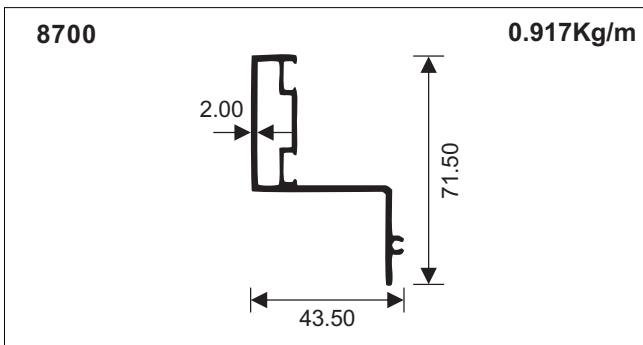
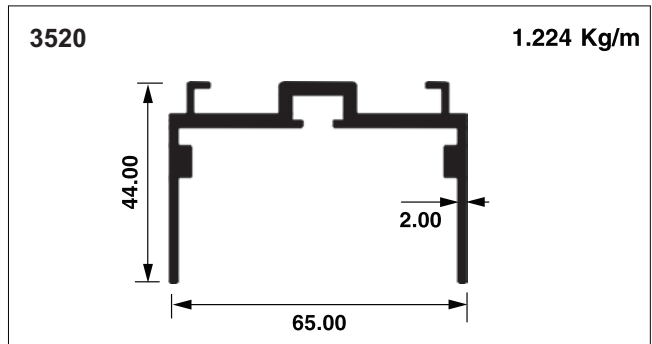
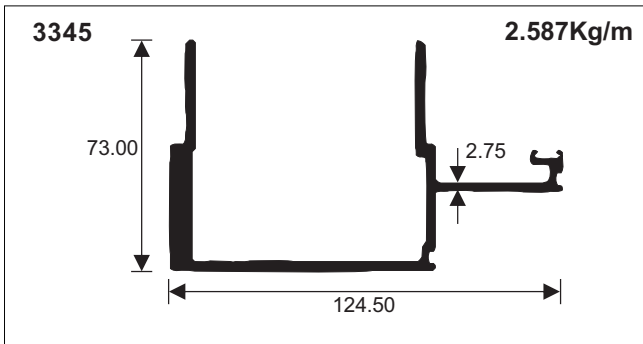
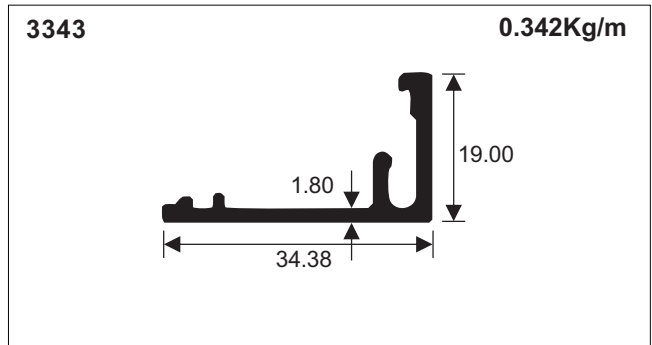
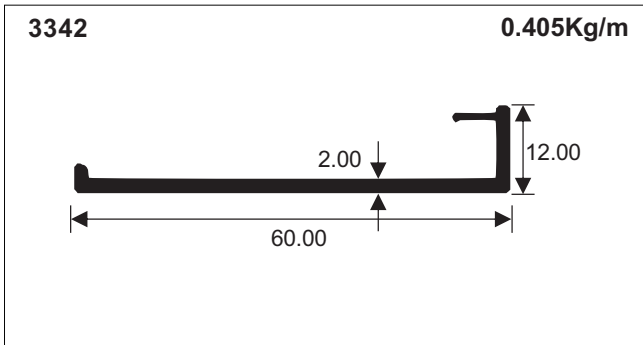
Curtain Walls





Curtain Walls



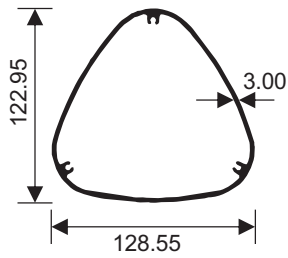




Curtain Walls

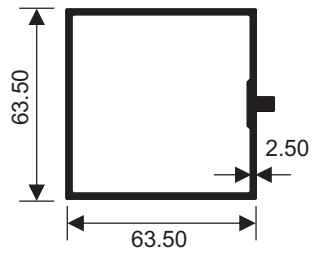
85271

3.462Kg/m



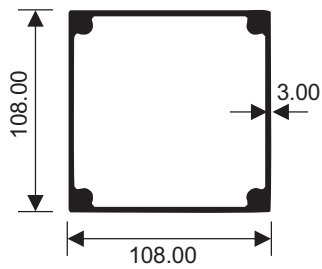
85258

1.777Kg/m



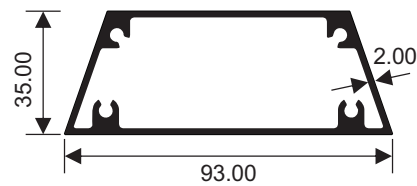
85270

4.392Kg/m



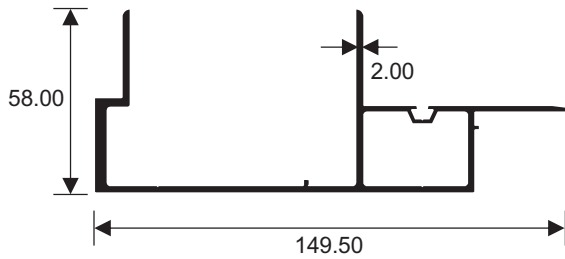
85272

1.676Kg/m



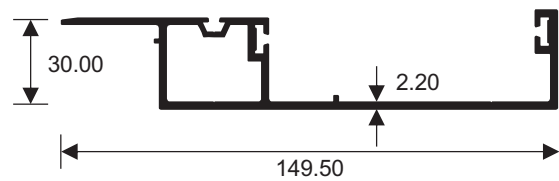
85277

2.152Kg/m



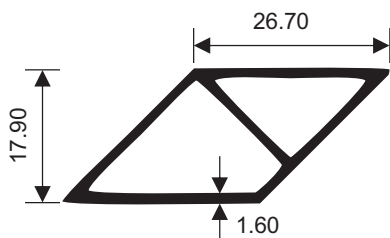
85278

1.672Kg/m



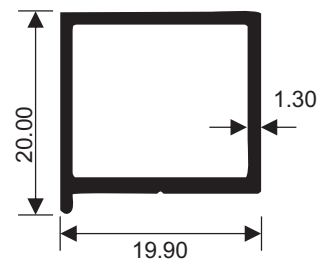
85279

0.414Kg/m



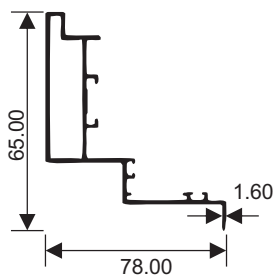
85280

0.268Kg/m



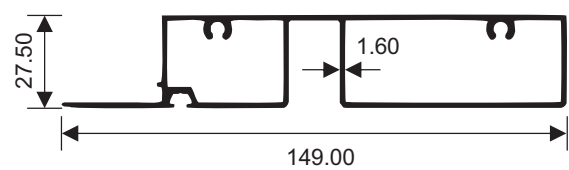
85281

1.493Kg/m



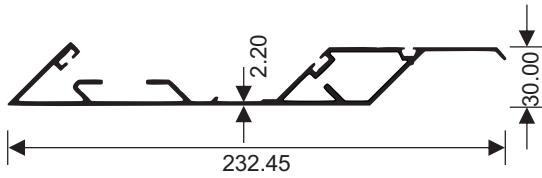
85283

1.704Kg/m

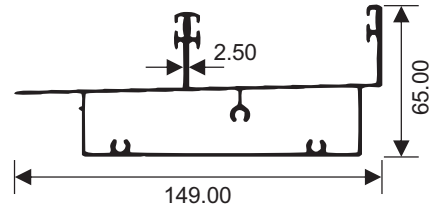




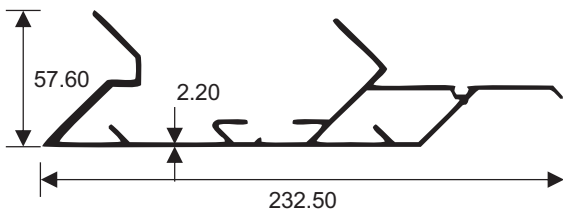
85284 **2.657Kg/m**



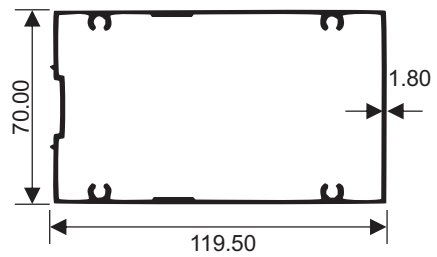
85285 **2.416Kg/m**



85286 **3.402Kg/m**



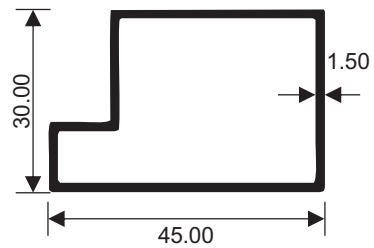
85287 **2.048Kg/m**



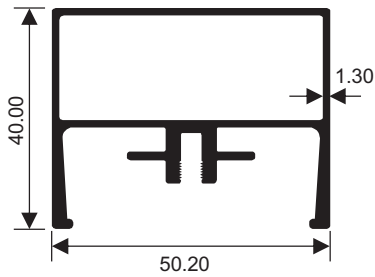
85289 **2.296Kg/m**



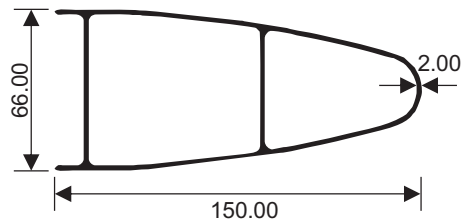
85290 **0.583Kg/m**



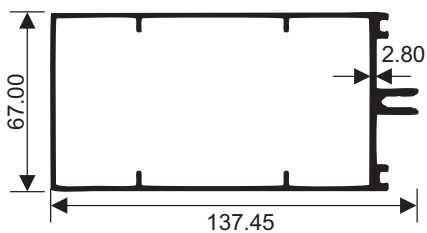
85339 **0.899Kg/m**



85301 **2.364Kg/m**



85303 **2.686Kg/m**

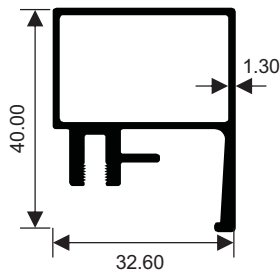




Curtain Walls

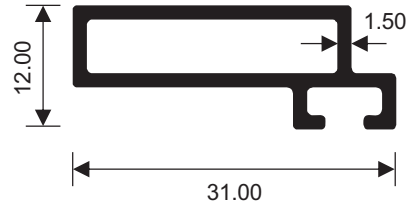
85340

0.642Kg/m



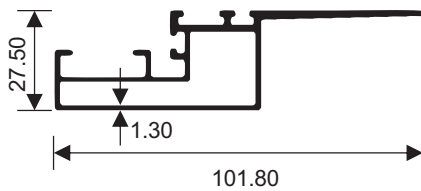
85341

0.322Kg/m



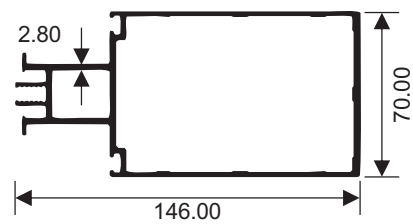
85342

1.064Kg/m



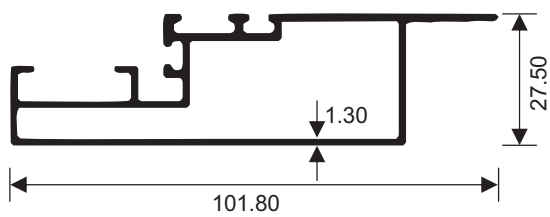
85343

3.209Kg/m



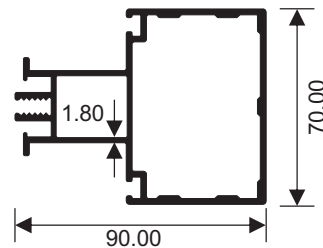
85344

1.118Kg/m



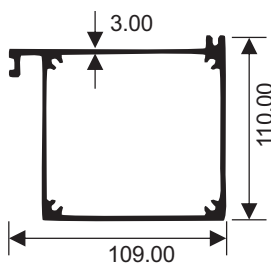
85345

2.014Kg/m



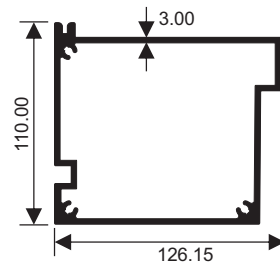
85355

4.525Kg/m

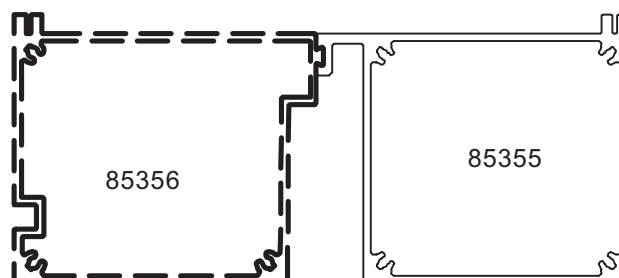


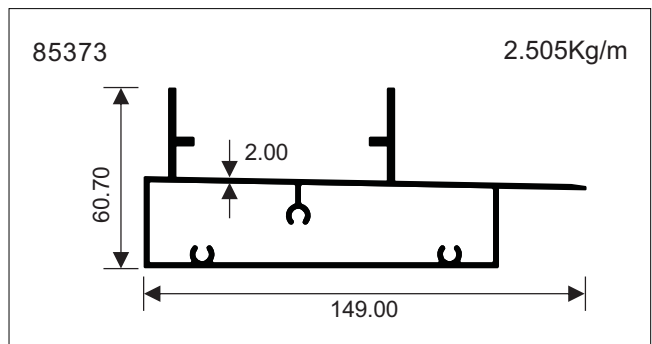
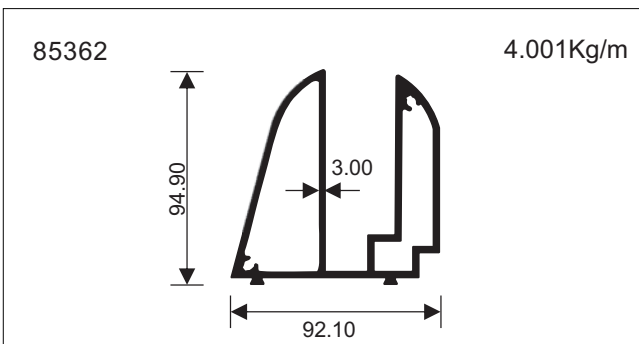
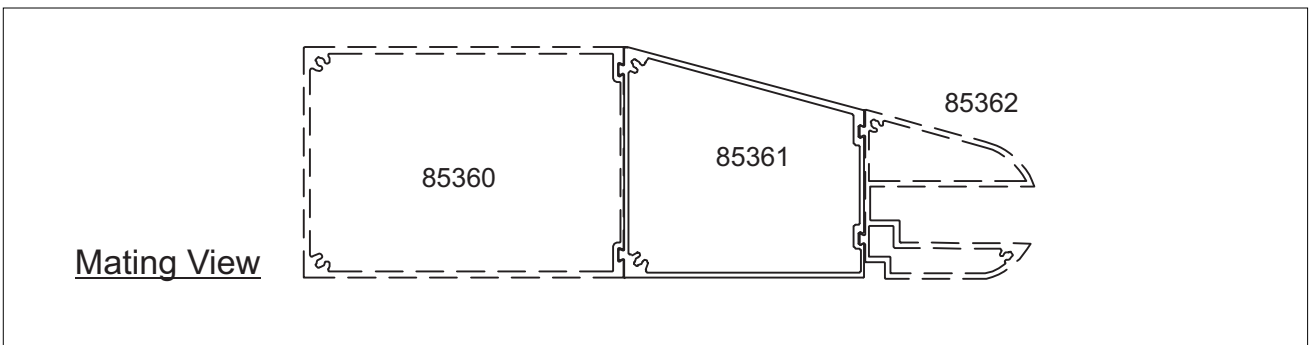
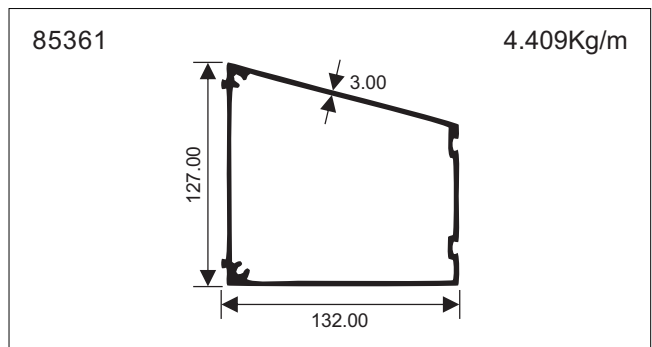
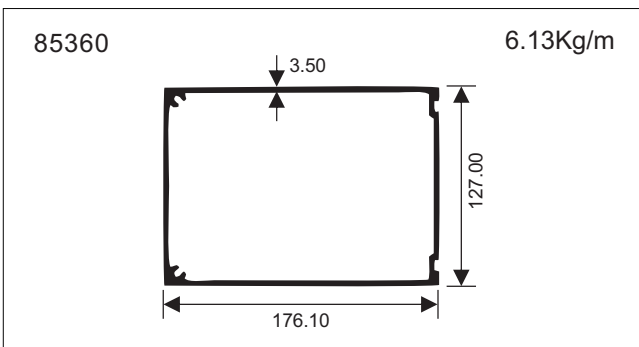
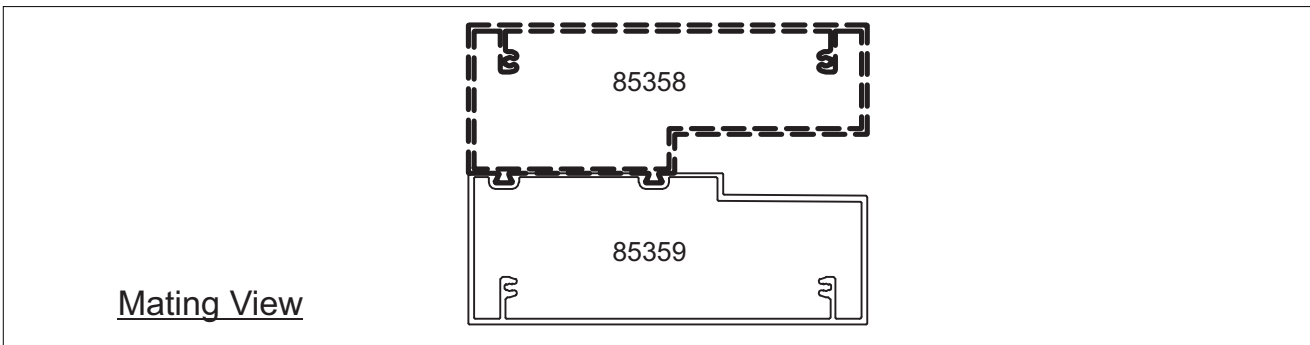
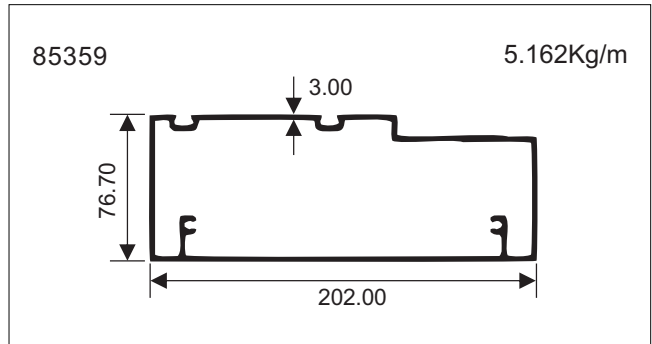
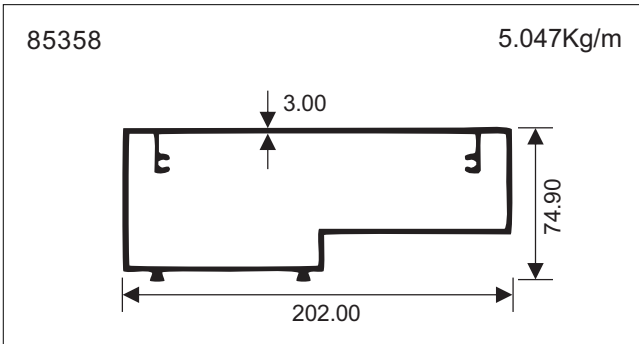
85356

4.48Kg/m



Mating View



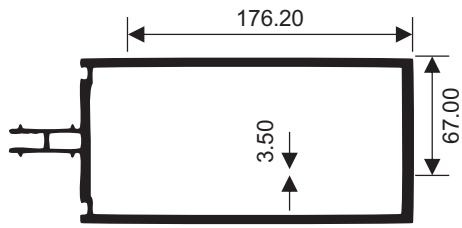




Curtain Walls

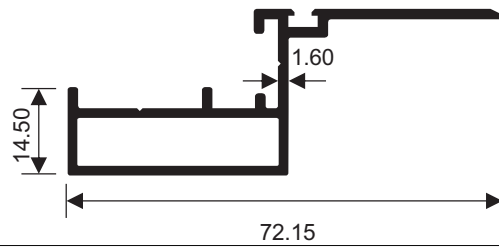
85378

4.659Kg/m



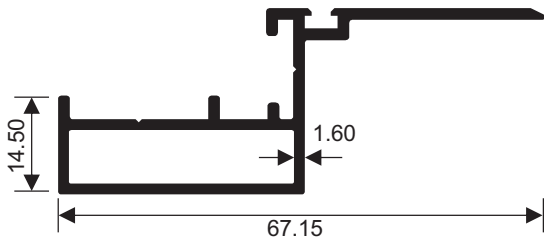
85379

0.692Kg/m



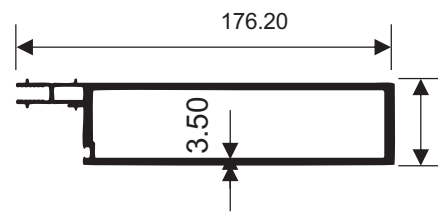
85380

0.668Kg/m



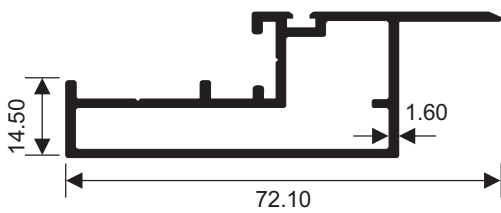
85381

3.946Kg/m



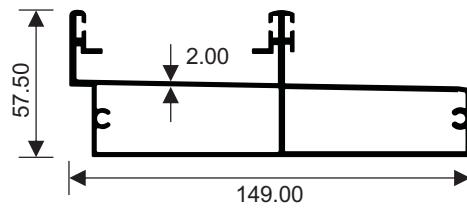
85382

0.853Kg/m



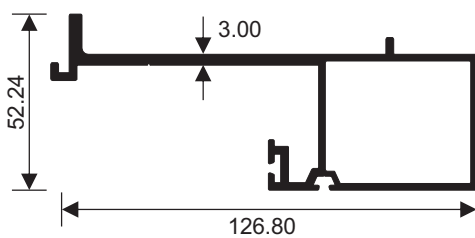
85372

2.925Kg/m



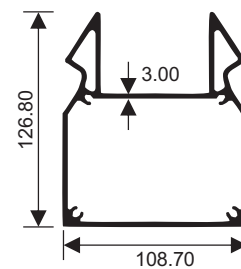
85374

1.913Kg/m



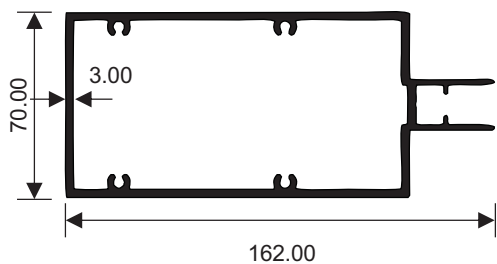
85357

4.977Kg/m



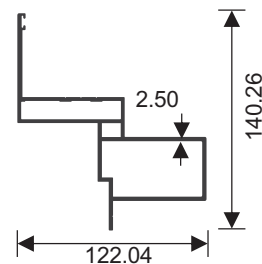
85422

3.810Kg/m



85501

3.265Kg/m



Curtain Walls



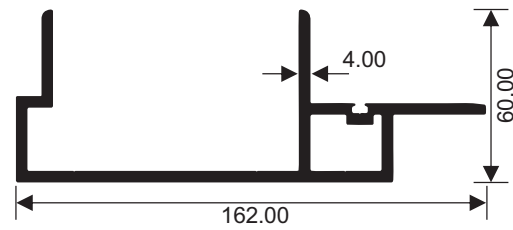
85423

3.582Kg/m

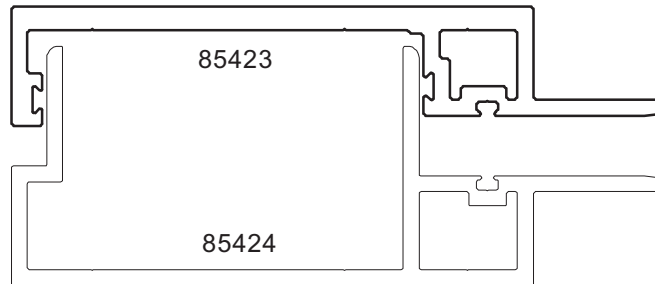


85424

3.602Kg/m

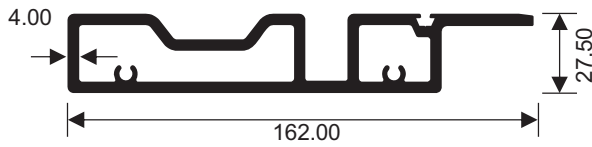


Mating View



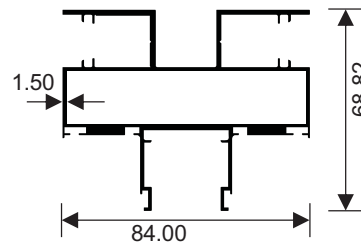
85425

4.067Kg/m



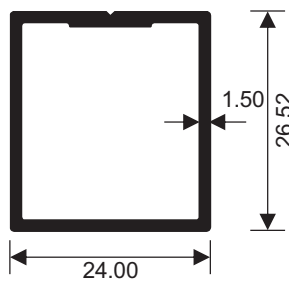
85436

1.957Kg/m



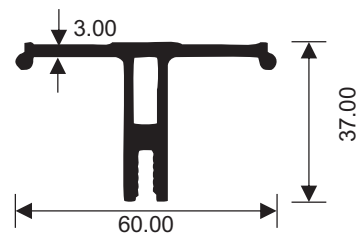
85443

0.397Kg/m



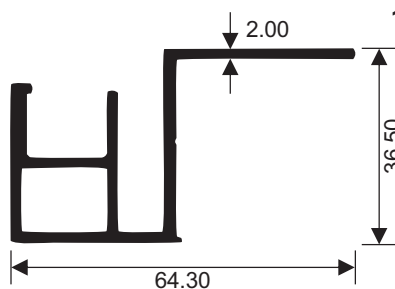
85437

1.123Kg/m



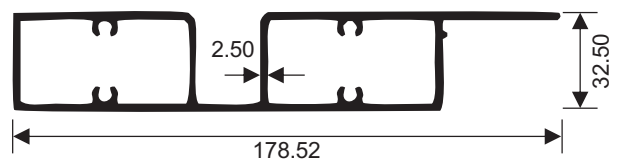
85438

1.008Kg/m



85439

3.047Kg/m

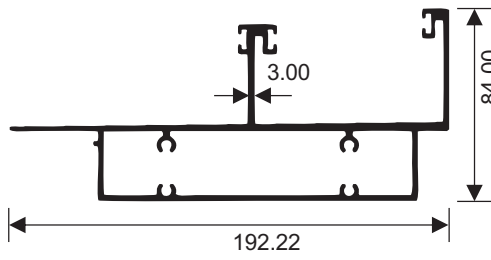




Curtain Walls

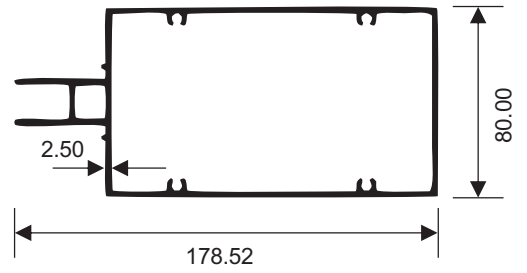
85440

4.331Kg/m



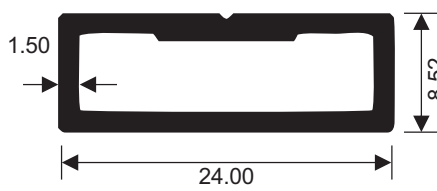
85441

3.827Kg/m



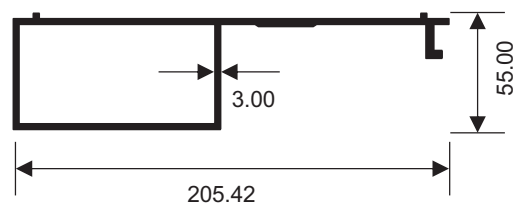
85442

0.252Kg/m



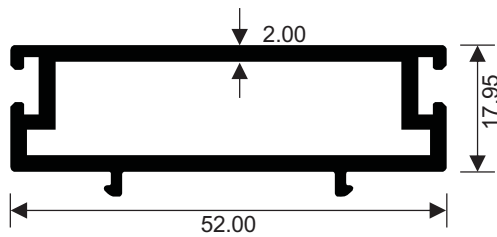
85444

3.664Kg/m



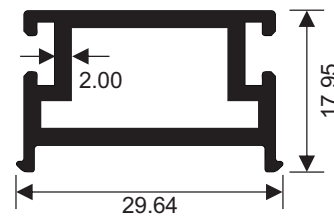
85448

0.748Kg/m



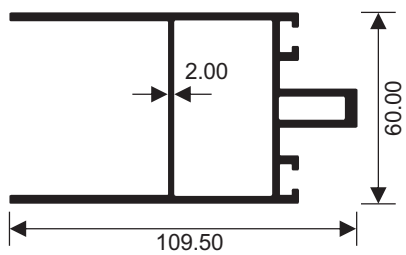
85447

0.488Kg/m



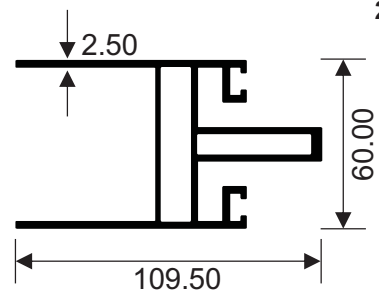
85456

2.436Kg/m



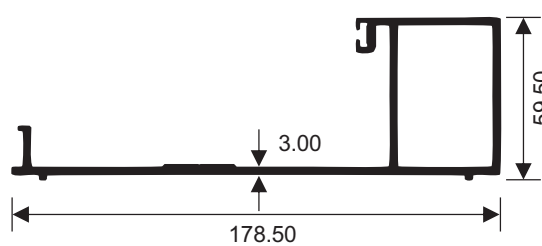
85455

2.763Kg/m



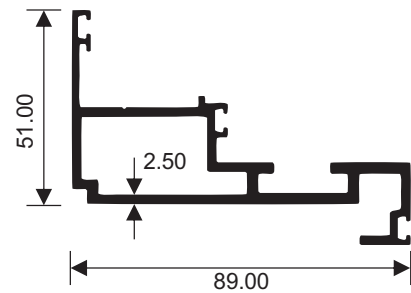
85445

3.077Kg/m

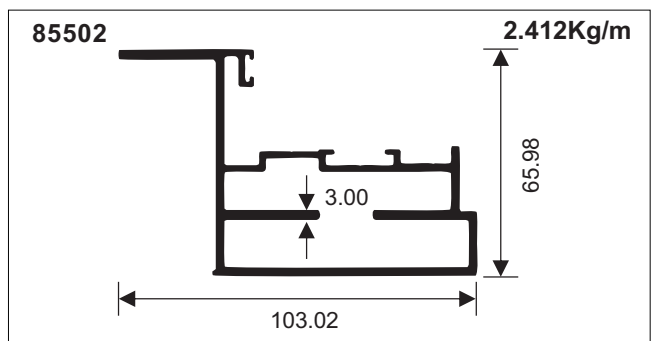
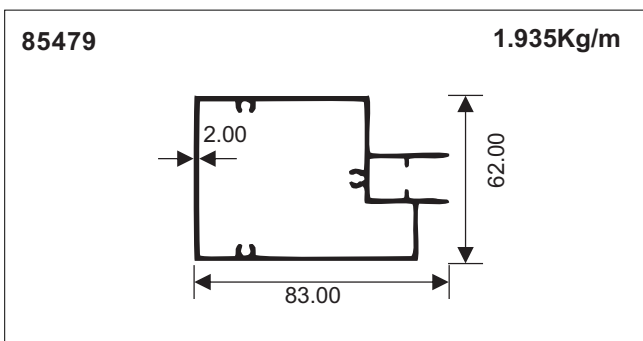
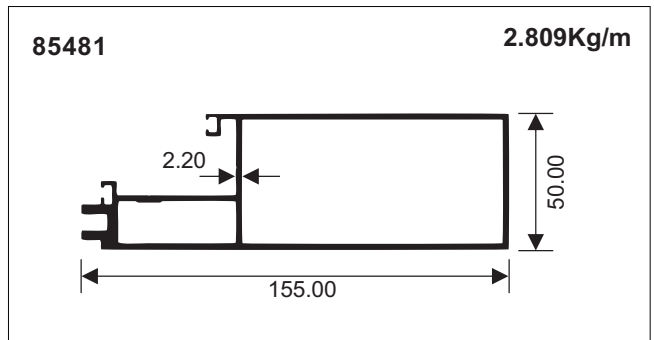
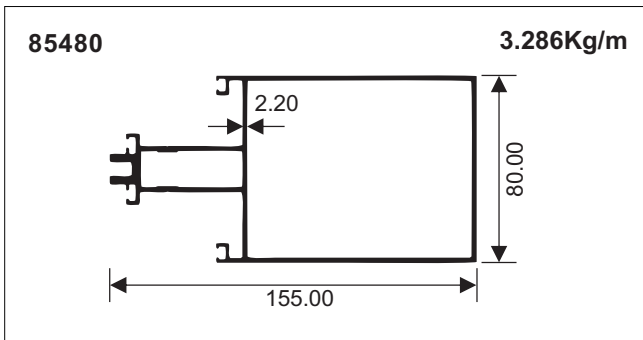
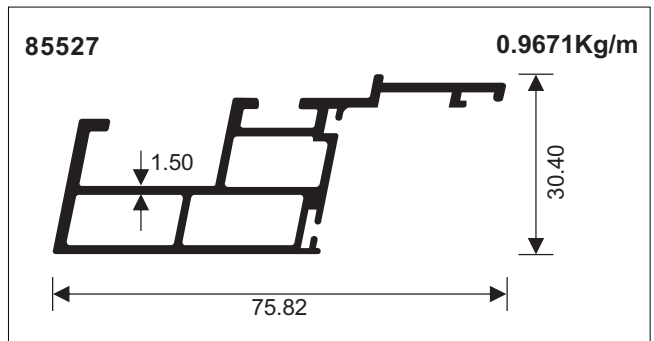
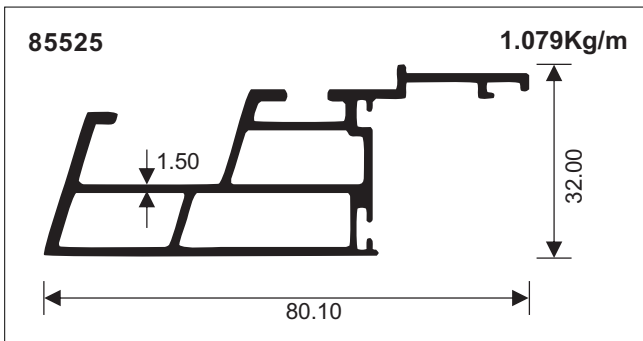
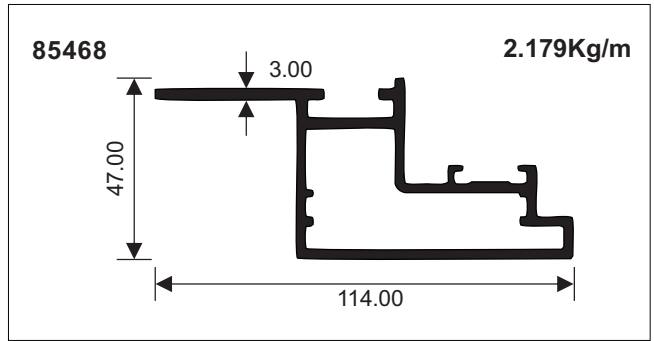
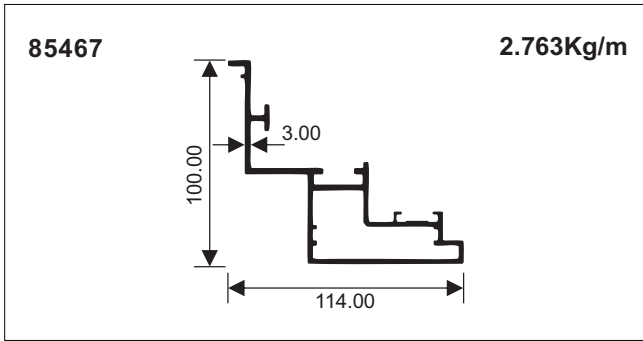
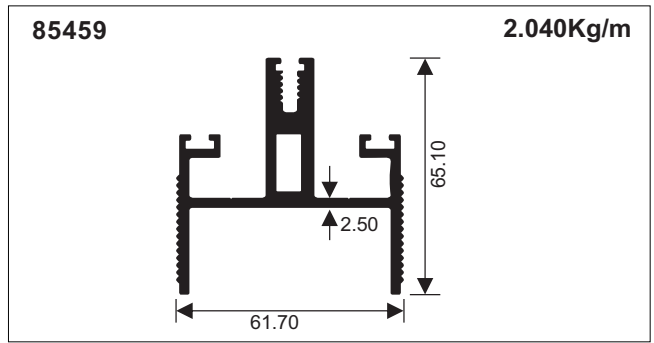
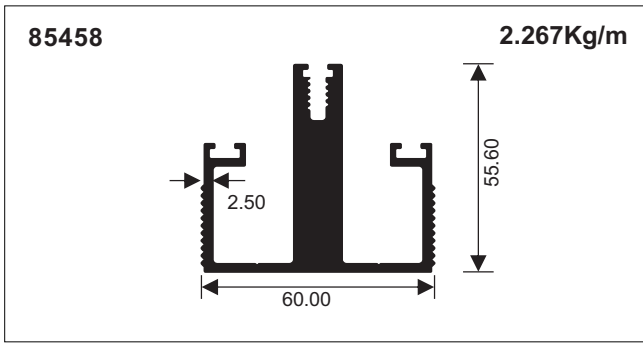


85465

1.837Kg/m

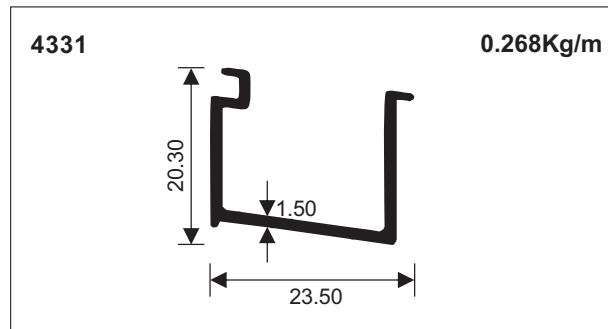
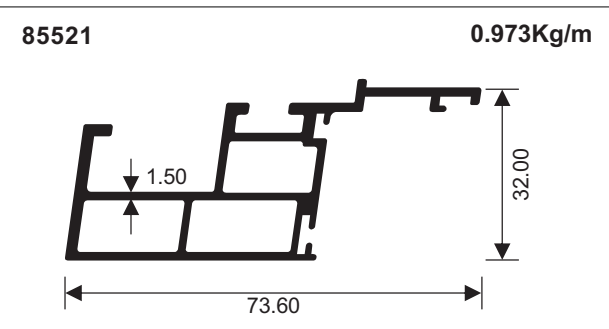
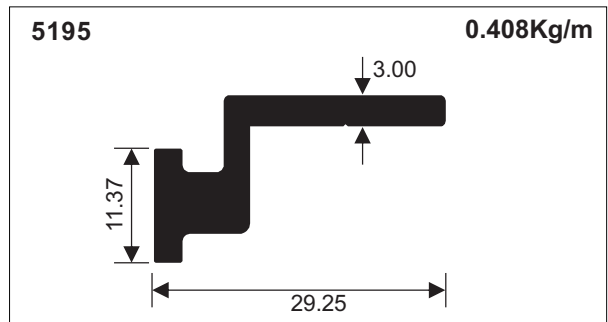
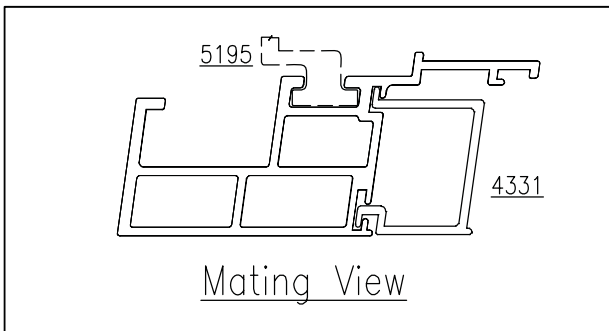
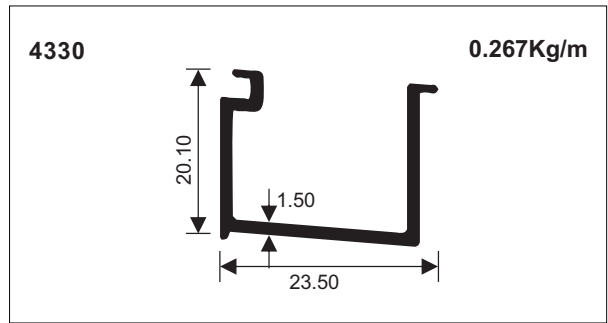
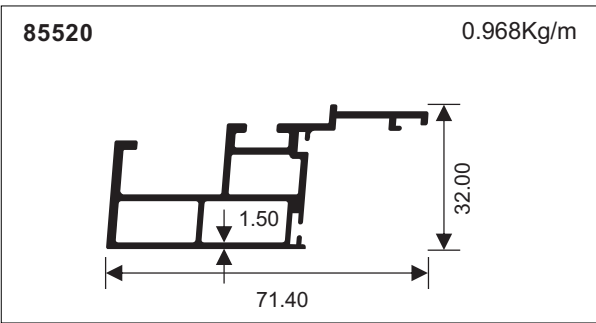
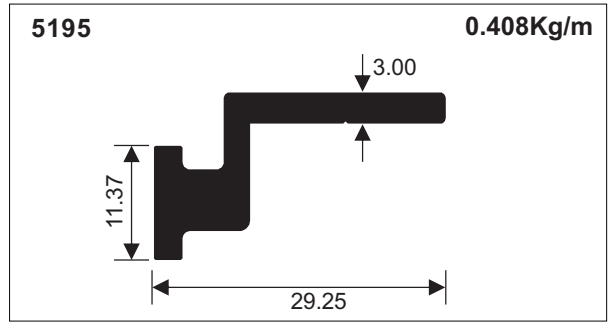
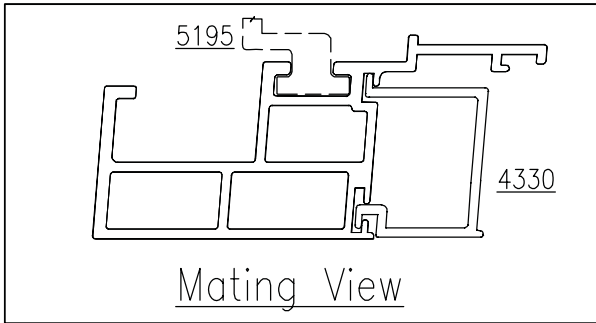


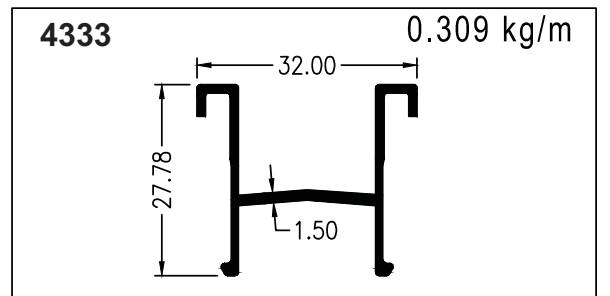
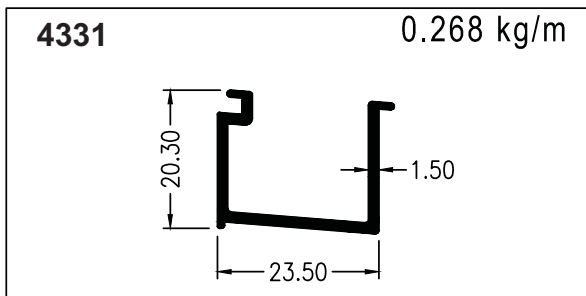
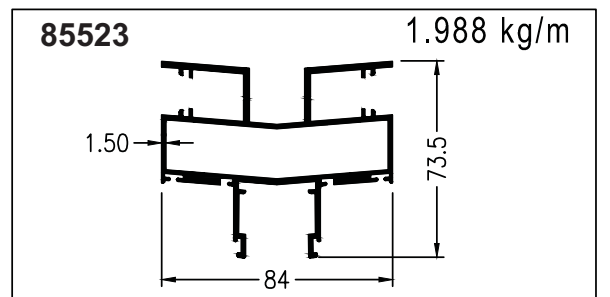
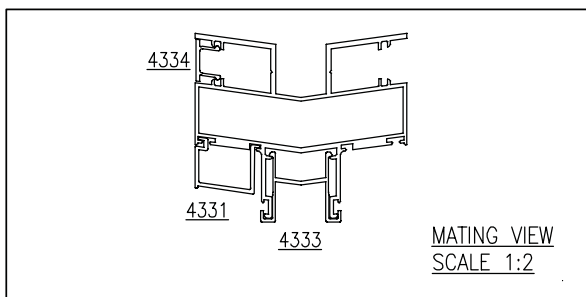
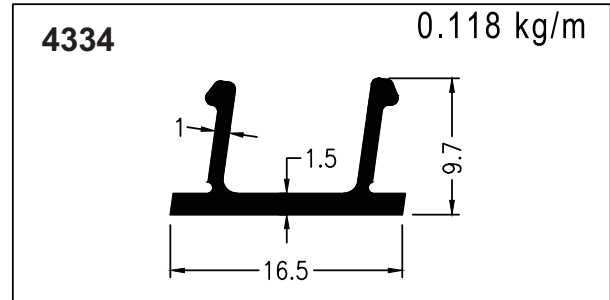
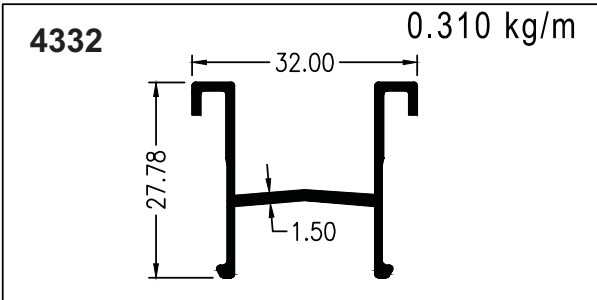
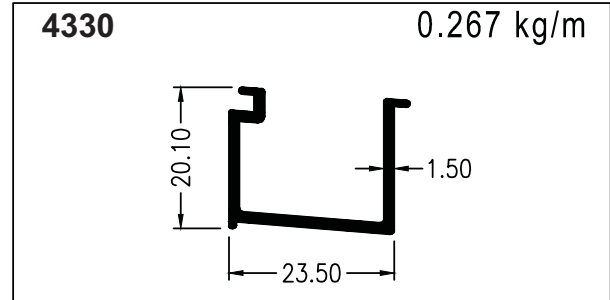
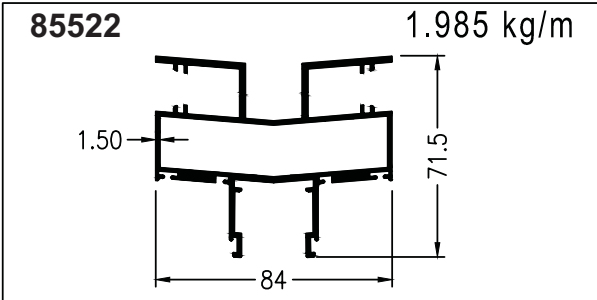
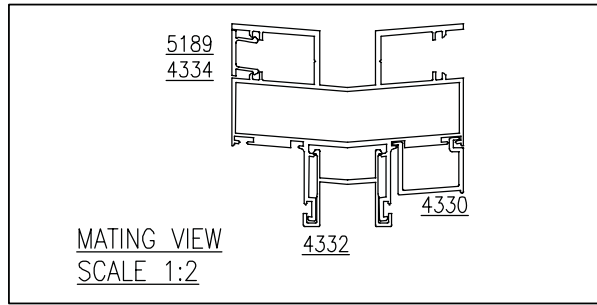
Curtain Walls

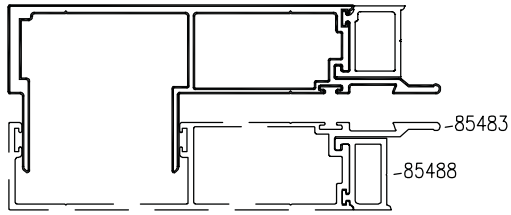




Curtain Walls



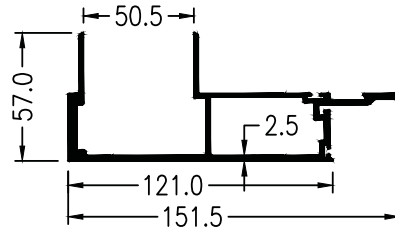




MATING VIEW SCALE 1:2

85482

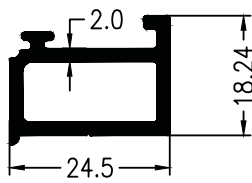
2.334 kg/m



MALE MULLION

85488

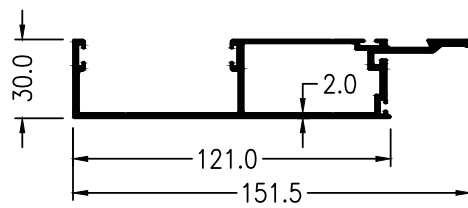
0.426 kg/m



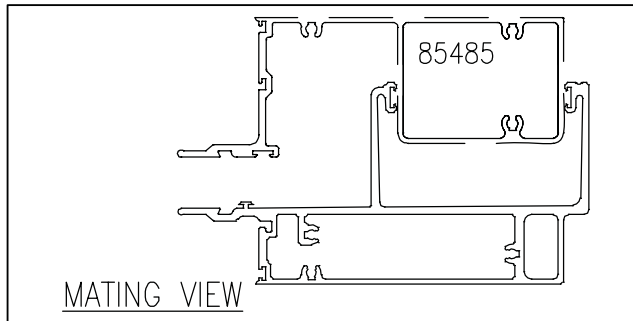
MULLION ADAPTOR

85483

1.745 kg/m



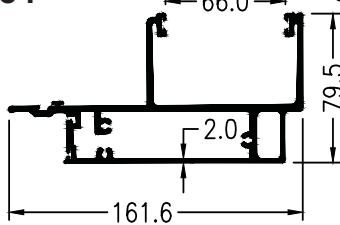
FEMALE MULLION



MATING VIEW

85484

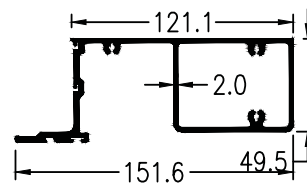
3.89 kg/m



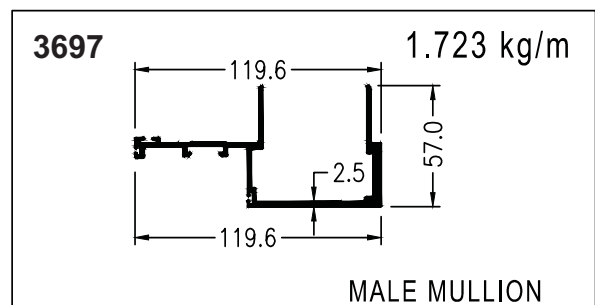
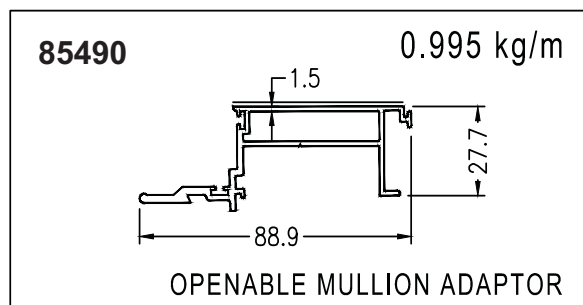
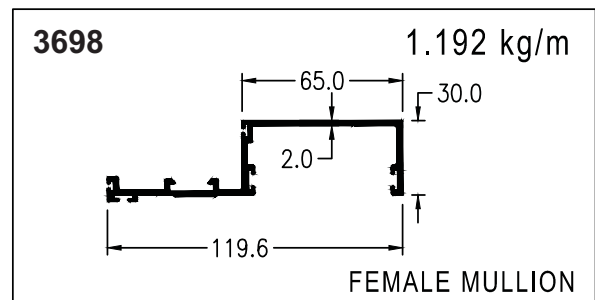
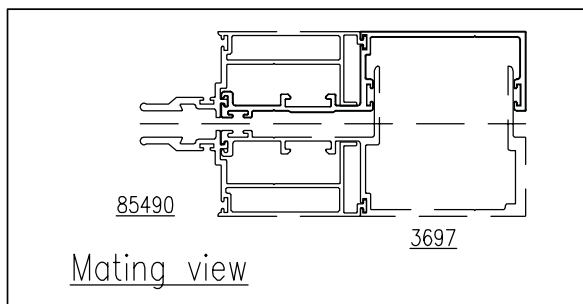
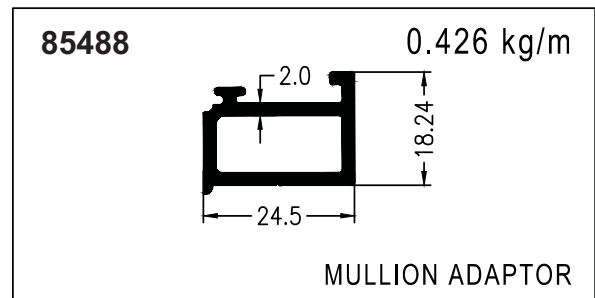
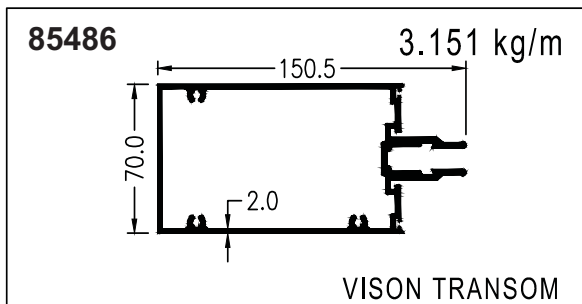
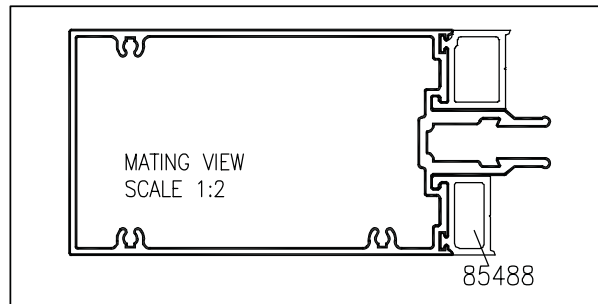
FEMALE MULLION

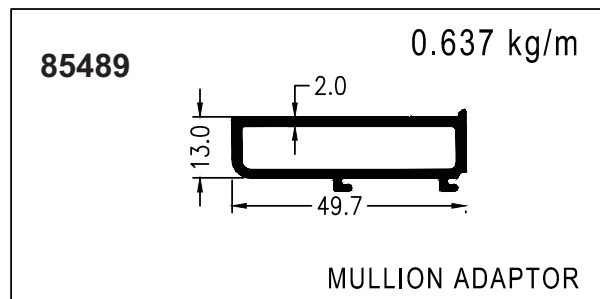
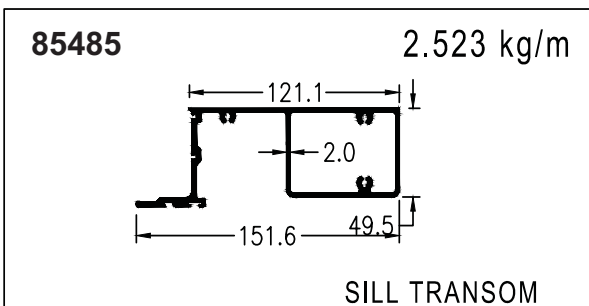
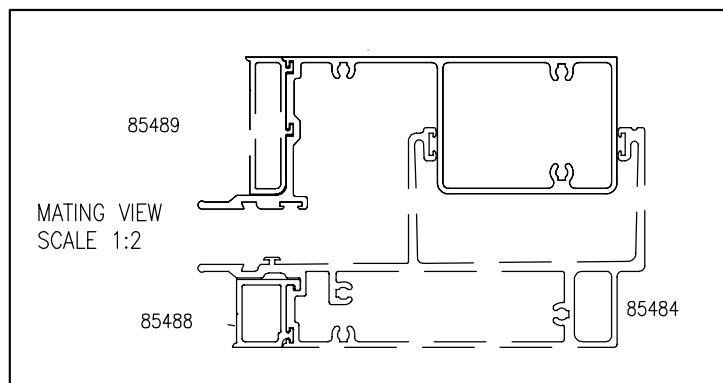
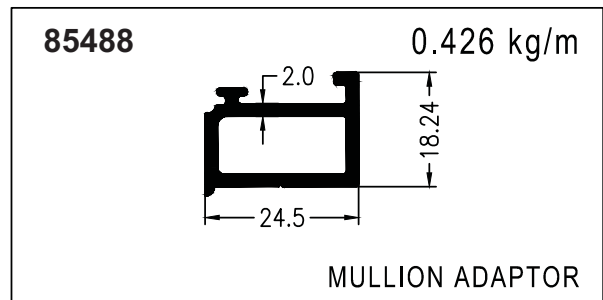
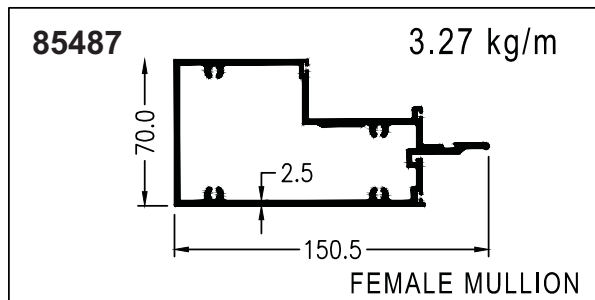
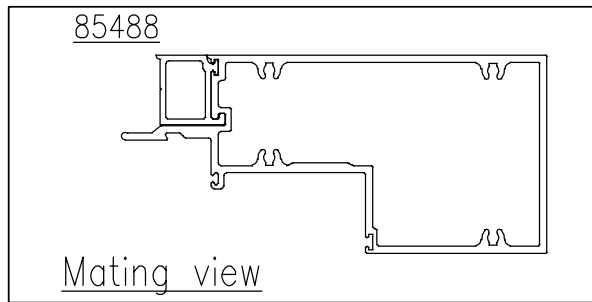
85485

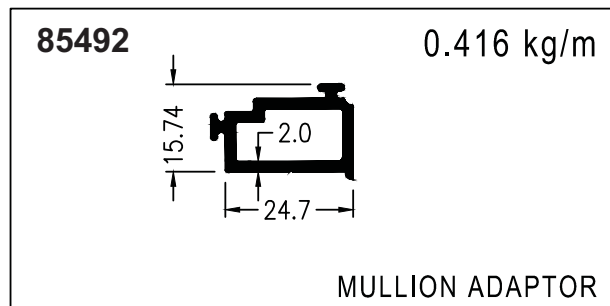
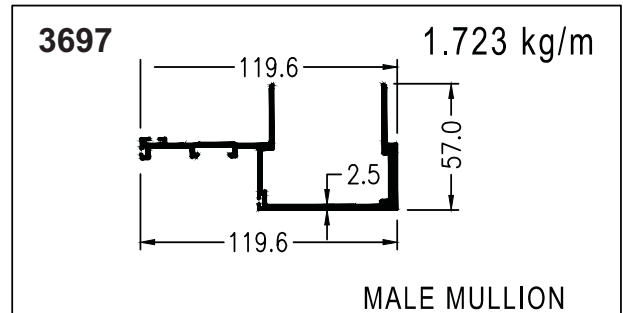
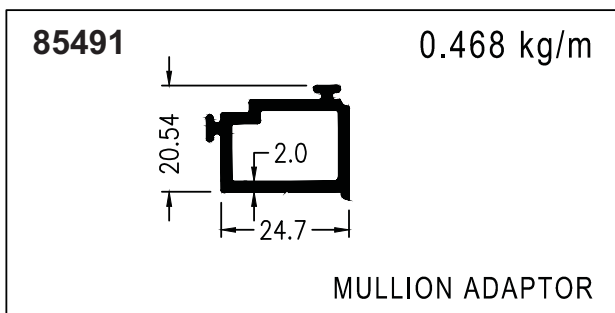
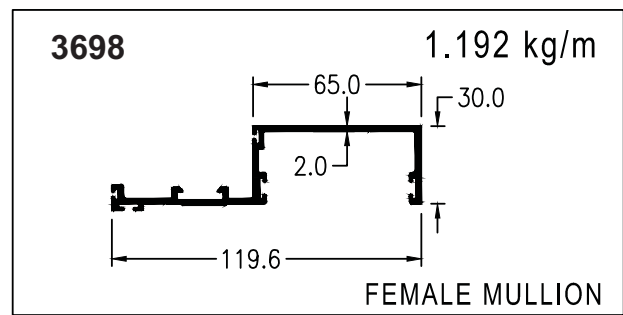
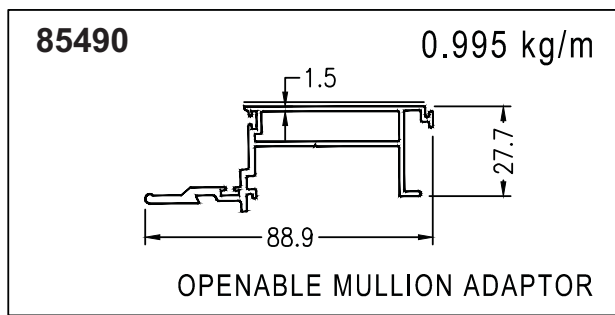
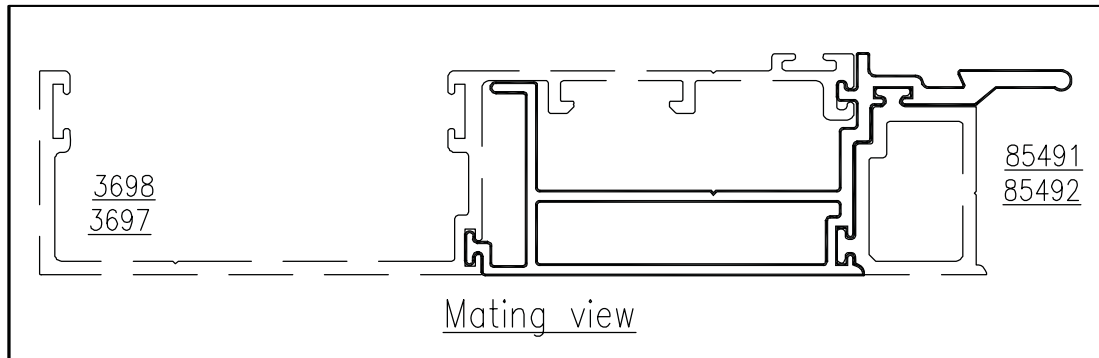
2.523 kg/m

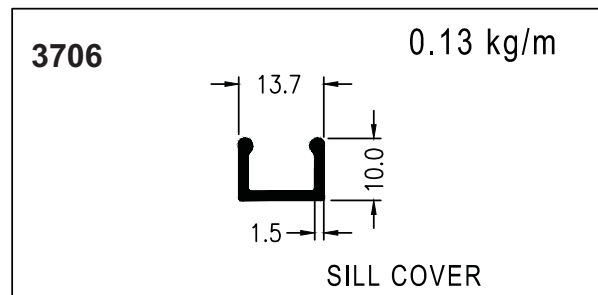
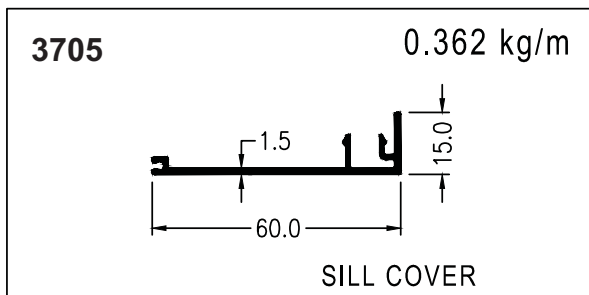
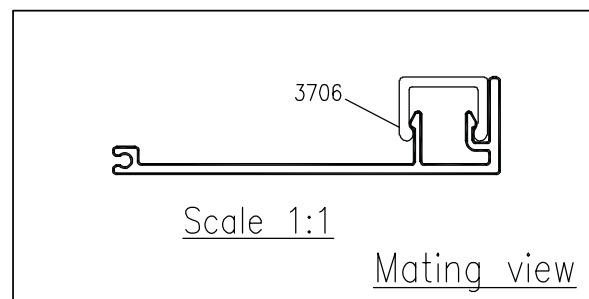
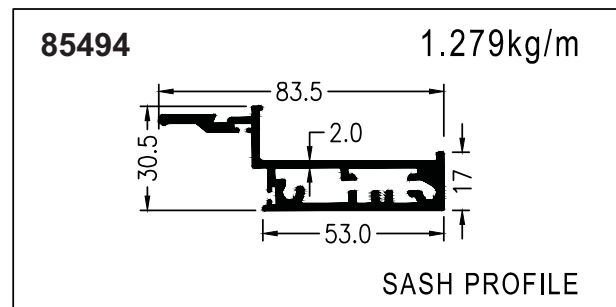
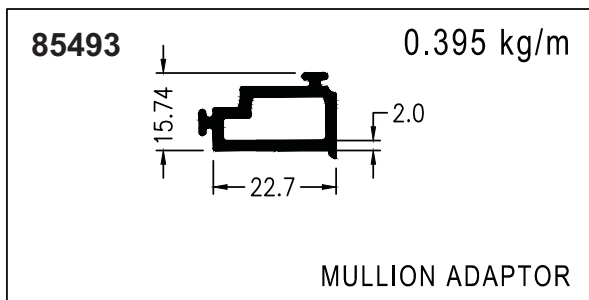
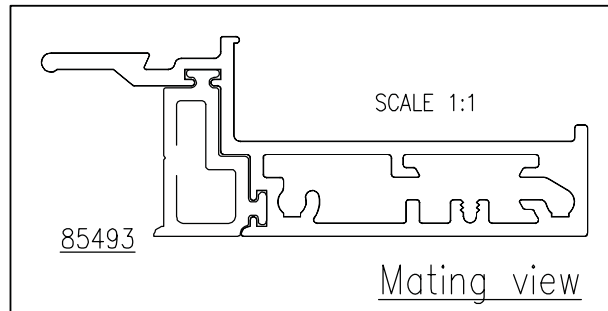


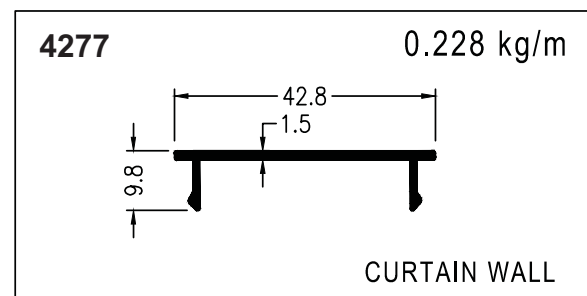
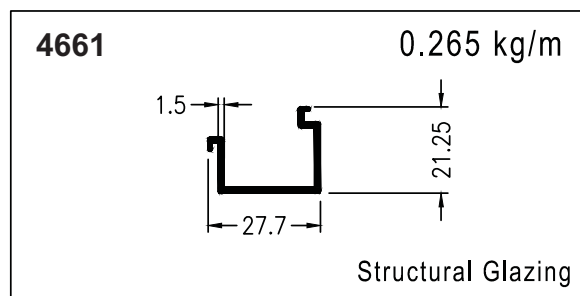
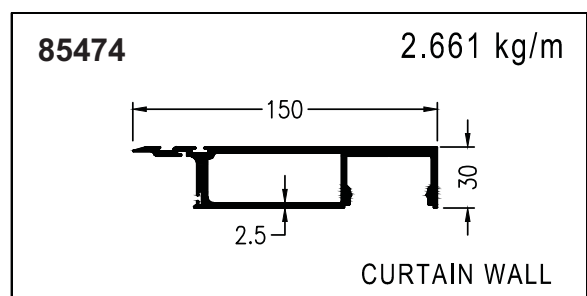
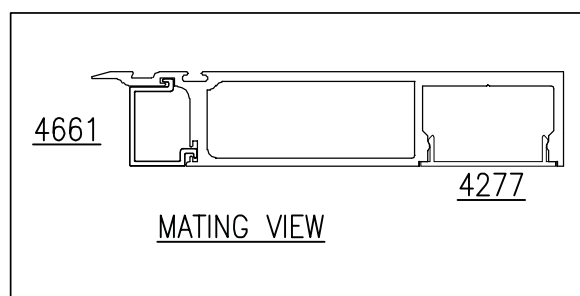
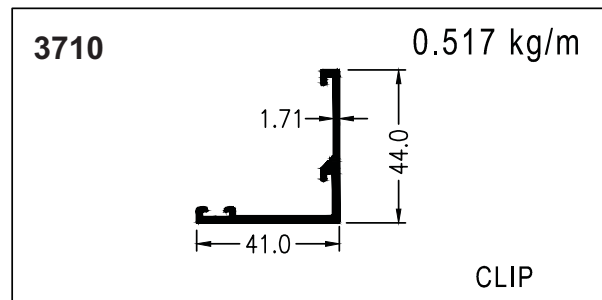
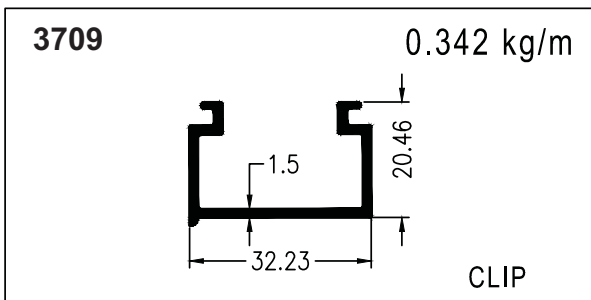
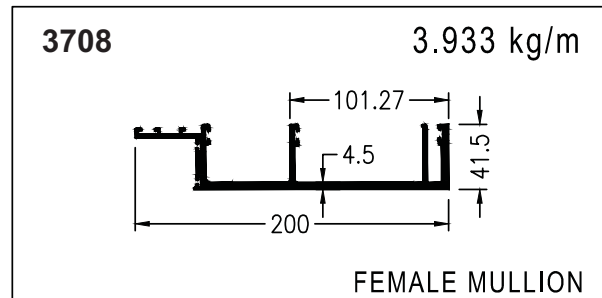
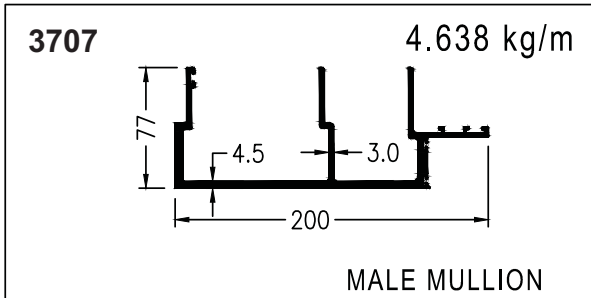
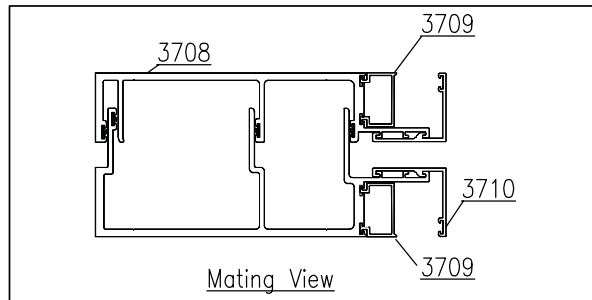
SILL TRANSOM

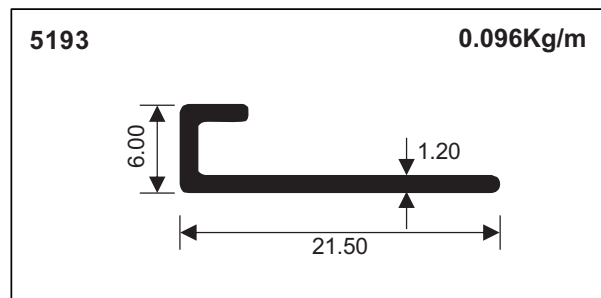
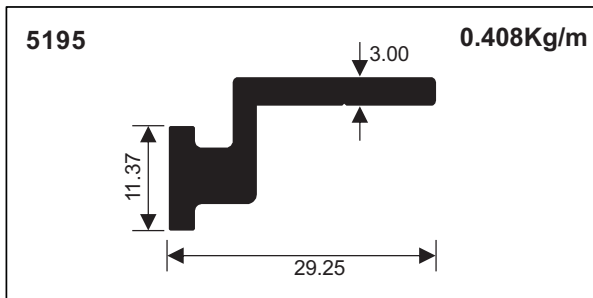
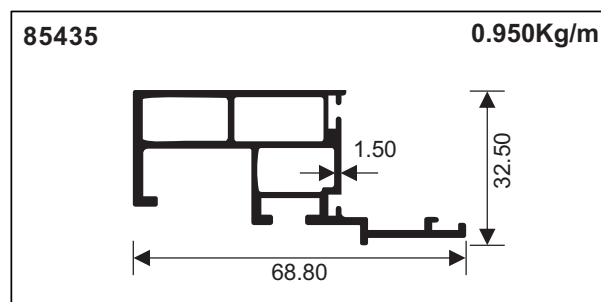
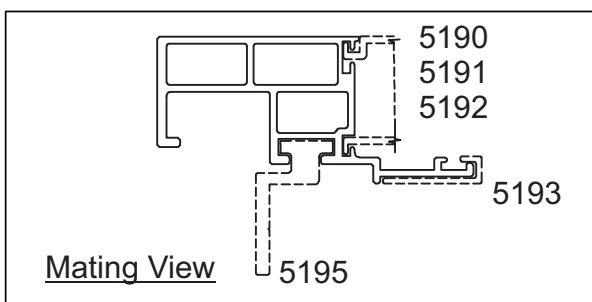
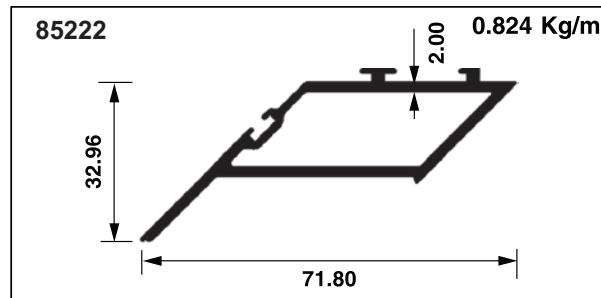
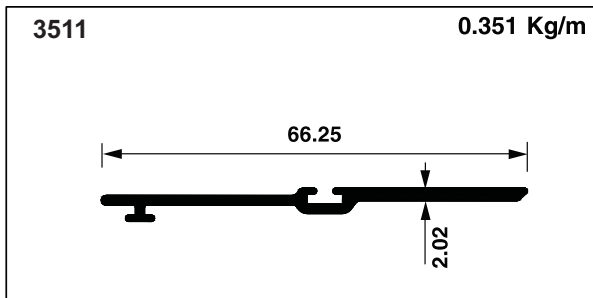
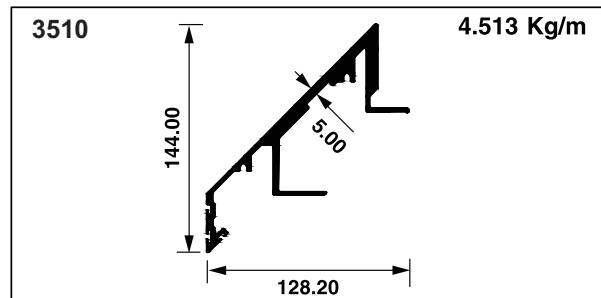
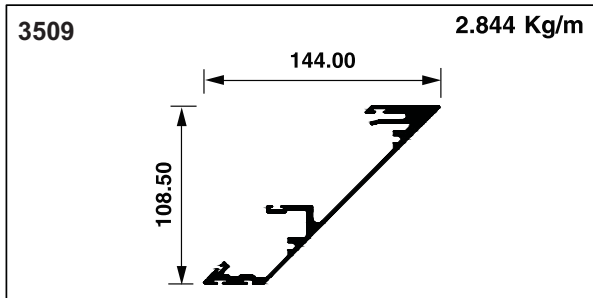
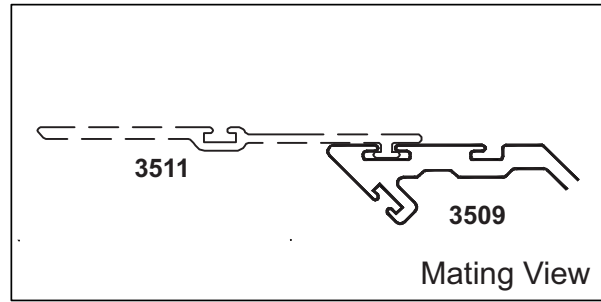
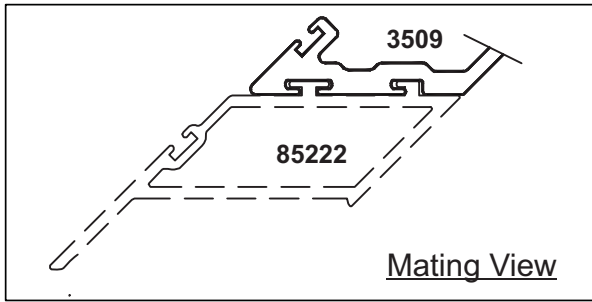




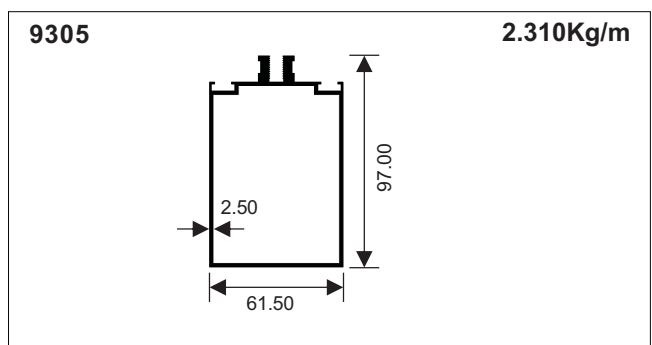
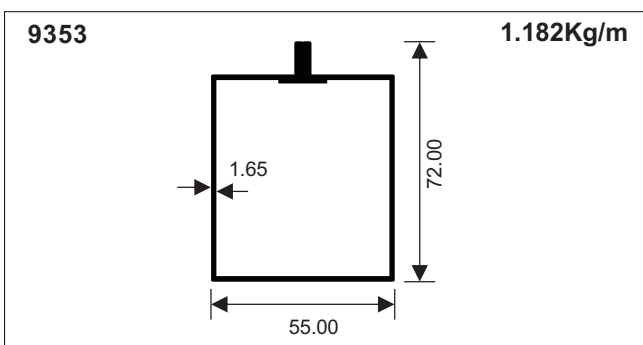
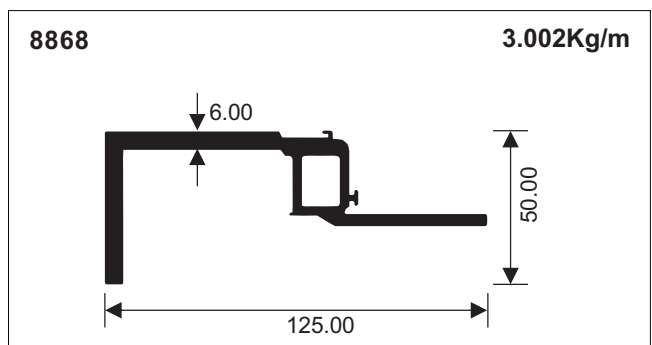
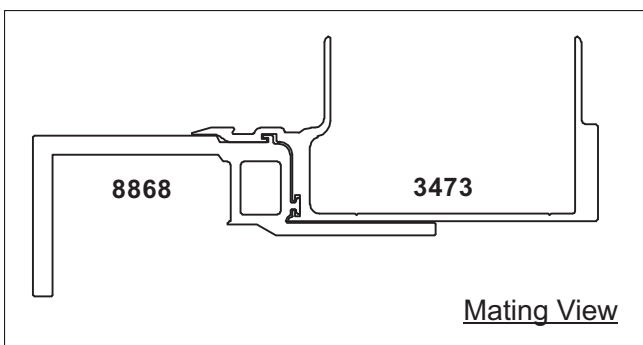
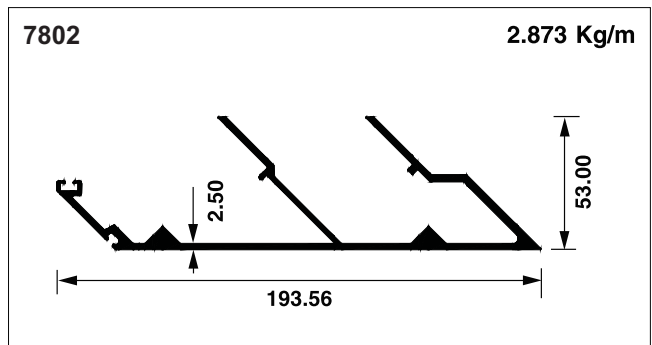
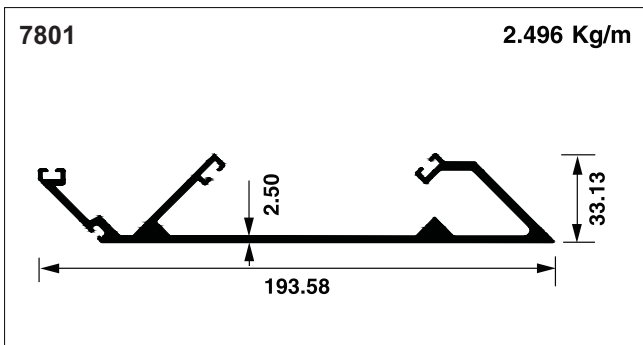
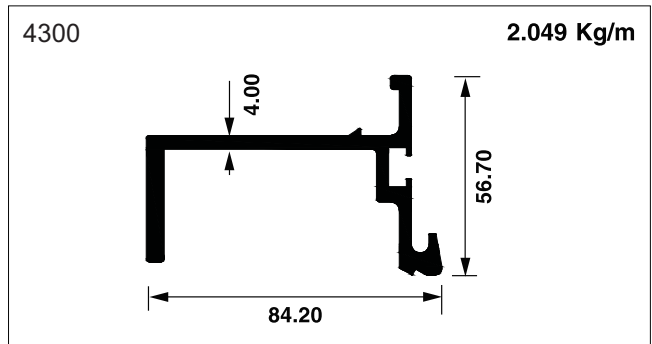
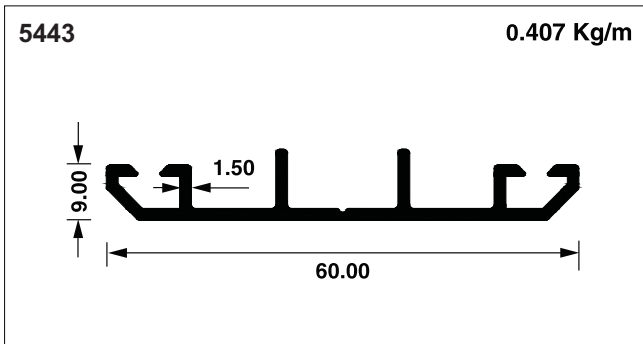
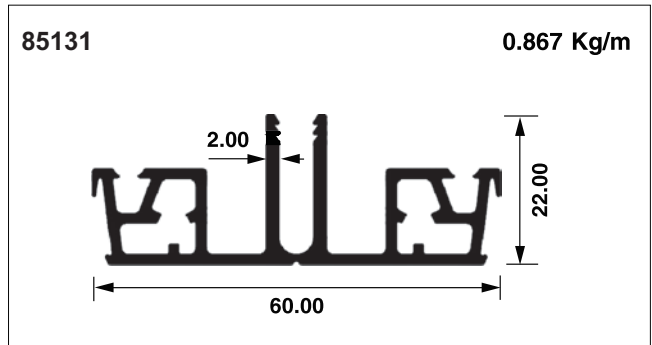
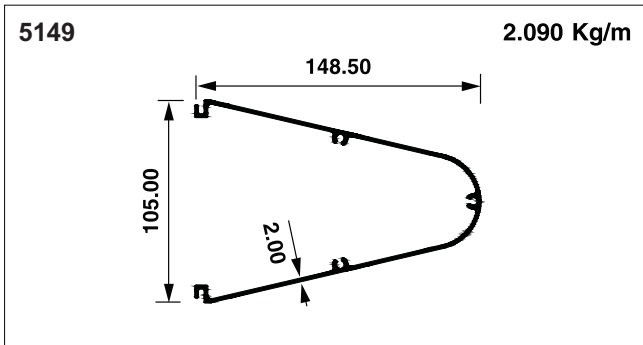








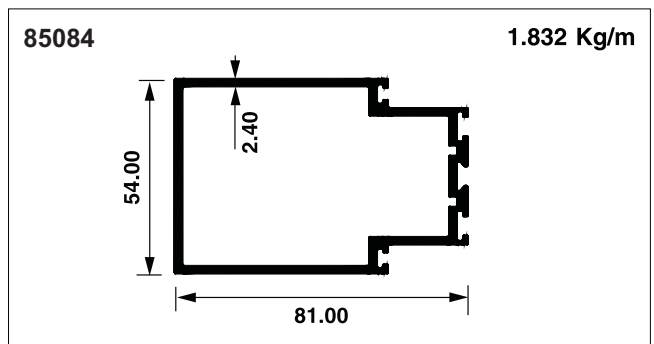
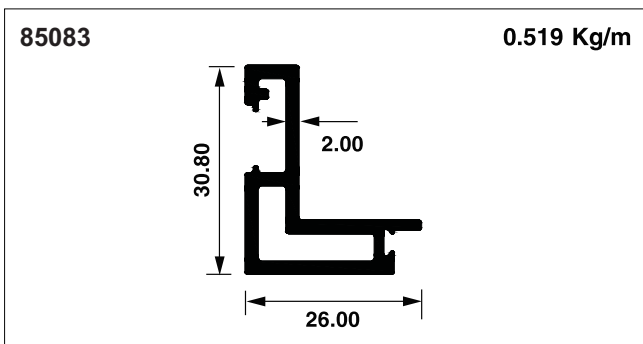
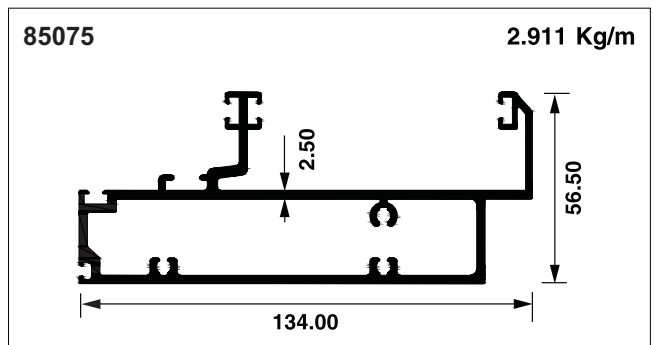
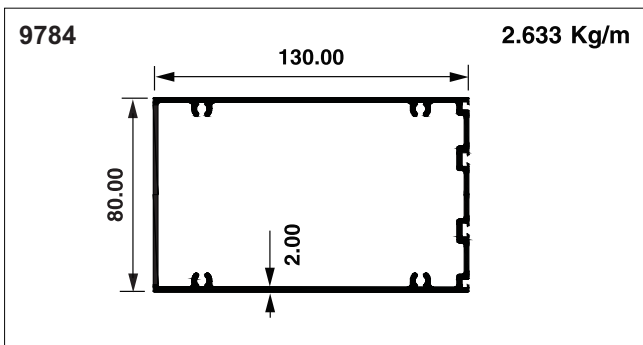
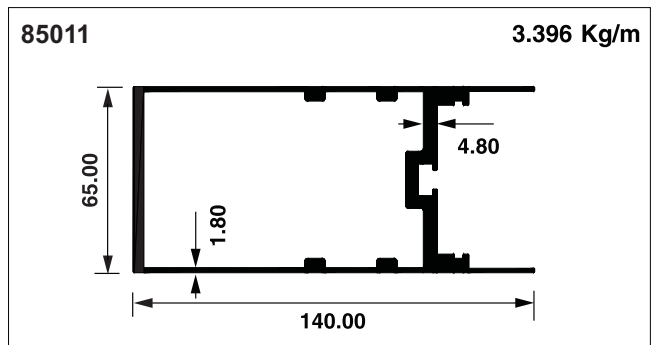
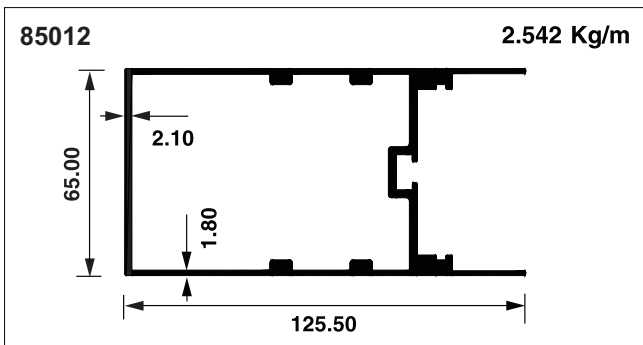
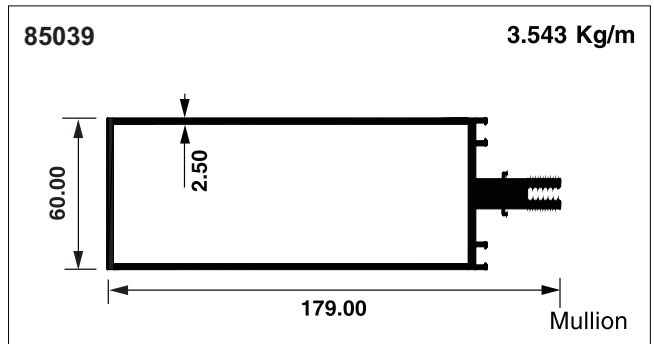
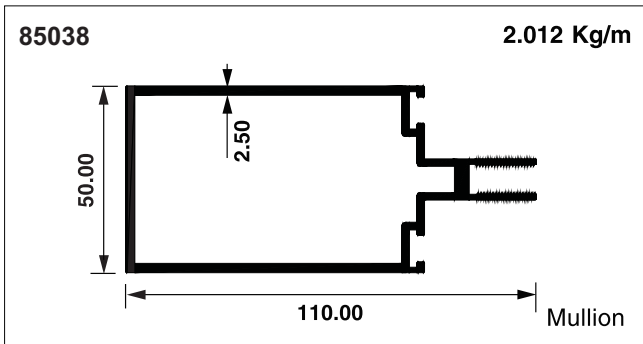
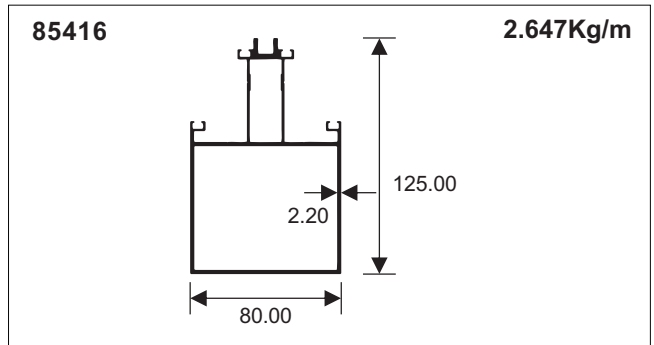
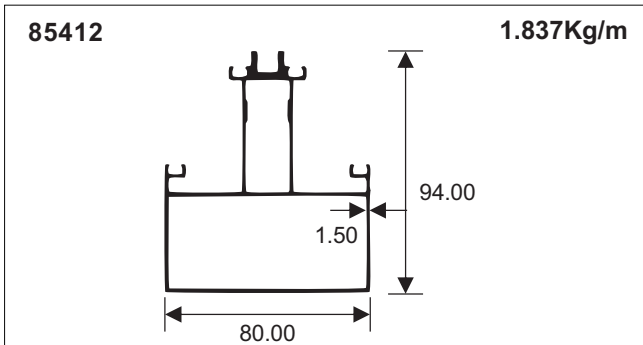
Curtain Walls





Curtain Walls

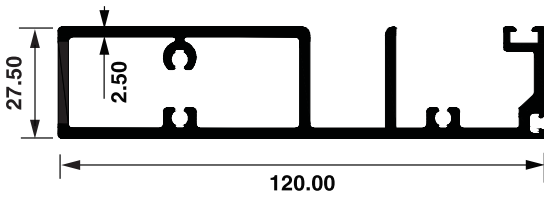
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<p>85206 1.901 Kg/m</p> <p>38.50 131.00 2.00 Mullion</p>	<p>85025 1.138 Kg/m</p> <p>56.48 83.00 1.50</p>
<p>85026 1.447 Kg/m</p> <p>60.00 57.00 2.00 Mullion</p>	<p>85027 1.860 Kg/m</p> <p>60.00 77.00 2.50 Mullion</p>
<p>85028 1.931 Kg/m</p> <p>42.00 132.00 2.00 Mullion</p>	<p>85029 2.636 Kg/m</p> <p>60.00 132.00 2.50 Mullion</p>
<p>85161 2.867 Kg/m</p> <p>60.00 152.00 2.50 Mullion</p>	<p>85247 2.735 Kg/m</p> <p>75.52 143.50 2.00</p>



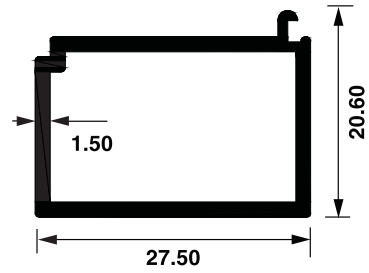


Curtain Walls

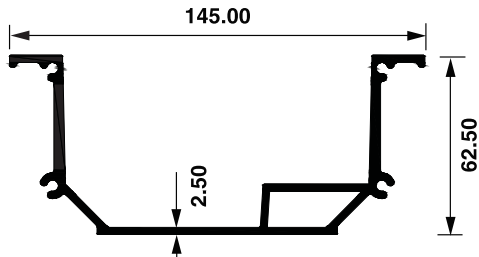
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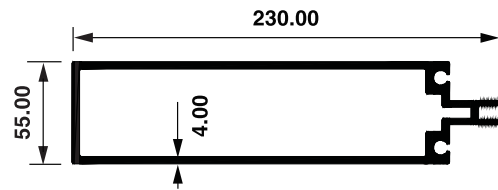
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85125 2.421 Kg/m

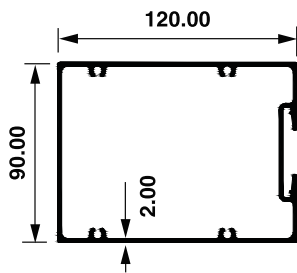


9798 6.204 Kg/m

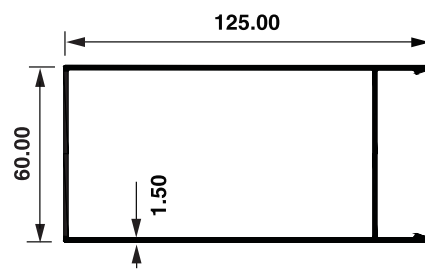


Mullion

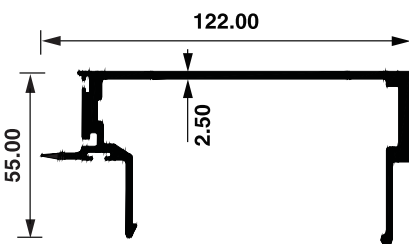
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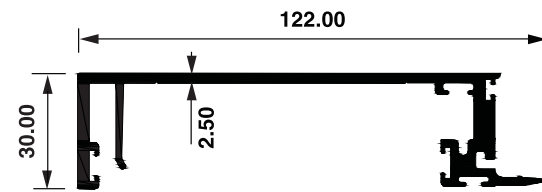
85152 1.496 Kg/m



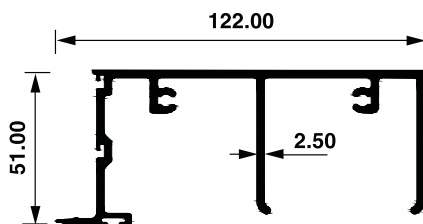
3468 1.932 Kg/m



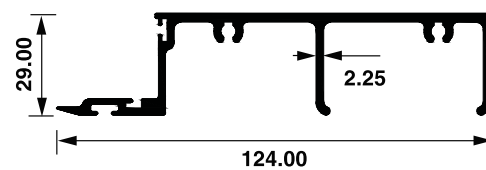
3469 1.665 Kg/m

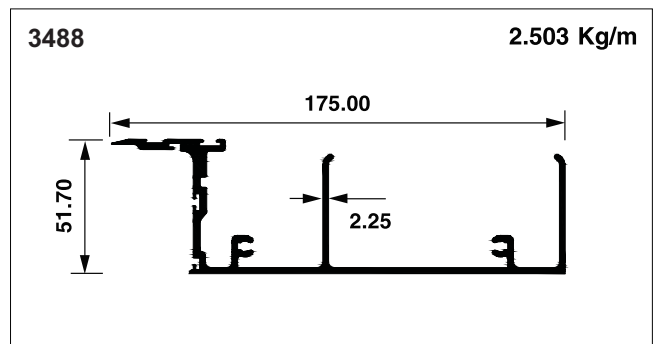
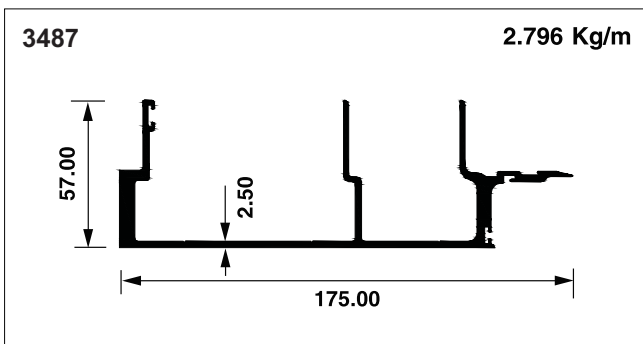
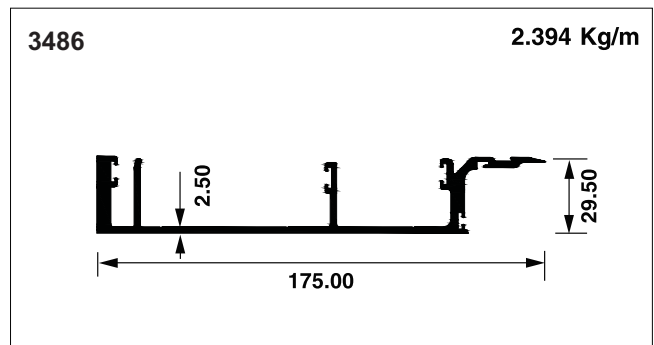
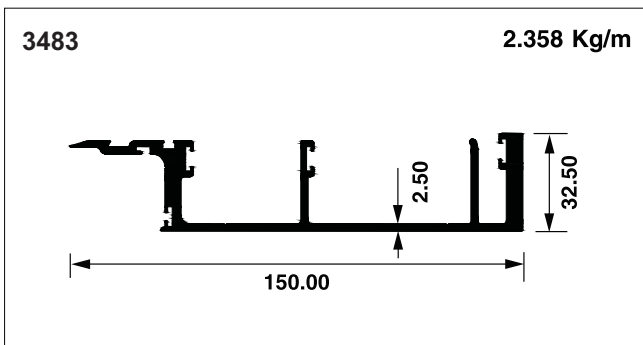
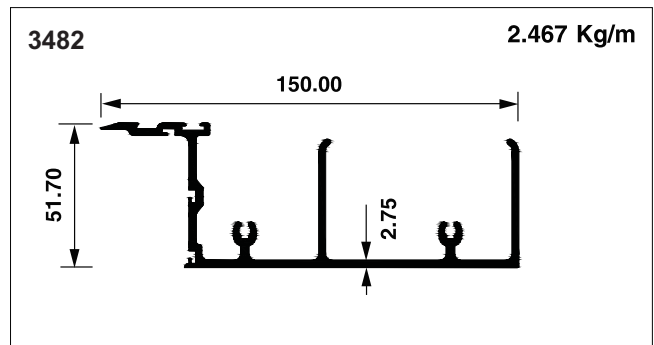
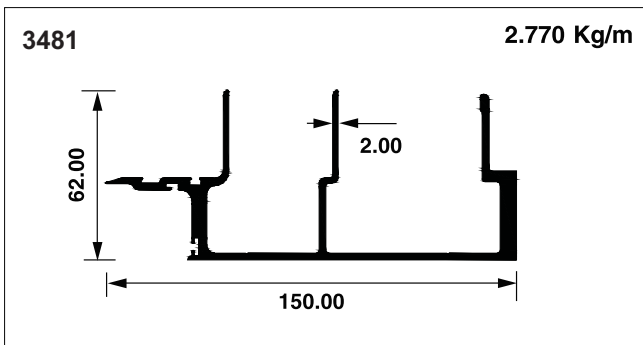
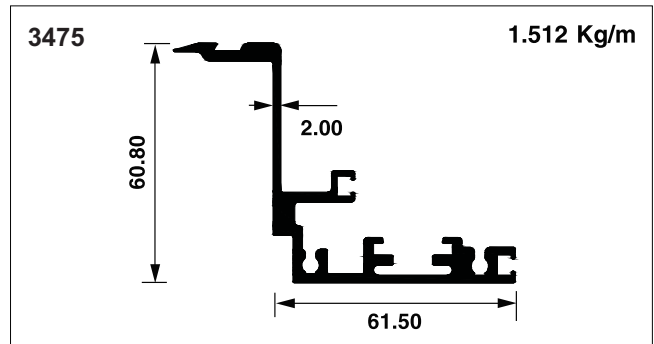
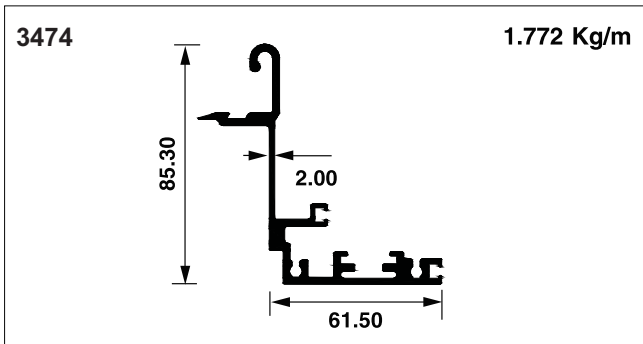
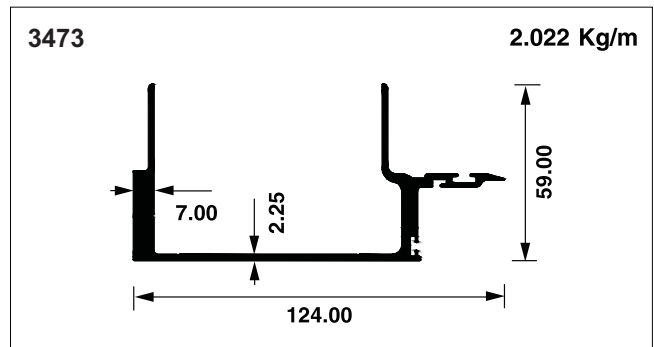
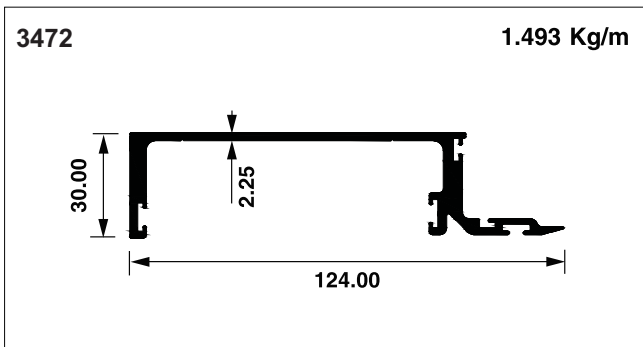


3470 2.150 Kg/m



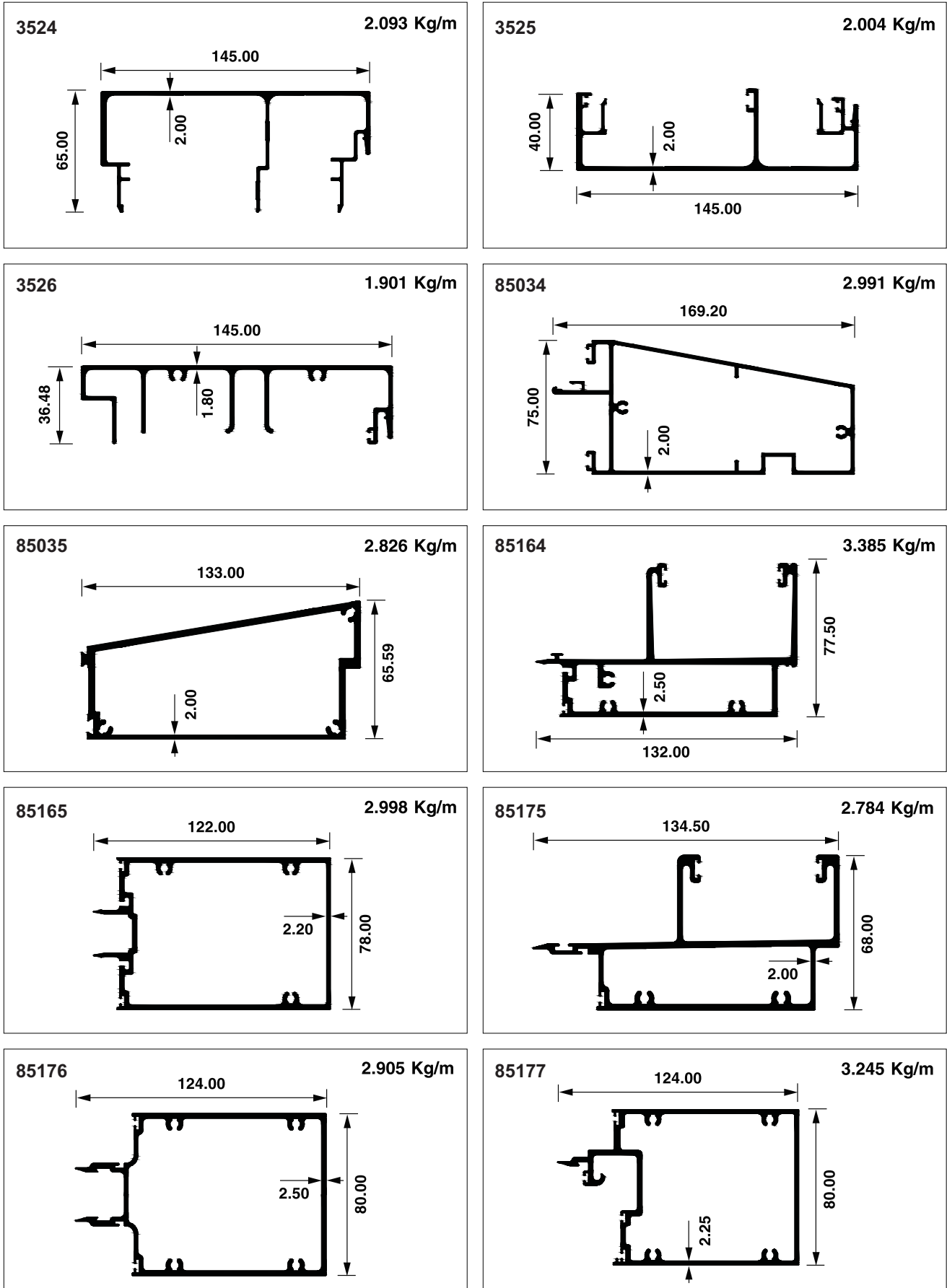
3471 1.496 Kg/m

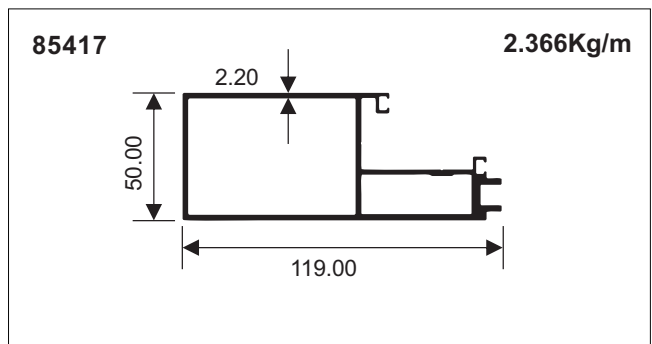
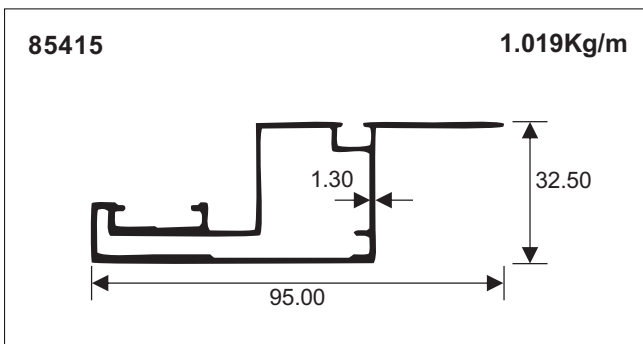
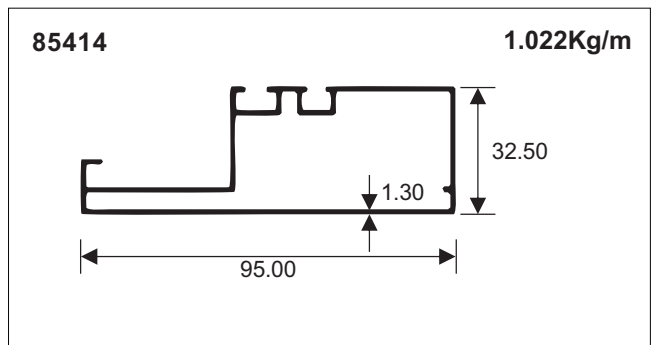
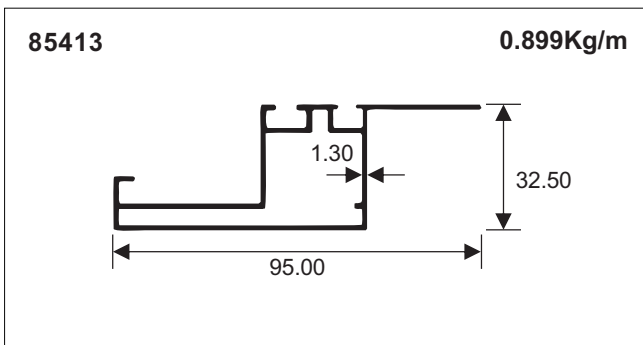
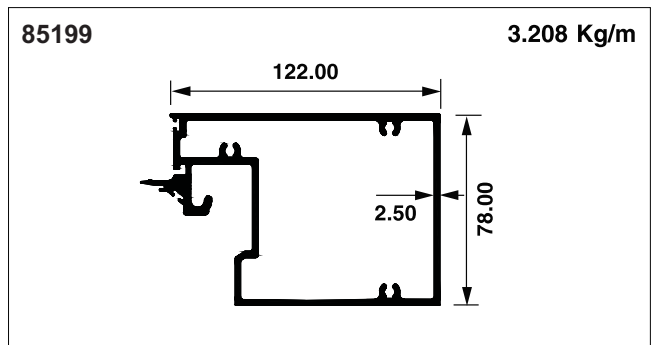
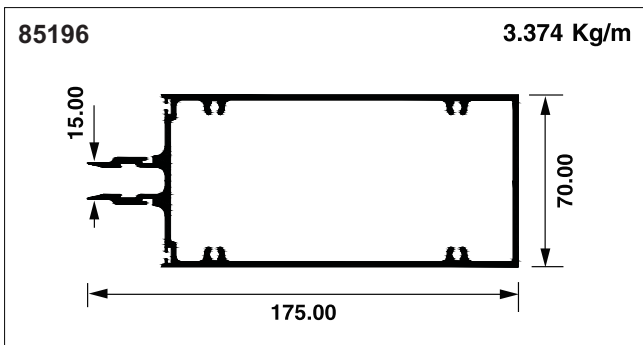
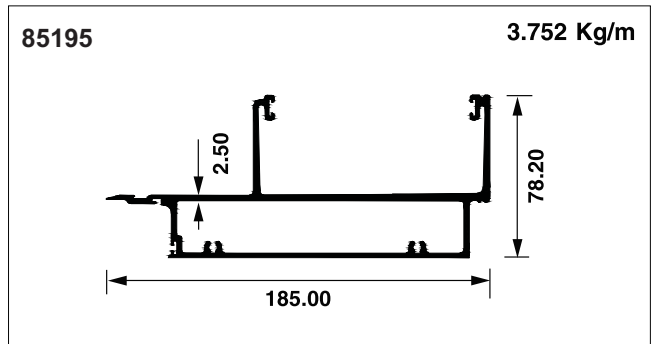
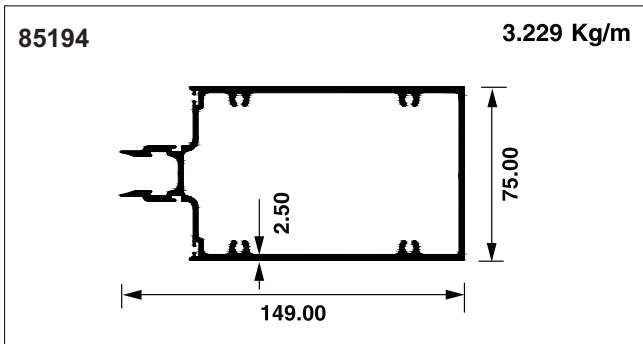
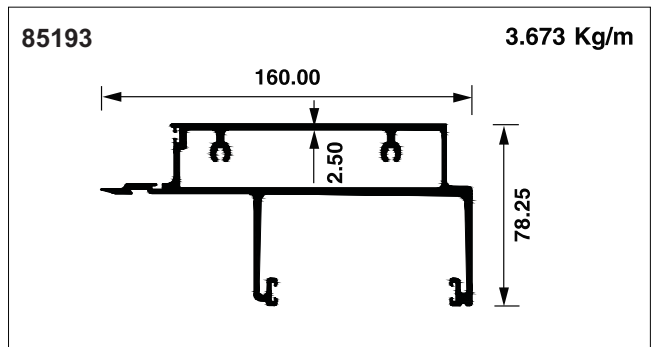
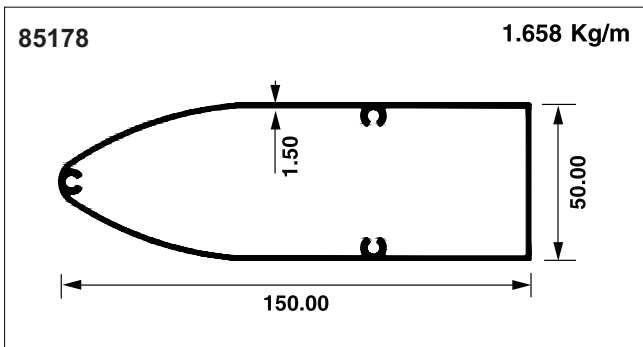






Curtain Walls



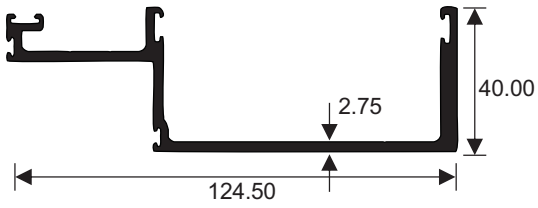




Curtain Walls

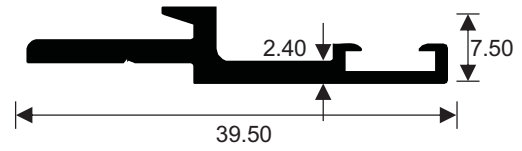
3346

1.739Kg/m



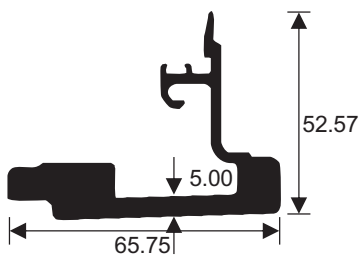
3347

0.305Kg/m



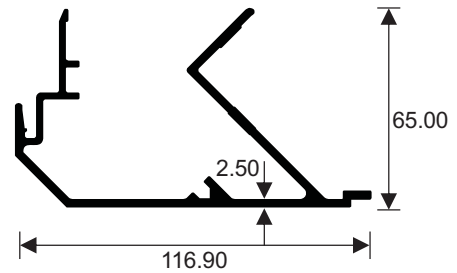
3349

2.004Kg/m



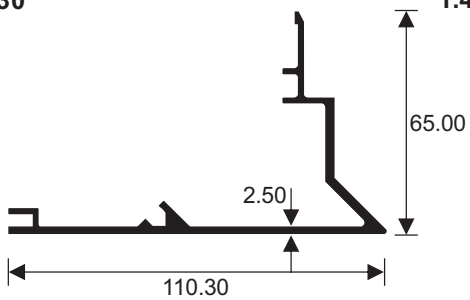
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2.058Kg/m



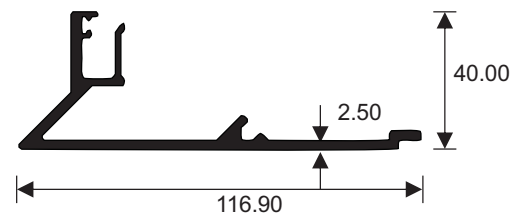
3530

1.494Kg/m



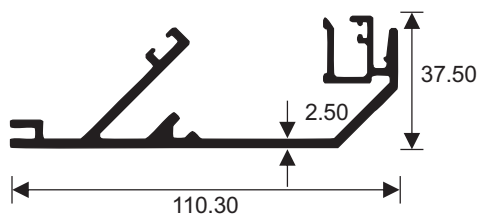
3531

1.449Kg/m



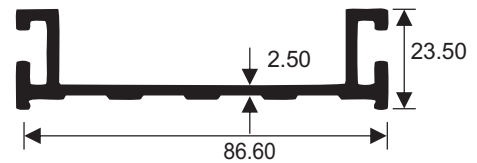
3532

1.644Kg/m



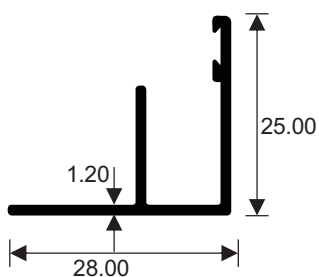
3545

1.266Kg/m



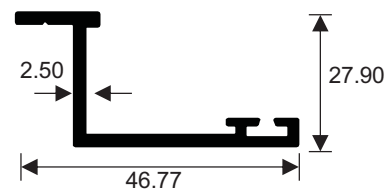
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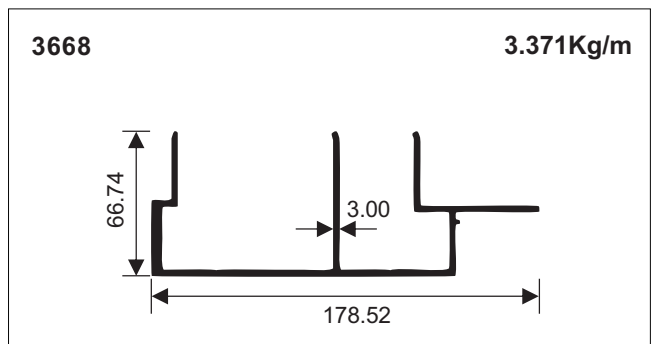
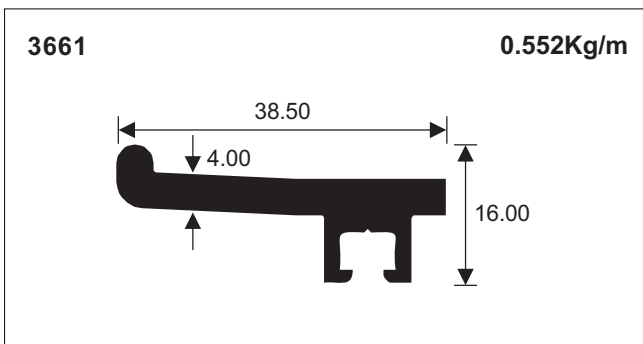
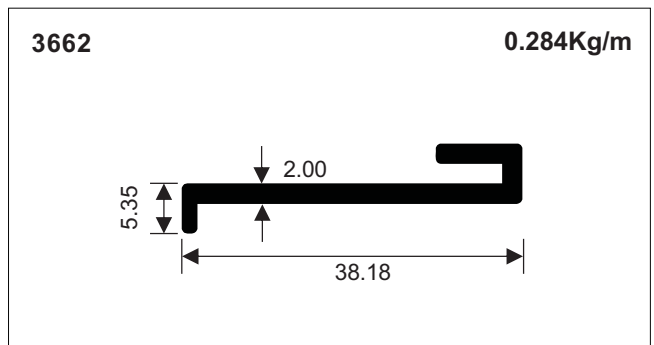
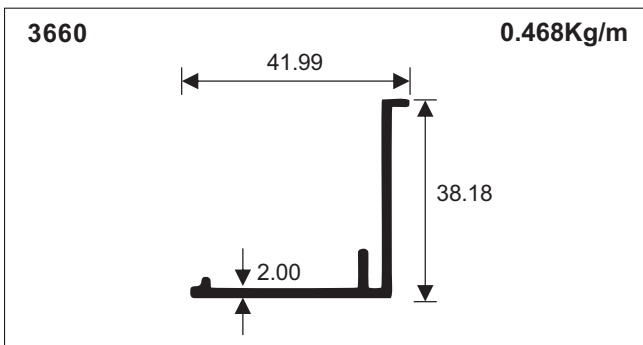
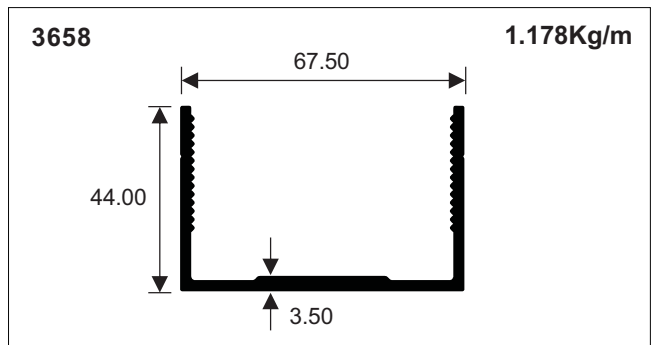
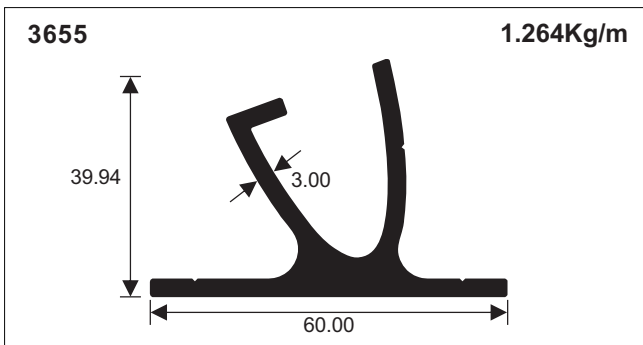
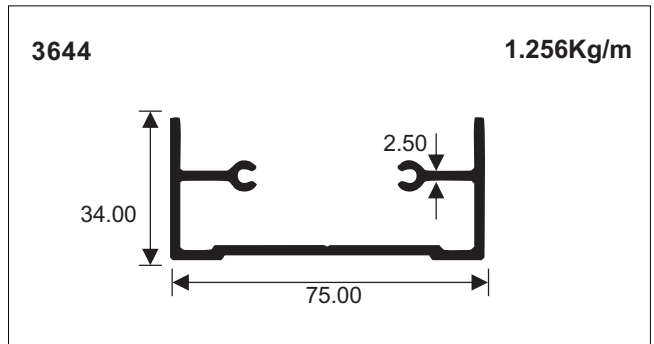
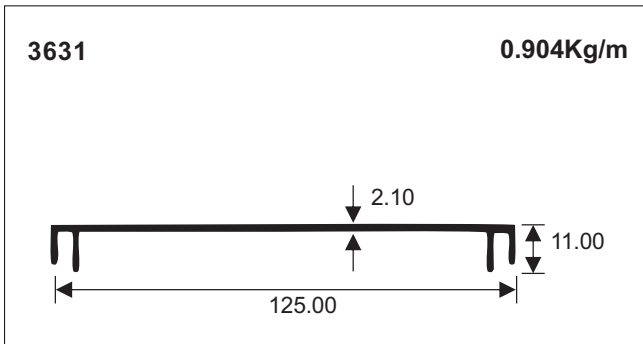
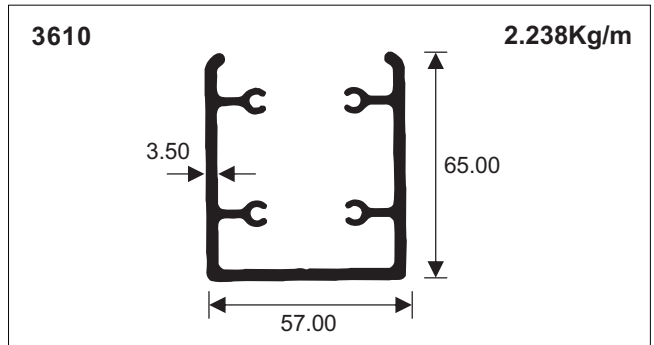
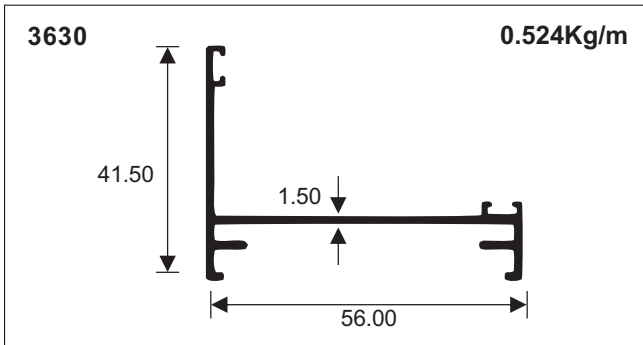
0.227Kg/m



3605

0.647Kg/m

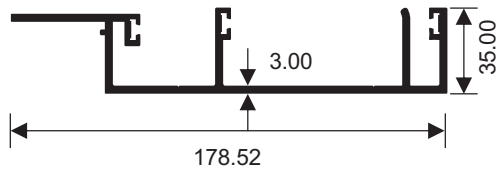




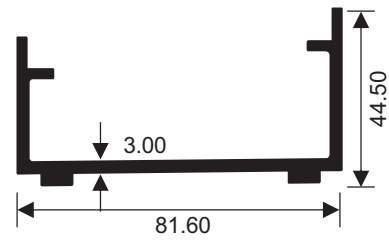


Curtain Walls

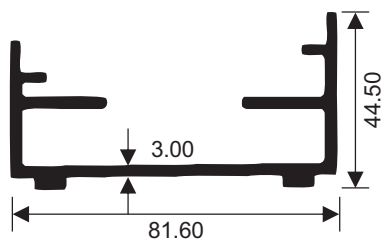
3669 **2.784Kg/m**



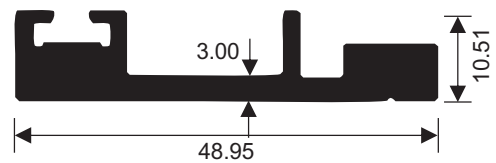
3670 **1.413Kg/m**



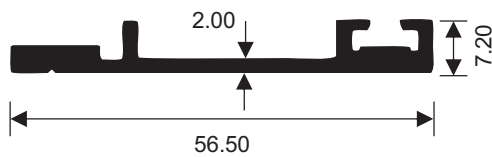
3671 **1.752Kg/m**



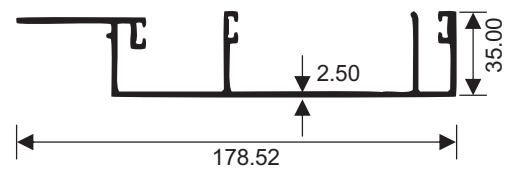
3672 **0.733Kg/m**



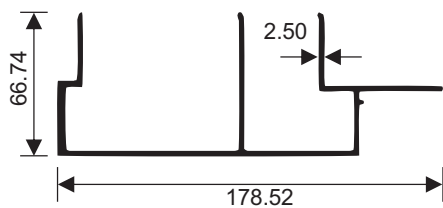
3673 **0.496Kg/m**



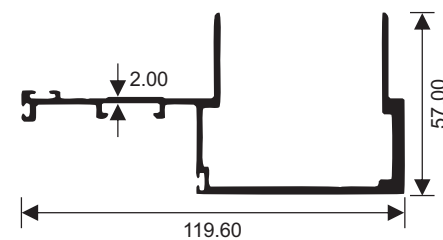
3674 **2.401Kg/m**



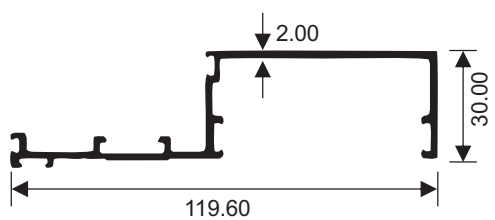
3676 **2.824Kg/m**



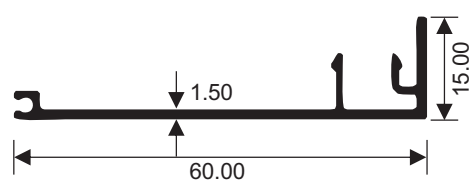
3697 **1.723Kg/m**



3698 **1.192Kg/m**



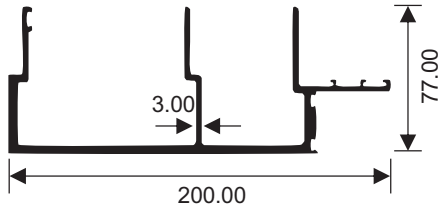
3705 **0.362Kg/m**





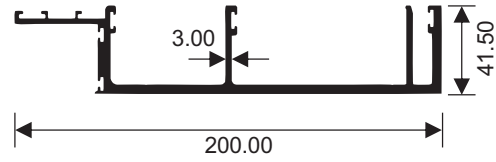
3707

4.638Kg/m



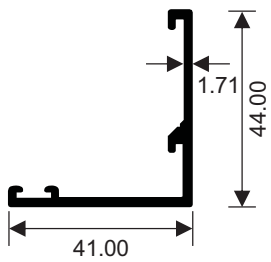
3708

3.933Kg/m



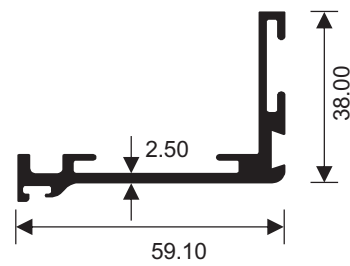
3710

0.517Kg/m



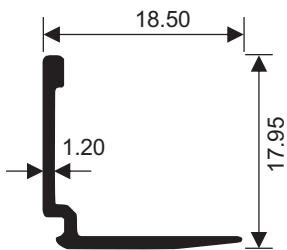
4167

0.958Kg/m



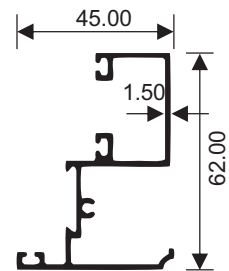
4060

0.116Kg/m



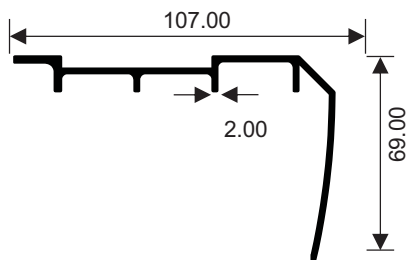
4164

0.865Kg/m



4109

1.147Kg/m

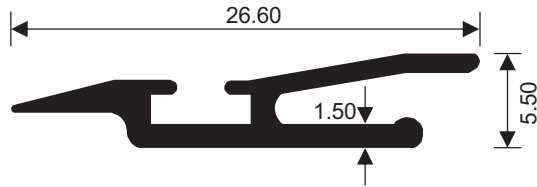




Curtain Walls

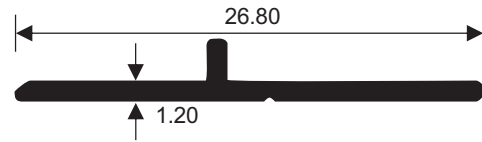
4184

0.160Kg/m



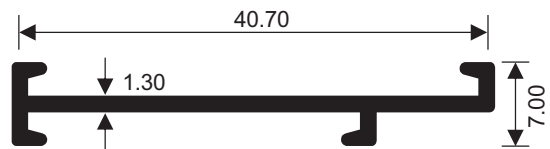
4201

0.093Kg/m



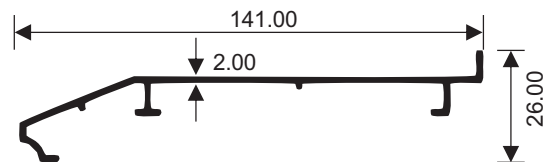
4203

0.200Kg/m



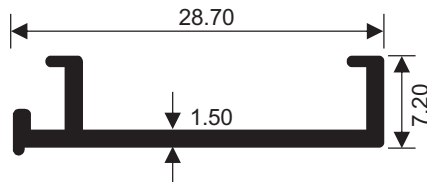
4208

1.104Kg/m



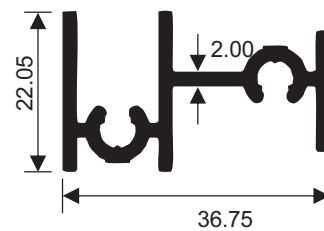
4230

0.177Kg/m



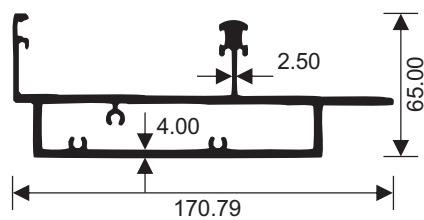
4246

0.596Kg/m



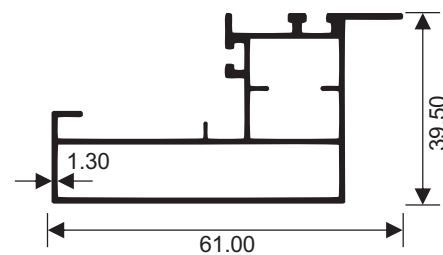
85421

4.776Kg/m



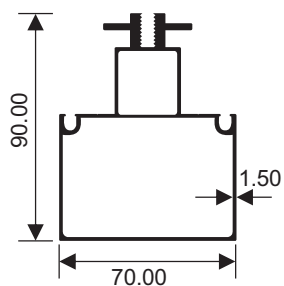
9659

0.975Kg/m



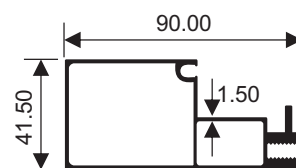
9682

1.779Kg/m



9685

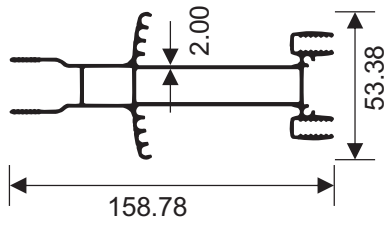
1.407Kg/m





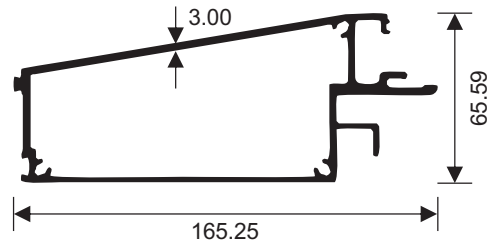
8954

3.187Kg/m



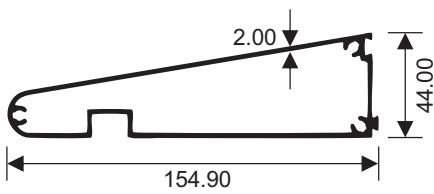
8957

3.528Kg/m



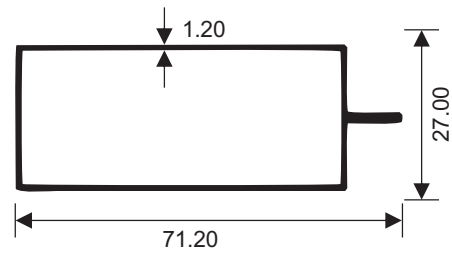
8956

2.271Kg/m



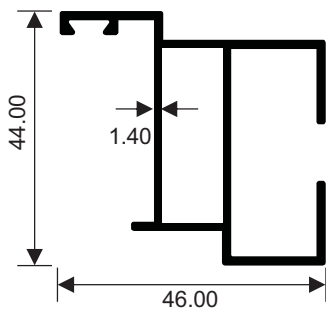
8958

0.609Kg/m



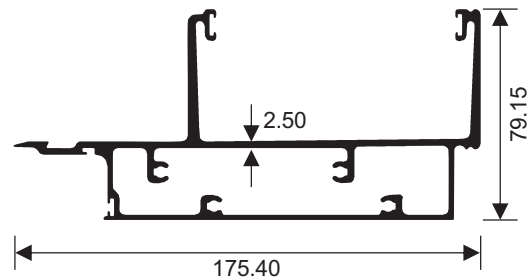
8950

1.696Kg/m



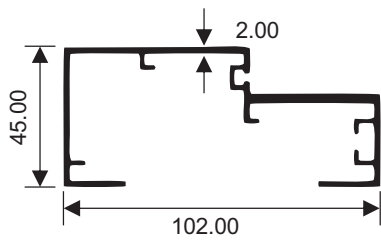
8876

3.978Kg/m



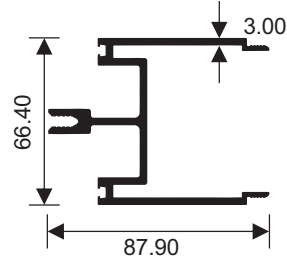
7390

1.550Kg/m



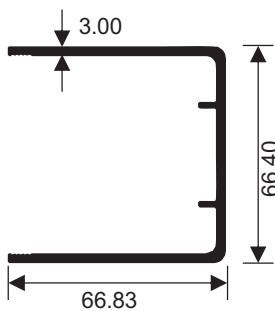
7465

2.359Kg/m



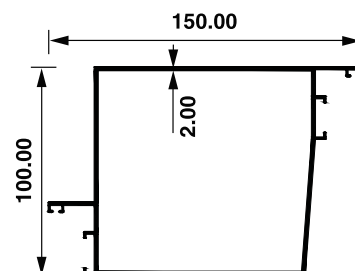
7466

1.618Kg/m



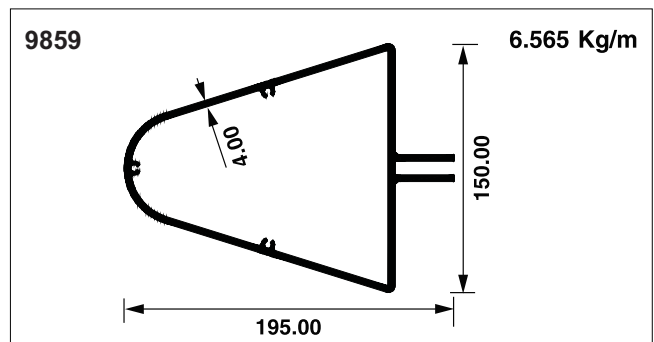
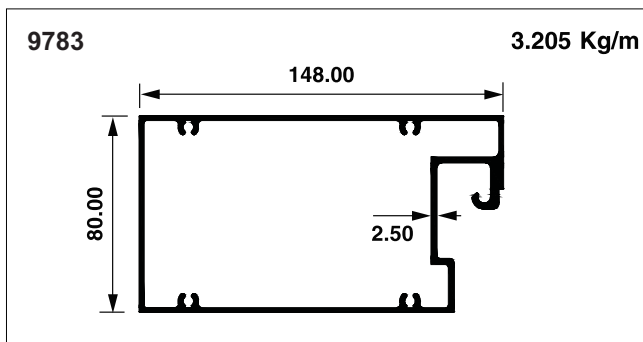
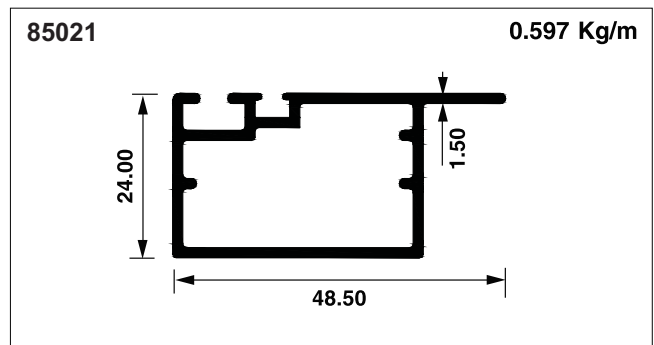
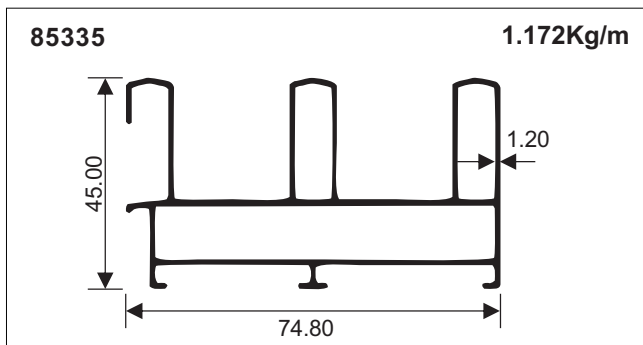
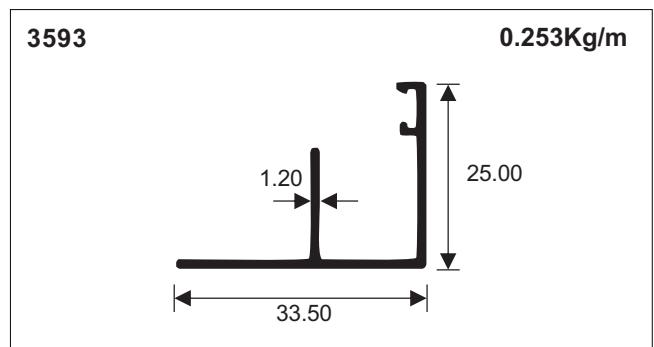
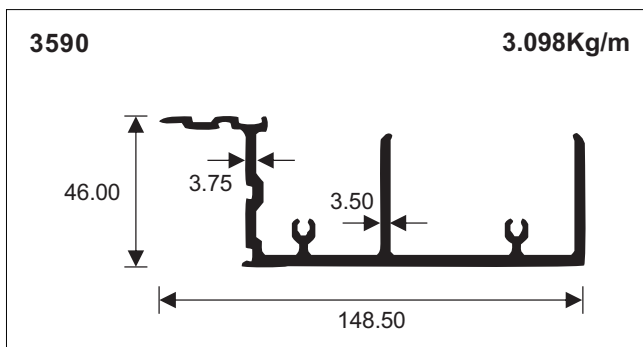
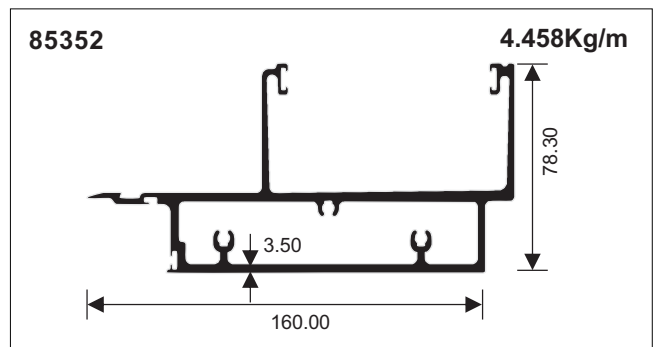
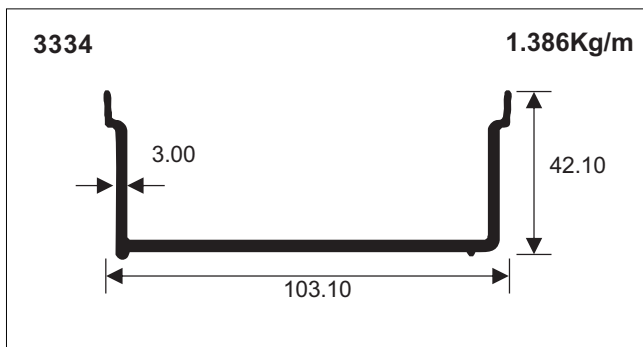
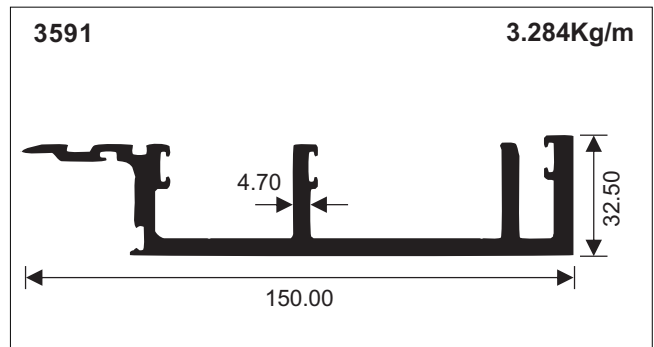
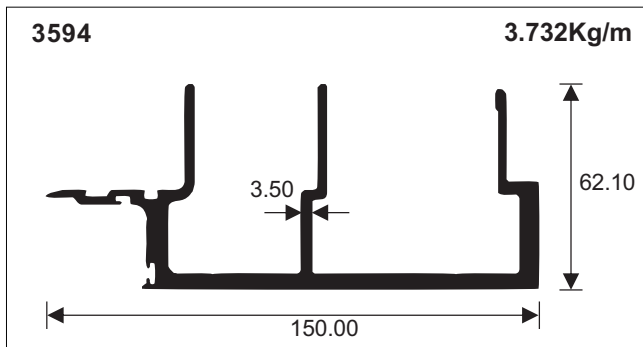
9876

2.497 Kg/m

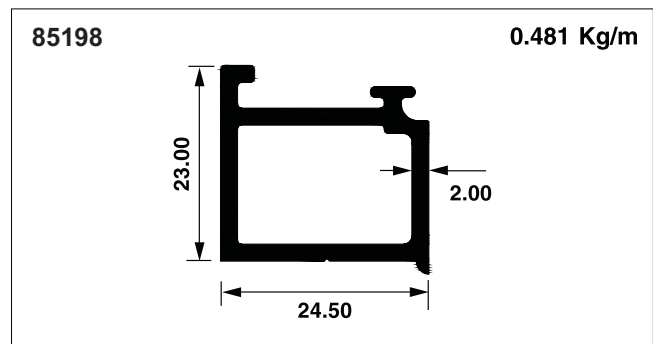
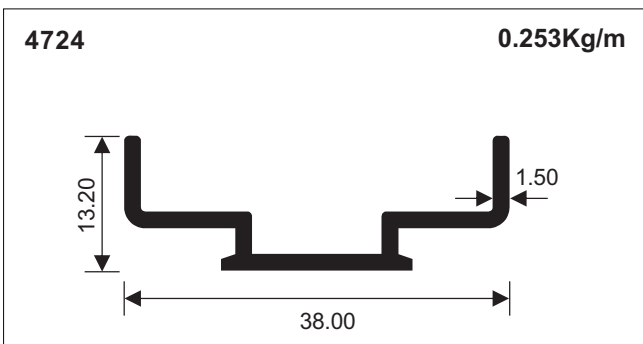
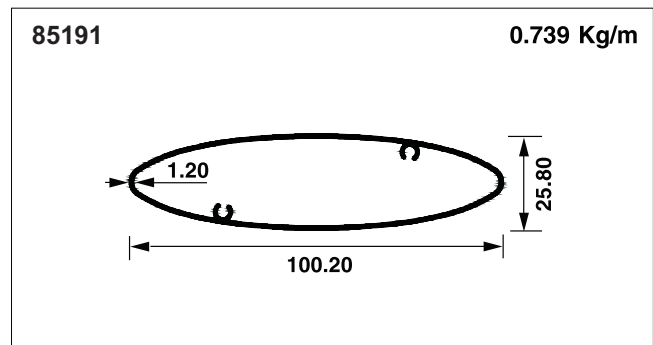
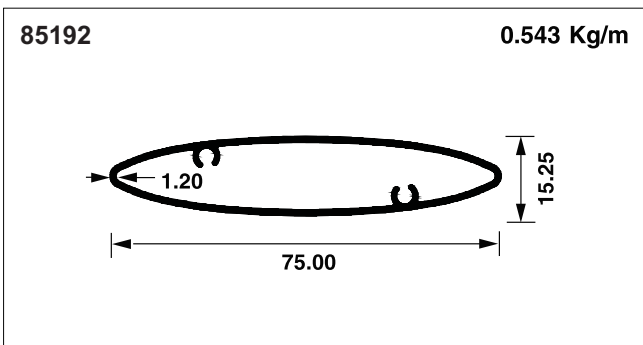
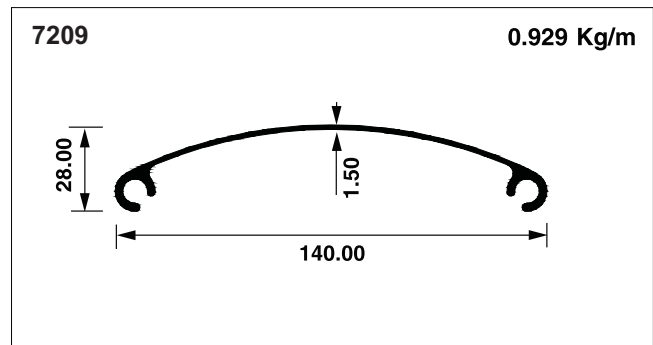
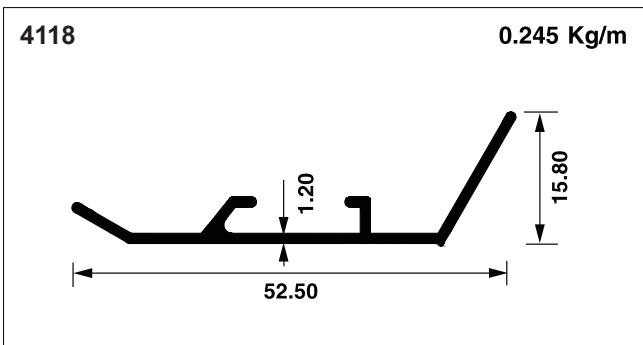
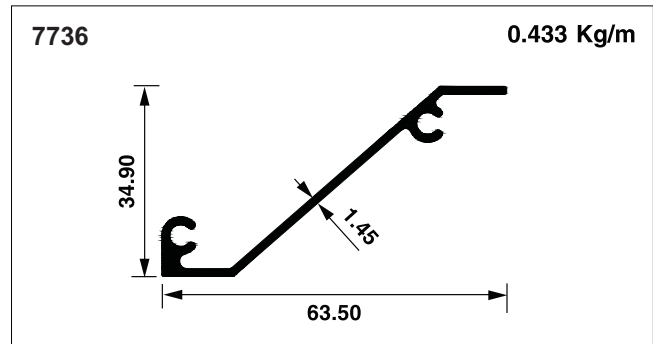
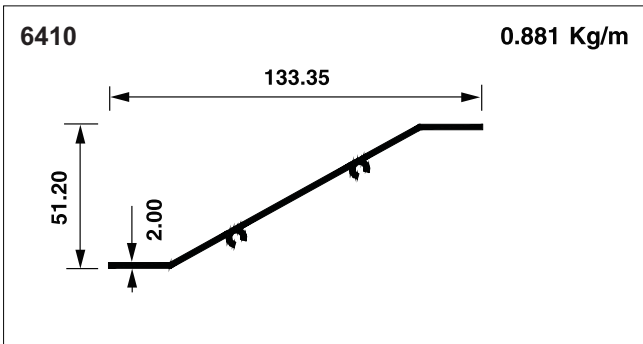
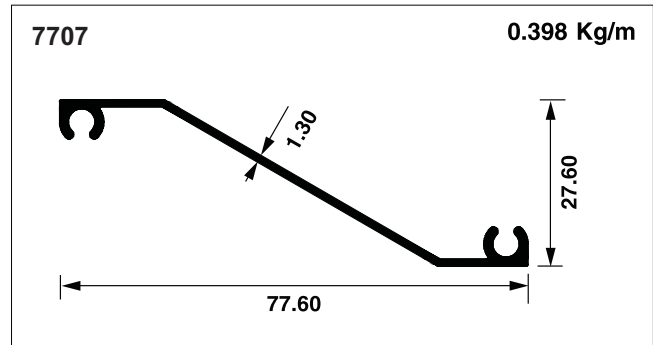
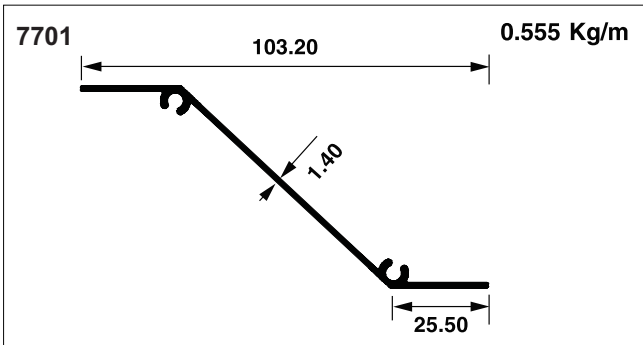




Unitized Glazing Series



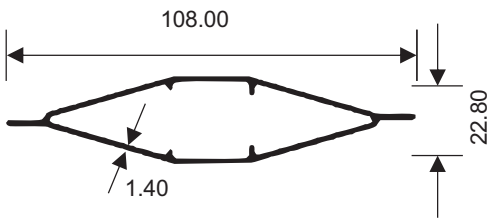
Louver





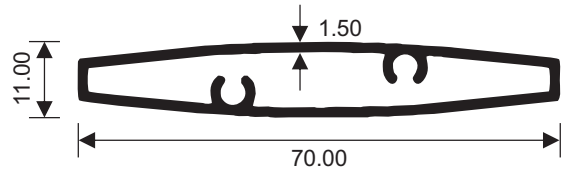
8523

0.830Kg/m



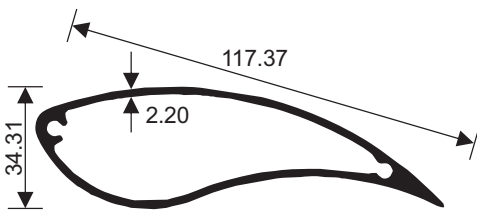
8615

0.669Kg/m



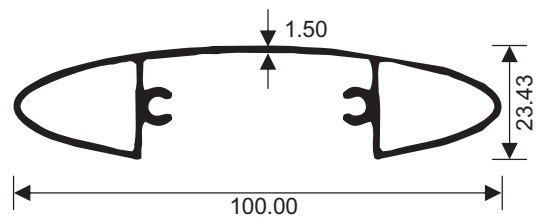
85307

1.578Kg/m



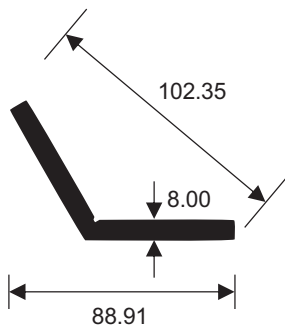
85451

0.965Kg/m



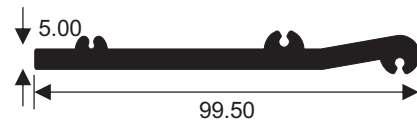
5198

2.455Kg/m

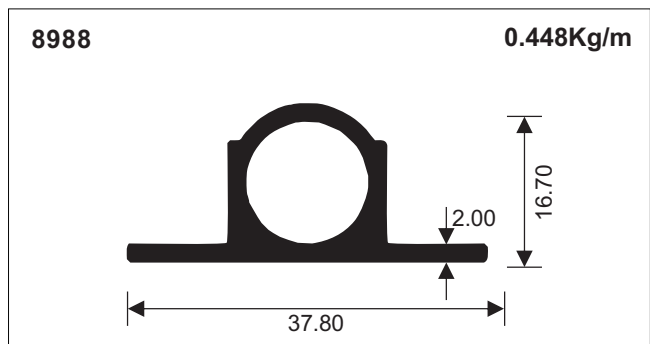
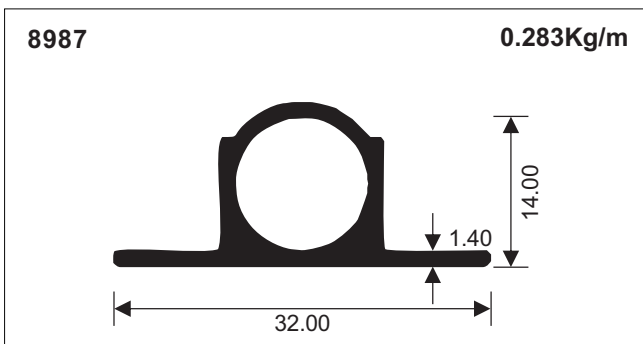
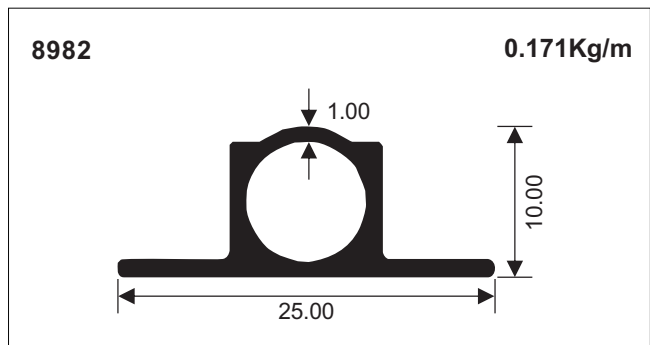
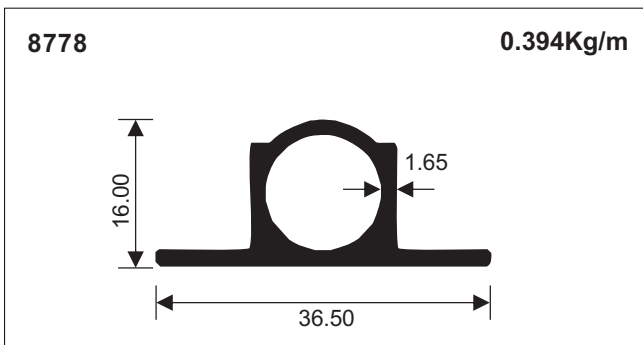
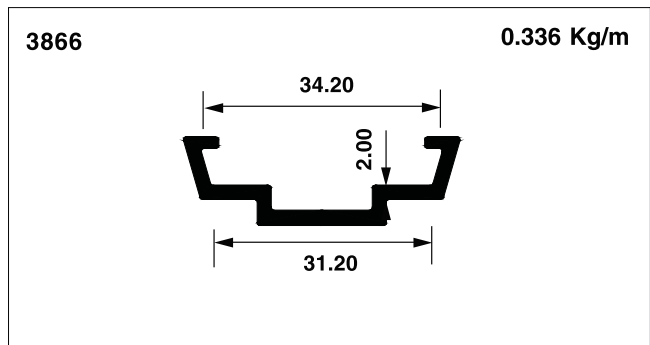
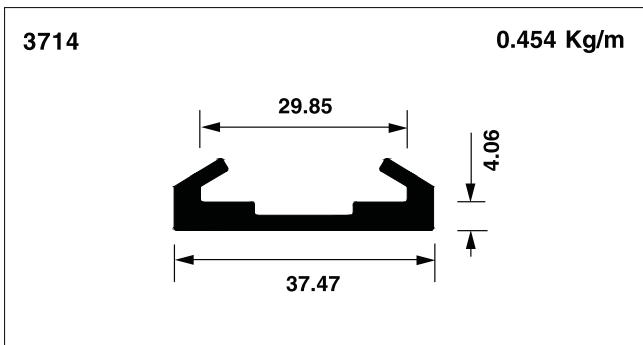
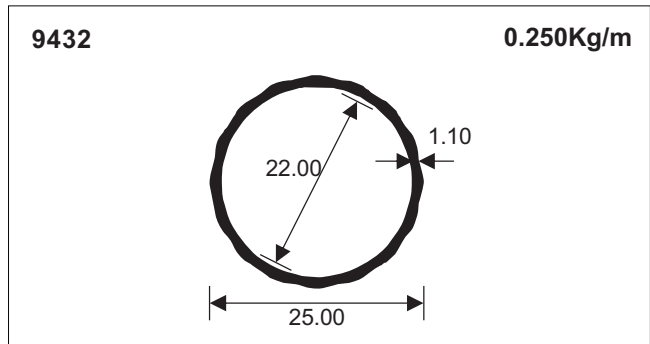
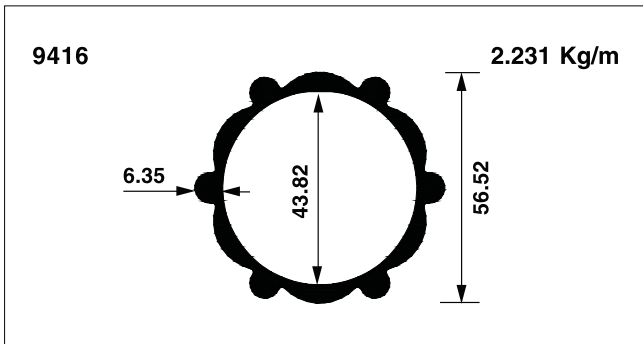
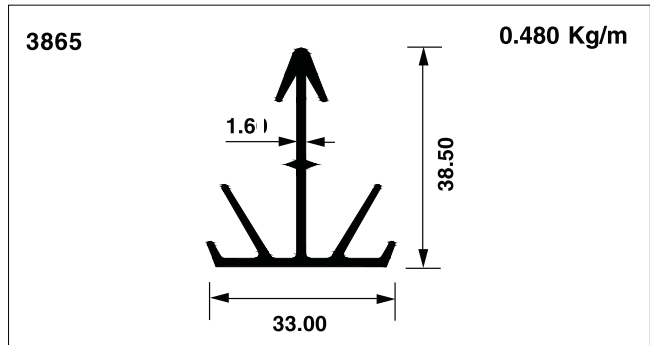
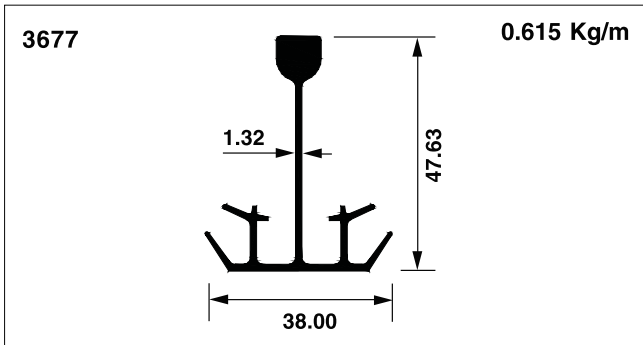


6409

1.526Kg/m

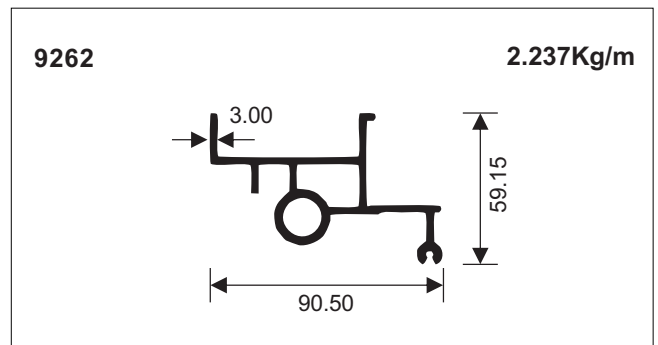
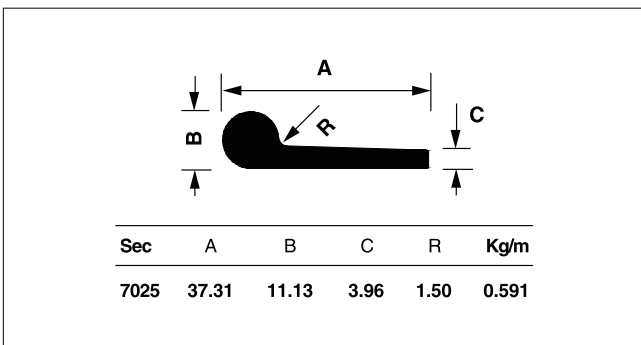
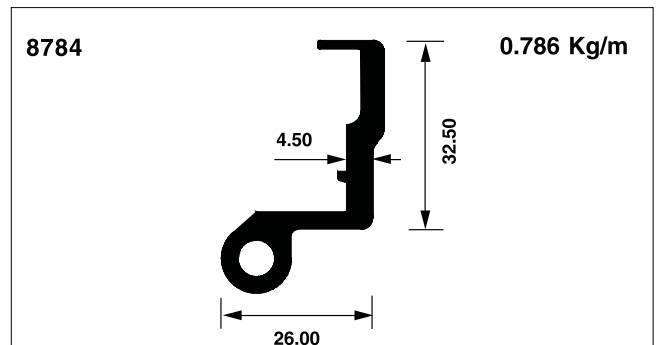
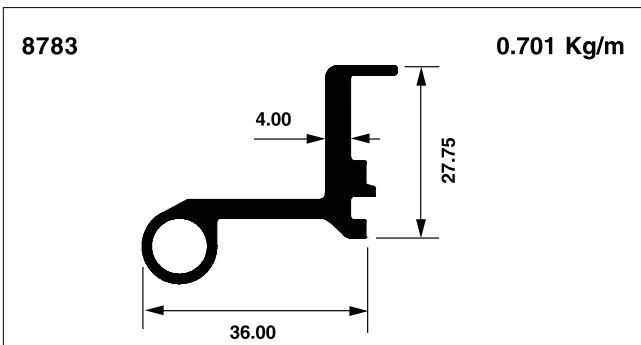
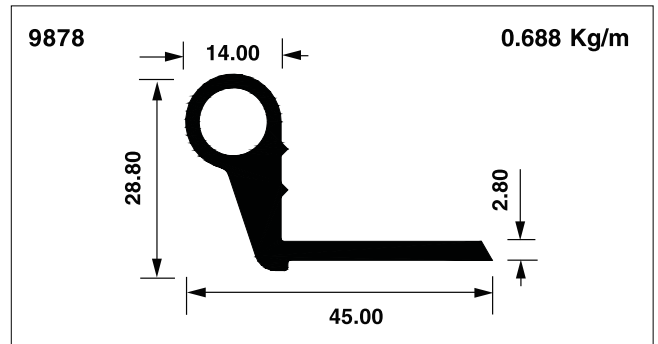
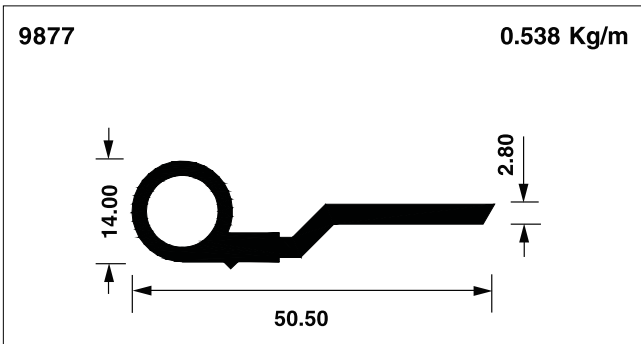
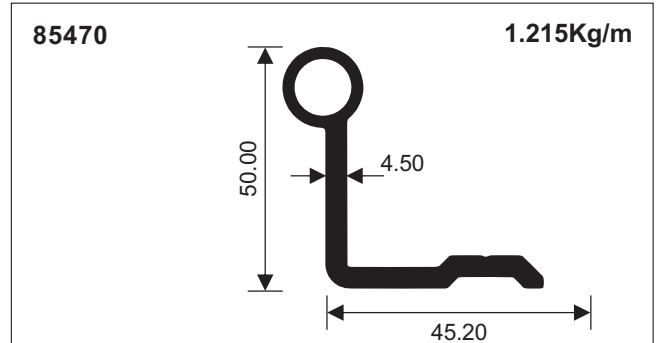
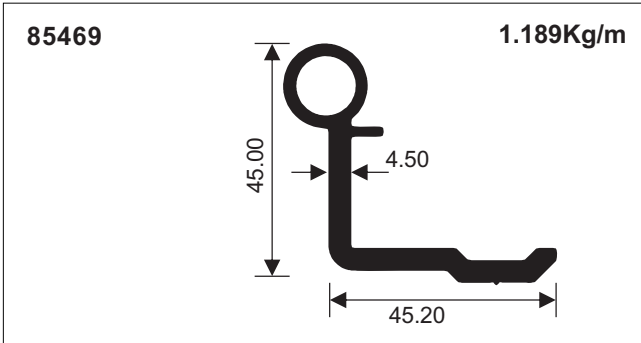


Tower Bolts & North Light Glazing





Aldrop & Hinges

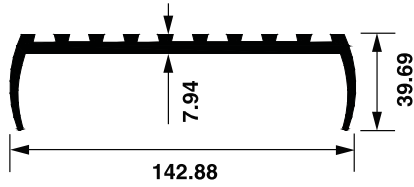


Wall Facing & Step Edging



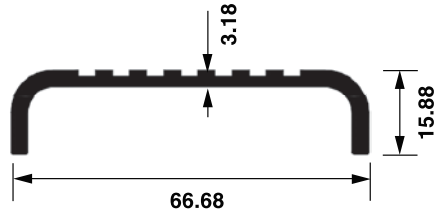
5708

2.815 Kg/m



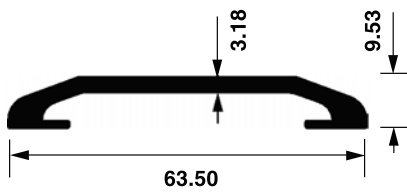
1457

0.672 Kg/m



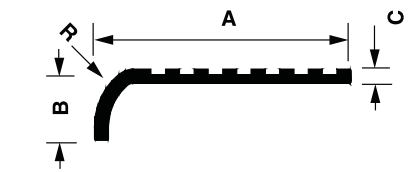
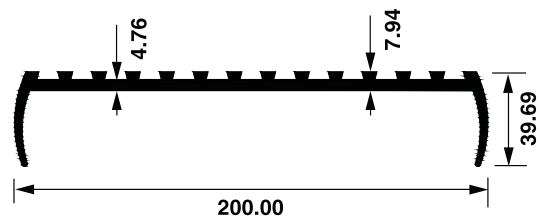
4600

0.682 Kg/m

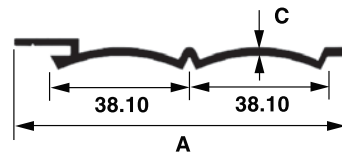


5706

3.740 Kg/m



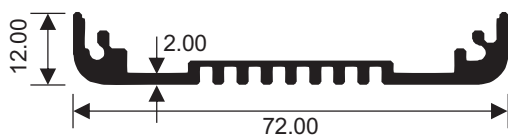
Sec	A	B	C	R	Kg/m
5707	36.00	12.00	2.50	2.00	0.247
5700	38.10	12.70	3.18	2.39	0.368
5701	57.15	15.88	3.18	11.91	0.495



Sec	A	C	Kg/m
6342	91.44	1.60	0.488
6393	90.14	0.85	0.272

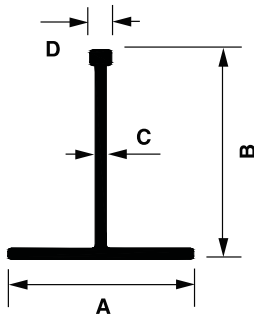
6797

0.674Kg/m



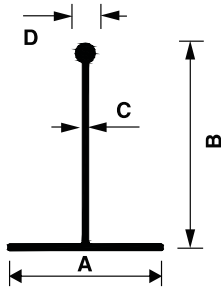


False Ceiling

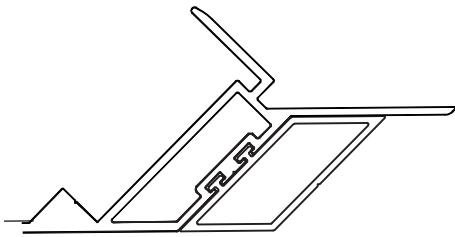


Sec	A	B	C	D	Kg/m
3247	23.50	20.00	1.10	2.50	0.137
3209	23.50	24.00	1.50	3.00	0.205
3122	23.50	23.80	1.57	3.18	0.215
3121	23.50	36.50	1.57	3.18	0.268
3183	25.00	38.00	1.50	4.00	0.276
3245	25.00	25.00	1.00	3.00	0.144
3135	25.00	25.00	1.27	2.50	0.176
3137	25.00	38.00	1.27	4.00	0.255
3185	25.00	25.00	1.40	2.50	0.193
3215	25.40	25.40	1.60	3.80	0.235

Sec	A	B	C	D	Kg/m
3216	25.40	36.50	1.60	3.80	0.283
3139	26.00	40.00	2.00	6.00	0.390
3134	32.00	32.00	1.20	2.20	0.211
3133	32.00	32.00	1.40	2.20	0.243
3138	32.00	32.00	1.50	2.50	0.261
3191	38.00	38.00	1.40	3.00	0.303
3192	38.00	38.00	1.50	3.00	0.321
3193	38.10	38.10	1.60	3.00	0.341

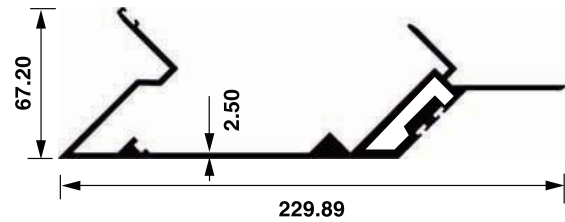


Sec	A	B	C	D	Kg/m
3142	25.40	34.90	3.00	5.00	0.476



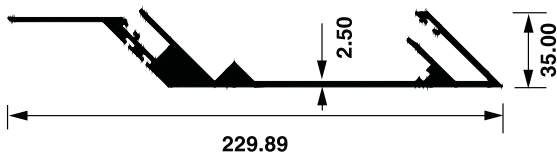
85017

3.228 Kg/m



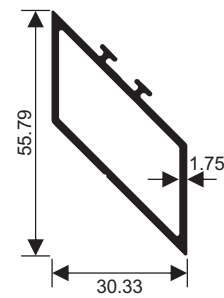
85018

2.916 Kg/m



85019

0.643Kg/m



Grill Frames



Sec	A	B	C	Kg/m
2136	22.00	11.50	0.90	0.131
2101	22.00	11.50	1.10	0.158
2163	22.00	11.50	0.80	0.117
2164	22.00	11.50	1.00	0.145
2165	22.00	11.50	1.20	0.171

9948 **0.247 Kg/m**

9949 **0.291 Kg/m**

4723 **0.192 Kg/m**

4725 **0.157 Kg/m**

8799 **0.203 Kg/m**

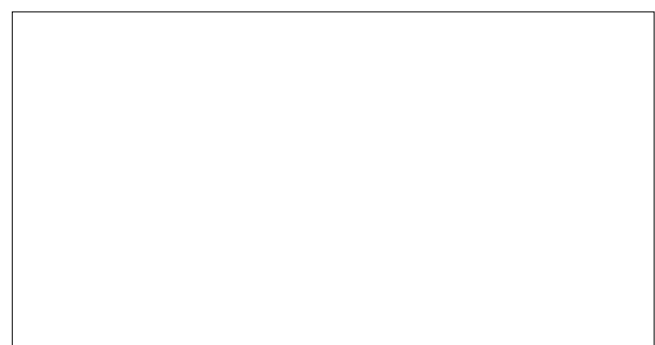
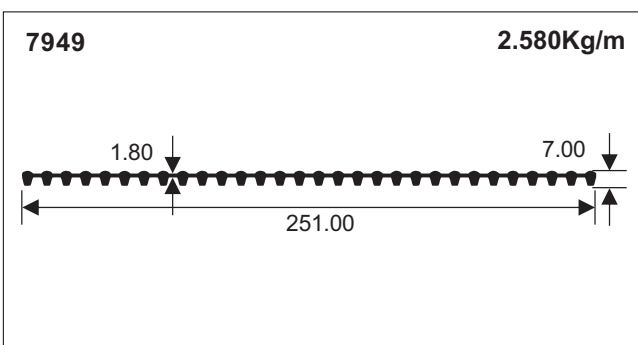
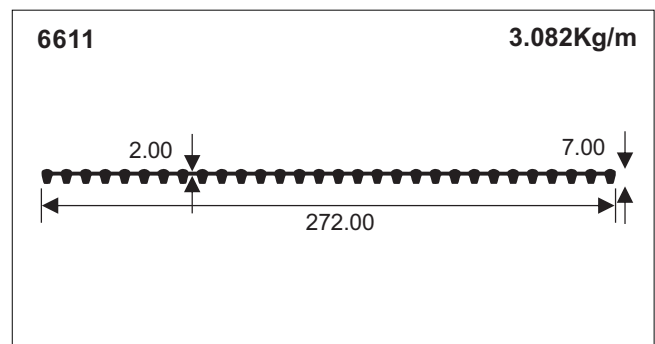
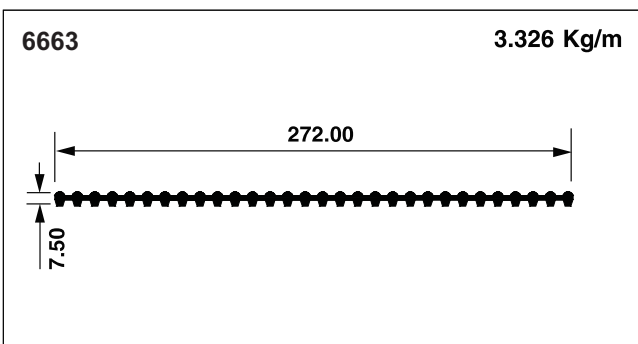
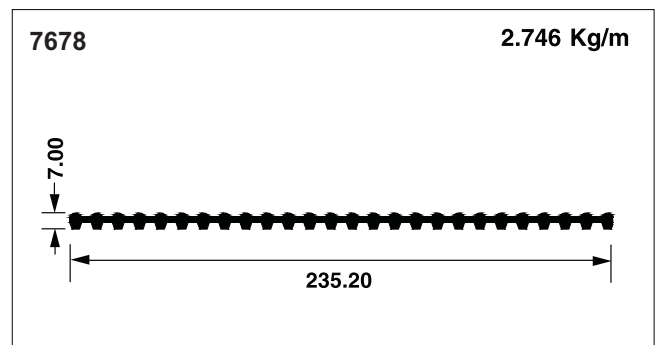
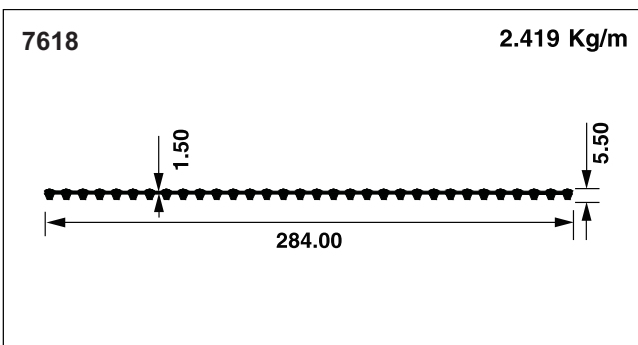
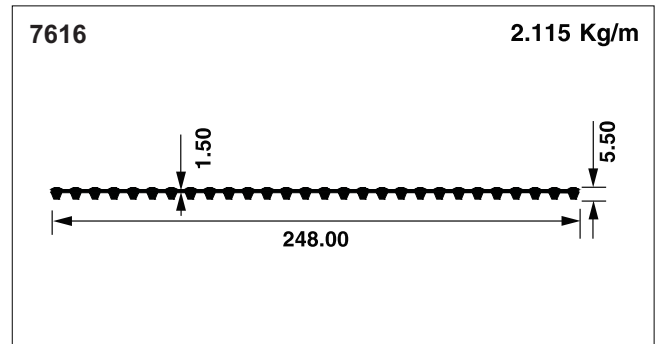
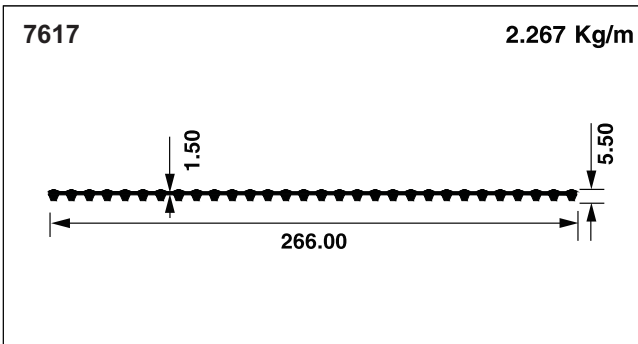
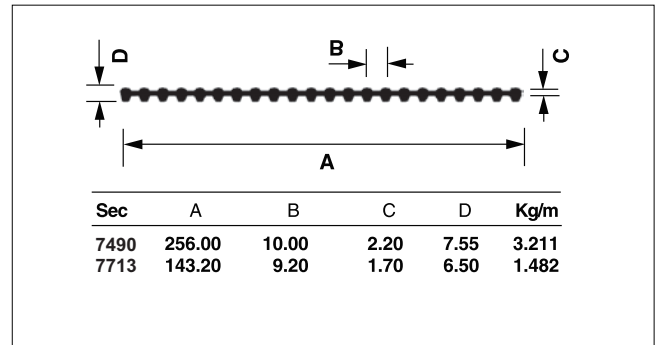
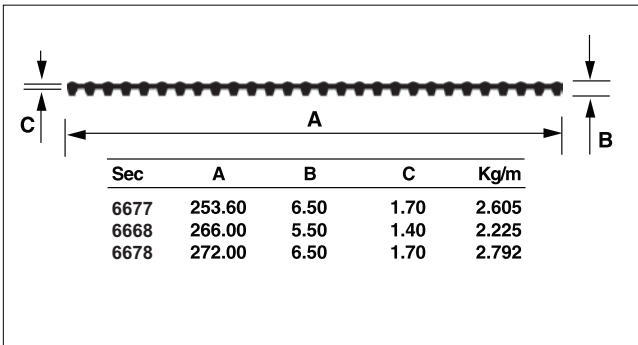
85186 **0.220Kg/m**

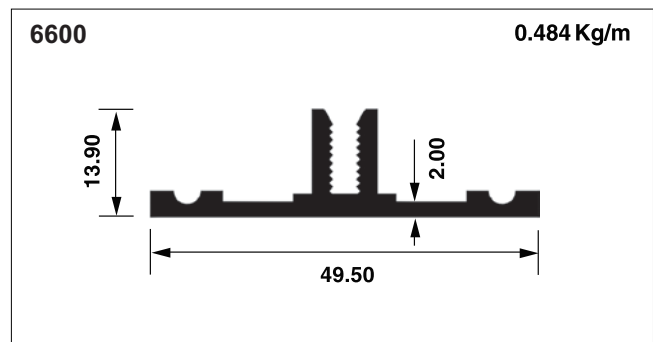
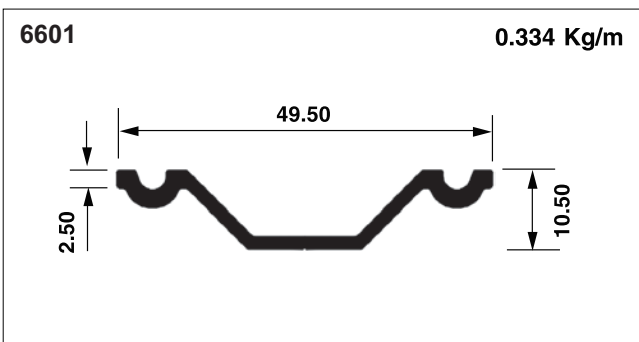
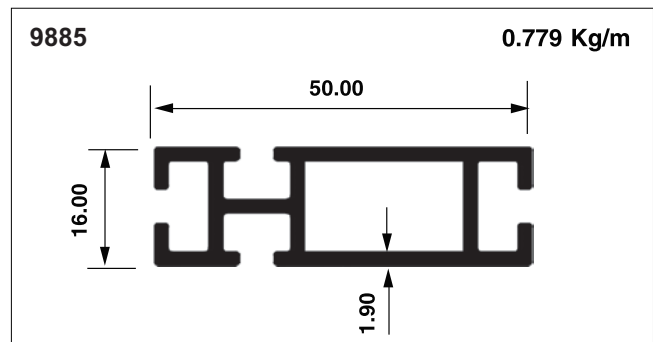
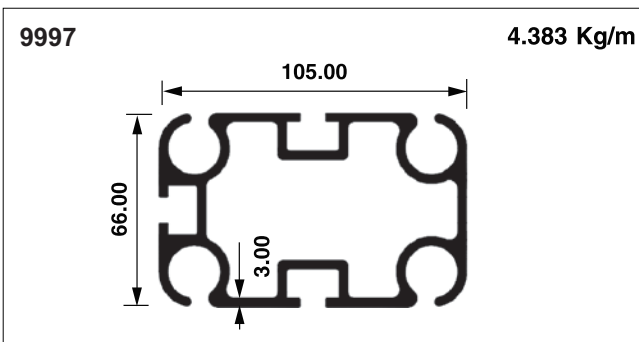
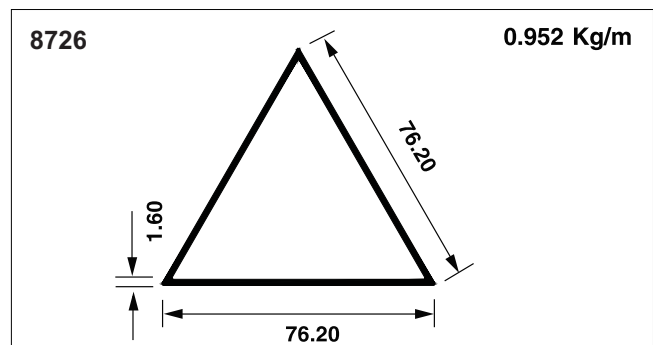
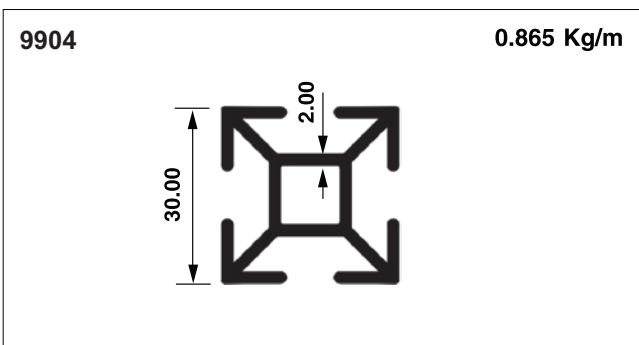
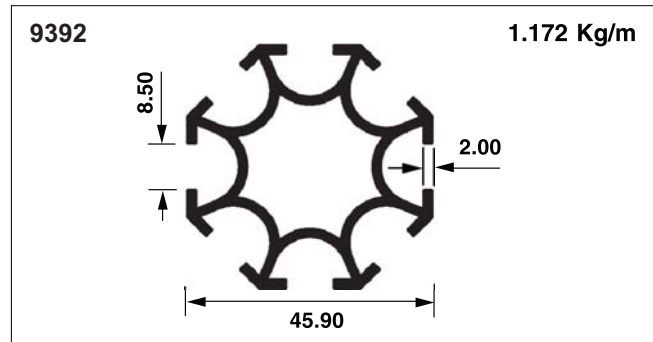
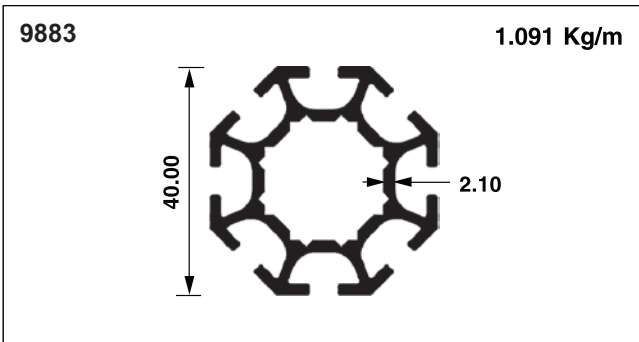
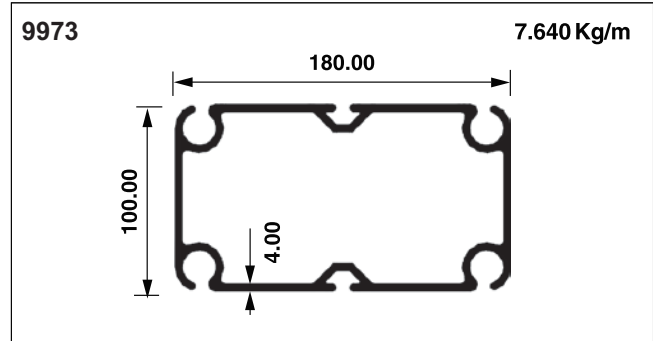
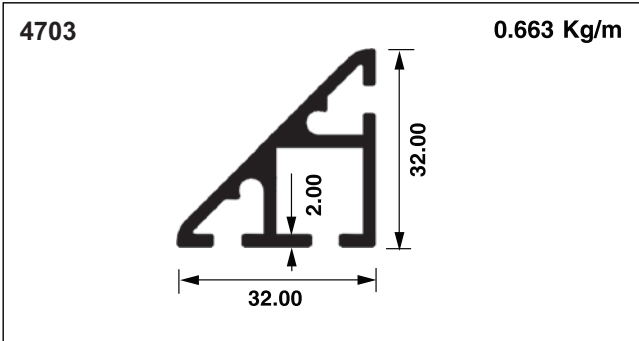
2150 **0.121Kg/m**

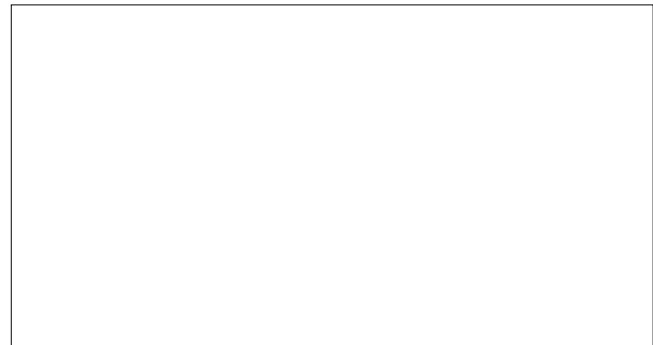
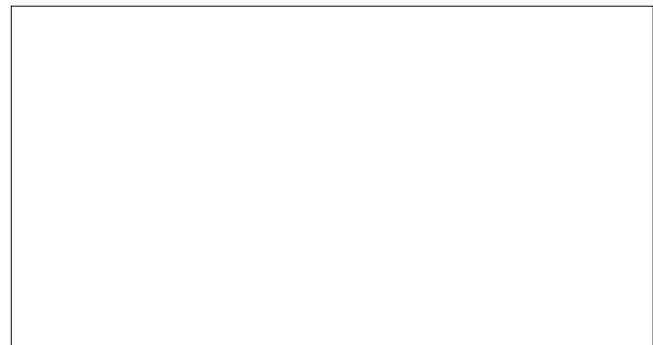
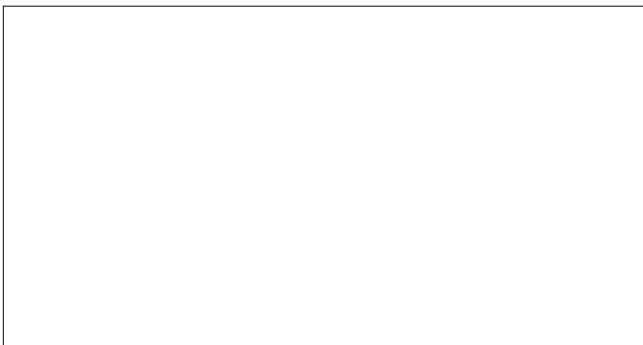
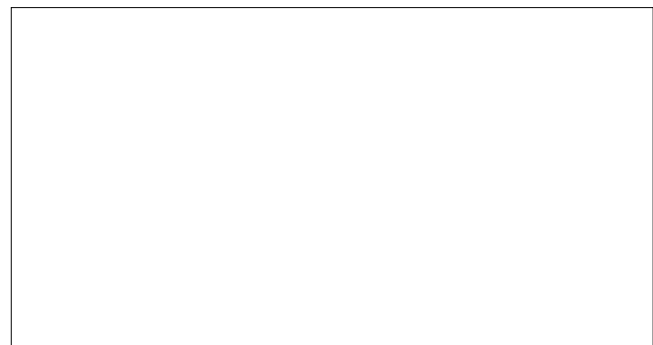
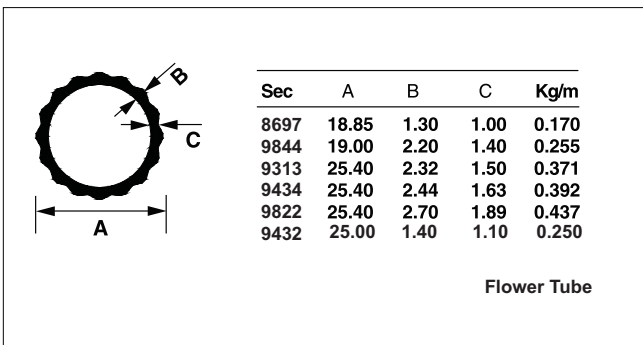
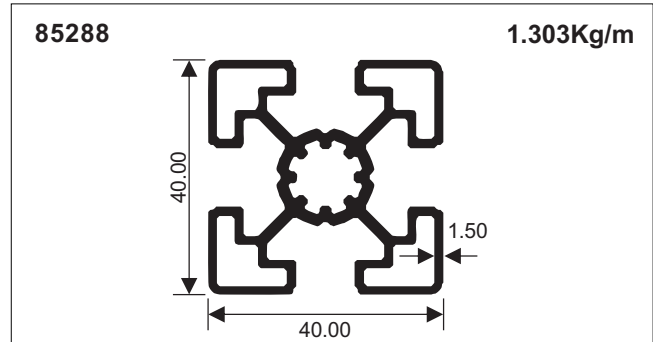
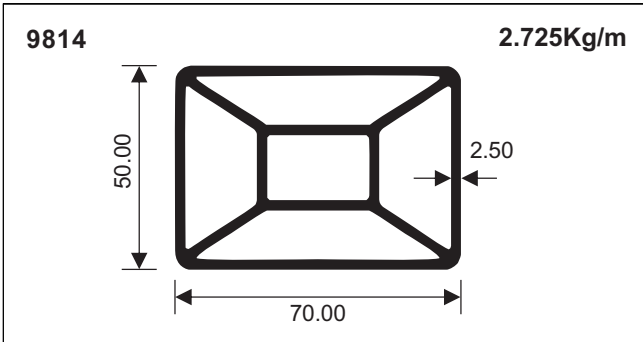
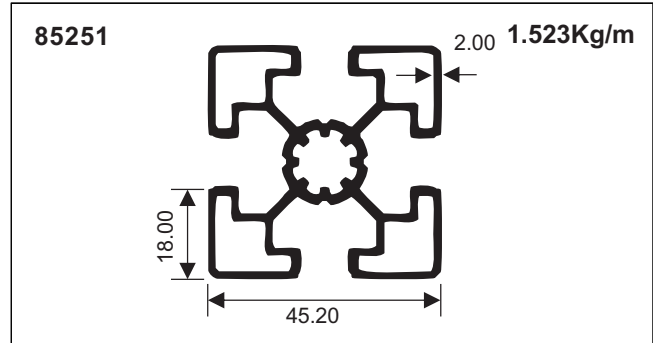
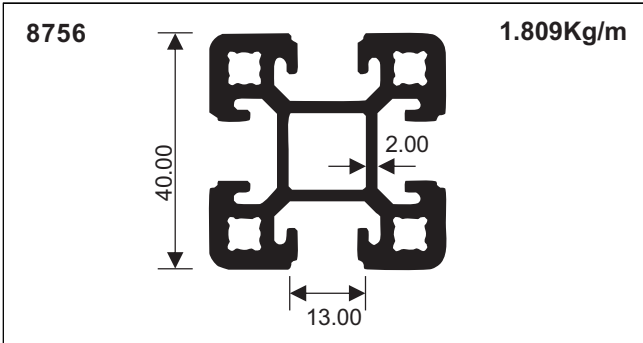
4156 **0.548Kg/m**



Expandable Grills

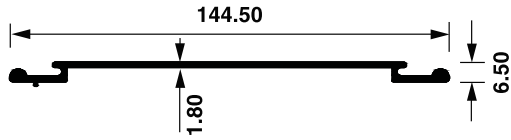




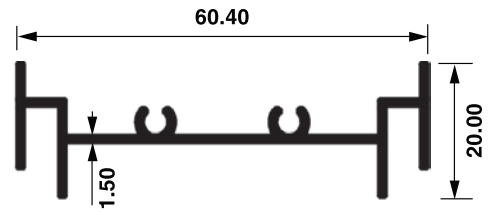




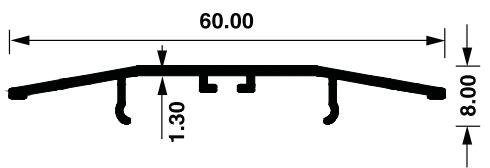
6215 0.862 Kg/m



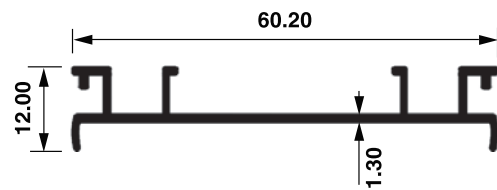
6216 0.533 Kg/m



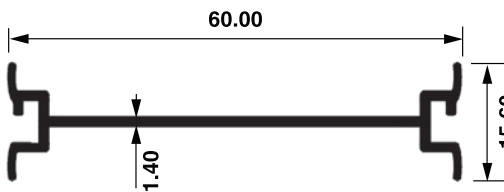
6217 0.273 Kg/m



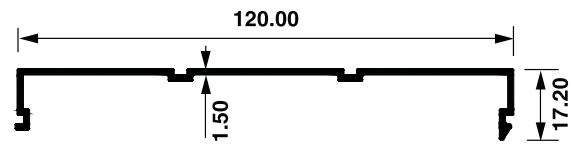
6218 0.363 Kg/m



6219 0.350 Kg/m



6738 0.656 Kg/m



6214 0.541 Kg/m

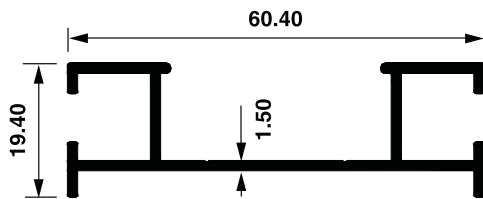
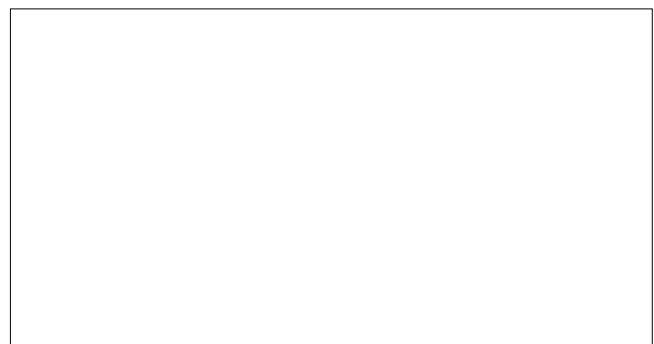
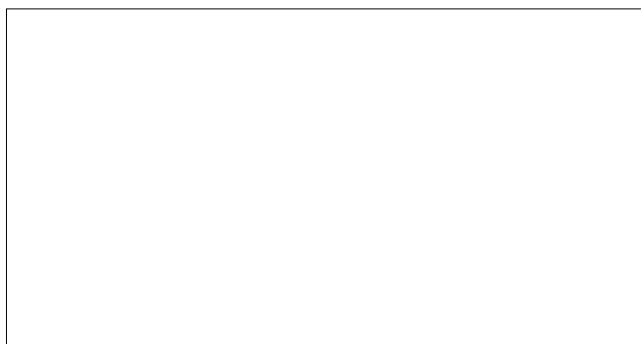
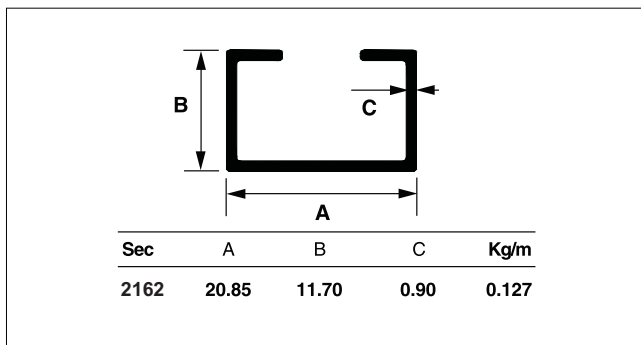
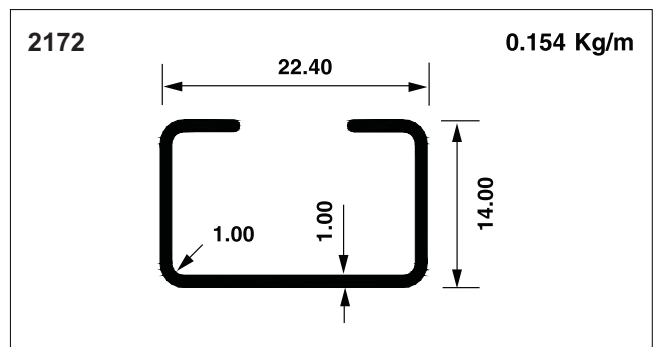
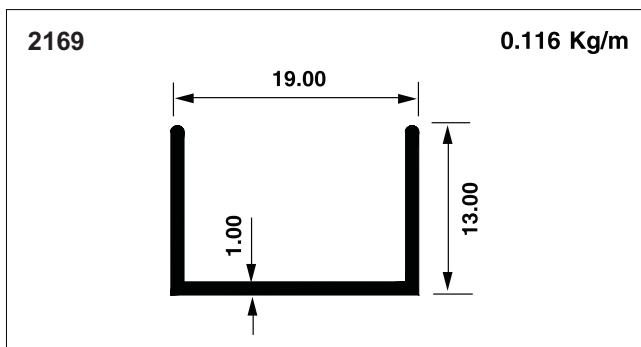
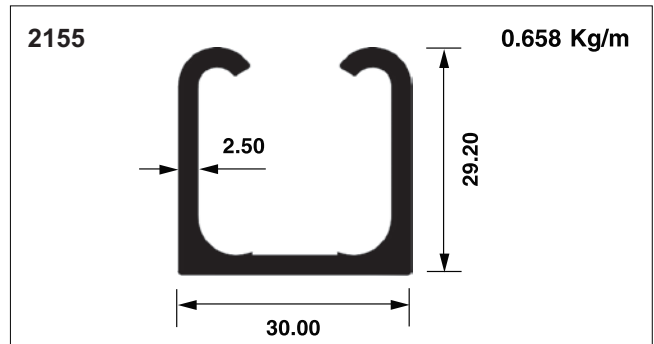
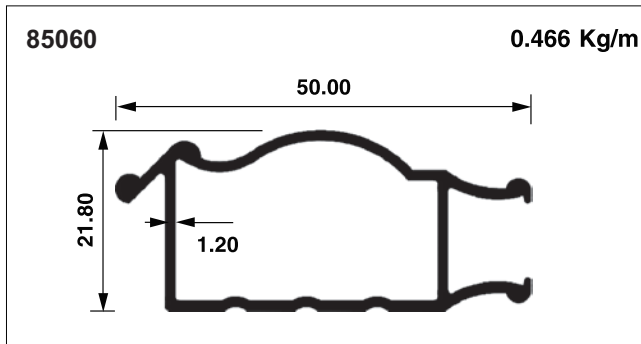
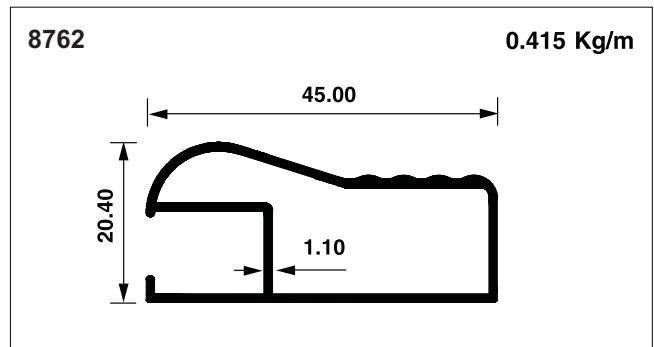
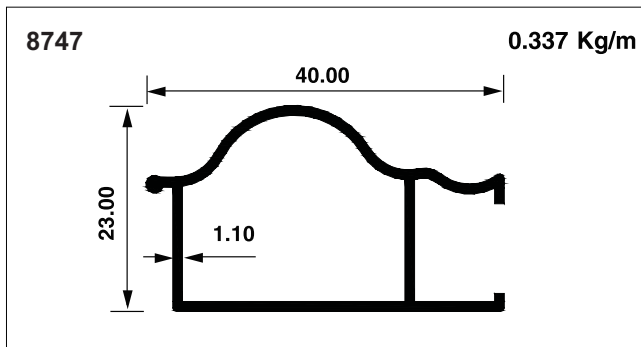
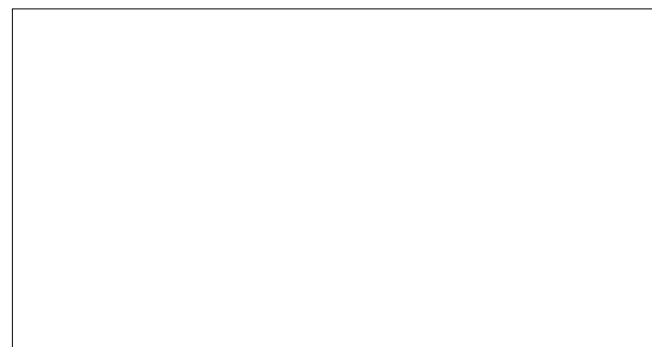
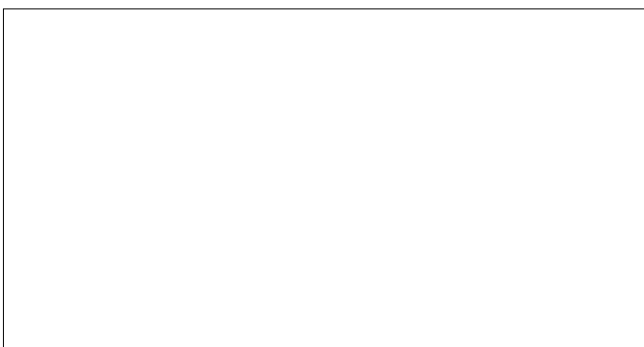
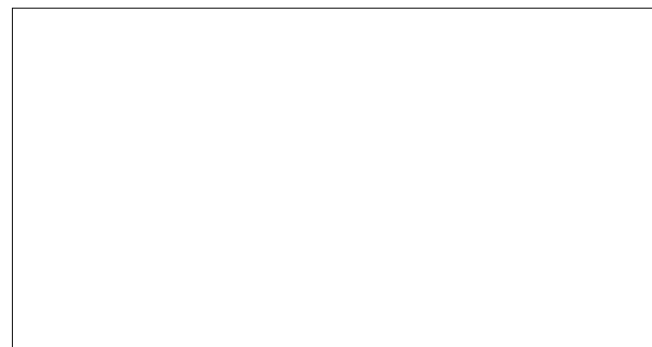
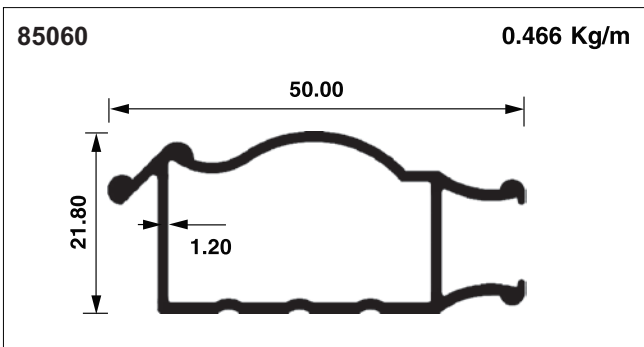
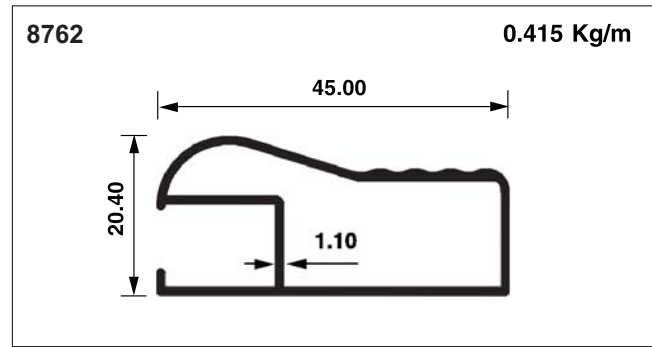
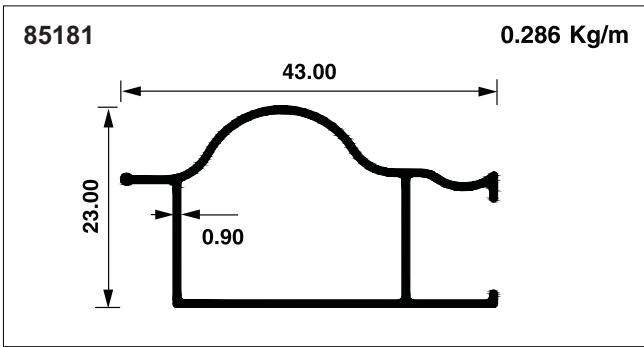
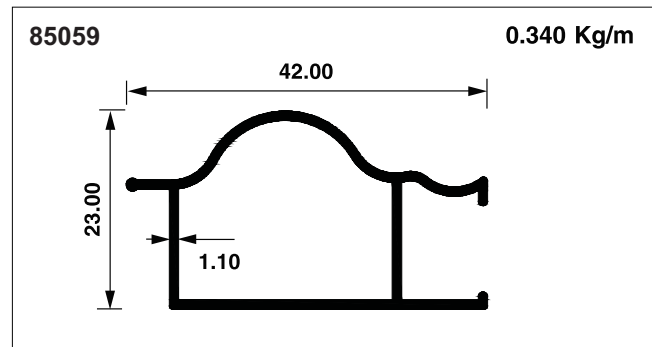
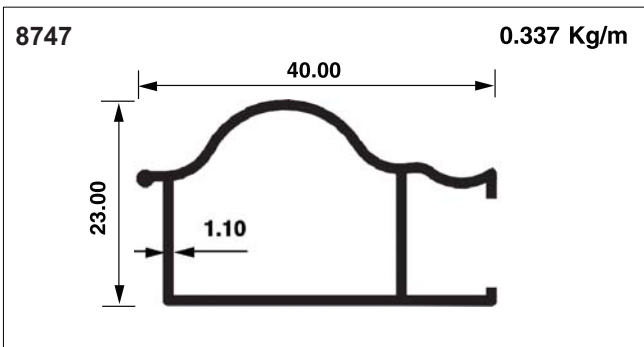
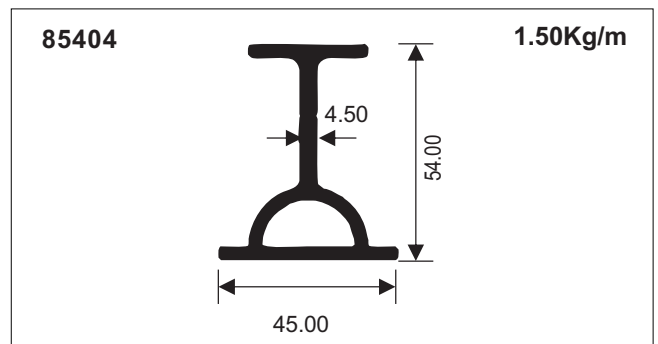
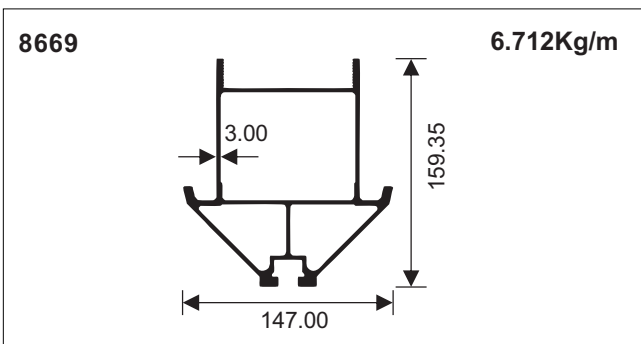
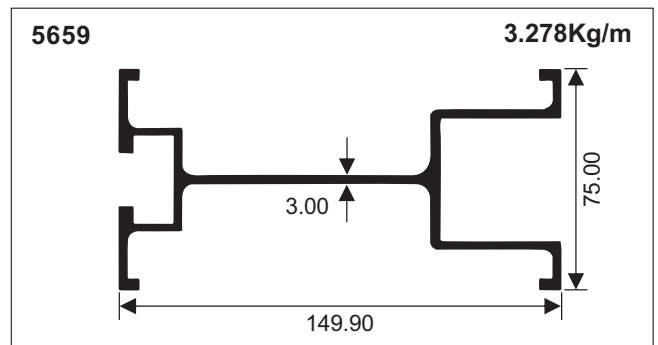
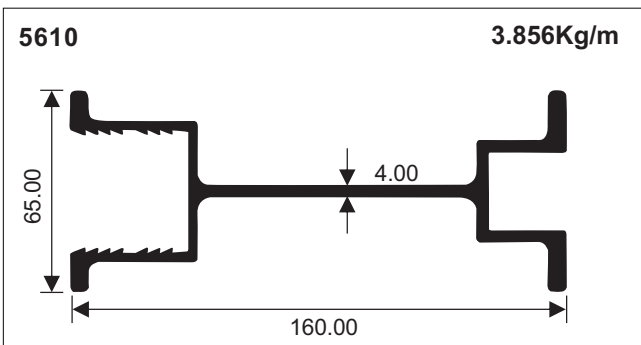
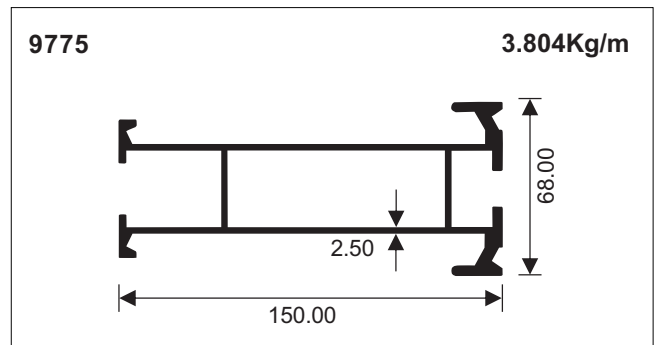
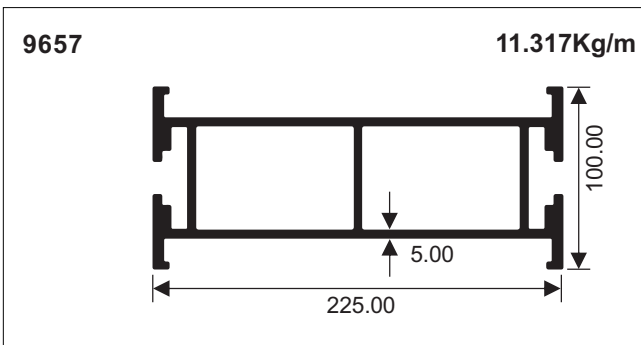
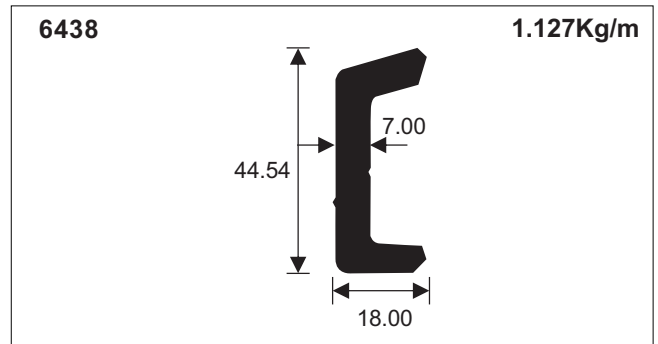
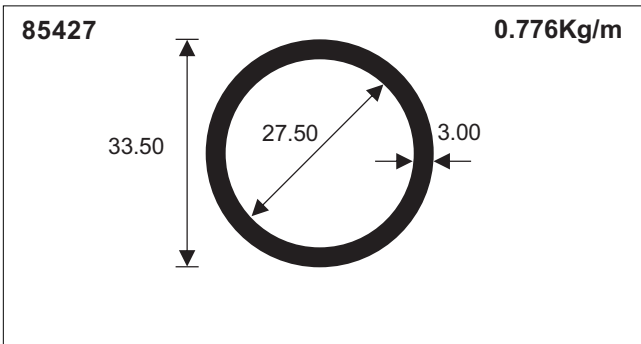
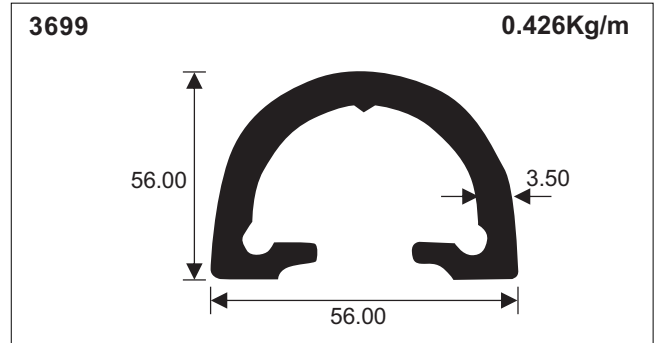
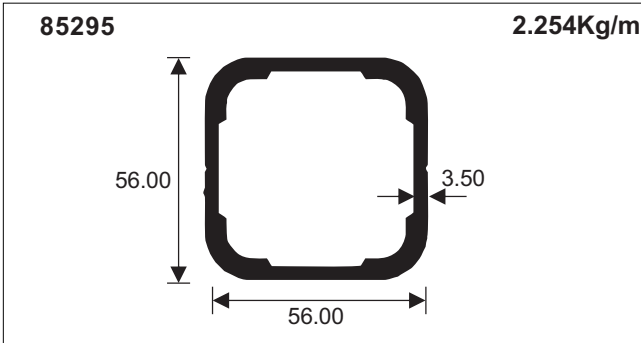




Photo Frames & Curtain Rails

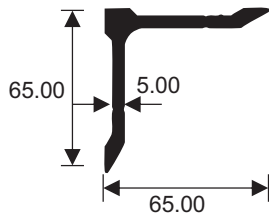




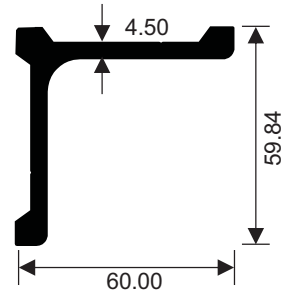




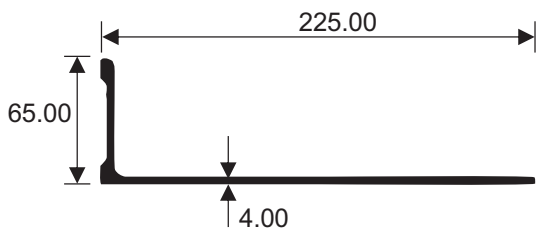
3629 1.808Kg/m



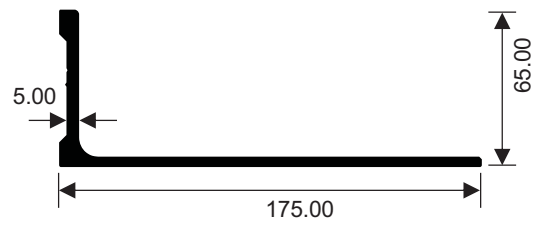
3685 1.670Kg/m



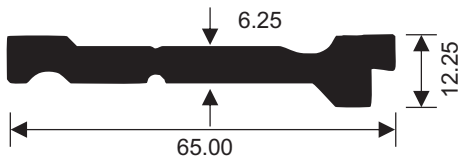
3650 3.262Kg/m



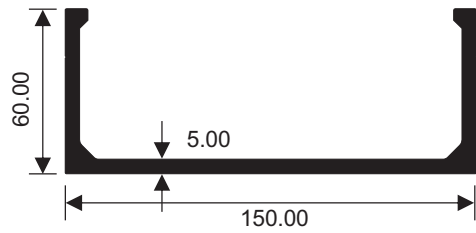
3850 2.90Kg/m



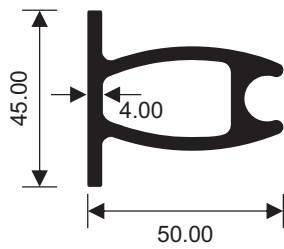
6419 1.204Kg/m



2340 3.696Kg/m

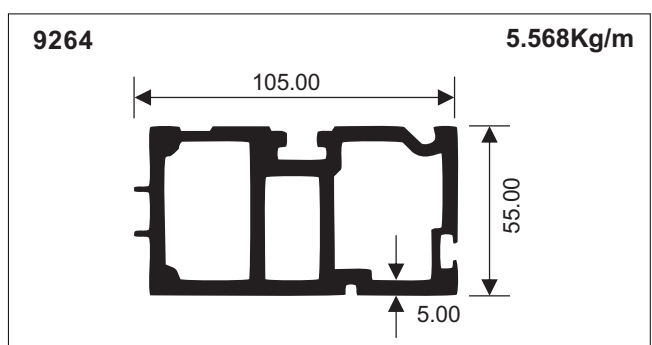
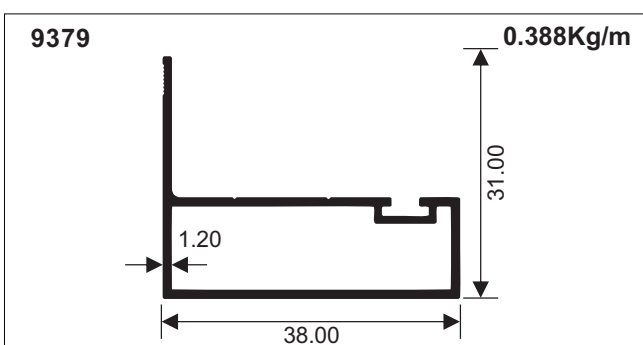
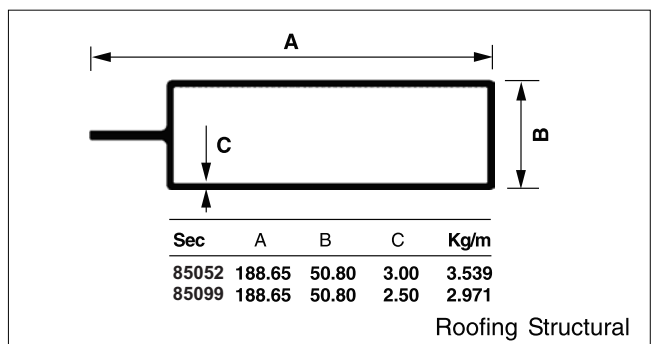
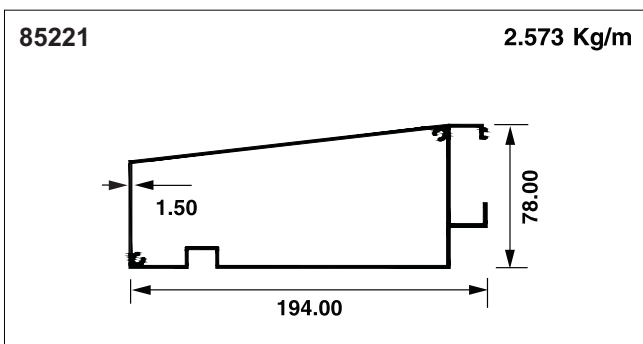
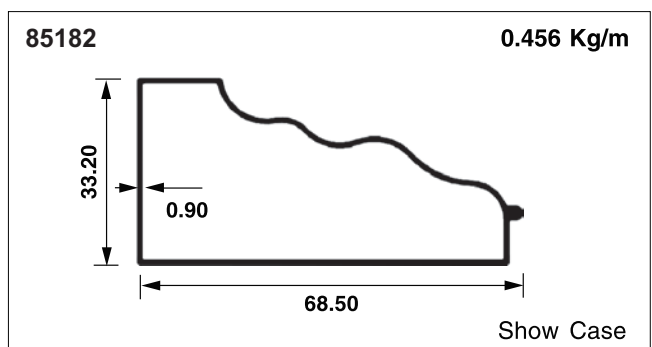
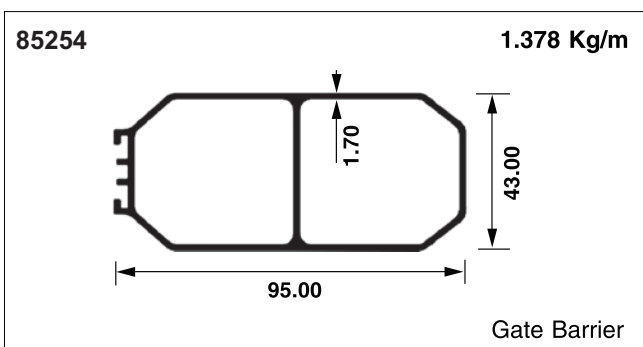
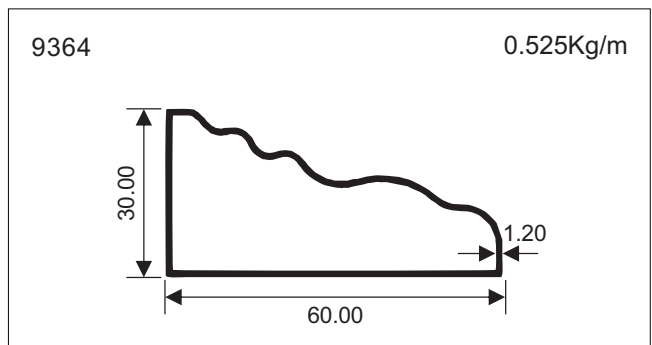
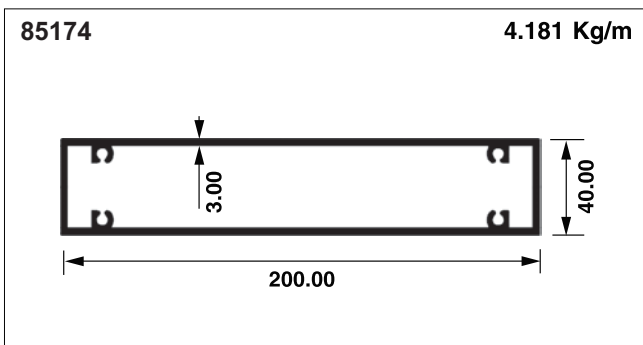
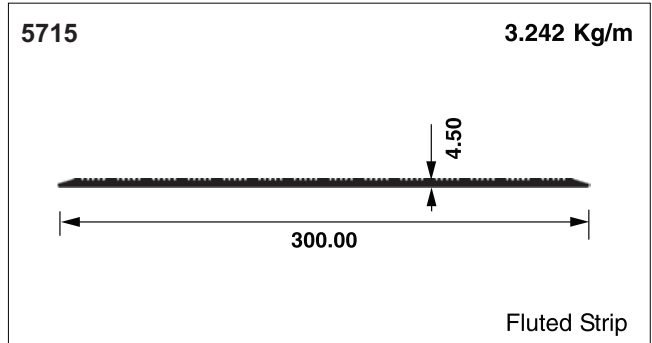
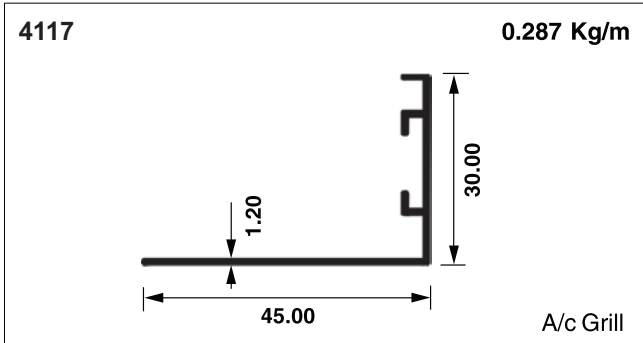


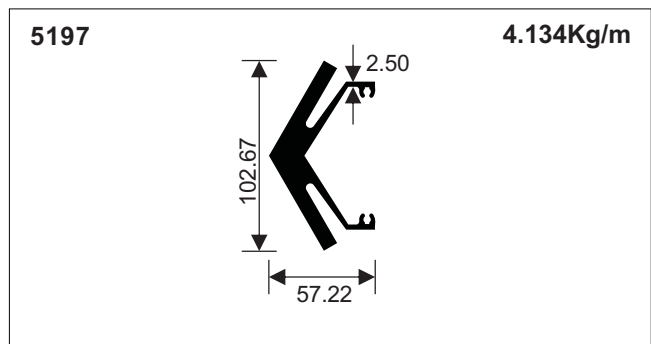
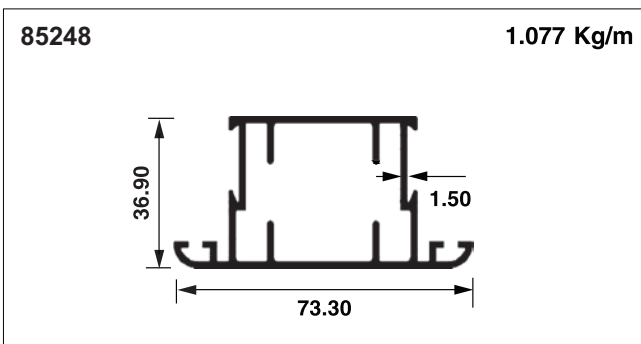
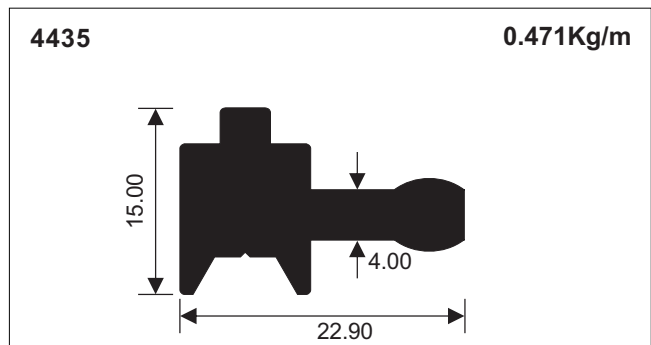
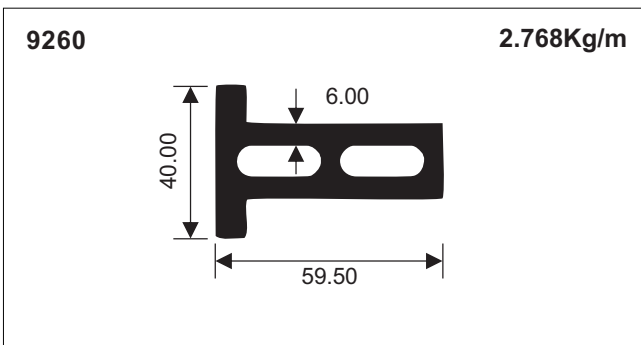
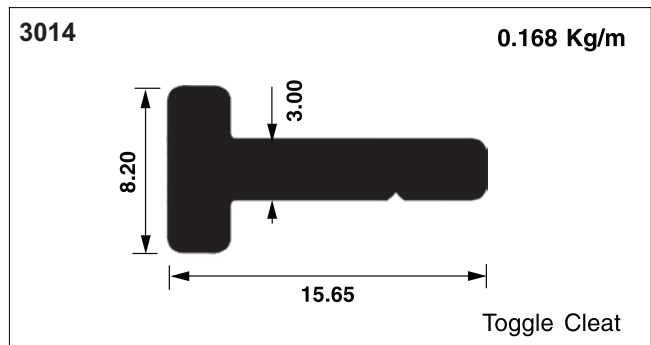
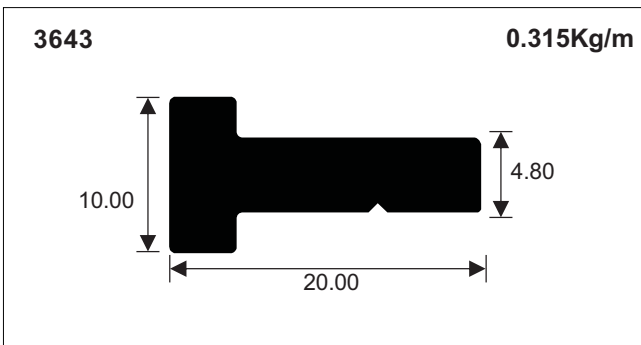
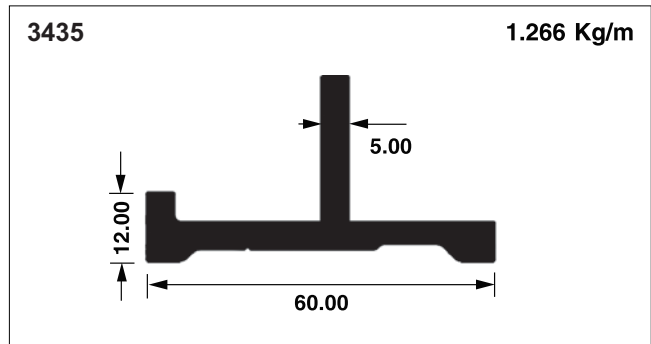
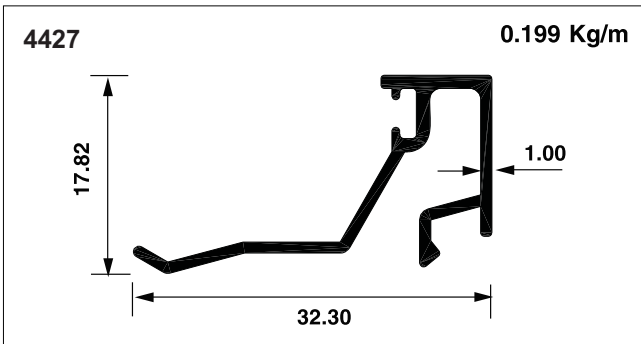
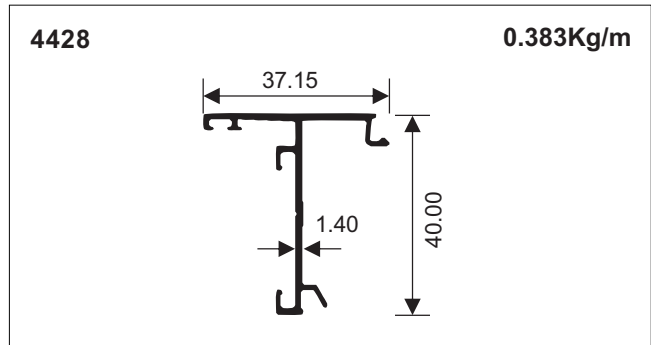
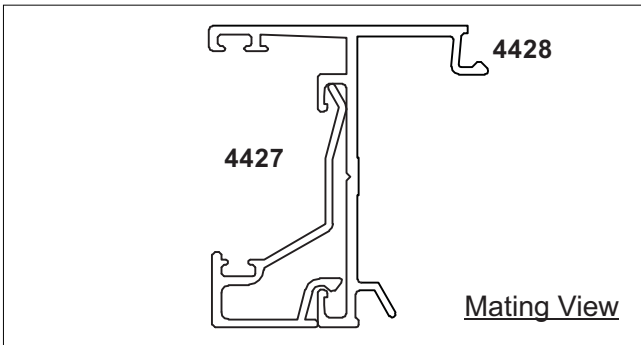
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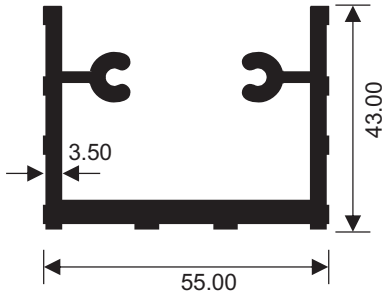




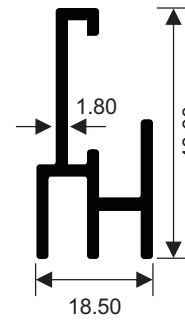


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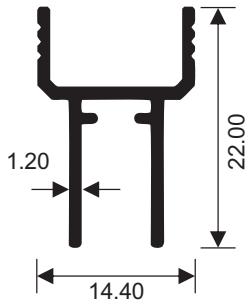
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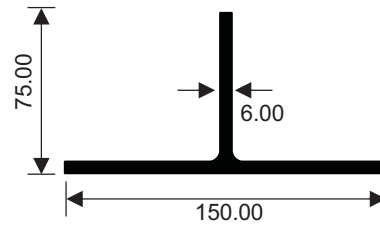
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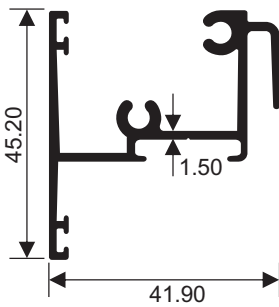


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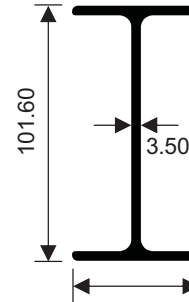


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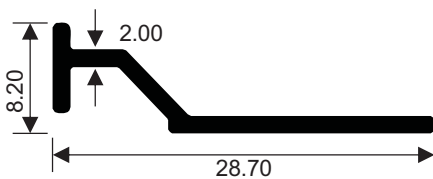
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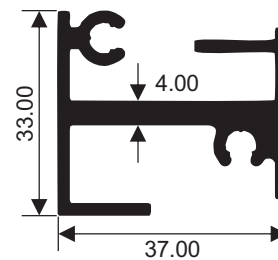
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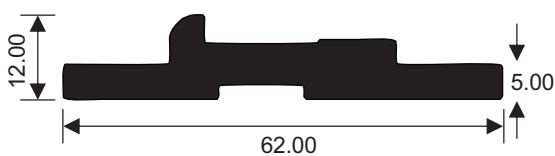
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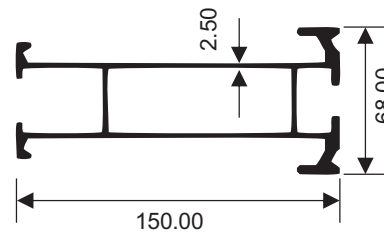
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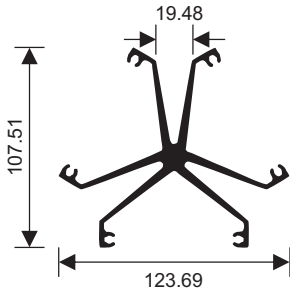
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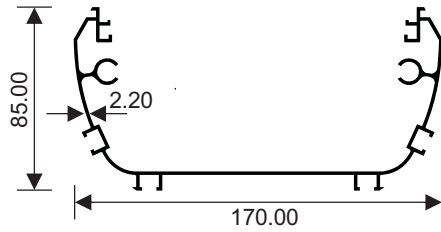
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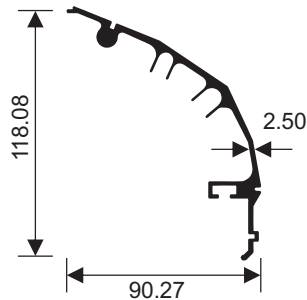
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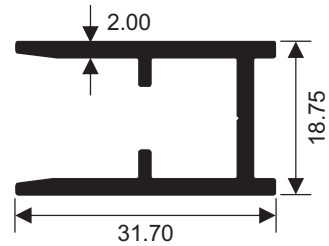
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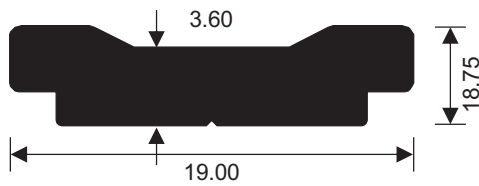
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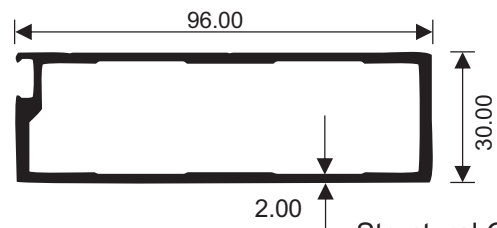
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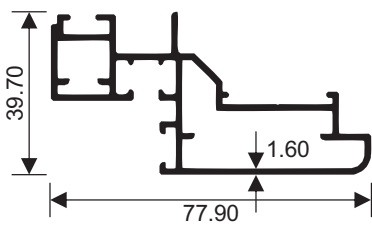
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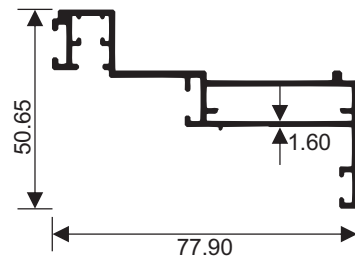
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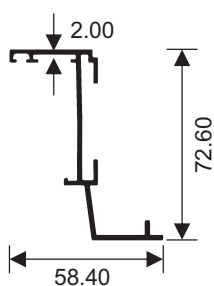
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1.019Kg/m



7993

0.910Kg/m



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8480	11	8918	45	9195	39	9347	47	9831	12	85162	61
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8881	22	9164	33	9302	57	9784	83	85125	84	85270	64
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