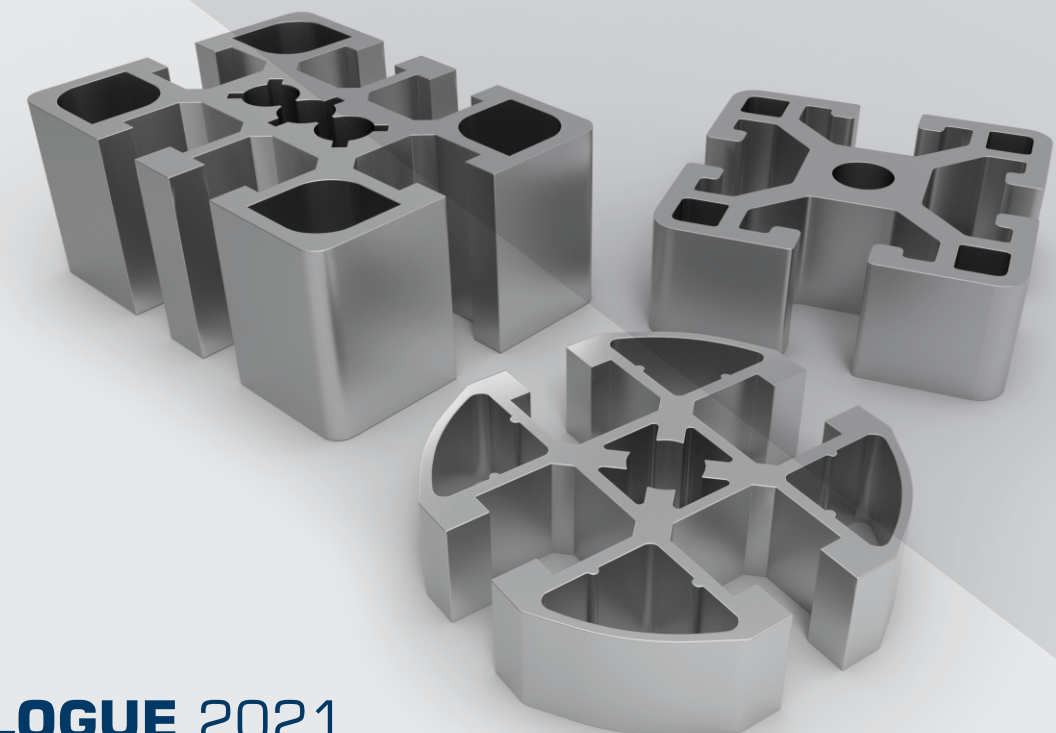




**COMMITMENT TOWARDS
QUALITY AND SERVICES**



R. S. No:26/01/2016, Village Khandiwada,
Vadodara - Halol Expressway, Tal. Waghodia,
Dist. Vadodara - 391510, Gujarat, INDIA.

+91 97279 12959

info@hastenextrusions.com

www.hastenextrusions.com



design by COREFOCUS.co.in

CATALOGUE 2021
www.hastenextrusions.com



INDEX

GENERAL INFORMATION

01	About Us	01
02	Vision	02
03	Core Values	02
04	Certificate	03
05	QA & QC	04
06	Our Management	05
07	Process Chart	06
08	General Tolerances	07
09	Chemical Compositions	13
10	Sizing Capabilities	14

STANDARD PROFILE

01	BARS	15
1.1	Flat Bar	15
1.2	Special Flat Bar	17
1.3	Square Bar	18
1.4	Hexagon Bar	18
1.5	Round Bar	19
02	TUBES	20
2.1	Square Tube	20
2.2	Rectangle Tube	21
2.3	Special Square & Rectangle Tube	24
2.4	Triangle Tube	27
2.5	Round Tube	28
2.6	Special Round Tube	30
03	ANGLE	32
3.1	Equal L Angle	32
3.2	Unequal L Angle	33
3.3	Special L Angle	34
04	CHANNEL	35
4.1	Equal Channel	35
4.2	Unequal Channel	36
4.3	Special Channel	37
4.4	Double Channel	38
05	TEES	39
5.1	Plain Tee	39
5.2	Special Tee	39

ARCHITECTURAL PROFILE

01	SLIDING WINDOWS	40
1.1	18mm Series	40
1.2	25mm Series	45
02	SLIDING WINDOWS - EURO SERIES	50
2.1	22mm Series	50
2.2	26mm Series	51
2.3	35mm Series	52
03	CASEMENT WINDOWS SERIES	53
3.1	40mm Series	53
3.2	42mm Series	54
3.3	62mm Series	54
04	DOOR PROFILE	55
4.1	Single Partitions	55
4.2	Double Partitions	56
4.3	Glassing Strip	56
4.4	Door Vertical	57
4.5	Door Top Single Leg	57
4.6	Door Middle Single	58
4.7	Door Middle Double	58
4.8	Door Top	59
4.9	Door Bottom	59
4.10	Door Frame	60
4.11	L Tube & L Pipe	61
4.12	Glassing Clip	62
4.13	Moulding Door Series	63
05	HARDWARE & KITCHEN PROFILE	65
5.1	Hardware Profile	65
5.2	Kitchen Profile	70
5.3	Tower Bolt	74
5.4	Door Closer	76
06	HAND RAILING	77
6.1	Hand Railing - Top	77
6.2	Hand Railing - Bottom	78
07	CURTAIN WALL	80
08	LOUVER PROFILE	83
09	FACADE PROFILE	85

INDUSTRIAL PROFILE

01	Air Grill Profile	86
02	Display Profile	88
03	AHU Profile	88
04	Heat Sink	89

MISCELLANEOUS PROFILE



ABOUT US

Hasten Extrusions Pvt Ltd is an organisation primarily engaged of manufacturing of Aluminium Extruded Profiles, having team of over 100 people engaged in various functions / activities such as Sales, Marketing, Accounts, Metallurgy, Manufacturing, Research & Development, Maintenance, Quality Analysis, Quality Checking, Warehousing and Logistics.

HASTEN EXTRUSIONS PRODUCTS PRIMARY FOCUS IS ON FOLLOWING APPLICATION AREAS.

Architecture

Hardware

Transport

Modular Furnitures

Electrical & Electronics

Clean Room Applications

Solar Energy

General Engineering

Automotive Industry

Defence Industry

Consumer Durables

Irrigation

HASTEN EXTRUSIONS PVT LTD SELLS ITS PRODUCTS FOR VARIOUS APPLICATION.

Direct sales to OEM Customers, Real Estate Developers, Fabrication Distributors & Dealers and Many More.

Hasten Extrusion's commitment to Client's Satisfaction, adaptation of the latest and eco-friendly technology, reliability and excellence in product quality. Hasten Extrusion Pvt Ltd has set up a world class plant at Khandiwada, Dist. Vadodara, the plant is spread over 23597 Sq. Metres and can manufacture 3000 MT of Aluminium Profiles per Annum.



VISION

To become the most critically acclaimed manufacturer in Aluminium Extruded products serving multitude of industries.

To be the first choice for procurement of quality-based aluminium extruded products.

CORE VALUES

- Commitment** – Do whatever it takes to deliver superior customer value
- Courtesy** – Towards our customers employee, vendors and the society at large
- Integrity** – Honesty in every action
- Speed** – Act with urgency to deliver what we promise
- Teamwork** – Thinking and working together across hierarchy levels



CERTIFICATE



THE INTERNATIONAL CERTIFICATION NETWORK

CERTIFICATE

DQS Holding GmbH has issued an IQNet recognized certificate that the organization

Hasten Extrusions Pvt. Ltd.
R. S. No 26/01/16, Village Khandiwada
Vadodara-Halol Express Way, Tal-Vaghodia
Dist. Vadodara- 391 510
Gujarat
INDIA

has implemented and maintains a **Quality Management System**.

Scope:
Marketing, Manufacture and Supply of Aluminium Logs and Extruded Profiles.

Through an audit, documented in a report, it was verified that the management system fulfills the requirements of the following standard:

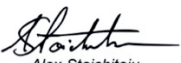
ISO 9001 : 2015

Issued on: 2019-03-15
Expires on: 2022-03-14

This attestation is directly linked to the IQNet Partner's original certificate and shall not be used as a stand-alone document.

Registration number: DE-50253598 QM15




Alex Stoichitoiu
President of IQNet


Michael Drechsel
Managing Director of
DQS Holding GmbH



IQNet Partners*:

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IRAM Argentina JQA Japan KPC Korea MIRTEC Greece MSZT Hungary Nemko AS Norway NSAI Ireland
NYCE-SIGE Mexico PCBC Poland Quality Austria Russia SII Israel SIQ Slovenia
SIRIM QAS International Malaysia SQS Switzerland SRAC Romania TEST St Petersburg Russia TSE Turkey YUQS Serbia
IQNet is represented in the USA by: AFNOR Certification, CISQ, DQS Holding GmbH and NSAI Inc.

* The list of IQNet partners is valid at the time of issue of this certificate. Updated information is available under www.iqnet-certification.com

Hasten Extrusions being a manufacturing company focused on delivering quality aluminium extruded products. For Hasten the quality is of primordial importance and is an integral part of culture to serve only the best that there can be.

Hasten Extrusion has a stringent quality control process in place for the best results that can be achieved in aluminium extruded products.

CERTIFICATE




CERTIFICATE



This is to certify that



Hasten Extrusions Pvt. Ltd.
R. S. No 26/01/16, Village Khandiwada
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ISO 9001 : 2015

Certificate registration no. 50253598 QM15
Date of certification 2019-03-15
Valid until 2022-03-14




DQS Inc.




Brad McGuire
Managing Director

Accredited Body: DQS Inc., 1130 West Lake Cook Road, Suite 340, Buffalo Grove, IL 60089 USA
Administrative Office: Deutsch Quality Systems (India) Pvt. Ltd., 5th Floor, Anjaneya Techno Park,
147, HAL Airport Road, Kodihalli, Bangalore - 560 017 - India

FOLLOWING ARE TESTS CONDUCTED FOR THE SAME

Spectrometer

Conductivity Meter

Webster Hardness Tester

Brinell Hardness Tester

Tensile Testing Machine

Digital Hardness Tester

OUR MANAGEMENT

Hasten Extrusions success has direct relation to the commitment, expertise and knowledge that our leadership team brings to its works. Our skills spring from broad experience and a diversity of backgrounds.

Mr. Dipu Sharma

A key personality in Hasten Extrusions Private Limited and also a Managing Director with Ajni Industries Private Limited which is involved in Clean Room and Lab Furniture manufacturing. Mr. Dipu Sharma brings to the organisation his entrepreneurial skills and his cast technical background which serves the company in matters of Finance, Management and Future Development.

Mr. Navin Mistry

He serves a key role in Hasten Extrusions Private Limited in maintain client relationship and operational management. Mr Navin Mistry is an entrepreneur who owns and heads Prime Interiors which deals into turnkey Industrial and Residential Civil and Interior Projects all over India.

Mr. Mahesh Sharma

Mahesh is son of Mr. Dipu Sharma who has joined the company as a Director. He has completed his engineering in the field of Mechanical. He is associated with the company since day one. His role in the company is of Marketing and Sales and with his skills, ability and active involvement the Company has achieved exponential growth. He is very tech-savvy and brings with him dynamism and penchant for atomization in machinery which in turn leads to technological advancement of manufacturing process.

Mr. Naresh Mistry

Naresh is son of Mr. Navin Mistry and comes from a business family. Immediately after completing his studies in the field of Architecture, he has joined the Company as a Director. His role in management is to look after day-to-day affairs of the Company. He is also entrusted with the task of production planning and quality assurance which he has been doing diligently and effectively. He is very cautious about product quality and is playing a key role in developing brand value of the Company.

PROCESS CHART



1 MELTING FOR ALLOYING

- Chemical Analysis
 - Confirms to quality plan
 - Not Confirms to quality plan
 - Rejected

2 BILLET CASTING

- Bath Sample Chemical Analysis
 - Confirms to quality plan
 - Not Confirms to quality plan
 - Molten Bath Correction

3 EXTRUSION

- Final Chemical Analysis
 - Identification Bath marking for Traceability
 - Ultrasonic Testing for non-metalic inclusion / Volds
 - Confirms to Quality Plan
 - Not Confirming to quality plan
 - Traceability Rearranging

4 STRETCHING, CUTTING & FINAL INSPECTION

- Dimension, Flatness, Angularity, Surface etc.
 - Confirms to quality plan
 - Not Confirms to quality plan
 - Rejected & Send for Remelting

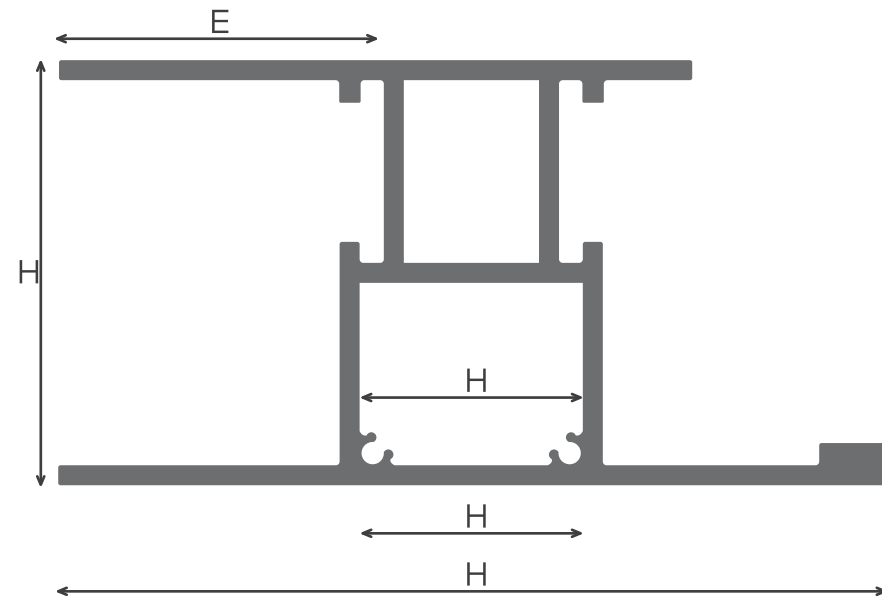
5 AGING FOR HARDENING

- U.T.S. Elongation, Conductivity Webster Test (Both Ends), Brineli Hardness etc.
 - Confirms to quality plan
 - Not Confirms to quality plan
 - Rejected & Send for Remelting

6 PACKING & DISPATCH

- Confirms to quality plan
- Not Confirms to quality plan
 - Rejected & Send for Remelting

GENERAL TOLERANCE



- A Wall thickness except those enclosing the hollow spaces in hollow profile.
- B Wall thickness enclosing the hollow spaces in hollow profile except those between two hollow spaces.
- C Wall thickness between two hollow spaces in hollow profile.
- E The length of the shorter leg of profile with open ends.
- H All dimensions (except wall thickness) between points on the cross section of the profile or the centers of open screw holes including open ends.

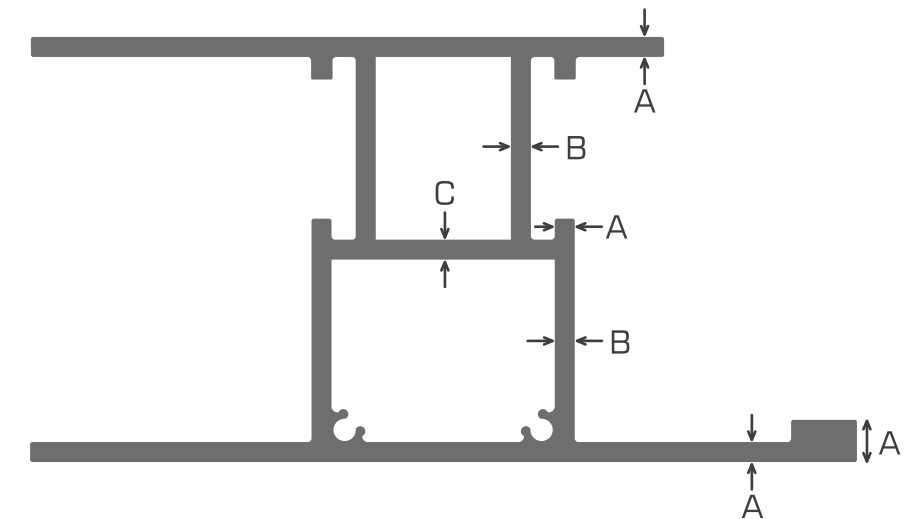
1. Tolerance on dimensions other than wall thickness

Tolerance on cross-sectional dimensions

Dimensions H (mm)		Tolerance on H (Expect Open Ends) (mm)	Tolerance on H (Open Ends)	
Over	Up to and Including		E ≤ 60 (mm)	60 < E ≤ 120 (mm)
-	10	± 0.15	± 0.15	a
10	15	± 0.20	± 0.20	a
15	30	± 0.25	± 0.25	a
30	45	± 0.30	± 0.30	± 0.45
45	60	± 0.40	± 0.40	± 0.55
60	90	± 0.45	± 0.45	± 0.65
90	120	± 0.60	± 0.60	± 0.80
120	150	± 0.80	± 0.80	± 1.00

Note : (a) Shall be subject to agreement between Hasten & Purchaser

GENERAL TOLERANCE



2. Tolerance on wall thickness of solid and hollow profiles

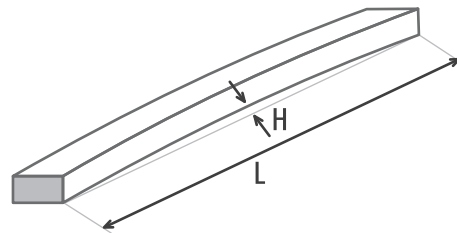
Nominal Wall Thickness A,B,C (mm)		Tolerance on Wall Thickness A (mm)		Tolerance on Wall Thickness B&C (mm)	
Over	Up to and Including	Circumscribing Circle CD ≤ 100	Circumscribing Circle 100 < CD ≤ 130	Circumscribing Circle CD ≤ 100	Circumscribing Circle 100 < CD ≤ 130
-	2	± 0.15	± 0.20	± 0.20	± 0.30
2	3	± 0.15	± 0.25	± 0.25	± 0.40
3	6	± 0.20	± 0.30	± 0.40	± 0.60
6	10	± 0.25	± 0.35	± 0.60	± 0.80
10	15	± 0.30	± 0.40	± 0.80	± 1.00
15	20	± 0.35	± 0.45	± 1.20	± 1.50
20	30	± 0.40	± 0.50	a	a
30	40	± 0.45	± 0.60	a	a

Note : (a) Shall be subject to agreement between Hasten & Purchaser

3. Cut Length Tolerance

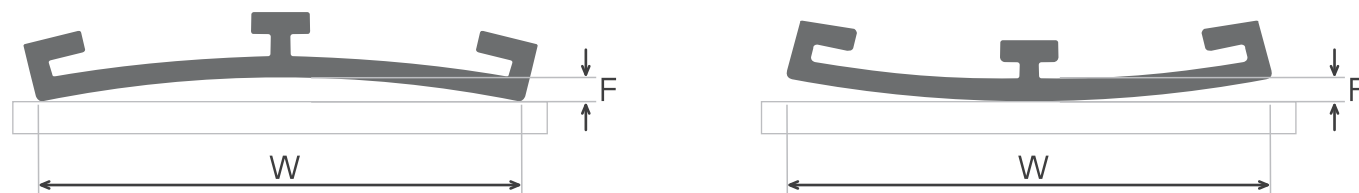
Width or Diameter (mm)	Length 1500 to 6000 mm Tolerance mm ±
Up to 50	6
50 to 100	8
100 to 150	10

4. Straightness Tolerances



Straightness tolerance H (mm) for specified length L (mm)					
$L \leq 1000$	$1000 < L \leq 2000$	$2000 < L \leq 3000$	$3000 < L \leq 4000$	$4000 < L \leq 5000$	$5000 < L \leq 6000$
0.7	1.3	1.8	2.2	2.6	3.0

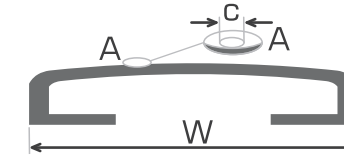
5. Convexity-Concavity Tolerances



Width W (mm)		Maximum Allowable Deviation F (mm)
Over	Up to and Including	
-	30	0.20
30	60	0.30
60	100	0.40
100	150	0.50

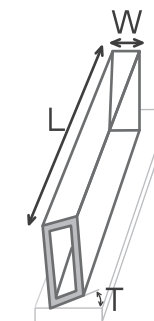


6. Contour Tolerances



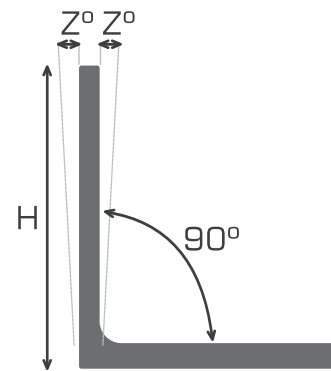
Width W (mm)		Contour Tolerance = Diameter C of the Tolerance Circle (mm)
Over	Up to and Including	
-	30	0.30
30	60	0.50
60	90	0.70
90	120	1.00
120	150	1.20

7. Twist Tolerances



Width W (mm)		Twist Tolerance T for Specified Length L (mm)						
Over	Up to and Including	$L \leq 1000$	$1000 < L \leq 2000$	$2000 < L \leq 3000$	$3000 < L \leq 4000$	$4000 < L \leq 5000$	$5000 < L \leq 6000$	$L \leq 6000$
-	75	1.0	1.2	1.5	1.8	2.0	2.0	Subjected to Agreement Between Supplier and Purchaser
75	100	1.0	1.2	1.5	2.0	2.2	2.5	
100	125	1.0	1.5	1.8	2.2	2.5	3.0	
125	150	1.2	1.5	1.8	2.2	2.5	3.0	

8. Tolerance for Right Angles



Height H (mm)		Maximum Allowable Deviation Z° from a Right Angle
Over	Up to and Including	
-	30	0.30
30	50	0.40
50	80	0.50
80	100	0.60
100	120	0.70
120	150	0.80

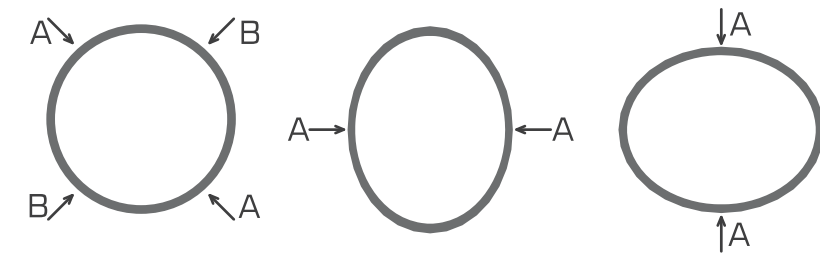
9. Maximum Allowable Corner and Fillet Radius

Sharp corners & fillets may be slightly rounded otherwise indicated on the drawing. The maximum allowable corner & fillet radius shall be as specified in below table.

Wall Thickness		Maximum Allowable Corner & Fillet Radius
Over	Up to and Including	
-	3	0.50
3	6	0.60
6	10	0.80
10	20	1.00
20	40	1.50



10. Round Tubes: Diameter Tolerance



Specified Diameter Outside or inside (mm)	Allowable Deviation of Mean Diameter $\frac{1}{2} (AA+BB)$ from Specified Diameter (Dia Tolerance) mm $\pm$	Allowable Deviation of Diameter at Any Point from Specified Diameter (Ovalness Tolerance) mm $\pm$
From 9 up to 18	0.25	0.50
Over 18 up to 30	0.30	0.60
Over 30 up to 40	0.36	0.80
Over 40 up to 50	0.45	0.90
Over 50 up to 60	0.54	1.00
Over 60 up to 80	0.60	1.30
Over 80	1% of Dia	2.5% of Dia

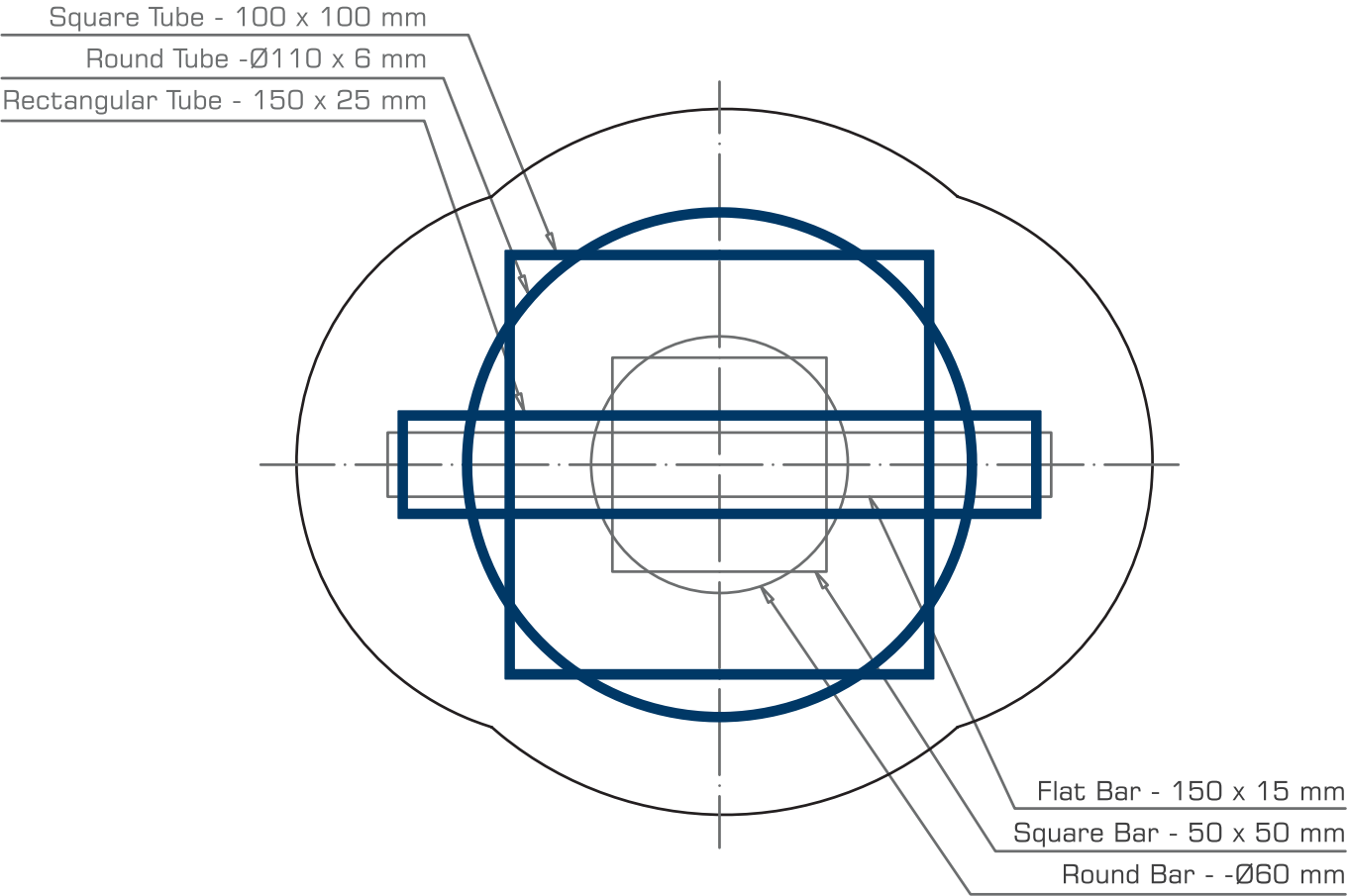
NOTE :

- When outside diameter, inside diameter and wall thickness are all specified, standard tolerances are applicable to any two of these dimensions, but not to all three.
- Mean diameter is the average of two diameter measurement taken at right angles to each other at any point along the length. In other words, mean diameter is $\frac{1}{2} (AA+ BB)$.
- Ovalness tolerance is not applicable for annealed temper or if the wall thickness is less than 2.5% of the outside diameter

CHEMICAL COMPOSITION

Sr. No.	Alloy			Si%		Fe%	Mg%		Mn%		Cu%		Other%	Remarks
	ISS (Old)	ISS (New)	USA	Min	Max	Max	Min	Max	Min	Max	Min	Max	Total	
1	1C	19000	1100	-	0.50	0.60	-	-	-	0.10	-	0.10	0.10	Aluminium 99.0% Min
2	-	-	1200	Si + Fe = 1.0		-	-	-	-	0.05	-	0.05	0.10	Aluminium 99.0% Min
3	1B	19500	1050	-	0.25	0.40	-	0.05	-	0.05	-	0.05	0.10	Aluminium 99.5% Min
4	1E	19501	-	-	0.15	0.35	-	-	-	0.03	-	0.04	0.10	Aluminium 99.5% Min
5	-	-	1350	-	0.10	0.40	-	-	-	0.01	-	0.05	0.10	Aluminium 99.5% Min
6	-	19600	1060	-	0.25	0.35	-	-	-	0.03	-	0.05	0.10	Aluminium 99.6% Min
7	-	19700	1070	-	0.20	0.25	-	-	-	0.03	-	0.03	0.10	Aluminium 99.7% Min
8	H15	24345	2014	0.50	1.20	0.70	0.20	0.80	0.30	1.20	3.50	5.00	0.50	-
9	H14	24534	2017	0.20	0.70	0.70	0.40	1.20	0.40	1.20	3.50	4.70	0.50	-
10	-	-	2024	-	0.50	0.50	1.20	1.80	0.30	0.90	3.80	4.90	-	Zn = 0.25 Max, Cr = 0.10%
11	N3	31000	3003	-	0.60	0.70	-	0.10	1.00	1.50	-	0.10	0.40	-
12	-	-	3103	0.03	0.15	0.25	-	0.10	1.05	1.20	0.05	0.10	-	-
13	N21	43000	4043	4.50	6.00	0.60	-	0.20	-	0.50	-	0.10	0.20	-
14	N2	46000	4047	10.00	13.00	0.60	-	0.20	-	0.50	-	0.10	0.20	-
15	N4	52000	5052	-	0.60	0.50	1.70	2.60	-	0.50	-	0.10	0.40	Cr + Mn = 0.5%
16	N5	53000	5086	-	0.60	0.50	2.80	4.00	-	0.50	-	0.10	0.40	Cr + Mn = 0.5%
17	N6	55000	5056	-	0.60	0.70	4.50	5.60	-	0.50	-	0.10	0.40	Chromium upto 0.25%
18	N8	54300	5083	-	0.40	0.70	4.00	4.90	0.50	1.00	-	0.10	0.40	Chromium upto 0.25%
19	H20	65032	-	0.40	0.80	0.70	0.70	1.20	0.20	0.80	0.15	0.40	0.40	Cr = 0.15 - 0.35%
20	-	-	6061	0.40	0.80	0.70	0.80	1.20	-	0.15	0.15	0.40	0.40	Chromium upto 0.35%
21	H9	63400	6063	0.30	0.70	0.60	0.40	0.90	-	0.30	-	0.10	0.40	-
22	-	-	6066	0.90	1.80	0.50	0.80	1.40	0.60	1.10	0.70	1.20	0.40	-
23	-	64423	-	0.70	1.30	0.80	0.50	1.30	-	1.00	0.50	1.00	-	-
24	91E	63401	6101	0.30	0.70	0.50	0.40	0.90	-	0.03	-	0.05	0.10	-
25	-	64401	6201	0.50	0.90	0.50	0.60	0.90	-	0.03	-	0.10	0.10	-
26	H30	64430	6351	0.60	1.30	0.60	0.40	1.20	0.40	1.00	-	0.10	0.30	-
27	-	-	6082	0.70	1.30	0.50	0.60	1.20	0.40	1.00	-	0.10	0.30	Chromium upto 0.25%
28	-	74530	7039	-	0.40	0.70	2.30	3.30	0.10	0.40	-	0.20	0.40	Zinc 4.0 - 5.0%
29	-	-	7075	-	0.50	0.50	2.10	2.90	-	0.30	1.20	2.00	0.20	Zinc 5.10 - 6.10%

SIZING CAPABILITIES



BARS

FLAT BAR



Sr. No.	Die No.	Size (mm)		Weight	
		A	B	kg/m	12'
1	11135	12.15	7.20	0.235	0.860
2	11131	19.00	3.00	0.153	0.560
3	11124	19.10	6.35	0.327	1.197
4	11001	20.00	10.00	0.540	1.976
5	11116	23.00	1.50	0.096	0.351
6	11110	23.00	2.50	0.155	0.567
7	11101	25.00	2.00	0.135	0.490
8	11123	25.00	3.00	0.202	0.707
9	11102	25.00	4.00	0.270	1.000
10	11103	25.00	5.00	0.337	1.230
11	11112	25.00	6.00	0.400	1.460
12	11120	25.00	8.00	0.538	1.970
13	11104	25.00	10.00	0.675	2.470
14	11126	25.00	12.00	0.810	2.964
15	11106	30.00	3.00	0.243	0.900
16	11117	30.00	8.00	0.647	2.371
17	11118	30.00	10.00	0.809	2.964
18	11114	30.00	18.00	1.450	5.330
19	11137	28.00	30.00	2.268	8.301
20	11130	32.00	6.00	0.518	1.896
21	11121	32.00	10.00	0.864	3.162
22	11125	32.00	1.60	0.122	0.447
23	11119	32.00	12.00	1.036	3.794
24	11134	33.60	1.30	0.117	0.428
25	11113	38.00	3.00	0.307	1.120
26	11105	38.00	5.00	0.513	1.870
27	11115	38.00	8.00	0.820	3.000
28	11111	38.00	12.00	1.230	4.500
29	11132	38.10	25.40	2.612	9.560
30	11128	40.00	1.80	0.194	0.710
31	11133	40.00	5.00	0.540	1.976
32	11107	40.00	6.00	0.648	2.370
33	11127	40.00	6.50	0.702	2.569
34	11108	40.00	10.00	1.080	3.950

Note : A : Width, B : Height, Weight Range : (± 7% to 10%)

BARS

FLAT BAR



Sr. No.	Die No.	Size (mm)		Weight	
		A	B	kg/m	12'
35	11109	40.00	12.00	1.296	4.740
36	11136	40.00	16.00	1.728	6.324
37	11129	44.30	1.40	0.167	0.611
38	11122	45.00	9.00	1.093	4.002
39	11205	50.00	1.50	0.202	0.738
40	11204	50.00	2.00	0.270	0.988
41	11203	50.00	3.00	0.405	1.480
42	11201	50.00	6.00	0.810	2.960
43	11202	50.00	10.00	1.350	4.940
44	11207	50.00	12.00	1.620	5.929
45	11208	50.80	16.00	2.194	8.030
46	11209	50.80	19.05	2.612	9.560
47	11312	50.80	25.40	3.483	12.750
48	11320	50.80	32.00	4.389	16.064
49	11313	60.00	10.00	1.620	5.929
50	11315	63.00	6.00	1.020	3.733
51	11308	63.00	10.00	1.700	6.220
52	11319	63.50	25.40	4.354	15.936
53	11317	63.50	32.00	5.486	20.079
54	11301	65.00	10.00	1.755	6.420
55	11309	75.00	2.50	0.506	1.852
56	11314	75.00	6.00	1.215	4.447
57	11303	75.00	10.00	1.890	6.900
58	11304	75.00	12.00	2.430	8.900
59	11302	76.00	3.00	0.615	2.250
60	11310	76.00	6.00	1.231	4.506
61	11321	76.00	12.70	2.605	9.534
62	11316	76.20	16.00	3.291	12.045
63	11311	76.20	19.05	3.919	14.343
64	11318	76.20	25.40	5.225	19.124
65	11305	80.00	4.00	0.864	3.160
66	11306	80.00	10.00	2.160	7.900
67	11307	80.00	12.00	2.590	9.470
68	11405	100.00	6.00	1.620	5.929

Note : A : Width, B : Height, Weight Range : (± 7% to 10%)



BARS

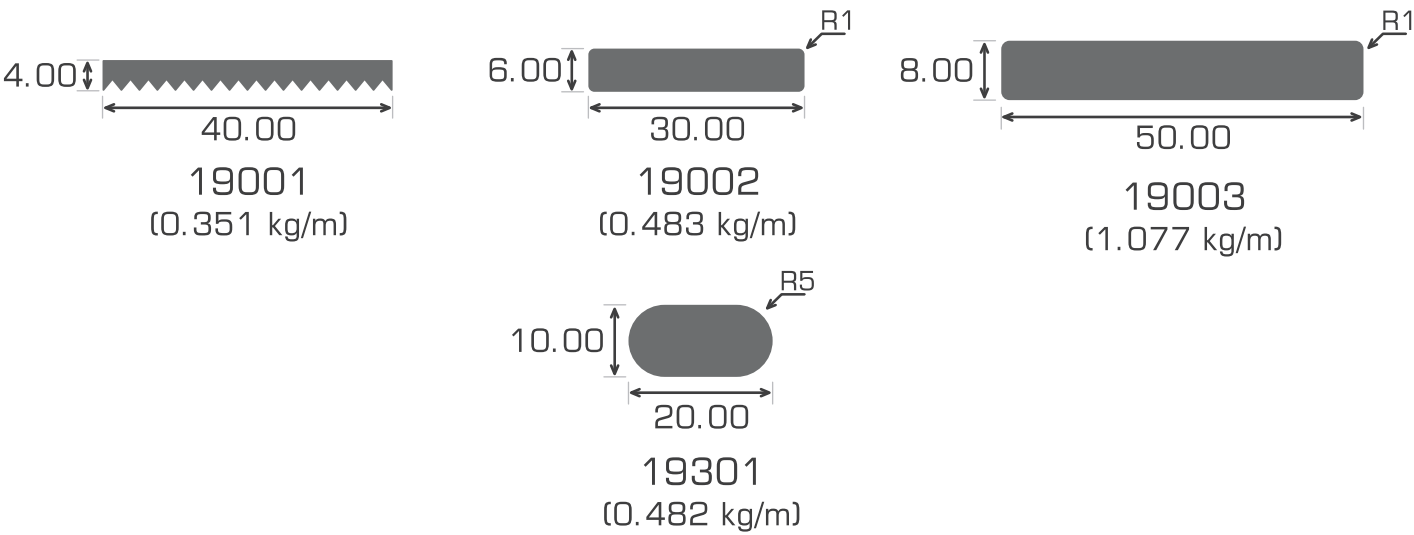
FLAT BAR



Sr. No.	Die No.	Size (mm)		Weight	
		A	B	kg/m	12'
69	11401	100.00	10.00	2.700	9.900
70	11402	100.00	12.00	3.240	11.850
71	11409	101.60	16.00	4.389	16.064
72	11404	101.60	19.05	5.225	19.123
73	11410	100.00	20.00	5.400	19.764
74	11406	101.60	25.40	6.967	25.499
75	11407	120.00	10.00	3.240	11.858
76	11403	120.00	12.00	3.888	14.230
77	11601	125.00	10.00	3.375	12.350
78	11408	127.00	6.00	2.057	7.529
79	11602	127.00	10.00	3.429	12.550
80	11603	127.00	16.00	5.486	20.079
81	11702	150.00	10.00	4.050	14.820
82	11701	150.00	12.00	4.860	17.800
83	11703	152.40	6.35	2.612	9.560
84	11704	152.40	12.70	5.225	19.124

Note : A : Width, B : Height, Weight Range : (± 7% to 10%)

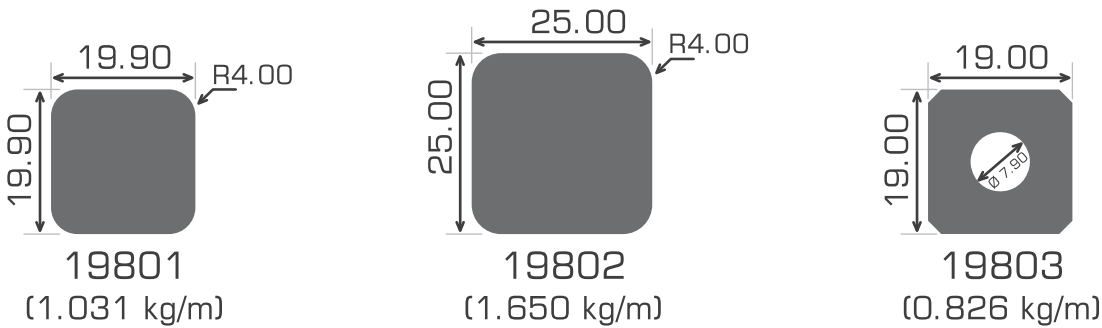
SPECIAL FLAT BAR



BARS



SPECIAL BAR



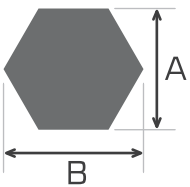
SQUARE BAR



Sr. No.	Die No.	Size (mm)	Weight	
		A	kg/m	12'
1	23001	6.00	0.097	0.355
2	23002	10.00	0.270	0.988
3	23003	12.70	0.435	1.592
4	23004	19.00	0.974	3.565
5	23006	20.00	1.079	3.950
6	23008	25.00	1.687	6.176
7	23010	32.00	2.764	10.116
8	23005	38.10	3.919	14.344
9	23009	40.00	4.320	15.811

Note : A : Width, Weight Range : (± 7% to 10%)

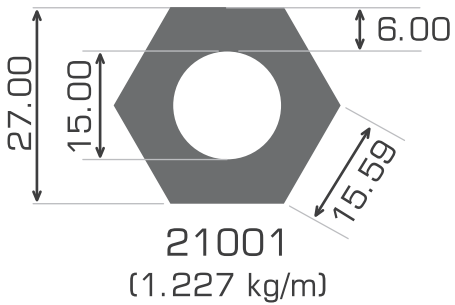
HEXAGON BAR



Sr. No.	Die No.	Size (mm)		Weight	
		A	B	kg/m	12'
1	21002	19.00	21.94	0.843	3.089
2	21003	25.00	28.87	1.461	5.348
3	21004	32.00	36.95	2.394	6.620

Note : A : Width, B : Height, Weight Range : (± 7% to 10%)

HEXAGON ROUND TUBE



BARS

ROUND BAR

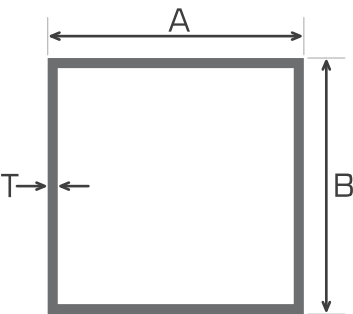


Sr. No.	Die No.	Size (mm)	Weight	
		A	kg/m	12'
1	10009	Ø 6.00	0.076	0.278
2	10006	Ø 7.00	0.103	0.377
3	10024	Ø 8.00	0.135	0.494
4	10034	Ø 10.00	0.212	0.776
5	10005	Ø 10.50	0.233	0.853
6	10026	Ø 11.00	0.256	0.937
7	10027	Ø 12.00	0.305	1.116
8	10031	Ø 12.70	0.341	1.248
9	10032	Ø 15.00	0.477	1.746
10	10028	Ø 15.88	0.534	1.954
11	10018	Ø 17.00	0.612	2.240
12	10030	Ø 18.00	0.657	2.405
13	10023	Ø 18.90	0.757	2.771
14	10007	Ø 19.00	0.765	2.800
15	10025	Ø 19.55	0.810	2.967
16	10029	Ø 20.00	0.848	3.104
17	10022	Ø 22.20	1.045	3.825
18	10004	Ø 24.25	1.247	4.564
19	10001	Ø 25.00	1.325	4.850
20	10003	Ø 25.40	1.360	4.978
21	10002	Ø 28.00	1.662	6.083
22	10010	Ø 30.00	1.908	6.983
23	10008	Ø 32.00	2.171	7.946
24	10033	Ø 33.00	2.309	8.451
25	10011	Ø 35.00	2.597	9.505
26	10012	Ø 36.00	2.748	10.058
27	10013	Ø 38.00	3.062	11.207
28	10014	Ø 40.00	3.392	12.415
29	10015	Ø 42.00	3.740	13.688
30	10019	Ø 44.50	4.199	15.368
31	10016	Ø 45.00	4.294	15.716
32	10017	Ø 50.80	5.472	20.028
33	10020	Ø 57.10	6.913	25.302
34	10021	Ø 60.00	7.630	27.926
35	10101	Ø 61.50	8.020	29.353

Note : A : Diameter, Weight Range : (± 7% to 10%)

TUBE

SQUARE TUBE



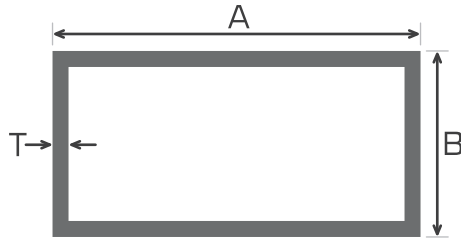
Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	30001	19.00	19.00	1.00	0.194	0.710
2	30003	20.00	20.00	1.50	0.299	1.960
3	30002	20.00	20.00	2.00	0.388	1.420
4	30004	22.00	22.00	0.95	0.215	0.787
5	30101	25.00	25.00	1.50	0.380	1.390
6	30102	25.00	25.00	2.00	0.496	1.800
7	30107	25.40	25.40	2.00	0.505	1.849
8	30103	38.00	38.00	1.00	0.399	1.460
9	30104	38.00	38.00	1.25	0.496	1.800
10	30105	38.00	38.00	1.50	0.590	2.100
11	30106	38.00	38.00	2.00	0.765	2.800
12	30108	38.00	38.00	3.00	1.134	4.150
13	30111	38.10	38.10	1.25	0.497	1.819
14	30109	40.00	40.00	0.80	0.338	1.237
15	30110	40.00	40.00	1.50	0.623	2.282
16	30201	50.00	50.00	1.00	0.529	1.930
17	30202	50.00	50.00	1.20	0.634	2.320
18	30203	50.00	50.00	1.50	0.785	2.870
19	30206	50.00	50.00	3.00	1.522	5.571
20	30204	50.80	50.80	2.00	1.036	3.790
21	30205	50.80	50.80	2.50	1.304	4.773
22	30301	62.00	62.00	2.00	1.296	4.740
23	30403	75.00	75.00	1.20	0.956	3.441
24	30401	75.00	75.00	2.50	1.950	7.130
25	30402	75.00	75.00	2.00	1.576	5.770
26	30405	85.00	85.00	2.00	1.792	6.559

Note : A : Width, B : Height, T : Thikness, Weight Range : (± 7% to 10%)



TUBE

RECTANGLE TUBE

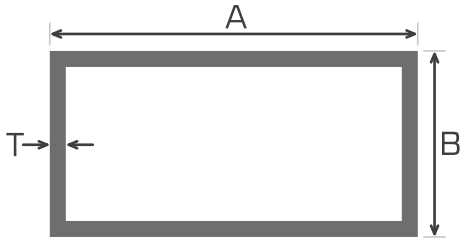


Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	20115	25.00	12.00	1.20	0.224	0.810
2	20005	38.00	24.00	1.00	0.324	1.186
3	20007	38.00	24.00	1.20	0.386	1.400
4	20008	38.00	24.00	1.50	0.477	1.745
5	20009	38.00	24.00	1.60	0.508	1.850
6	20119	38.10	19.00	1.50	0.438	1.600
7	20117	38.10	25.40	2.00	0.642	2.350
8	20104	48.00	24.00	0.90	0.341	1.240
9	20105	48.00	24.00	1.40	0.523	1.900
10	20220	48.00	24.00	1.80	0.666	2.437
11	20114	50.00	19.00	1.50	0.541	1.980
12	20111	50.00	25.00	2.00	0.766	2.800
13	20101	50.80	12.70	1.10	0.364	1.330
14	20102	50.80	19.00	1.10	0.401	1.460
15	20107	50.80	25.40	1.00	0.400	1.460
16	20108	50.80	25.40	1.20	0.478	1.740
17	20109	50.80	25.40	1.50	0.590	2.170
18	20110	50.80	25.40	1.60	0.630	2.300
19	20120	50.80	25.40	2.50	0.961	3.517
20	20121	50.80	25.40	3.00	1.137	4.161
21	20122	50.80	25.40	2.70	1.032	3.777
22	20112	50.00	38.00	2.00	0.900	3.320
23	20118	50.00	38.00	1.80	0.820	3.000
24	20113	50.80	38.10	1.50	0.695	2.546
25	20116	54.50	24.30	1.10	0.445	1.620
26	20212	60.00	40.00	1.50	0.785	2.873
27	20214	60.00	40.00	4.00	1.987	7.272
28	20201	62.00	25.40	1.00	0.461	1.680
29	20202	62.00	25.40	1.20	0.550	2.000
30	20213	62.00	25.40	2.40	1.070	3.916

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)

TUBE

RECTANGLE TUBE



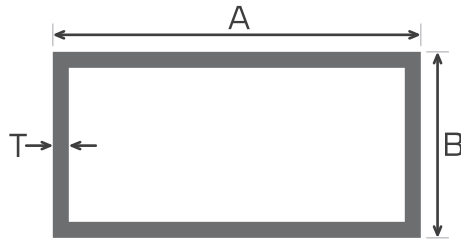
Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
31	20203	62.00	38.00	0.80	0.425	1.550
32	20204	62.00	38.00	0.90	0.477	1.740
33	20205	62.00	38.00	1.00	0.529	1.930
34	20206	62.00	38.00	1.50	0.785	2.870
35	20207	62.00	38.00	1.20	0.632	2.310
36	20208	62.00	38.00	1.60	0.836	3.050
37	20209	62.00	38.00	1.80	0.937	3.420
38	20210	62.00	38.00	2.00	1.036	3.790
39	20211	63.50	38.10	2.00	1.053	3.854
40	20301	76.00	12.70	1.70	0.783	2.860
41	20302	76.00	19.00	1.10	0.551	2.000
42	20311	76.00	19.00	1.50	0.745	2.727
43	20303	73.00	20.00	1.00	0.491	1.790
44	20315	75.00	25.00	1.20	0.632	2.313
45	20314	75.00	50.00	1.50	0.988	3.616
46	20310	75.00	50.00	2.00	1.306	1.790
47	20312	75.00	50.00	3.00	1.920	7.055
48	20304	76.00	25.40	0.90	0.484	1.770
49	20305	76.00	25.40	1.50	0.797	2.900
50	20306	76.00	25.00	3.00	1.539	5.630
51	20307	76.00	12.90	3.00	1.342	4.910
52	20316	76.00	38.00	1.20	0.723	3.213
53	20308	76.00	38.00	1.50	0.899	3.290
54	20313	76.00	38.00	2.00	1.188	4.348
55	20309	80.00	40.00	2.00	1.252	4.580
56	20317	80.00	40.00	3.00	1.846	6.756
57	20410	100.00	12.00	1.50	0.918	3.360
58	20411	100.00	19.00	1.50	0.975	3.560
59	20403	100.00	25.00	3.00	1.927	7.050
60	20404	100.00	38.00	1.50	1.098	4.000

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)



TUBE

RECTANGLE TUBE



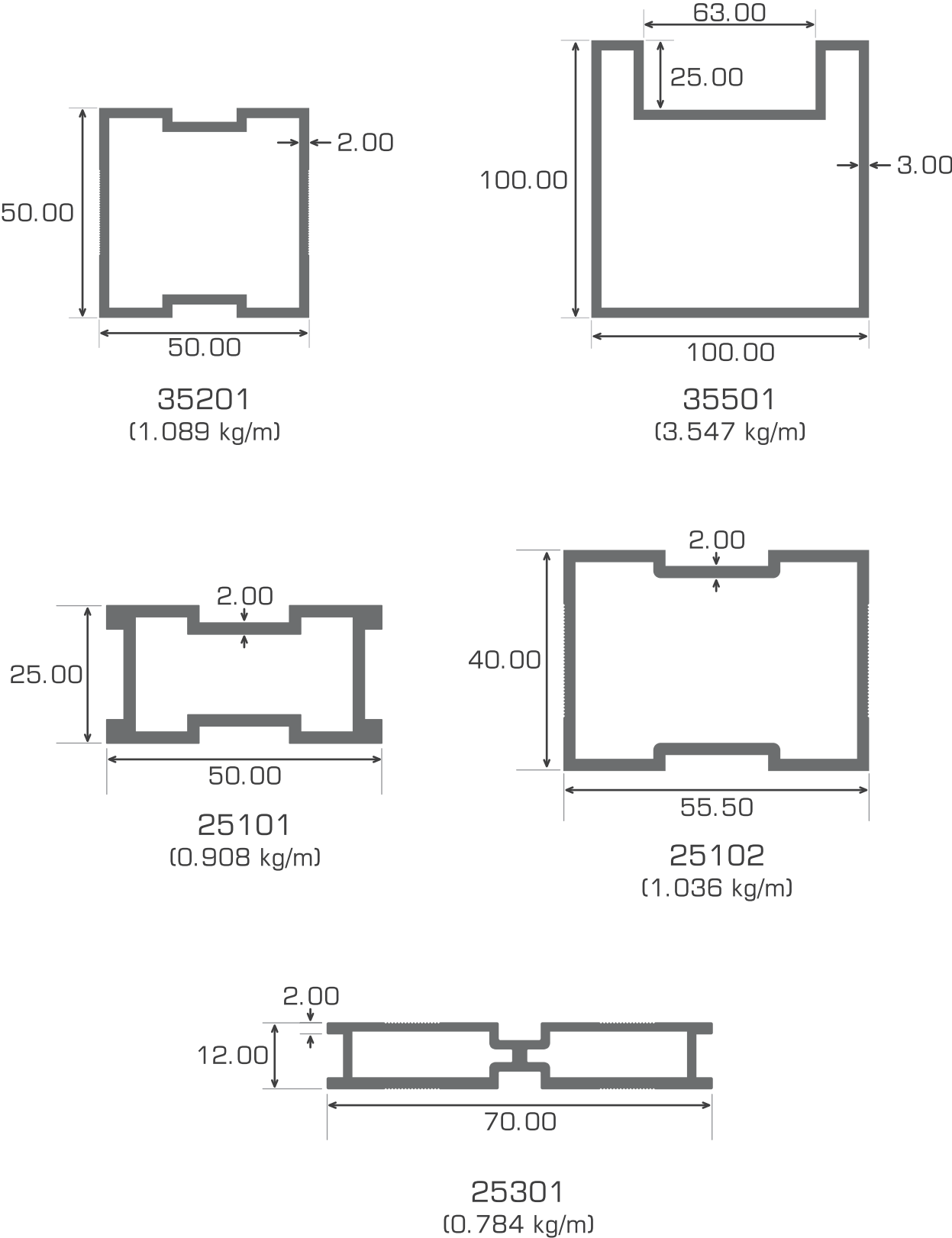
Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
61	20405	100.00	25.00	0.90	0.598	2.180
62	20412	100.00	25.00	1.00	0.664	2.430
63	20417	100.00	25.00	1.30	0.859	3.144
64	20406	100.00	25.00	1.50	0.988	3.600
65	20416	101.60	44.45	1.50	1.158	4.238
66	20407	100.00	50.00	1.50	1.190	4.350
67	20408	100.00	50.00	1.70	1.340	4.900
68	20415	100.00	50.00	1.80	1.423	5.208
69	20409	100.00	50.00	2.00	1.576	5.750
70	20414	100.00	50.00	2.50	1.957	7.164
71	20413	100.00	75.00	2.00	1.846	6.750
72	20401	101.00	12.70	1.10	0.662	2.420
73	20402	101.00	19.00	1.10	0.699	2.550
74	20501	112.00	55.00	1.60	1.415	5.170
75	20601	125.00	25.00	1.00	0.799	2.920

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)

TUBE

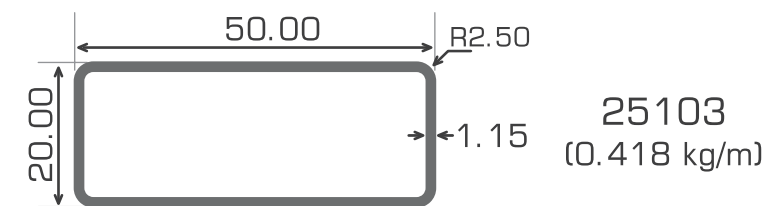
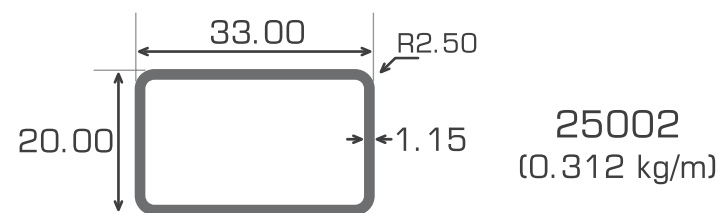
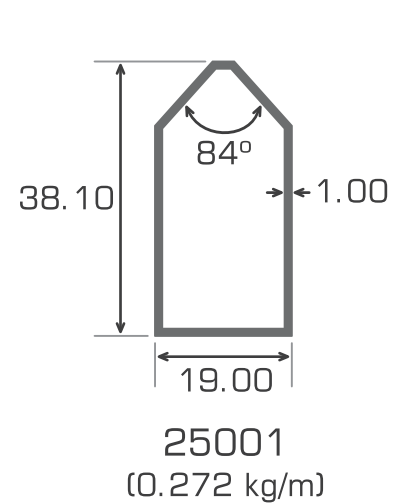
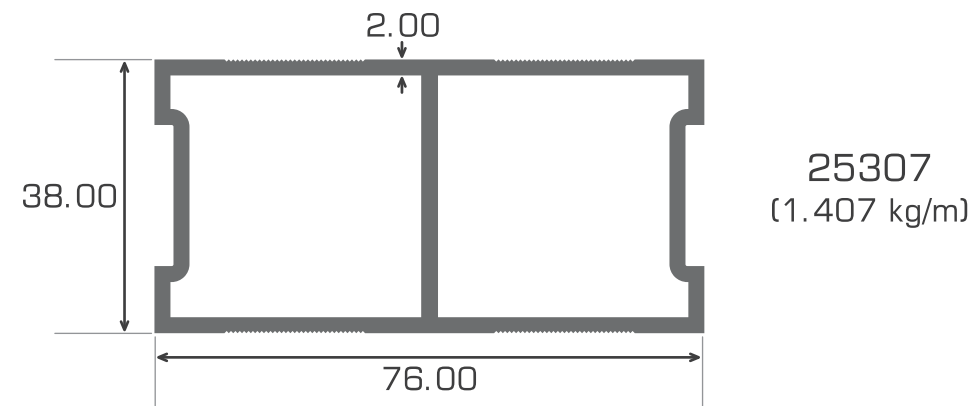
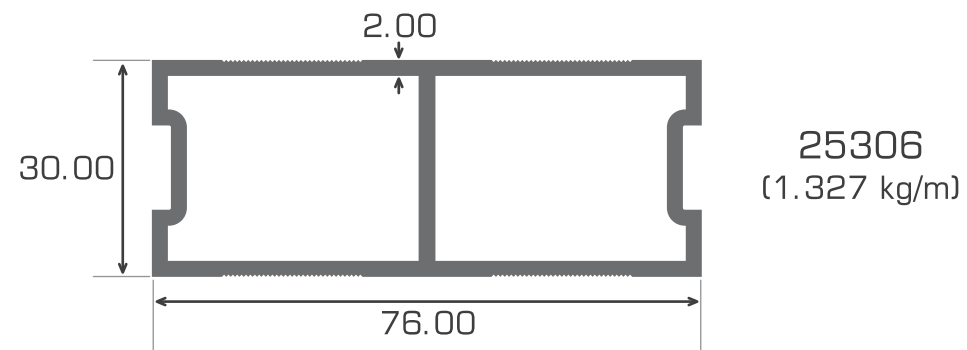
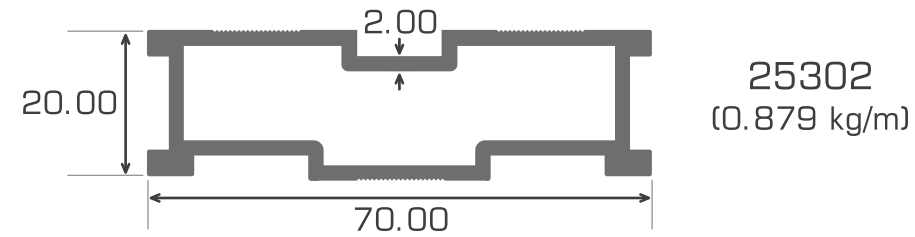


SPECIAL SQUARE & RECTANGLE TUBE



TUBE

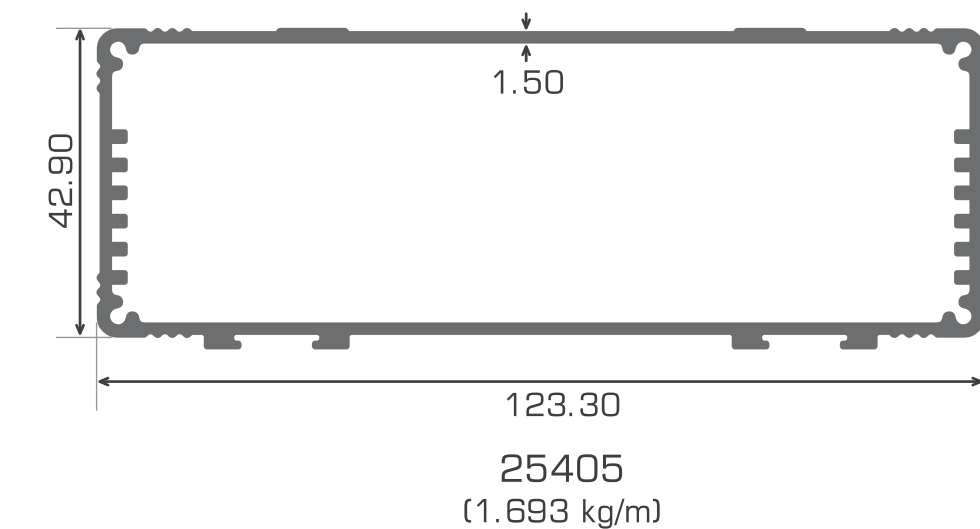
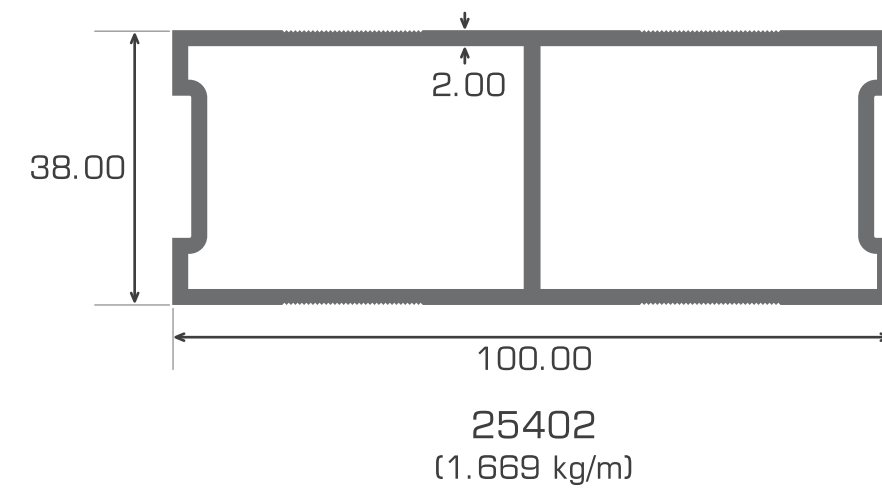
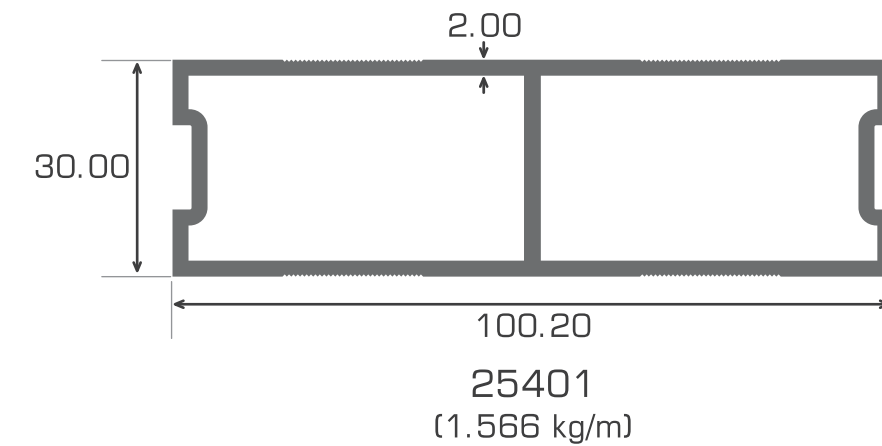
SPECIAL SQUARE & RECTANGLE TUBE



TUBE

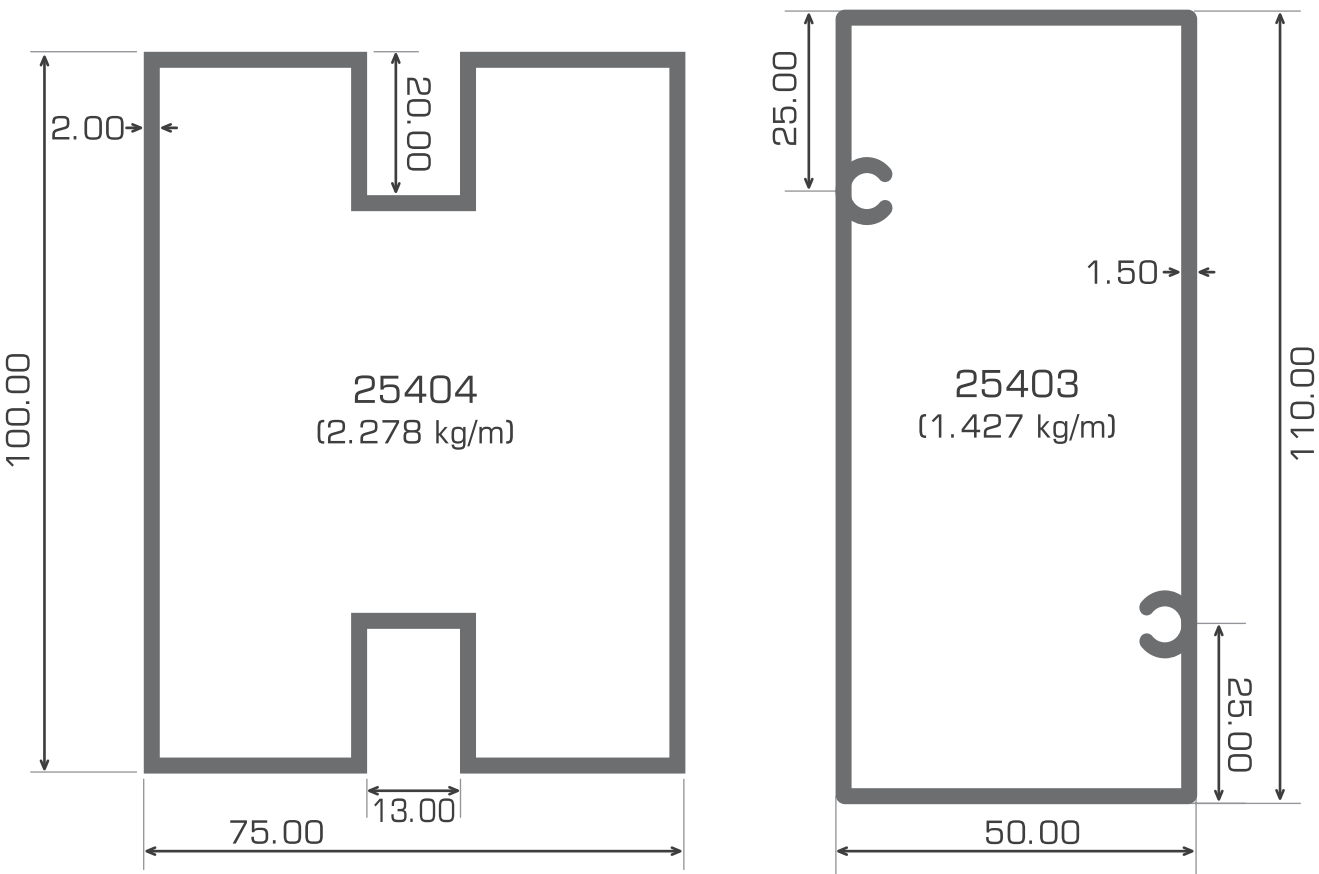


SPECIAL SQUARE & RECTANGLE TUBE

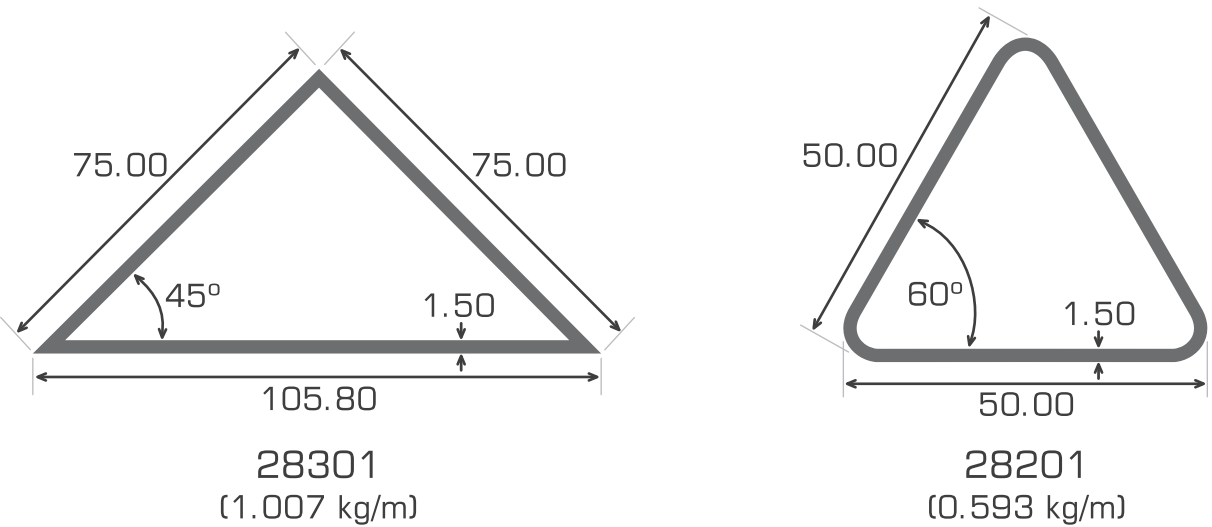


TUBE

SPECIAL SQUARE & RECTANGLE TUBE

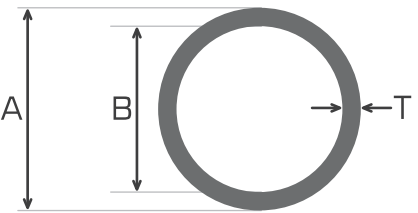


TRIANGLE TUBE



TUBE

ROUND TUBE

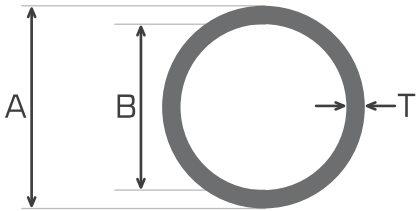


Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	14014	Ø 8.00	Ø 3.00	2.50	0.116	0.425
2	14001	Ø 9.00	Ø 7.00	1.00	0.067	0.240
3	14013	Ø 9.60	Ø 7.20	1.20	0.085	0.311
4	14002	Ø 12.00	Ø 10.00	1.00	0.093	0.340
5	14008	Ø 12.70	Ø 7.60	3.55	0.280	1.024
6	14007	Ø 14.00	Ø 8.60	2.70	0.258	0.947
7	14004	Ø 14.80	Ø 8.30	3.25	0.318	1.160
8	14018	Ø 16.00	Ø 13.00	1.50	0.184	0.673
9	14010	Ø 16.00	Ø 14.00	1.00	0.130	0.475
10	14022	Ø 16.00	Ø 13.50	1.25	0.156	0.572
11	14003	Ø 18.00	Ø 16.20	0.90	0.130	0.470
12	14023	Ø 18.00	Ø 15.00	1.50	0.209	0.767
13	14005	Ø 19.00	Ø 5.50	6.75	0.700	2.567
14	14009	Ø 19.04	Ø 12.20	3.42	0.450	1.647
15	14011	Ø 19.10	Ø 12.74	3.18	0.429	1.570
16	14017	Ø 21.00	Ø 15.40	2.70	0.432	1.581
17	14006	Ø 22.00	Ø 12.00	5.00	0.720	2.630
18	14015	Ø 22.00	Ø 14.20	3.90	0.598	2.189
19	14021	Ø 24.00	Ø 20.74	1.63	0.309	1.131
20	14114	Ø 25.00	Ø 20.00	2.50	0.477	1.746
21	14103	Ø 25.00	Ø 12.00	6.50	1.020	3.730
22	14101	Ø 25.00	Ø 22.00	1.50	0.298	1.090
23	14020	Ø 25.40	Ø 19.10	3.15	0.594	2.174
24	14106	Ø 26.00	Ø 12.00	7.00	1.128	4.128
25	14102	Ø 25.70	Ø 15.70	5.00	0.877	3.209
26	14110	Ø 28.00	Ø 26.40	0.80	0.184	0.673
27	14109	Ø 28.00	Ø 25.00	1.50	0.337	1.233
28	14016	Ø 31.80	Ø 29.80	1.00	0.261	0.955
29	14108	Ø 31.80	Ø 25.40	3.20	0.776	2.840
30	14012	Ø 32.00	Ø 15.00	8.50	1.690	6.180
31	14107	Ø 32.00	Ø 25.00	3.50	0.846	3.096
32	14111	Ø 35.00	Ø 25.00	5.00	1.272	4.656

Note : A : Outside Diameter, B : Inside Diameter, T : Thickness, Weight Range : (± 7% to 10%)

TUBE

ROUND TUBE



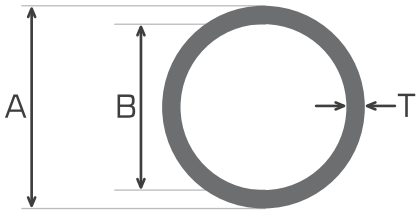
Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
33	14112	Ø 38.00	Ø 15.00	11.50	2.585	9.461
34	14113	Ø 38.00	Ø 26.00	6.00	1.628	5.958
35	14105	Ø 38.00	Ø 36.40	0.80	0.252	0.923
36	14104	Ø 38.00	Ø 35.40	1.30	0.404	1.480
37	14019	Ø 38.10	Ø 31.75	3.18	0.940	3.440
38	14204	Ø 40.00	Ø 30.00	5.00	1.484	5.430
39	14207	Ø 40.00	Ø 35.30	2.35	0.750	2.745
40	14201	Ø 42.00	Ø 34.90	3.55	1.157	4.200
41	14202	Ø 42.00	Ø 32.30	4.85	1.528	5.590
42	14220	Ø 43.00	Ø 18.00	12.50	3.234	11.836
43	14227	Ø 43.60	Ø 40.90	1.35	0.483	1.768
44	14223	Ø 44.50	Ø 38.14	3.18	1.114	4.077
45	14219	Ø 45.00	Ø 18.00	13.50	3.607	13.203
46	14205	Ø 45.20	Ø 24.80	10.20	3.028	11.000
47	14203	Ø 48.40	Ø 46.40	1.00	0.402	1.471
48	14209	Ø 50.00	Ø 44.00	3.00	1.195	4.377
49	14206	Ø 50.00	Ø 40.00	5.00	1.900	6.980
50	14212	Ø 50.00	Ø 41.00	4.50	1.736	6.353
51	14214	Ø 50.00	Ø 48.10	0.95	0.395	1.446
52	14218	Ø 50.40	Ø 46.40	2.00	0.821	3.005
53	14211	Ø 50.40	Ø 47.40	1.50	0.622	2.277
54	14226	Ø 50.60	Ø 48.60	1.00	0.420	1.537
55	14224	Ø 50.80	Ø 25.40	12.70	4.104	15.021
56	14216	Ø 51.50	Ø 39.00	6.25	2.398	8.777
57	14222	Ø 54.00	Ø 34.00	10.00	3.732	13.659
58	14217	Ø 54.50	Ø 47.00	3.75	1.614	5.907
59	14228	Ø 56.50	Ø 54.00	1.25	0.561	2.053
60	14210	Ø 60.00	Ø 40.00	10.00	4.241	15.522
61	14208	Ø 60.00	Ø 50.00	5.00	2.332	8.530
62	14225	Ø 60.00	Ø 52.40	3.80	1.811	6.628
63	14229	Ø 62.00	Ø 52.00	5.00	2.417	8.846
64	14213	Ø 63.00	Ø 60.20	1.40	0.731	2.677

Note : A : Outside Diameter, B : Inside Diameter, T : Thikness, Weight Range : (± 7% to 10%)

TUBE



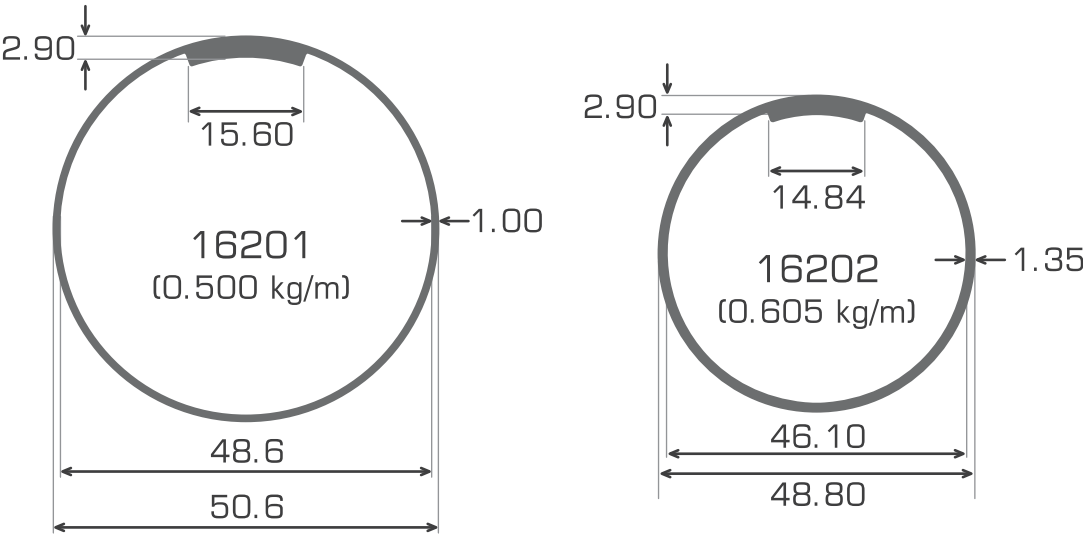
ROUND TUBE



Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
65	14215	Ø 63.50	Ø 57.20	3.15	1.701	6.226
66	14221	Ø 69.85	Ø 63.50	3.18	1.795	6.570
67	14230	Ø 75.00	Ø 65.00	5.00	2.968	10.863
68	14307	Ø 76.20	Ø 57.20	9.50	5.374	19.669
69	14301	Ø 76.20	Ø 69.80	3.20	1.980	7.240
70	14302	Ø 76.20	Ø 63.50	6.35	3.762	13.768
71	14308	Ø 82.55	Ø 76.19	3.18	2.140	7.832
72	14306	Ø 88.90	Ø 82.55	3.18	2.308	8.447
73	14303	Ø 88.90	Ø 76.20	6.35	4.446	16.273
74	14309	Ø 96.00	Ø 86.00	5.00	3.859	14.124
75	14304	Ø 101.6	Ø 88.90	6.35	5.130	18.775
76	14305	Ø 101.6	Ø 95.24	3.18	2.654	9.714

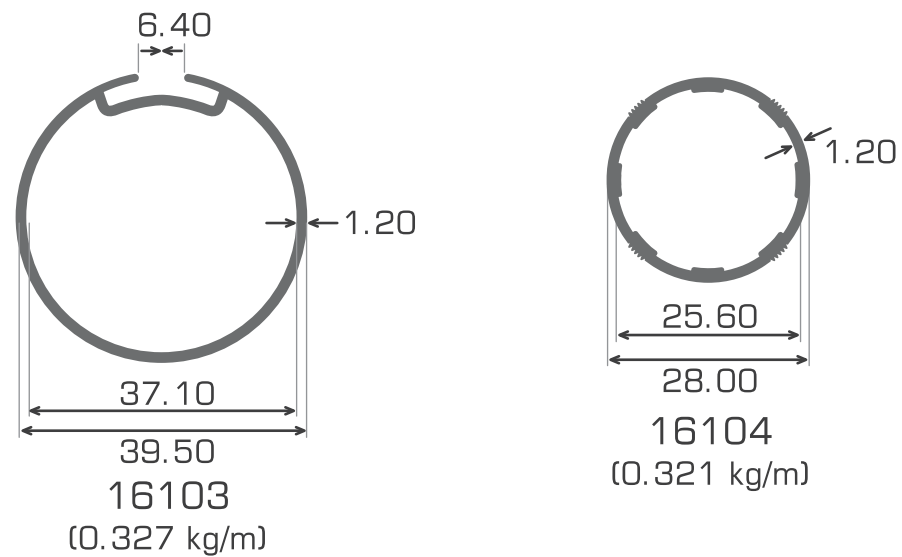
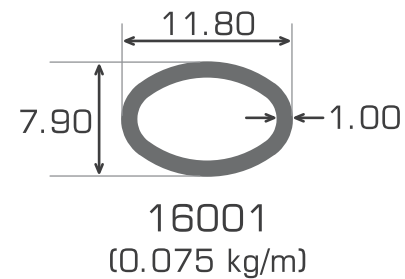
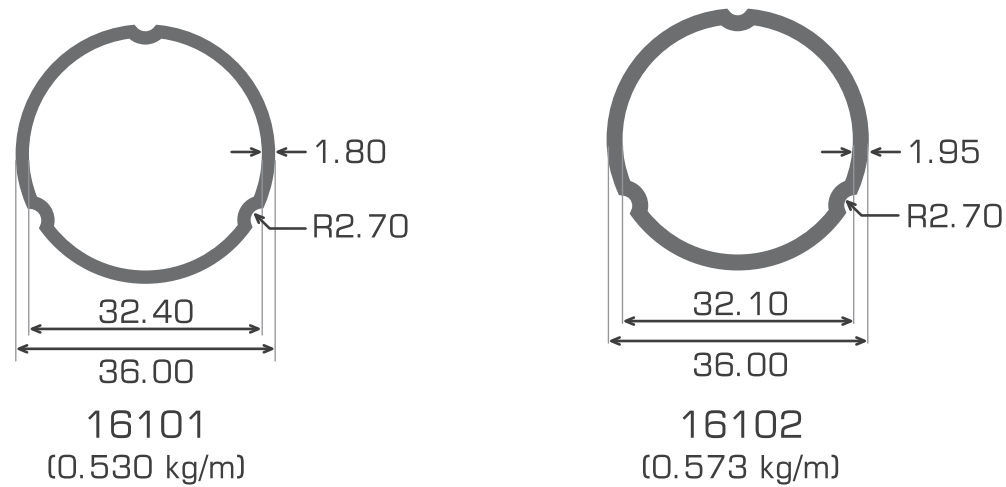
Note : A : Outside Diameter, B : Inside Diameter, T : Thikness, Weight Range : (± 7% to 10%)

SPECIAL ROUND TUBE



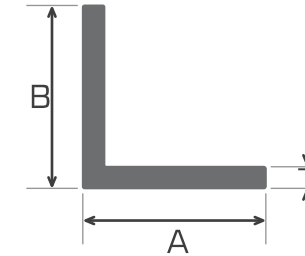
TUBE

SPECIAL ROUND TUBE



ANGLE

EQUAL L ANGLE

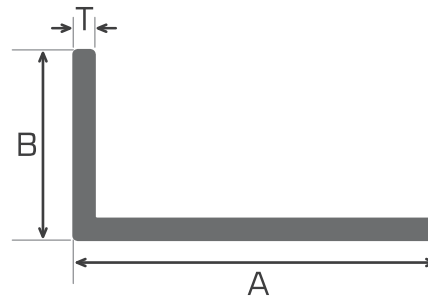


Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	12003	5.95	5.95	1.30	0.037	0.135
2	12004	12.00	12.00	1.30	0.068	0.249
3	12005	18.00	18.00	1.50	0.139	0.509
4	12001	18.00	18.00	2.50	0.226	0.820
5	12006	19.00	19.00	1.50	0.147	0.538
6	12002	19.00	19.00	2.00	0.194	0.710
7	12105	25.00	25.00	1.20	0.158	0.578
8	12113	25.00	25.00	1.50	0.196	0.717
9	12102	25.00	25.00	2.00	0.259	0.940
10	12101	25.00	25.00	3.00	0.380	1.390
11	12112	25.00	25.00	4.00	0.496	1.815
12	12106	25.40	25.40	4.75	0.590	2.159
13	12111	32.00	32.00	3.00	0.494	1.808
14	12107	38.00	38.00	1.50	0.301	1.104
15	12103	38.00	38.00	2.00	0.399	1.460
16	12104	38.00	38.00	3.00	0.590	2.160
17	12114	38.00	38.00	4.00	0.770	2.818
18	12109	38.00	38.00	5.00	0.958	3.506
19	12110	38.10	38.10	6.00	1.137	4.162
20	12108	45.00	45.00	5.00	1.147	4.199
21	12201	50.00	50.00	1.50	0.398	1.450
22	12205	50.00	50.00	2.00	0.529	1.936
23	12202	50.00	50.00	3.00	0.785	2.870
24	12206	50.80	50.80	6.00	1.548	5.665
25	12210	60.00	60.00	4.00	1.252	4.582
26	12203	63.50	63.50	3.00	1.000	3.670
27	12207	75.00	75.00	3.00	1.190	3.927
28	12204	75.00	75.00	5.00	1.957	7.162
29	12209	75.00	75.00	6.00	2.332	8.535
30	12208	76.20	76.20	6.35	2.500	9.150

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)

ANGLE

UNEQUAL L ANGLE



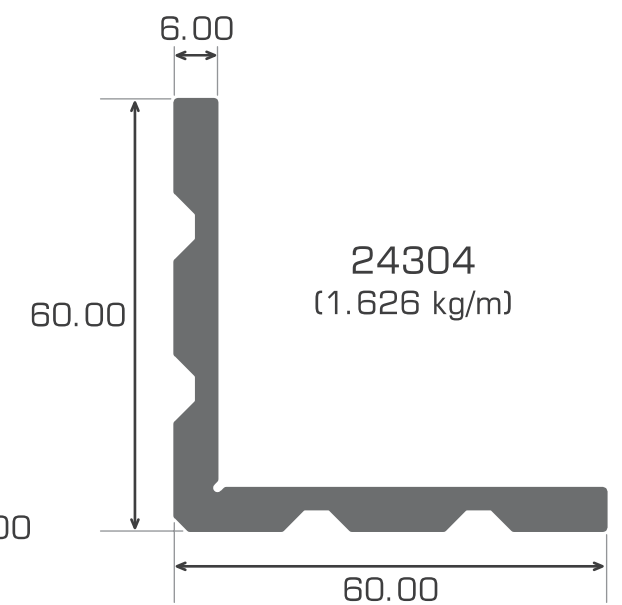
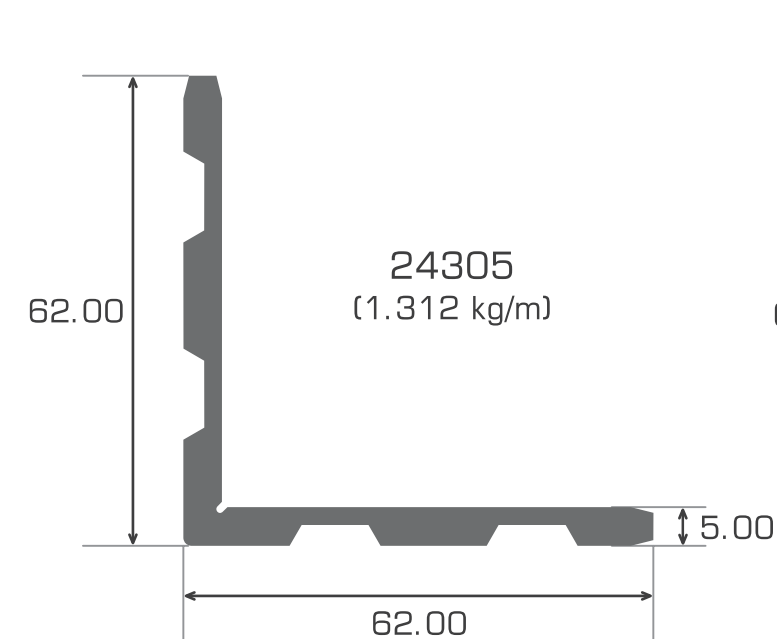
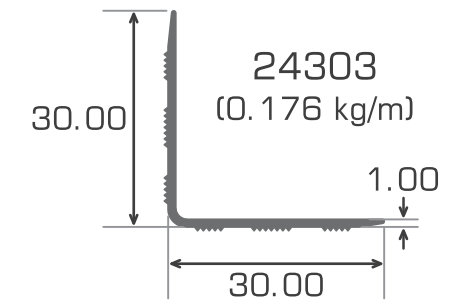
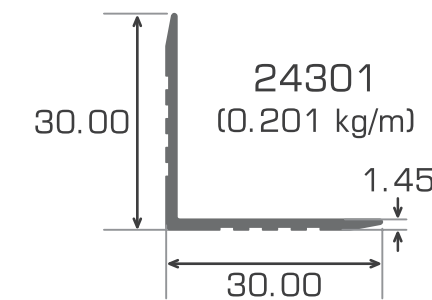
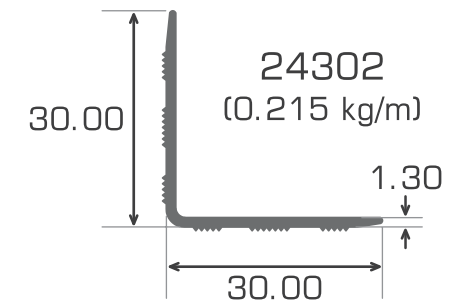
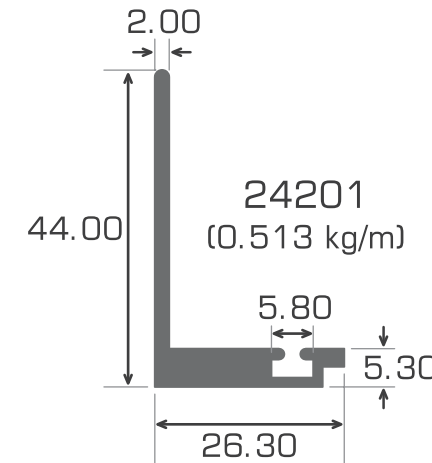
Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	13001	16.00	13.00	1.00	0.075	0.270
2	13003	20.00	15.00	2.50	0.219	0.802
3	13101	25.00	13.00	1.00	0.099	0.360
4	13102	33.00	13.00	1.00	0.120	0.430
5	13103	38.00	13.00	1.00	0.135	0.490
6	13105	38.00	24.00	3.00	0.477	1.740
7	13106	38.10	25.40	1.50	0.251	0.918
8	13104	39.00	13.00	1.00	0.137	0.500
9	13107	40.00	20.00	3.00	0.461	1.687
10	13201	43.00	13.00	1.00	0.148	0.540
11	13202	50.00	25.00	2.00	0.394	1.440
12	13205	75.00	25.00	2.00	0.785	2.873
13	13206	75.00	50.00	2.00	0.664	2.430
14	13203	75.00	50.00	5.00	1.620	5.929
15	13204	76.20	38.10	2.00	0.606	2.218
16	13401	100.00	50.00	3.00	1.190	4.350
17	13402	100.00	50.00	6.00	2.332	8.535

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)

ANGLE

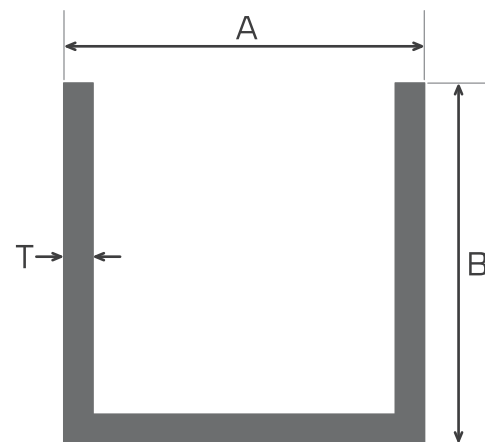


SPECIAL L ANGLE



CHANNEL

EQUAL CHANNEL

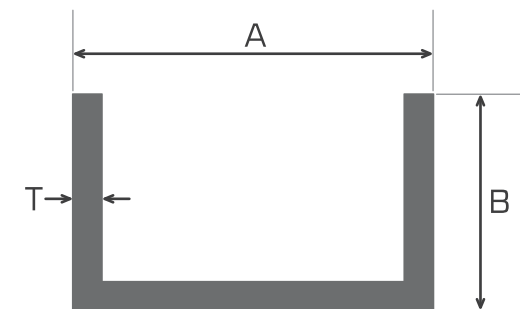


Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	17002	10.00	10.00	1.20	0.089	0.320
2	17103	25.00	25.00	1.50	0.291	1.065
3	17101	25.00	25.00	2.00	0.383	1.400
4	17104	30.00	30.00	3.00	0.680	2.489
5	17102	38.00	38.00	3.00	0.874	3.200
6	17201	45.00	45.00	2.00	0.704	2.580

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)

CHANNEL

UNEQUAL CHANNEL



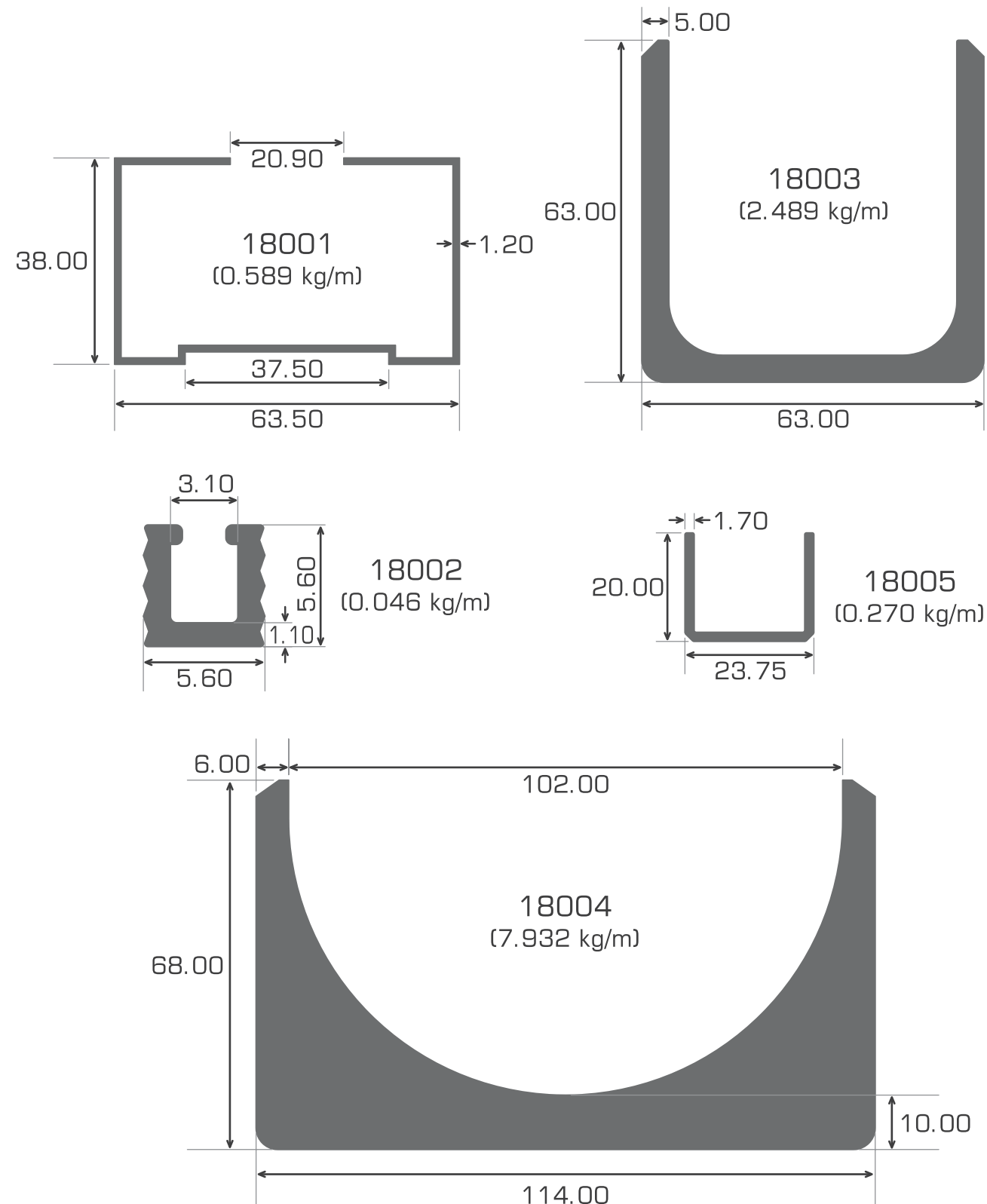
Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	17511	20.00	15.00	2.00	0.248	0.908
2	17501	21.00	15.00	1.60	0.206	0.755
3	17502	23.00	12.00	1.80	0.210	0.769
4	17503	23.75	20.00	1.70	0.270	0.988
5	17504	38.00	19.00	2.00	0.388	1.423
6	17505	50.00	25.00	2.00	0.518	1.895
7	17506	76.20	38.10	6.35	2.395	8.766
8	17507	85.00	42.00	2.00	0.890	3.260
9	17508	101.60	50.80	6.35	3.266	11.954
10	17509	100.00	75.00	6.35	4.068	14.889
11	17510	127.00	50.80	2.00	1.212	4.436

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)



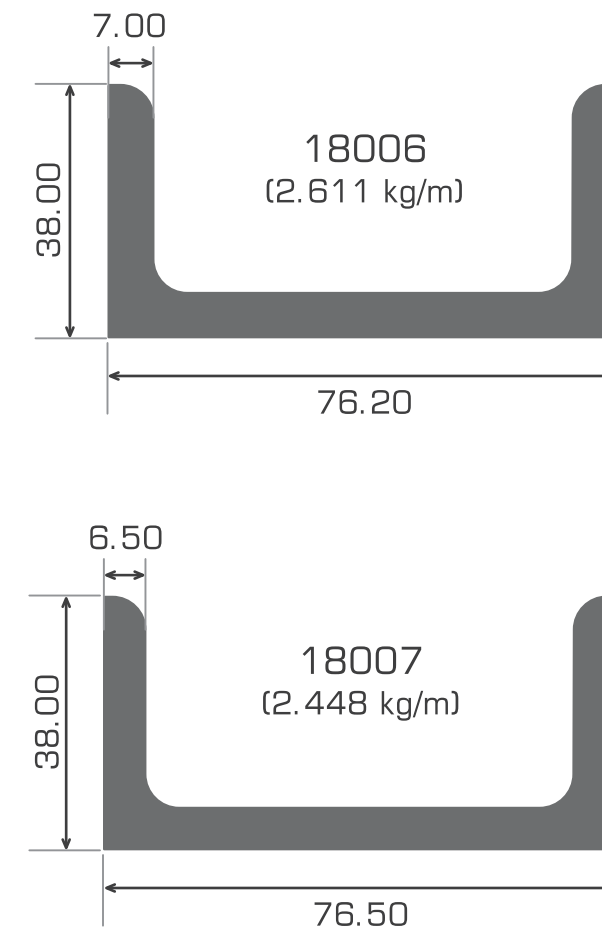
CHANNEL

SPECIAL CHANNEL

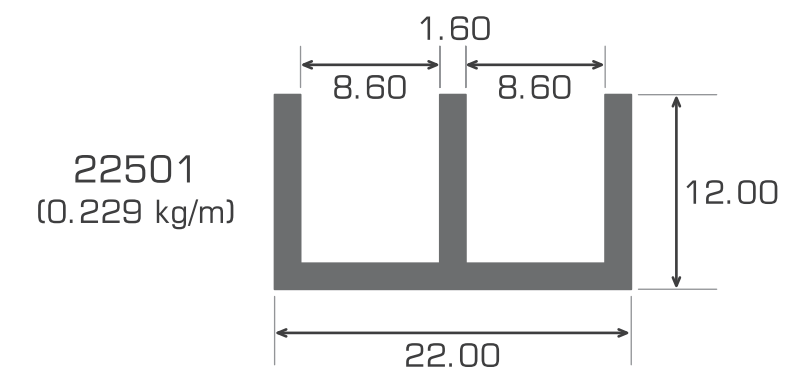


CHANNEL

SPECIAL CHANNEL

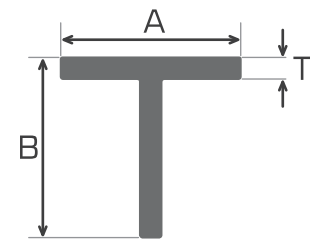


DOUBLE CHANNEL



TEES

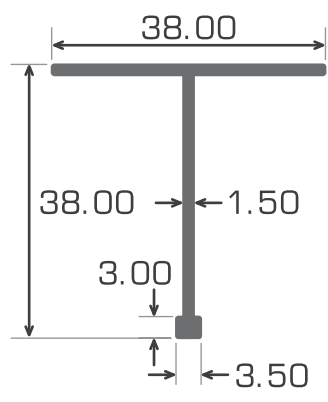
PLAIN TEE



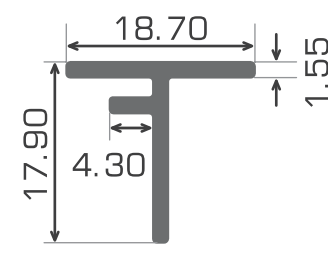
Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	15001	18.00	18.00	1.45	0.135	0.490
2	15351	24.00	28.50	2.60	0.350	1.281
3	15101	25.00	25.00	1.60	0.209	0.760
4	15302	50.00	50.00	8.00	1.987	7.272
5	15301	70.00	70.00	3.00	1.109	4.059

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)

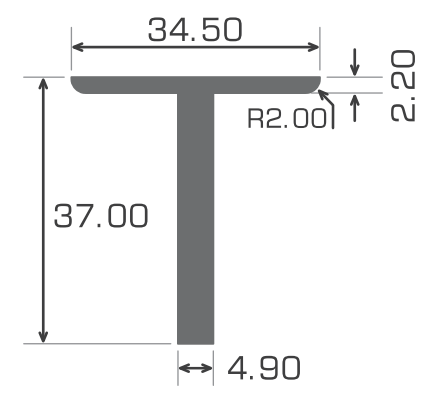
SPECIAL TEE



15701
(0.317 kg/m)



15702
(0.164 kg/m)



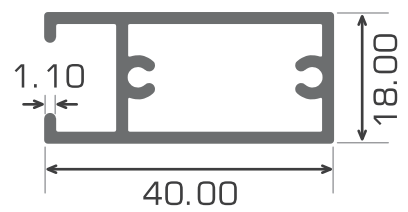
15703
(0.660 kg/m)

SLIDING WINDOW

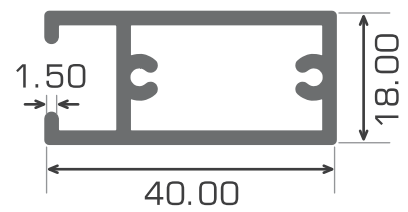


18MM SERIES

HANDLE

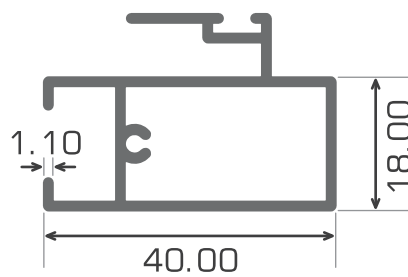


52203
(0.390 kg/m)

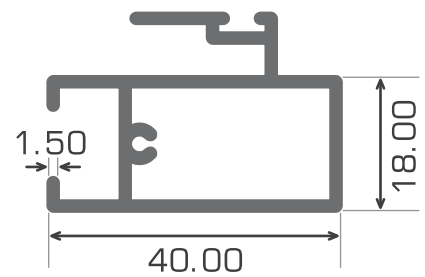


52204
(0.540 kg/m)

INTER LOCK

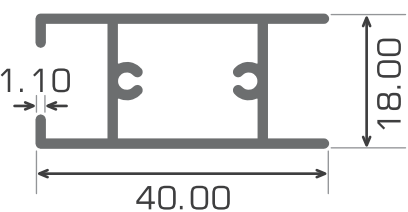


52304
(0.503 kg/m)

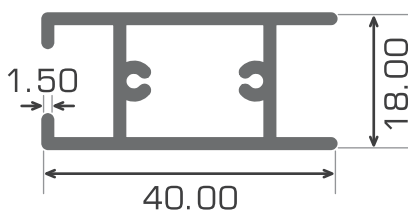


52305
(0.646 kg/m)

TOP BOTTOM



52403
(0.390 kg/m)

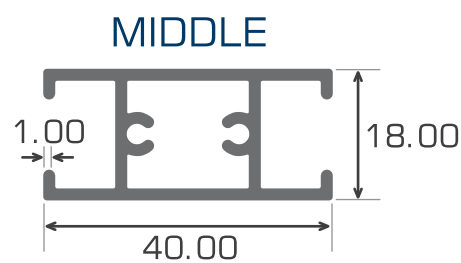


52404
(0.553 kg/m)

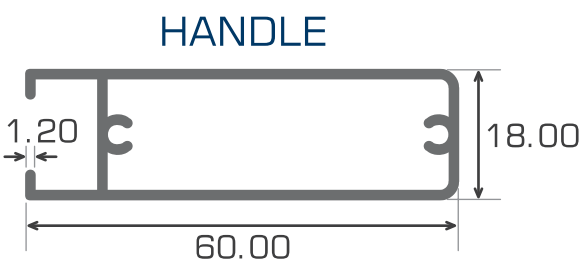


SLIDING WINDOW

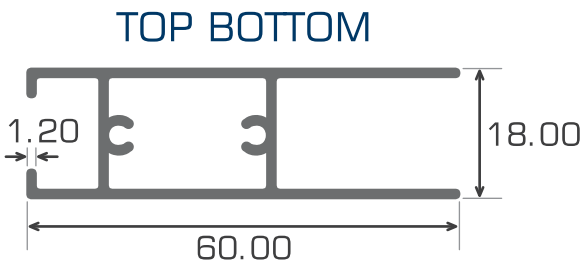
18MM SERIES



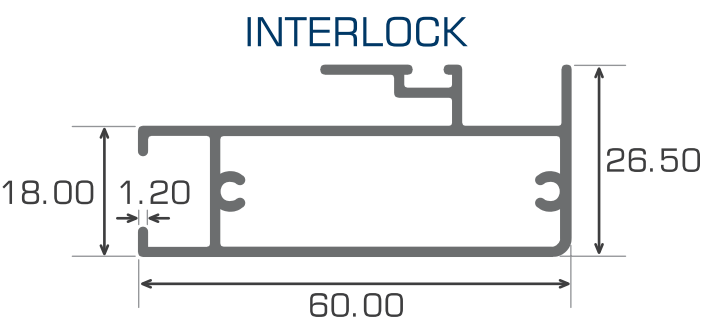
52602
(0.408 kg/m)



52251
(0.545 kg/m)



52451
(0.655 kg/m)

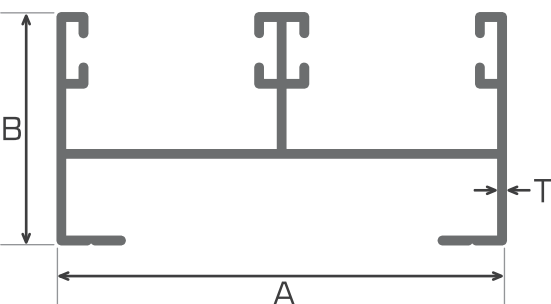


52351
(0.653 kg/m)

SLIDING WINDOW



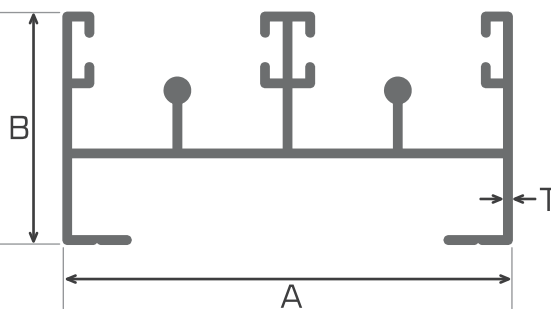
18MM SERIES



TWO TRACK TOP

Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	52003	61.00	31.75	1.00	0.532	1.947
2	52004	61.00	31.75	1.30	0.691	2.529
3	52005	61.00	31.75	1.55	0.798	2.921

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)



TWO TRACK BOTTOM

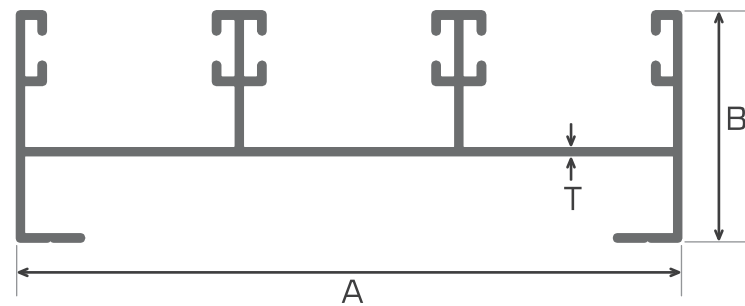
Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	52102	61.00	31.75	1.00	0.602	2.203
2	52103	61.00	31.75	1.30	0.710	2.599
3	52104	61.00	31.75	1.55	1.010	3.697

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)



SLIDING WINDOW

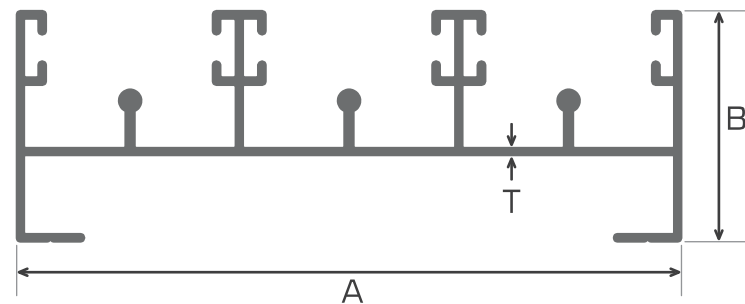
18MM SERIES



THREE TRACK TOP

Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	52052	92.00	31.75	1.05	0.705	2.580
2	52054	92.00	31.75	1.30	0.926	3.389
3	52053	92.00	31.75	1.60	1.077	3.942

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)



THREE TRACK BOTTOM

Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	52152	92.00	31.75	1.05	0.879	3.217
2	52153	92.00	31.75	1.30	1.060	3.880
3	52154	92.00	31.75	1.60	1.340	4.904

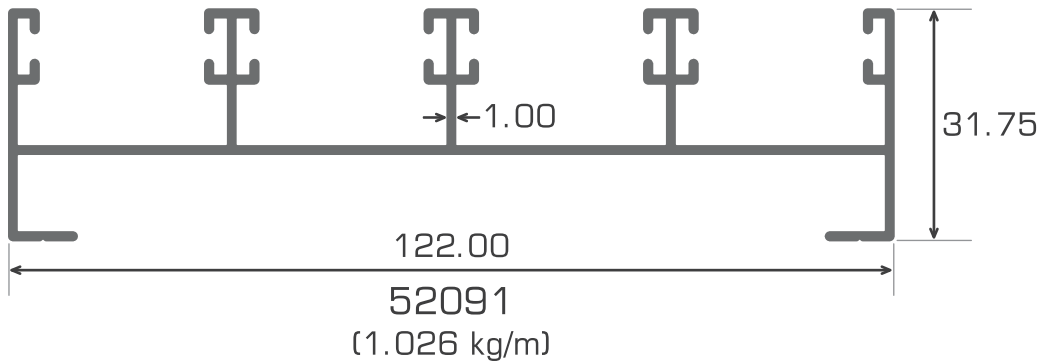
Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)

SLIDING WINDOW

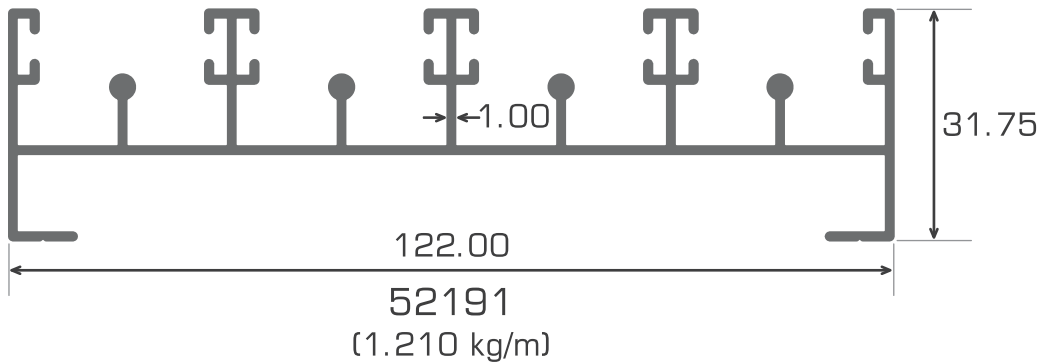


18MM SERIES

FOUR TRACK TOP

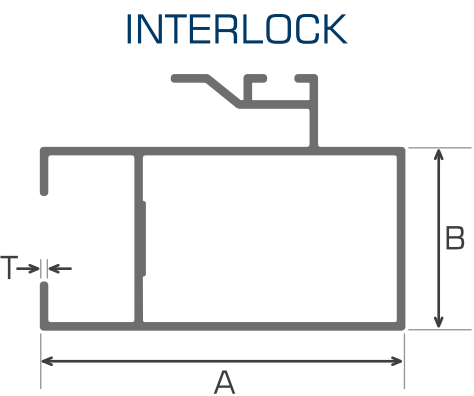


FOUR TRACK BOTTOM



SLIDING WINDOW

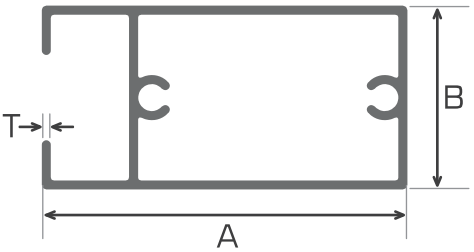
25MM SERIES



Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	53301	50.00	25.00	1.00	0.500	1.850
2	53302	50.00	25.00	1.20	0.646	2.360

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)

HANDLE



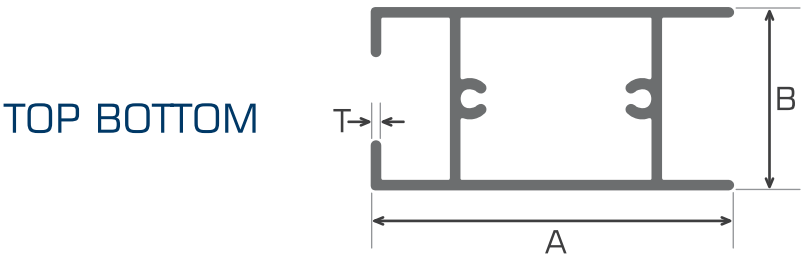
Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	53202	50.00	25.00	1.00	0.500	1.830
2	53204	50.00	25.00	1.20	0.562	2.057
3	53203	50.00	25.00	1.50	0.725	2.654

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)

SLIDING WINDOW



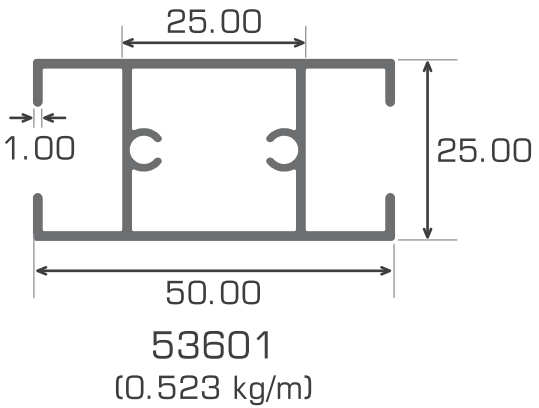
25MM SERIES



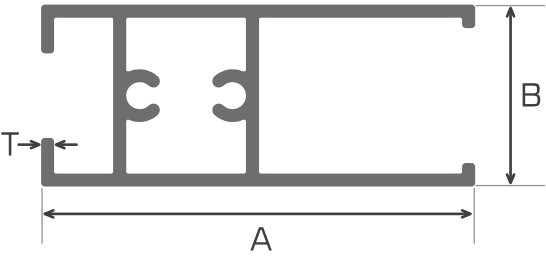
Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	53401	50.00	25.00	1.00	0.470	1.720
2	53403	50.00	25.00	1.20	0.550	2.013
3	53402	50.00	25.00	1.85	0.890	3.257

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)

MIDDLE



BEARING BOTTOM



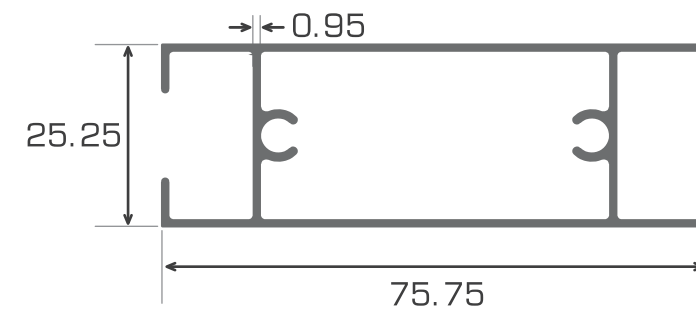
Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	53501	60.00	25.00	1.00	0.543	1.987
2	53502	60.00	25.00	1.10	0.600	2.196
3	53503	60.00	25.00	1.50	0.790	2.891

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)

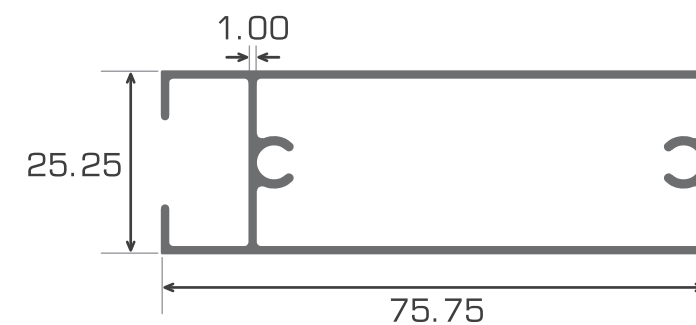
SLIDING WINDOW

25MM SERIES

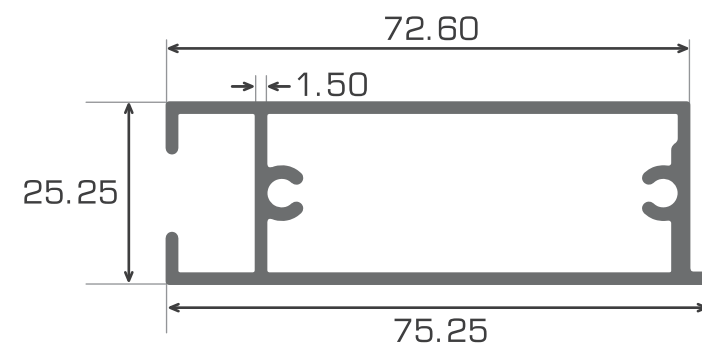
HANDLE



33406
(0.612 kg/m)



33405
(0.612 kg/m)



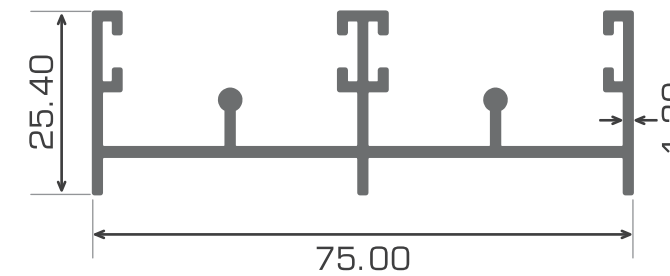
33402
(0.945 kg/m)

SLIDING WINDOW



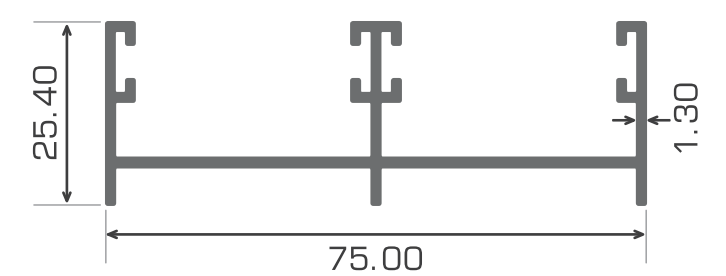
25MM SERIES

TWO TRACK BOTTOM



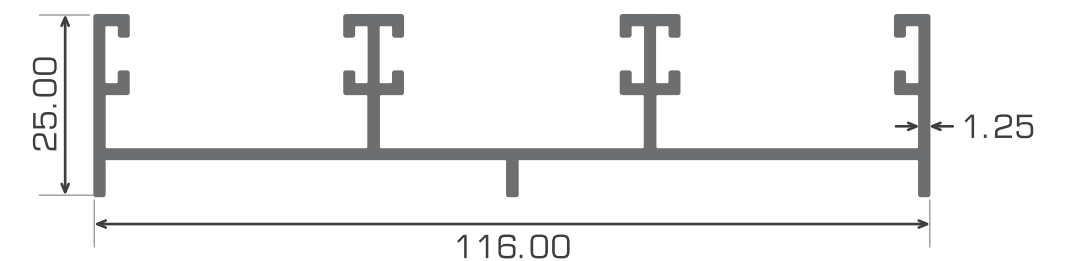
53101
(0.724 kg/m)

TWO TRACK TOP

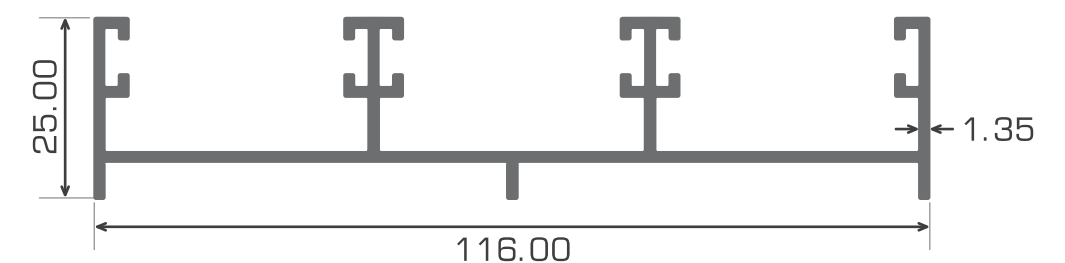


53001
(0.612 kg/m)

THREE TRACK TOP



53051
(0.975 kg/m)

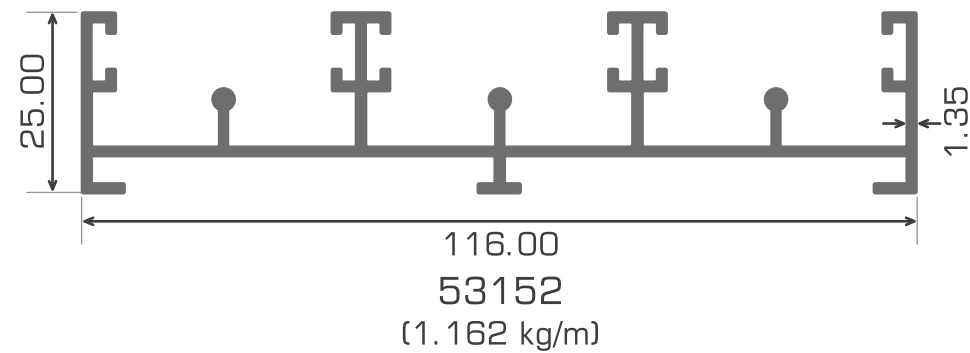
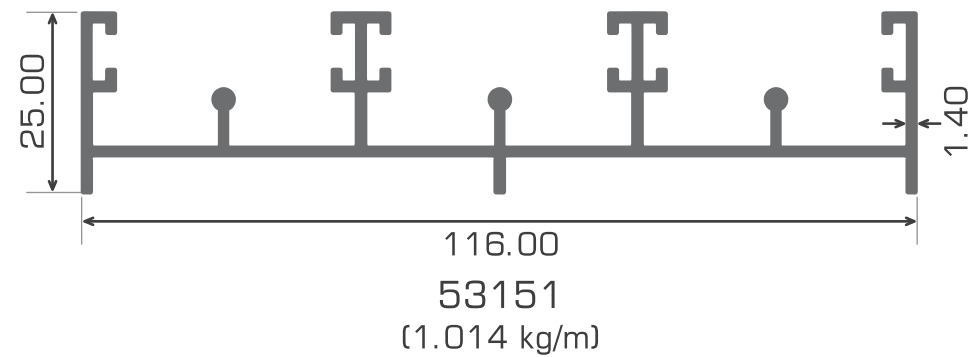


53052
(0.990 kg/m)

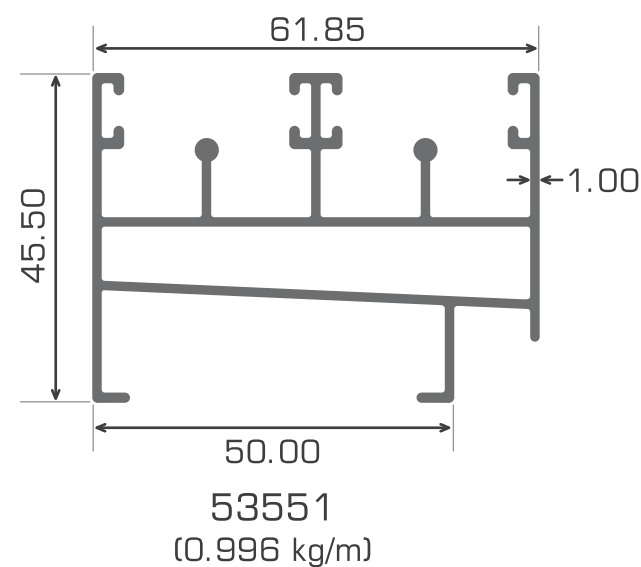
SLIDING WINDOW

25MM SERIES

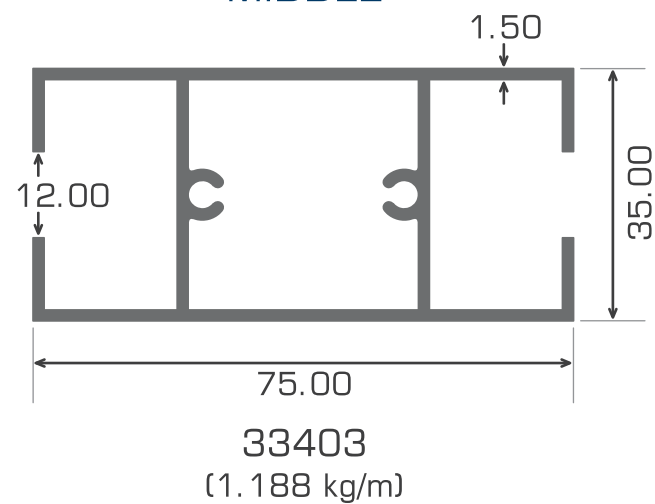
THREE TRACK BOTTOM



TWO TRACK BOTTOM HOLLOW



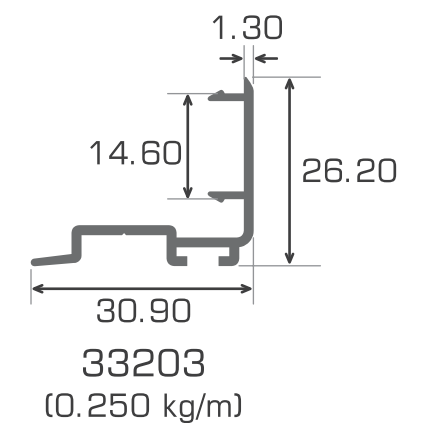
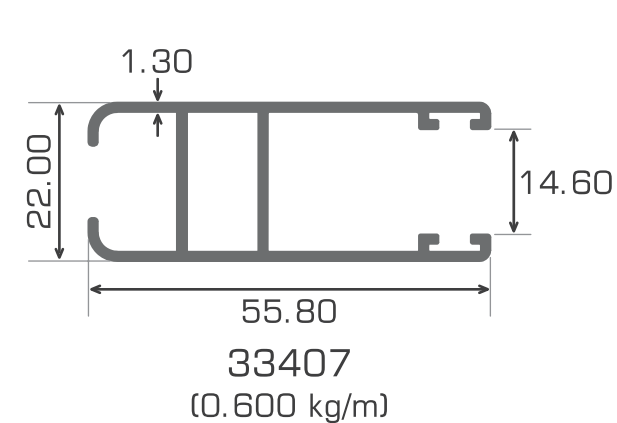
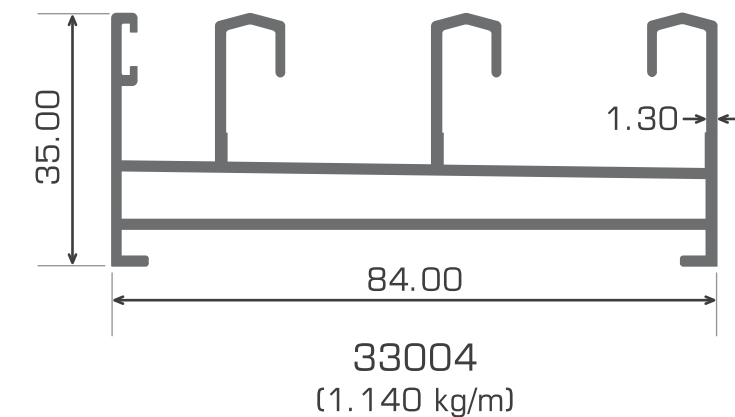
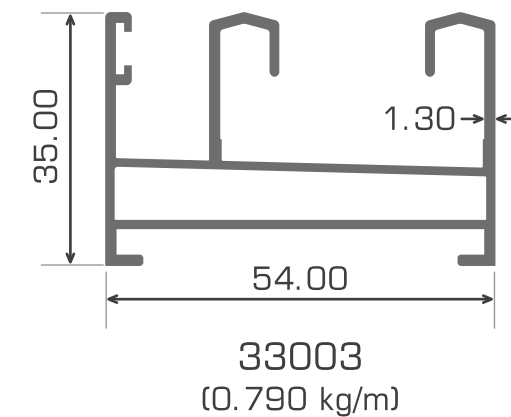
MIDDLE



SLIDING WINDOW - EURO SERIES

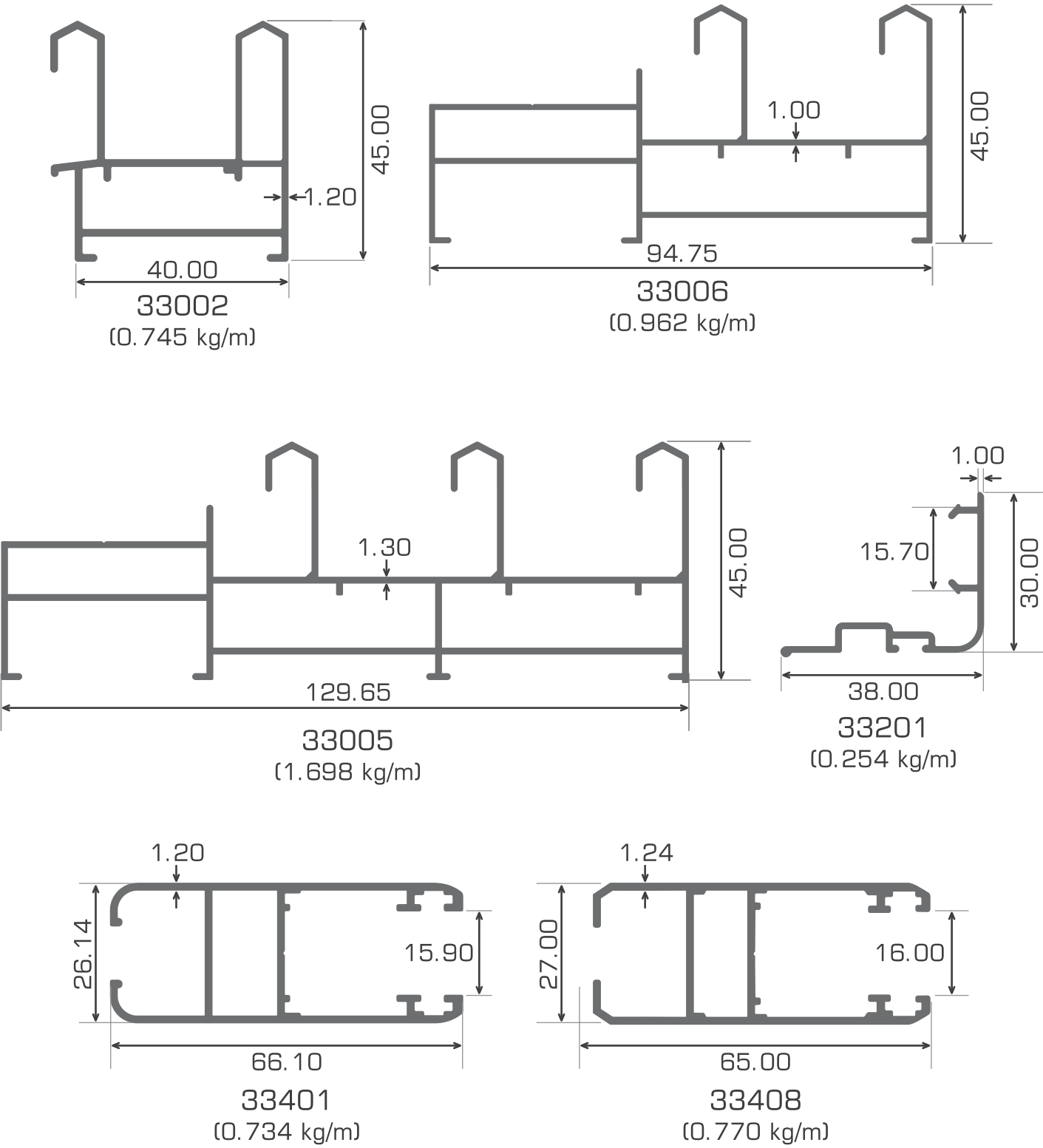


22MM SERIES



SLIDING WINDOW - EURO SERIES

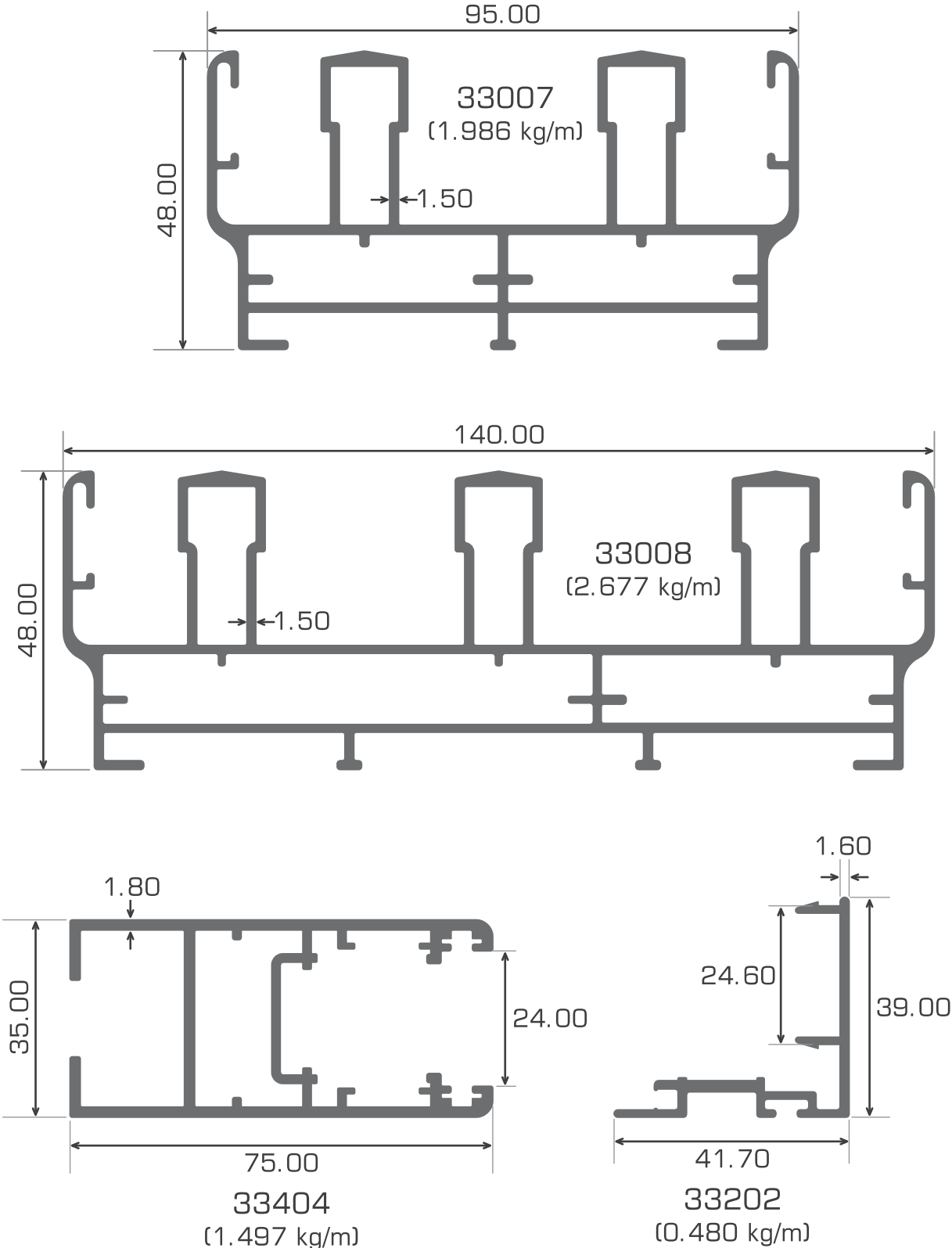
26MM SERIES



SLIDING WINDOW - EURO SERIES

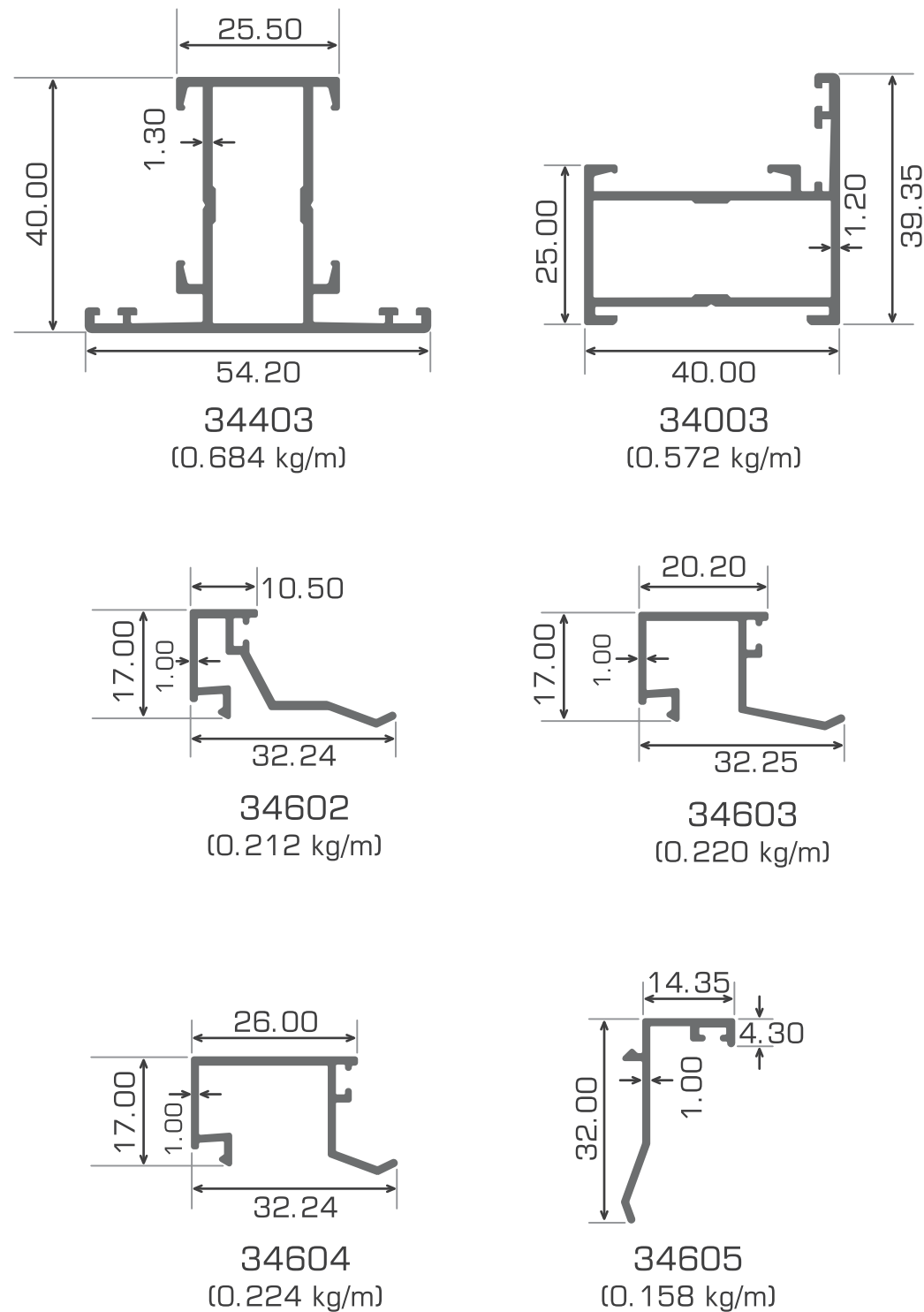


35MM SERIES



CASEMENT WINDOWS SERIES

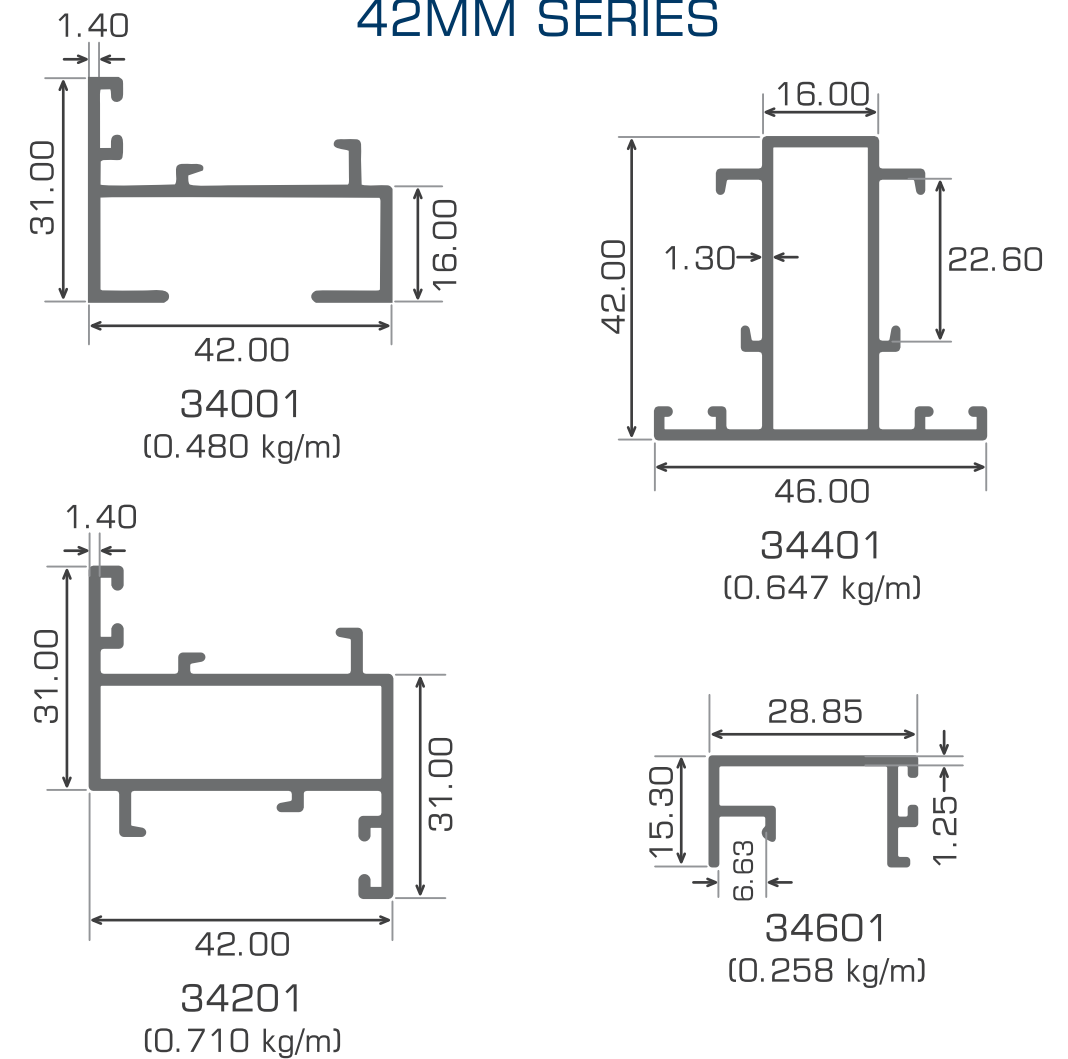
40MM SERIES



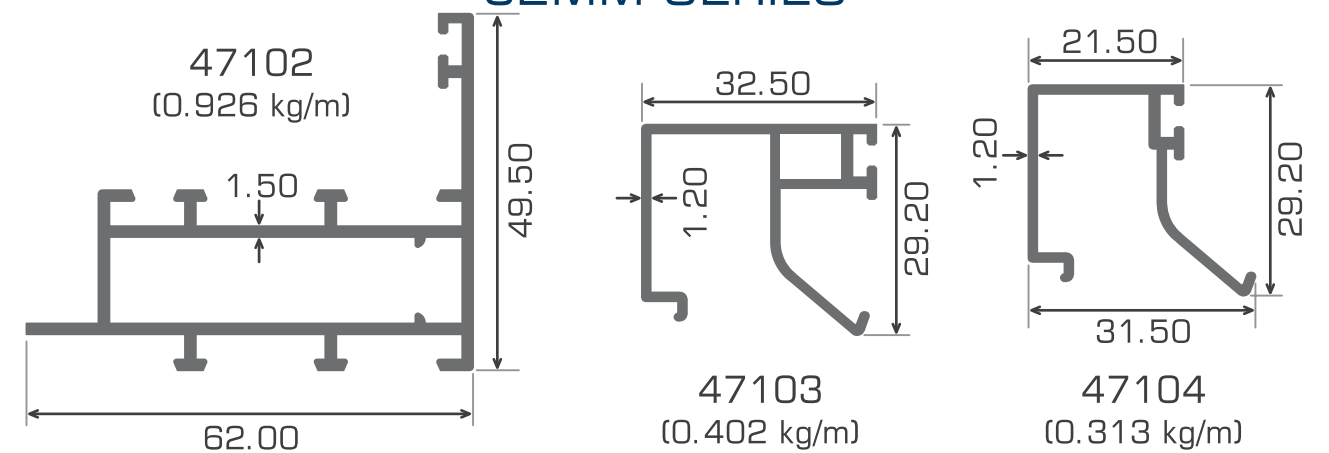
CASEMENT WINDOWS SERIES



42MM SERIES

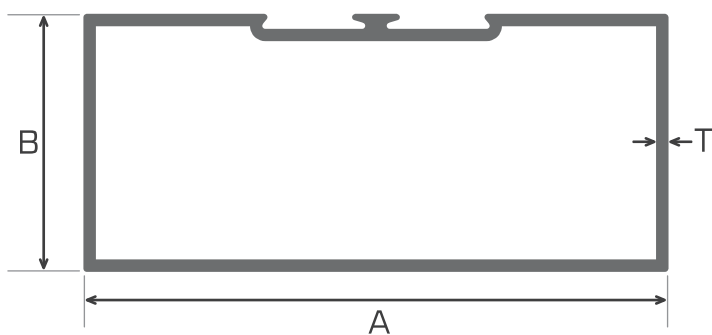


62MM SERIES



DOOR PROFILE

SINGLE PARTITION

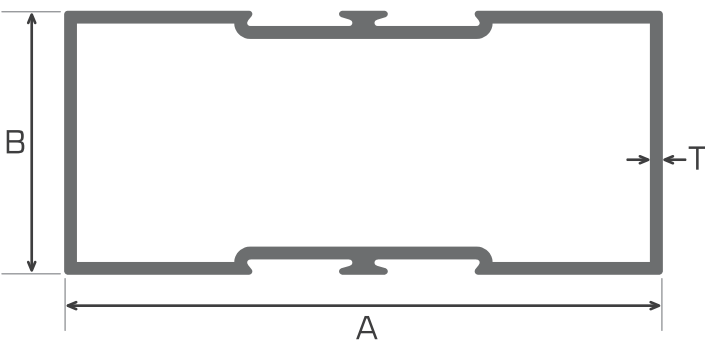


Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	54001	50.00	25.00	1.50	0.348	1.270
2	54102	63.00	38.00	1.00	0.587	2.150
3	54103	63.00	38.00	1.15	0.667	2.440
4	54105	63.00	38.00	1.25	0.720	2.630
5	54104	63.00	38.00	1.60	0.900	3.300
6	54106	63.50	38.10	1.95	1.091	3.993
7	54201	83.00	38.00	1.35	0.868	3.170
8	54301	101.00	44.50	1.20	0.990	3.620
9	54302	101.00	44.50	2.00	1.590	5.820
10	54303	101.00	44.50	3.00	2.330	8.530
11	54401	123.00	44.50	3.00	2.685	9.827

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)

DOOR PROFILE

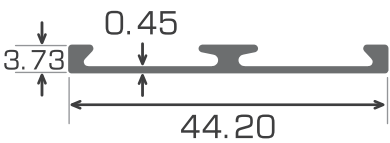
DOUBLE PARTITION



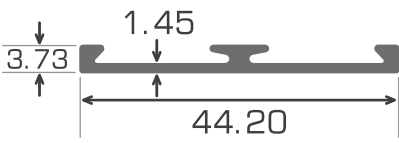
Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	55001	50.00	25.00	1.50	0.370	1.380
2	55101	63.00	38.00	0.90	0.590	2.160
3	55102	63.00	38.00	1.00	0.642	2.350
4	55104	63.00	38.00	1.25	0.777	2.840
5	55103	63.00	38.00	1.55	0.937	3.430
6	55105	63.50	38.00	1.50	0.937	3.430
7	55106	63.50	38.00	3.00	1.728	6.324
8	55107	63.50	38.10	1.85	1.101	4.030
9	55201	83.00	38.00	1.30	0.875	3.200
10	55202	83.00	38.00	2.00	1.456	5.329
11	55301	101.00	44.50	1.30	1.050	3.850
12	55302	101.00	44.50	1.50	1.270	4.850
13	55303	101.00	44.50	2.00	1.650	6.050
14	55304	101.00	44.50	3.00	2.360	8.650

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)

GLASSING STRIP



57501
(0.120 kg/m)

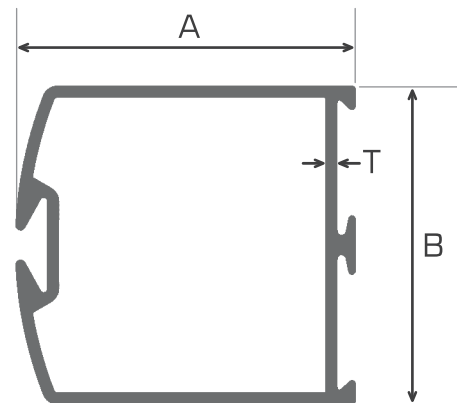


57502
(0.239 kg/m)



DOOR PROFILE

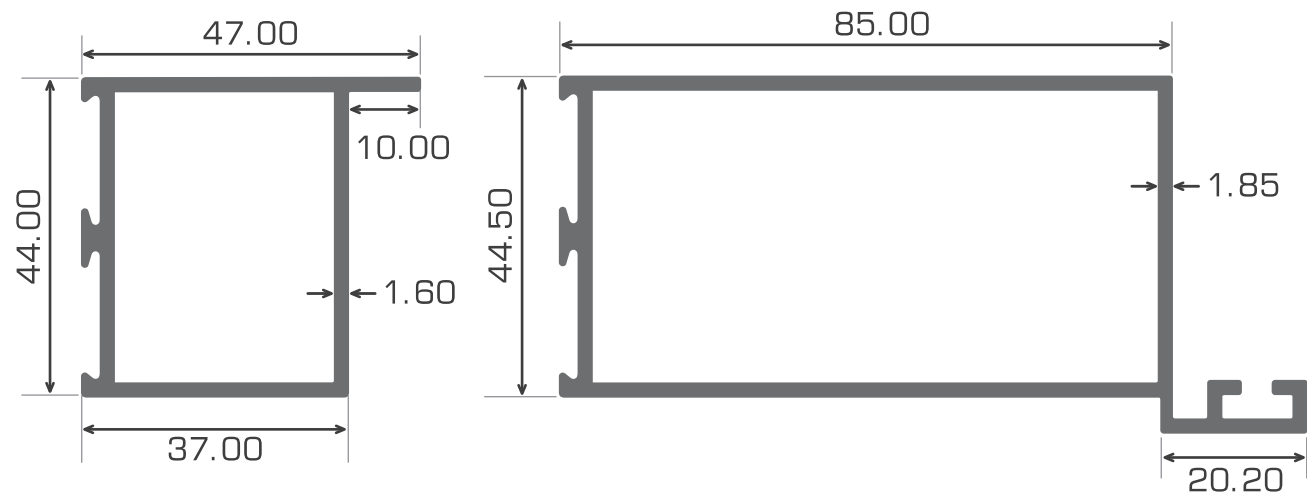
DOOR VERTICAL



Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	56301	47.00	44.00	1.10	0.630	2.330
2	56302	47.00	44.00	1.44	0.780	2.880
3	56303	47.00	44.00	1.50	0.810	3.900
4	56354	85.00	44.50	1.50	1.134	4.150
5	56353	85.00	44.50	2.00	1.455	5.320
6	56352	85.00	44.50	3.00	2.077	7.600

Note : A : Width, B : Height, T : Thikness, Weight Range : (± 7% to 10%)

DOOR TOP SINGLE LEG

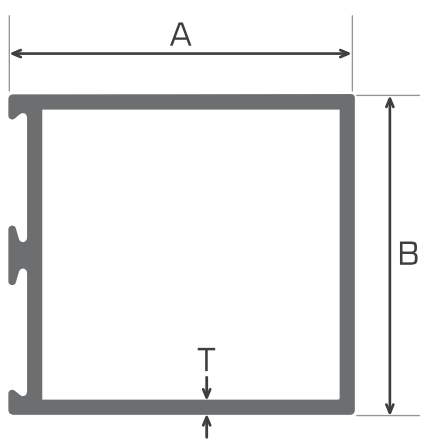


56401
(0.772 kg/m)

56451
(1.350 kg/m)

DOOR PROFILE

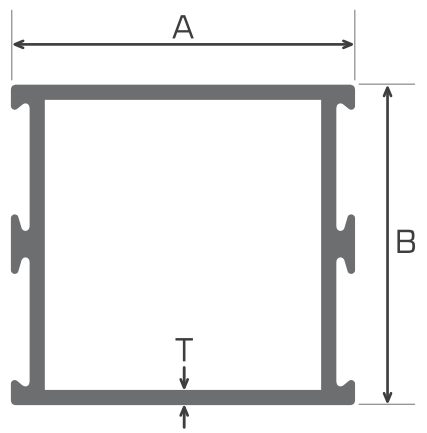
DOOR MIDDLE SINGLE



Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	56001	47.00	44.00	1.20	0.639	2.339
2	56002	47.00	44.00	1.70	0.850	3.100

Note : A : Width, B : Height, T : Thikness, Weight Range : (± 7% to 10%)

DOOR MIDDLE DOUBLE



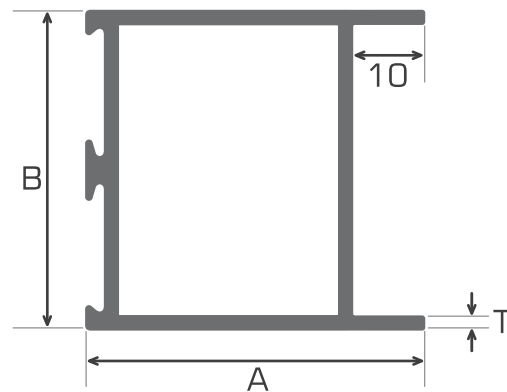
Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	56101	47.00	44.00	1.05	0.610	2.240
2	56102	47.00	44.00	1.50	0.830	3.040
3	56151	85.00	44.00	1.20	0.940	3.440

Note : A : Width, B : Height, T : Thikness, Weight Range : (± 7% to 10%)



DOOR PROFILE

DOOR TOP



Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	56201	47.00	44.00	1.20	0.654	2.393
2	56202	47.00	44.00	1.70	0.866	3.160

Note : A : Width, B : Height, T : Thikness, Weight Range : (± 7% to 10%)

DOOR BOTTOM



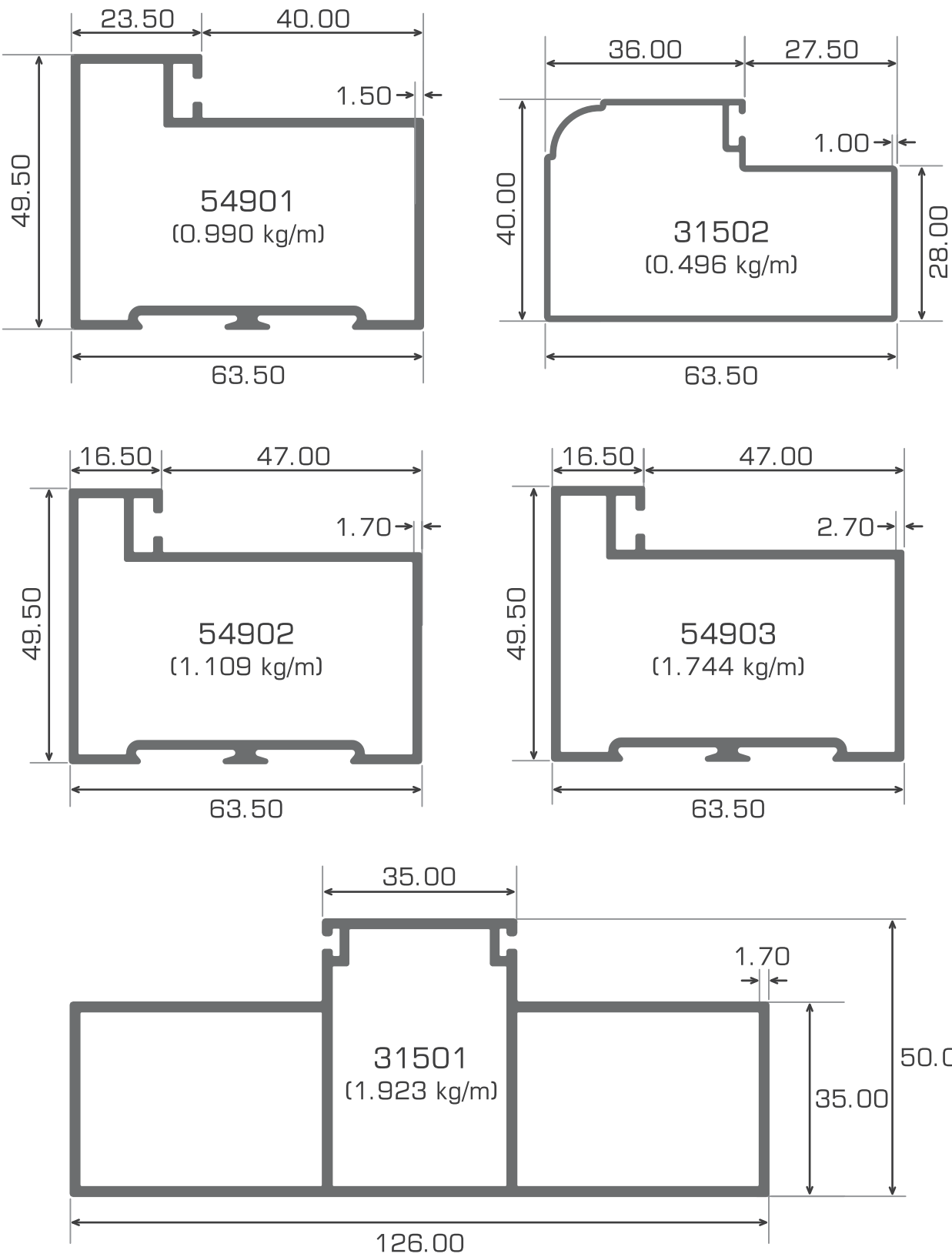
Sr. No.	Die No.	Size (mm)				Weight	
		A	B	T	C	kg/m	12'
1	56505	85.00	44.00	1.50	10.00	1.066	3.901
2	56501	85.00	44.00	1.60	10.00	1.130	4.130
3	56503	85.00	44.00	3.00	10.00	2.000	7.320
4	56502	114.00	44.50	1.15	10.00	0.990	3.620
5	56551	114.00	44.50	1.20	10.00	1.050	3.850
6	56504	114.00	44.50	1.35	25.00	1.194	4.370

Note : A : Width, B : Height, T : Thikness, Weight Range : (± 7% to 10%)

DOOR PROFILE

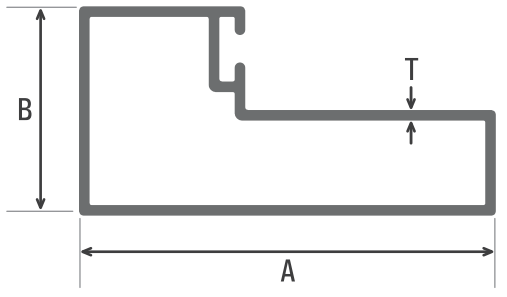


DOOR FRAME



DOOR PROFILE

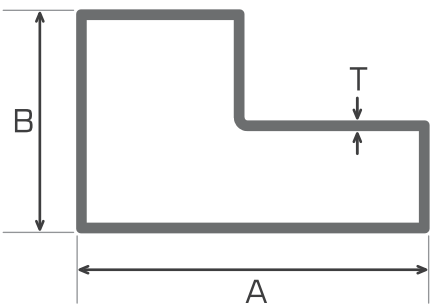
L PIPE



Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	40111	48.00	24.00	0.90	0.357	1.300
2	40112	48.00	24.00	1.10	0.433	1.580

Note : A : Width, B : Height, T : Thikness, Weight Range : (± 7% to 10%)

L TUBE



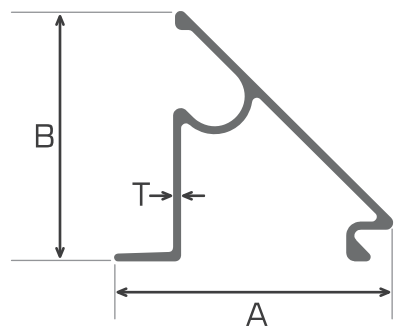
Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	40213	38.00	24.00	1.00	0.322	1.170
2	40214	38.00	24.00	1.35	0.430	1.570

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)

DOOR PROFILE

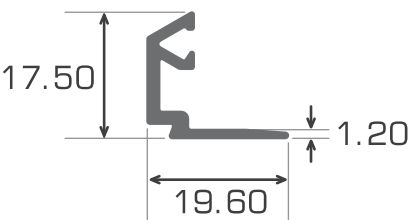


GLASSING CLIP



Sr. No.	Die No.	Size (mm)			Weight	
		A	B	T	kg/m	12'
1	57001	21.00	17.25	0.50	0.069	0.252
2	57002	21.00	17.25	0.60	0.072	0.260
3	57003	21.00	17.25	0.70	0.093	0.340
4	57005	21.00	17.25	1.20	0.144	0.527

Note : A : Width, B : Height, T : Thickness, Weight Range : (± 7% to 10%)



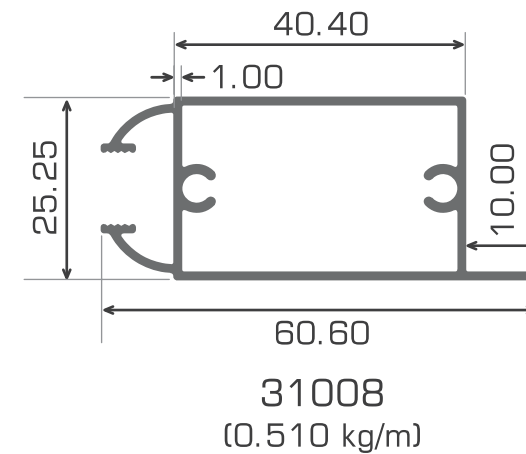
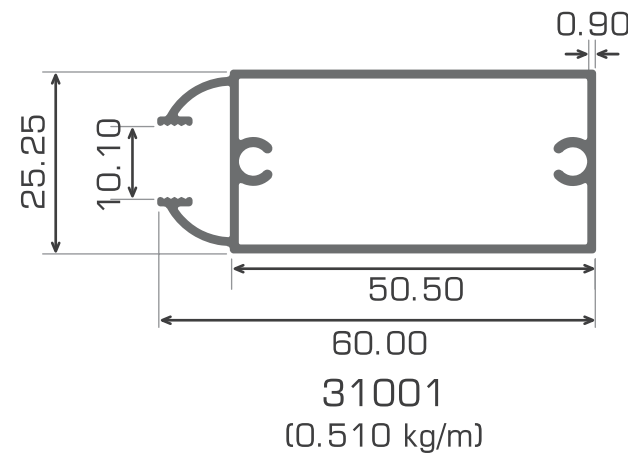
57004
(0.170 kg/m)



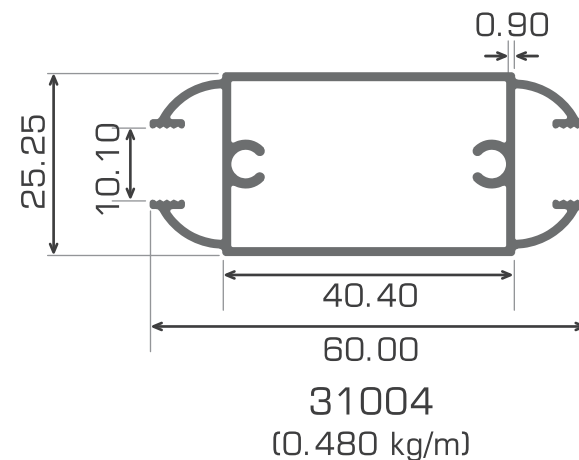
DOOR PROFILE

MOULDING DOOR SERIES

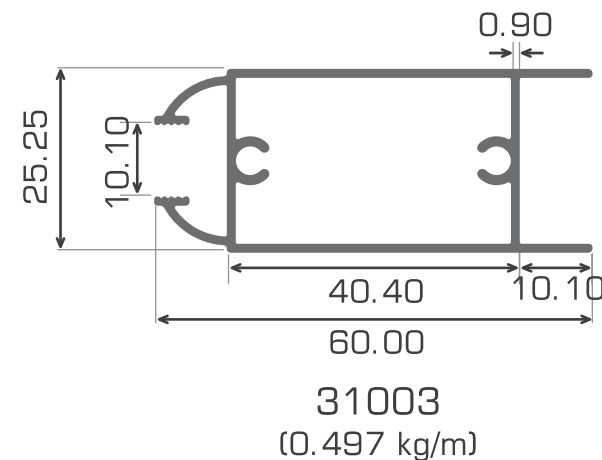
HANDLE (60MM SERIES)



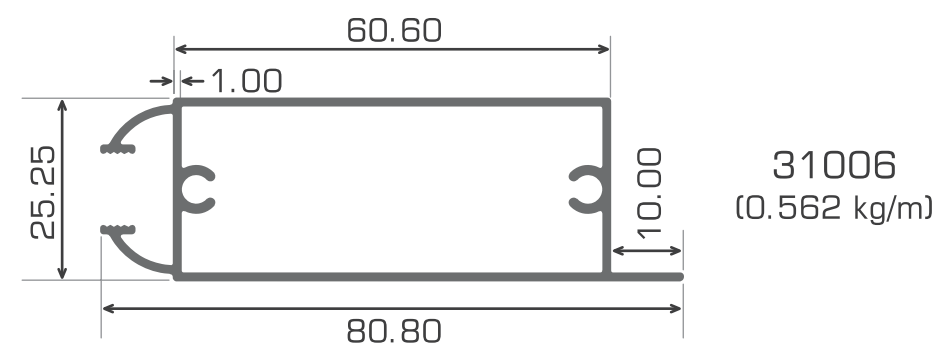
MIDDLE (60MM SERIES)



TOP (60MM SERIES)



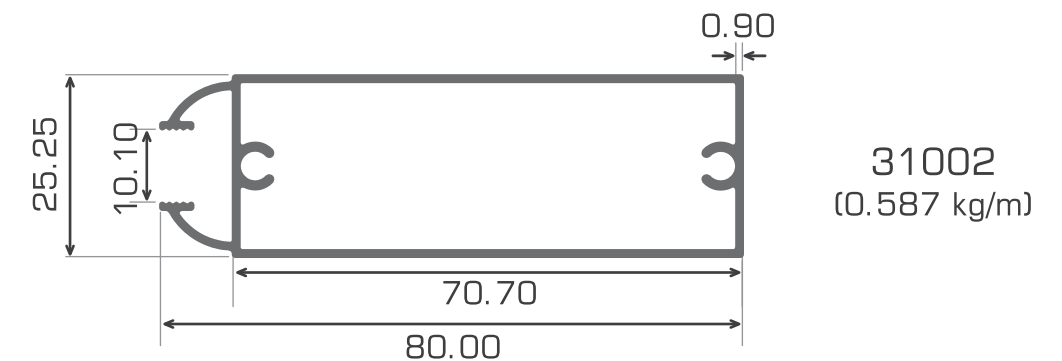
BOTTOM (80MM SERIES)



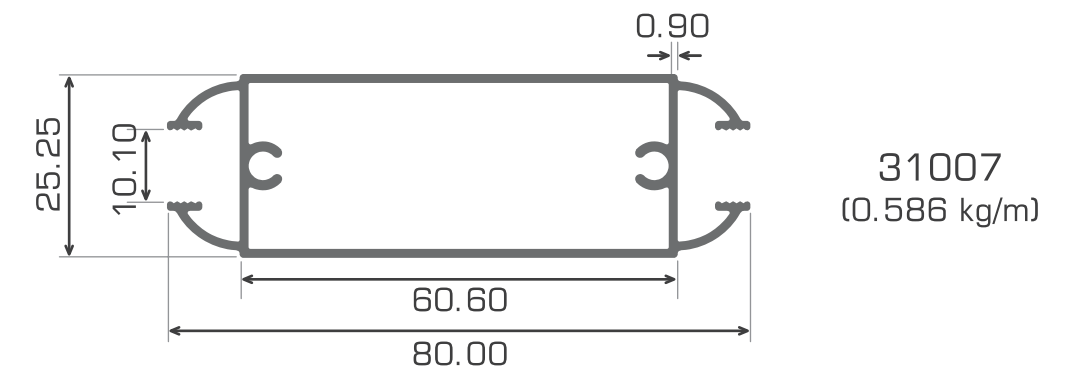
DOOR PROFILE

MOULDING DOOR SERIES

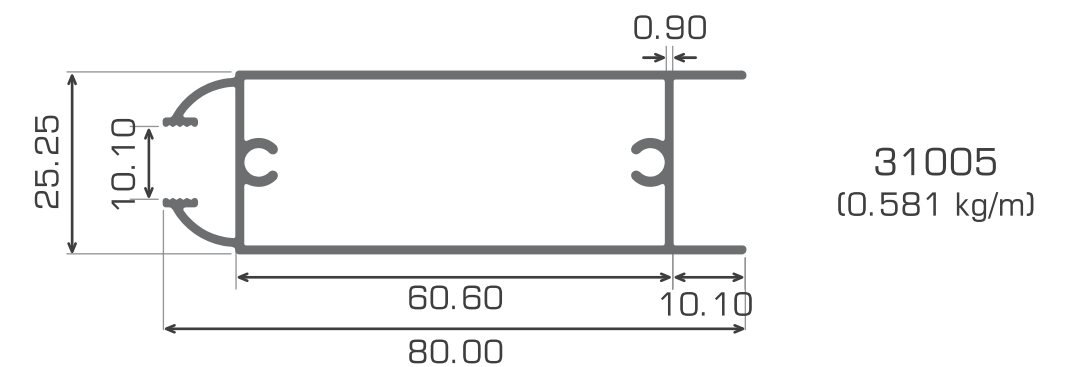
HANDLE (80MM SERIES)



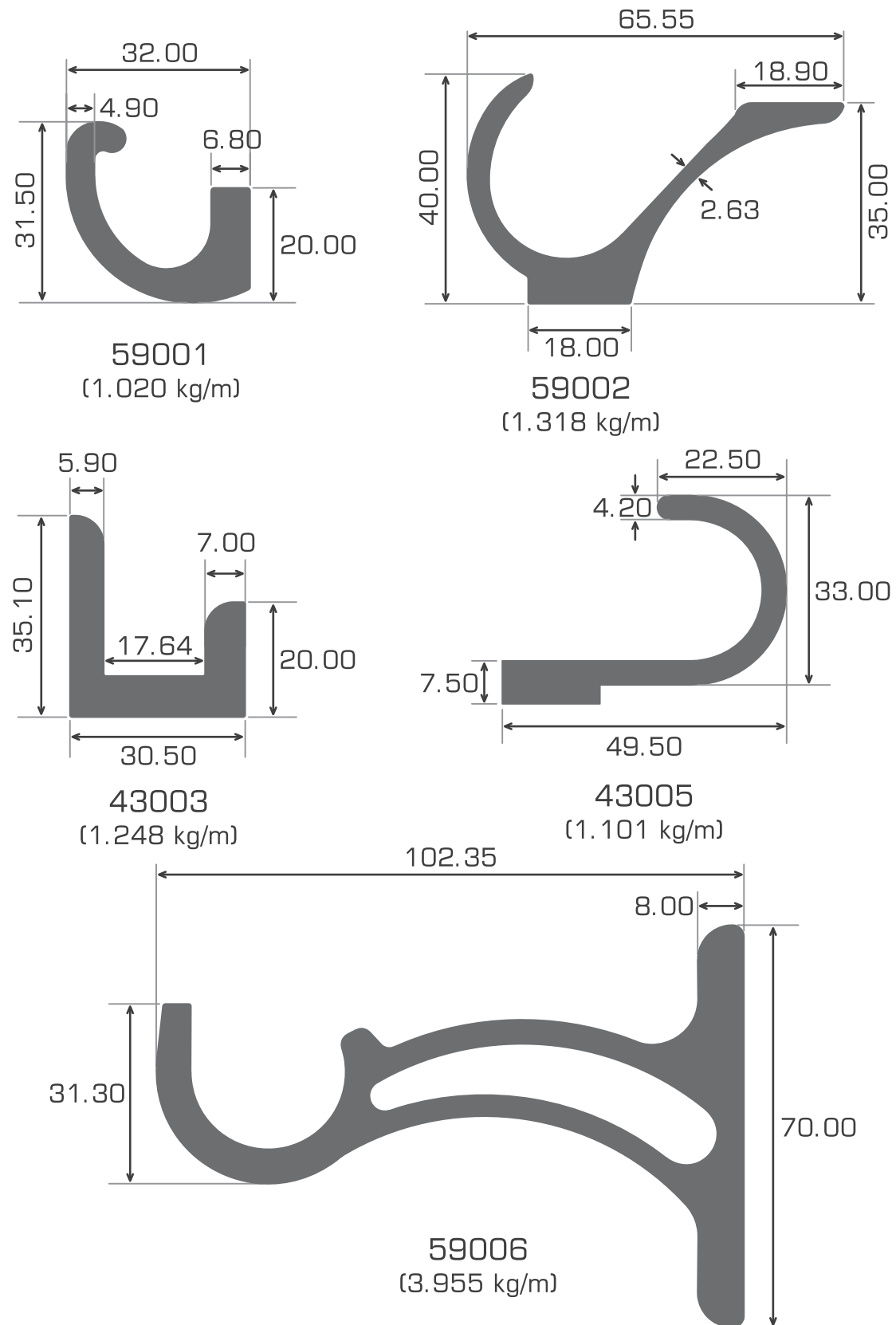
MIDDLE (80MM SERIES)



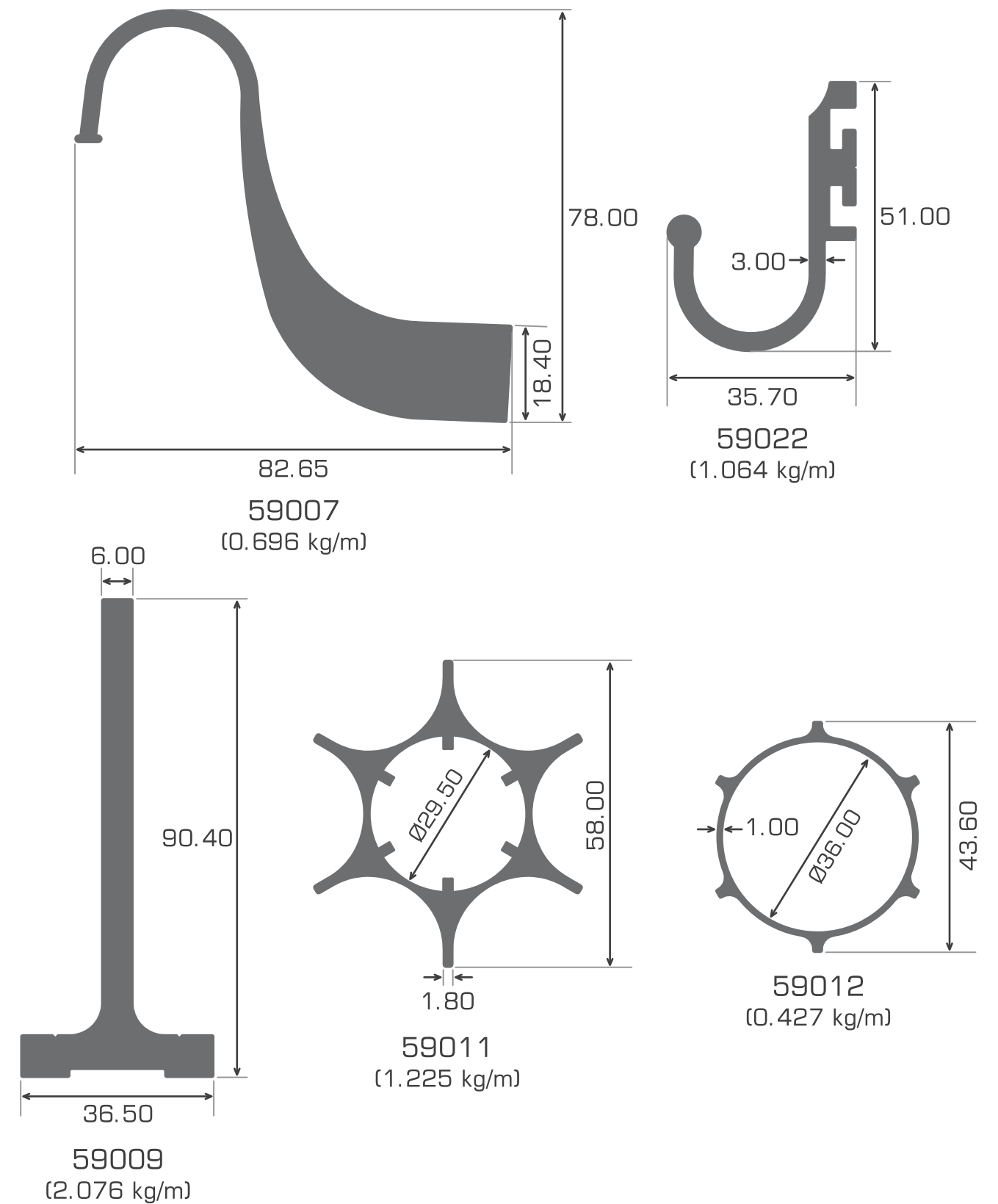
BOTTOM (80MM SERIES)



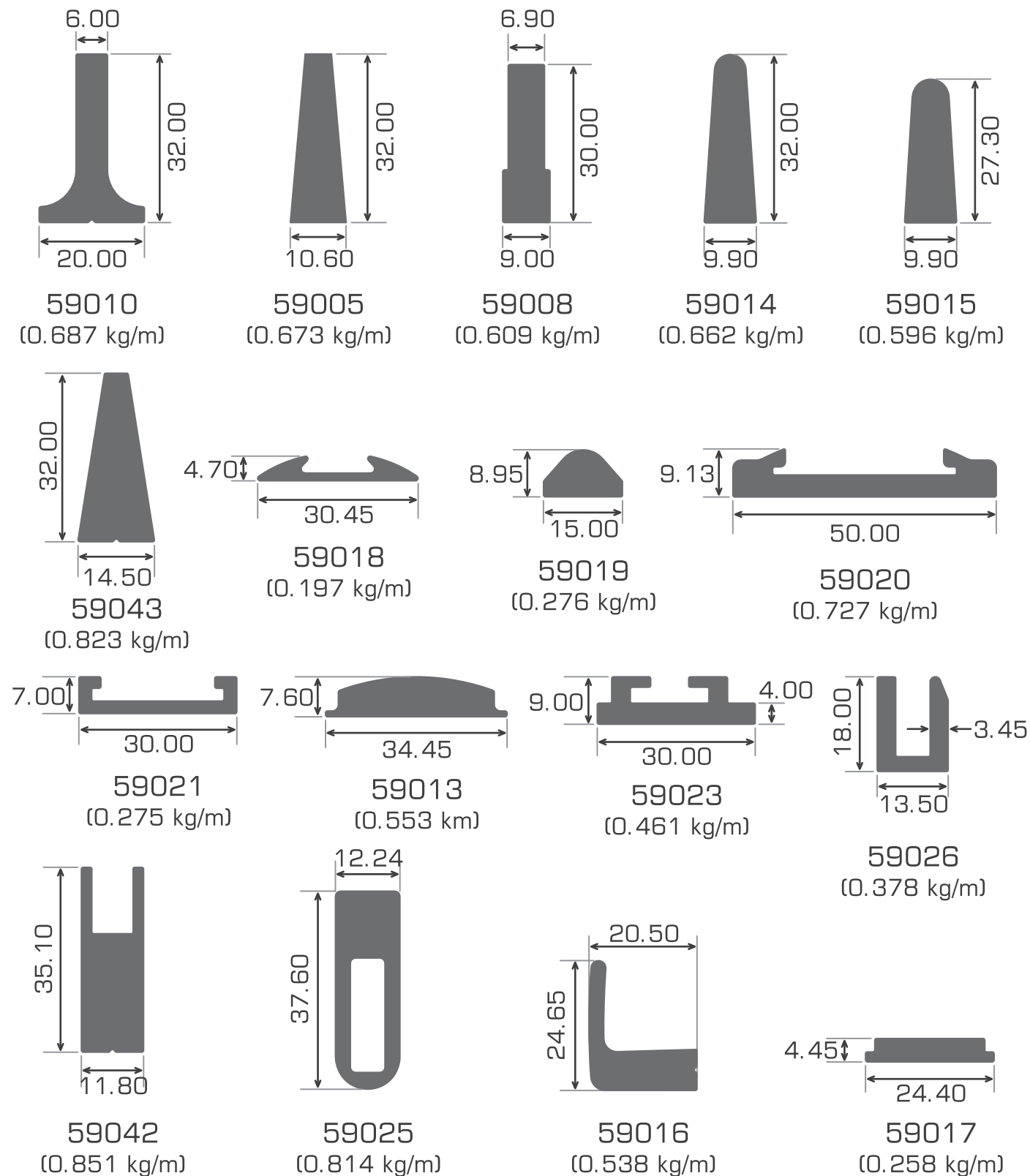
HARDWARE PROFILE



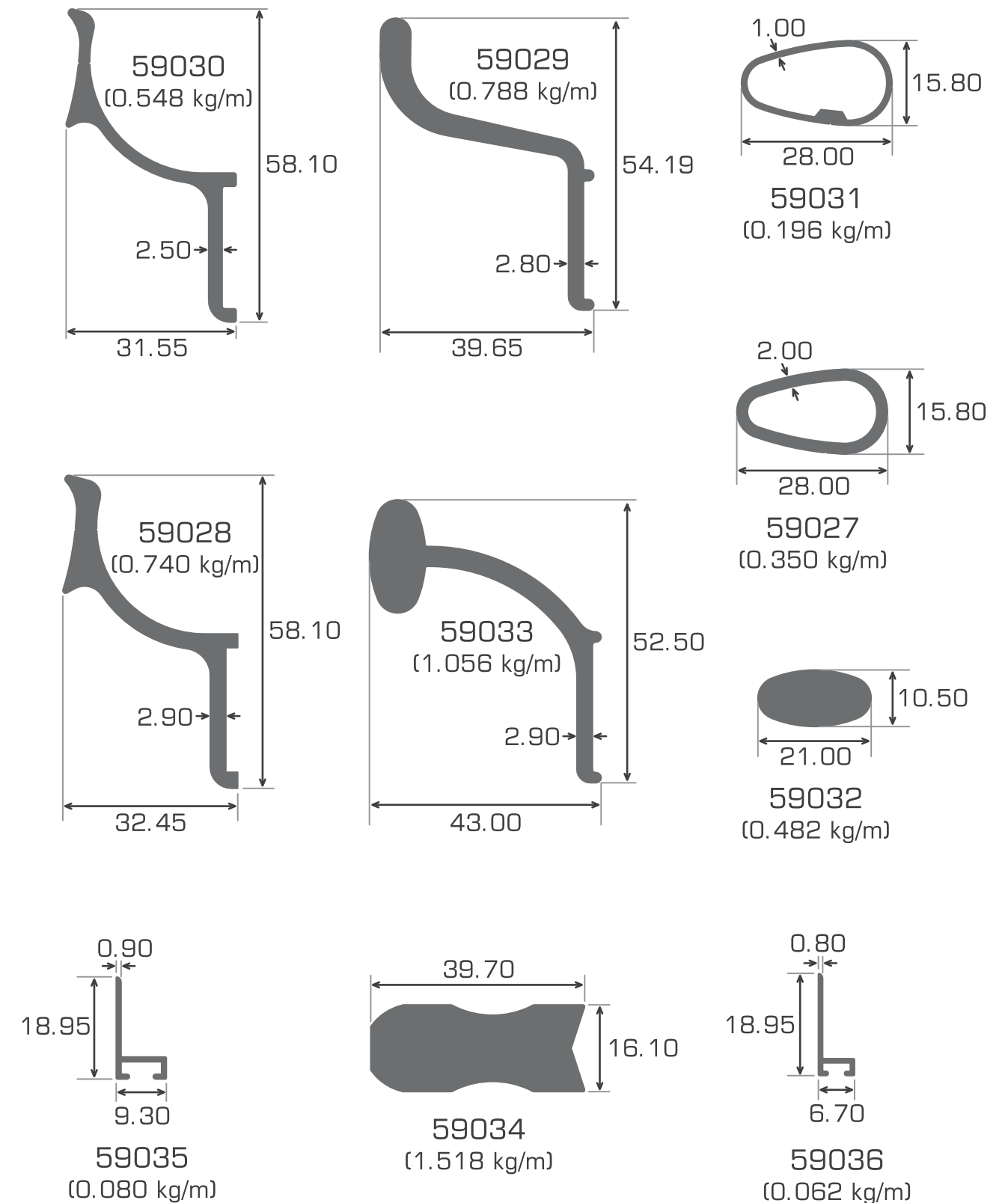
HARDWARE PROFILE



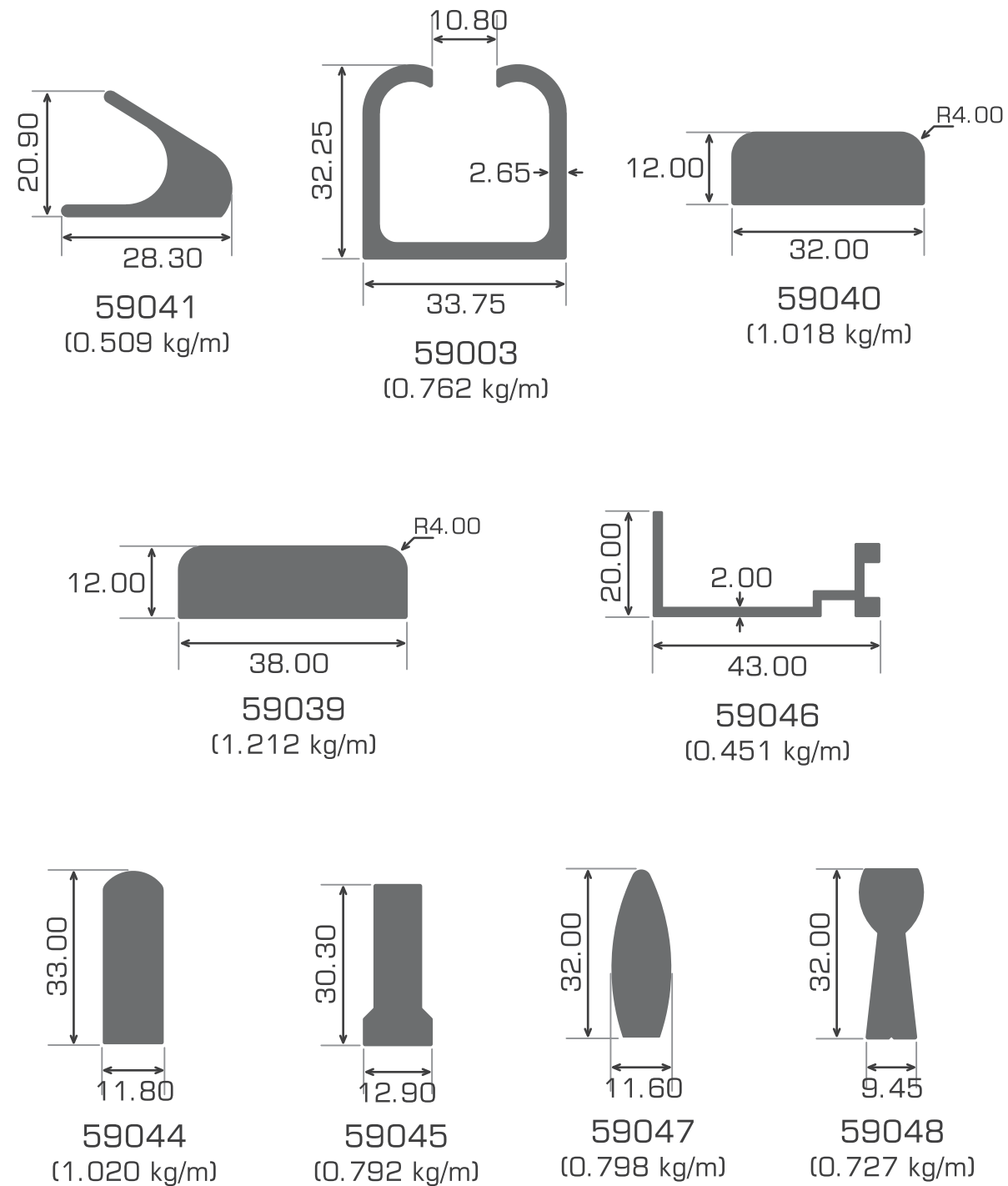
HARDWARE PROFILE



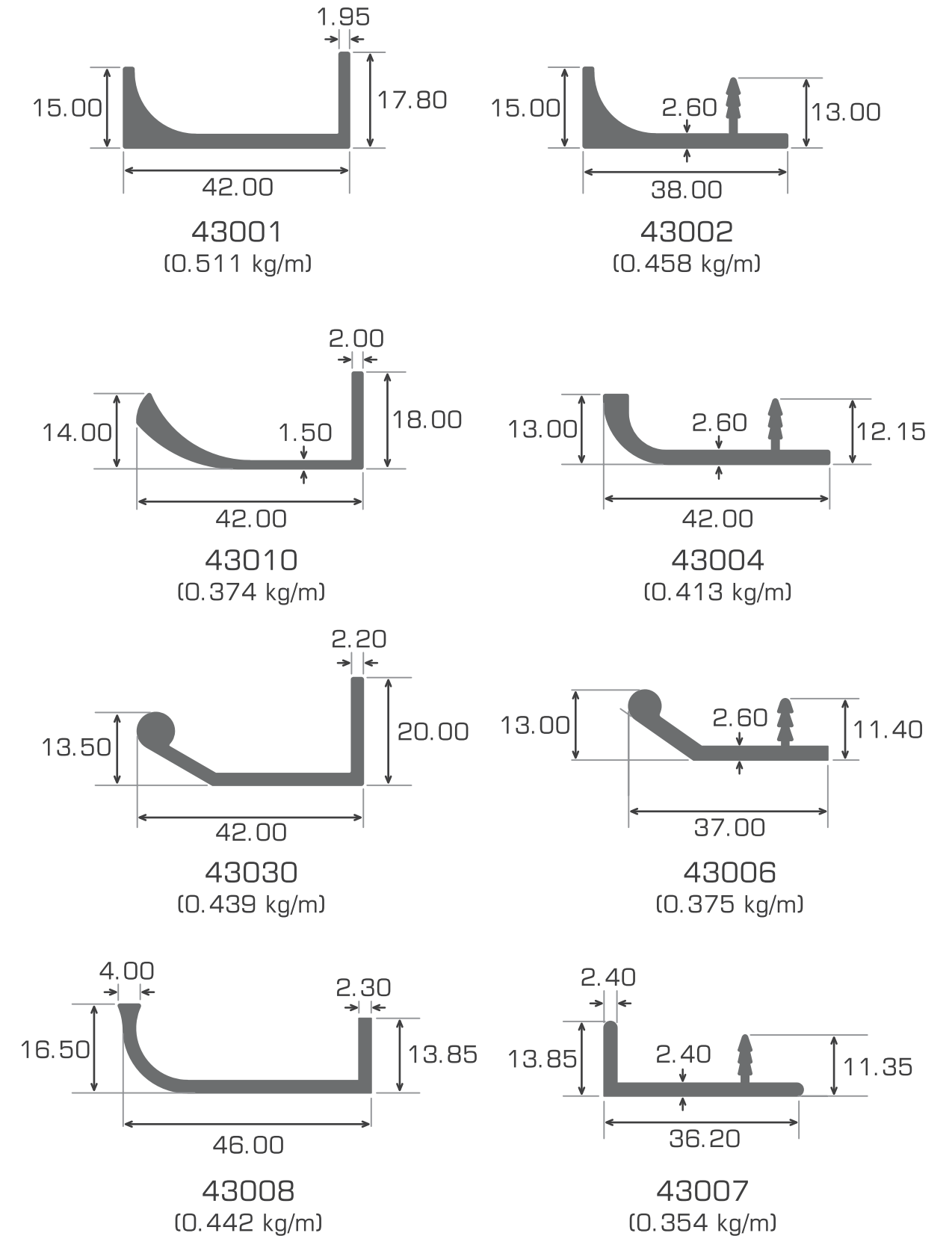
HARDWARE PROFILE



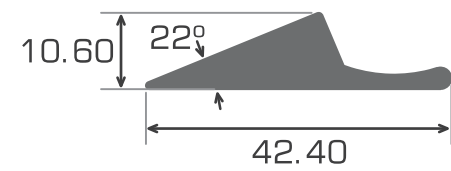
HARDWARE PROFILE



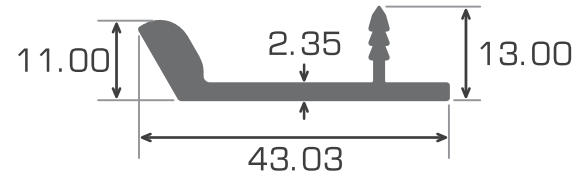
KITCHEN PROFILE



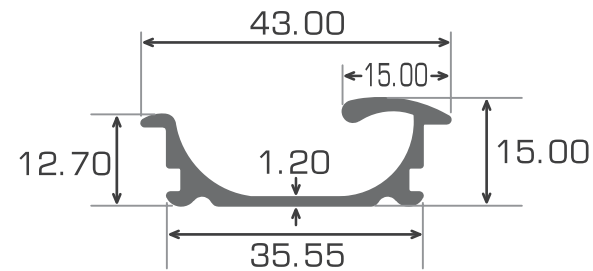
KITCHEN PROFILE



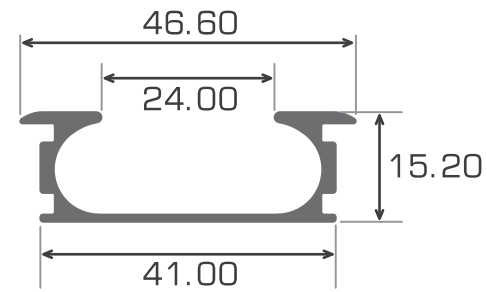
43026
(0.535 kg/m)



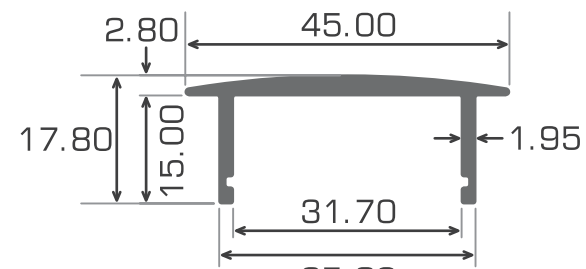
43018
(0.424 kg/m)



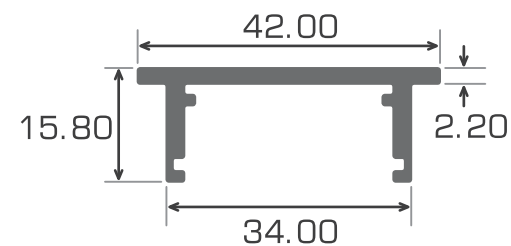
43009
(0.361 kg/m)



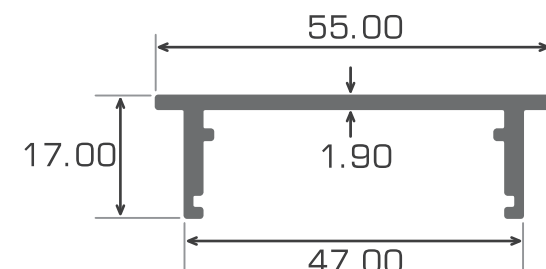
43011
(0.335 kg/m)



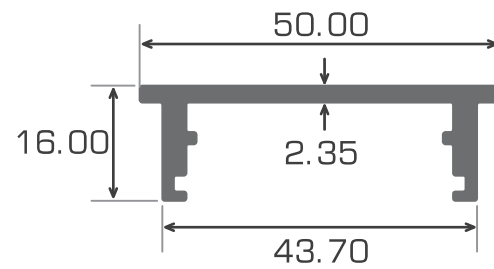
43012
(0.413 kg/m)



43014
(0.429 kg/m)



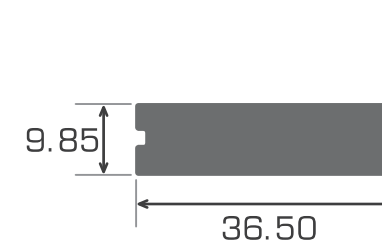
43028
(0.484 kg/m)



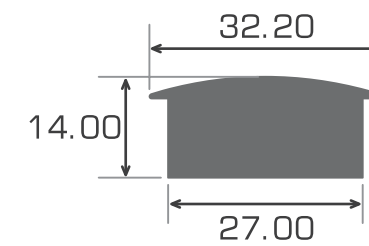
43029
(0.555 kg/m)



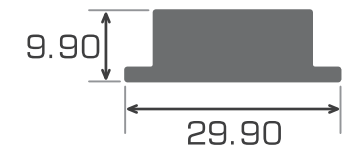
KITCHEN PROFILE



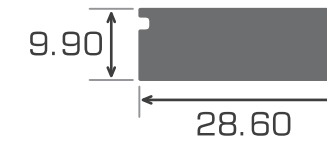
43016
(0.683 kg/m)



59004
(0.991 kg/m)



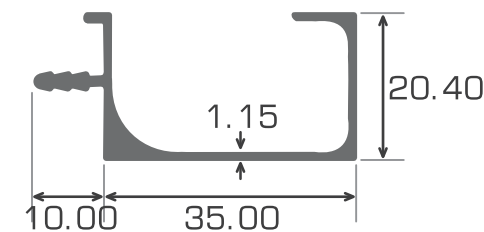
43013
(0.629 kg/m)



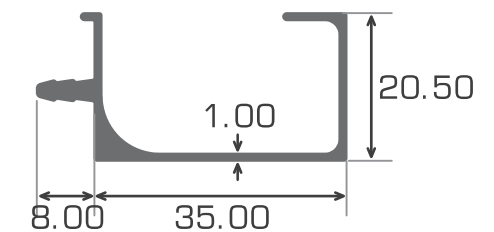
43015
(0.749 kg/m)



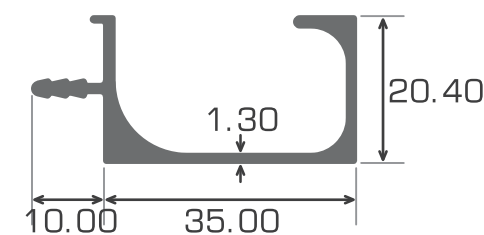
43027
(1.283 kg/m)



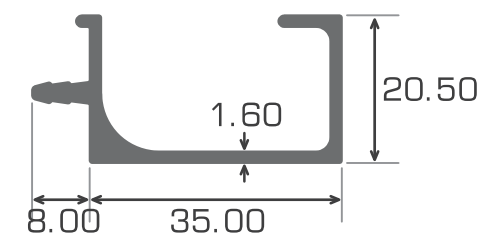
43017
(0.373 kg/m)



43019
(0.322 kg/m)

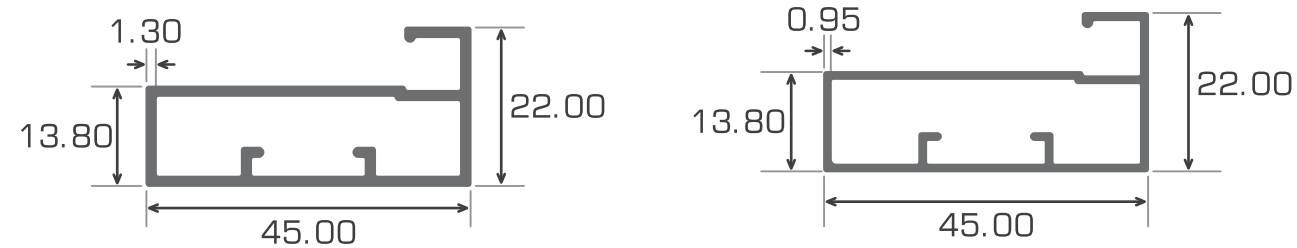


43021
(0.437 kg/m)



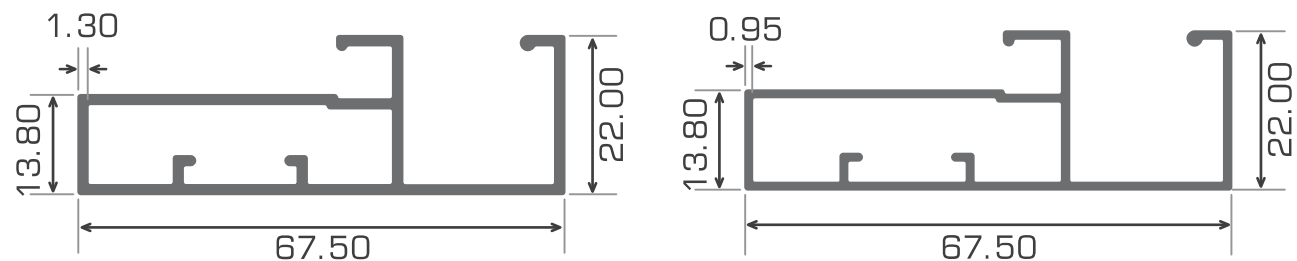
43020
(0.447 kg/m)

KITCHEN PROFILE



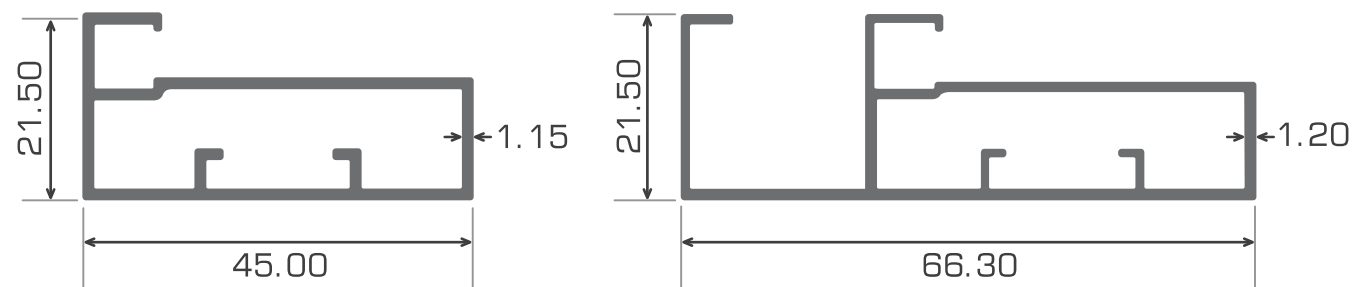
43025
(0.497 kg/m)

43024
(0.375 kg/m)



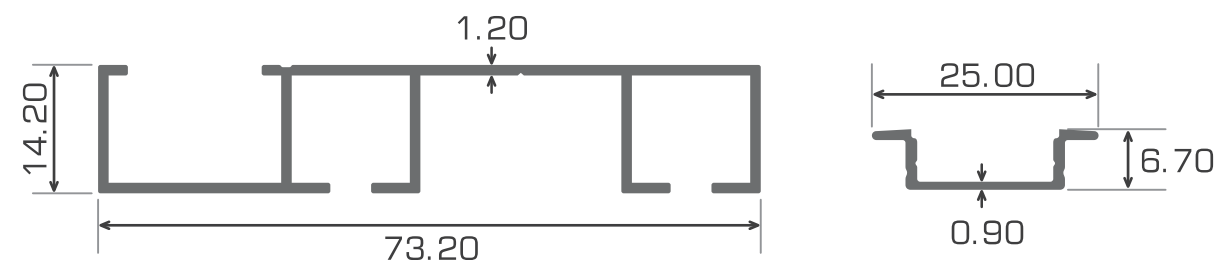
43023
(0.670 kg/m)

43022
(0.522 kg/m)



43031
(0.382 kg/m)

43032
(0.576 kg/m)

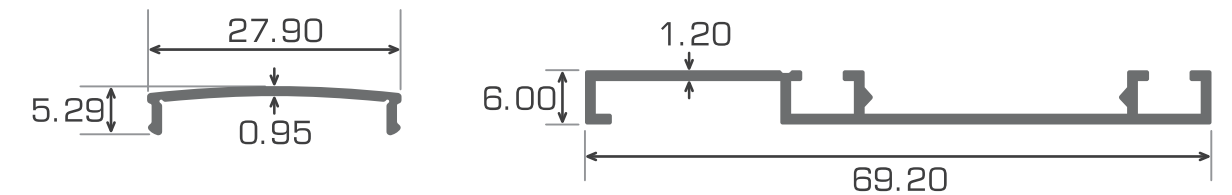


47205
(0.515 kg/m)

47203
(0.100 kg/m)

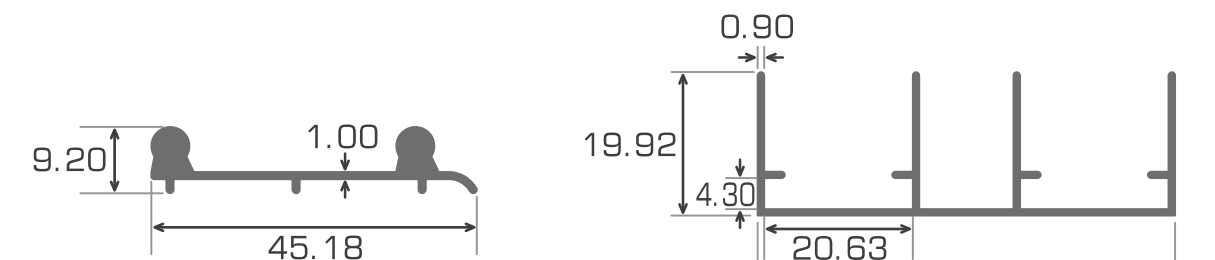


KITCHEN PROFILE



47211
(0.095 kg/m)

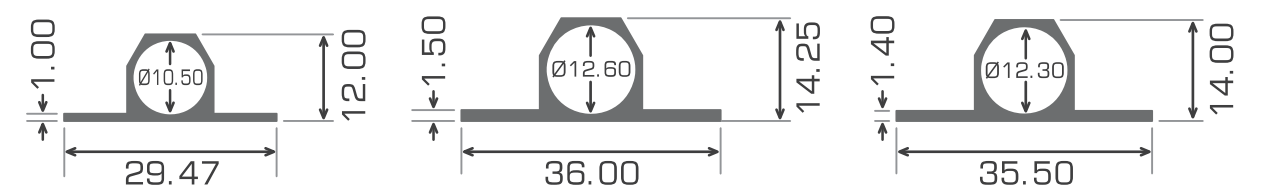
47206
(0.327 kg/m)



59037
(0.290 kg/m)

59038
(0.351 kg/m)

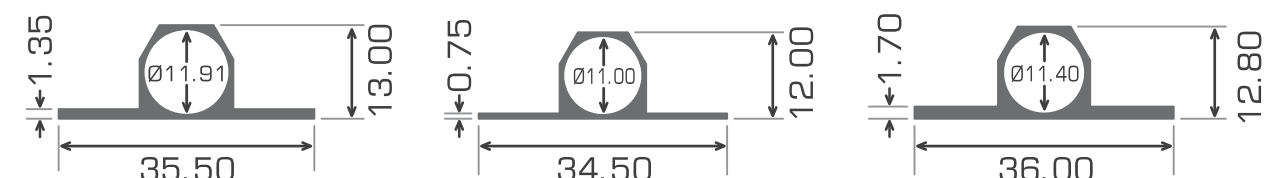
TOWER BOLT



50101
(0.166 kg/m)

50102
(0.250 kg/m)

50103
(0.230 kg/m)

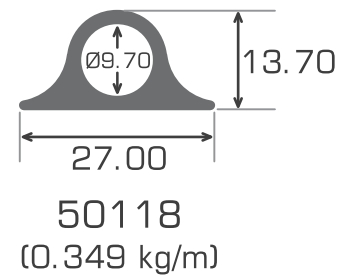
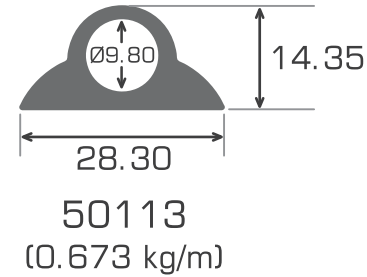
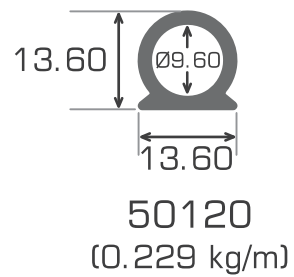
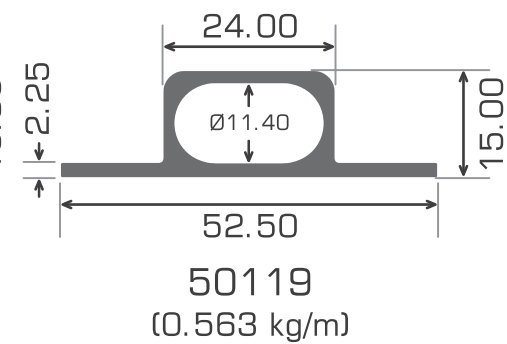
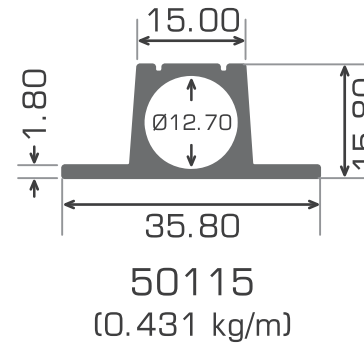
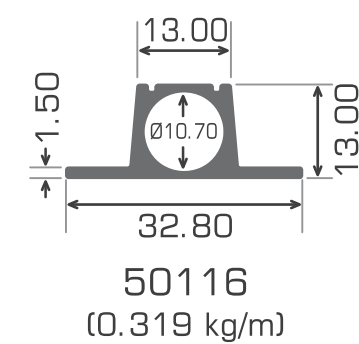
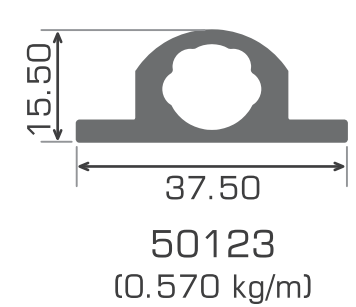
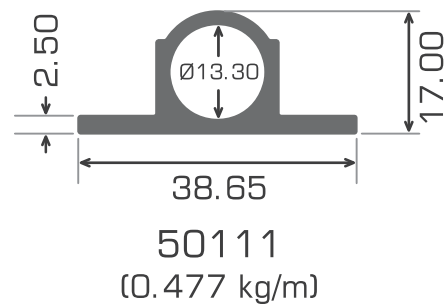
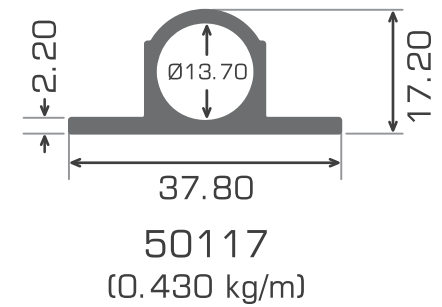
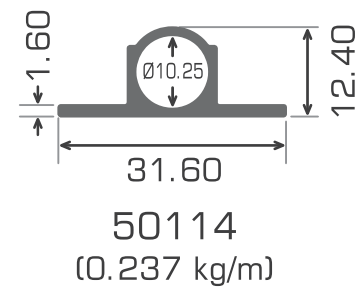
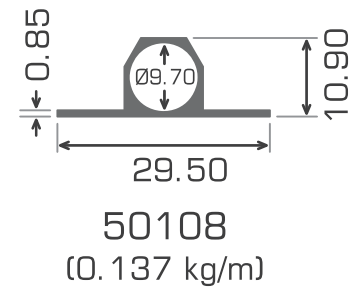
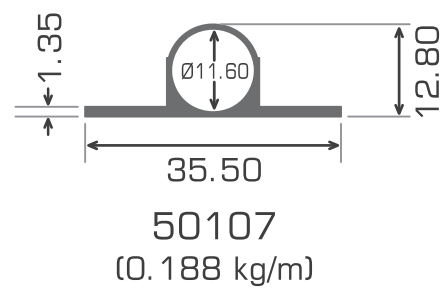


50104
(0.202 kg/m)

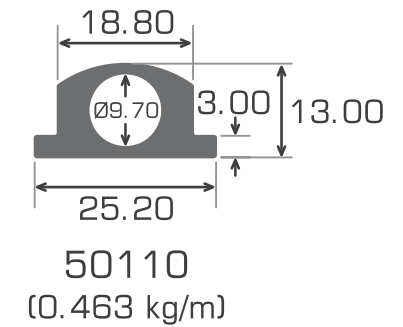
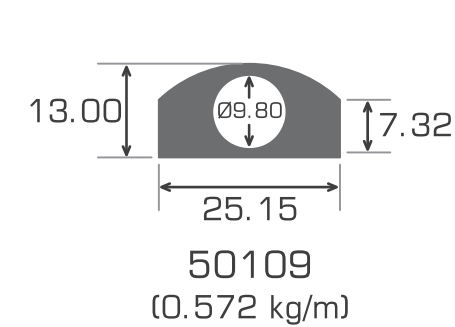
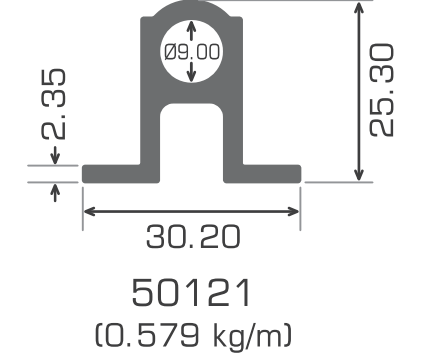
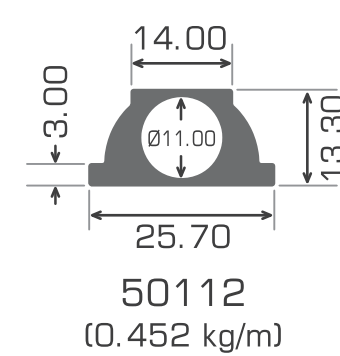
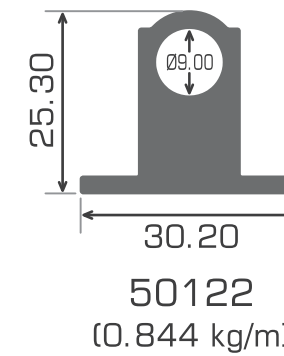
50105
(0.144 kg/m)

50106
(0.230 kg/m)

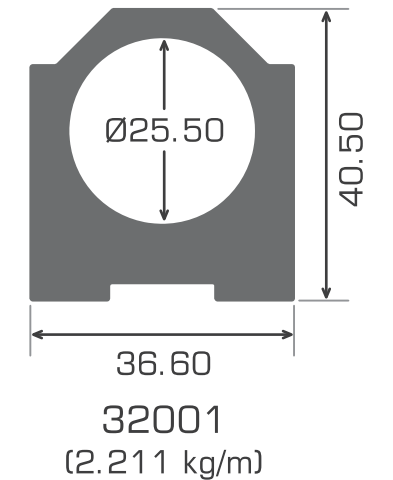
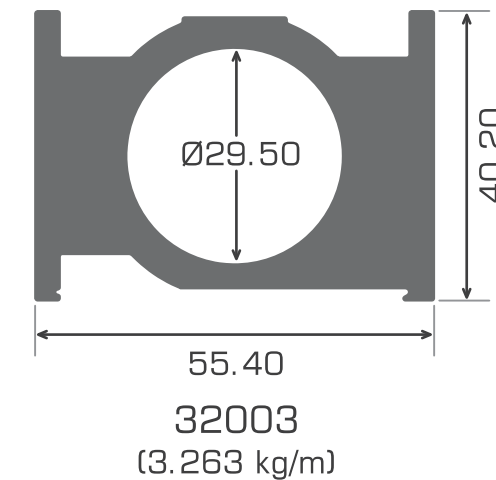
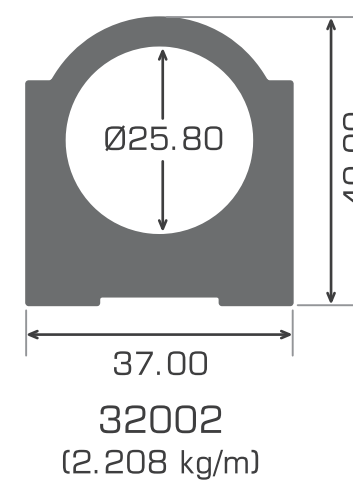
TOWER BOLT



TOWER BOLT

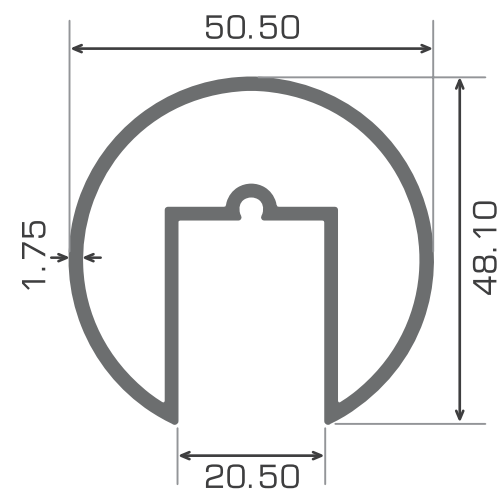


DOOR CLOSER

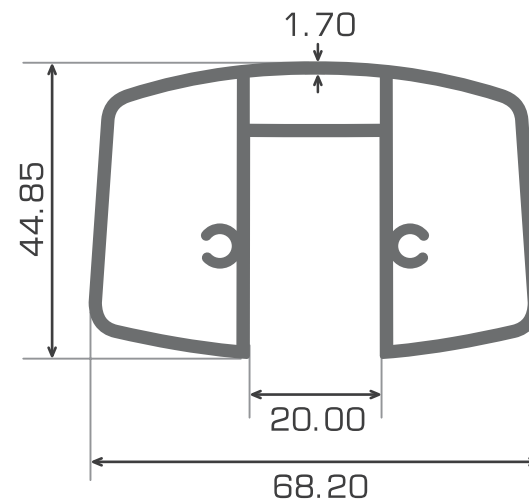


HAND RAILING

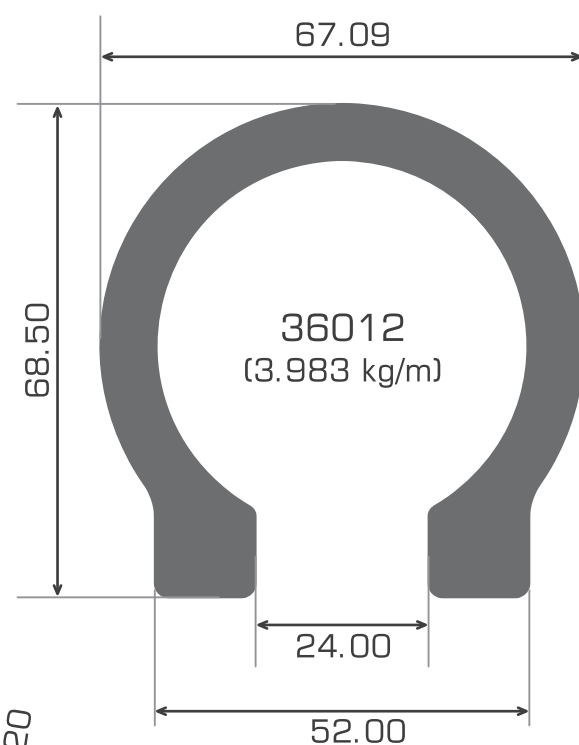
HAND RAILING - TOP



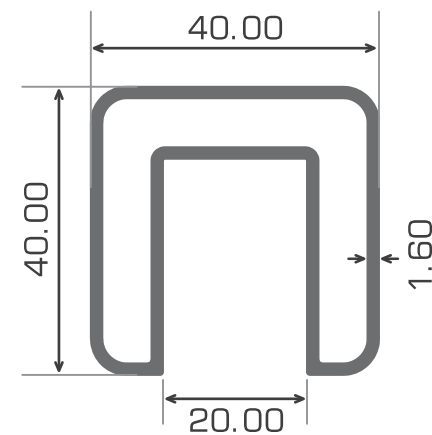
36003
(0.980 kg/m)



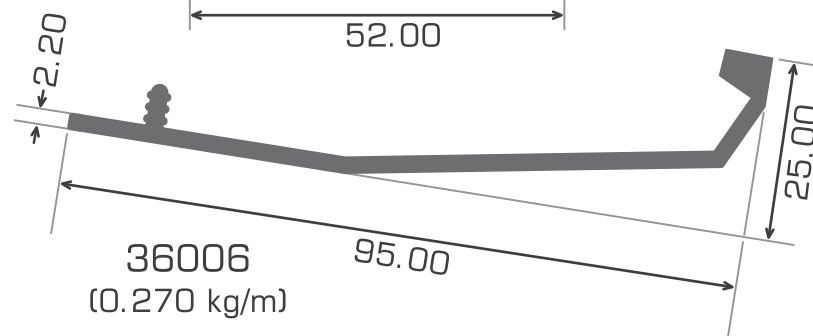
36004
(1.373 kg/m)



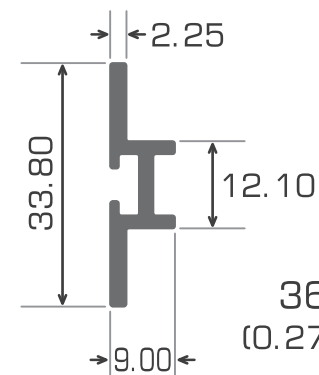
36012
(3.983 kg/m)



36002
(0.887 kg/m)



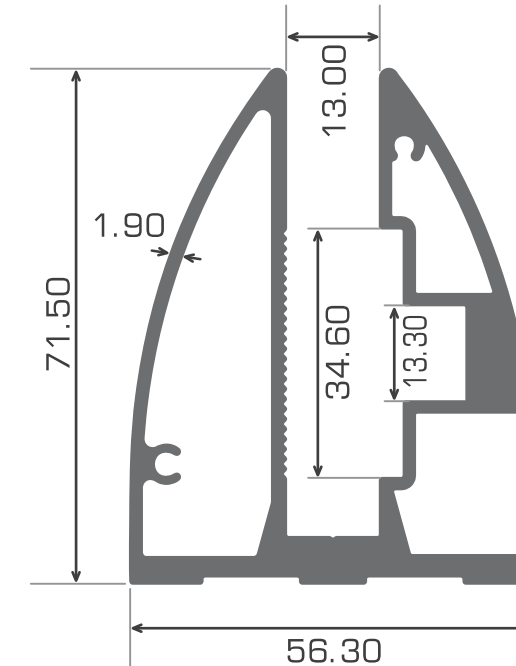
36006
(0.270 kg/m)



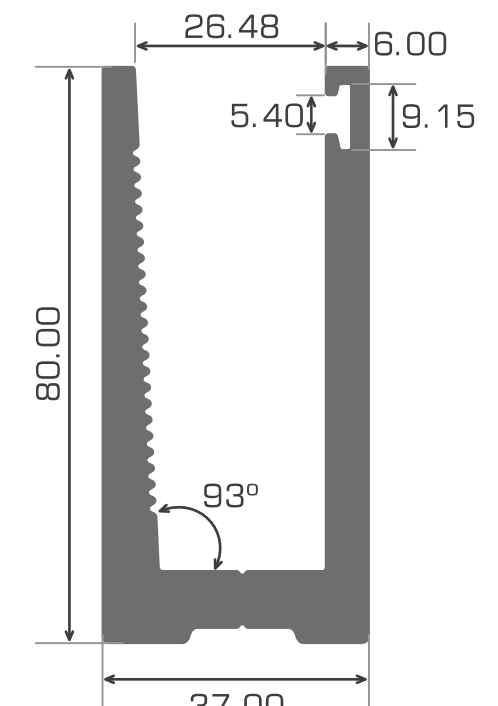
36010
(0.272 kg/m)

HAND RAILING

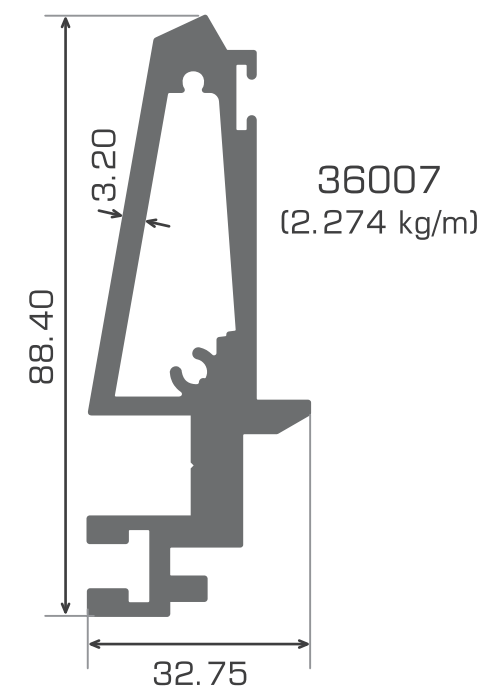
HAND RAILING - BOTTOM



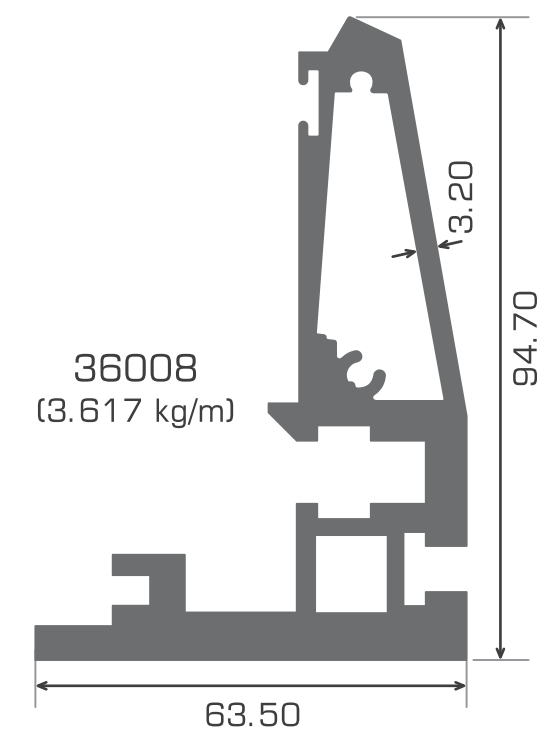
36009
(2.478 kg/m)



36001
(3.073 kg/m)



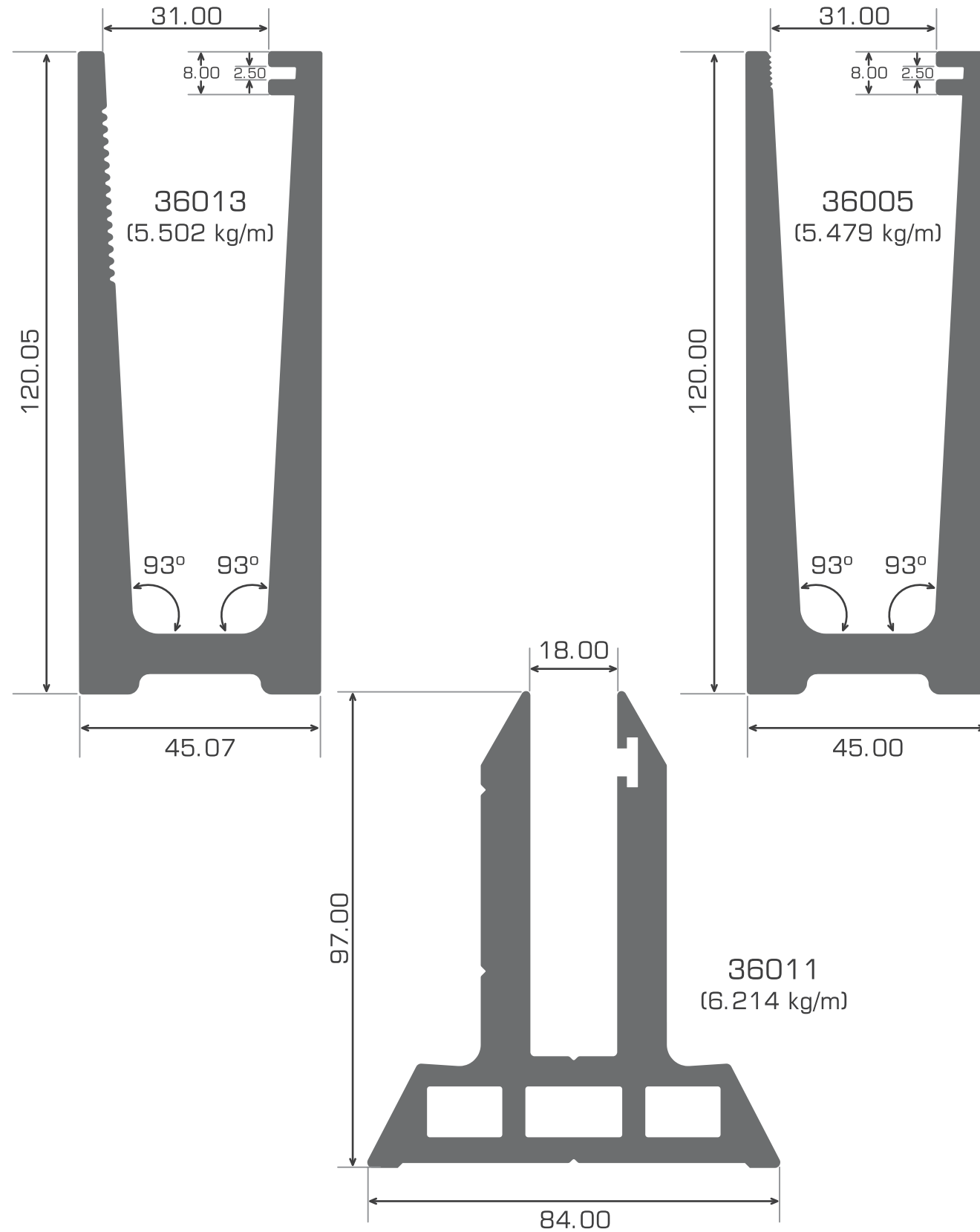
36007
(2.274 kg/m)



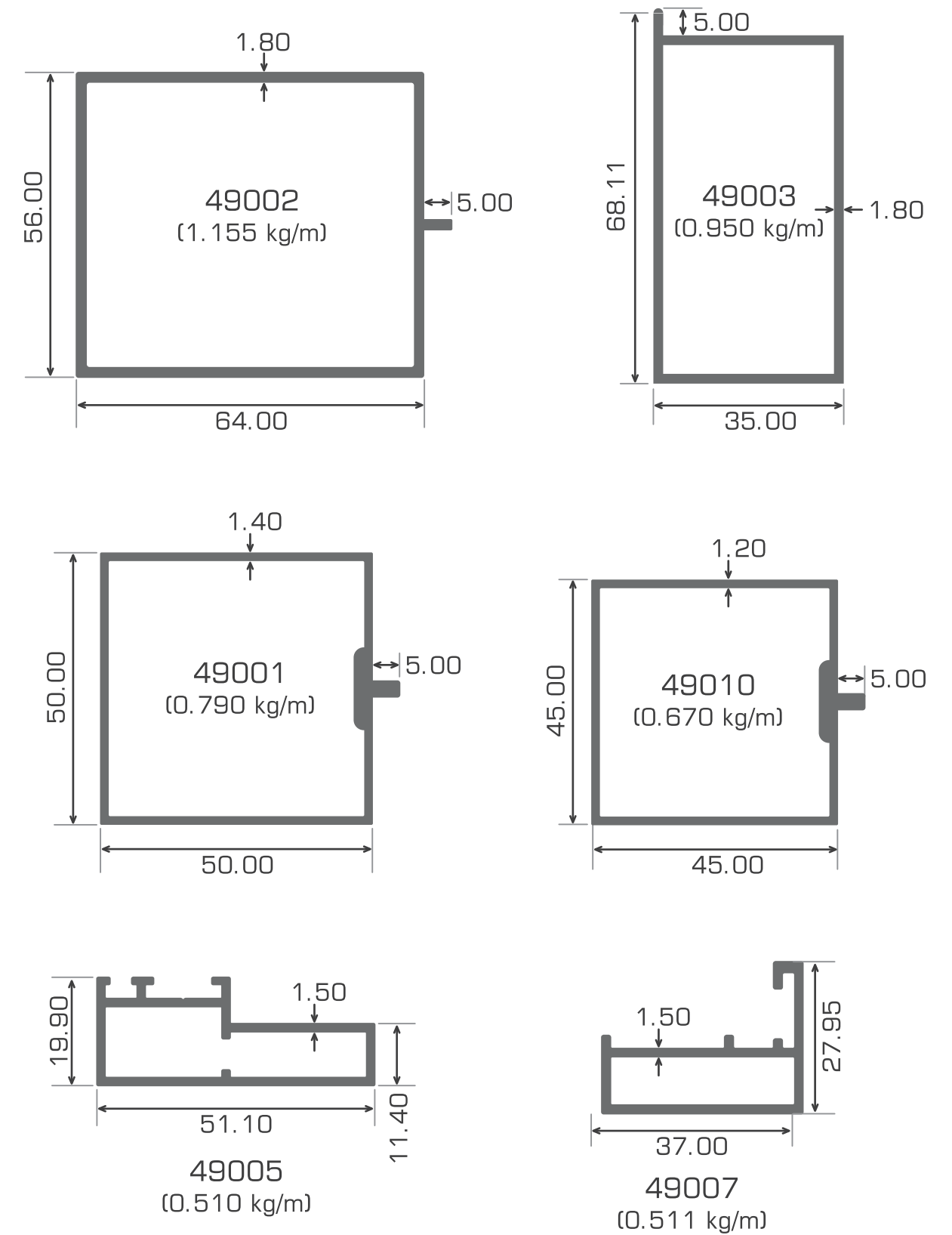
36008
(3.617 kg/m)

HAND RAILING

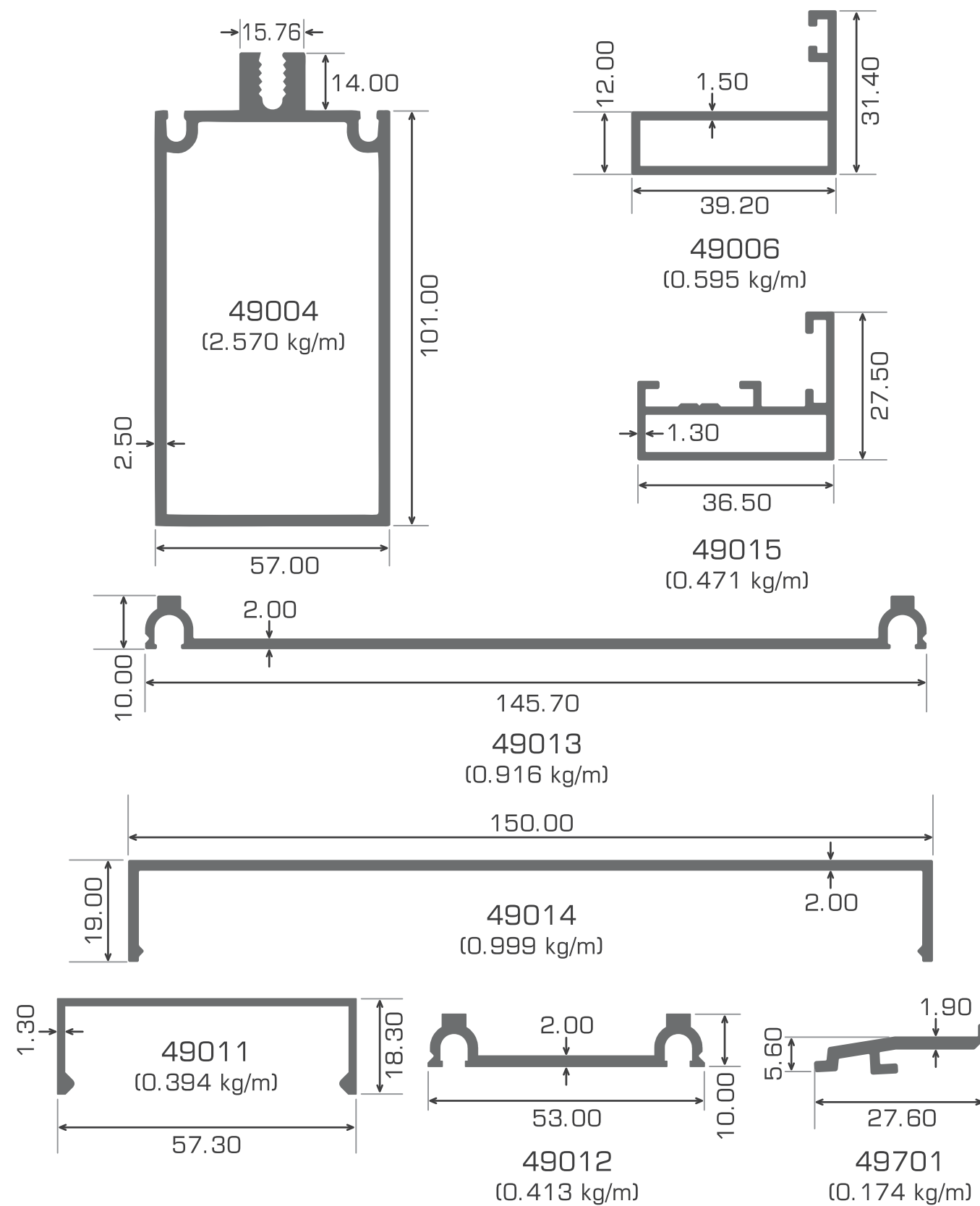
HAND RAILING - BOTTOM



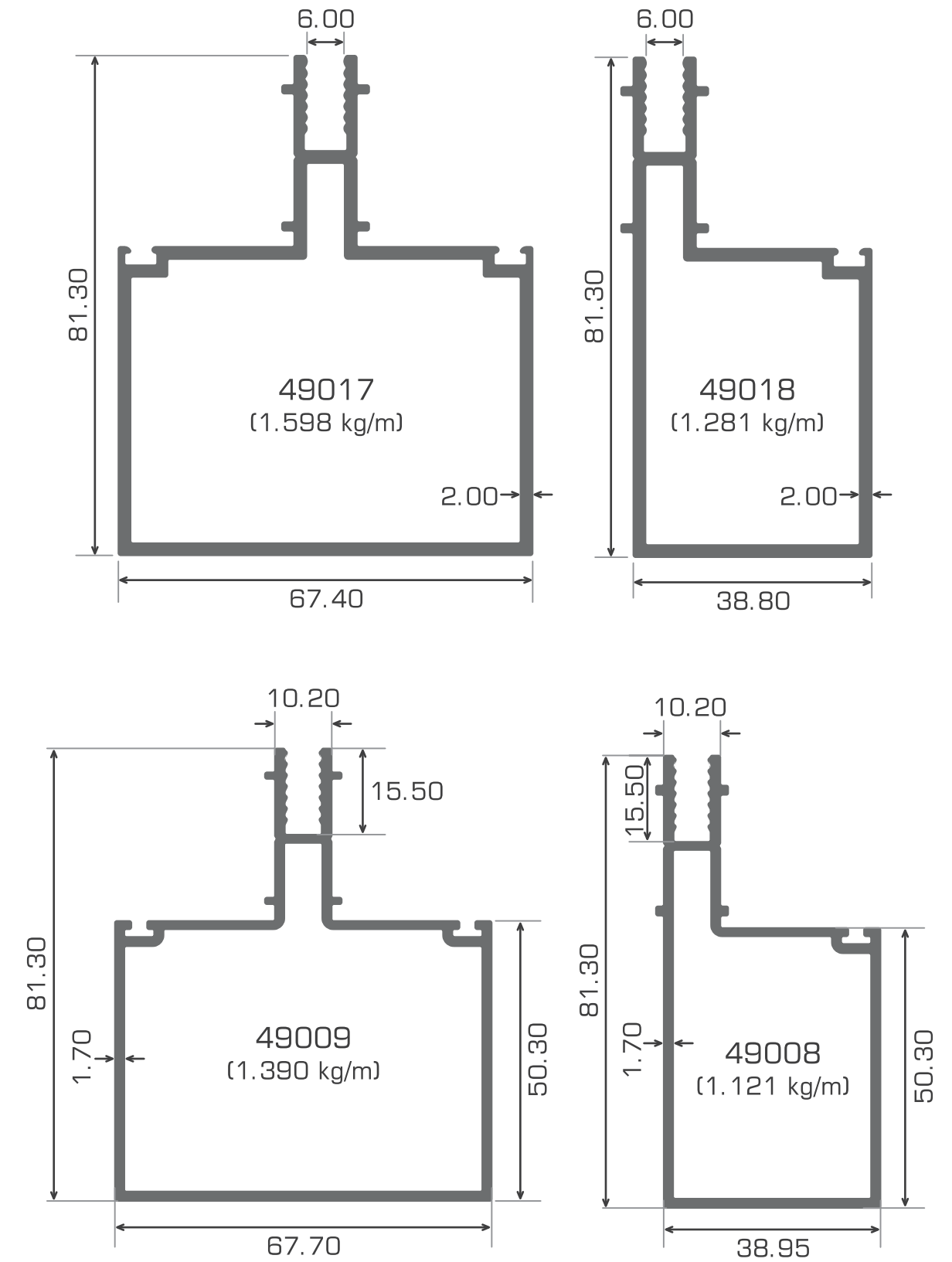
CURTAIN WALL



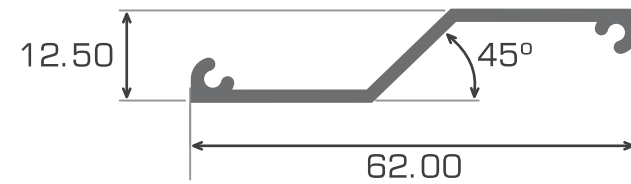
CURTAIN WALL



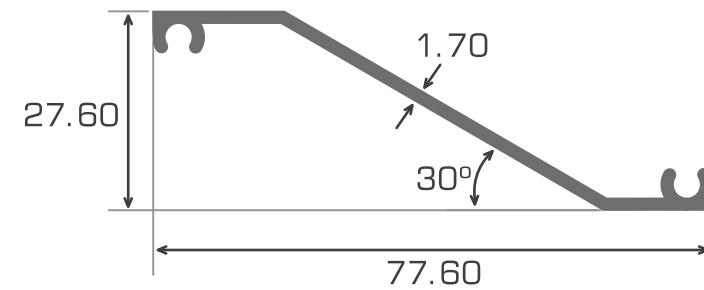
CURTAIN WALL



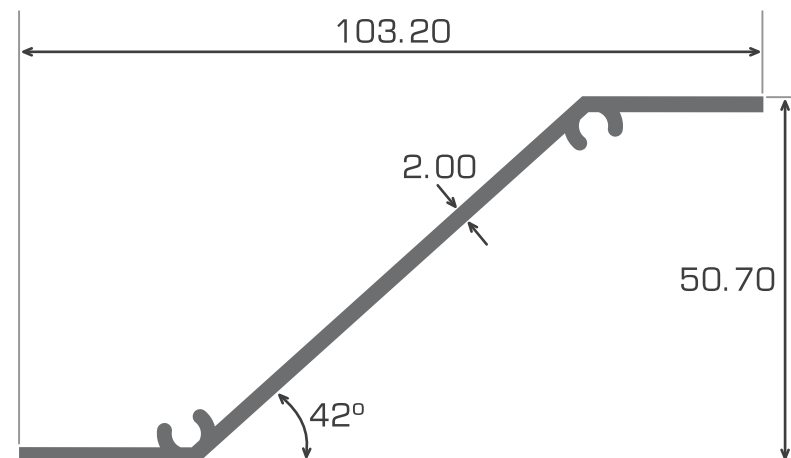
LOUVER PROFILE



26101
(0.287 kg/m)

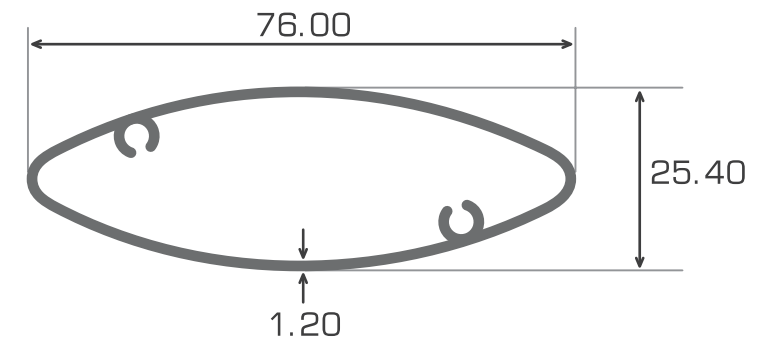


26102
(0.465 kg/m)

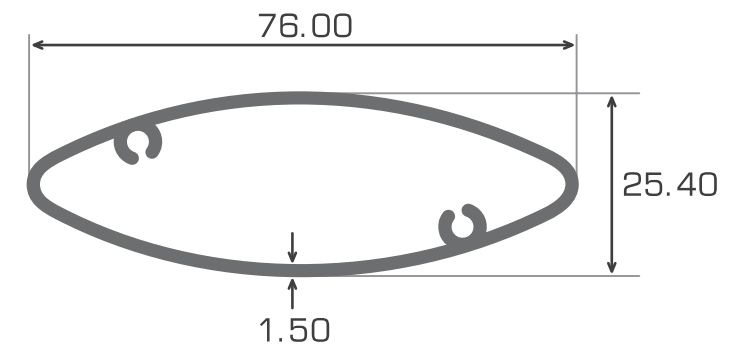


26103
(0.749 kg/m)

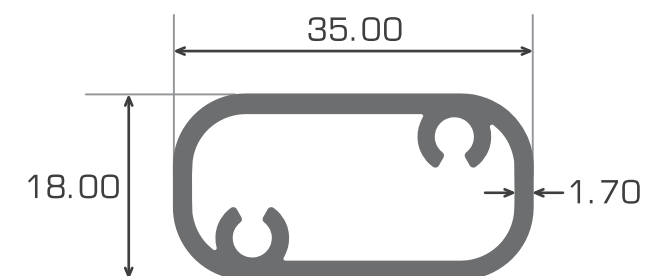
LOUVER PROFILE



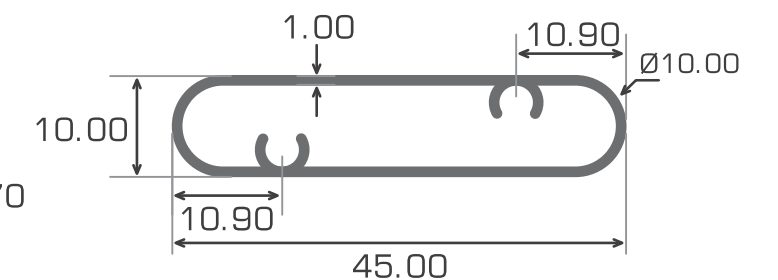
26251
(0.606 kg/m)



26252
(0.967 kg/m)

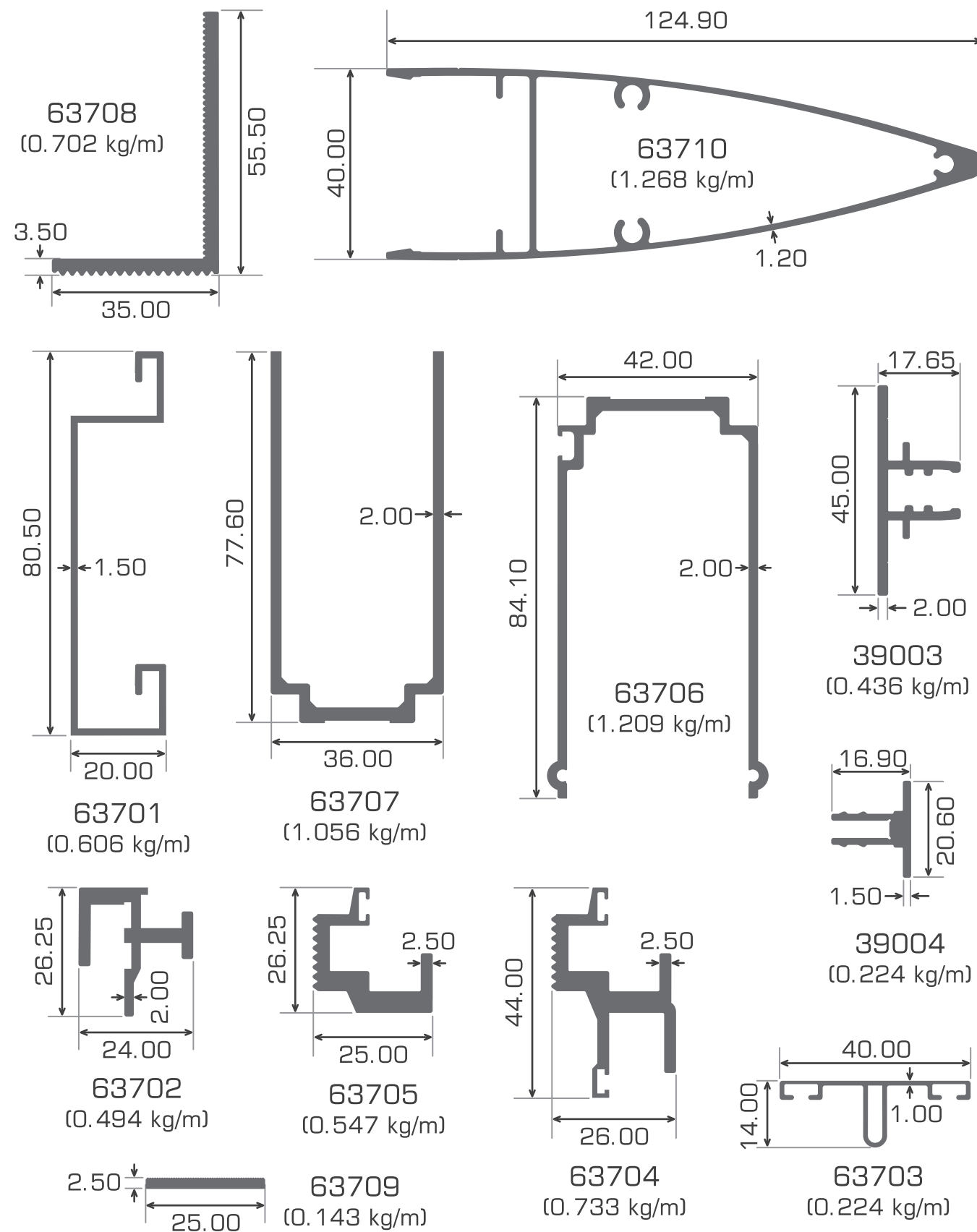


26254
(0.498 kg/m)



26253
(0.311 kg/m)

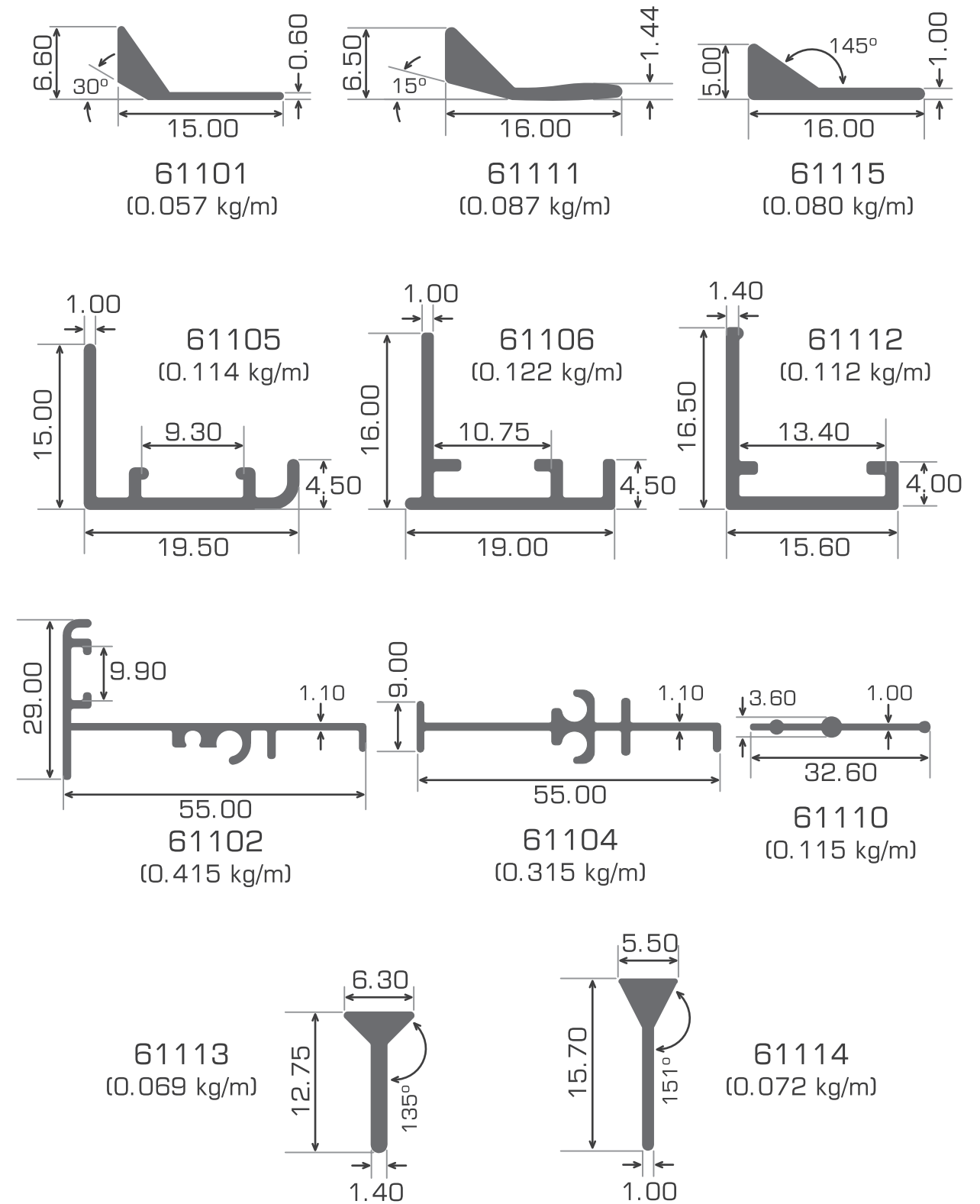
FACADE PROFILE



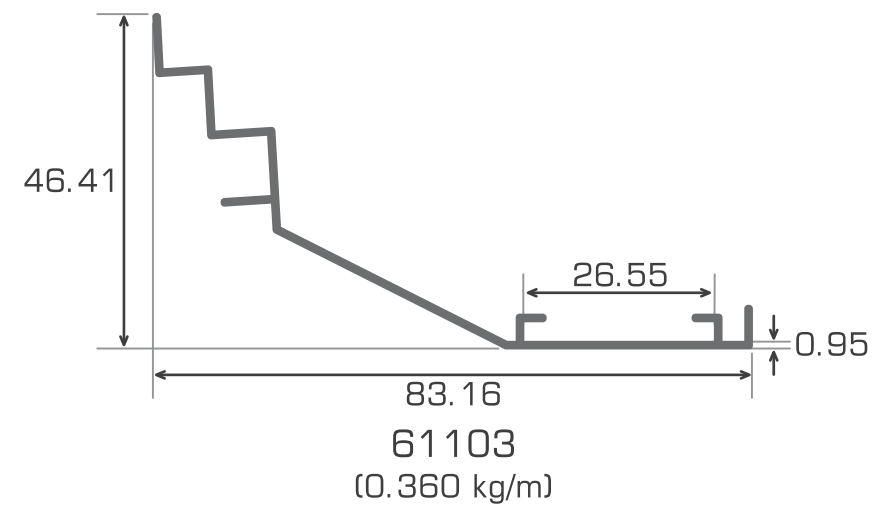
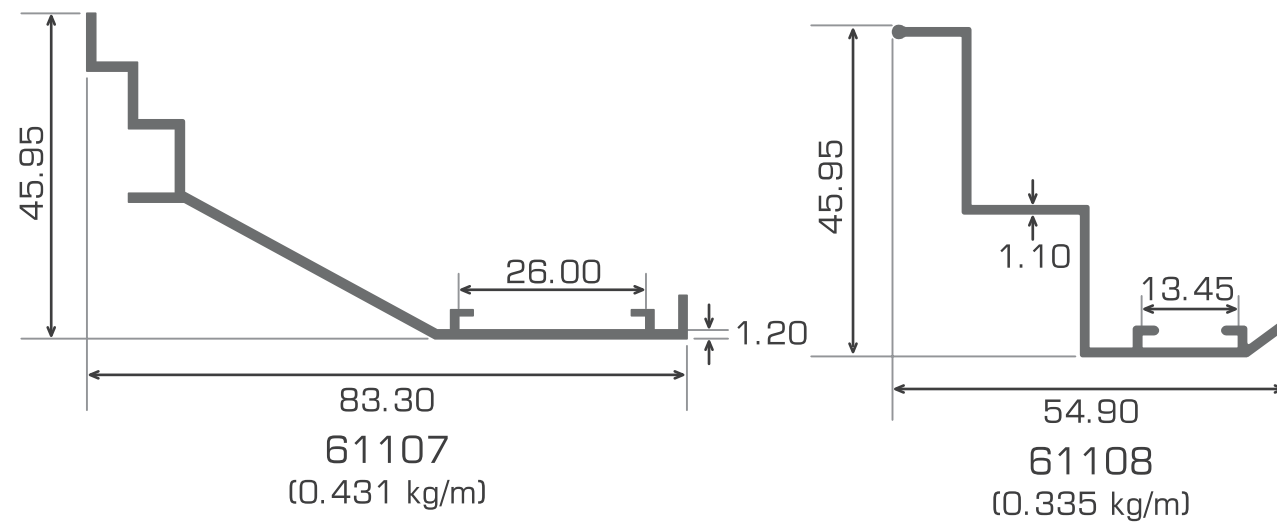
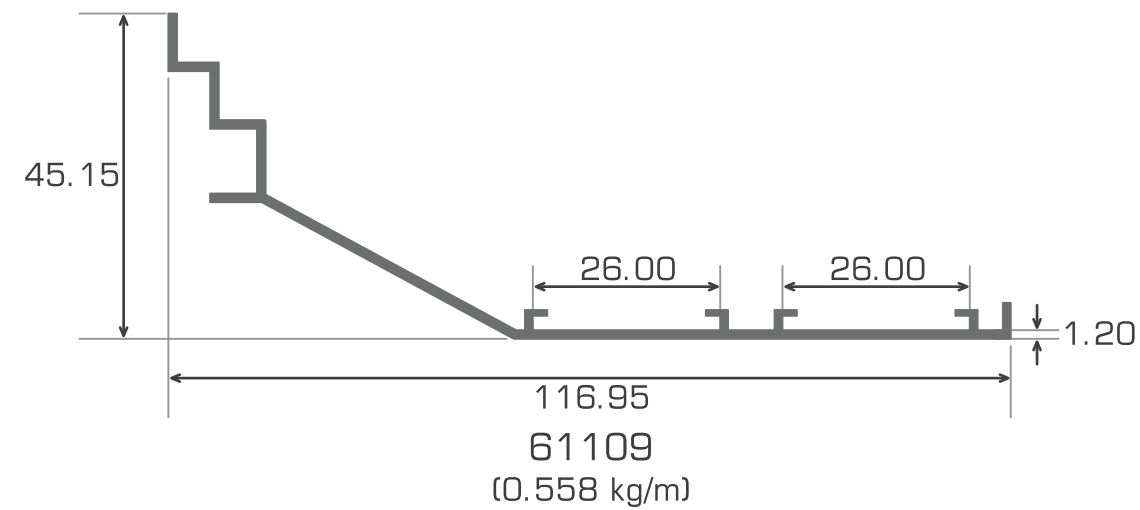
INDUSTRIAL PROFILE



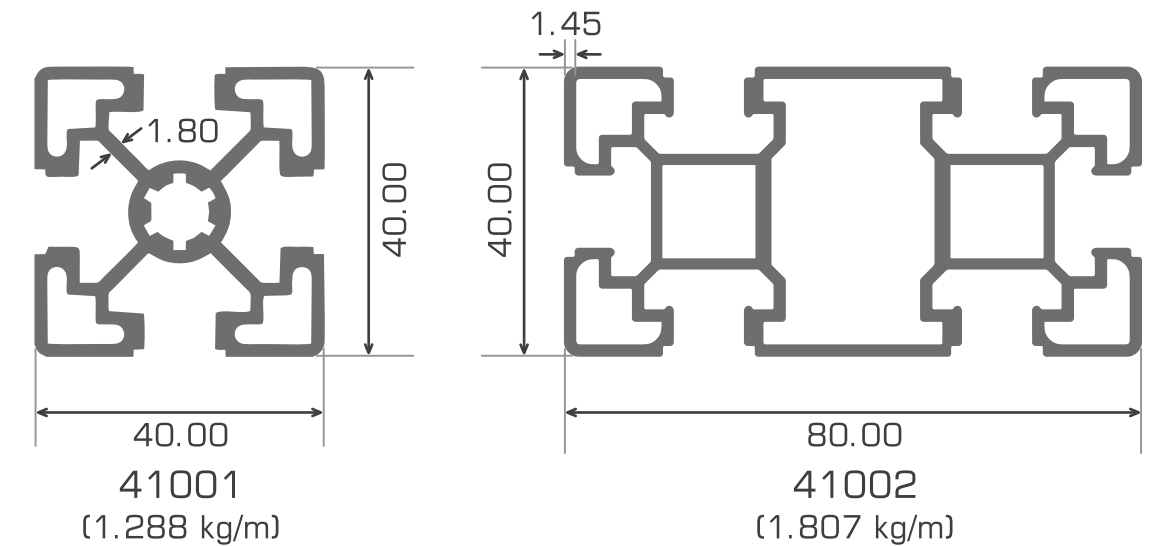
AIR GRILL PROFILE



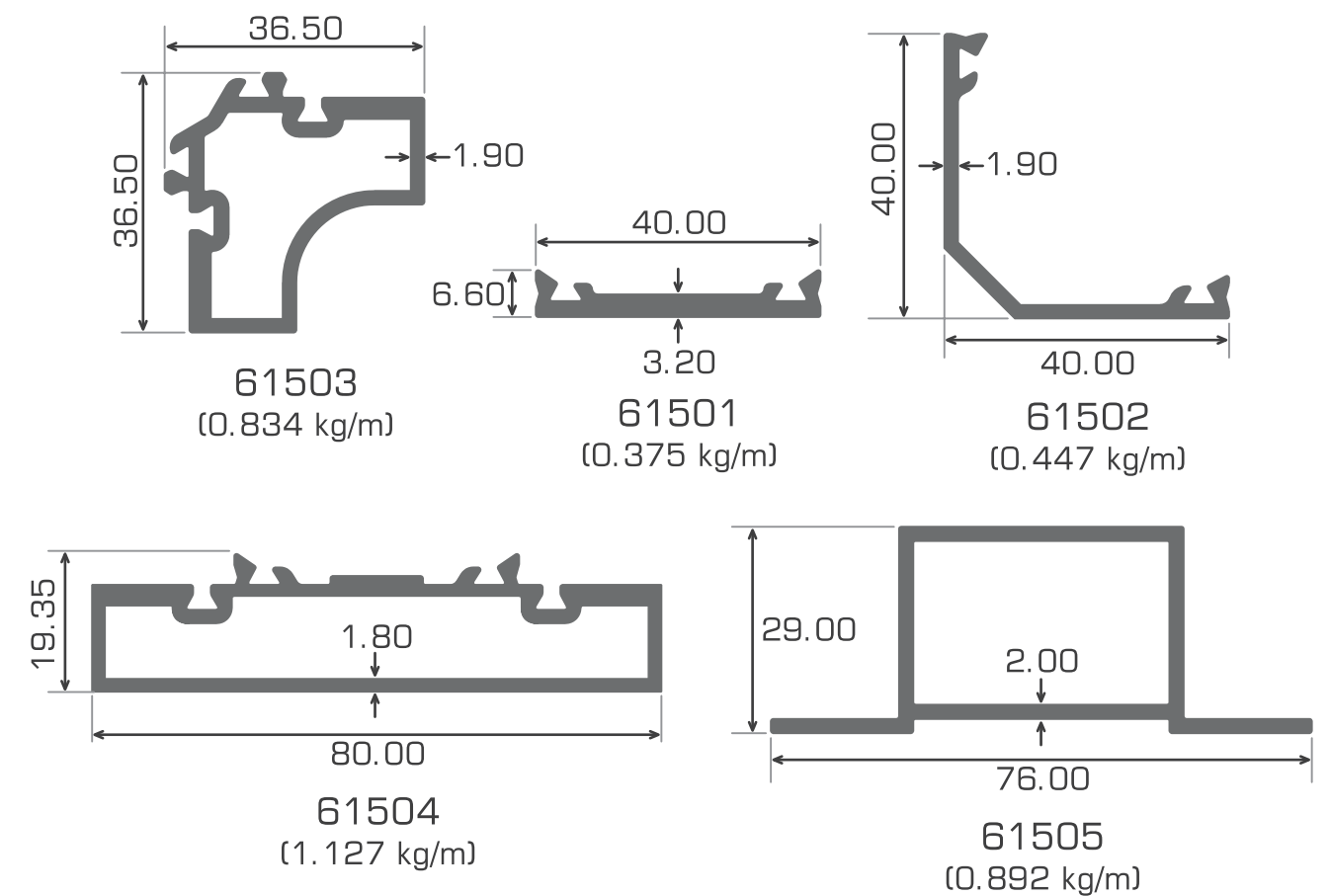
AIR GRILL PROFILE



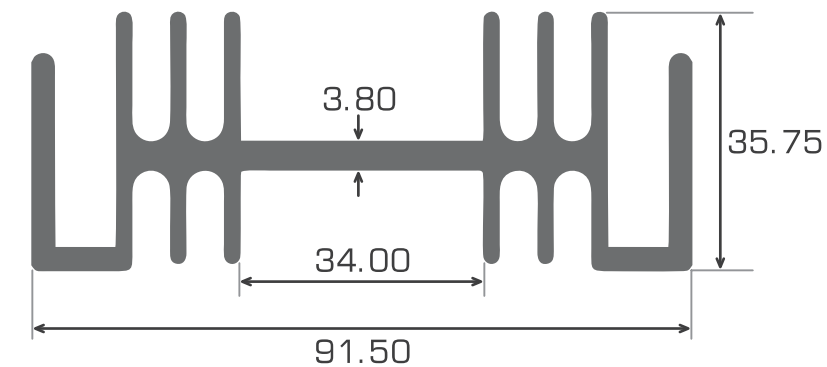
DISPLAY PROFILE



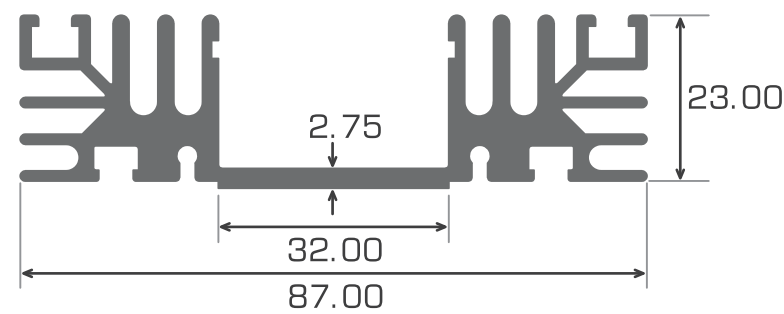
AHU PROFILE



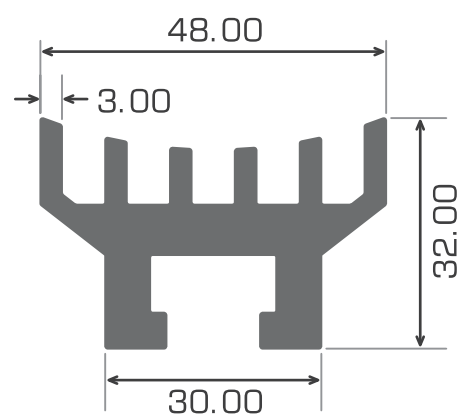
HEAT SINK



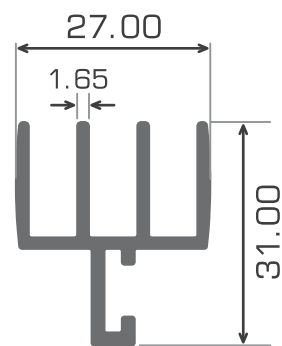
29001
(2.418 kg/m)



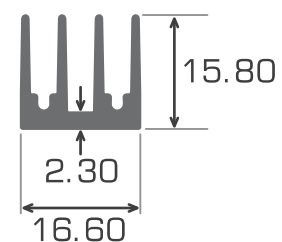
29002
(1.912 kg/m)



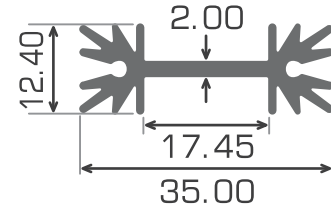
29006
(1.704 kg/m)



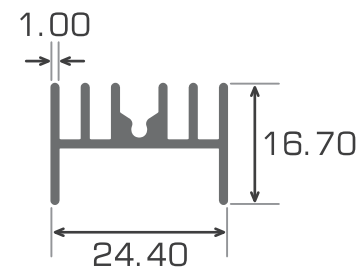
29008
(0.872 kg/m)



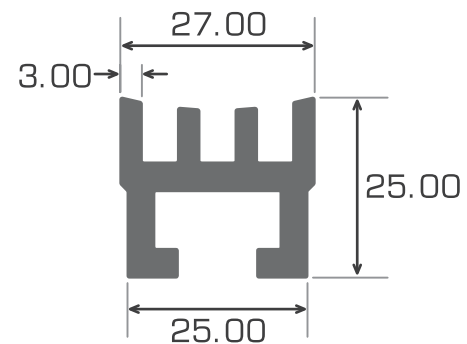
29004
(0.303 kg/m)



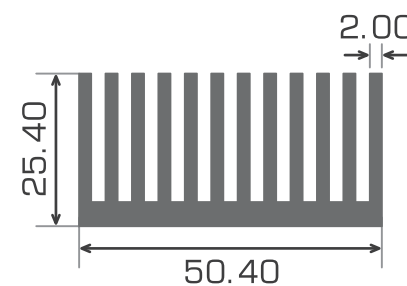
29003
(0.400 kg/m)



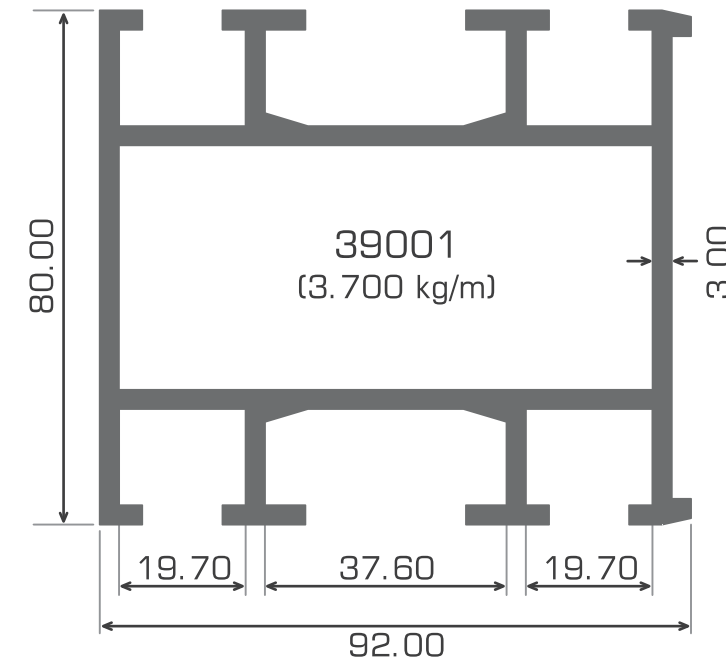
29005
(0.268 kg/m)



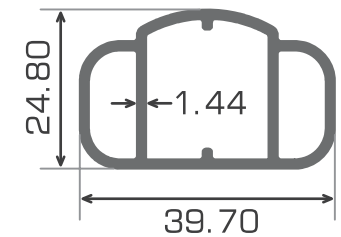
29007
(0.864 kg/m)



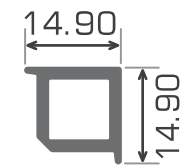
29009
(1.931 kg/m)



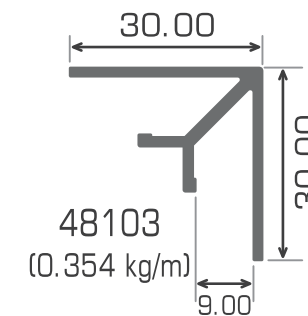
39001
(3.700 kg/m)



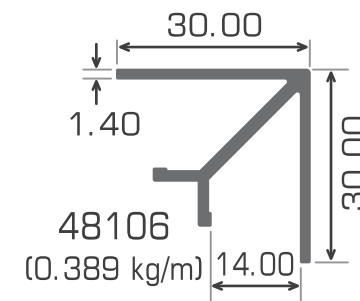
39002
(0.529 kg/m)



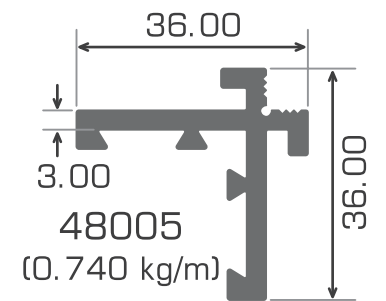
48115
(0.209 kg/m)



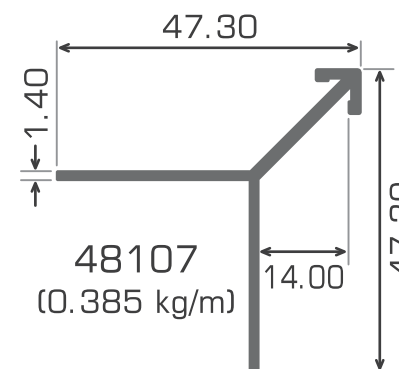
48103
(0.354 kg/m)



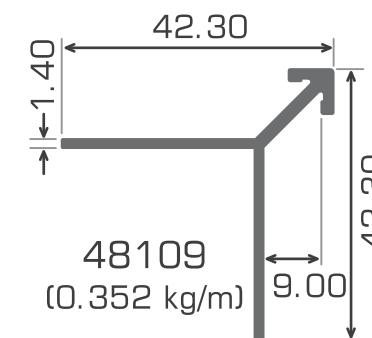
48106
(0.389 kg/m)



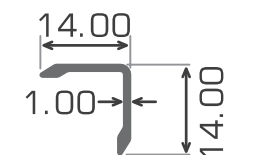
48005
(0.740 kg/m)



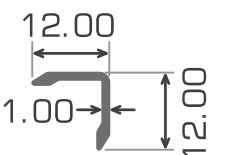
48107
(0.385 kg/m)



48109
(0.352 kg/m)

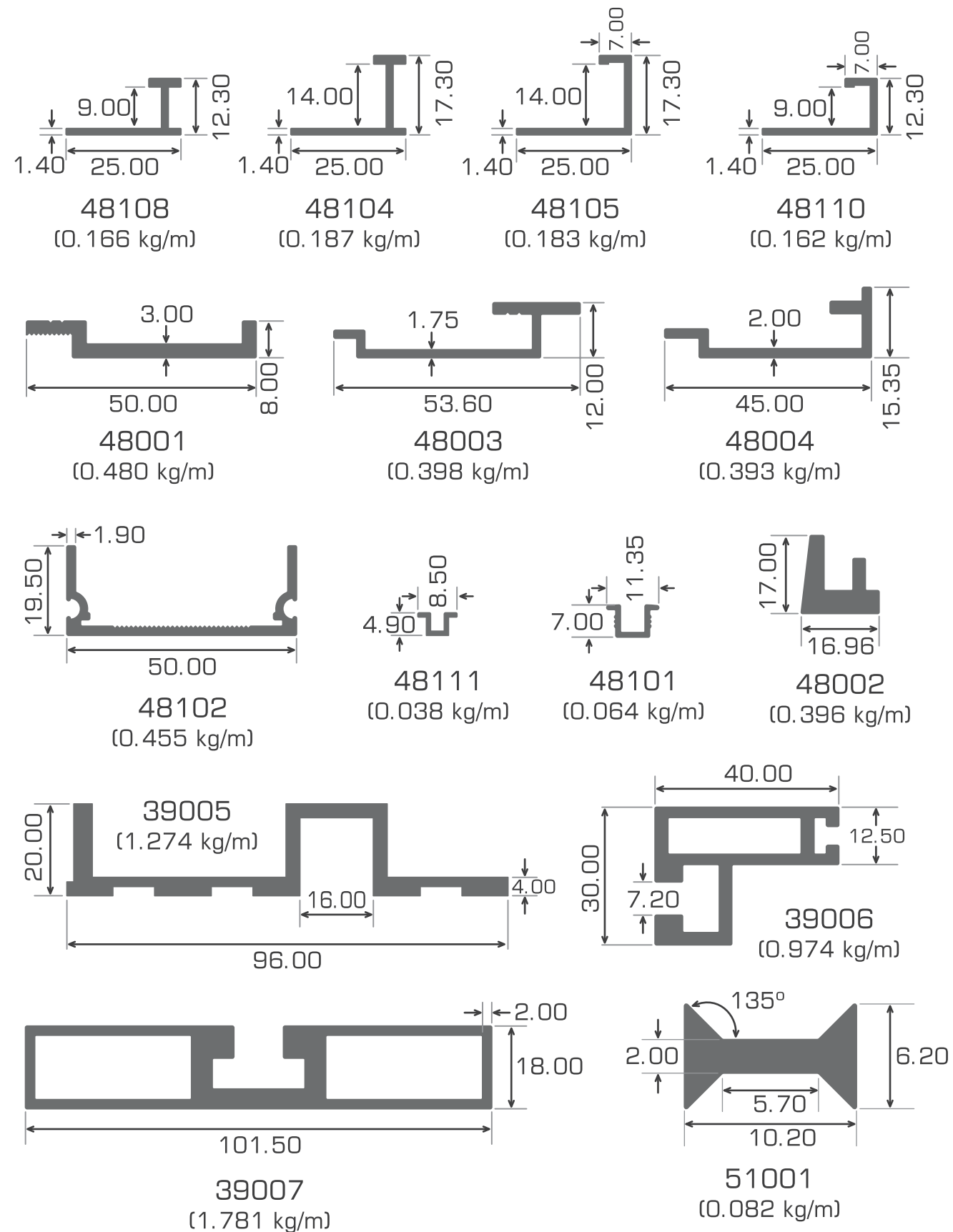


48112
(0.079 kg/m)

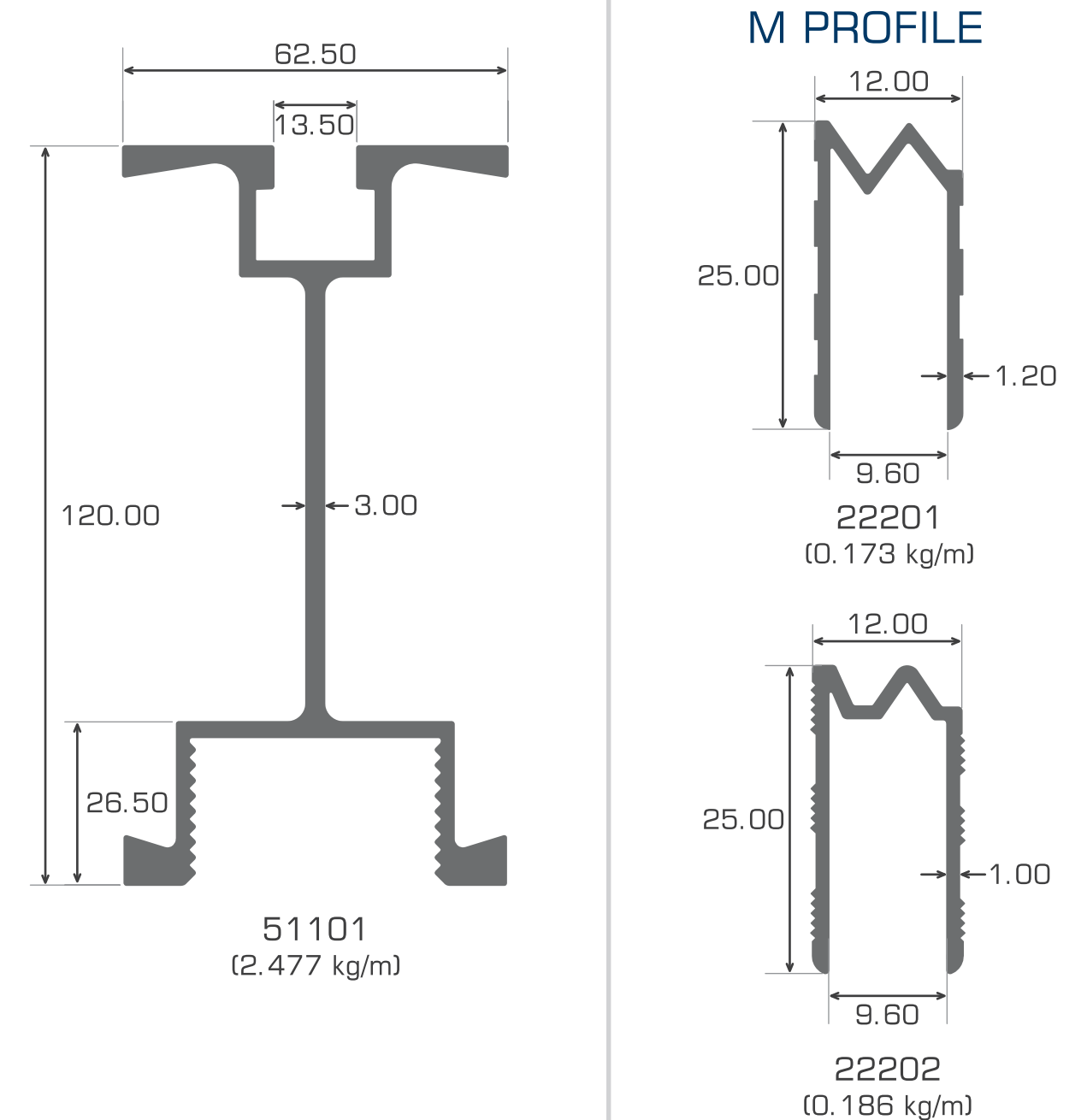


48113
(0.072 kg/m)

MISCELLANEOUS DIES



MISCELLANEOUS DIES



NOTE

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

NOTE

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

NOTE

