

A large, semi-circular graphic in the center of the page contains a collection of various aluminum extrusion profiles. These profiles are shown in a light gray, semi-transparent style, overlapping each other to showcase a wide range of shapes and sizes, including channels, angles, and more complex structural forms.

Catálogo de Produtos

Com uma moderna planta industrial, possuímos extrusoras automatizadas, com tecnologia de última geração e com capacidade produtiva de aproximadamente 1200 ton/mês.

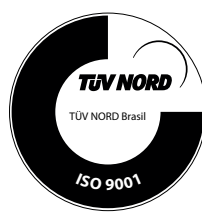
Nossos equipamentos possuem mesas de transferência de 62 metros, forno de envelhecimento com capacidade de temperar perfis de até 15,5 metros, prensas extrusoras de 7 polegadas e tecnologias de última geração para garantir as propriedades mecânicas estritamente conforme as normas ABNT.

Os tarugos que utilizamos são de altíssima qualidade e com eles fabricamos perfis de alumínio nas ligas: 6005, 6060, 6063, 6101, 6351 e 6061.

Efetuamos a rastreabilidade total do processo produtivo, visando garantir a qualidade exigida por nossos clientes. Nossa linha abrange produtos voltados para a construção civil e indústrias em geral.

A Alumax possui reconhecimento nacional através das certificações:

- **ISO 9001:** Gestão de qualidade, que assegura a eficiência dos nossos processos e a satisfação de nossos clientes.
- **ISO 14001:** Gestão ambiental, demonstrando nosso compromisso com a sustentabilidade e a preservação do meio ambiente.



A Alumax se reserva o direito de a qualquer momento e sem aviso, efetuar toda e qualquer modificação que julgar necessária neste catálogo.

Os pesos, espessuras neste catálogo, são indicativos e podem variar em função de tolerâncias previstas na norma ABNT ou indicadas no próprio catálogo.

O mesmo foi revisado, porém, poderão ocorrer divergências devido a erros de digitação.

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Especificações Técnicas

Retilinearidade - Tubos trefilados

Diâmetro externo ou largura (mm)	Desvio permissível por metro de comprimento ^{(1) (2)} (mm)
Abaixo de 9,52	38,75
9,53 a 152,39	0,78
152,40 e acima	1,55

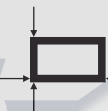
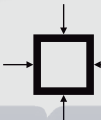
(1) Não aplicável em têmpera 0.

(2) Não aplicável para comprimentos abaixo de 3 metros.

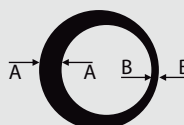
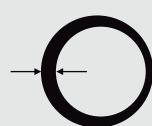
TOLERÂNCIAS DIMENSIONAIS EM TUBOS

Altura e largura (Tubos quadrados, retangulares, sextavados e oitavados)

Desvio permissível da altura (ou) largura em relação à dimensão nominal (+/- mm)

	Nos cantos	Em lados opostos ⁽¹⁾	
Altura ou largura nominal (mm)	 Tubos quadrados e retangulares	 Tubos quadrados sextavados e oitavados	Tubos retangulares
Tubos extrudados			
12,70 a 19,05	0,30	0,51	A tolerância para a largura é o valor da tolerância para uma dimensão igual à altura, e inversamente, mas em nenhum caso esta tolerância é menor for menor do que nos cantos ⁽²⁾
19,06 a 25,40	0,36	0,51	
25,41 a 50,80	0,46	0,63	
50,81 a 101,60	0,63	0,89	
101,60 a 126,70	0,89	1,14	
127,01 a 152,40	1,14	140	
	Tubos trefilados		
Até 12,70	0,08	0,15	A tolerância para a largura é o valor da tolerância para uma dimensão igual à altura, e inversamente, mas em nenhum caso esta tolerância é menor for menor do que nos cantos ⁽²⁾
12,71 a 25,40	0,10	0,20	
25,41 a 50,80	0,13	0,25	
50,81 a 76,20	0,15	0,30	
76,21 a 127,00	0,20	0,41	
127,01 a 152,40	0,25	0,51	
152,41 a 203,20	0,38	0,76	

Espessura de parede - Tubos extrudados

Tubos redondo extrudados					
Espessura nominal da parede (mm)	Desvio permissível da espessura média AA+BB/2 em relação à espessura nominal (+/- mm)				
	Diâmetro externo (mm)				
	Até 31,75	31,76 a 76,19	76,20 a 126,99	Acima de 127,00	
Até 1,19	0,15	-	-	-	Desvio permissível da espessura em qualquer ponto em relação a espessura média (+ mm) 10% da espessura média de parede Máximo: 1,52 Mínimo: 0,25
1,20 a 1,55	0,18	0,20	0,20	0,25	
1,56 a 1,95	0,20	0,20	0,23	0,30	
1,96 a 3,15	0,23	0,23	0,25	0,38	
3,16 a 6,34	0,23	0,23	0,33	0,51	
6,35 a 9,51	0,28	0,28	0,41	0,63	
9,52 a 12,69	-	0,38	0,53	0,89	
12,70 a 19,04	-	0,51	0,71	1,14	

TOLERÂNCIAS DIMENSIONAIS EM PERFIS EXTRUDADOS

Comprimento

Diâmetro externo ou largura nominal (mm) ⁽¹⁾	Desvio permissível em relação ao comprimento nominal (somente a mais) (mm)		
	Comprimento nominal (mm)		
	Até 3.660	3.661 a 9.150	9.151 a 15.250
Até 76,19	3,2	6,4	9,5
De 76,20 a 203,20	4,8	7,9	11,1
Acima de 203,20	6,4	9,5	12,7

Angularidade

Angularidade de espessura mínima da aba (mm) ⁽³⁾	Desvio permissível em relação ângulo nominal (graus) ⁽⁴⁾
Até 4,75	+/- 2,0
De 4,76 a 19,04	+/- 1,5
Acima de 19,05	+/- 1,0

Corte final

Desvio permissível do quadro +/- 1°.

(1) Para vergalhões diâmetro nominal, para barras largura nominal.

(2) Para se obter o desvio permissível em barras de mais de 1 metro de comprimento, multiplica-se o valor do comprimento pelo valor do desvio por metro.

(3) Quando houver duas abas adjacentes, considera-se a de menor espessura.

(4) Quando o espaço limitado pelo ângulo é todo metal, considera-se a menor espessura de metal no vértice do ângulo.

TOLERÂNCIAS DIMENSIONAIS EM TUBOS

ANSI – H35.2 (ABNT NBR 8116)

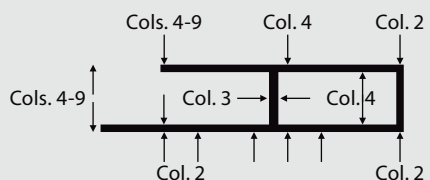
Diâmetros - Tubos redondos

Diâmetro nominal (mm)	Tolerâncias para mais e para menos ⁽²⁾			
	Desvio permissível do diâmetro médio $AA+BB / 2$ figura em relação ao diâmetro nominal (+/- mm)		Desvio permissível do diâmetro em qualquer ponto em relação ao diâmetro nominal (+/- mm) ⁽¹⁾	
	Tubos extrudados			
6,35 a 25,39	0,25		0,51	
25,40 a 50,79	0,30		0,64	
50,80 a 101,59	0,38		0,76	
101,60 a 152,39	0,64		1,27	
152,40 a 203,19	0,88		1,90	
203,20 a 253,99	1,14		2,54	
	Tubos trefilados			
		Ligas não tratáveis termicamente	Ligas tratáveis termicamente	
Até 12,73	0,08	0,08	0,15	
12,74 a 25,40	0,10	0,10	0,20	
25,41 a 50,80	0,13	0,13	0,25	
50,81 a 76,20	0,15	0,15	0,30	
76,21 a 127,00	0,20	0,20	0,41	
127,01 a 152,40	0,25	0,25	0,51	
152,41 a 203,20	0,38	0,38	0,76	

TOLERÂNCIAS DIMENSIONAIS EM PERFIS EXTRUDADOS

ANSI – H35.2 (ABNT NBR 8116)

Tolerâncias na seção transversal

Dimensão Nominal (mm)	Tolerâncias – para mais ou a menos (mm)							
	Em dimensões de metal				Dimensões entre superfície metálica			
	Dimensão especificado incluindo mais de 75% de metal				Dimensão especificado incluindo mais de 25% de vazio ⁽⁴⁾ ⁽⁵⁾			
								
	Todas as dimen- sões, exceto as especifica- das na coluna 3	Espessura de parede, de vazios fechados de mais de 70 mm (excentricidade) ⁽³⁾	Distância entre a dimensão especificada e a base mais próxima (mm)					
5 a 15			15 a 30	30 a 60	60 a 100	100 a 150	150 a 200	
Coluna 1	Coluna 2	Coluna 3	Coluna 4	Coluna 5	Coluna 6	Coluna 7	Coluna 8	Coluna 9
Até – 3,2	0,15	Mais ou menos 10% da espessura nominal (0,25mm mínimo) (1,50mm máximo)	0,25	0,30	-	-	-	-
3,2 – 6,3	0,18		0,36	0,36	0,41	-	-	-
6,3 – 12,5	0,20		0,41	0,41	0,46	0,50	-	-
12,5 - 20	0,23		0,46	0,46	0,50	0,56	-	-
20 – 25	0,25		0,50	0,50	0,56	0,64	0,76	-
25 – 40	0,30		0,58	0,58	0,66	0,76	0,88	-
40 – 50	0,36		0,66	0,66	0,78	0,92	1,05	1,25
50 – 100	0,60		0,96	0,96	1,20	1,45	1,70	2,05
100 – 150	0,86		1,25	1,25	1,65	2,00	2,40	2,80
150 – 200	1,10		1,55	1,55	2,40	2,50	3,05	3,55
200 – 250	1,35	1,90	1,90	2,50	3,05	3,70	4,30	

(1) A variação permitível de uma dimensão composta de dois ou mais componentes é a soma das tolerâncias se as dimensões dos componentes forem indicadas.

(2) Quando uma tolerância for assimétrica, a tolerância simétrica é calculada considerando como dimensão nominal a média dos valores máximos e mínimos permitidos.

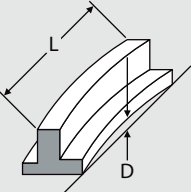
(3) Quando a espessura de uma parede de um vazio fechado não for cotada, o desvio permitível é o da coluna 3, aplicando a espessura média de parede (a espessura é a média das duas medidas tomadas).

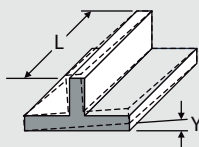
(4) Em pontos situados a menos de 6,35mm da base mais próxima, são aplicadas as tolerâncias da coluna 2.

(5) Adotam-se as seguintes tolerâncias em vazios fechados (perfis tubulares):

- I- A tolerância para a largura é o valor indicado na colina 4 para a altura;
- II- A tolerância para a altura é o valor indicado na coluna 4 para a largura;
- III- Em caso de algum destas tolerâncias podem ser inferiores às dimensões metálicas correspondentes (coluna 2).

Nota: (G) Nos pontos situados a 5mm ou menos do início da aba, aplica-se as tolerâncias da coluna 2.

Retilinearidade		
		
Diâmetro do menor círculo circunscrito (mm) ⁽¹⁾	Espessura mínima (mm)	Desvio (D) permissível por metro de comprimento (mm) ⁽²⁾
Até 38,09	Até 2,4	4,0
Até 38,10	Acima de 2,4	1,0
Acima de 38,10	Qualquer	1,0

Torção			
			
Diâmetro do menor círculo circunscrito (mm) ⁽¹⁾	Desvio (Y) permissível (graus)		
	Por metro de comprimento	No comprimento total	Torção máxima
Até 38,09	3,3	3,3 x L (metros)	7%
De 38,09 a 76,19	1,6	1,6 x L (metros)	5%
Acima de 76,20	0,8	0,8 x L (metros)	3%

CARACTERÍSTICAS ESPECÍFICAS									
CBA ASTM	Resistência à corrosão	Anodização		Solda MIG	Solda TIG	Usinagem	Deformabilidade a frio	Brasagem	Outras
		Decoração	Protetora						
1050	A	A	A	A	A	E	A	A	-
1100	A	A	A	A	A	E	A	A	-
1350	A	A	A	A	A	E	A	A	-
6005A	A	C	A	A	A	C	C	B	-
6060	A	A	A	A	A	D	B	A	-
6061	A	D	A	A	A	C	C	B	-
6063	A	A	A	A	A	D	B	A	-
6101	A	A	A	A	A	D	B	A	-
6261	A	C	A	A	A	C	C	B	-
6351	A	D	A	A	A	C	C	C	-
6463	A	A	A	A	A	D	B	A	-

Índices de "A até E" em ordem de mérito.
N- Não apropriado.

APLICAÇÕES TÍPICAS	
CBA/ASTM	Aplicações
1050	Equipamentos e embalagens para indústrias alimentícias, químicas, bebidas e trocadores de calor.
1100	Equipamentos e embalagem para indústrias alimentícias, químicas e trocadores de calor, refletores de luz.
1350	Condutores elétricos.
6005A	Carrocerias de veículos, estruturas e equipamentos.
6060	Esquadrias em geral, ornamentos, divisórias, forros, reboques, vagões, oleodutos e rebites.
6061	Estruturas solicitadas, caminhão, móveis, reboques, vagões, oleodutos e rebites.
6063	Tubos de irrigação, acabamento de carrocerias, apropriado para anodização decorativa fosca (decoreação).
6101	Condutores e barramentos elétricos.
6261	Carrocerias de veículos, estruturas e equipamentos, vergalhões para usinagem.
6351	Estruturas solicitadas, coberturas, veículos e equipamentos, peças usinadas.
6463	Frisos brilhantes para autos e eletrodomésticos, perfis brilhantes para uso geral (alto brilho).

PROPRIEDADES MECÂNICAS

CBA/ASTM		Limite de resistência à tração (MPa)	Limite de escoamento (MPa)	Alongamento (%) ⁽¹⁾
Liga	Têmpera			
1050	H12	70 (mín.)	30 (mín.)	-
	H14	85 (mín.)	70 (mín.)	18 (mín.)
	H18	110 (mín.)	90 (mín.)	8 (mín.)
	O	60 (max.)	15 (max.)	-
1100	H12	95 (mín.)	75 (mín.)	-
	H14	110 (mín.)	-	-
	H16	127 (mín.)	-	-
	H18	150 (mín.)	-	8 (mín.)
	O	105 (max.)	31 (max.)	-
1350	O	97 (max.)	-	25
6005A	T5	260 (mín.)	215 (mín.)	7 (mín.)
	T6	270 (mín.)	225 (mín.)	6 (mín.)
6060	T5	145 (mín.)	105 (mín.)	8 (mín.)
6063/6463	T4	130 (mín.)	70 (mín.)	13 (mín.)
	T5	145 (mín.)	105 (mín.)	8 (mín.)
	T6	205 (mín.)	170 (mín.)	8 (mín.)
	T6C	180 (mín.)	145 (mín.)	8 (mín.)
	O	117 (mín.)	35 (max.)	-
6061	T4	180 (mín.)	110 (mín.)	16 (mín.)
	T6	260 (mín.)	240 (mín.)	8 (mín.)
6082	T6	300 (mín.)	255 (mín.)	6 (mín.)
6101	T6	200 (mín.)	172 (mín.)	8 (mín.)
6261	T4	180 (mín.)	110 (mín.)	13 (mín.)
	T6	263 (mín.)	225 (mín.)	10 (mín.)
	T6C	230 (mín.)	200 (mín.)	7 (mín.)
6351	T4	220 (mín.)	130 (mín.)	16 (mín.)
	T6	290 (mín.)	260 (mín.)	8 (mín.)
	O	96 (mín.)	31 (max.)	25 (max.)

Obs.:

Perfis em quaisquer ligas podem ser fornecidos no estado "F" como fabricados, sem qualquer garantia quanto as características mecânicas.

As características mecânicas das ligas recozidas são valores máximos, de modo a garantir um completo recozimento.

Propriedades mecânicas de acordo com a norma ASTM-B221 (ABNT-NBR 7000).

Na liga 6101 têmpera T6 o valor da % IACS mínimo é de 55.

Para dobramentos especiais, a CBA poderá fornecer os produtos extrudados nas têmperas T52 (somente na liga 6063) e T6F (todas as ligas da série 6xxx).

COMPOSIÇÃO QUÍMICA											
CBA ASTM	Si	Fe	Cu	Mn	Mg	C	Zn	TL	Outros elementos		Alumínio (Mínimo)
									Cada	Total	
1050	0,25	0,40	0,05	0,05	0,05	-	0,05	0,03	0,03	-	99,50
1100	1,0	Si+Fe	0,05-0,20	0,05	-	-	0,10	-	0,05	0,15	99,00
1350	0,10	0,40	0,05	0,01	-	0,01	0,05	Ti+V≤0,02	0,03	0,10	99,50
6005A	0,50-0,90	0,35	0,30	0,50	0,40-0,70	0,30	0,20	0,10	0,05	0,15	Restante
6060	0,30-0,6	0,10-0,30	0,10	0,10	0,35-0,60	0,05	0,15	0,10	0,05	0,15	Restante
6061	0,40-0,80	0,70	0,15-0,40	0,15	0,80-1,2	0,04-0,35	0,25	0,15	0,05	0,15	Restante
6063	0,20-0,60	0,35	0,10	0,10	0,45-0,90	0,10	0,10	0,10	0,05	0,15	Restante
6082	0,7-1,3	0,50	0,10	0,40-1,0	0,60-1,2	0,25	0,20	0,10	0,05	0,15	Restante
6101	0,30-0,70	0,50	0,10	0,03	0,35-0,8	0,03	0,10	-	0,03	0,10	Restante
6261	0,40-0,70	0,40	0,15-0,40	0,20-0,35	0,7-1,0	0,10	0,20	0,10	0,05	0,15	Restante
6351	0,7-1,3	0,50	0,10	0,40-0,8	0,40-0,8	-	0,20	0,20	0,05	0,15	Restante
6463	0,2-0,6	0,15	0,2	0,05	0,45-0,9	-	0,05	0,03	0,05	0,15	Restante

EQUIVALÊNCIA ENTRE NORMAS					
ASTM CSA	ABNT/ BRASIL	Alemanha (DIN)	Inglaterra (BS)	Itália (UNI)	França (NF ou NR)
1050	1050	Al 99,5	1B	P-Al-P 99,5	A5
1100	1100	Al 99,0	1C	P-Al-P99,0	A4
1350	1350	E-Al99,5	1E	-	A5/L
6005A	6005A	Al Mg Si 0,7	-	-	-
6060	6060	Al Mg Si 0,5	H-9	P-Al Si 0,4 Mg	A-GS
6061	6061	Al Mg Si Cu	H-20	P-Al Mg1 Si Cu	A-GSUC
6063	6063	Al Mg Si 0,5	H-9	P-Al Mg Si	A-GS
6101	6101	E-Al Mg Si 0,5	91-E	P-Al Si 0,5 Mg	A-G S/L
6261	6261	-	-	-	-
6351	6351	Al Mg Si	H-30	P-Al Si Mg Mn	A-SGM
6463	6463	-	-	P-Al Mg Si/Cu	-

A composição química é equivalente a norma ASTM-B221 (ABNT-NBR 6834).
Os valores mencionados indicam porcentagens em peso e representam limites máximos, salvo quando expresso intervalo.

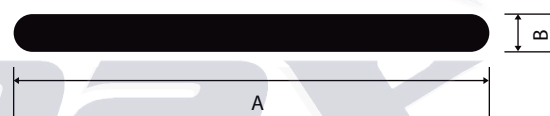
TIPOS DE PRODUTOS/LIGAS E TÊMPERAS DISPONÍVEIS

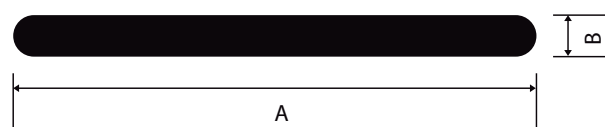
CBA ASTM	Perfis		Tubos			Arames	Vergalhão	
	Solidos	Tubulares	Redondos		Outros Extrudados		Extrudados	Trefilados
			Extrudados	Trefilados				
1050	O	O	O	O	O	O	O	O
				H12 H14 H18		H14 H24		H14 H24
	F	F	F	F	F	F	F	F
1100	O	O	O	O	O	O	O	O
				H12 H14 H16 H18		H14 H18 H24		H14 H18 H24
	F	F	F	F		F		F
1350	O	O	O	O	O	O	O	O
	F	F	F	F	F	F	F	F
6005A	T5 T6 e F	T5 T6 e F	T5 T6 e F		T5 T6 e F		T5 T6 e F	
6060	O	O	O	O	O	O	O	O
	T5 F	T5 F	T5 F	F	T5 F	F	T5 F	F
6061	O	O				T9		T9
	T4 T6 F	T4 T6 F						
6063 6463	O	O	O	O	O	O	O	O
	T4 5	T4 T5	T4 T5		T4 T5		T4 T5	
6101	T6C T6 F	T6C T6 F	T6C T6 F	F	T6C T6 F	F	T6C T6 F	F
	T6		T6				T6	
6261	T4 T6C T6	T4 T6C T6	T4 T6C T6		T4 T6C T6		T4 T6C T6	O
								F
6351	O	O	O		O	O	O	O
	T4 T6 F	T4 T6 F	T4 T6 F		T4 T6 F	F	T4 T6 F	F

CARACTERÍSTICAS FÍSICAS DO ALUMÍNIO E OUTROS MATERIAIS

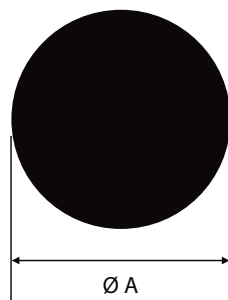
Propriedades físicas	Alumínio (1100)	Aço (1020)	Cobre (Puro)
Peso específico (kg/m³) x 10³	2,71	7,86	8,96
Temperatura de fusão (°C)	657	1500	1083
Módulo de elasticidade (kg/mm²)	7.000	21.000	11.250
Coefficiente de dilatação térmica linear 20 ° a 100 ° C (M/M.K.)	23,6x10 ⁻⁶	11,7x10 ⁻⁶	16,5x10 ⁻⁶
Condutibilidade térmica a 25 °C (W/M.K)	222	52	394
Condutibilidade elétrica (%IACS) à 20 °C	59	14,5	100

Nº PERFIL	PESO LINEAR (KG/M)	A	B
NI-1133	0,100	15,88	2,38
NI-573	0,386	25,00	6,00
NI-1652	0,179	27,00	2,50
NI-1652	0,179	27,00	2,50
NI-338	0,499	32,00	6,00
NI-960	0,580	38,00	6,00
NI-341	0,629	40,00	6,00
NI-180	0,966	50,00	6,00
NI-902	1,296	50,00	10,00
NI-1263	0,915	60,00	5,75
NI-181	1,035	65,00	6,00
NI-903	1,703	65,00	10,00
NI-1011	1,287	75,00	6,45
NI-788	1,247	78,00	6,00
NI-156	1,279	80,00	6,00
NI-898	2,109	80,00	10,00
NI-1012	1,462	85,00	6,45
NI-878	1,249	85,00	5,50
NI-340	1,442	90,00	6,00
NI-1188	1,262	100,00	5,00
NI-157	1,605	100,00	6,00
NI-899	2,651	100,00	10,00
NI-369	1,768	110,00	6,00
NI-901	2,922	110,00	10,00
NI-1013	1,916	111,00	6,45
NI-160	1,163	120,00	3,60
NI-158	1,930	120,00	6,00
NI-617	4,992	120,00	15,80
NI-743	0,975	120,00	3,00
NI-900	3,193	120,00	10,00
NI-835	2,011	125,00	6,00
NI-846	2,672	125,00	8,00
NI-612	2,162	127,00	6,35
NI-1000	3,523	130,00	10,00
NI-1014	2,248	130,00	6,45
NI-182	2,092	130,00	6,00
NI-883	1,920	130,00	5,50
NI-866	0,715	132,00	2,00
NI-159	2,255	140,00	6,00
NI-1015	2,598	150,00	6,45
NI-339	2,418	150,00	6,00
NI-836	2,418	150,00	6,00
NI-808	2,592	152,00	6,35
NI-1143	2,475	160,00	5,75
NI-1218	2,580	160,00	6,00
NI-1016	3,035	175,00	6,45
NI-1217	2,905	180,00	6,00
NI-879	2,761	180,00	5,70
NI-880	3,050	180,00	6,30
NI-886	1,458	180,00	3,00
NI-1017	3,385	195,00	6,45
NI-1432	3,097	200,00	5,75
NI-945	3,231	200,00	6,00
NI-1691	3,881	240,00	6,00





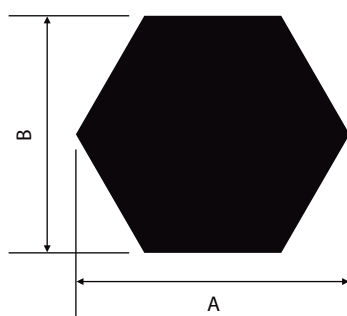
Nº PERFIL	PESO LINEAR (KG/M)	A	B
NI-1440	0,131	15,87	3,17
NI-1559	0,532	50,00	4,00
NI-1411	0,662	50,00	5,00
NI-1411	0,662	50,00	5,00
NI-1474	0,954	60,00	6,00
NI-1410	1,028	77,00	5,00
NI-1410	1,026	77,00	5,00
NI-1389	0,866	80,00	4,00
NI-1012	1,462	85,00	6,45
NI-1508	0,772	95,00	3,00
NI-1349	1,539	100,00	5,75
NI-1554	2,265	130,00	6,50
NI-1400	4,006	150,00	10,00
NI-1453	5,966	150,00	15,00
NI-1583	2,793	160,00	6,50
NI-1584	3,146	180,00	6,50
NI-1556	3,945	240,00	6,10
NI-2315	3,393	210,00	6,00
NI-2323	6,947	200,00	13,00
NI-2329	0,262	25,15	4,13
NI-2330	0,316	30,02	4,13
NI-2331	0,371	35,02	4,13
NI-2332	0,425	40,03	4,13
NI-2333	0,750	70,48	4,13
NI-2334	0,858	80,48	4,13
NI-2335	1,075	100,64	4,13
NI-2336	1,346	125,08	4,13
NI-2341	4,515	210,1	8,13
NI-2329	0,262	25,15	4,13
NI-2330	0,316	30,02	4,13
NI-2331	0,371	35,02	4,13
NI-2332	0,425	40,03	4,13
NI-2333	0,750	70,48	4,13
NI-2334	0,858	80,48	4,13
NI-2335	1,075	100,64	4,13
NI-2336	1,346	125,08	4,13
NI-2341	4,515	210,1	8,13



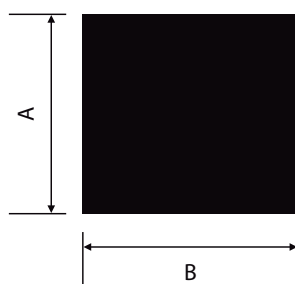
Nº PERFIL	PESO LINEAR (KG/M)	A
NI-1916	0,192	9,52
VER-011	0,343	12,70
VER-014	0,536	15,87
VER-016	0,772	19,05
VER-018	1,050	22,22
NI-1055	1,330	25,00
VER-021	1,373	25,40
VER-032	3,089	38,10
VER-040	5,592	50,80



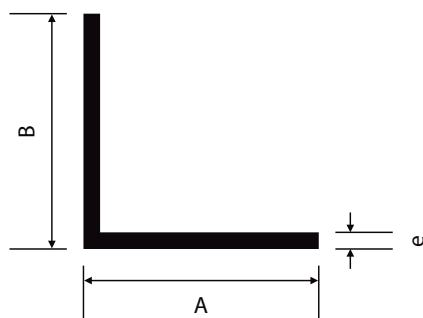
N° PERFIL	PESO LINEAR (KG/M)	A	B
BAR-012	0,109	12,70	3,18
NI-187	0,109	15,60	2,60
BAR-049	0,204	15,87	4,76
BAR-013	0,137	15,88	3,18
NI-1132	0,086	15,88	2,00
BAR-014	0,163	19,05	3,17
BAR-158	0,655	19,05	12,70
NI-1235	0,108	20,00	2,00
NI-1269	0,081	20,00	1,50
NI-1232	0,085	21,00	1,50
BAR-016	0,218	25,40	3,17
BAR-091	0,437	25,40	6,35
BAR-129	0,655	25,40	9,52
BAR-160	0,873	25,40	12,70
NI-1293	1,204	25,40	17,50
BAR-019	0,275	31,75	3,18
BAR-054	0,409	31,75	4,76
BAR-093	0,546	31,75	6,35
BAR-132	0,818	31,75	9,52
BAR-022	0,328	38,10	3,18
BAR-096	0,655	38,10	6,35
BAR-134	0,982	38,10	9,52
BAR-027	0,437	50,80	3,18
BAR-061	0,655	50,80	4,76
BAR-100	0,873	50,80	6,35
BAR-137	1,31	50,80	9,52
BAR-168	1,748	50,80	12,70
BAR-030	0,545	63,50	3,17
NI-1004	0,406	100,00	1,50
NI-018	0,411	101,50	1,50
NI-1302	5,506	160,00	12,70
BAR-196	8,744	203,20	15,88



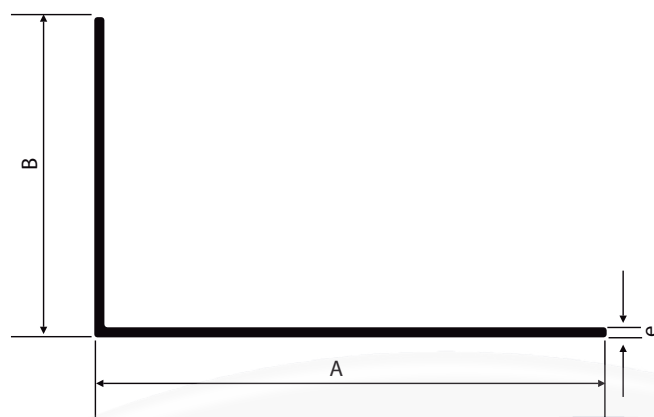
Nº PERFIL	PESO LINEAR (KG/M)	A	B
VER-6005	0,378	14,66	12,70
VER-6007	0,591	18,33	15,87
VER-6009	0,851	22,00	19,05
VER-6011	1,158	25,66	22,22
VER-6013	1,514	29,33	25,40



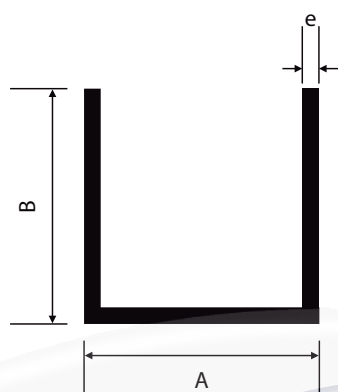
Nº PERFIL	PESO LINEAR (KG/M)	A=B (mm)
VER-4008	0,435	12,70
VER-4017	1,748	25,40
VER-4022	3,933	38,10



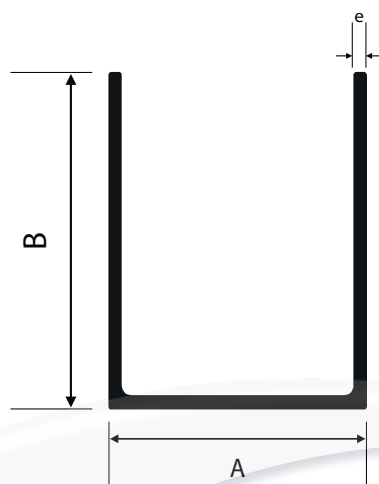
Nº PERFIL	PESO LINEAR (KG/M)	A	B
L-002	0,084	12,70	1,30
L-585	0,128	15,87	1,58
L-405	0,107	15,88	1,30
L-009	0,129	19,05	1,30
L-009A	0,100	19,05	1,00
L-586	0,156	19,05	1,58
L-013	0,210	25,40	1,58
L-014	0,409	25,40	3,17
L-741A	0,135	25,40	1,00
L-741	0,160	25,40	1,20
NI-1462	0,314	30,00	2,00
L-018	0,519	31,75	3,18
L-019	0,758	31,75	4,76
L-022	0,629	38,10	3,18
L-023	0,921	38,10	4,76
L-025	0,801	50,80	3,00
L-612	0,486	50,80	1,80
L-026	1,249	50,80	4,76
L-027	1,638	50,80	6,35
L-747	1,282	76,20	3,17
NI-1461	1,276	80,00	3,00



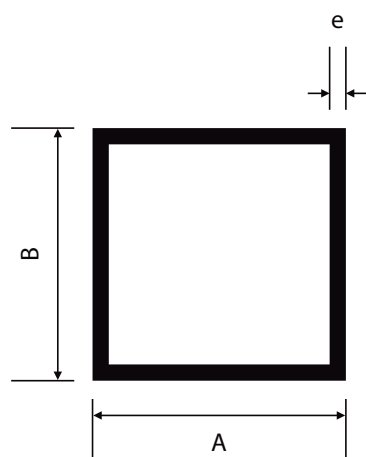
N° PERFIL	PESO LINEAR (KG/M)	A	B	e (espessura)
NI-930	0,209	22,22	19,70	2,38
L-668A	0,220	50,80	31,75	1,00
NI-1575	0,931	50,00	40,00	4,00



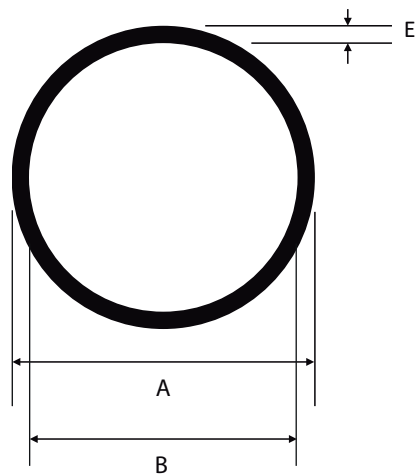
N° PERFIL	PESO LINEAR (KG/M)	A=B (mm)	e (espessura)
U-044	0,1591	2,70	1,70
U-064L	0,272	22,31	1,58
U-2020	0,158	15,87	1,30
NI-1285	0,084	9,50	1,20



N° PERFIL	PESO LINEAR (KG/M)	A	B	e (espessura)
NI-1286	0,255	19,05	12,70	2,38
NI-1379	0,181	25,00	22,00	1,00
NI-1185	0,284	26,00	32,00	1,20
PU-639	0,391	23,00	35,00	1,50

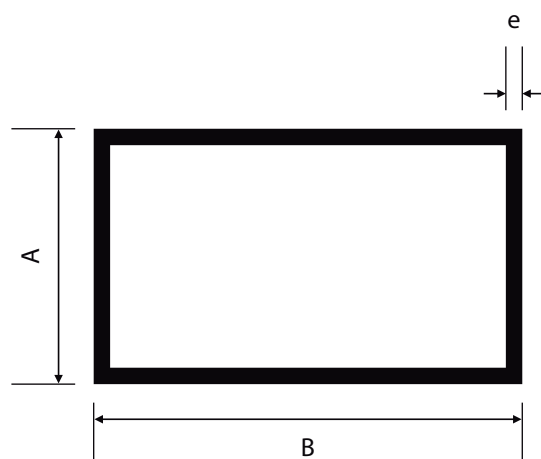


Nº PERFIL	PESO LINEAR (KG/M)	A=B (mm)	e (espessura)
TUB-4003	0,195	19,05	1,00
TUB-4003L	0,285	19,05	1,50
NI-401	0,264	25,40	1,00
TUB-4008	0,289	25,40	1,10
TUB-4008P	0,407	25,40	1,58
NI-1255	0,314	25,40	1,20
TUB-4046L	0,314	30,00	1,00
TUB-4011L	0,397	31,75	1,20
TUB-4064L	0,402	38,10	1,00
TUB-4014	0,594	38,10	1,50
NI-606	0,644	50,80	1,20
TUB-4020L	0,749	50,80	1,40
TUB-4020P	0,956	50,80	1,80
TUB-4024L	0,975	76,20	1,30
TUB-4054	2,685	101,60	2,50
TUB-4054L	2,159	101,60	2,00



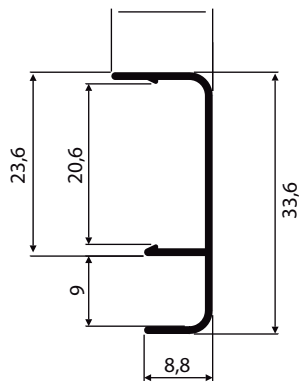
N° PERFIL	PESO LINEAR (KG/M)	A	B	e (espesura)
TUB-010	0,149	12,70	9,54	1,58
TUB-009	0,117	12,70	10,30	1,20
NI-1212	0,099	12,70	10,70	1,00
NI-402	0,126	15,87	13,87	1,00
TUB-018	0,138	15,87	13,67	1,10
NI-1211	0,138	16,70	14,70	1,10
NI-2140	0,340	19,05	14,25	2,40
TUB-028	0,234	19,05	15,89	1,58
TUB-027	0,188	19,05	16,57	1,24
TUB-026	0,133	19,05	17,05	1,00
NI-1565	0,213	21,50	19,20	1,24
NI-1566	0,255	21,50	18,50	1,50
NI-1564	0,261	22,22	19,26	1,48
TUB-038	0,278	22,22	19,06	1,58
TUB-36	0,180	22,22	20,22	1,00
NI-374	0,397	25,40	21,40	2,00
NI-170	0,300	25,00	22,00	1,50
TUB-046	0,304	25,40	22,40	1,50
NI-1272	0,420	26,70	22,70	2,00
TUB-045	0,247	25,40	22,92	1,24
NI-403	0,207	25,40	23,40	1,00
TUB-462	0,234	28,58	26,58	1,00
TUB-061	0,771	31,75	25,40	3,17
TUB-060	0,563	31,75	27,25	2,25
NI-2111	0,458	31,75	28,15	1,80
NI-2139	0,729	38,10	33,30	2,40
NI-2158	1,660	44,00	34,00	5,00
NI-2159	1,820	52,00	43,00	4,50
TUB-4009	0,437	25,40	25,40	1,70
TUB-028L	0,312	31,75	31,75	1,20

N° PERFIL	PESO LINEAR (KG/M)	A	B	e (espesura)
NI-1273	0,584	33,40	29,00	2,20
NI-737	0,436	34,00	30,84	1,58
NI-704	0,612	38,01	34,01	2,00
NI-501	0,316	38,10	36,10	1,00
TUB-675	0,489	38,10	34,94	1,58
TUB-070	0,943	38,10	31,75	3,17
TUB-069	0,452	38,10	35,20	1,45
NI-492	0,447	39,00	36,20	1,40
NI-172	0,491	40,00	37,00	1,50
NI-193	1,376	42,00	33,40	4,30
NI-024	1,471	44,00	33,40	5,30
TUB-081	0,576	44,45	41,29	1,58
NI-1327	0,919	48,30	43,60	2,35
NI-524	1,285	50,80	44,44	3,18
TUB-610	0,662	50,80	47,64	1,58
NI-709	0,536	50,80	48,26	1,27
TUB-222	0,830	50,80	46,80	2,00
NI-1262	1,592	50,80	42,80	4,00
NI-025	1,952	51,00	41,00	5,00
NI-1328	1,300	60,30	55,00	2,65
NI-174	1,036	63,00	59,00	2,00
NI-167	41,54	68,00	53,00	7,50
NI-166	4,154	69,00	53,00	8,00
NI-165	4,750	71,00	53,00	9,00
NI-333	5,677	74,00	53,00	10,50
NI-337	1,202	76,20	72,40	1,90
TUB-324	0,807	76,20	73,66	1,27
TUB-326	1,085	101,60	99,06	1,27
NI-175	2,288	110,00	105,00	2,50

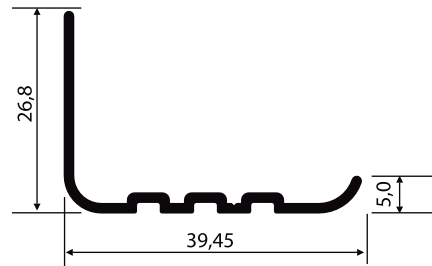


N° PERFIL	PESO LINEAR (KG/M)	A	B	e (espessura)
TUB-4536A	0,365	12,70	50,80	1,10
NI-664	0,195	12,70	25,40	1,00
TUB-4536	0,461	12,70	50,80	1,40
TUB-4501	0,275	12,70	25,40	1,40
NI-736	0,177	12,70	22,00	1,00
NI-1060	0,352	12,70	48,50	1,10
NI-1330	0,397	19,60	24,80	1,80
NI-839	1,095	25,00	80,00	2,00
NI-385	0,557	25,40	50,80	1,40
NI-663	0,333	25,40	38,10	1,00
TUB-4576	0,479	25,40	50,80	1,20
TUB-4563	0,439	25,40	50,80	1,10
TUB-4504	0,782	25,40	50,80	2,00
TUB-4560	0,625	25,40	50,80	1,58
TUB-4545	0,492	25,40	38,10	1,50
TUB-4543	0,649	38,10	60,30	1,25
NI-1623	0,590	19,70	66,70	1,30
TUB-4513L	0,698	38,10	50,80	1,50
TUB-4600	0,904	38,10	76,20	1,50
TUB-4600L	0,728	38,10	76,20	1,20
NI-384	1,135	50,80	101,60	1,40
TUB-4599	1,452	50,80	101,60	1,80
TUB-4599P	1,764	50,80	101,60	2,20
TUB-4559	2,580	50,80	152,40	2,40

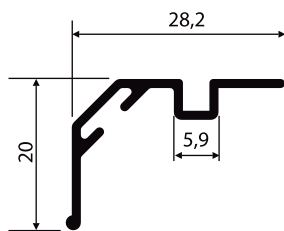
ARREMATES



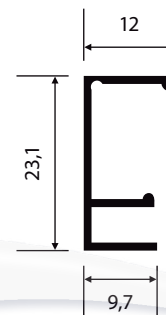
CM-130
0,161 Kg/m



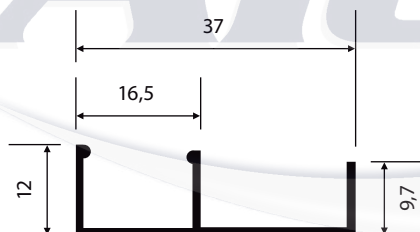
ME-013
0,271 Kg/m



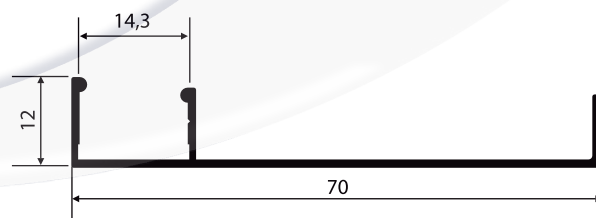
ME-056
0,197 Kg/m



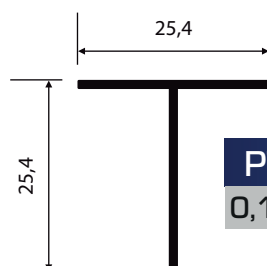
ME-092
0,173 Kg/m



MP-347
0,203 Kg/m



NI-944
0,301 Kg/m

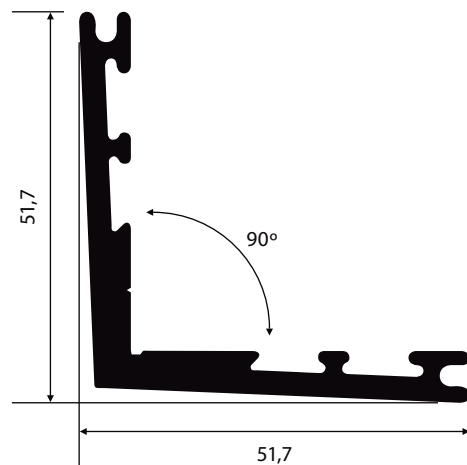


PT-008
0,161 Kg/m



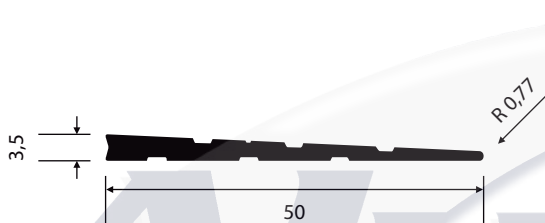
T-095
0,190 Kg/m

**CONTRA MARCO
MACHO E CUNHA**



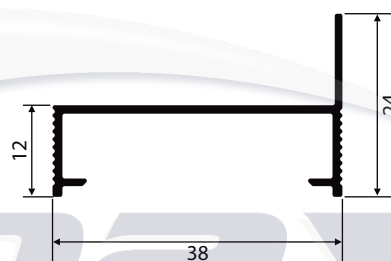
CL-006

1,112 Kg/m



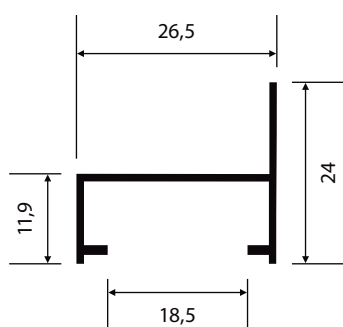
CL-011

0,319 Kg/m



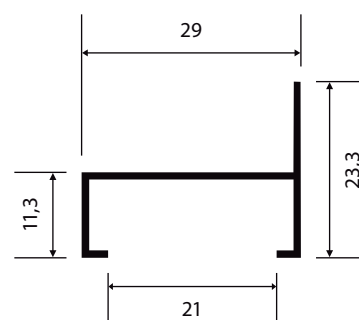
CM-060

0,230 Kg/m



CM-063

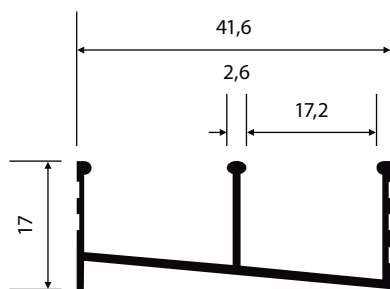
0,180 Kg/m



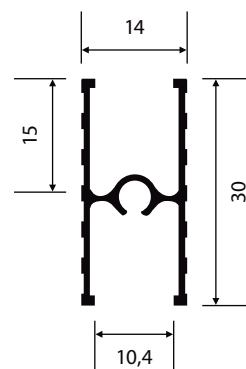
Y-120

0,250 Kg/m

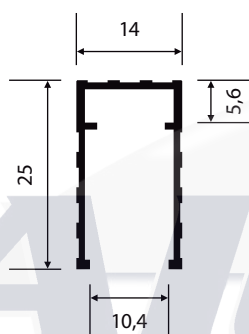
LINHA BOX



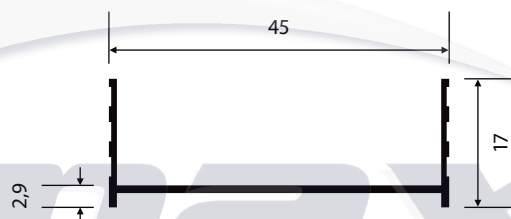
E-256
0,233 Kg/m



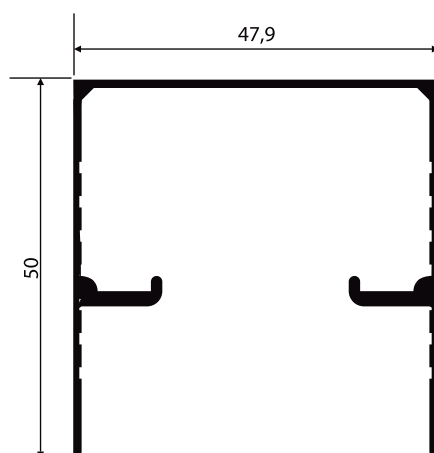
I-154
0,233 Kg/m



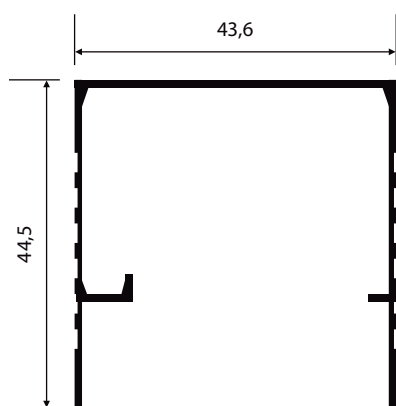
U-1002
0,188 Kg/m



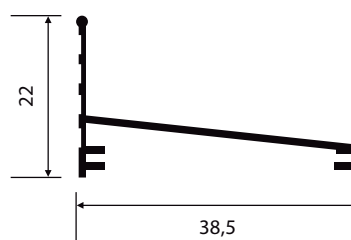
U-653
0,180 Kg/m



U-655
0,601 Kg/m



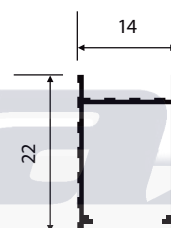
NI-150
0,421 Kg/m



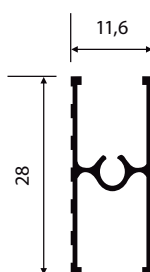
NI-151
0,251 Kg/m



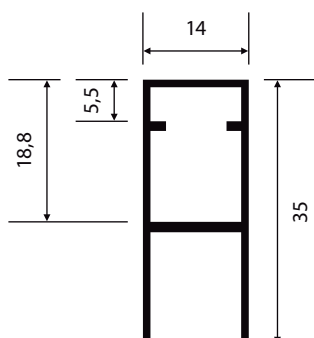
NI-152
0,179 Kg/m



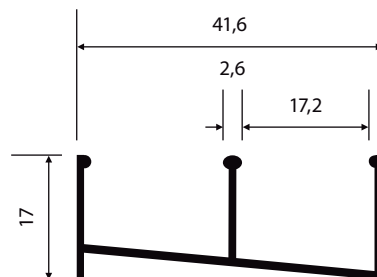
NI-153
0,154 Kg/m



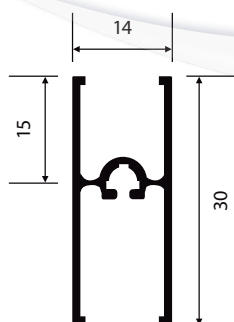
NI-154
0,210 Kg/m



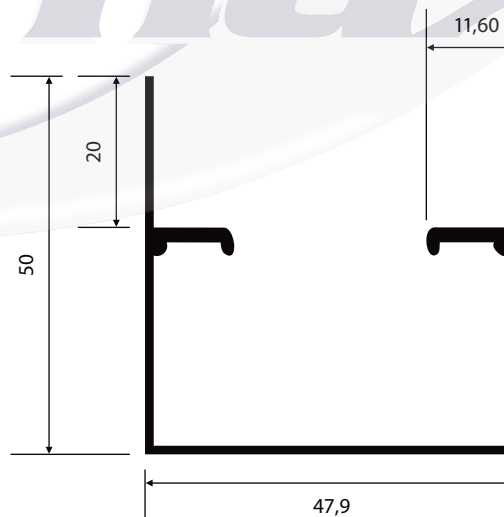
A-022
0,318 Kg/m



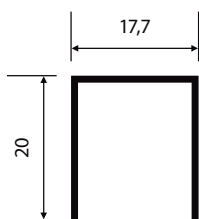
E-117
0,240 Kg/m



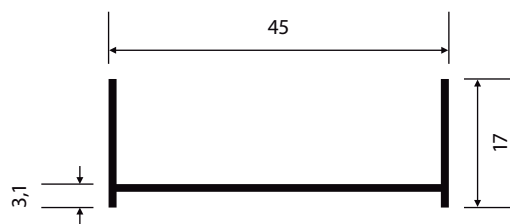
I-083
0,272 Kg/m



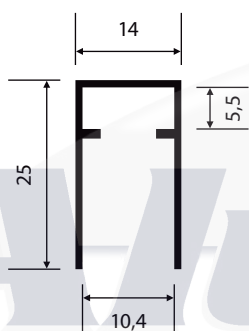
U-397
0,580 Kg/m



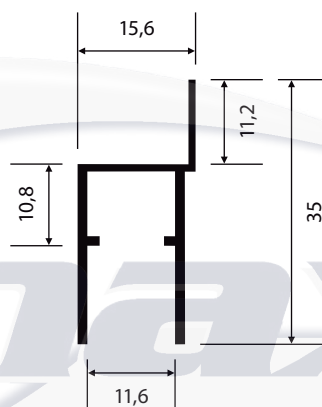
U-398
0,192 Kg/m



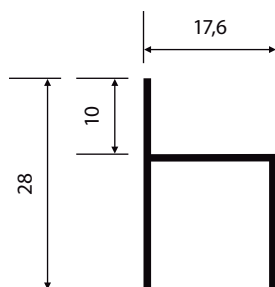
U-399
0,228 Kg/m



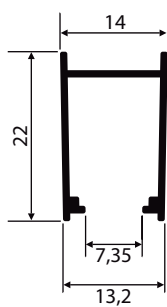
U-1056
0,183 Kg/m



Y-106
0,245 Kg/m

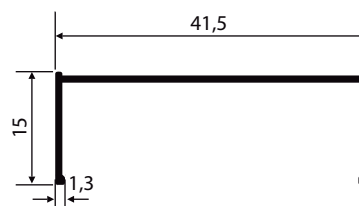


Y-107
0,175 Kg/m



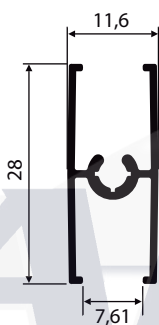
NI-649

0,162 Kg/m



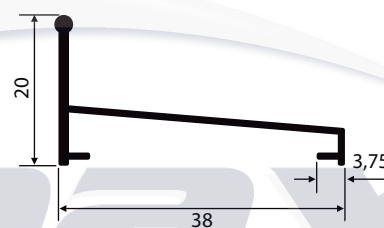
NI-650

0,181 Kg/m



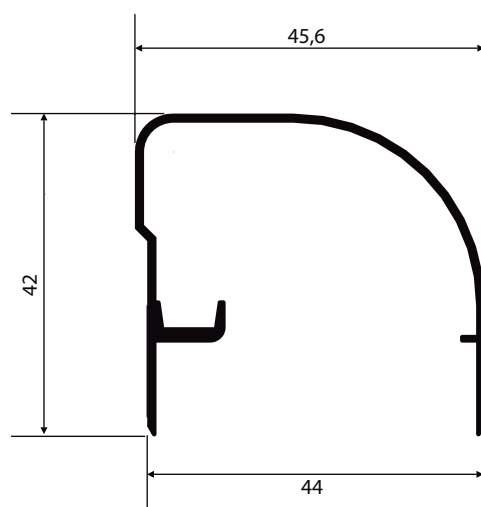
NI-651

0,211 Kg/m



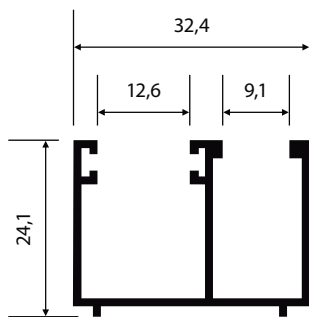
NI-652

0,198 Kg/m

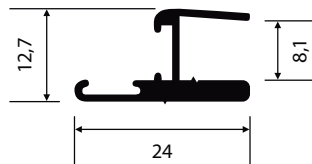


NI-653

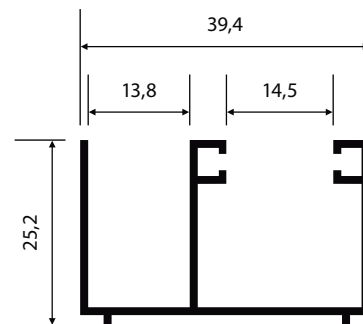
0,443 Kg/m



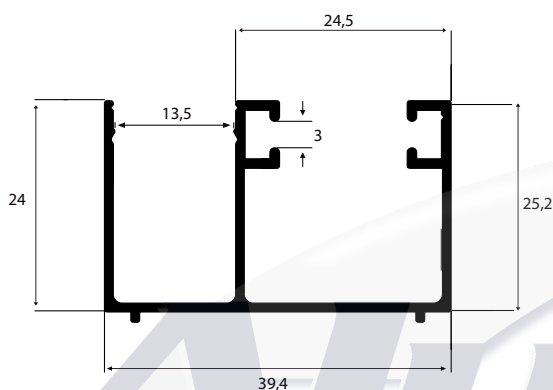
BX-070
0,418 Kg/m



CB-266
0,223 Kg/m



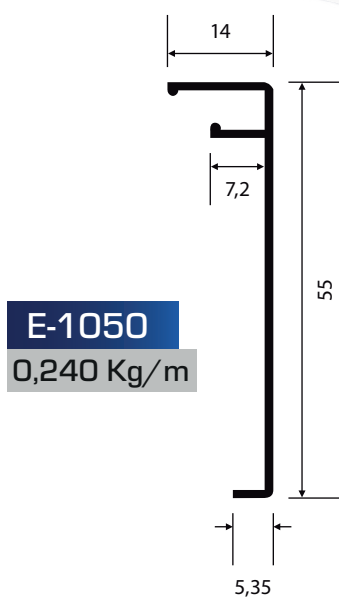
E-306
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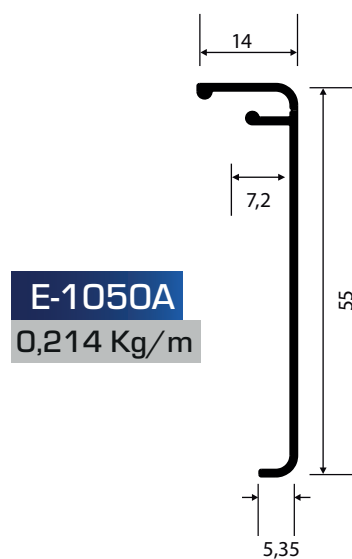
E-306A
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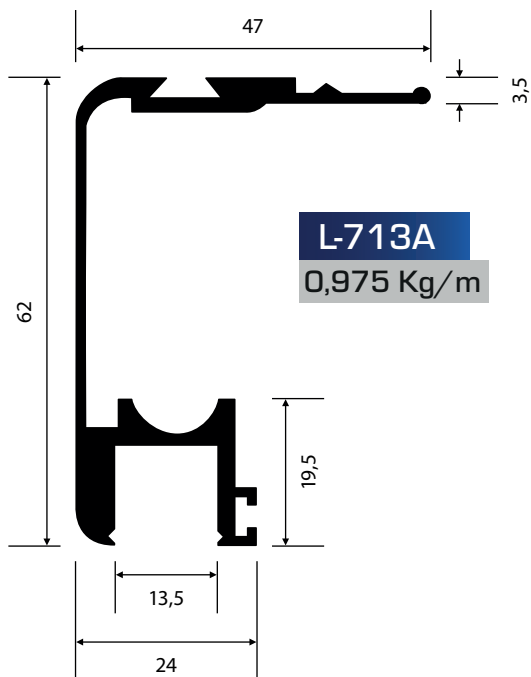
E-1052
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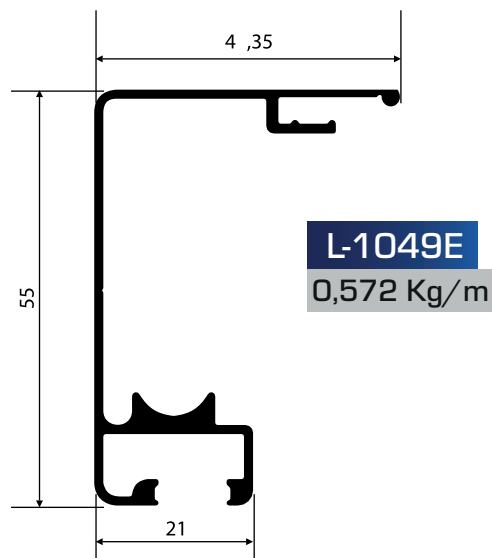
E-1050
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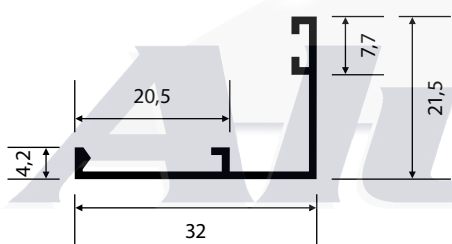
E-1050A
0,214 Kg/m



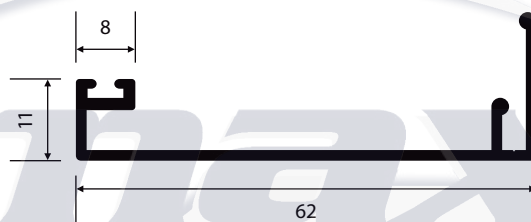
L-713A
0,975 Kg/m



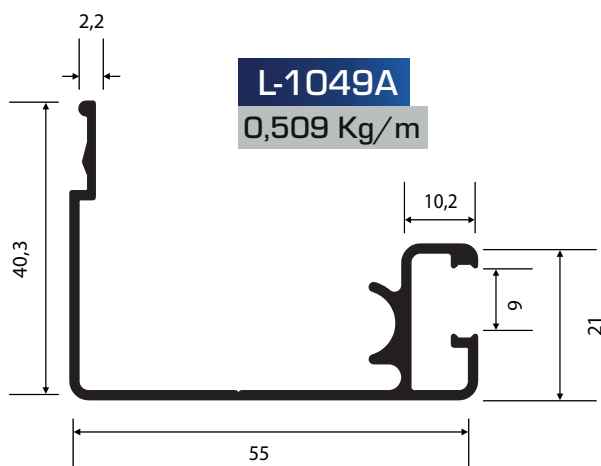
L-1049E
0,572 Kg/m



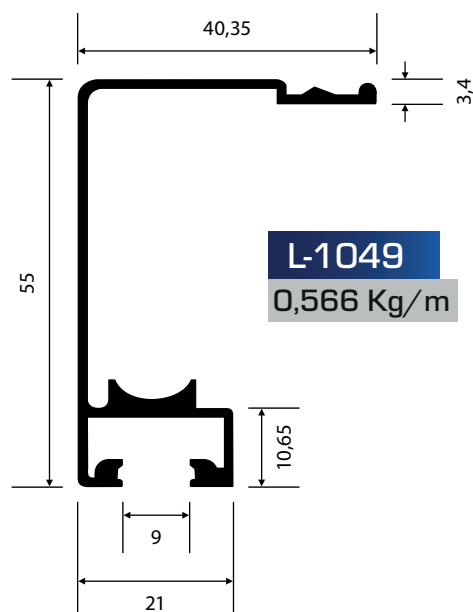
L-1026
0,227 Kg/m



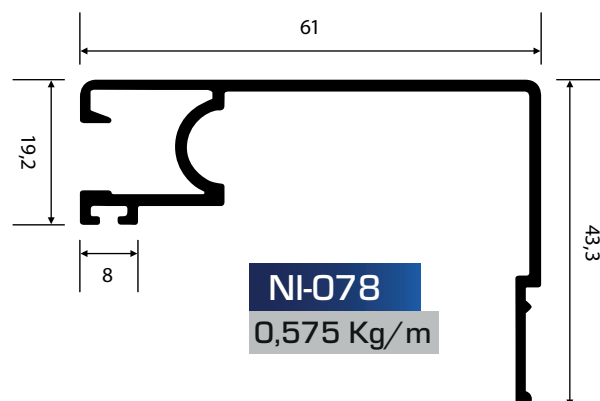
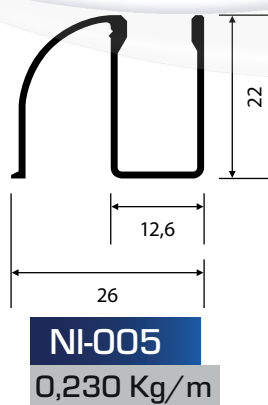
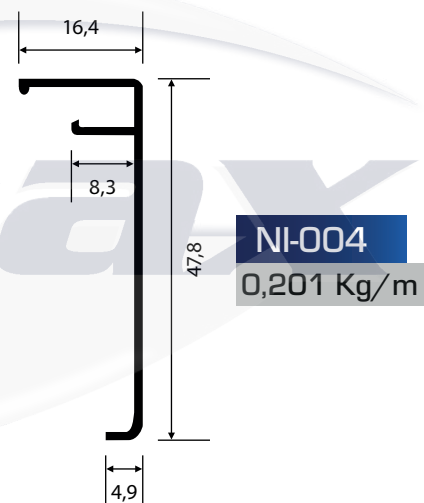
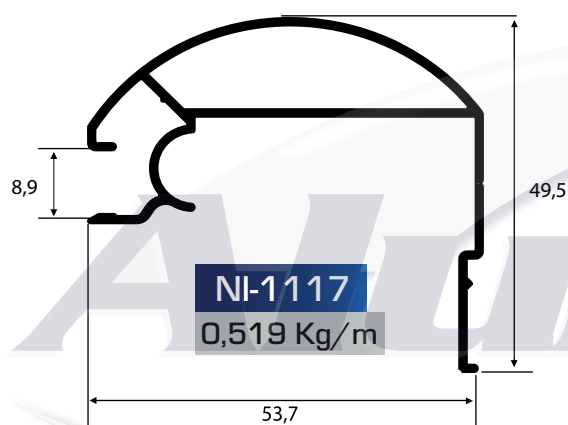
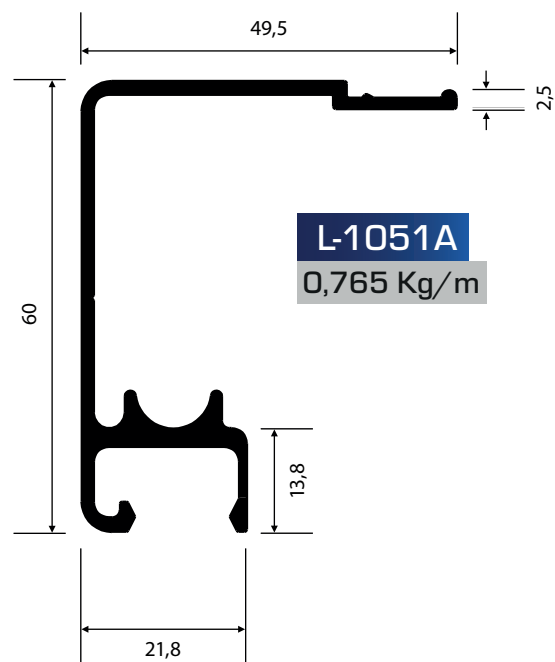
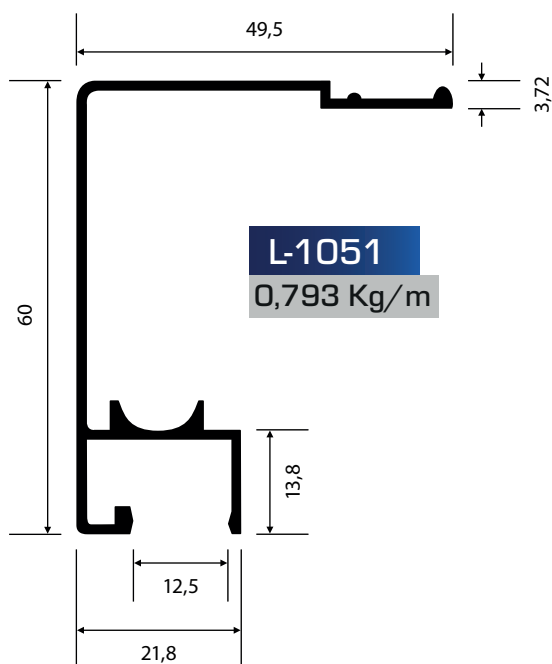
NI-117
0,327 Kg/m

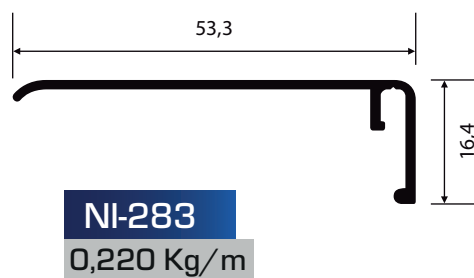
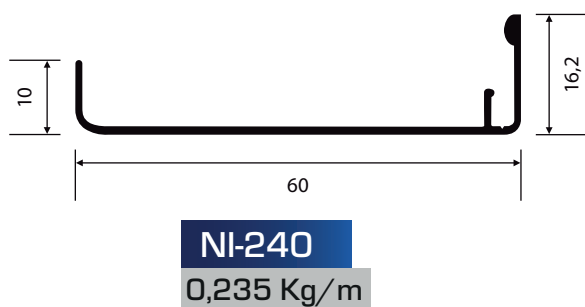
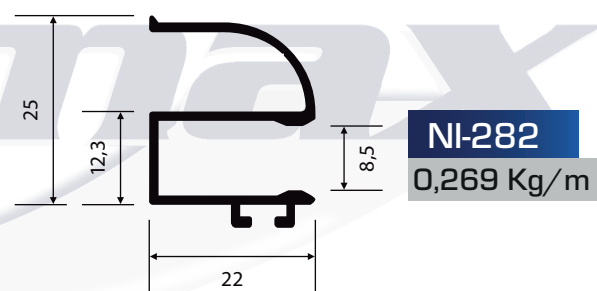
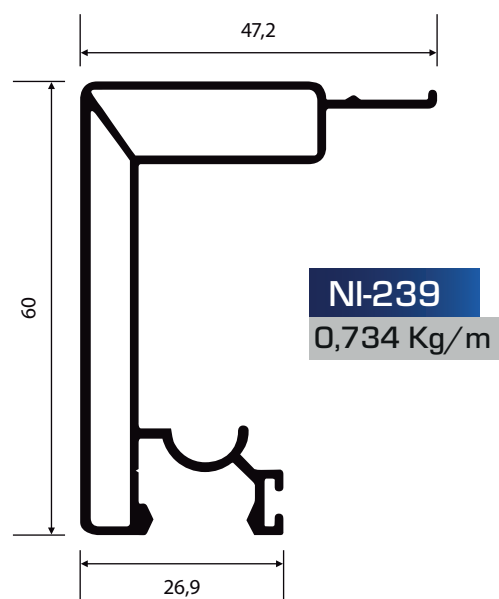
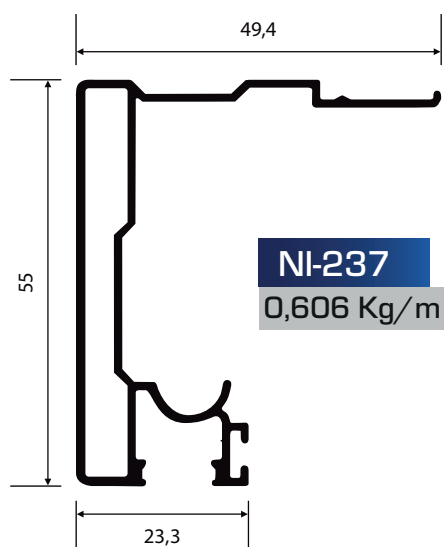


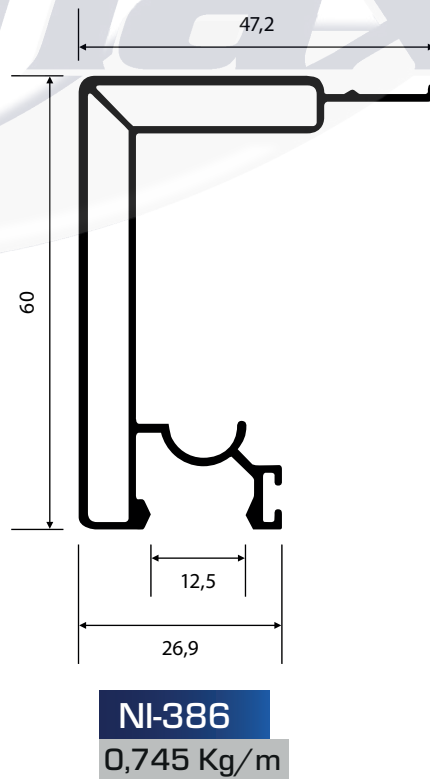
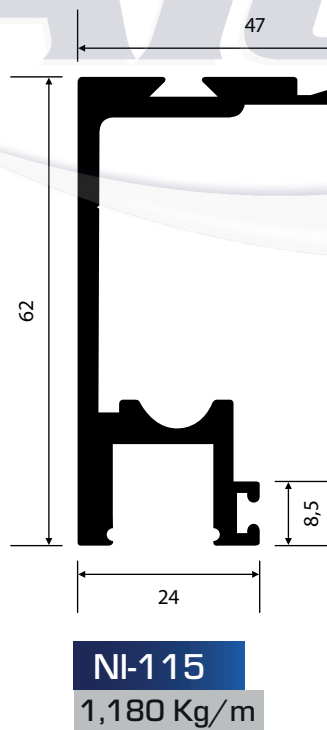
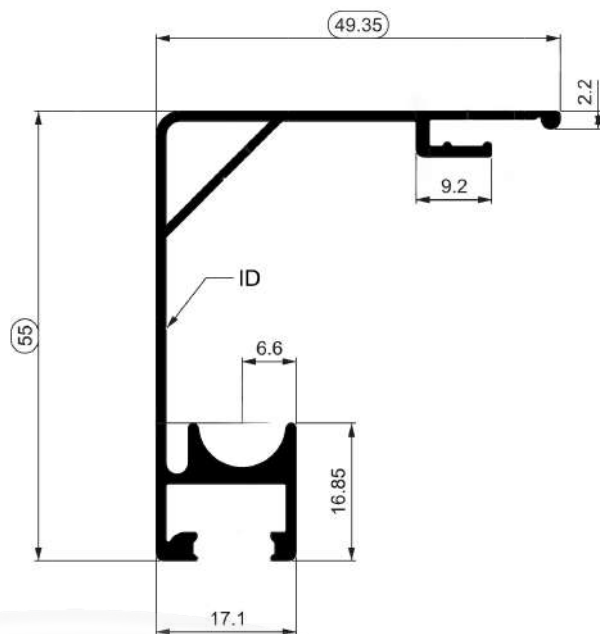
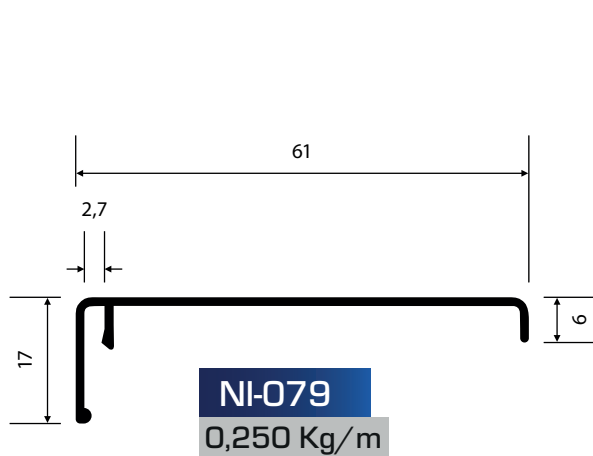
L-1049A
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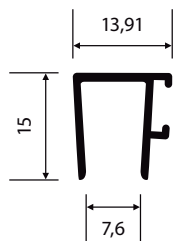


L-1049
0,566 Kg/m

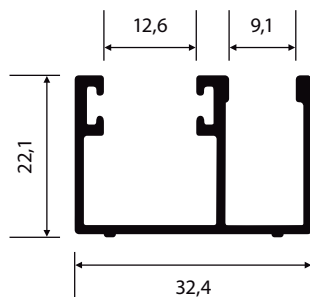




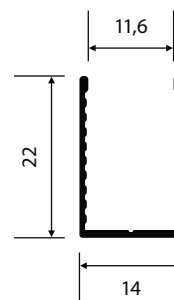




NI-119
0,134 Kg/m



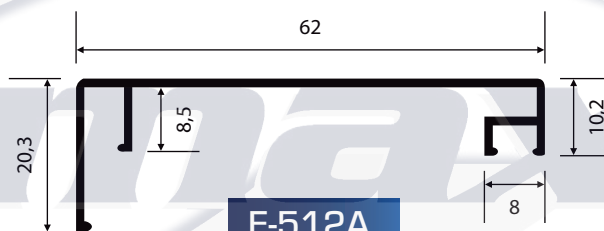
NI-120
0,357 Kg/m



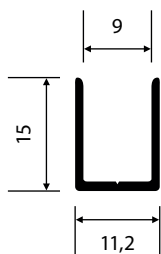
NI-121
0,135 Kg/m



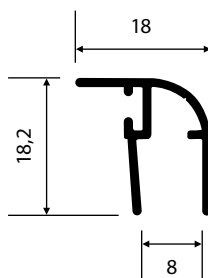
E-1050E
0,238 Kg/m



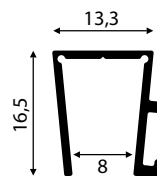
E-512A
0,427 Kg/m



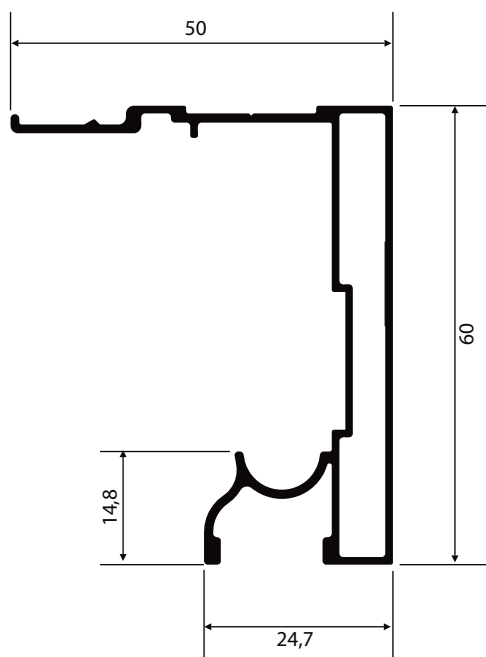
NI-372
0,115 Kg/m



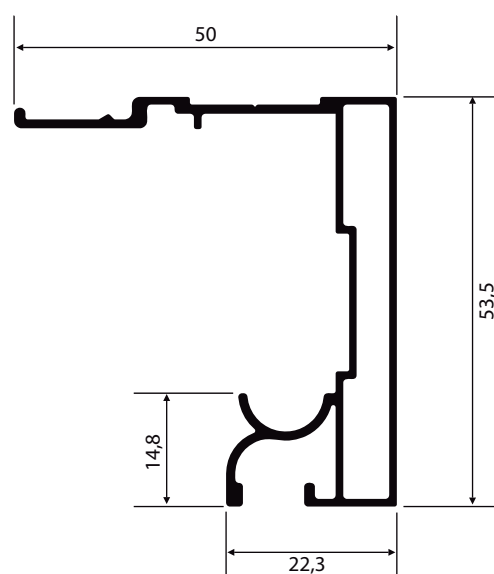
NI-387
0,153 Kg/m



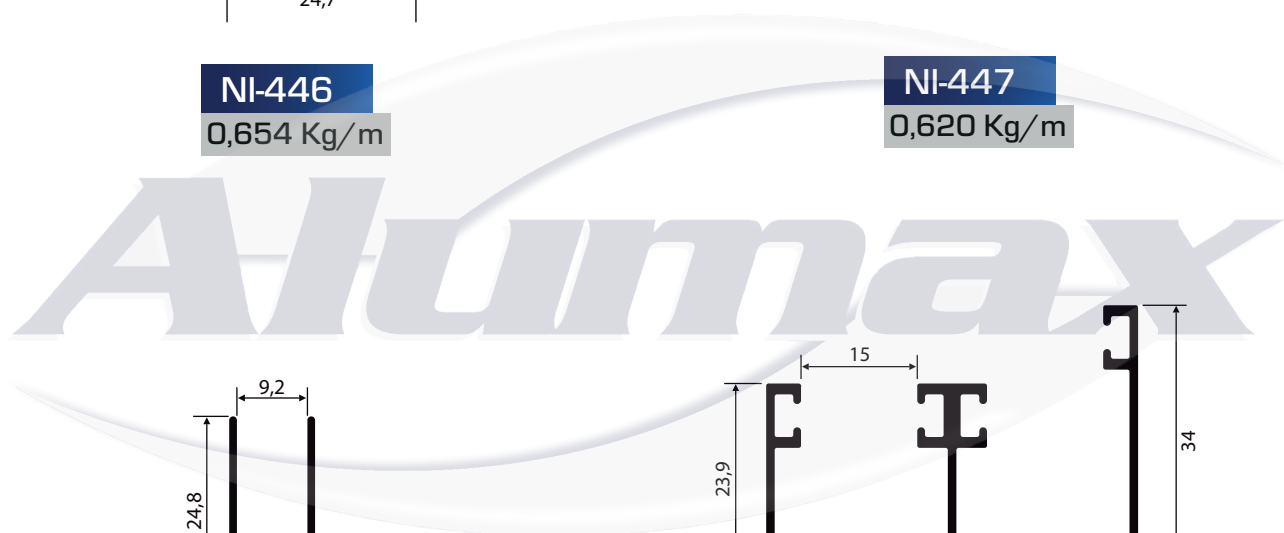
NI-383
0,153 Kg/m



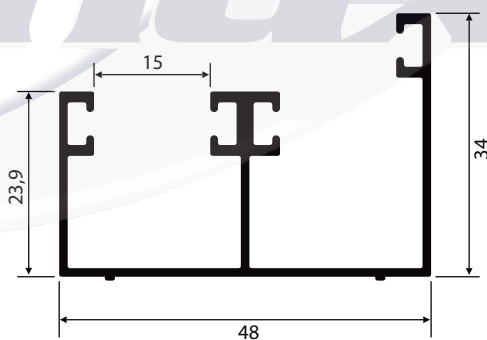
NI-446
0,654 Kg/m



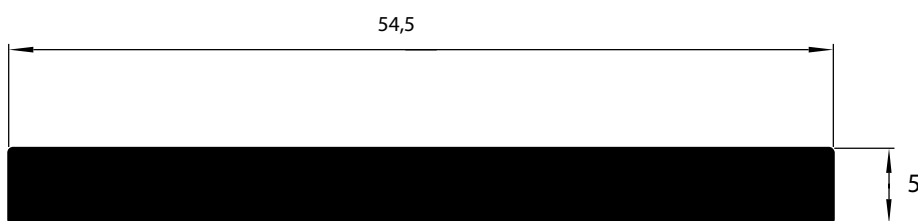
NI-447
0,620 Kg/m



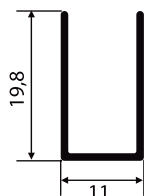
NI-493
0,159 Kg/m



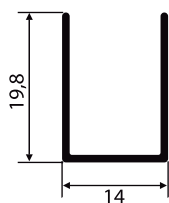
NI-543
0,534 Kg/m



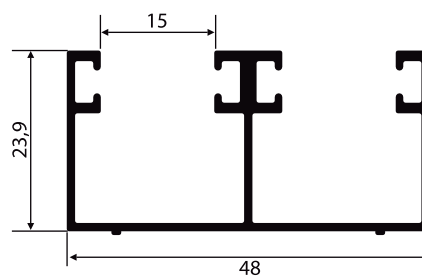
NI-2257
0,738 Kg/m



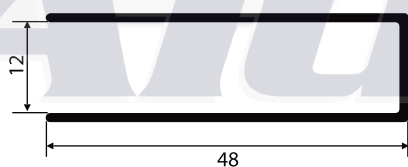
NI-716
0,130 Kg/m



NI-717
0,139 Kg/m



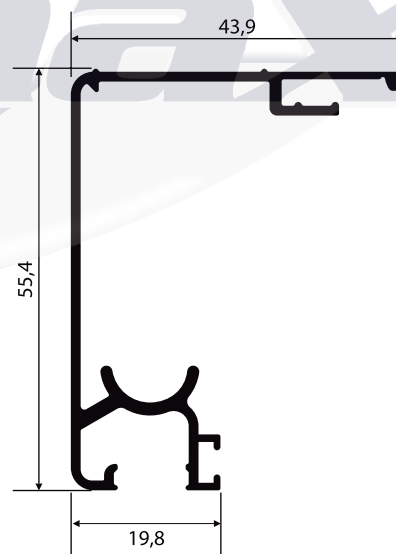
NI-833
0,503 Kg/m



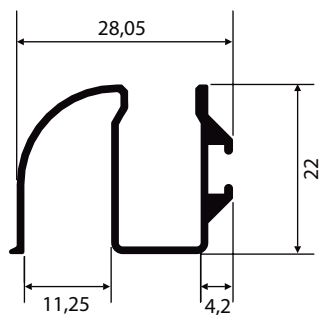
NI-841
0,350 Kg/m



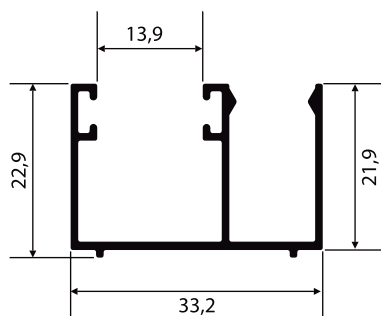
NI-1088
0,222 Kg/m



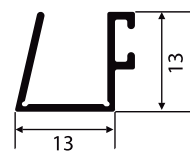
NI-939
0,579 Kg/m



NI-611
0,281 Kg/m



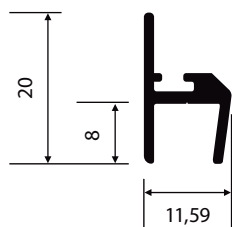
NI-714
0,322 Kg/m



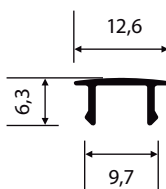
NI-715
0,119 Kg/m



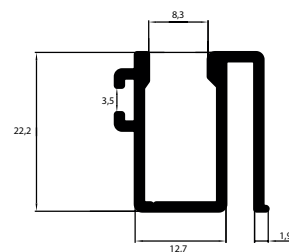
NI-2256
0,651 Kg/m



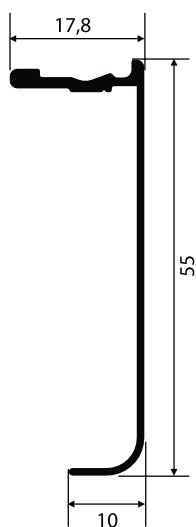
NI-388
0,163 Kg/m



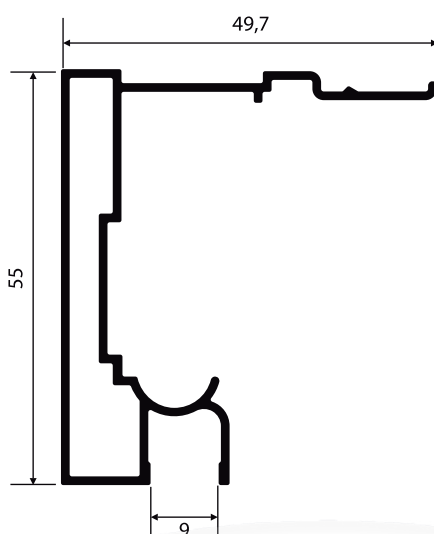
NI-397
0,052 Kg/m



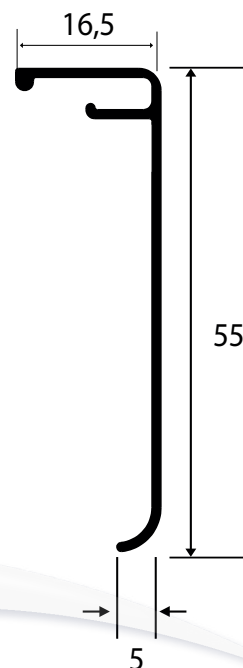
NI-2180
0,310 Kg/m



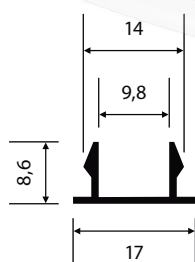
NI-940
0,235 Kg/m



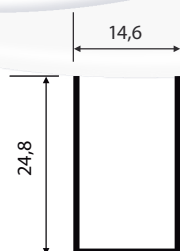
NI-952
0,638 Kg/m



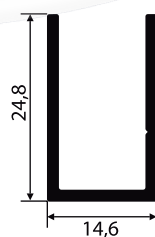
NI-953
0,220 Kg/m



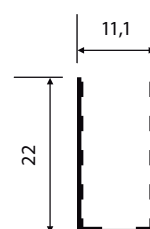
U-491
0,103 Kg/m



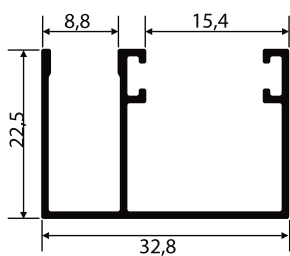
U-555A
0,168 Kg/m



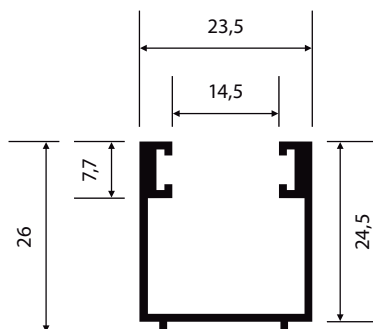
U-555M
0,260 Kg/m



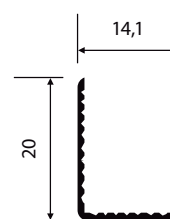
U-556
0,142 Kg/m



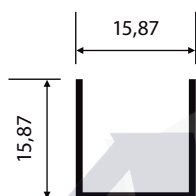
NI-1089
0,307 Kg/m



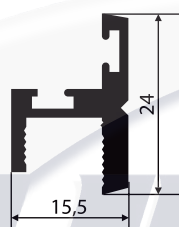
U-1108
0,300 Kg/m



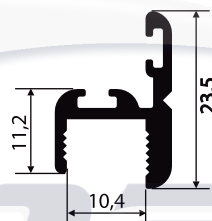
U-1109
0,163 Kg/m



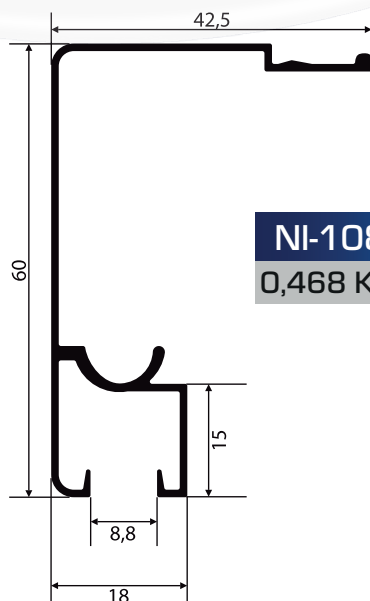
U-2020
0,158 Kg/m



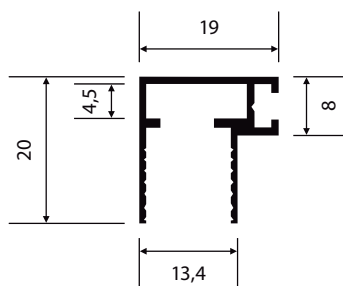
Y-343
0,314 Kg/m



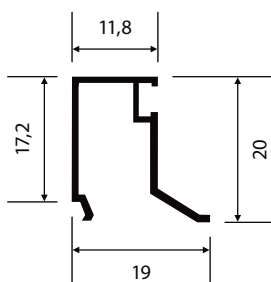
Y-343A
0,279 Kg/m



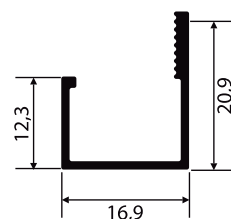
NI-1087
0,468 Kg/m



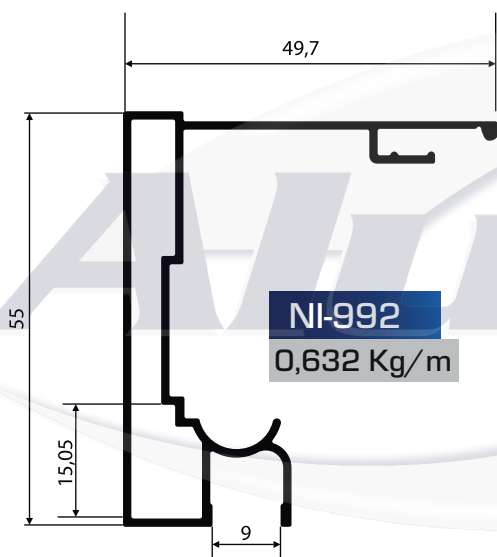
U-1014
0,226 Kg/m



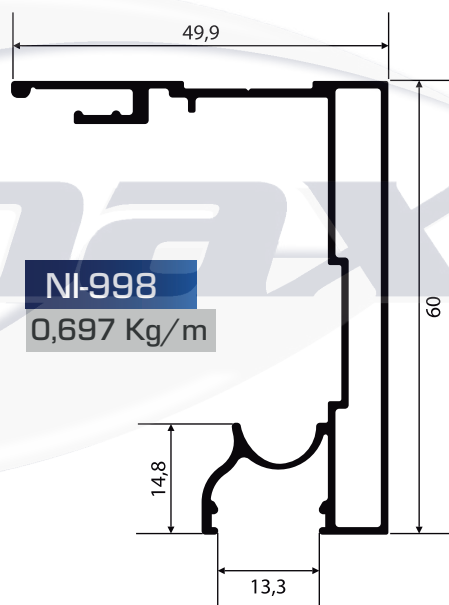
U-1027
0,162 Kg/m



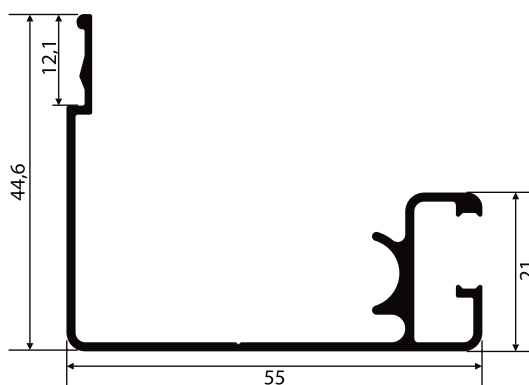
NI-1105
0,165 Kg/m



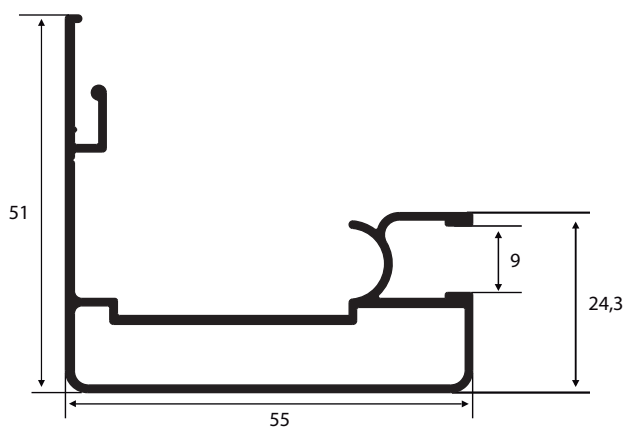
NI-992
0,632 Kg/m



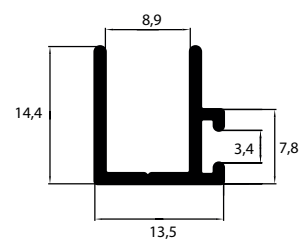
NI-998
0,697 Kg/m



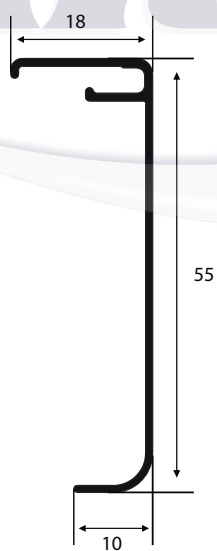
NI-1122
0,524 Kg/m



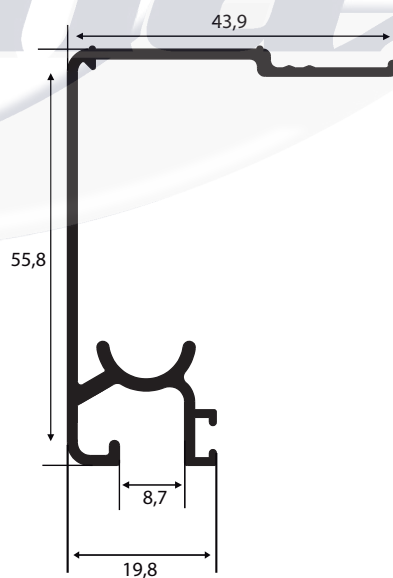
NI-1369
0,651 Kg/m



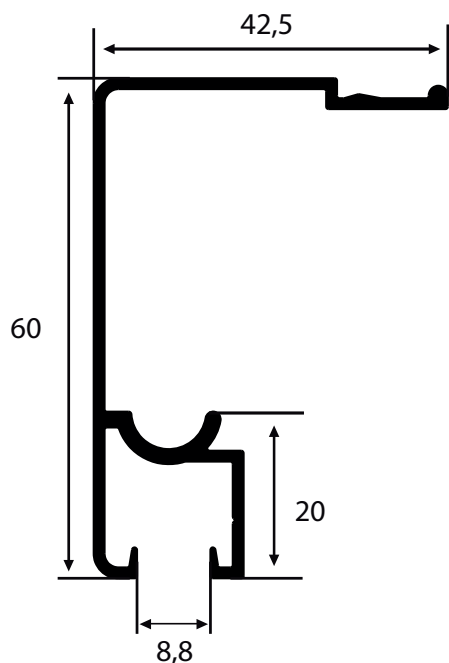
NI-2255
0,130 Kg/m



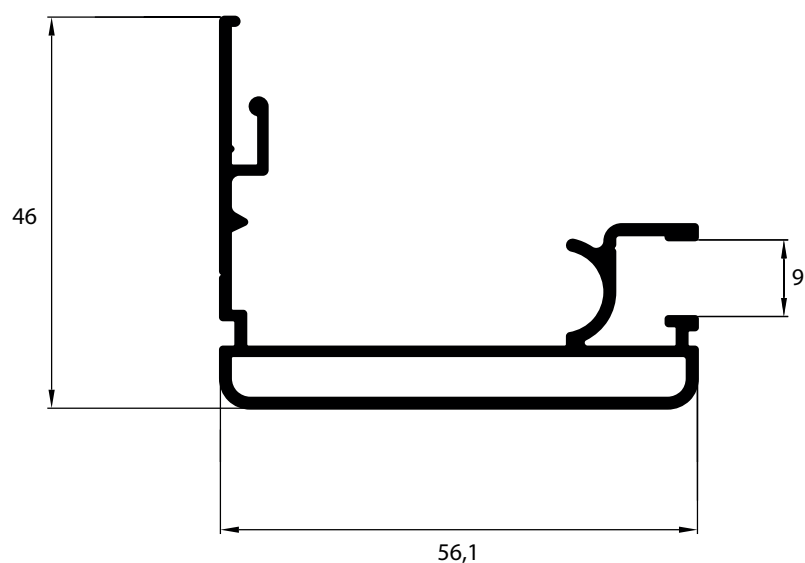
BX-157
0,220 Kg/m



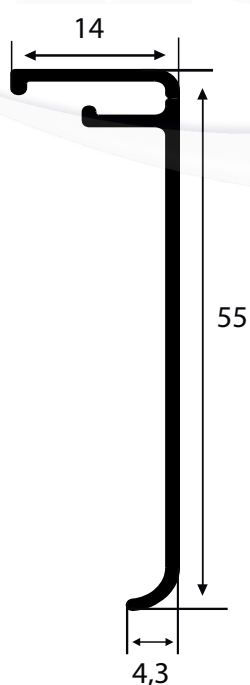
BX-148
0,545 Kg/m



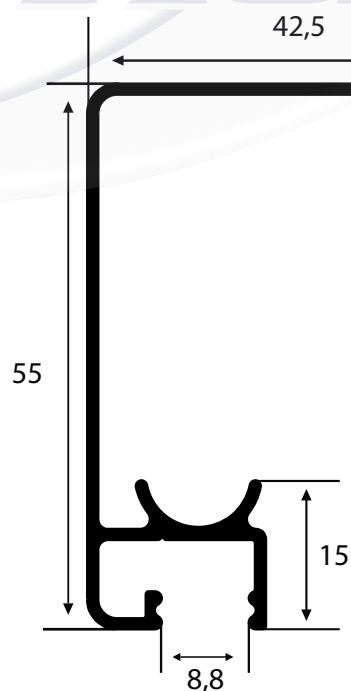
NI-2169
0,561 Kg/m



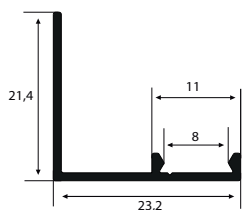
NI-2181
0,669 Kg/m



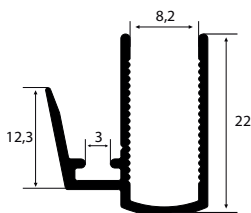
NI-2090
0,213 Kg/m



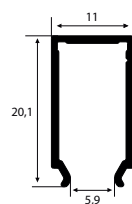
NI-2089
0,451 Kg/m



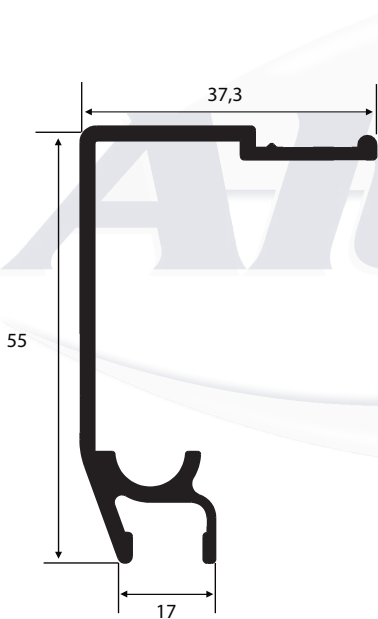
NI-1662
0,134 Kg/m



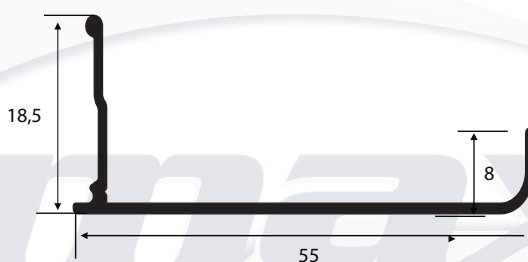
NI-2156
0,202 Kg/m



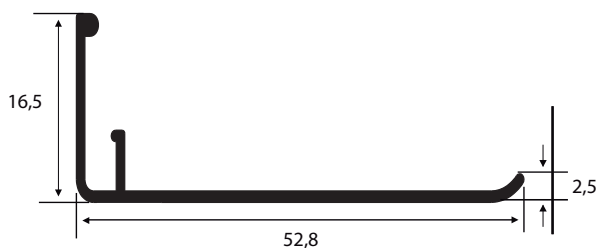
NI-1663
0,134 Kg/m



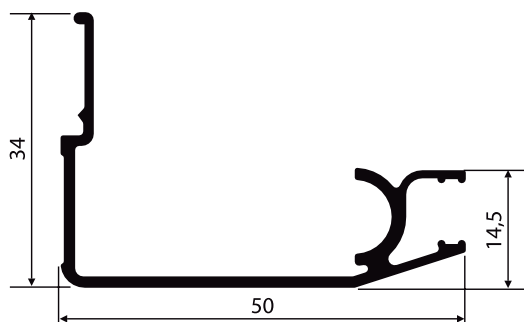
NI-802
0,587 Kg/m



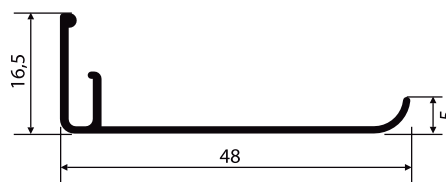
NI-1370
0,218 Kg/m



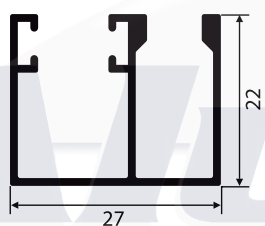
NI-801
0,207 Kg/m



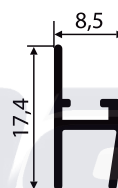
NI-891
0,430 Kg/m



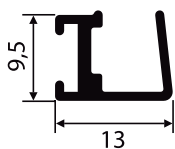
NI-892
0,214 Kg/m



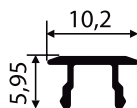
NI-893
0,316 Kg/m



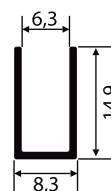
NI-894
0,108 Kg/m



NI-895
0,118 Kg/m

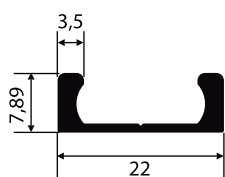


NI-896
0,049 Kg/m

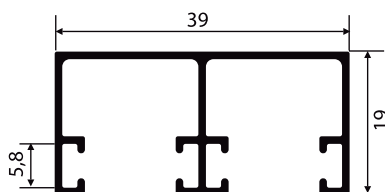


NI-1054
0,098 Kg/m

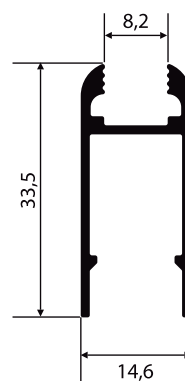
KIT PIA



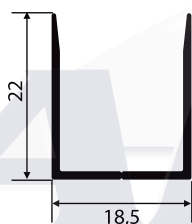
NI-969
0,176 Kg/m



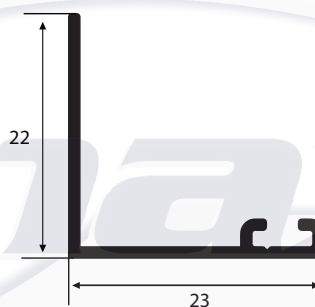
NI-971
0,344 Kg/m



NI-970
0,305 Kg/m



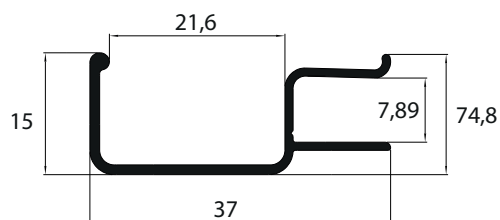
NI-964
0,172 Kg/m



NI-1315
0,137 Kg/m

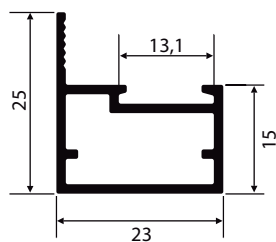


NI-2097
0,258 Kg/m

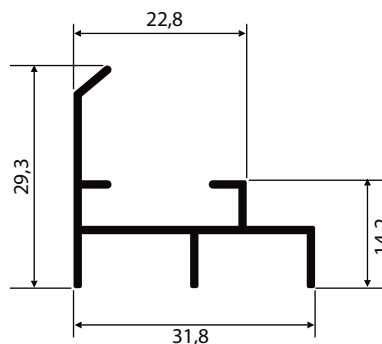


NI-2096
0,221 Kg/m

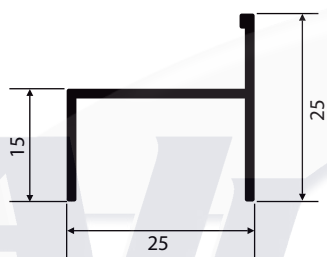
LINHA 23



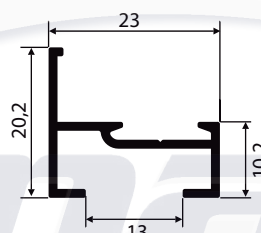
NI-559
0,312 Kg/m



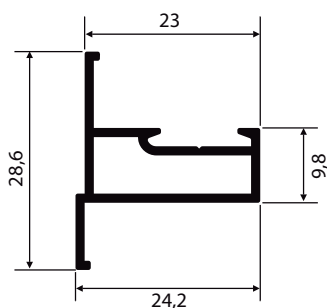
NI-624
0,266 Kg/m



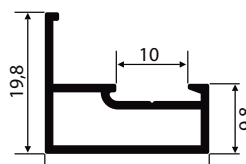
NI-625
0,223 Kg/m



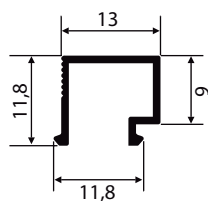
NI-626
0,208 Kg/m



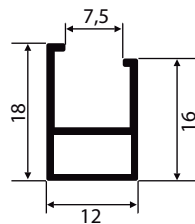
NI-627
0,282 Kg/m



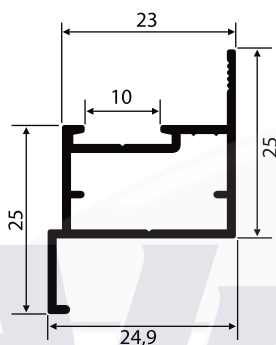
NI-628
0,245 Kg/m



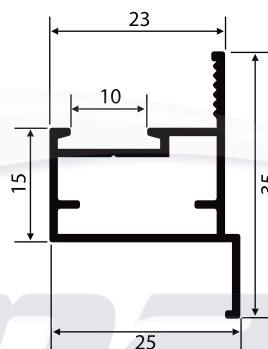
NI-629
0,106 Kg/m



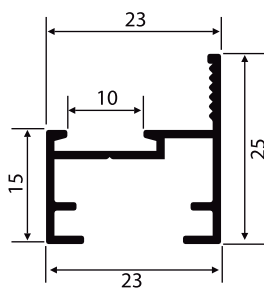
NI-630
0,155 Kg/m



NI-757
0,334 Kg/m

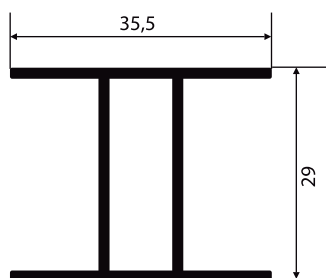


NI-759
0,326 Kg/m

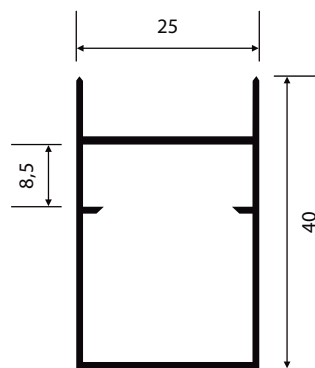


NI-760
0,249 Kg/m

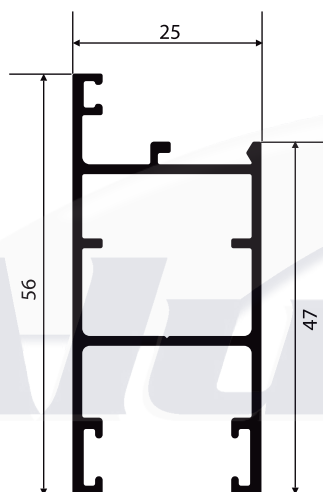
LINHA 25



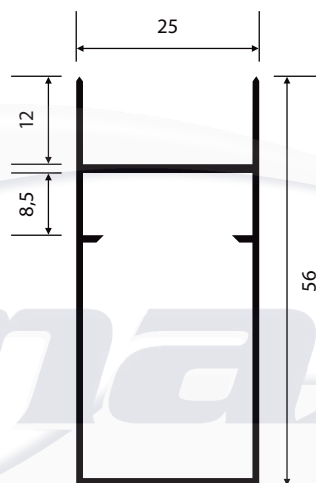
A-034
0,499 Kg/m



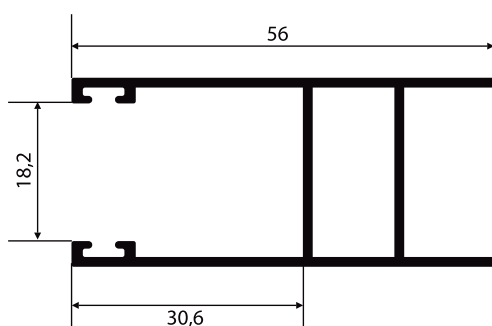
A-055
0,434 Kg/m



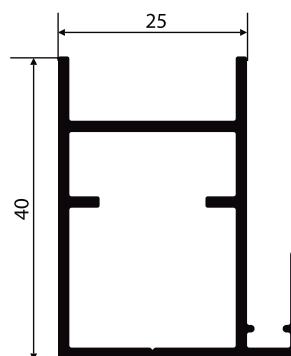
A-048
0,645 Kg/m



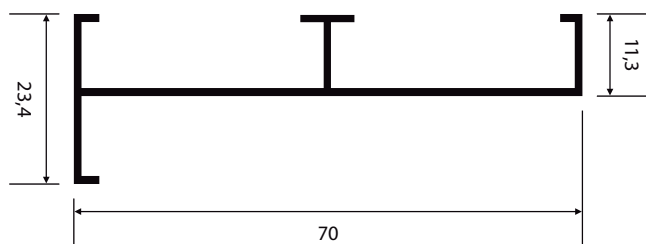
A-194
0,571 Kg/m



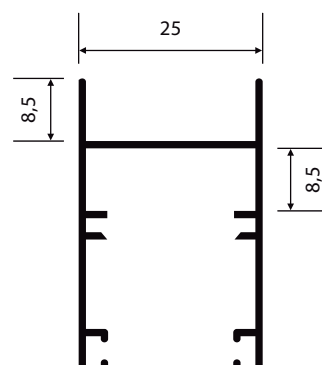
A-195
0,599 Kg/m



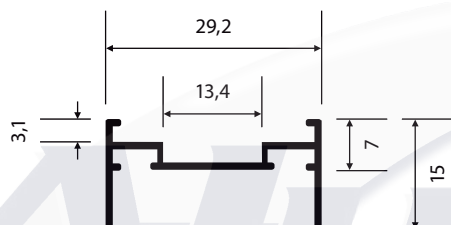
A-202E
0,611 Kg/m



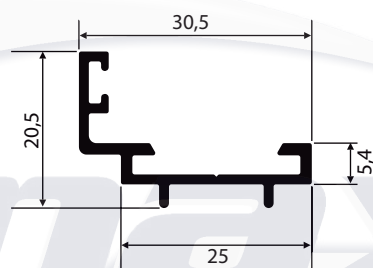
E-277
0,462 Kg/m



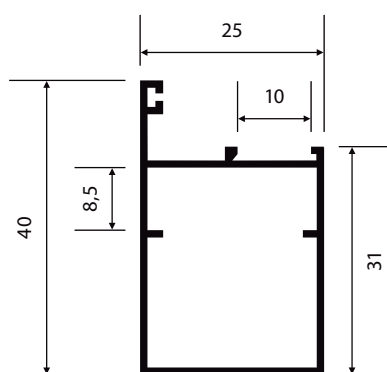
I-122
0,464 Kg/m



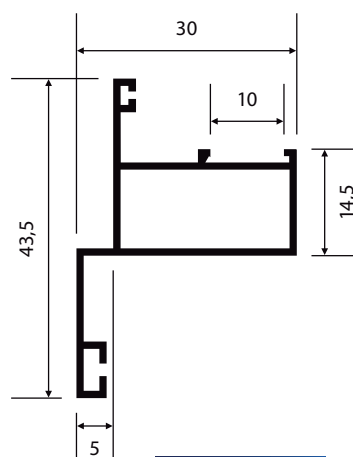
I-105
0,220 Kg/m



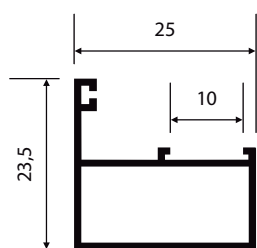
L-715
0,255 Kg/m



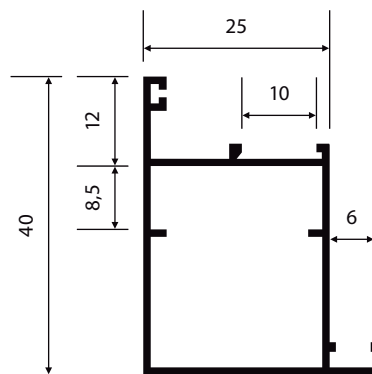
P-140
0,436 Kg/m



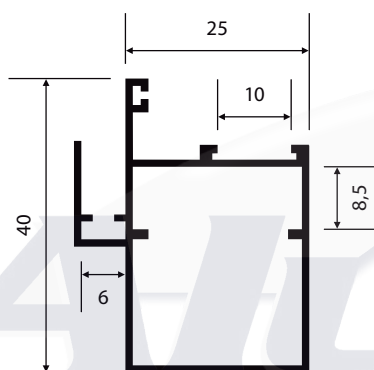
P-146
0,466 Kg/m



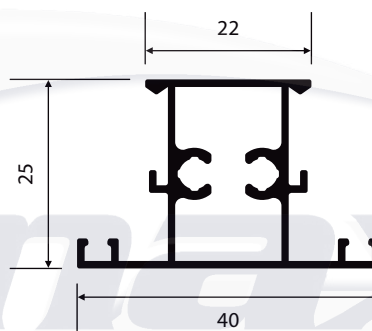
P-147
0,351 Kg/m



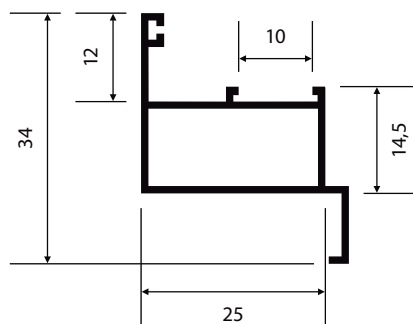
P-151
0,496 Kg/m



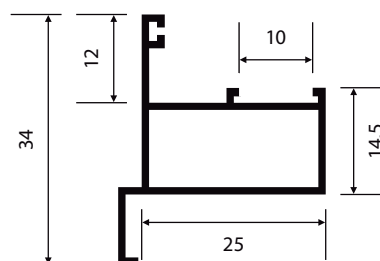
P-152
0,523 Kg/m



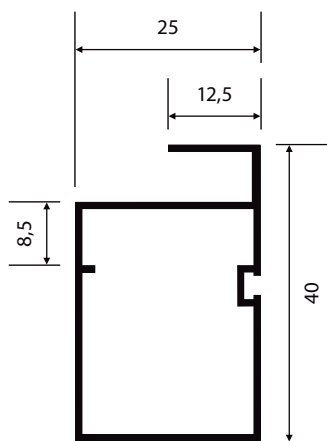
P-153
0,455 Kg/m



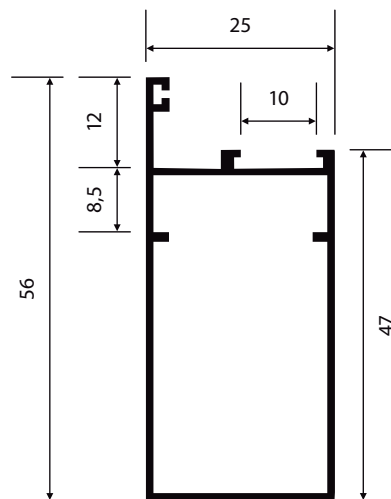
P-166
0,406 Kg/m



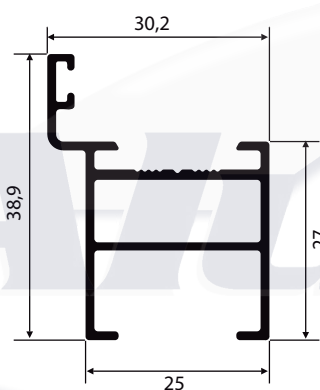
P-167
0,406 Kg/m



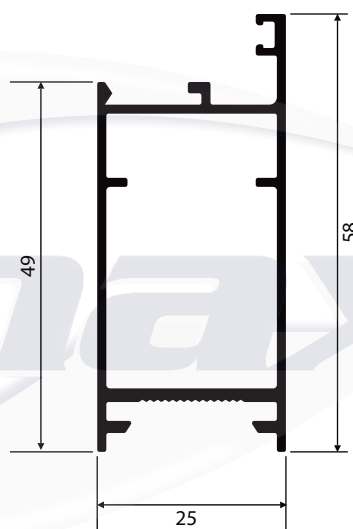
P-227
0,492 Kg/m



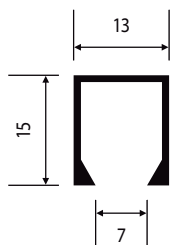
P-318
0,553 Kg/m



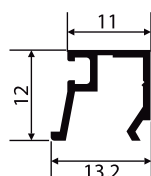
P-412A
0,439 Kg/m



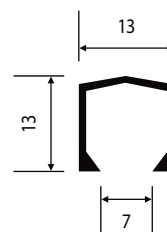
P-414
0,611 Kg/m



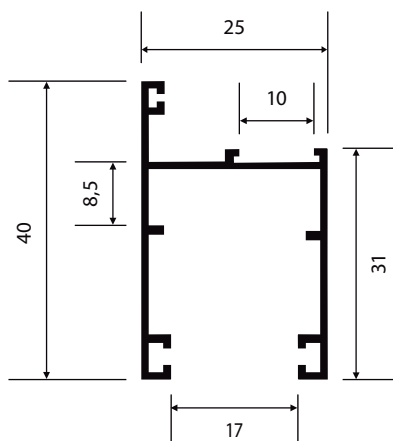
U-425
0,155 Kg/m



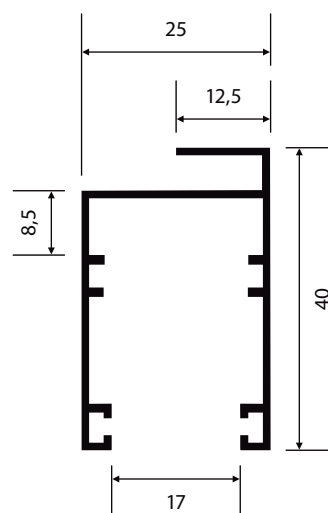
U-522
0,107 Kg/m



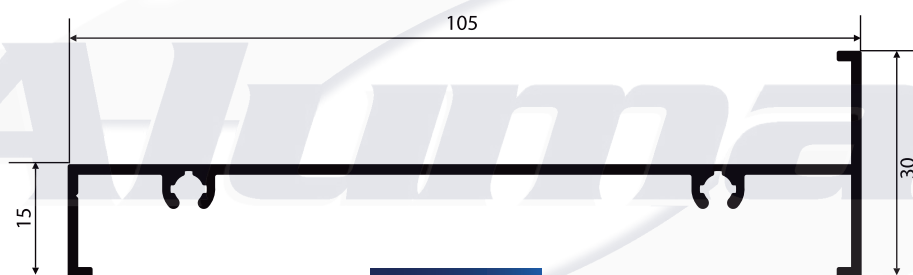
U-681
0,126 Kg/m



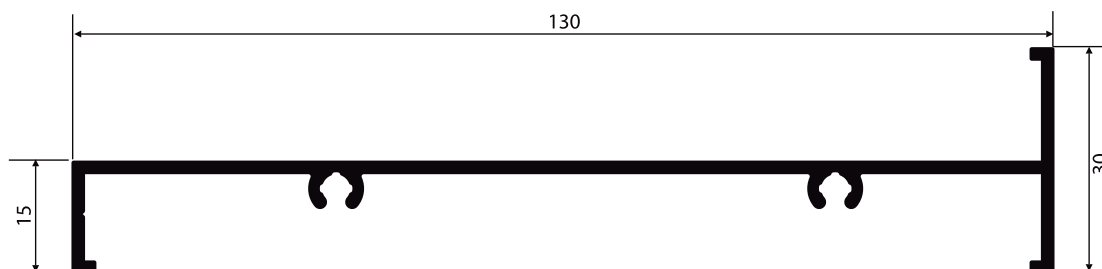
Y-195
0,432 Kg/m



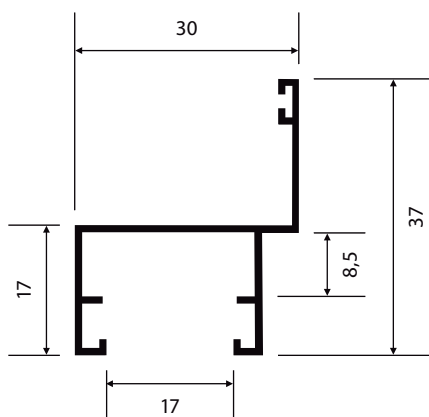
Y-312
0,475 Kg/m



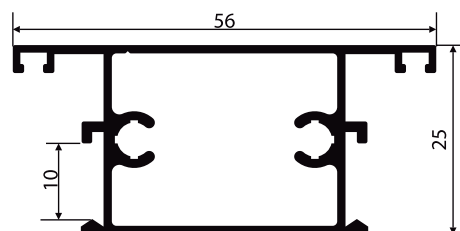
Y-260
0,658 Kg/m



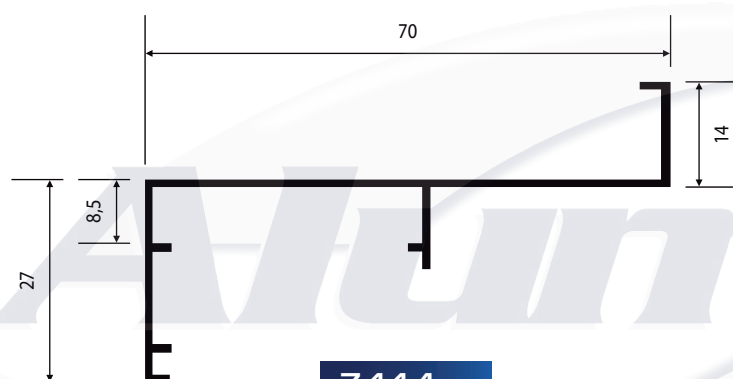
Y-350
0,950 Kg/m



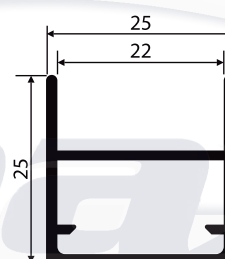
Y-630
0,334 Kg/m



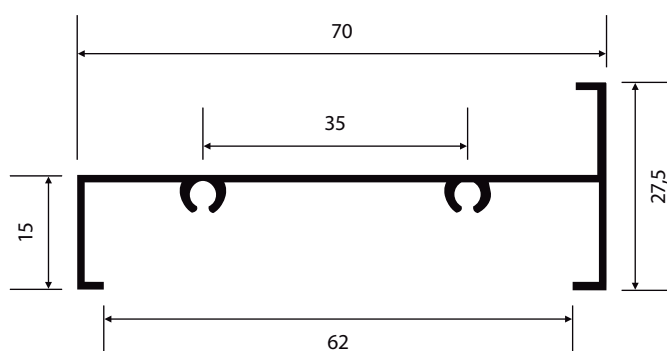
P-319
0,603 Kg/m



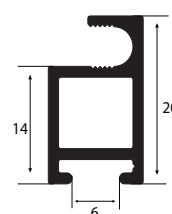
Z-114
0,519 Kg/m



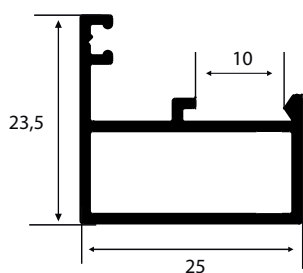
A-056
0,373 Kg/m



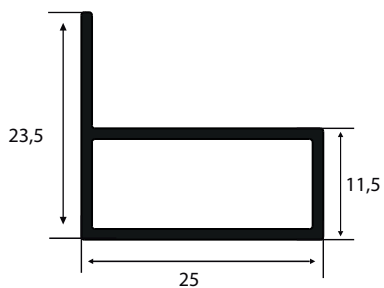
Z-175
0,533 Kg/m



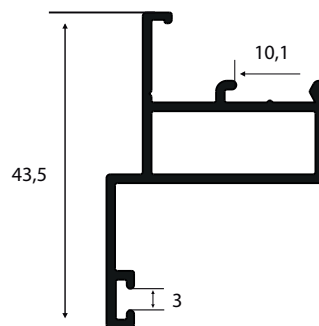
A-058
0,220 Kg/m



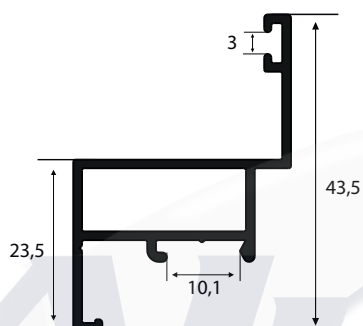
P-147L
0,280 Kg/m



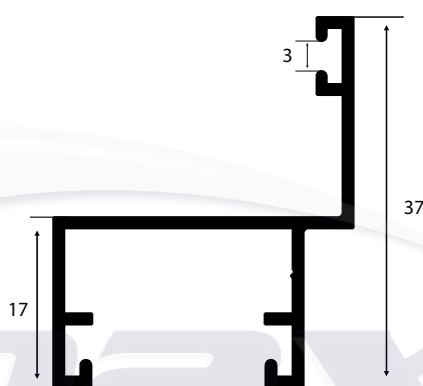
NI-1091
0,240 Kg/m



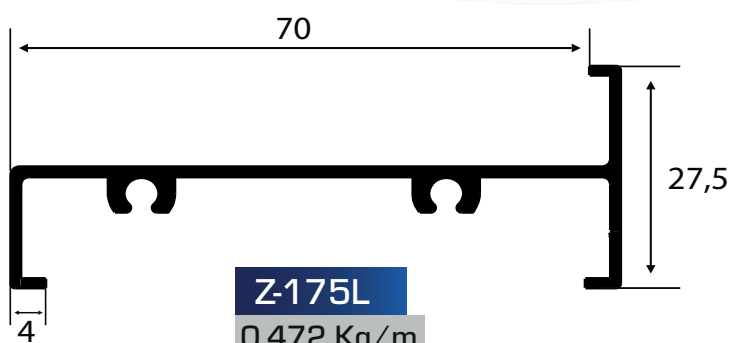
P-146L
0,400 Kg/m



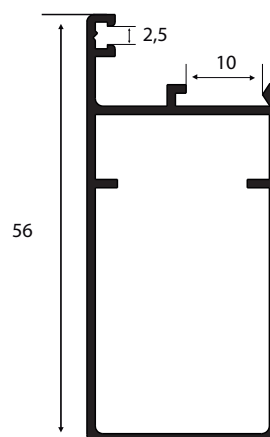
P-145L
0,398 Kg/m



Y-630L
0,308 Kg/m

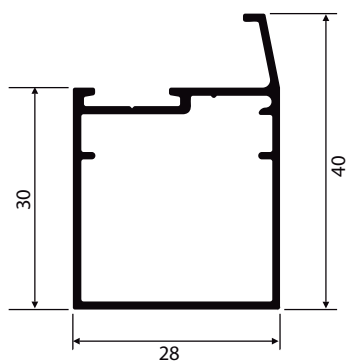


Z-175L
0,472 Kg/m

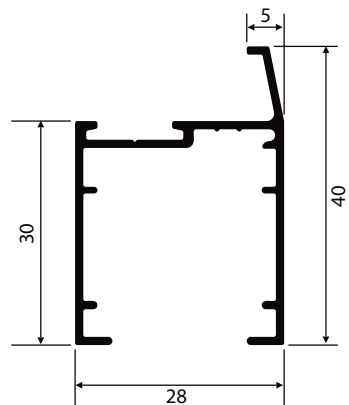


P-318L
0,492 Kg/m

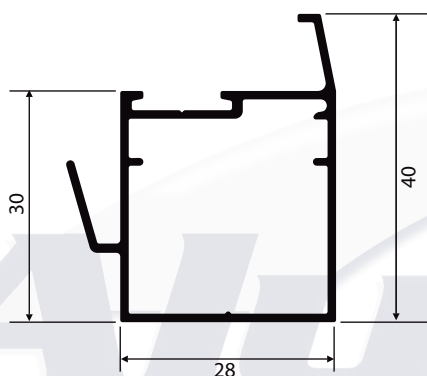
LINHA 28



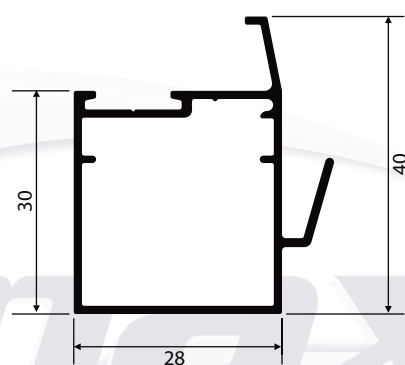
NI-560
0,406 Kg/m



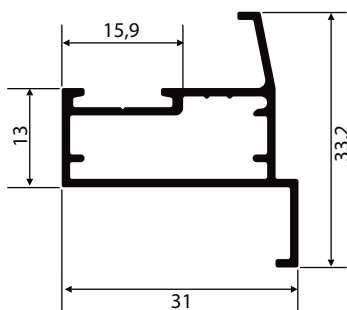
NI-561
0,362 Kg/m



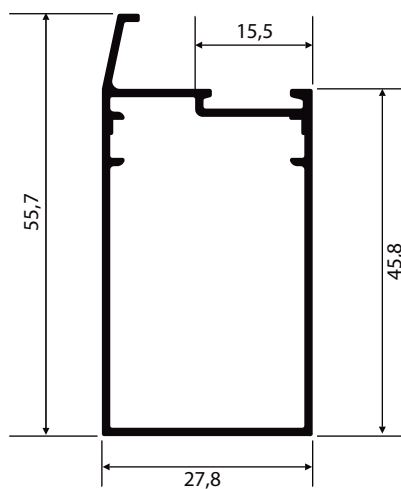
NI-562
0,453 Kg/m



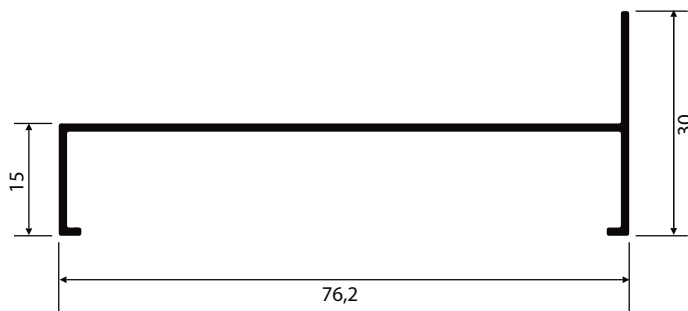
NI-563
0,455 Kg/m



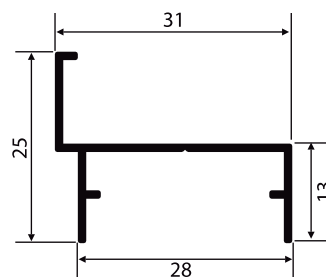
NI-564
0,351 Kg/m



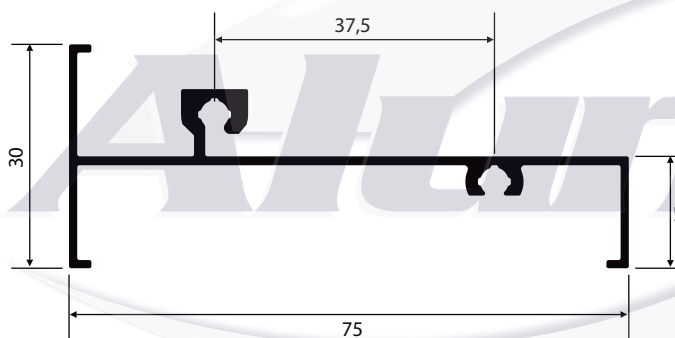
NI-565
0,502 Kg/m



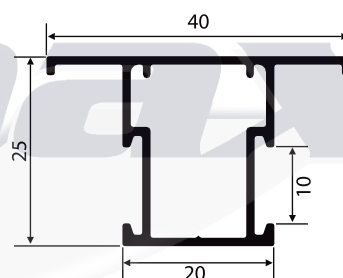
NI-567
0,366 Kg/m



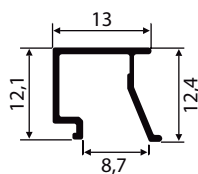
NI-758
0,215 Kg/m



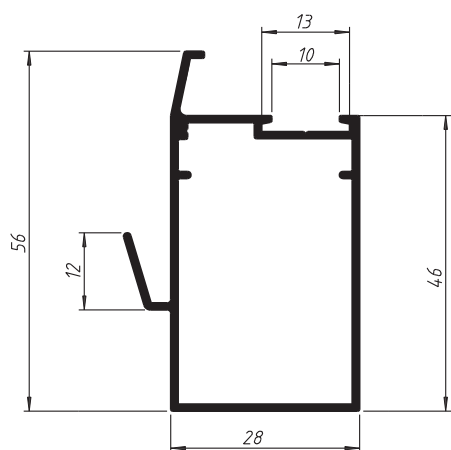
NI-568
0,549 Kg/m



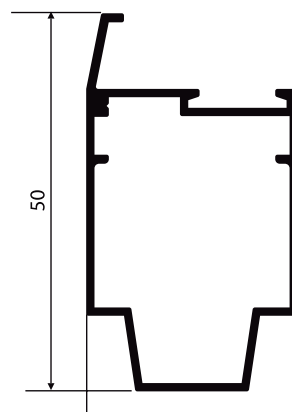
NI-762
0,376 Kg/m



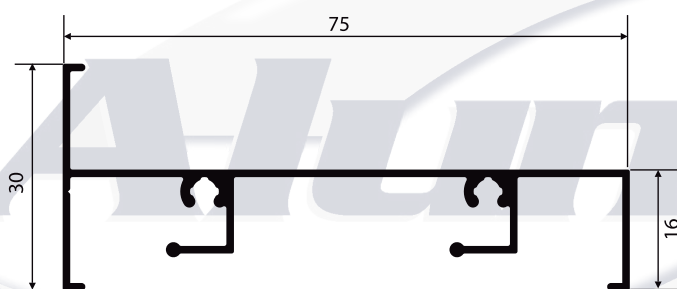
NI-566
0,096 Kg/m



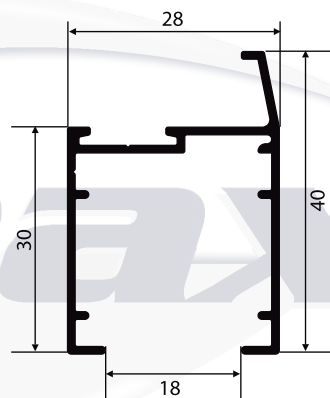
NI-856
0,549 Kg/m



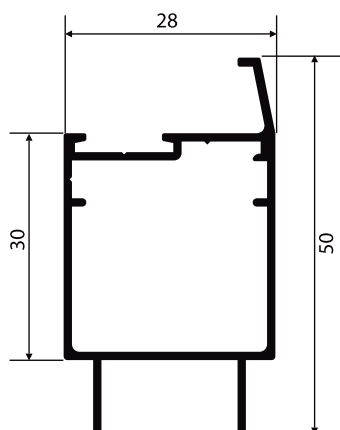
NI-858
0,468 Kg/m



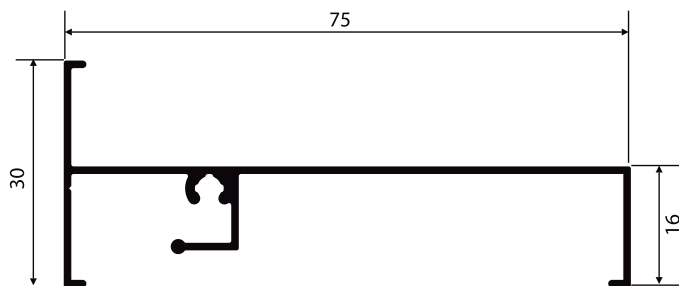
NI-854
0,511 Kg/m



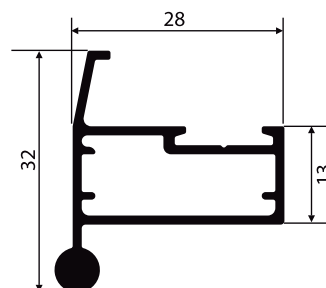
NI-859
0,331 Kg/m



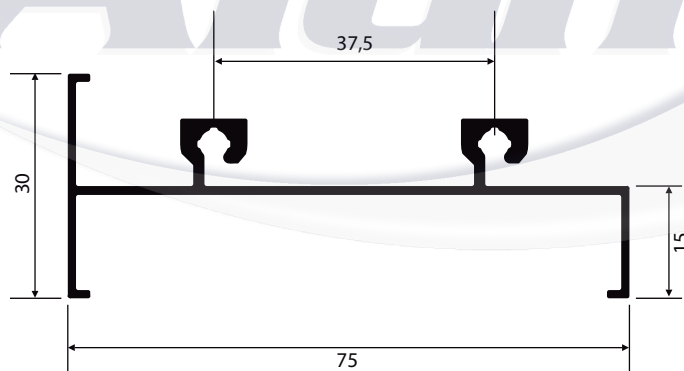
NI-853
0,467 Kg/m



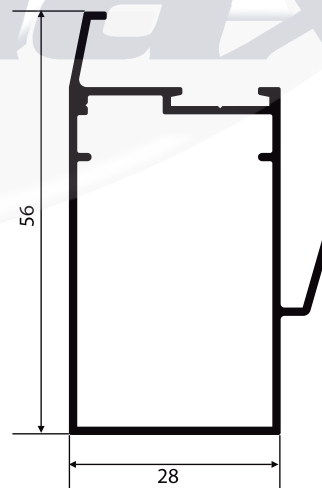
NI-855
0,424 Kg/m



NI-946
0,413 Kg/m

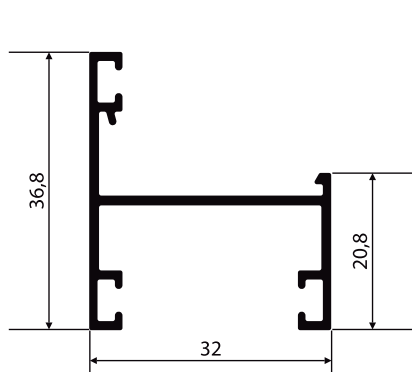


NI-569
0,613 Kg/m

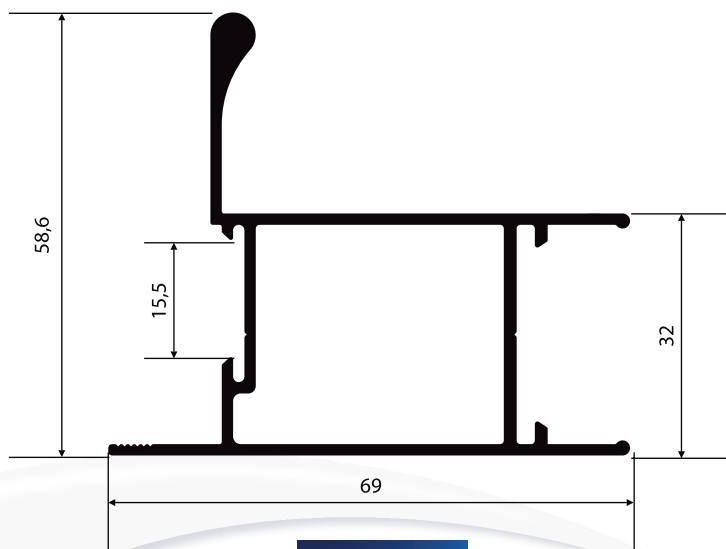


NI-852
0,549 Kg/m

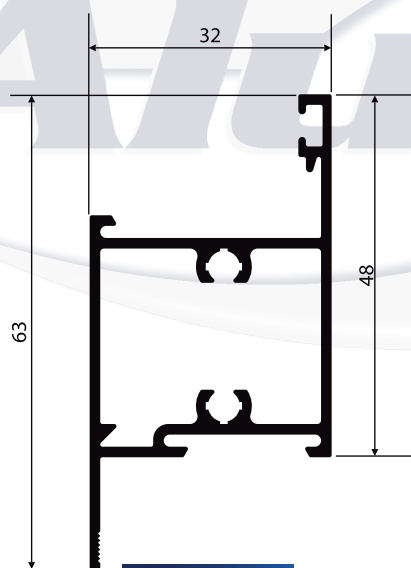
LINHA 30-90°



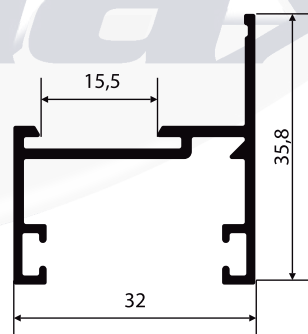
LG-068
0,383 Kg/m



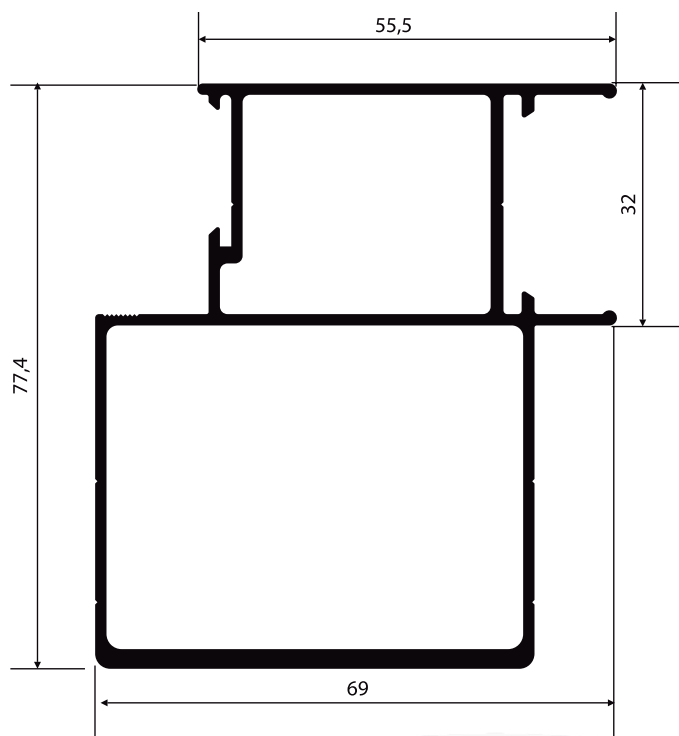
LG-017
1,004 Kg/m



LG-076
0,751 Kg/m



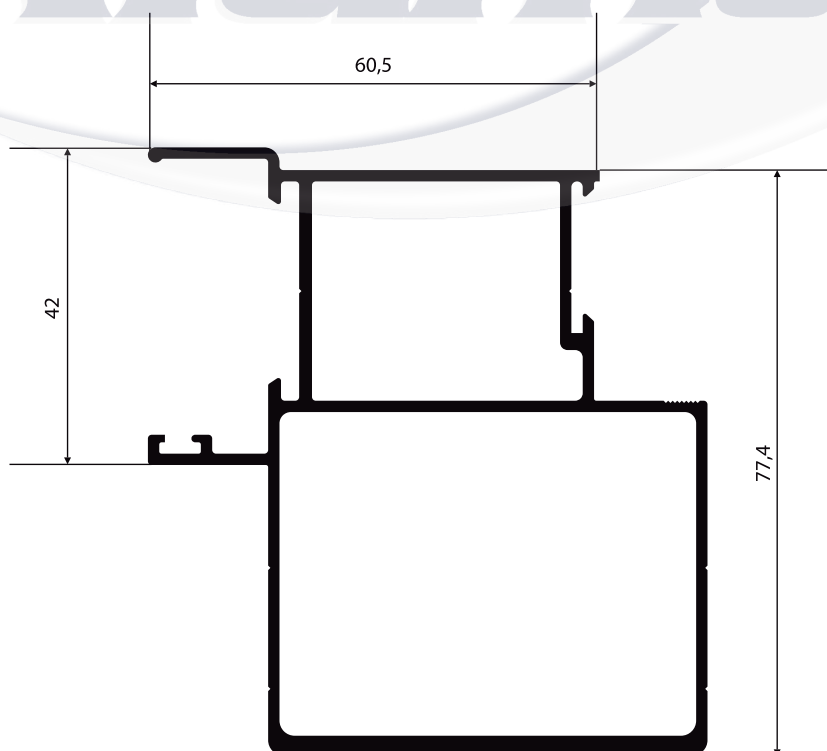
LG-083
0,411 Kg/m



LG-054

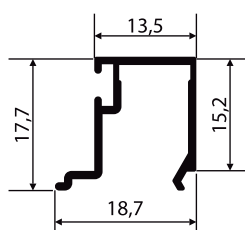
1,577 Kg/m

Alumax

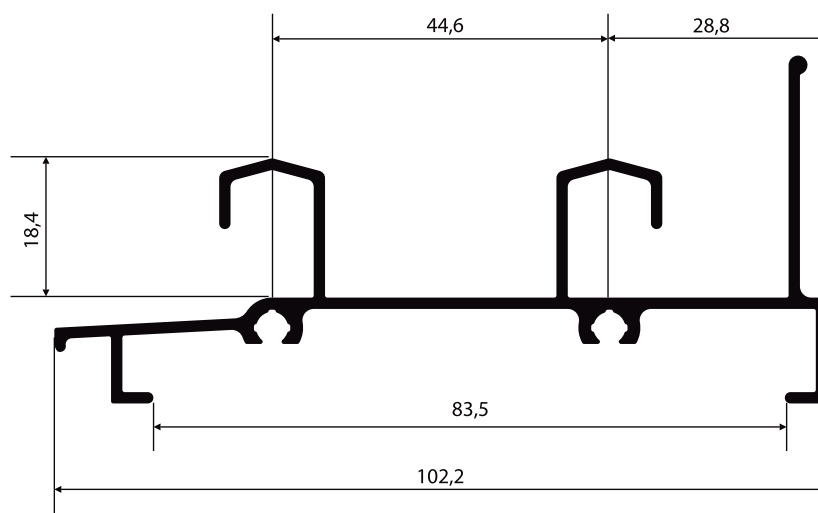


LG-053

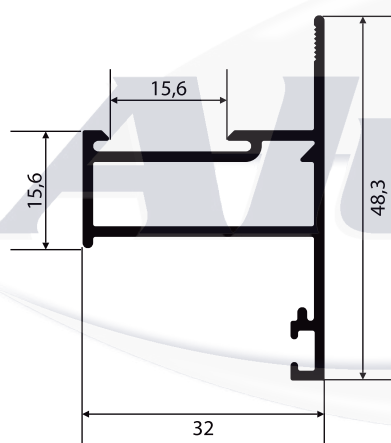
1,650 Kg/m



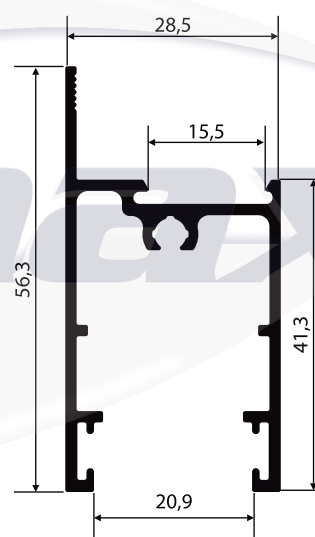
BG-057
0,166 Kg/m



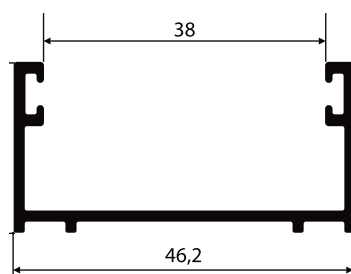
LG-047
1,133 Kg/m



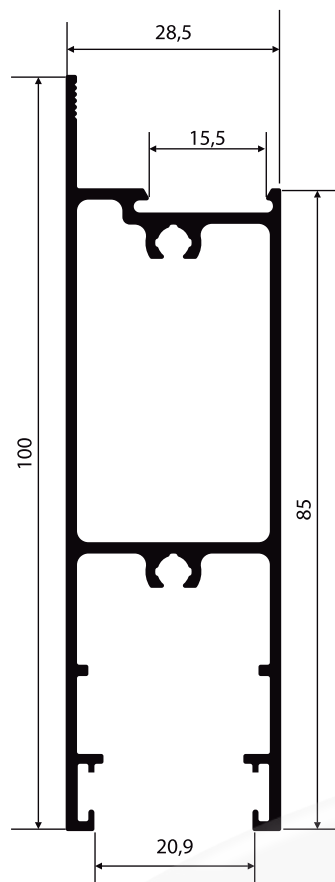
LG-085
0,527 Kg/m



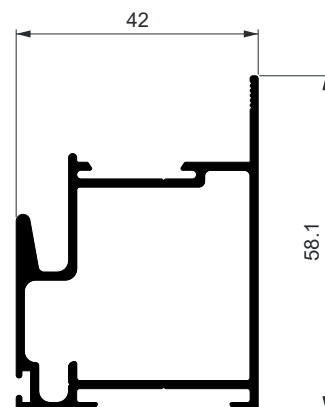
NI-507
0,655 Kg/m



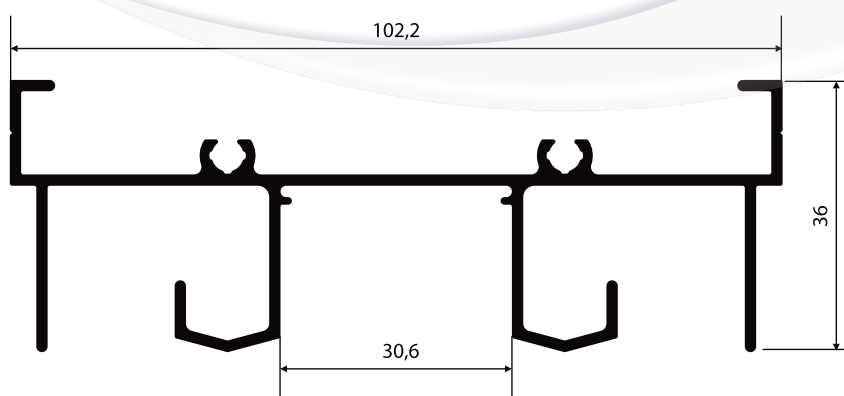
NI-509
0,436 Kg/m



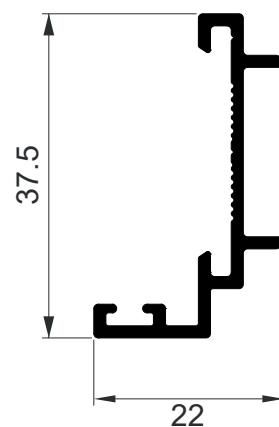
NI-508
1,159 Kg/m



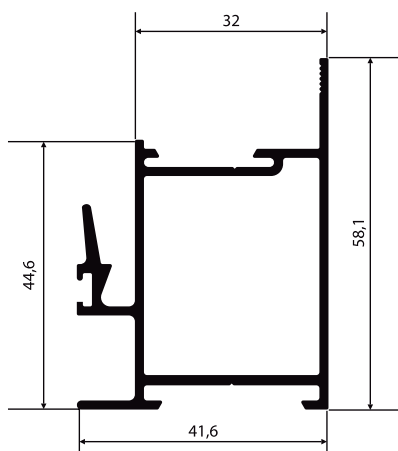
LG-019
0,875 Kg/m



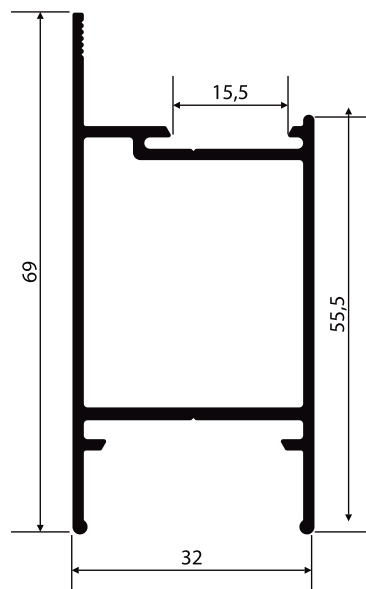
NI-510
1,159 Kg/m



LG-016
0,292 Kg/m

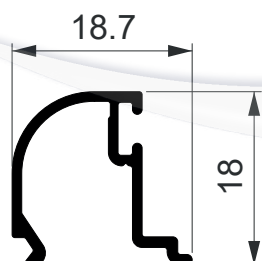


NI-513
0,914 Kg/m

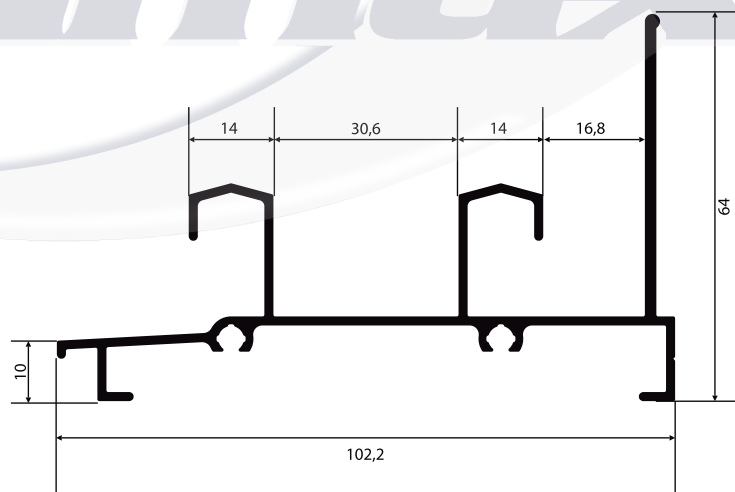


NI-514
0,813 Kg/m

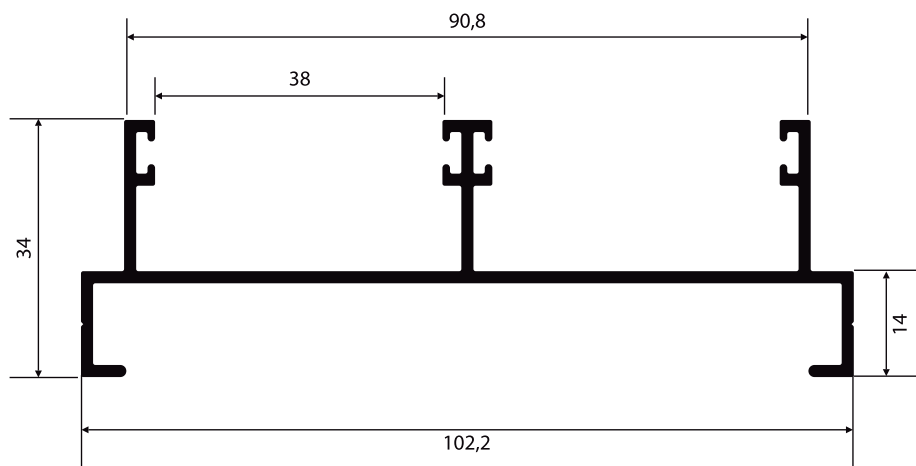
Alumax



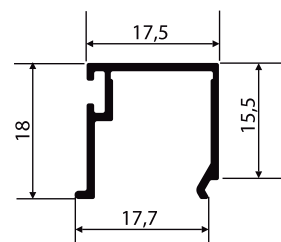
LG-026
0,155 Kg/m



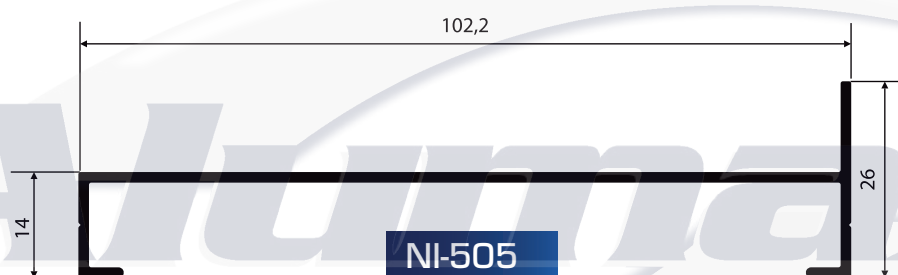
NI-522
1,206 Kg/m



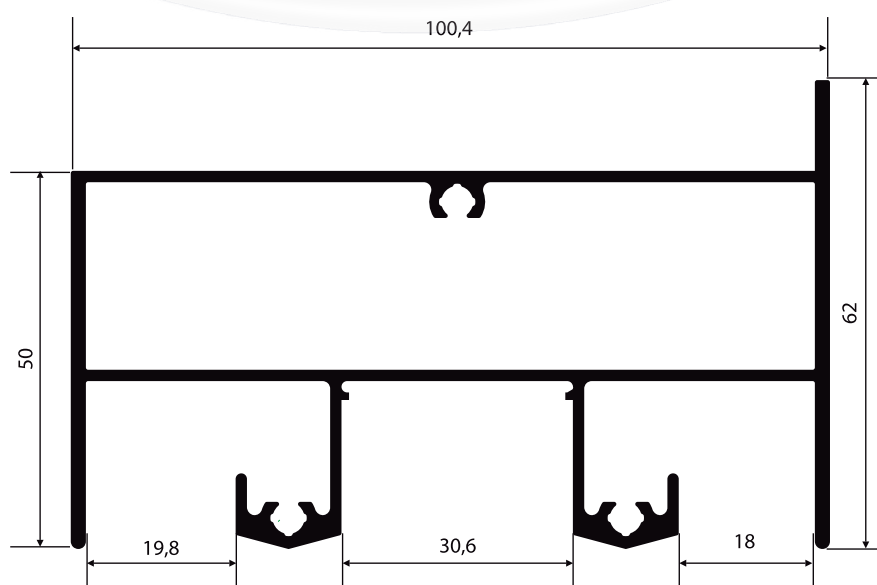
NI-511
0,959 Kg/m



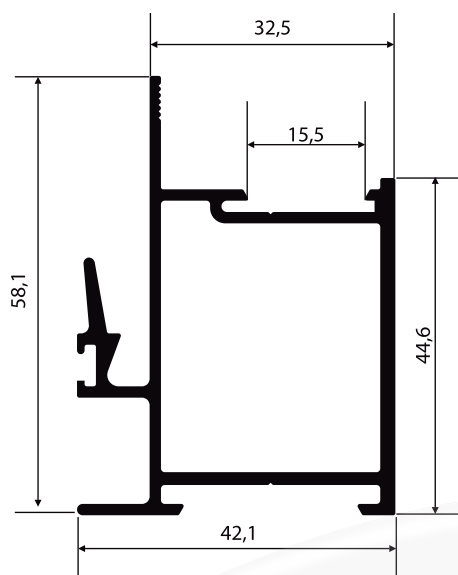
NI-518
0,174 Kg/m



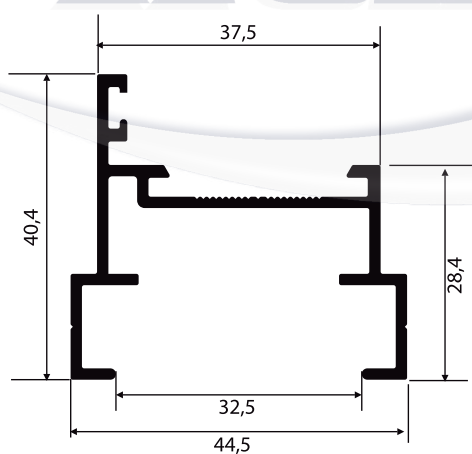
NI-505
0,562 Kg/m



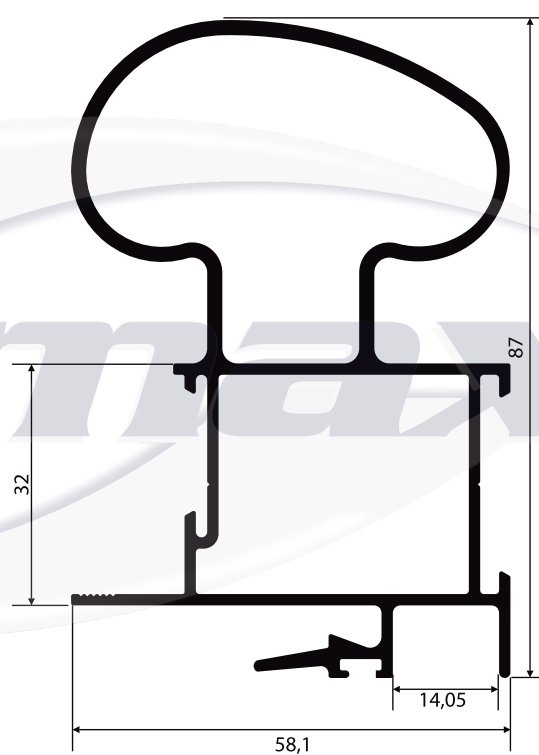
NI-506
1,892 Kg/m



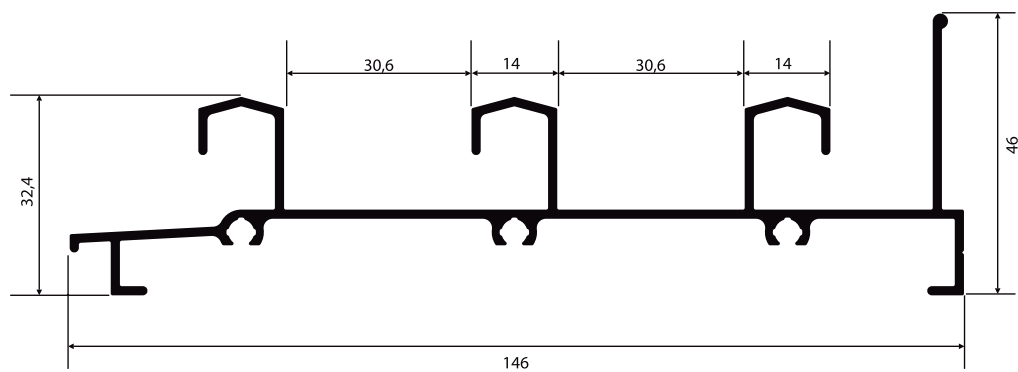
NI-512
0,973 Kg/m



NI-517
0,582 Kg/m

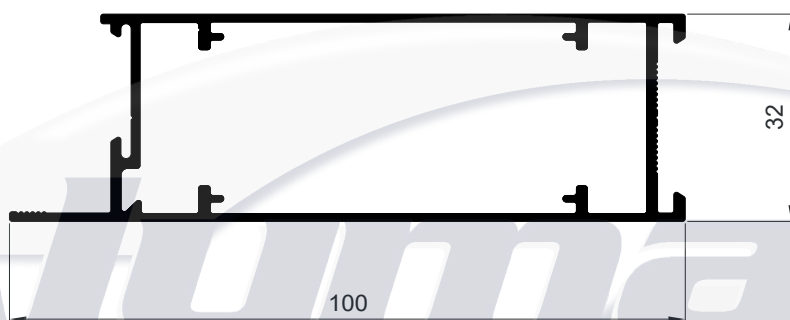


NI-538
1,722 Kg/m



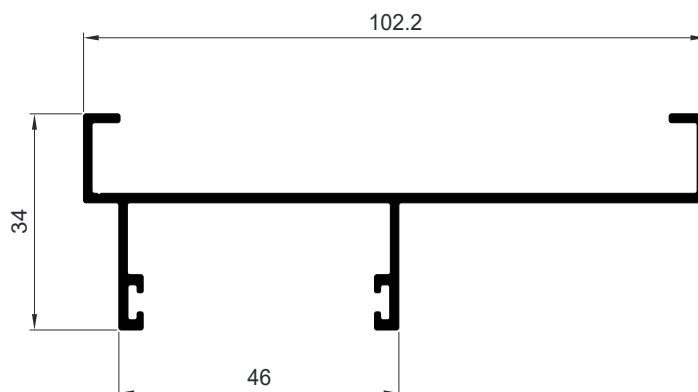
NI-521

1,422 Kg/m



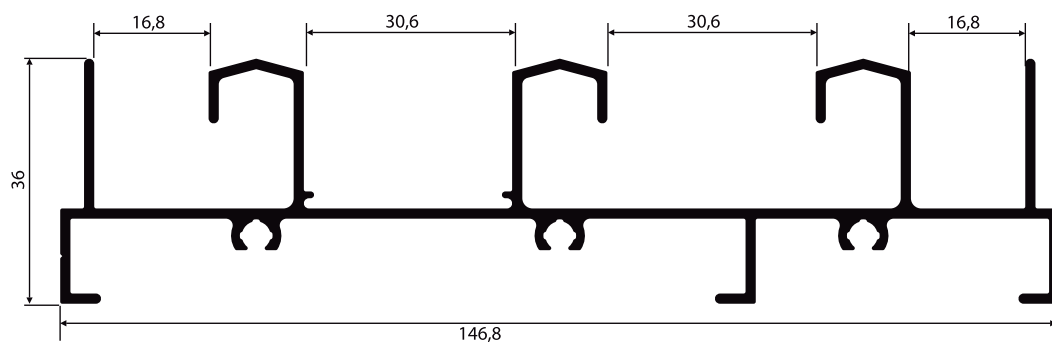
LG-042

1,019 Kg/m

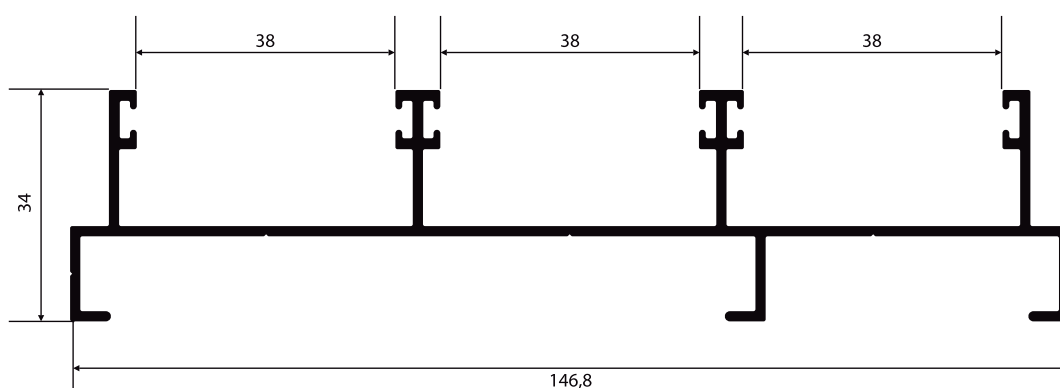


LG-124

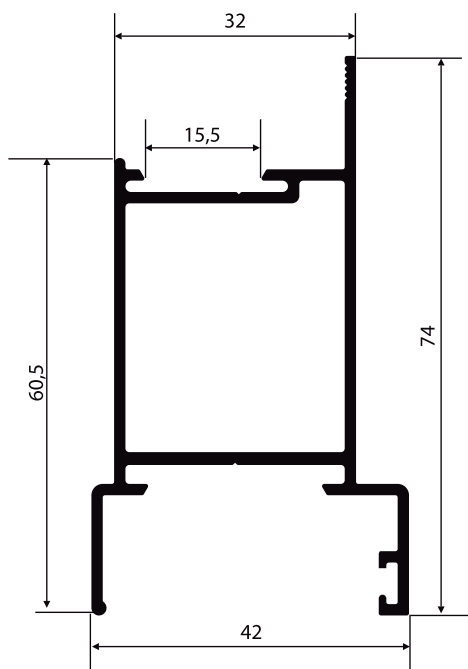
0,758 Kg/m



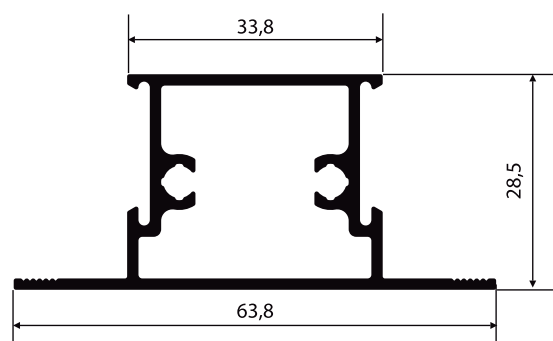
NI-519
1,620 Kg/m



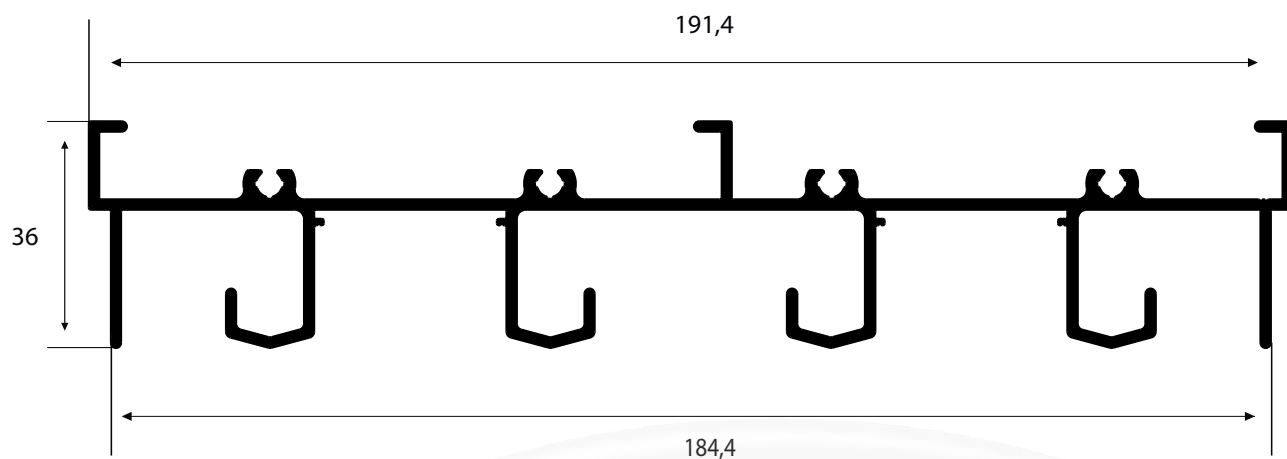
NI-520
1,304 Kg/m



NI-515
0,920 Kg/m

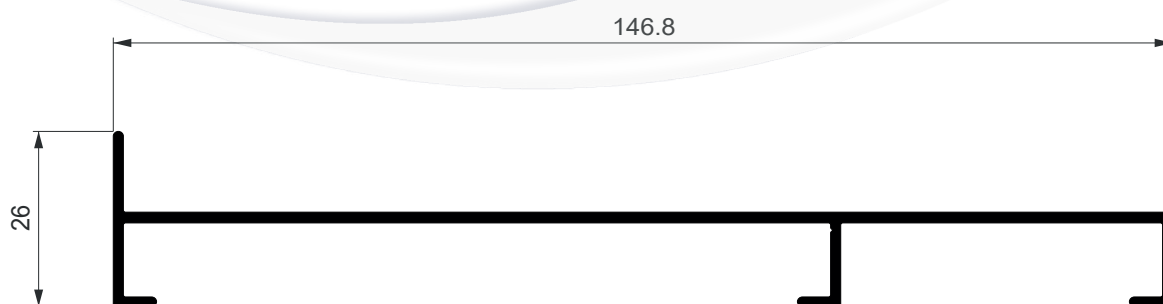


NI-516
0,742 Kg/m

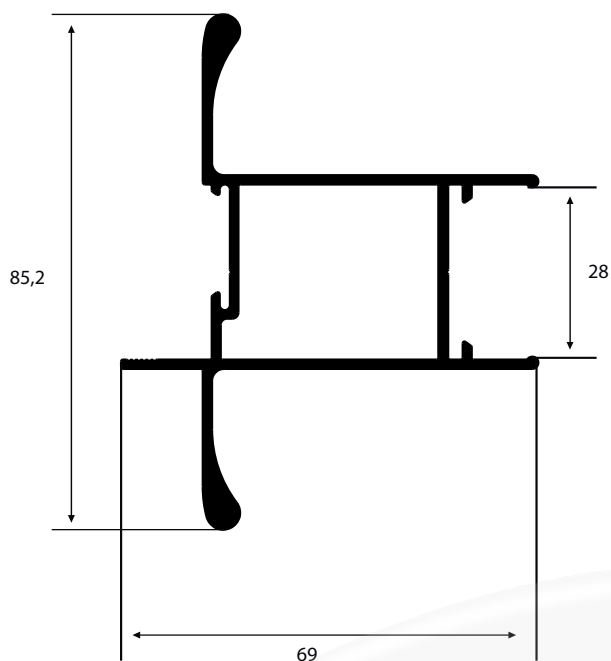


NI-2053
2,180 Kg/m

Alumax



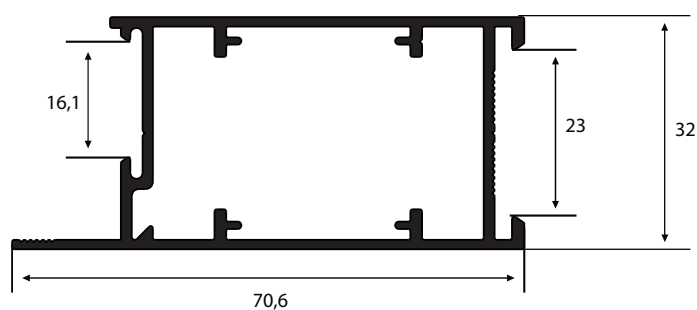
LG-158
0,873 Kg/m



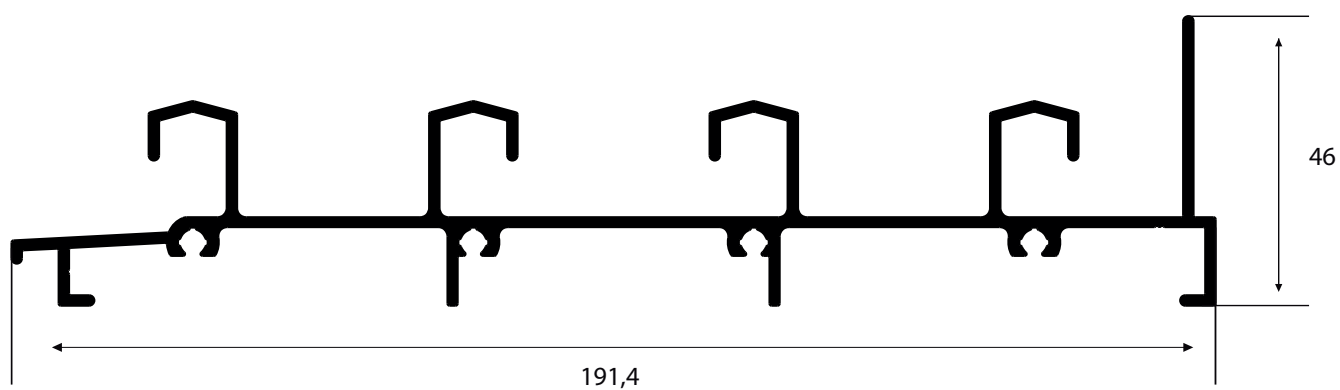
LG-201
1,181 Kg/m



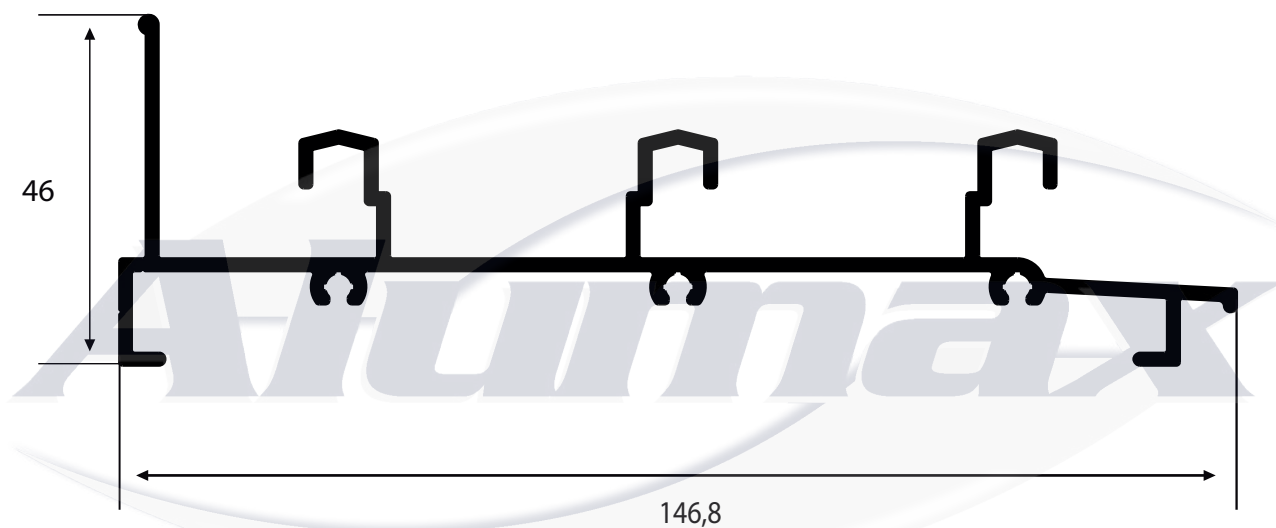
NI-2052
1,097 Kg/m



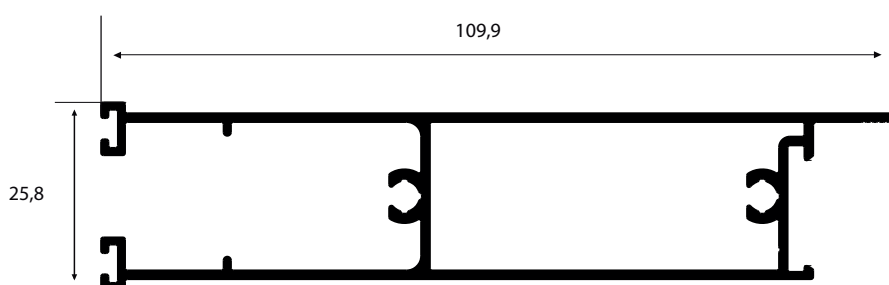
LG-043
0,834 Kg/m



NI-2054
1,990 Kg/m

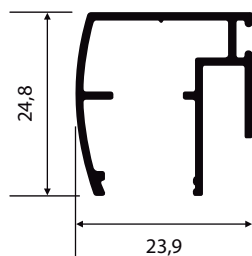


NI-1466
1,446 Kg/m



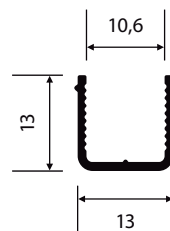
NI-2183
0,978 Kg/m

LINHA ECONOMAX



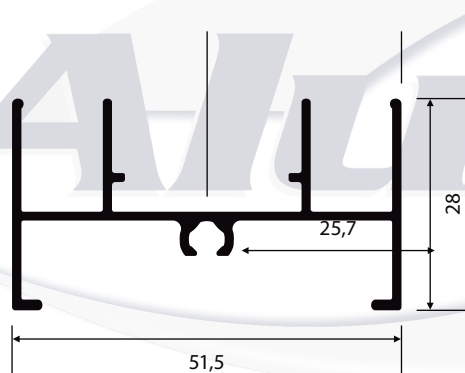
LE-1611

0,287 Kg/m



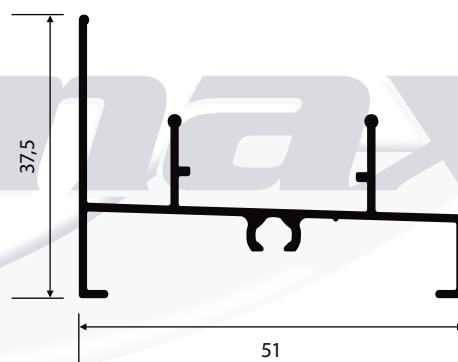
LE-1612

0,109 Kg/m



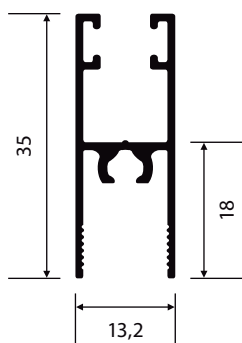
LE-1614

0,514 Kg/m

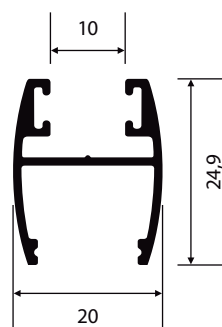


LE-1615

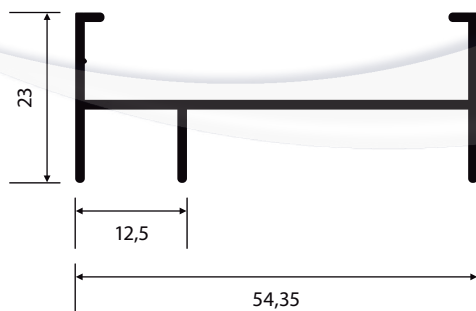
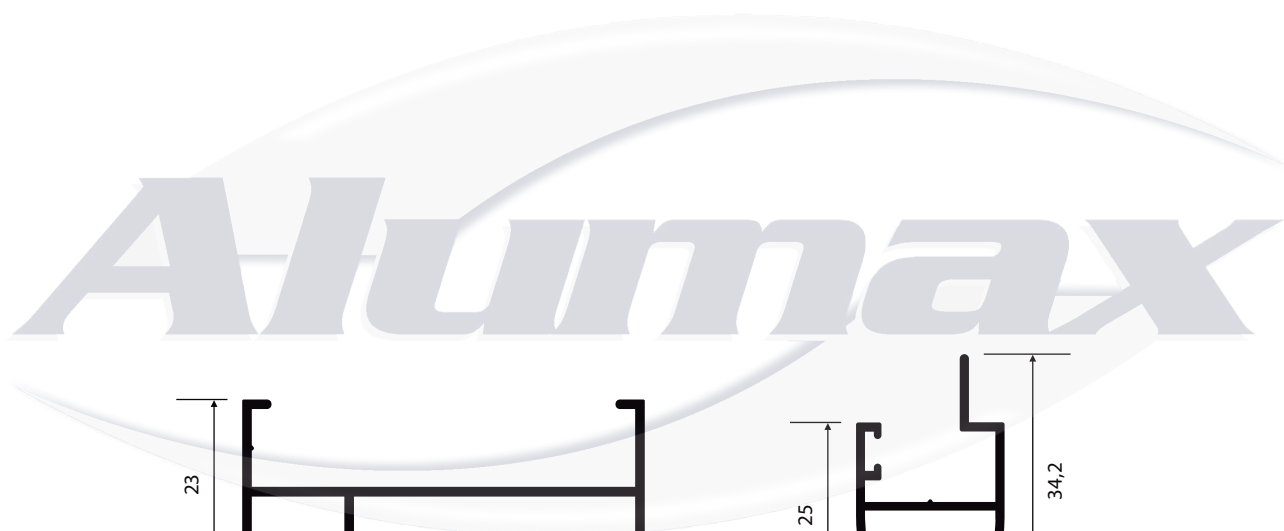
0,440 Kg/m



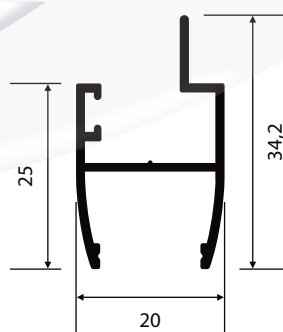
LE-1604
0,293 Kg/m



LE-1610
0,283 Kg/m

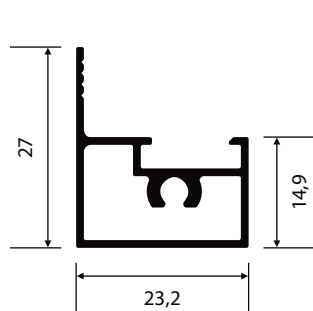


LE-1616
0,396 Kg/m

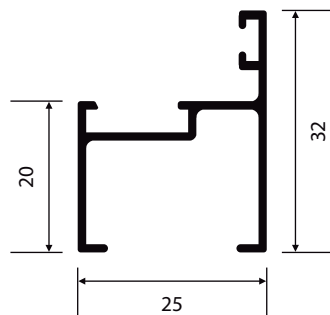


LE-1628
0,295 Kg/m

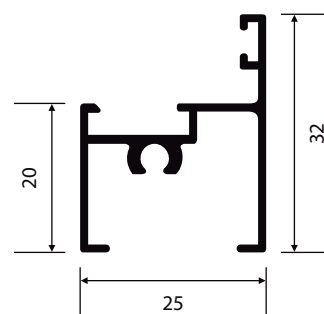
MÓDULO PRÁTICO



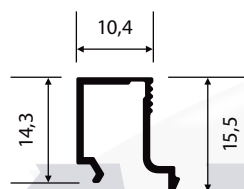
25-301
0,306 Kg/m



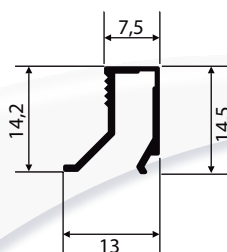
25-311
0,287 Kg/m



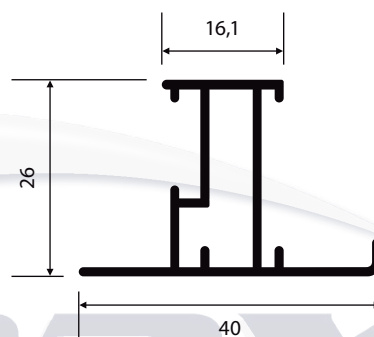
25-312
0,321 Kg/m



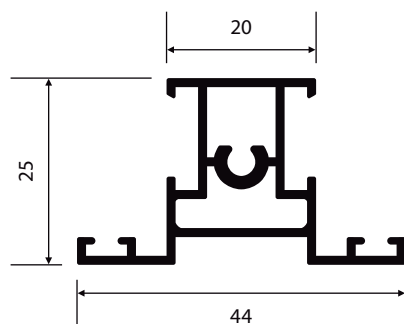
BG-035
0,117 Kg/m



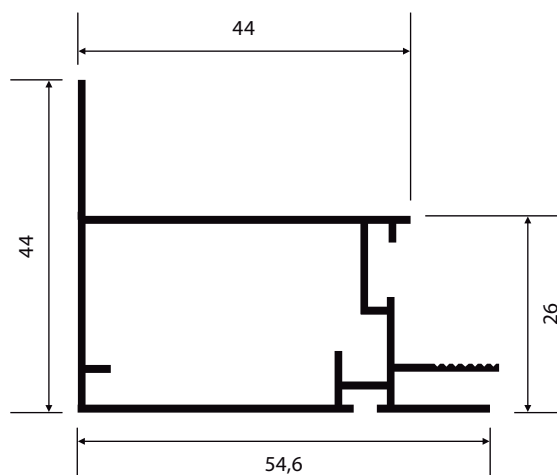
BG-202
0,106 Kg/m



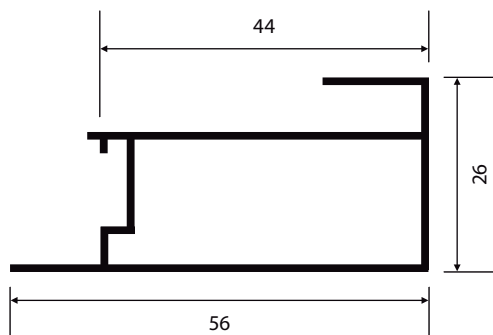
MM-375
0,393 Kg/m



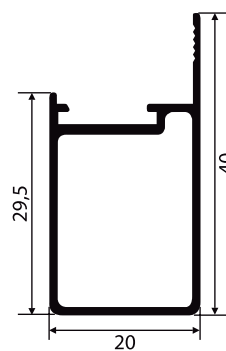
MM-376
0,521 Kg/m



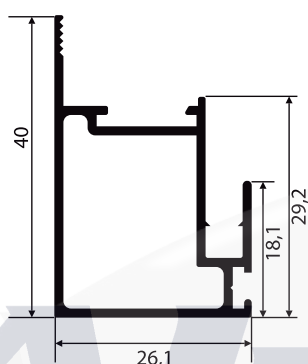
MP-069
0,602 Kg/m



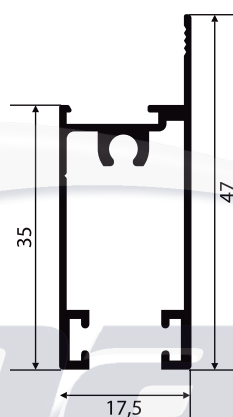
MP-070
0,497 Kg/m



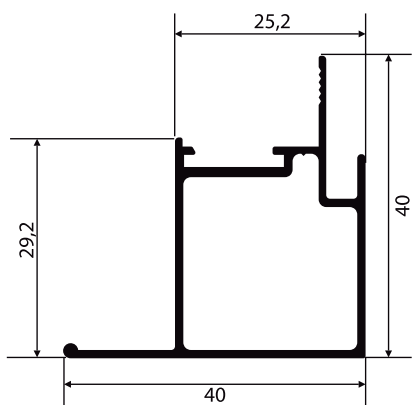
MP-300
0,334 Kg/m



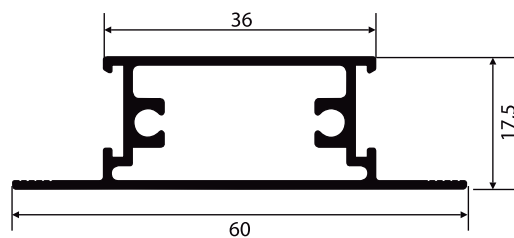
MP-302
0,434 Kg/m



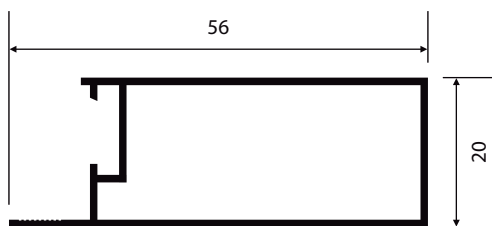
MP-309
0,387 Kg/m



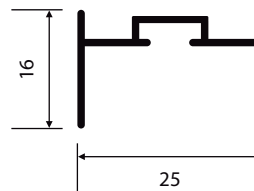
MP-321
0,428 Kg/m



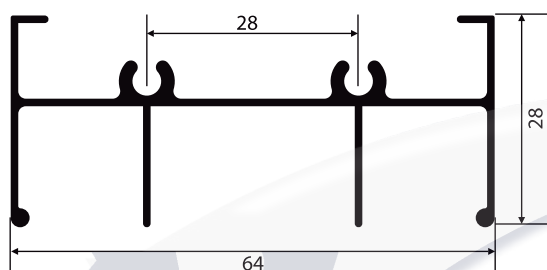
MP-332
0,489 Kg/m



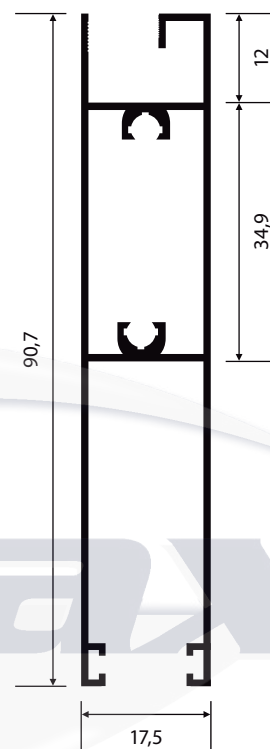
MP-336
0,424 Kg/m



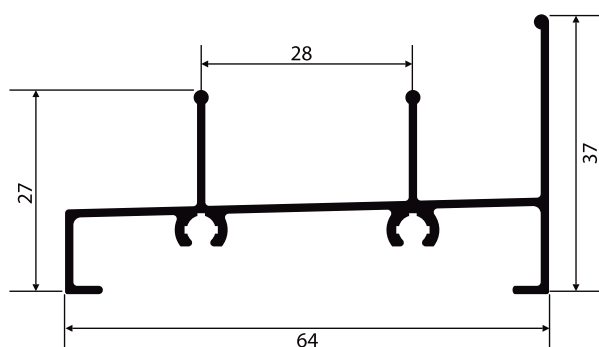
MP-352
0,165 Kg/m



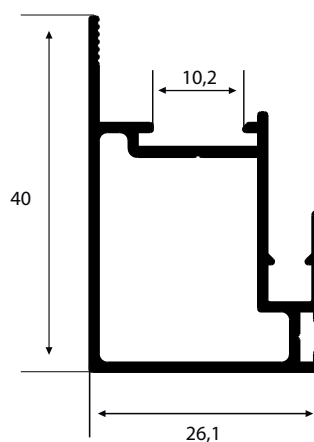
MP-357
0,558 Kg/m



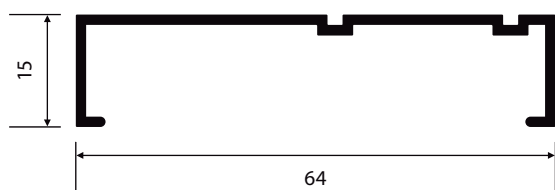
MP-354
0,895 Kg/m



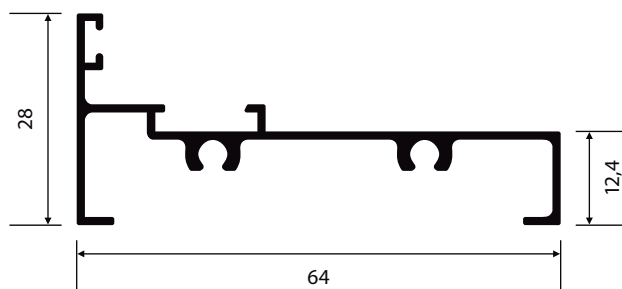
MP-358
0,539 Kg/m



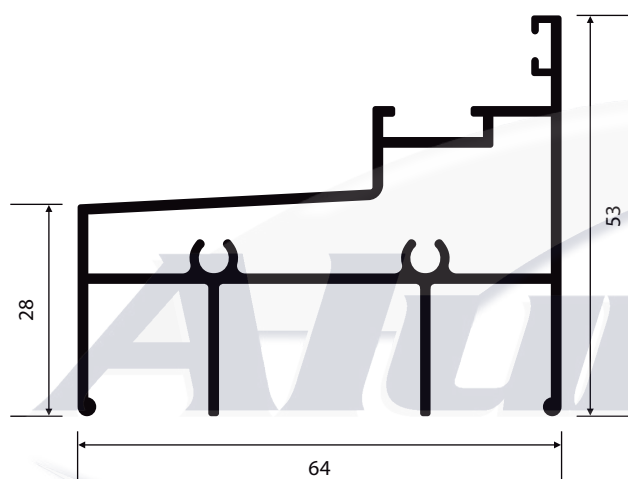
MP-302MA
0,375 Kg/m



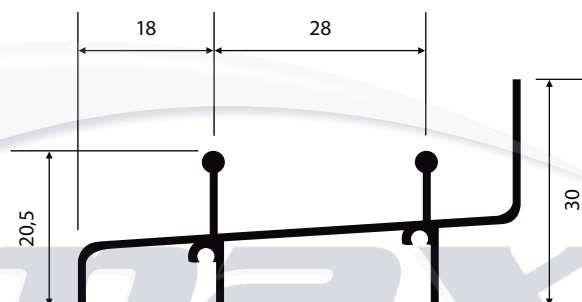
MP-359
0,385 Kg/m



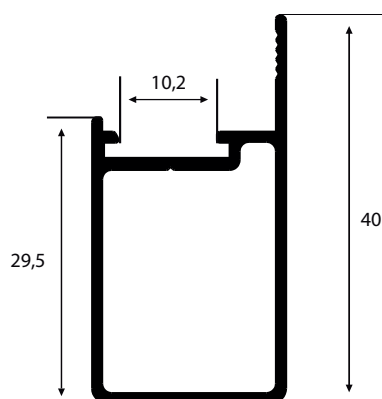
MP-363
0,468 Kg/m



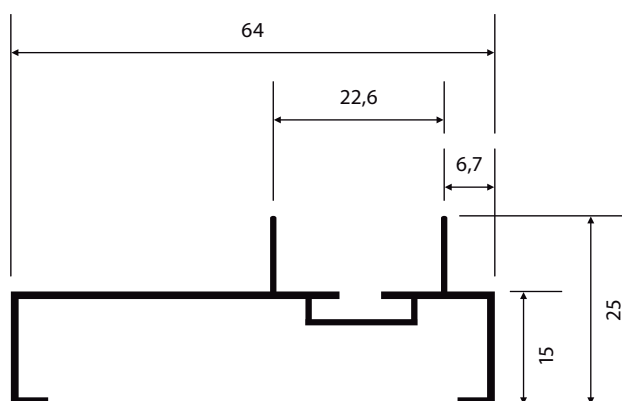
MP-361
1,074 Kg/m



MP-370
0,565 Kg/m

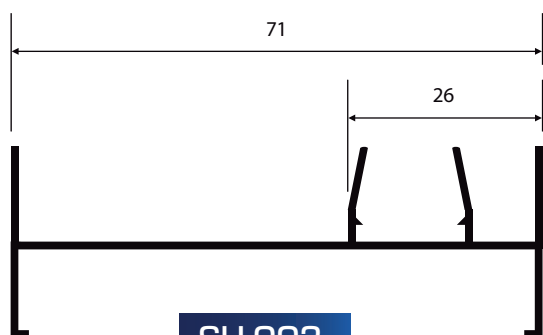


MP-300MA
0,307 Kg/m

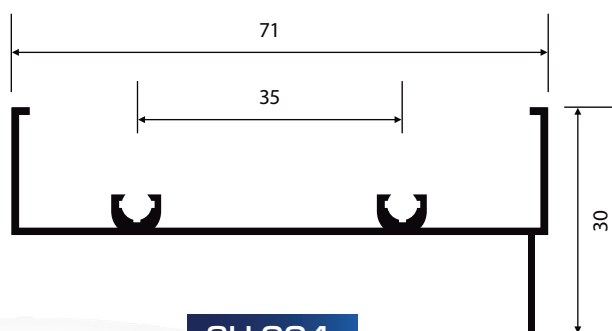


MP-360
0,344 Kg/m

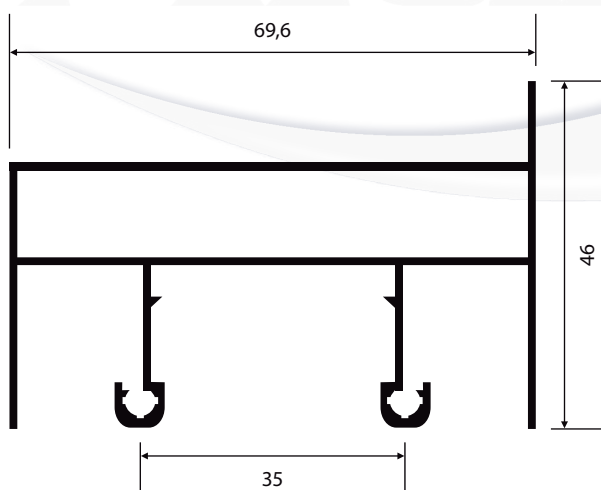
LINHA SUPREMA



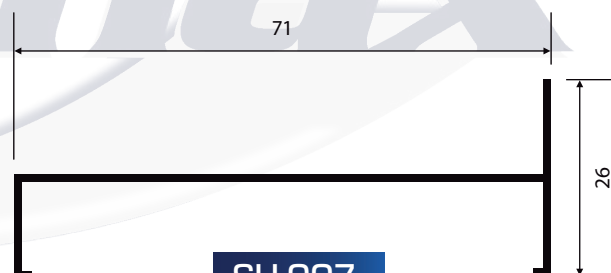
SU-003
0,494 Kg/m



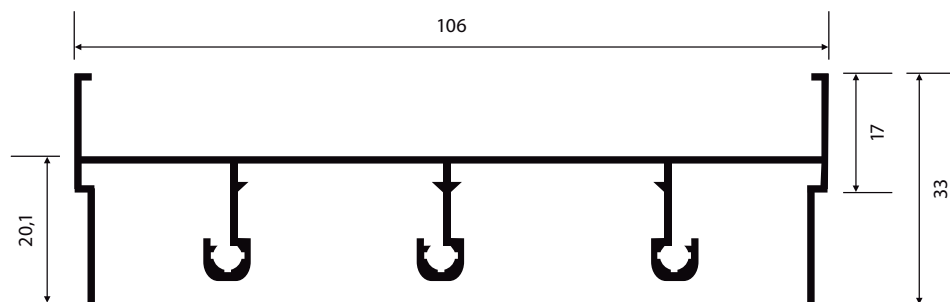
SU-004
0,502 Kg/m



SU-005
0,974 Kg/m

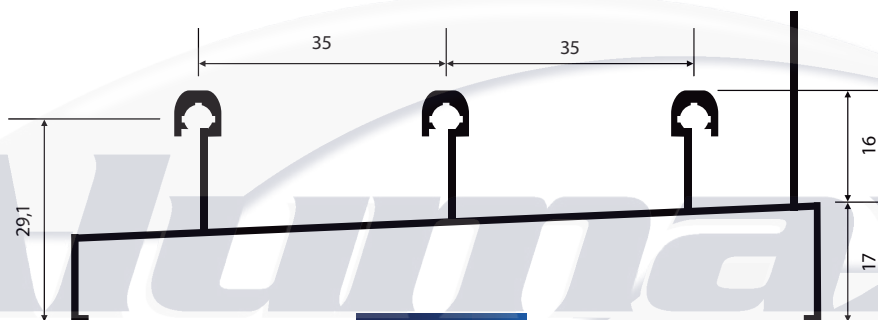


SU-007
0,385 Kg/m



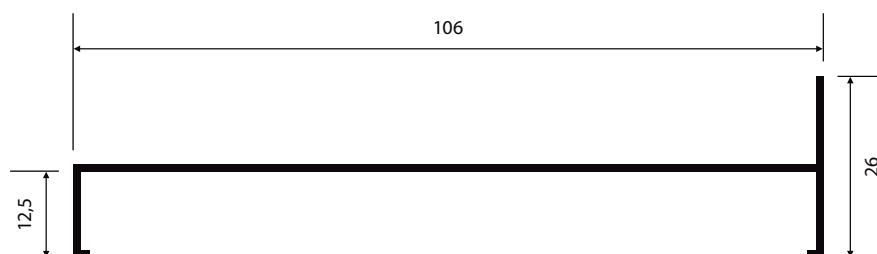
SU-010

0,960 Kg/m



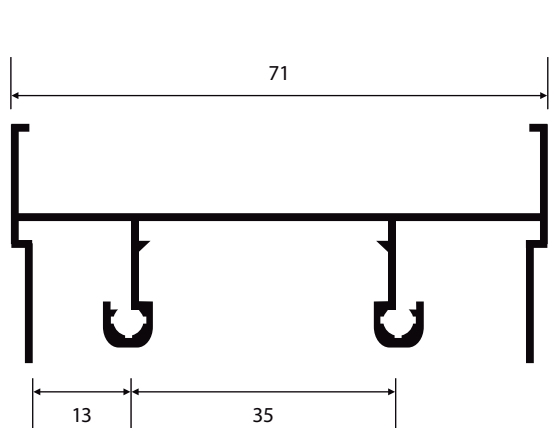
SU-011

0,973 Kg/m

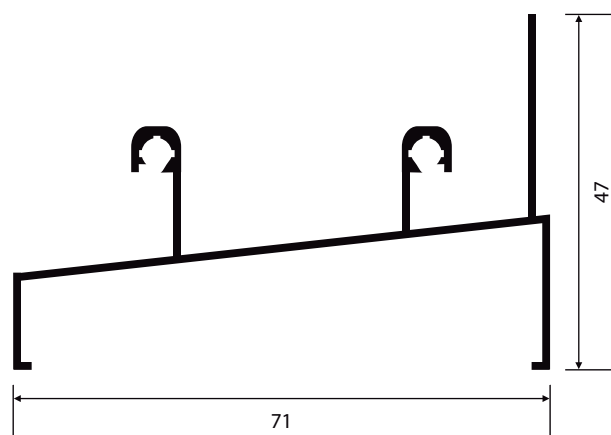


SU-012

0,542 Kg/m



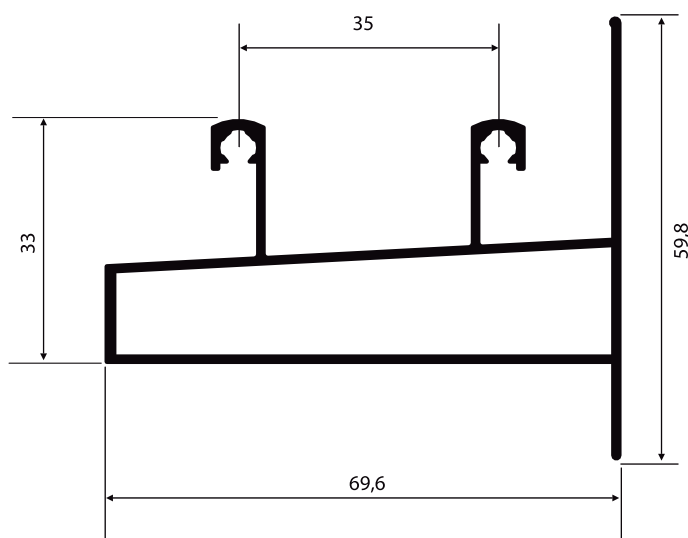
SU-001
0,713 Kg/m



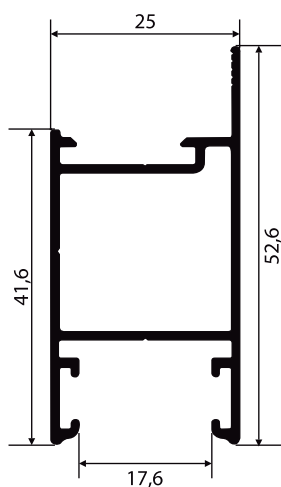
SU-002
0,692 Kg/m



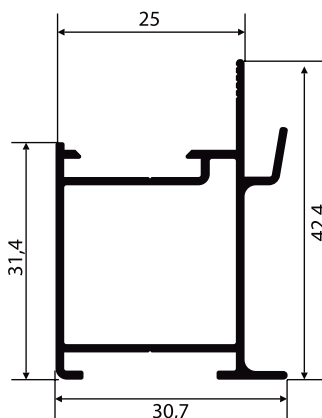
SU-009
0,906 Kg/m



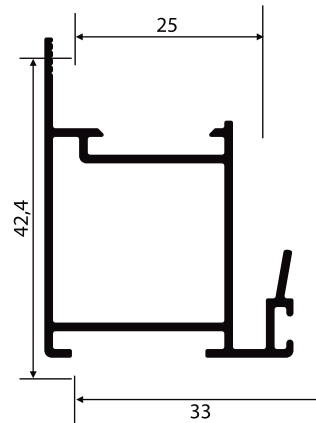
SU-006
0,982 Kg/m



SU-039
0,476 Kg/m

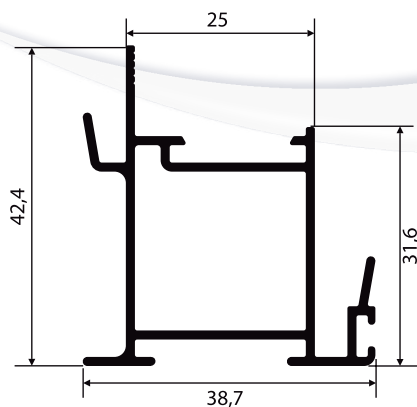


SU-040
0,458 Kg/m

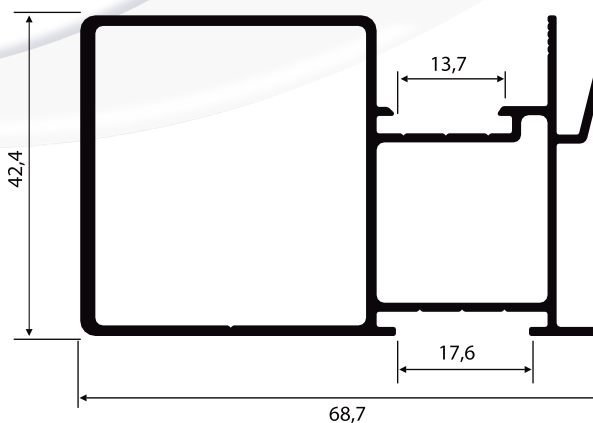


SU-041
0,508 Kg/m

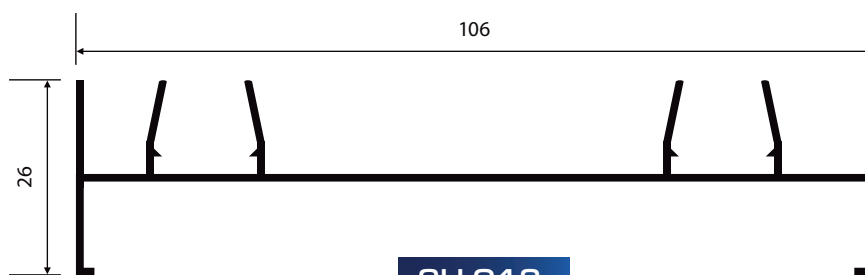
Alumax



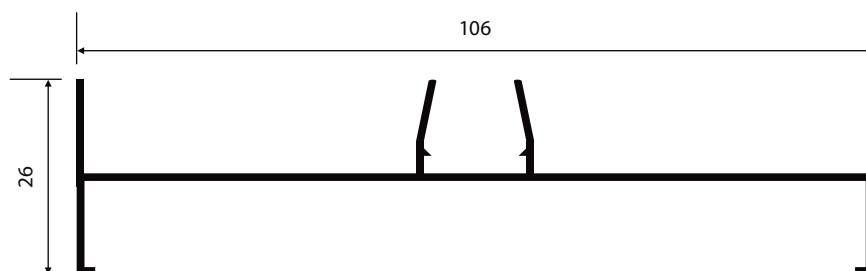
SU-042
0,563 Kg/m



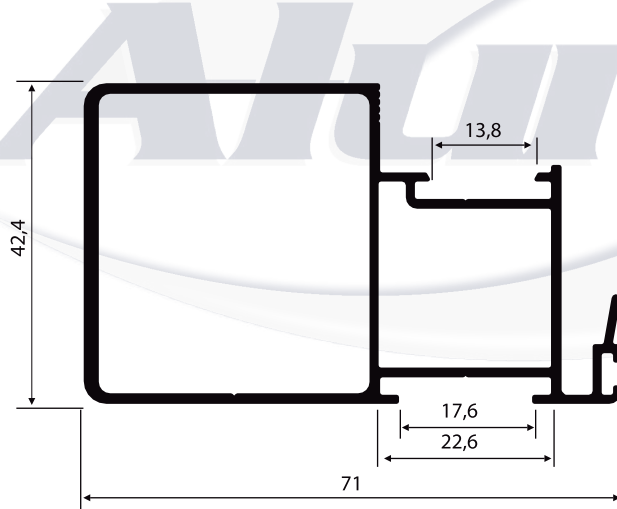
SU-047
1,041 Kg/m



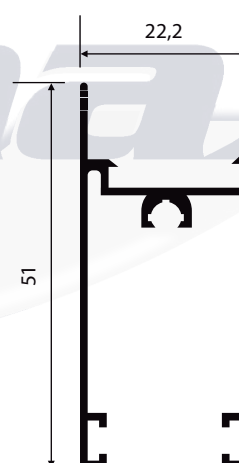
SU-013
0,707 Kg/m



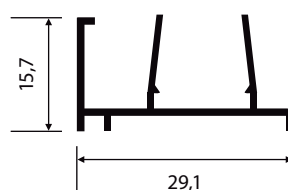
SU-014
0,648 Kg/m



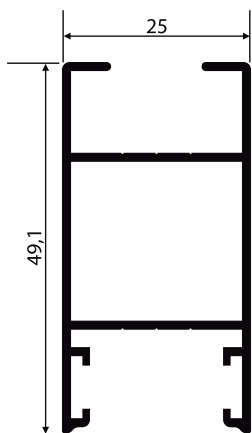
SU-049
1,042 Kg/m



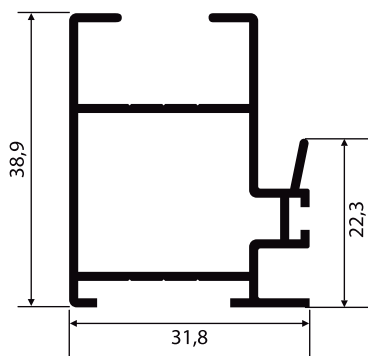
SU-053
0,470 Kg/m



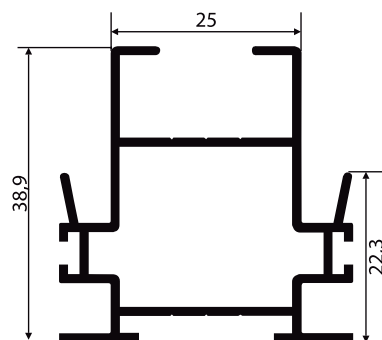
SU-008
0,246 Kg/m



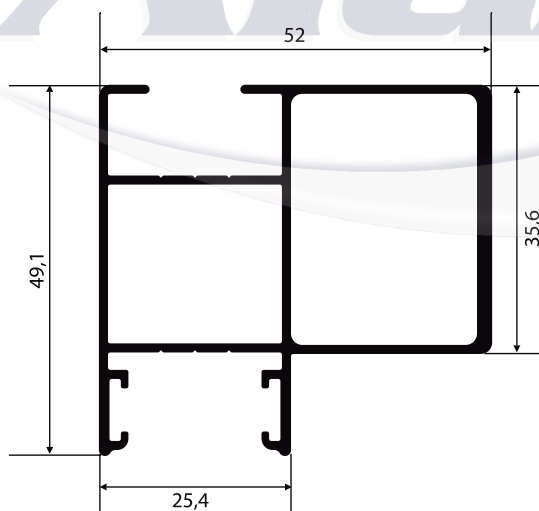
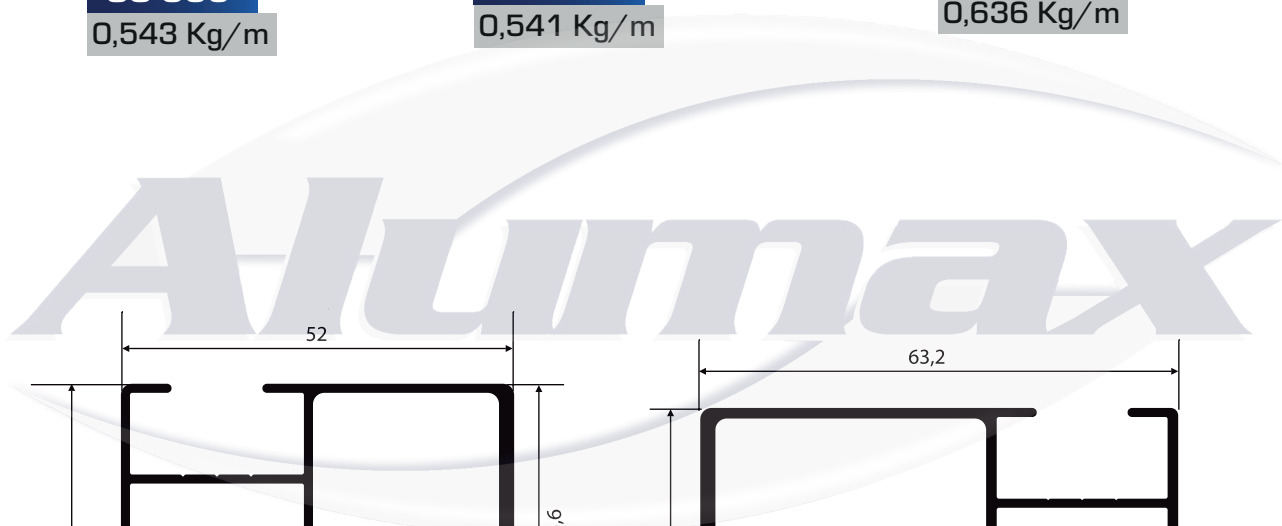
SU-055
0,543 Kg/m



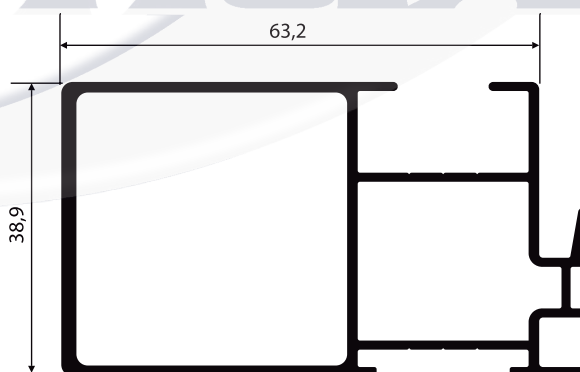
SU-056
0,541 Kg/m



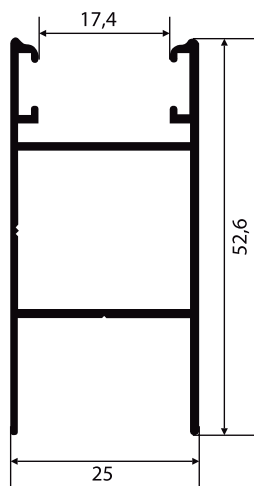
SU-057
0,636 Kg/m



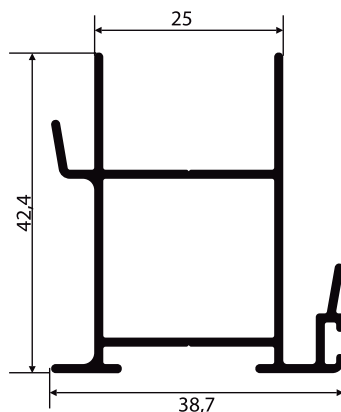
SU-060
0,912 Kg/m



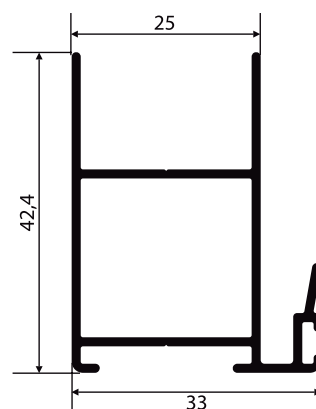
SU-061
1,062 Kg/m



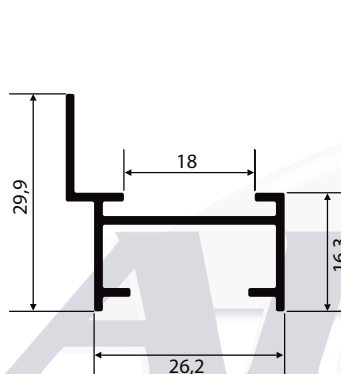
SU-068
0,490 Kg/m



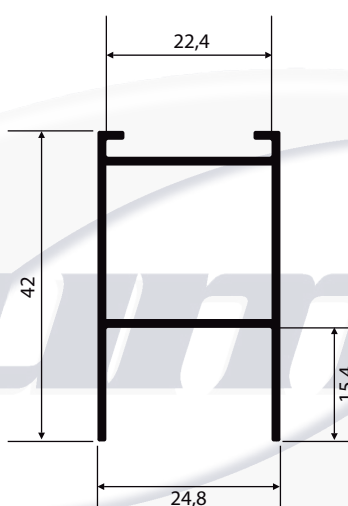
SU-069
0,576 Kg/m



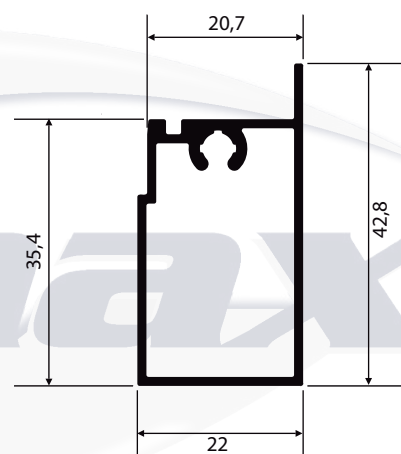
SU-070
0,518 Kg/m



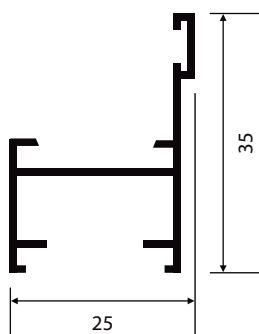
SU-071
0,283 Kg/m



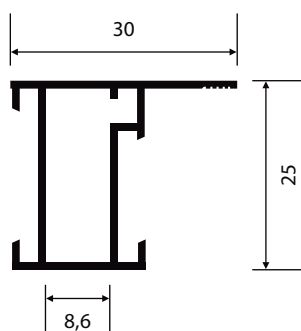
SU-072
0,435 Kg/m



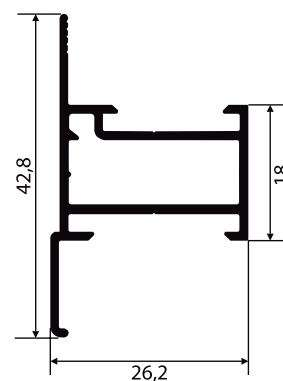
SU-073
0,457 Kg/m



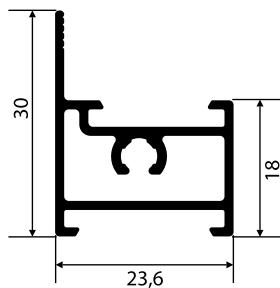
SU-079
0,332 Kg/m



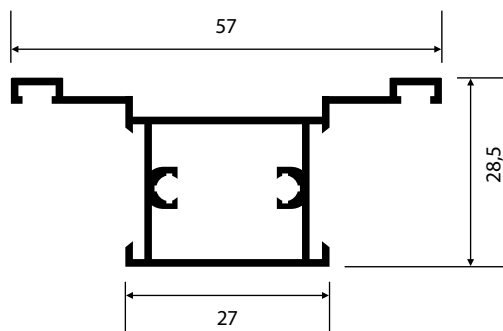
SU-080
0,355 Kg/m



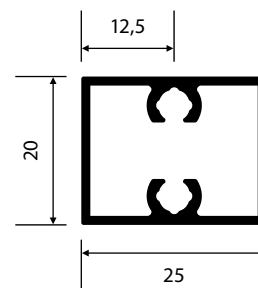
SU-081
0,397 Kg/m



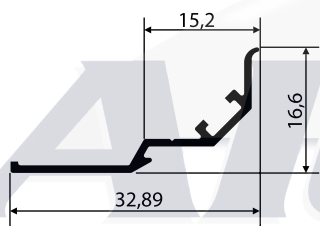
SU-082
0,377 Kg/m



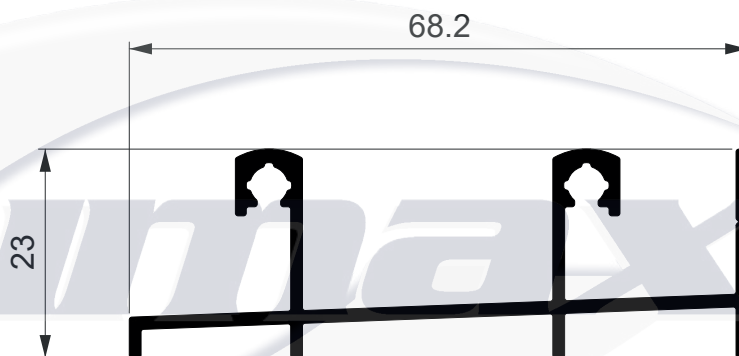
SU-086
0,596 Kg/m



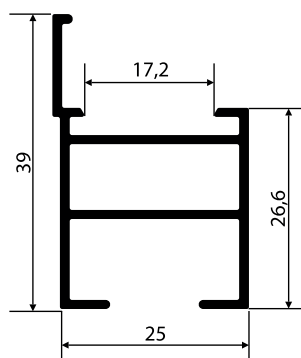
SU-094
0,378 Kg/m



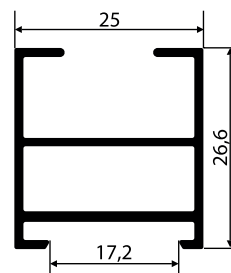
SU-083
0,143 Kg/m



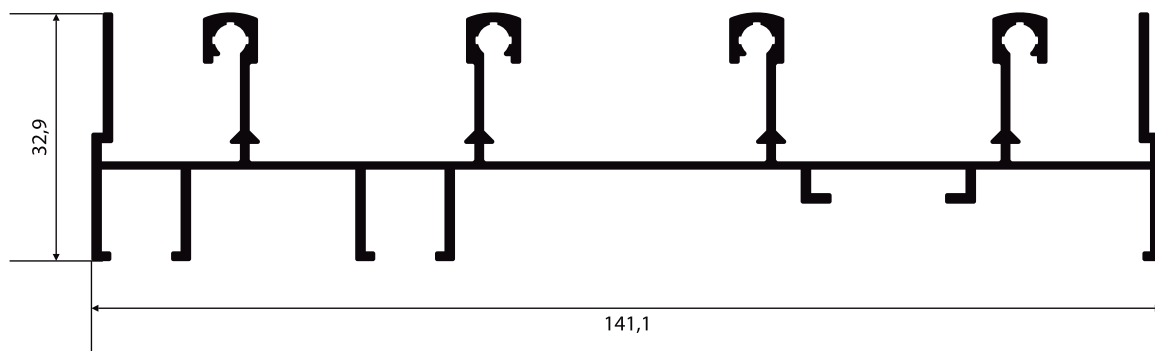
SU-260
0,614 Kg/m



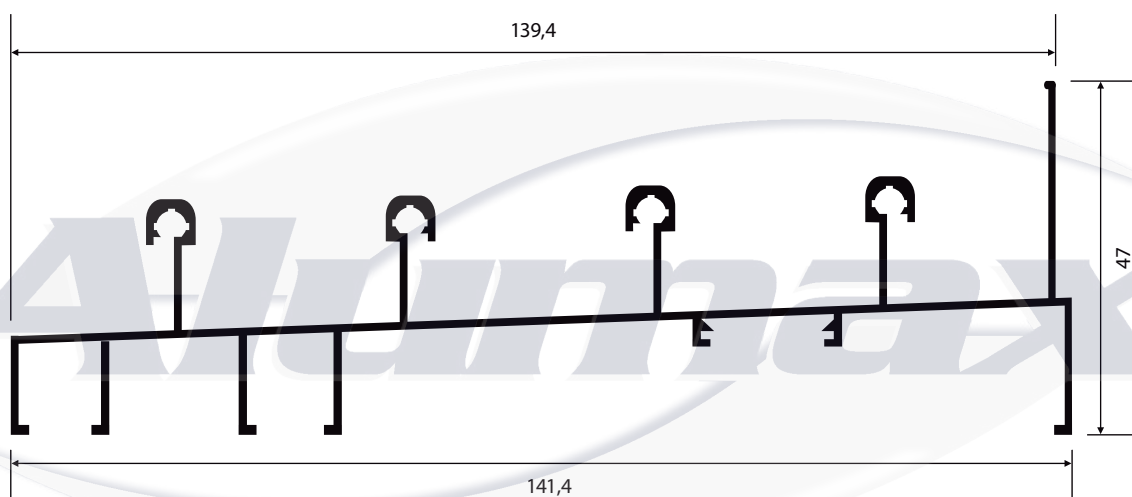
SU-090
0,435 Kg/m



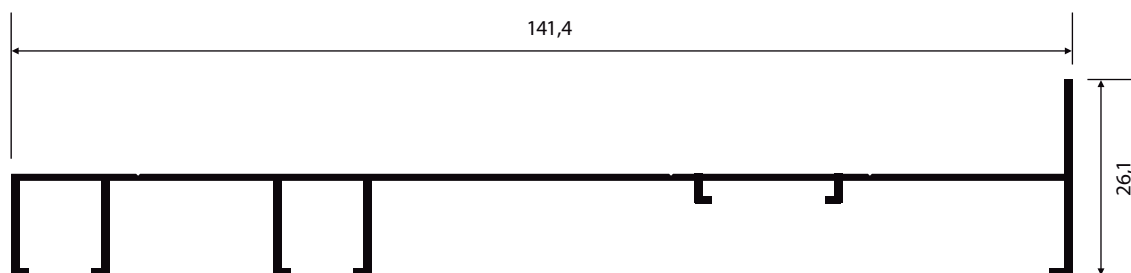
SU-091
0,378 Kg/m



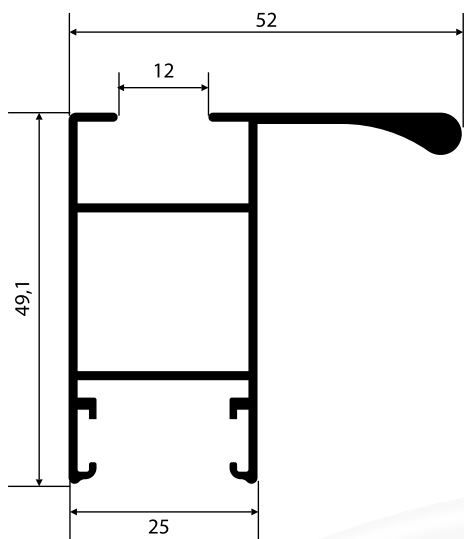
SU-121
1,415 Kg/m



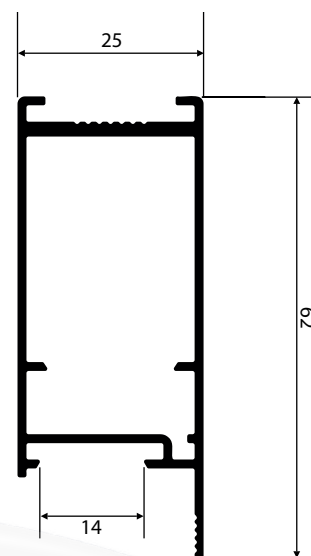
SU-122
1,413 Kg/m



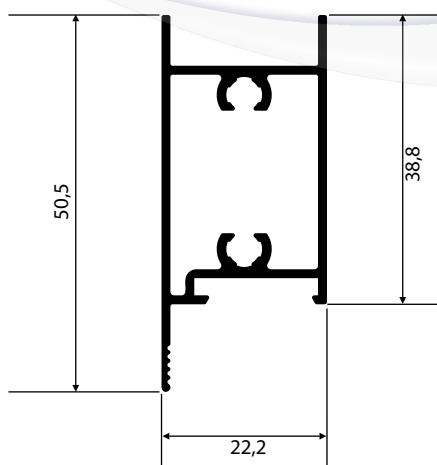
SU-123
0,969 Kg/m



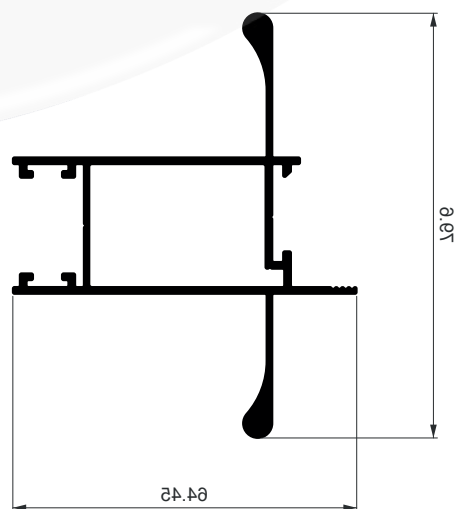
SU-270
0,730 Kg/m



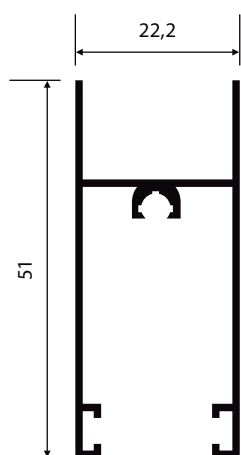
SU-111
0,617 Kg/m



SU-110
0,527 Kg/m

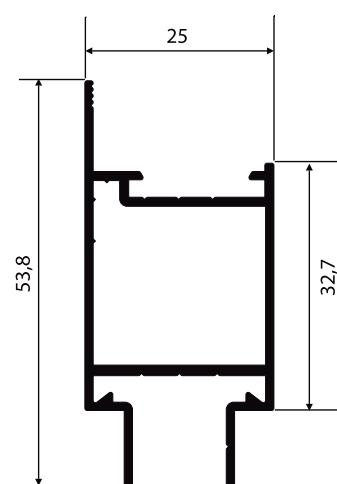


SU-280E
0,956 Kg/m



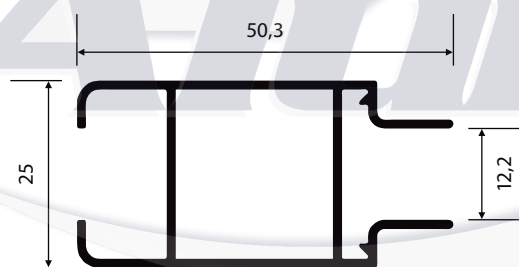
SU-187

0,492 Kg/m



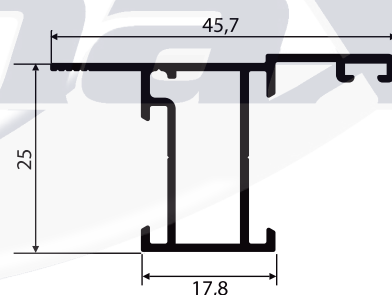
SU-192

0,507 Kg/m



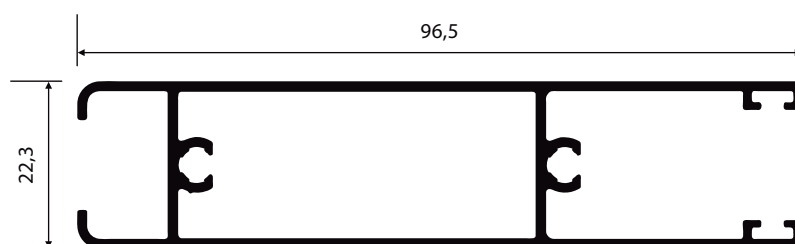
SU-190

0,537 Kg/m



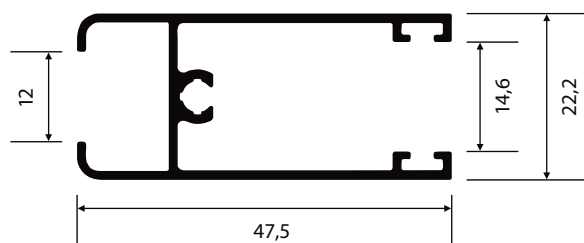
SU-200

0,404 Kg/m

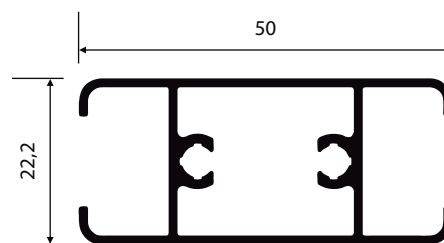


SU-226

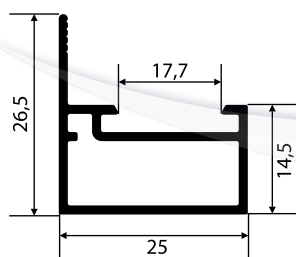
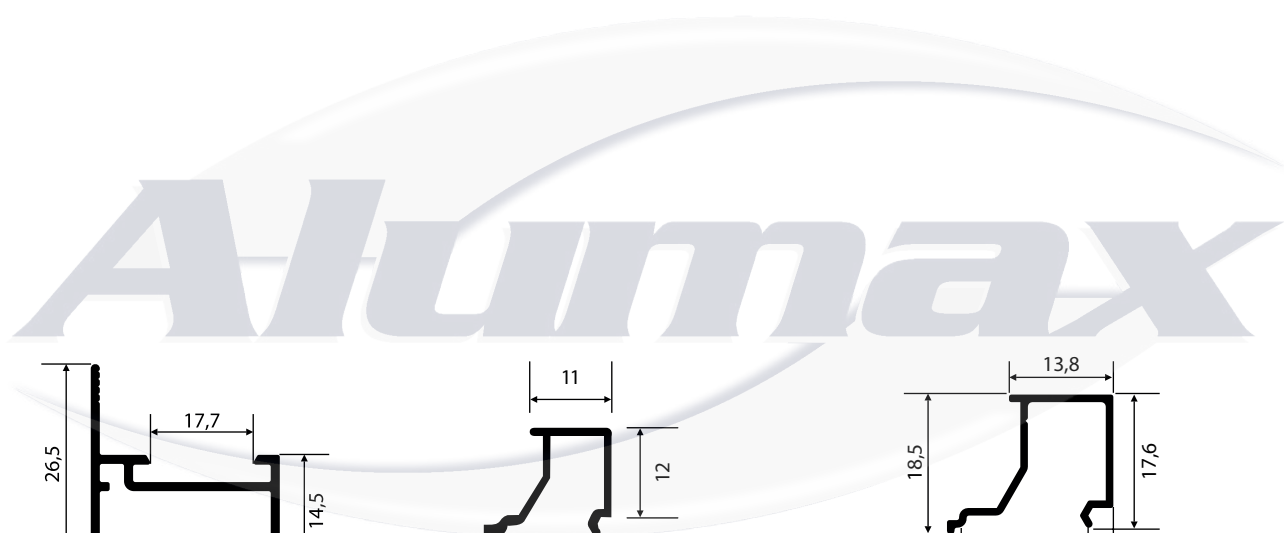
1,009 Kg/m



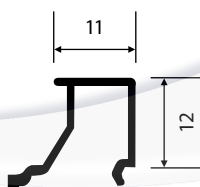
SU-186
0,507 Kg/m



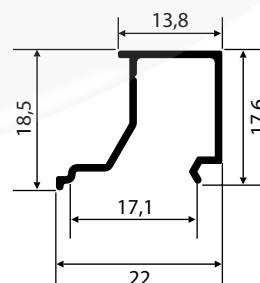
SU-188
0,591 Kg/m



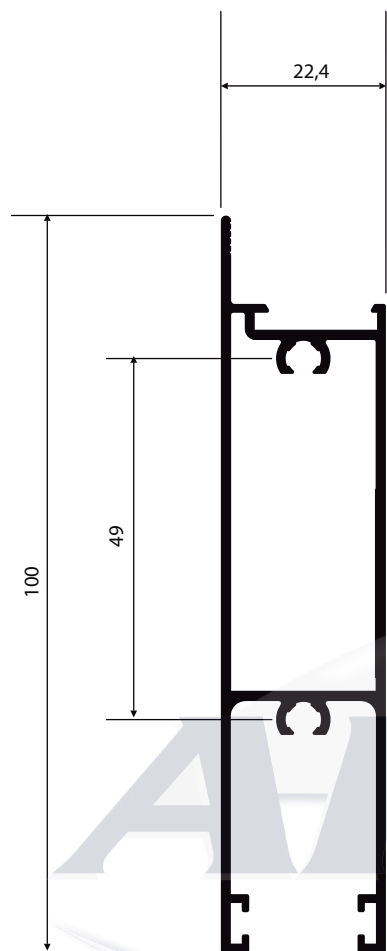
SU-096
0,309 Kg/m



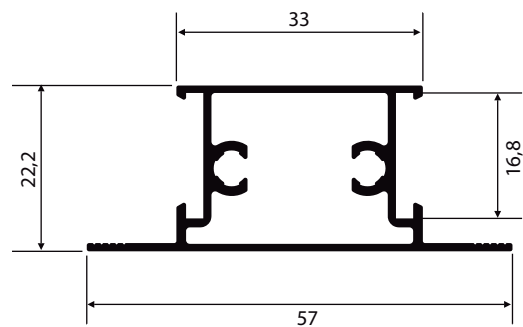
SU-102
0,110 Kg/m



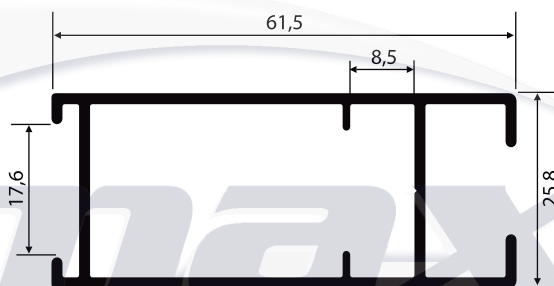
SU-103
0,154 Kg/m



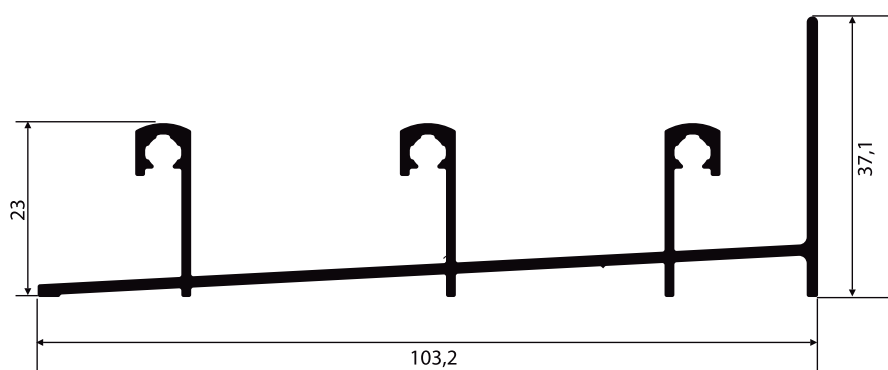
SU-225
1,003 Kg/m



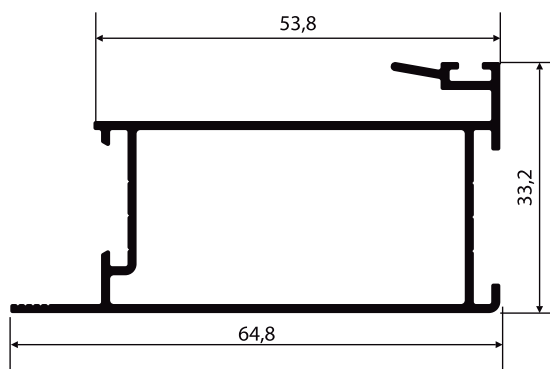
SU-227
0,504 Kg/m



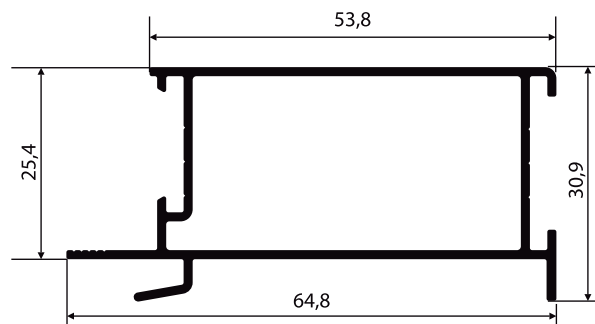
SU-241
0,743 Kg/m



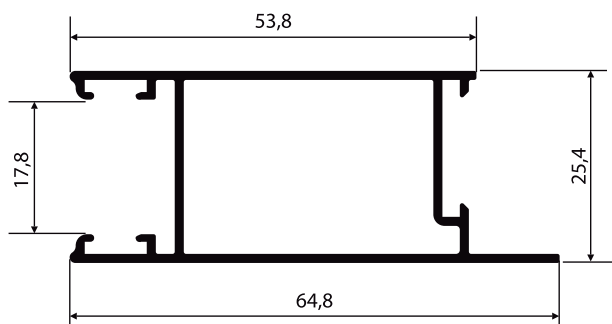
SU-230
0,955 Kg/m



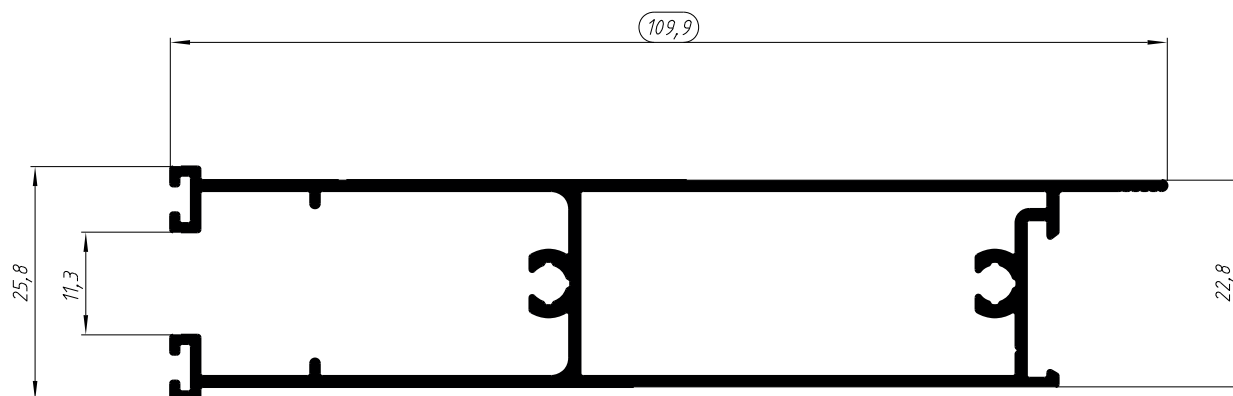
SU-242
0,657 Kg/m



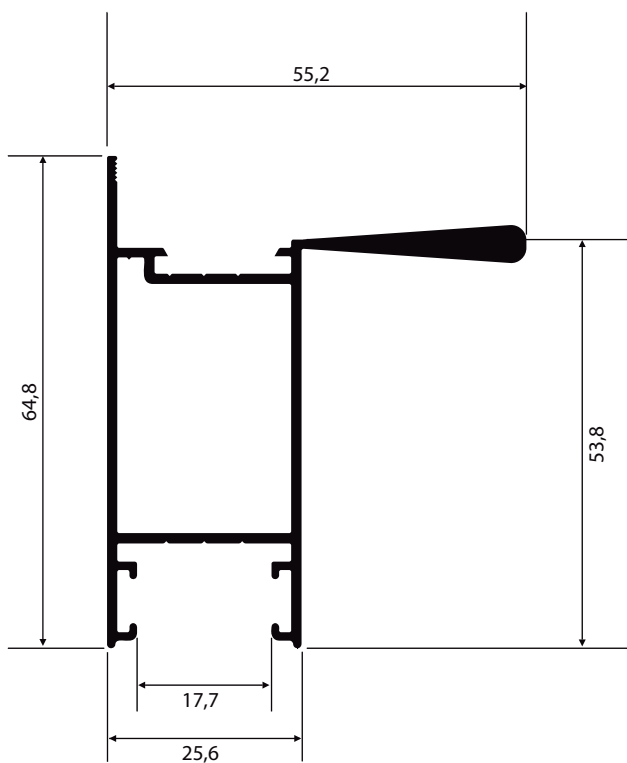
SU-243
0,628 Kg/m



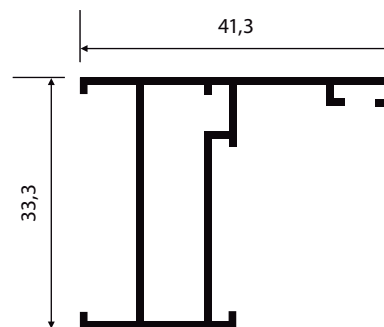
SU-245
0,601 Kg/m



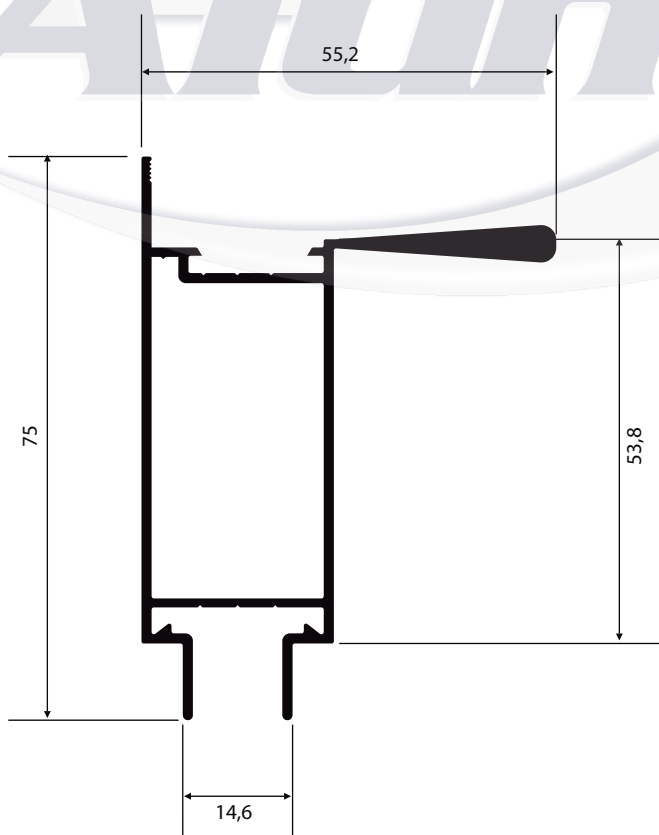
NI-2183A
0,978 Kg/m



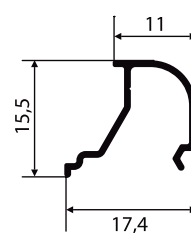
SU-280
0,913 Kg/m



SU-279
0,545 Kg/m

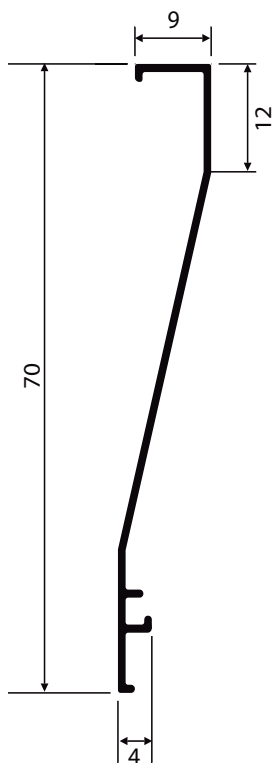


SU-281
0,986 Kg/m

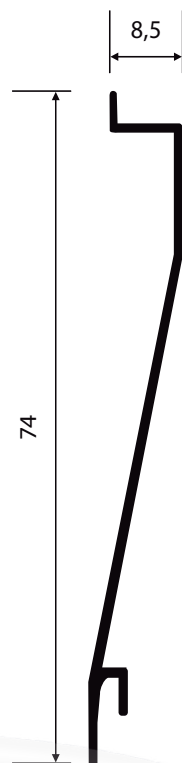


NI-943
0,104 Kg/m

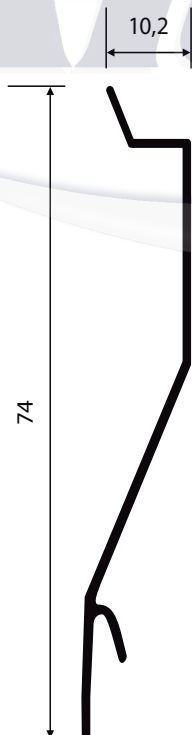
PALHETA



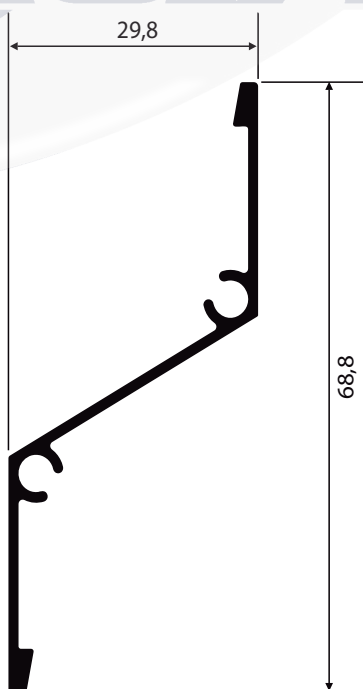
NI-570
0,213 Kg/m



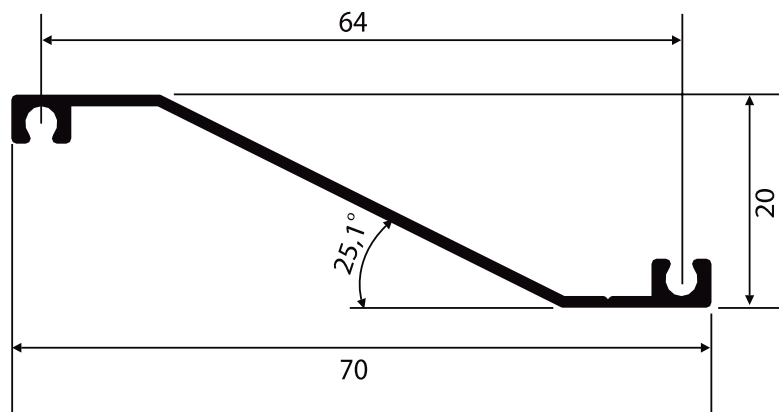
VZ-024
0,271 Kg/m



VZ-051
0,269 Kg/m

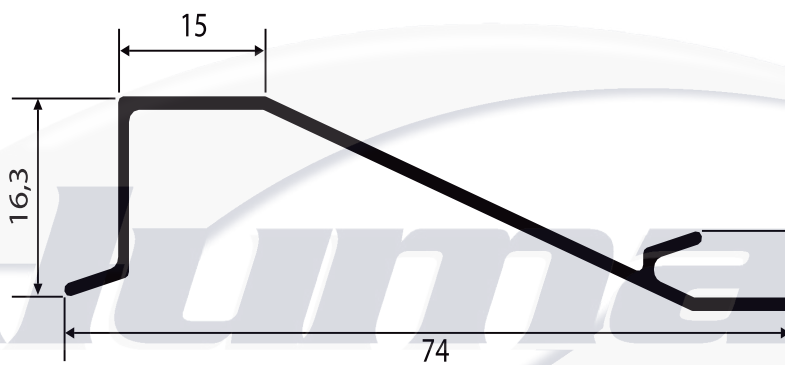


VZ-060
0,369 Kg/m



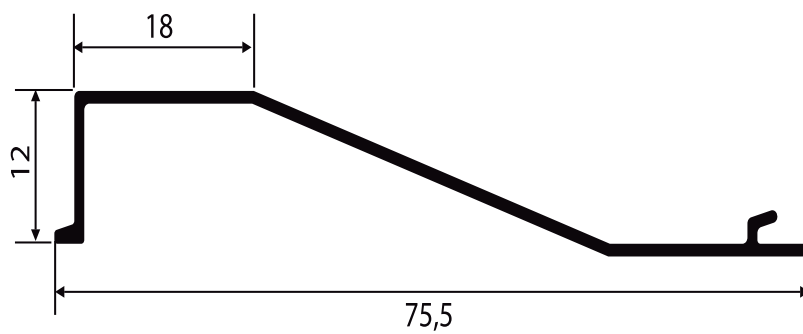
NI-756

0,284 Kg/m



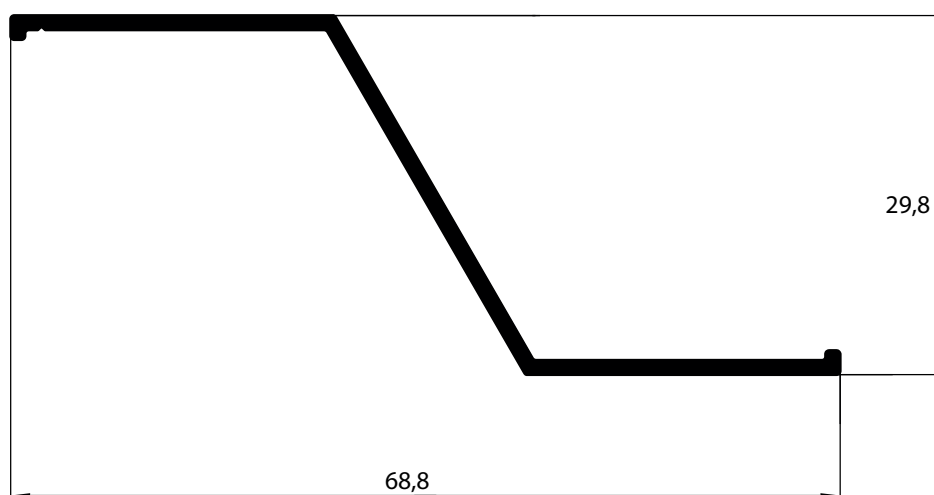
VZ-023

0,293 Kg/m

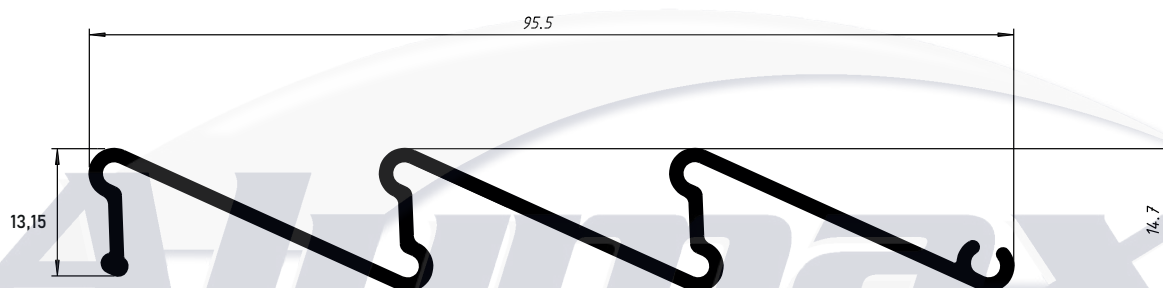


Z-169A

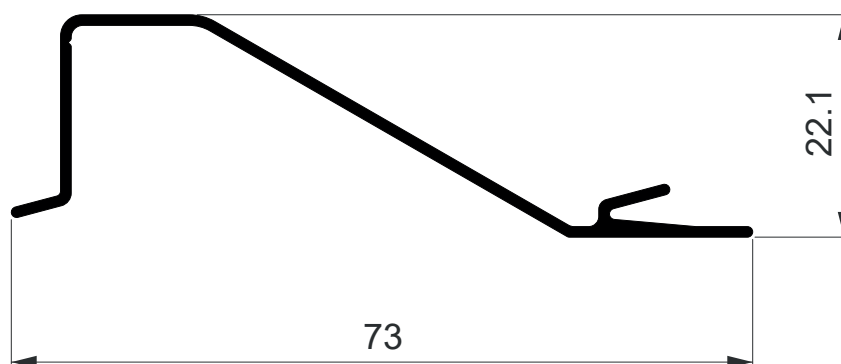
0,252 Kg/m



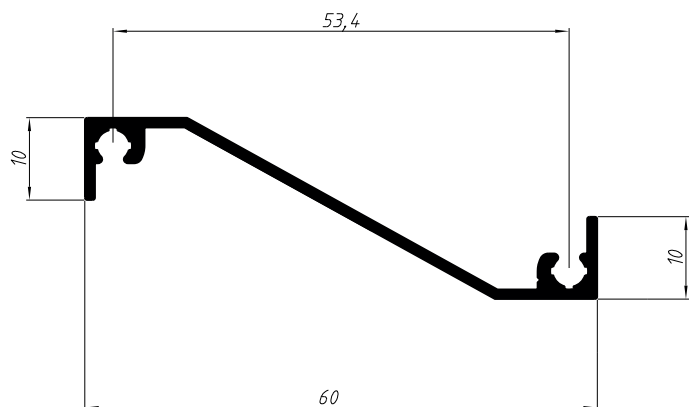
VZ-060A
0,282 Kg/m



NI-947
0,559 Kg/m

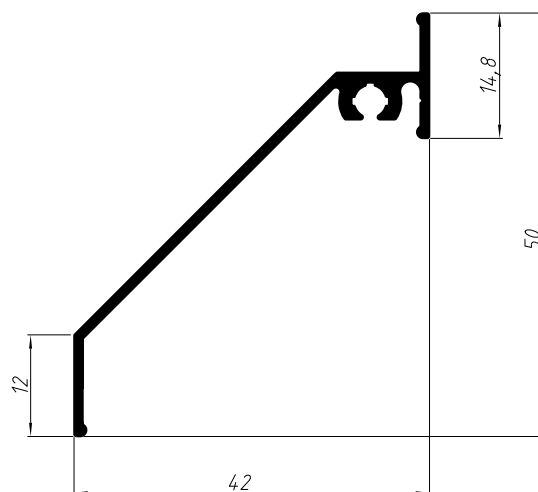


NI-2297
0,305 Kg/m



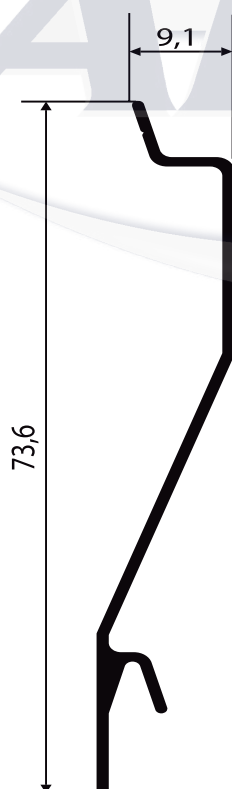
Z-073

0,331 Kg/m



Z-248

0,293 Kg/m



Z-201A

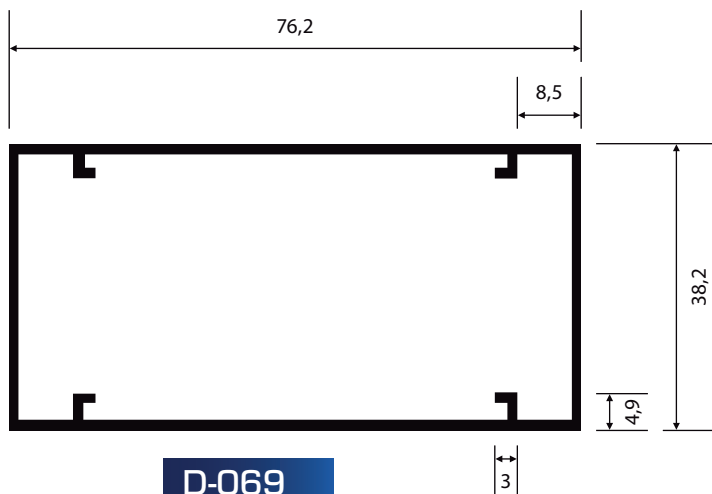
0,253 Kg/m



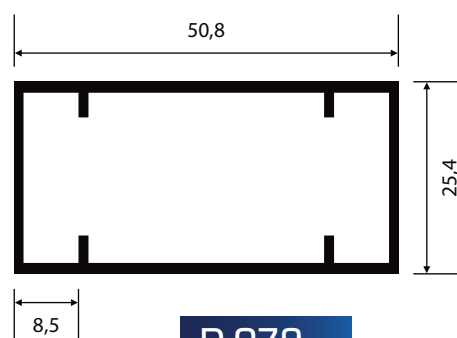
Z-203

0,296 Kg/m

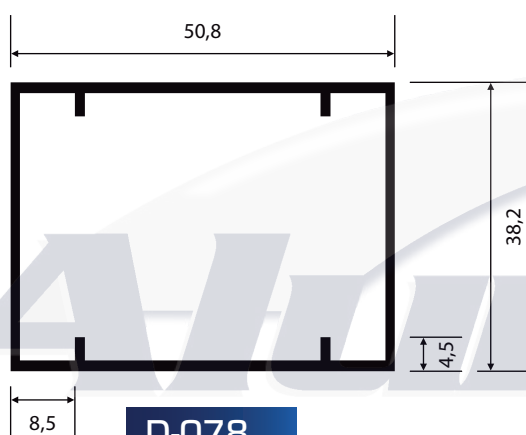
LINHA PORTÃO



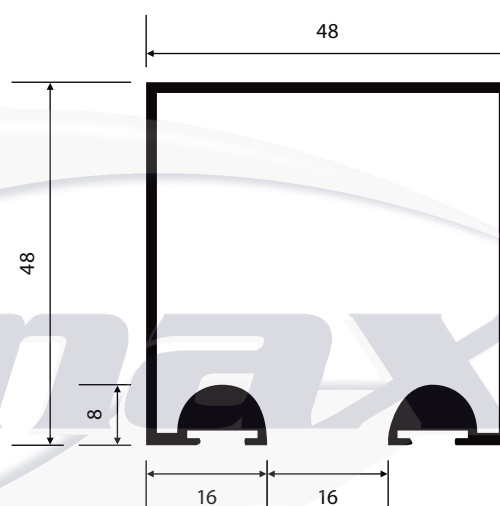
D-069
0,954 Kg/m



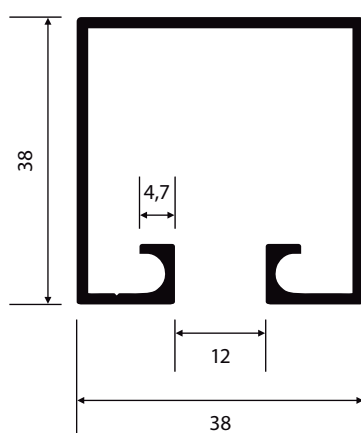
D-079
0,562 Kg/m



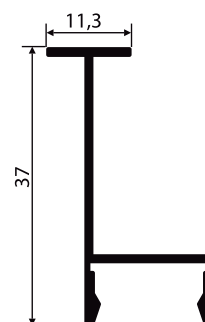
D-078
0,653 Kg/m



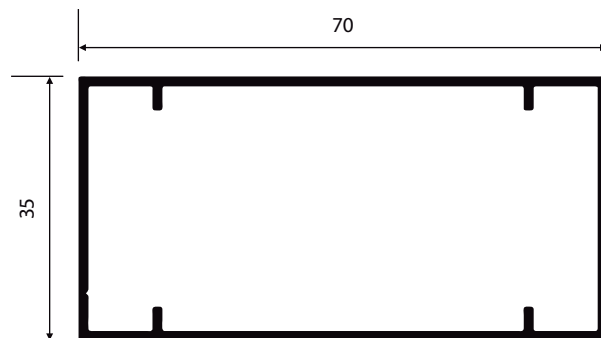
NI-003
1,351 Kg/m



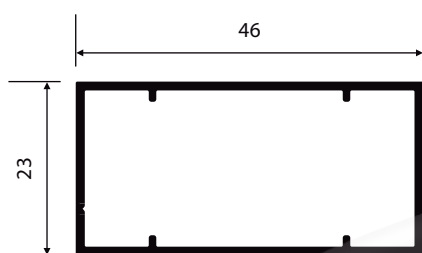
NI-116
0,631 Kg/m



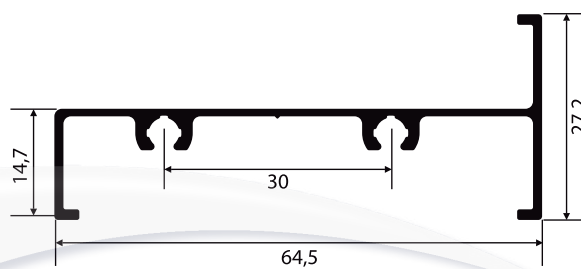
NI-019
0,247 Kg/m



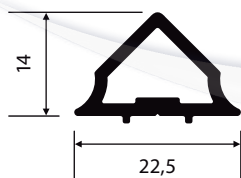
NI-263
0,767 Kg/m



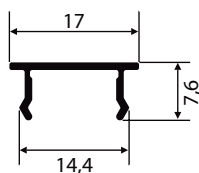
NI-262
0,450 Kg/m



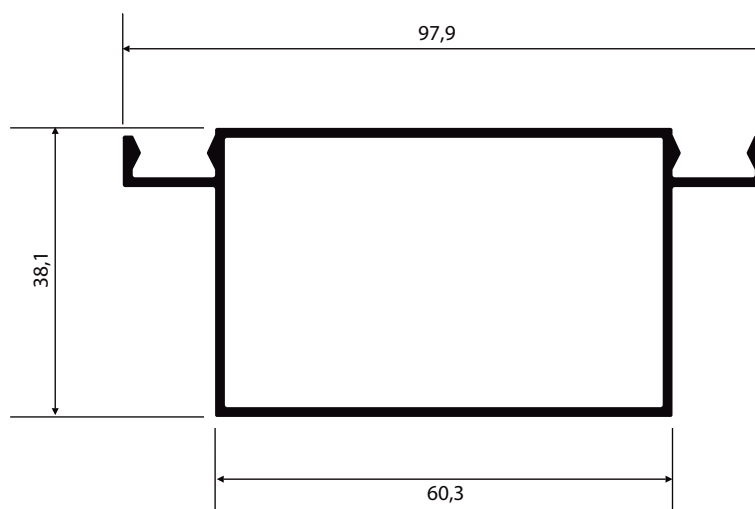
NI-310
0,430 Kg/m



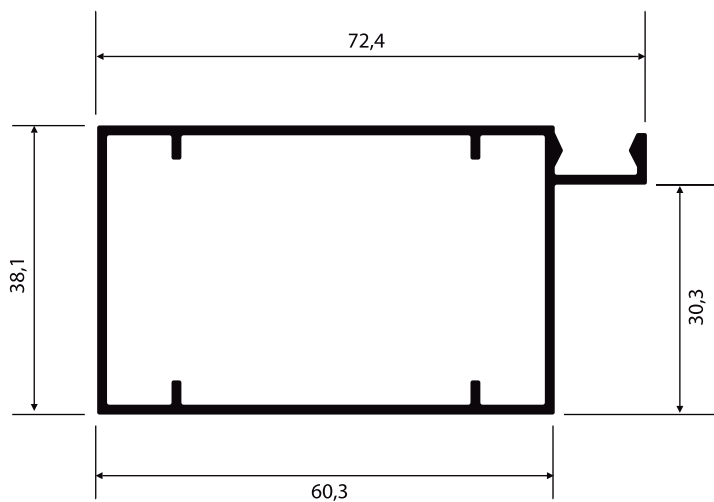
NI-460
0,255 Kg/m



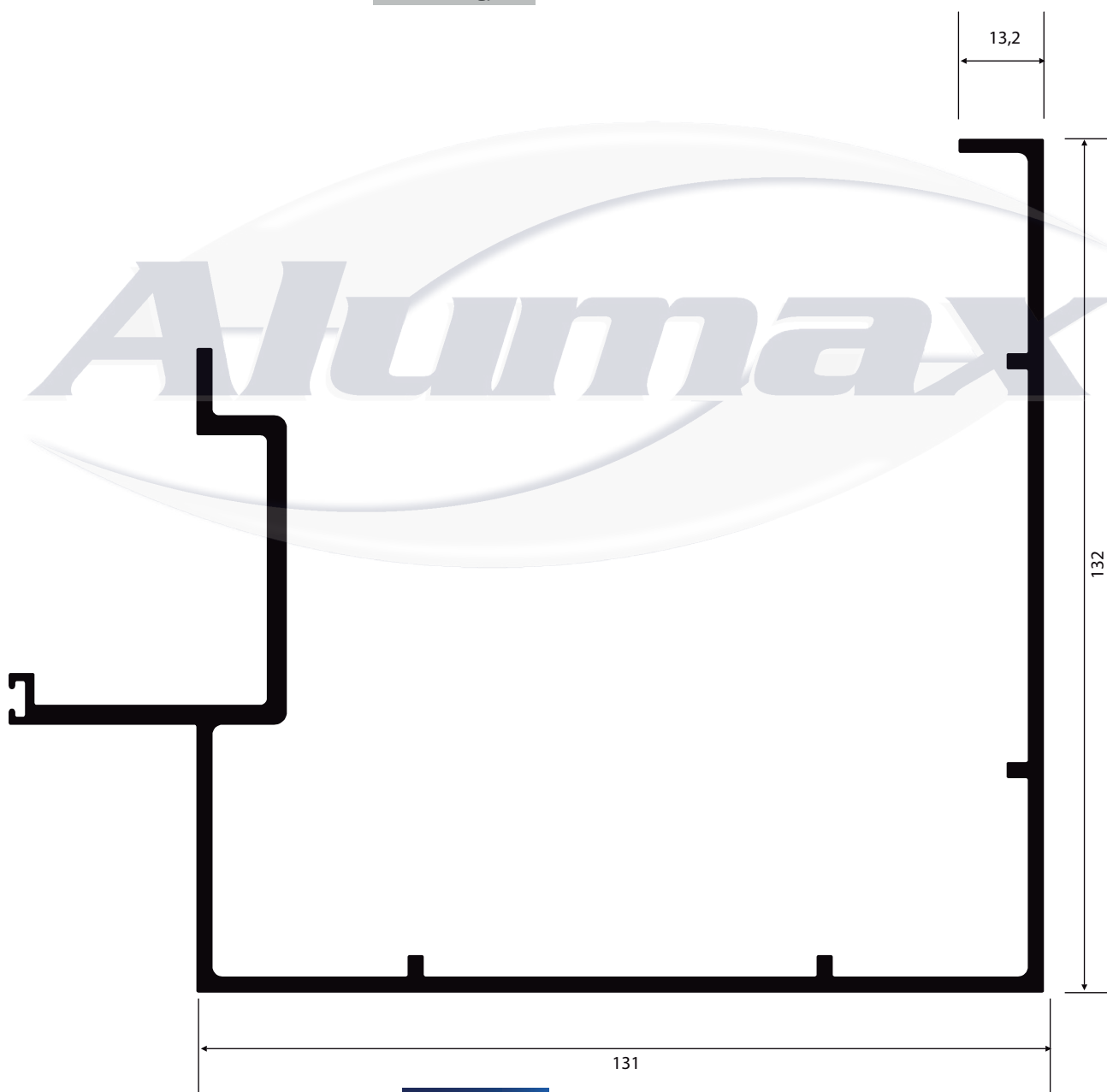
NI-665
0,081 Kg/m



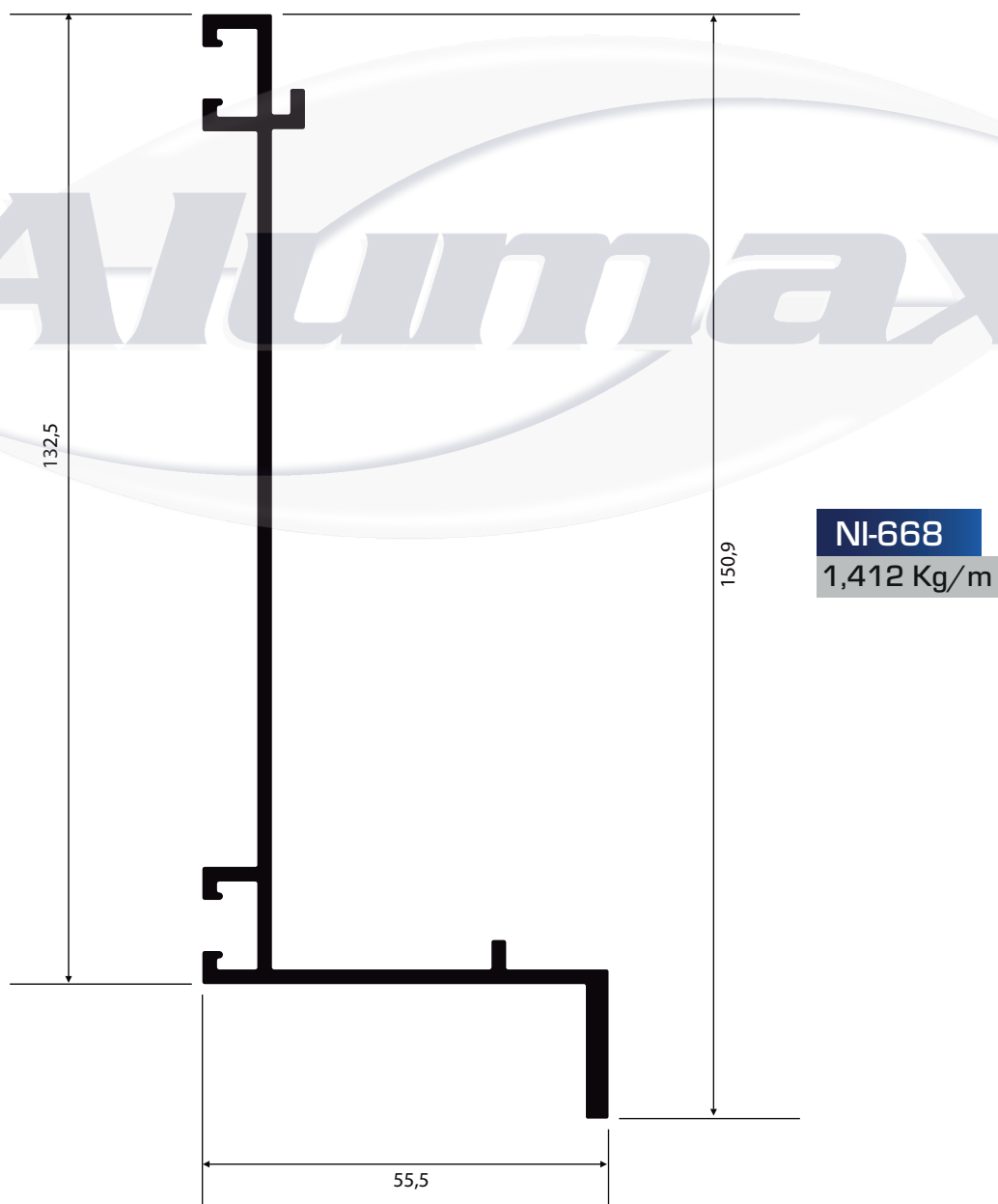
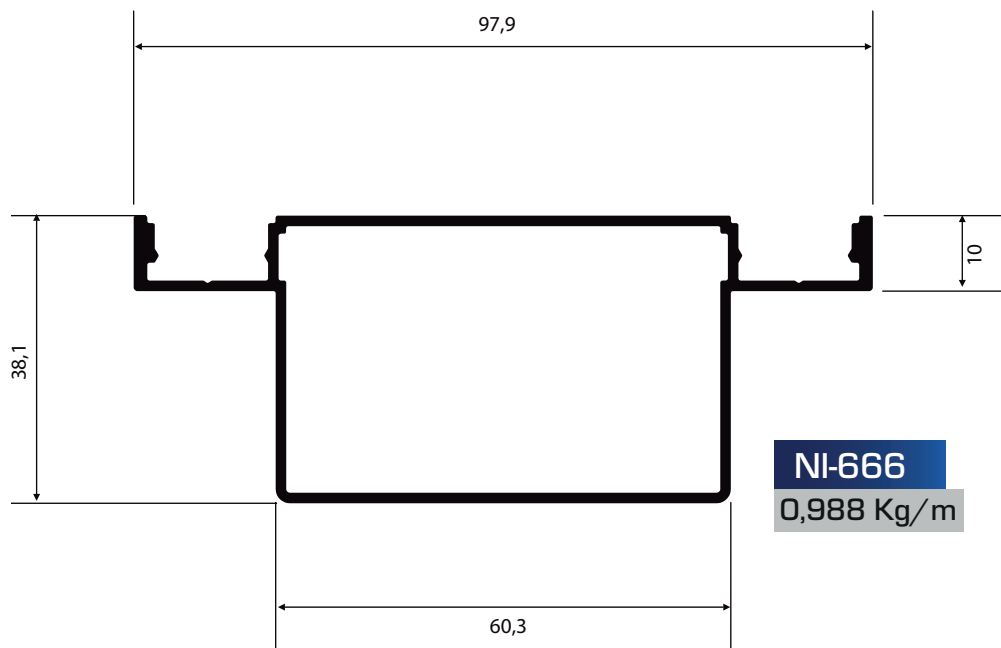
NI-666
0,988 Kg/m



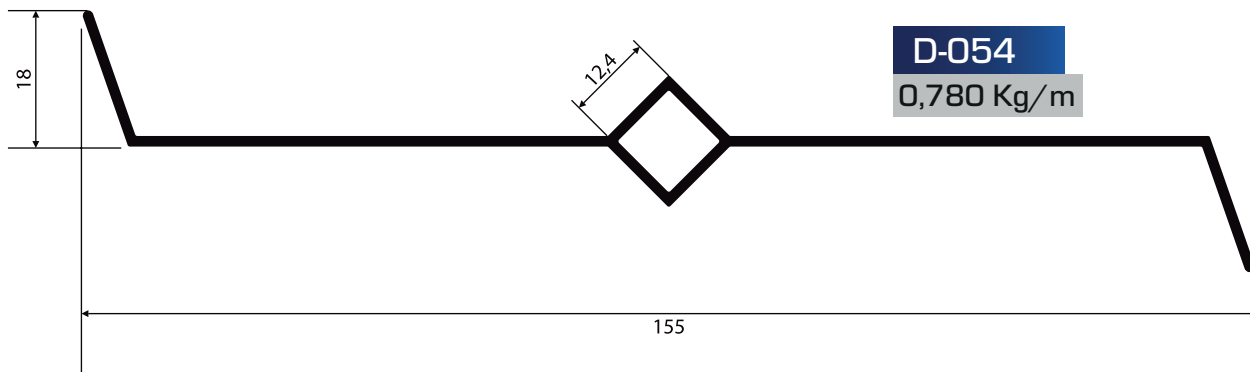
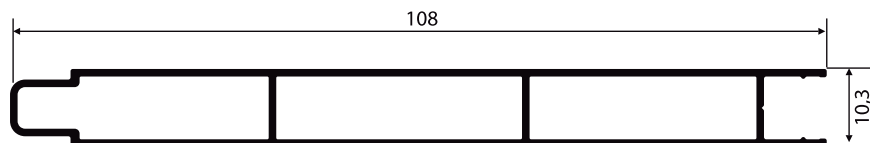
NI-405
0,795 Kg/m



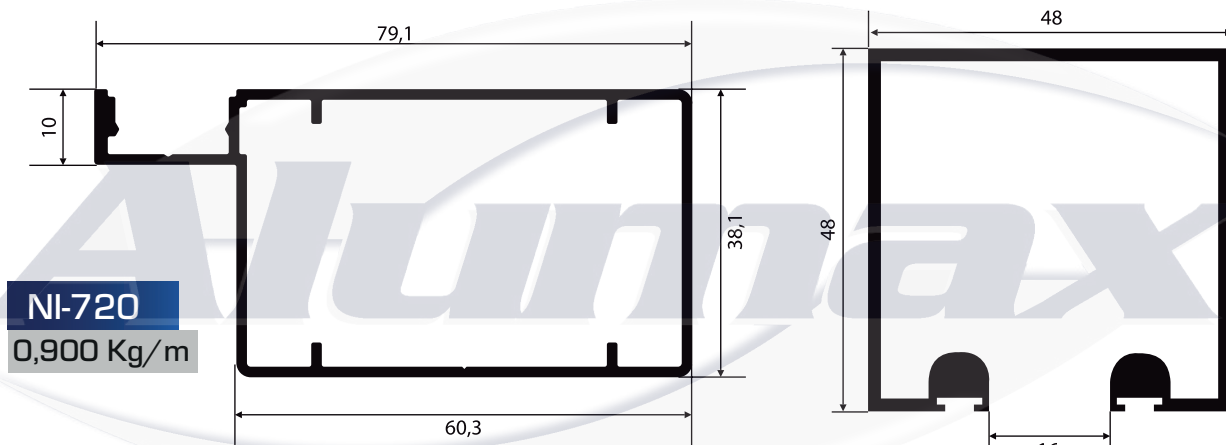
NI-667
3,104 Kg/m



NI-767
0,793 Kg/m

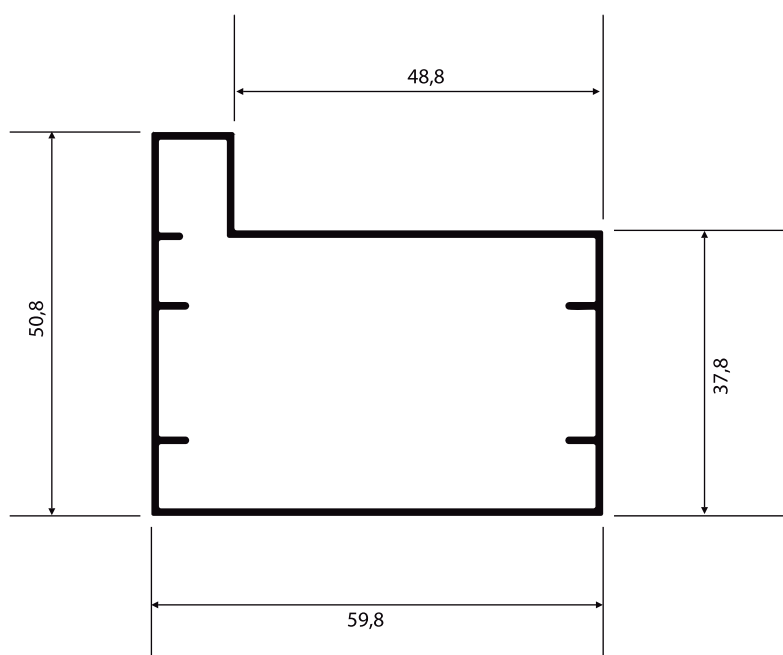


D-054
0,780 Kg/m

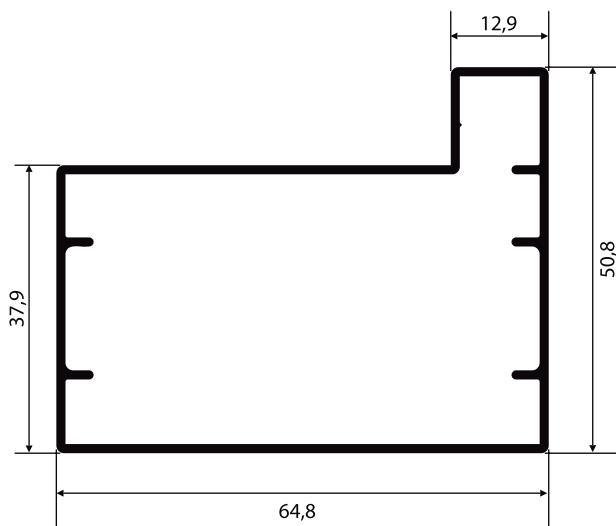


NI-720
0,900 Kg/m

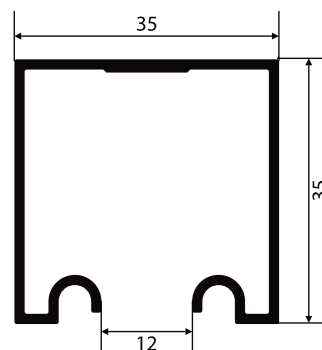
NI-1020
0,963 Kg/m



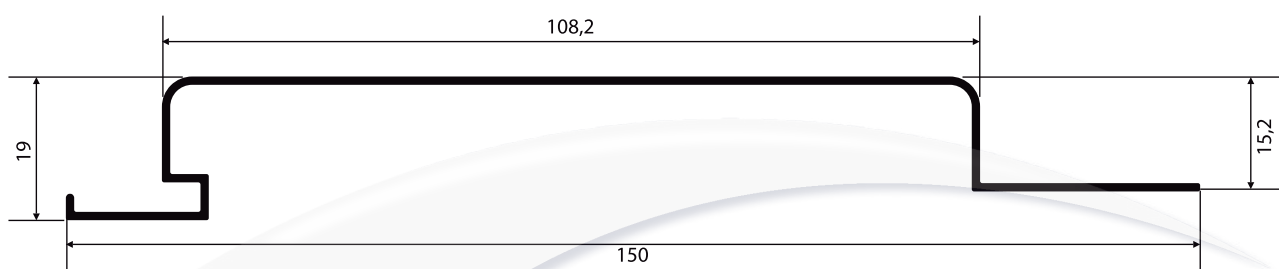
PC-026
0,685 Kg/m



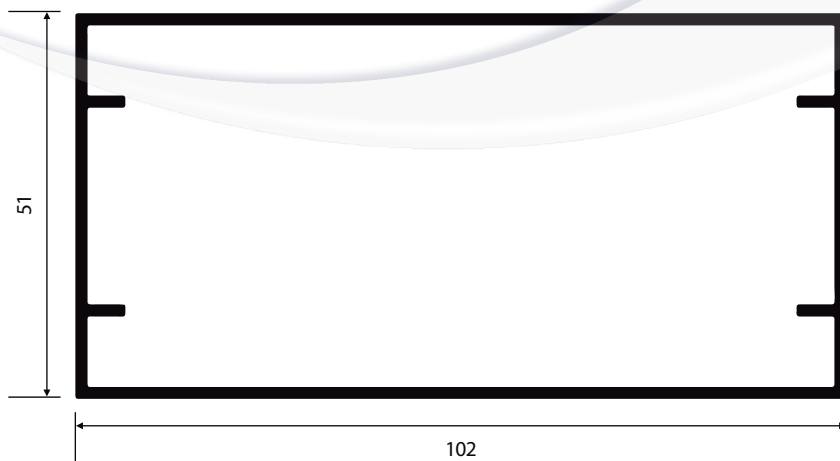
PC-027MA
0,729 Kg/m



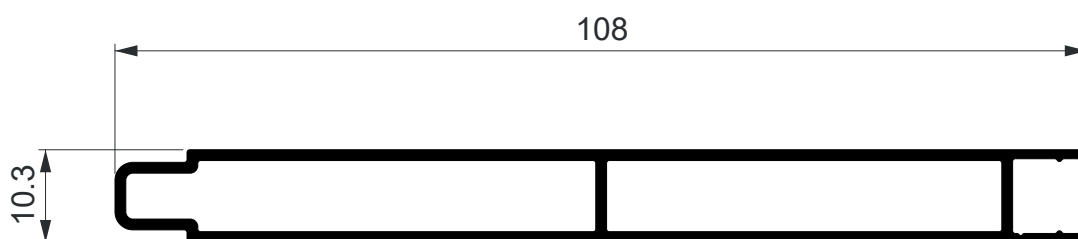
NI-047
0,507 Kg/m



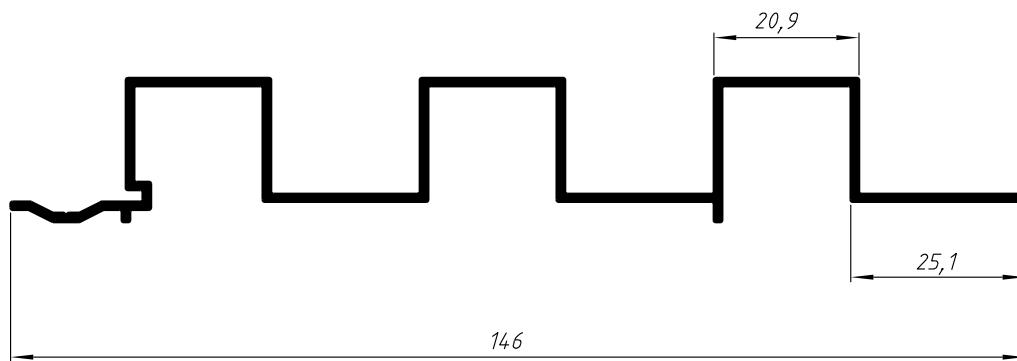
NI-1010
0,571 Kg/m



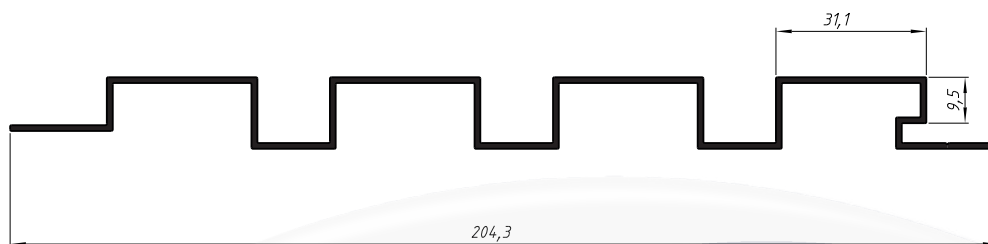
TUB-4598
1,385 Kg/m



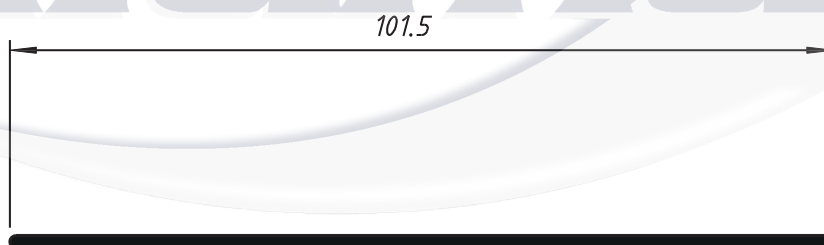
NI-2293
0,767Kg/m



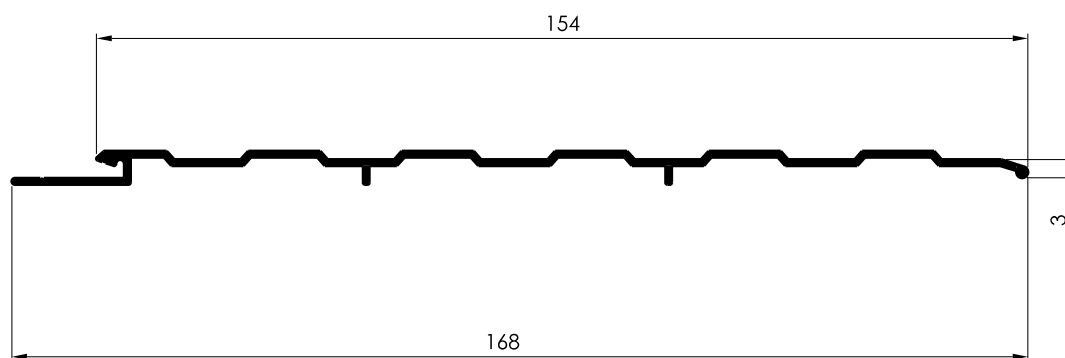
NI-2079
0,858 Kg/m



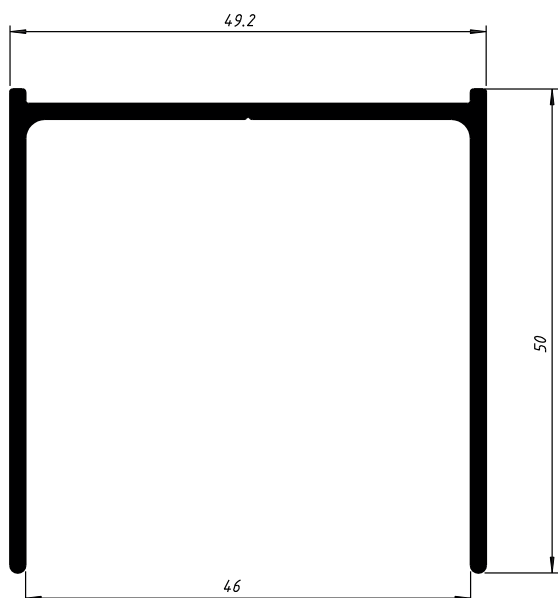
NI-2078
1,046 Kg/m



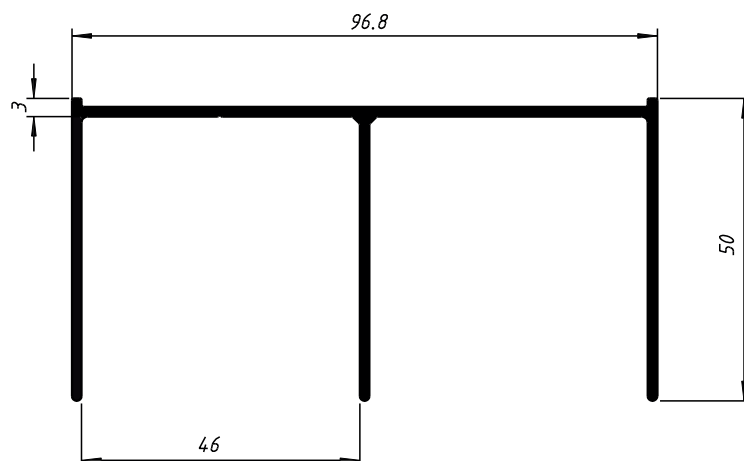
NI-018
0,411 Kg/m



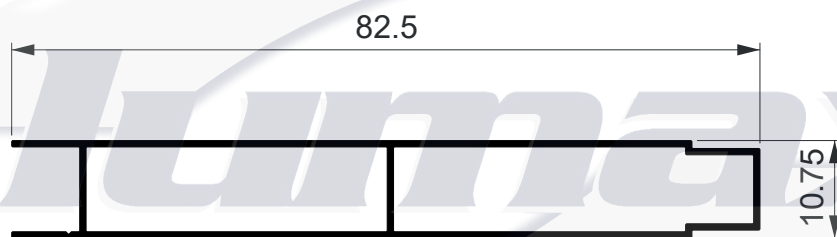
Y-429L
0,526 Kg/m



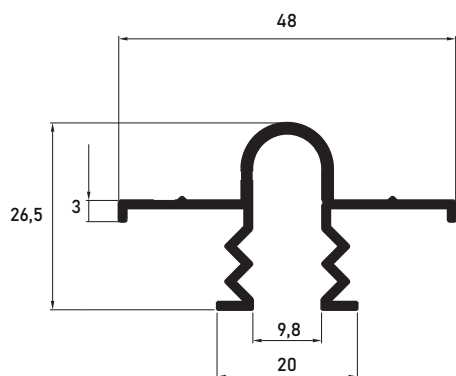
NI-983
0,636 Kg/m



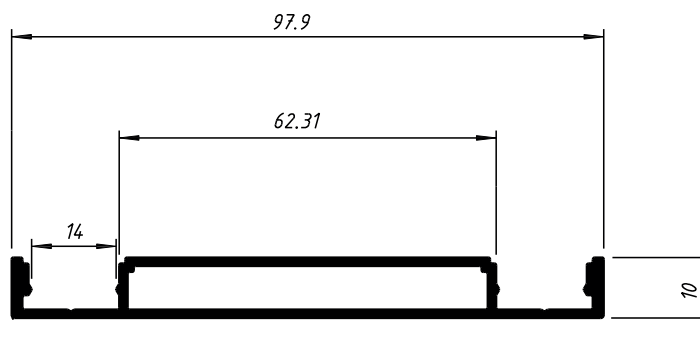
E-363
1,046 Kg/m



NI-2271
1,465 Kg/m

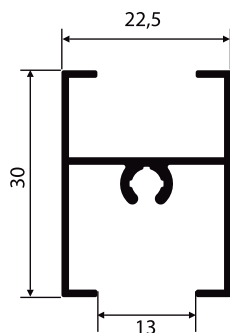


E-364
0,371 Kg/m

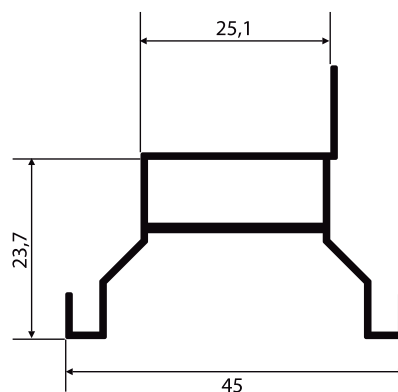


NI-1002
0,779 Kg/m

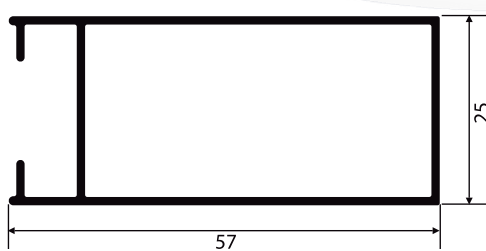
**PORTA
PADRONIZADA 90°**



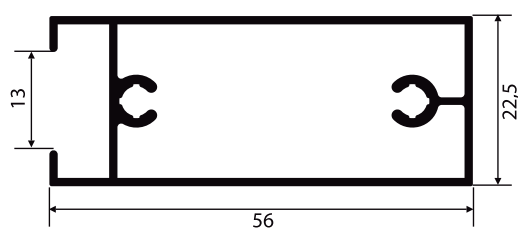
NI-009
0,308 Kg/m



NI-013
0,349 Kg/m



NI-011
0,503 Kg/m



NI-012
0,593 Kg/m

LAMBRIL



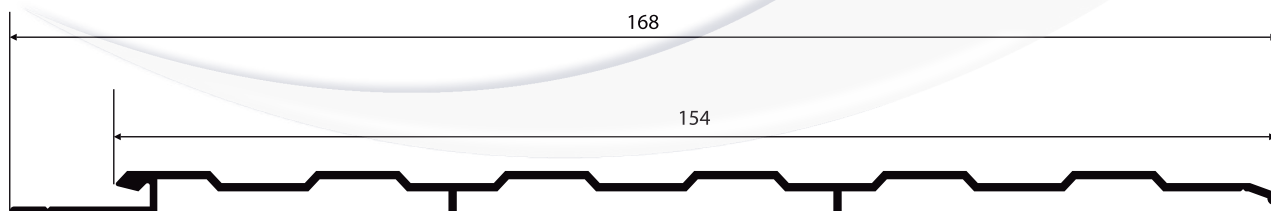
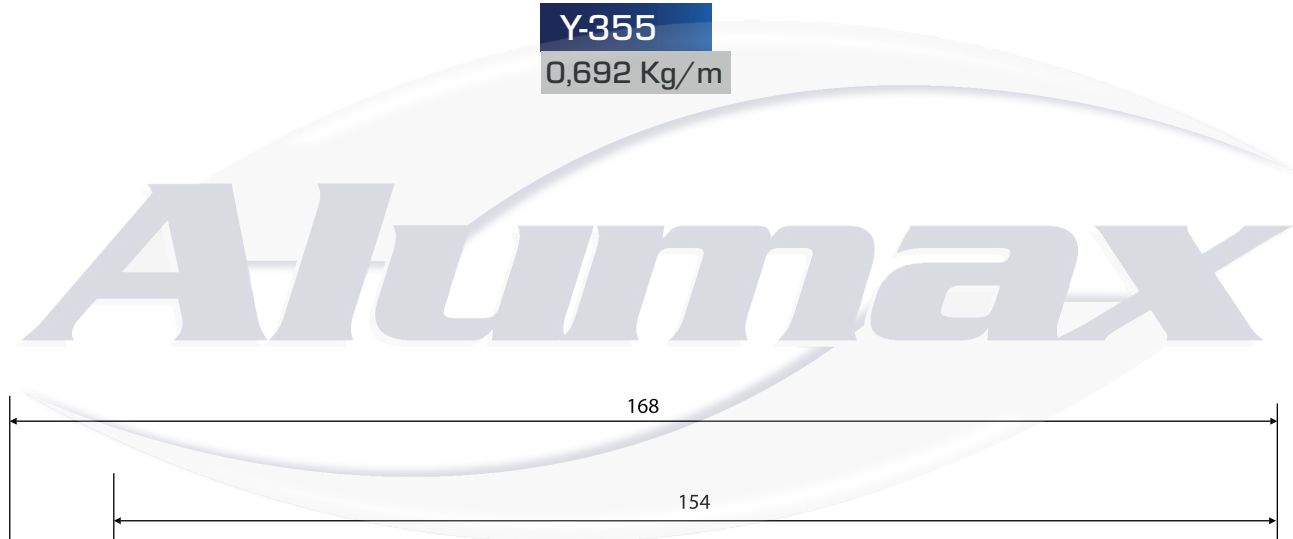
Y-335

0,717 Kg/m



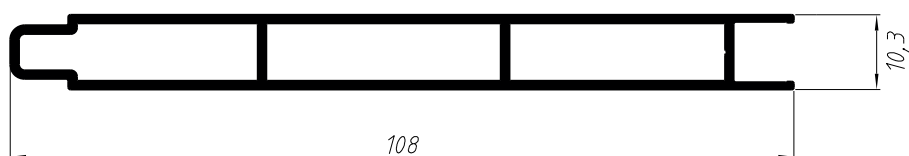
Y-355

0,692 Kg/m



Y-429MA

0,580 Kg/m

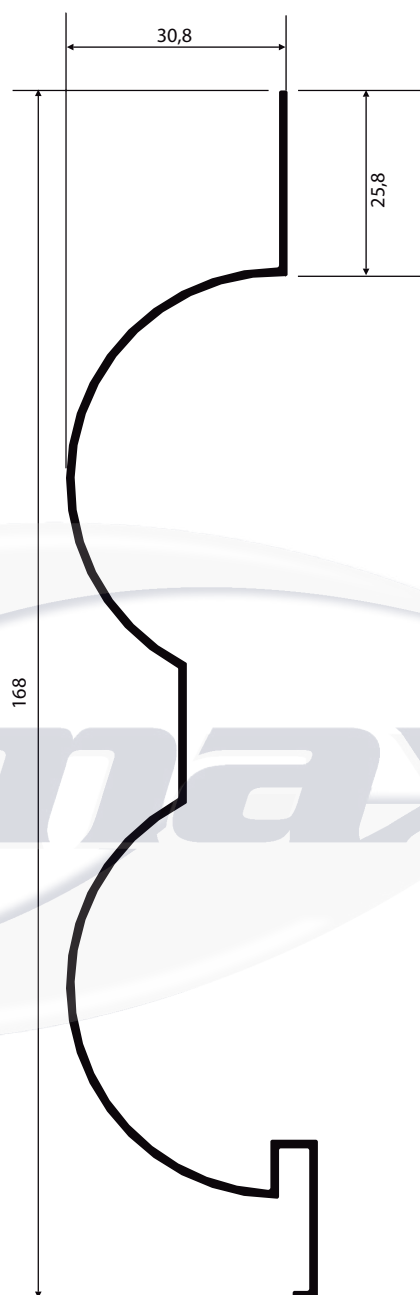


NI-2100

0,791 Kg/m



LB-069
0,724 Kg/m



LB-070
0,763 Kg/m



LB-072
0,656 Kg/m



LB-077
0,638 Kg/m

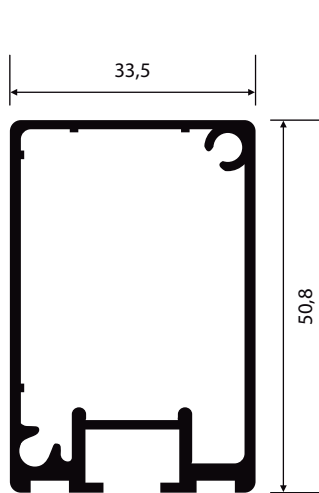


NI-109
0,739 Kg/m

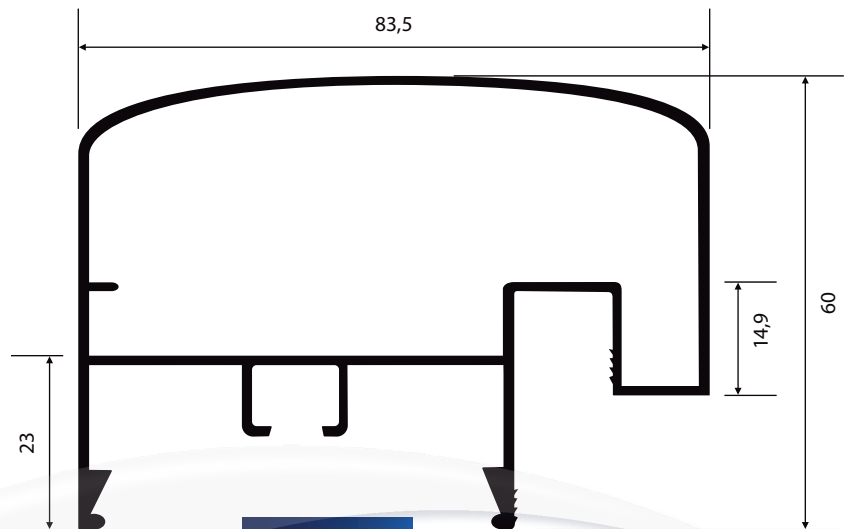


NI-110
0,668 Kg/m

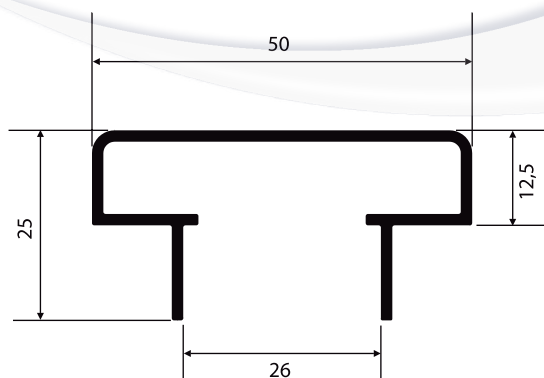
GRADIL E CORRIMÃO



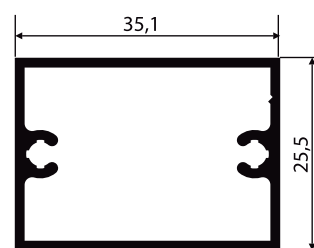
CG-077
0,723 Kg/m



CG-083
1,332 Kg/m



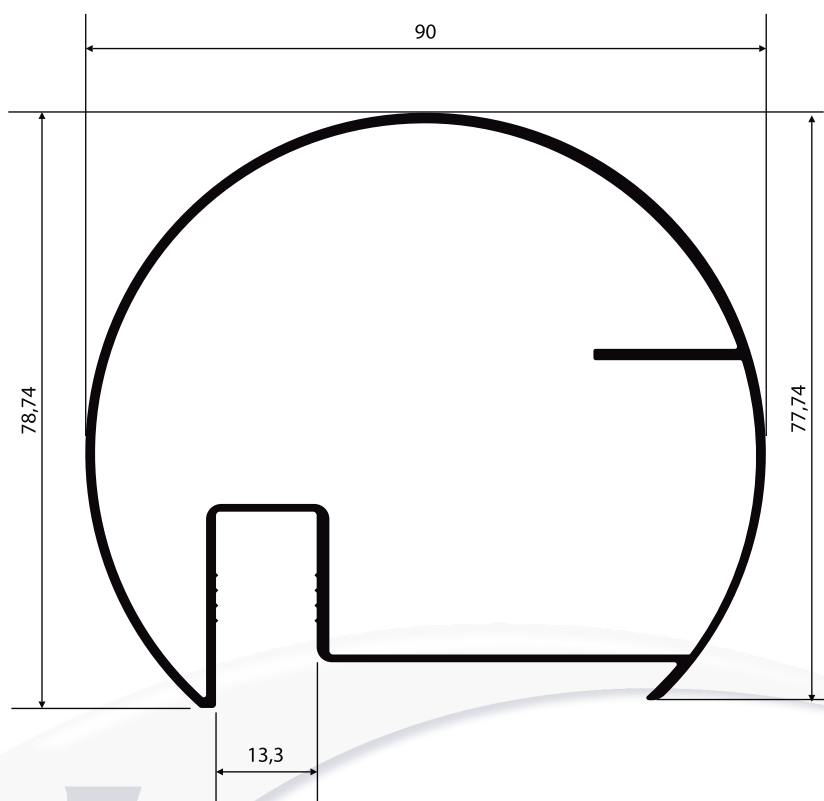
CG-731
0,487 Kg/m



D-055
0,561Kg/m

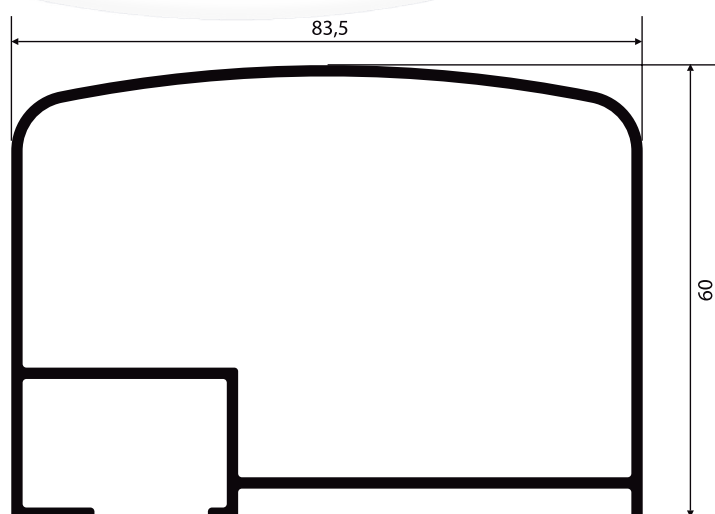
NI-1103

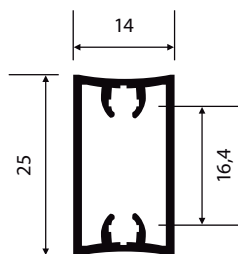
1,385 Kg/m



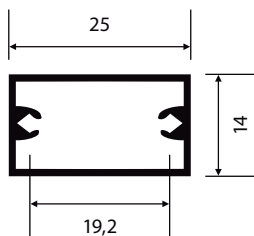
NI-046

1,218 Kg/m

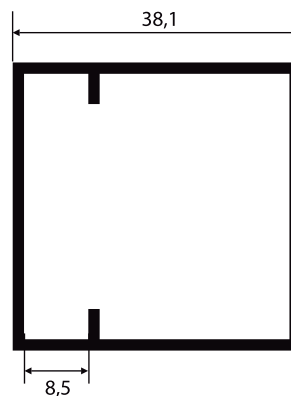




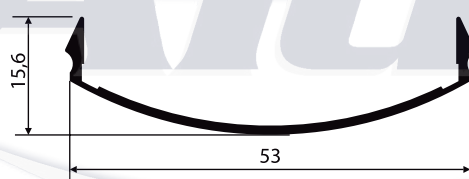
D-056
0,321 Kg/m



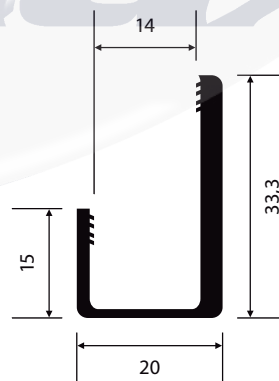
D-082
0,323 Kg/m



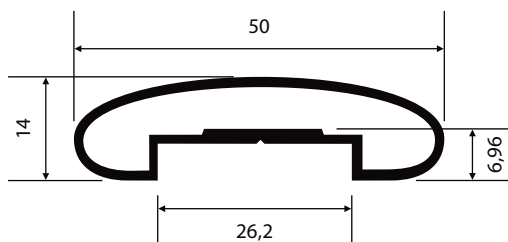
D-102
0,627 Kg/m



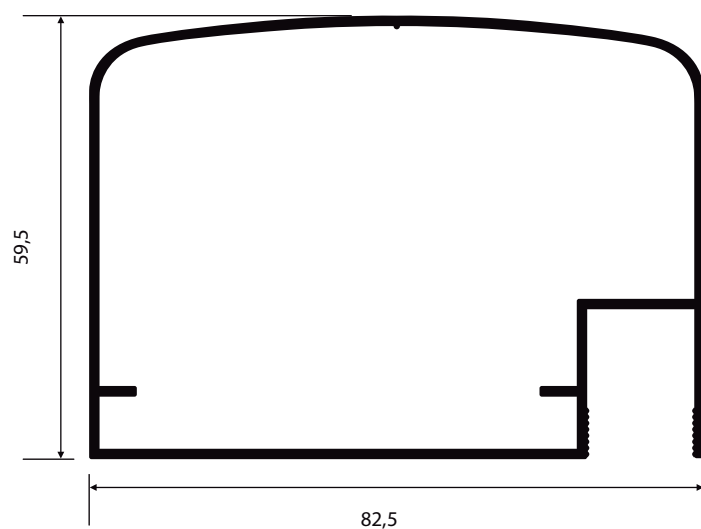
CG-074
0,239 Kg/m



CG-075
0,521 Kg/m

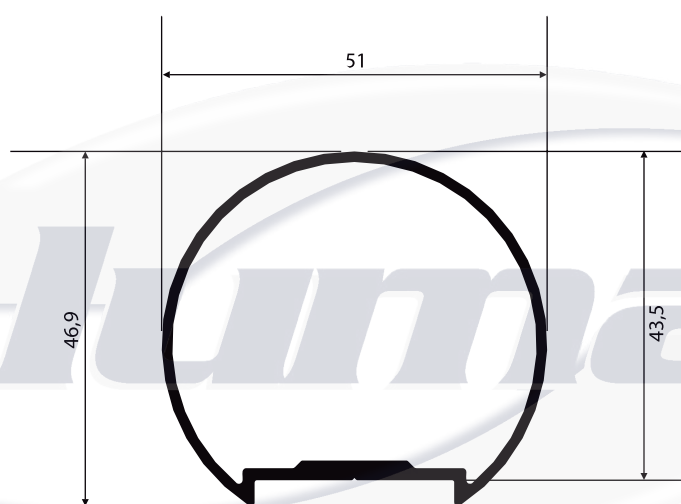


D-095
0,507 Kg/m



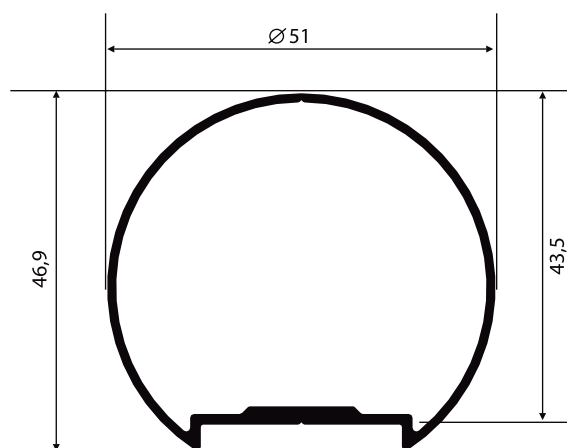
NI-409

1,131 Kg/m



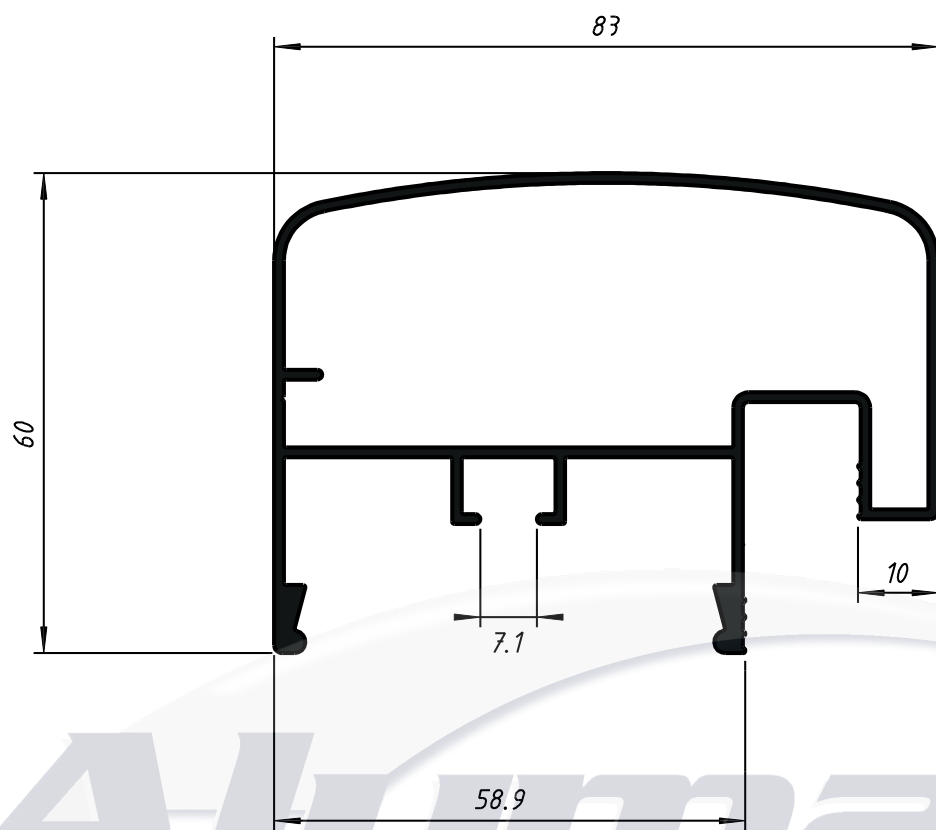
NI-680

0,668 Kg/m



NI-742

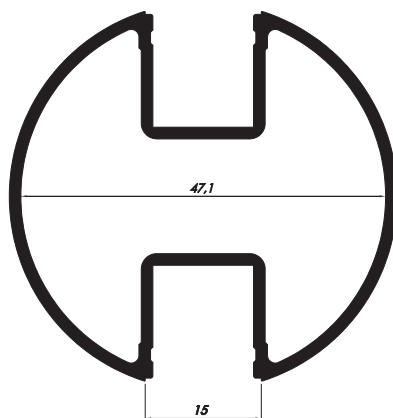
0,583 Kg/m

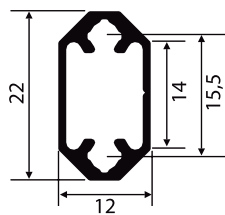


CG-083A

1,144 Kg/m

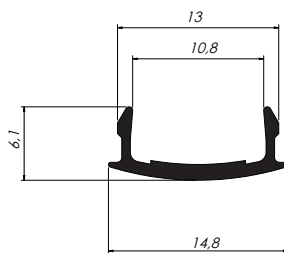
NI-1146
0,858 Kg/m





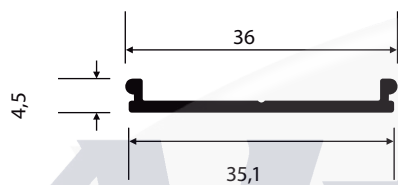
NI-761

0,229 Kg/m



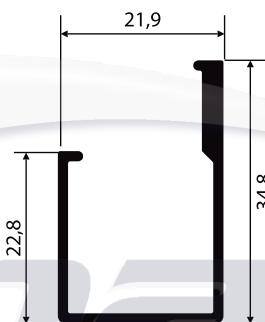
NI-1147

0,064Kg/m



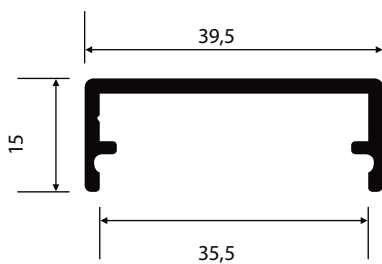
U-495

0,170 Kg/m



CG-0171

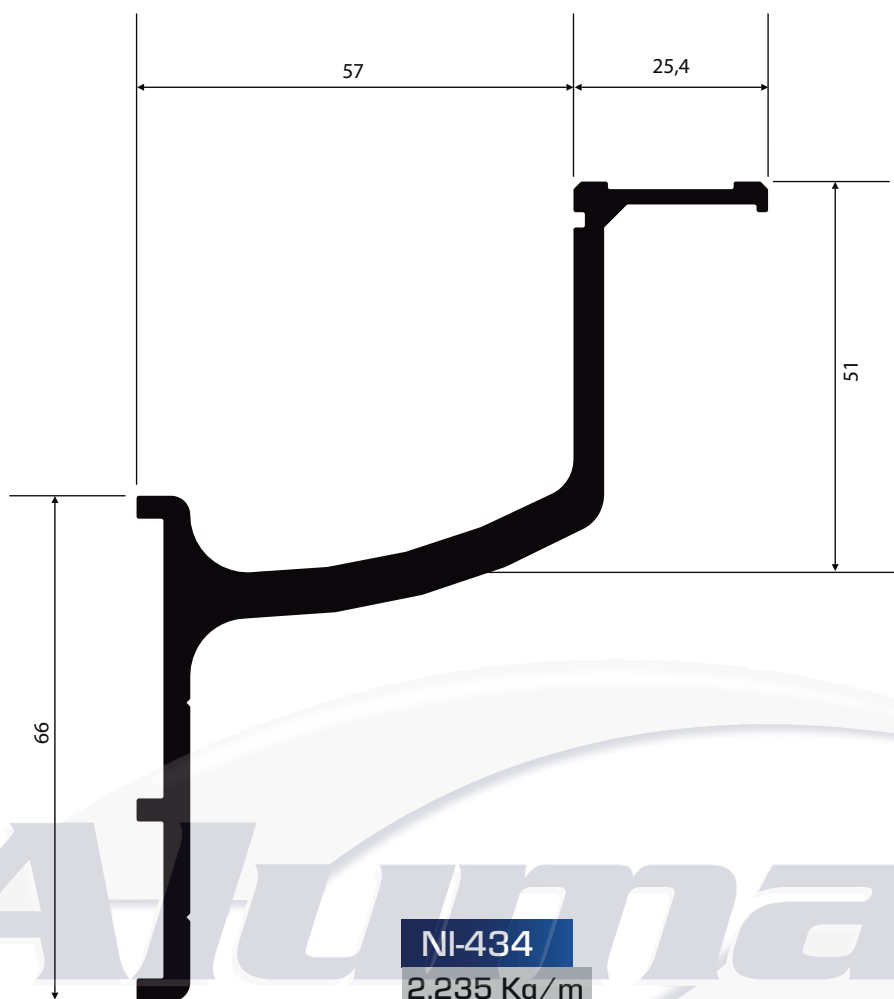
0,342 Kg/m



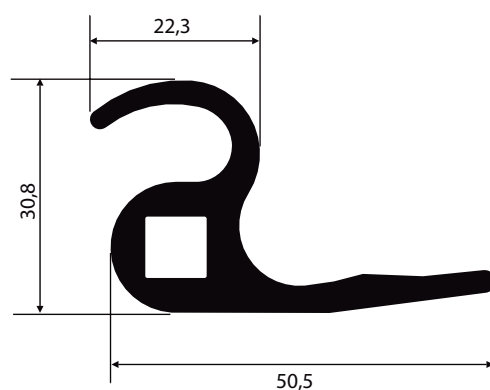
U-496

0,364 Kg/m

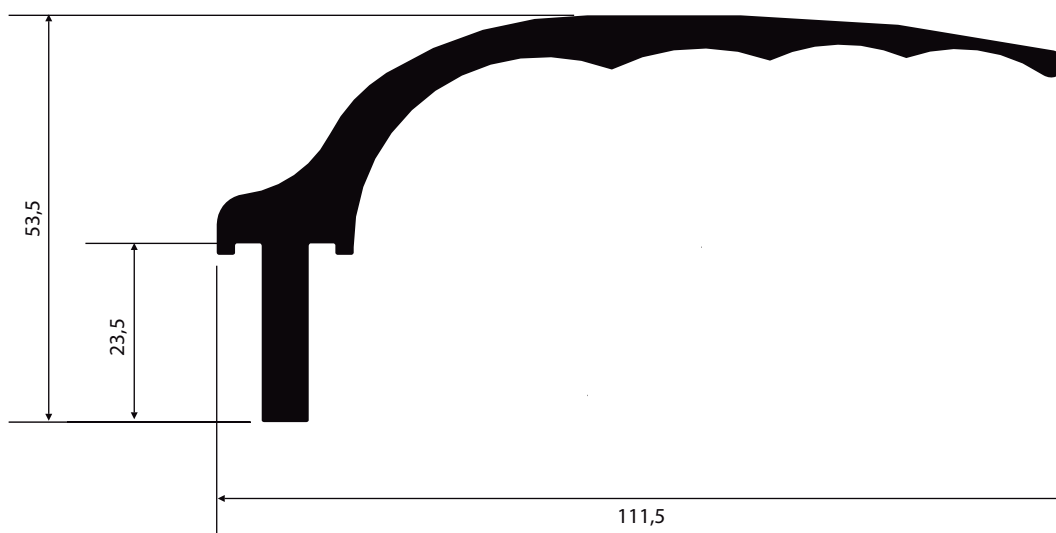
ACESSÓRIOS



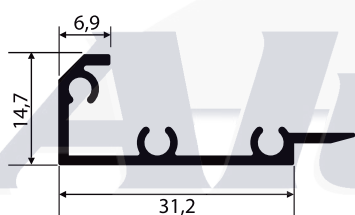
NI-434
2,235 Kg/m



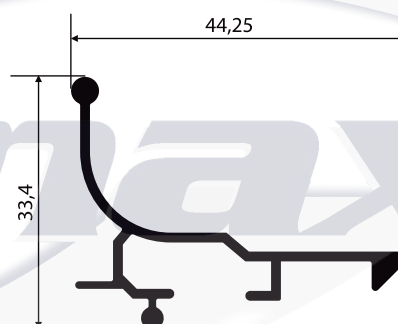
NI-448
1,180 Kg/m



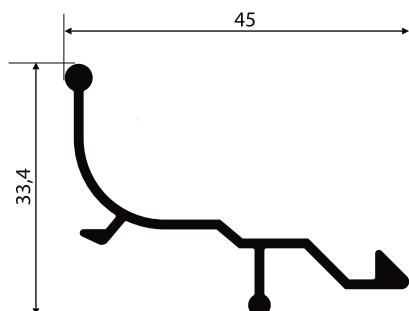
NI-478
2,114 Kg/m



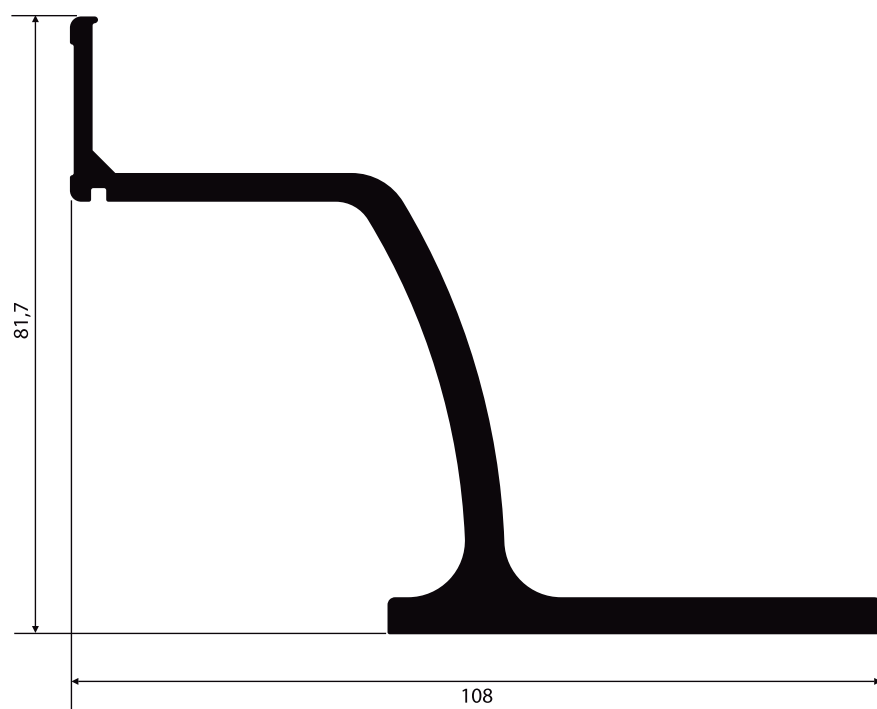
NI-842
0,268 Kg/m



NI-843
0,373 Kg/m



NI-844
0,332 Kg/m



NI-937

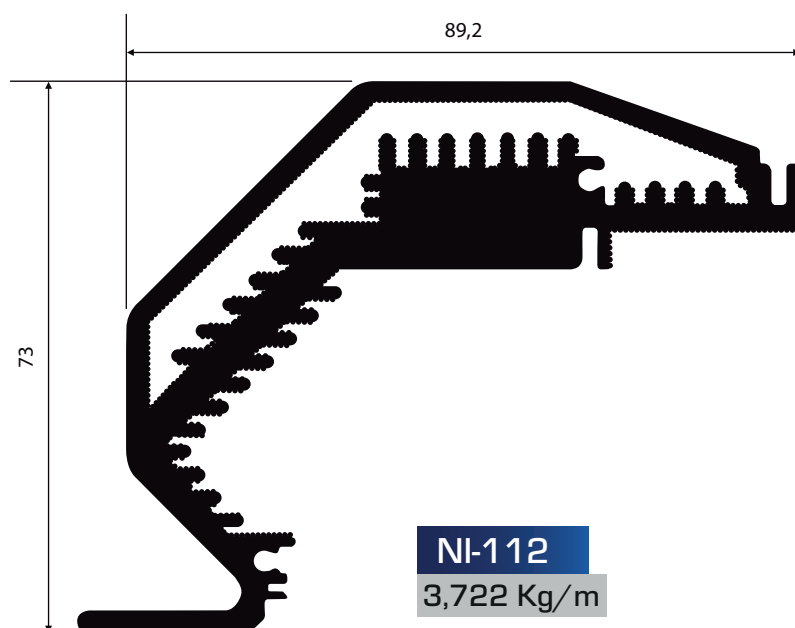
2,296 Kg/m

Alumax

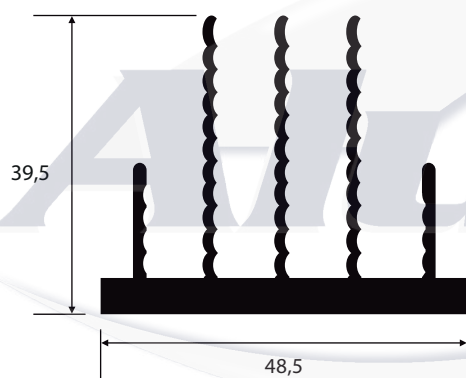


NI-938

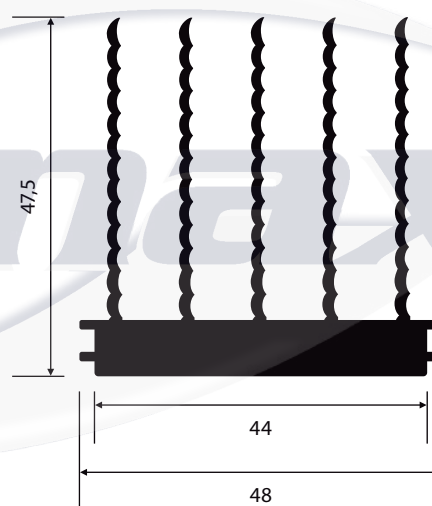
2,415 Kg/m



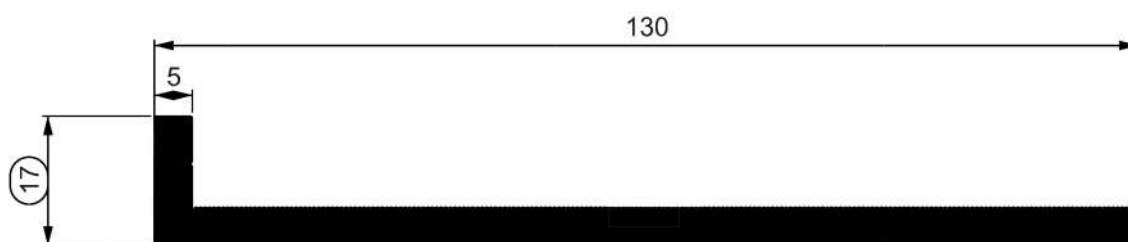
NI-112
3,722 Kg/m



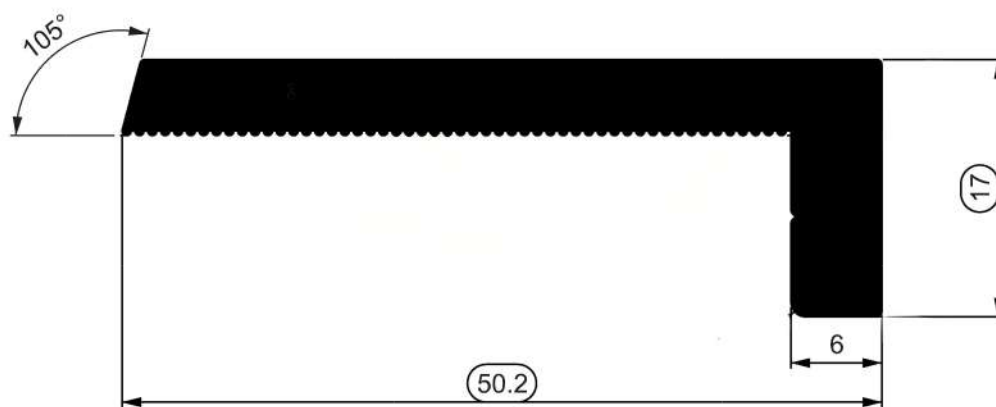
NI-068
1,158 Kg/m



NI-123
1,726 Kg/m

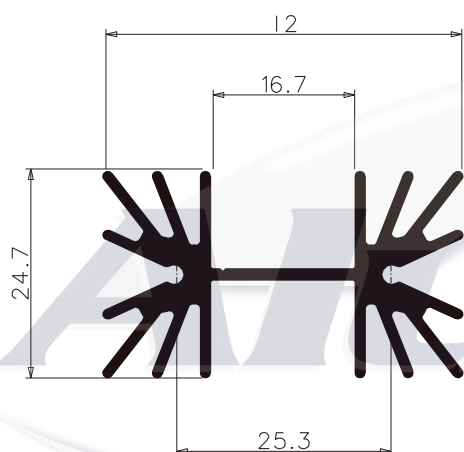


NI-2454
1,902 Kg/m



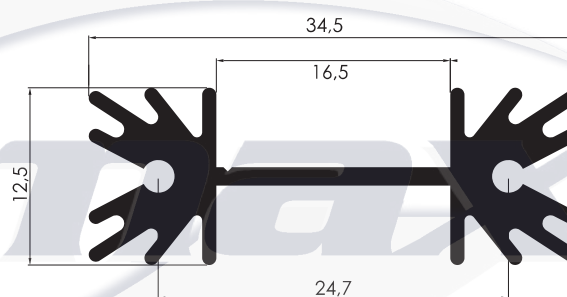
NI-2453

0,851 Kg/m



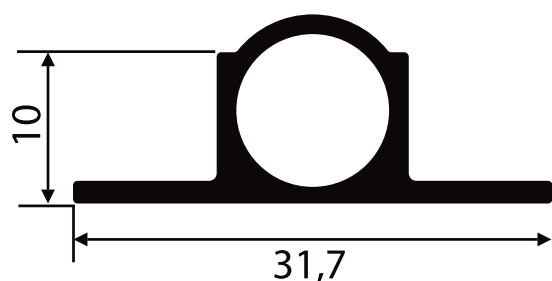
NI-1482

0,817 Kg/m



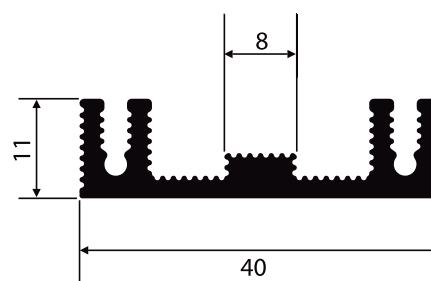
NI-1274

0,407 Kg/m



NI-933

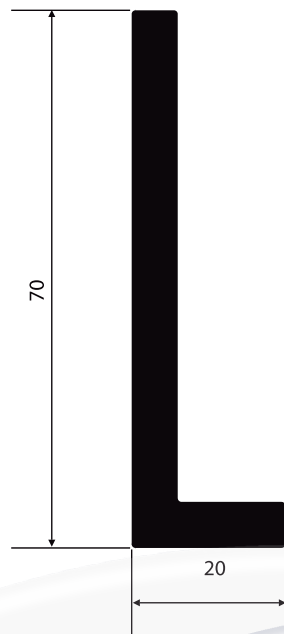
0,252 Kg/m



NI-710

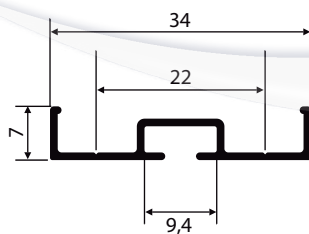
0,529 Kg/m

DIVERSOS



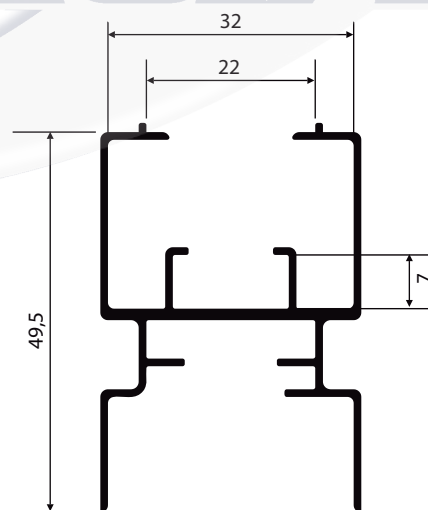
NI-705

1,365 Kg/m



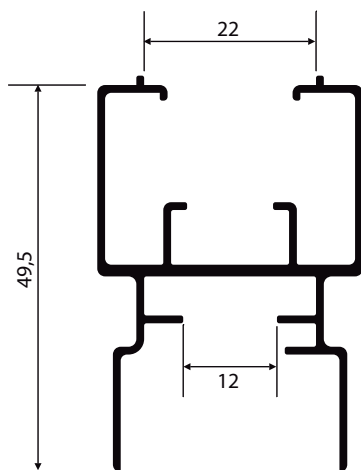
NI-126

0,163 Kg/m

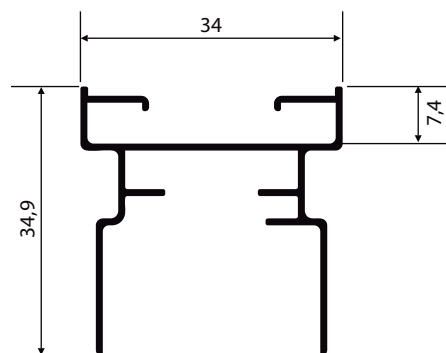


NI-127

0,564 Kg/m

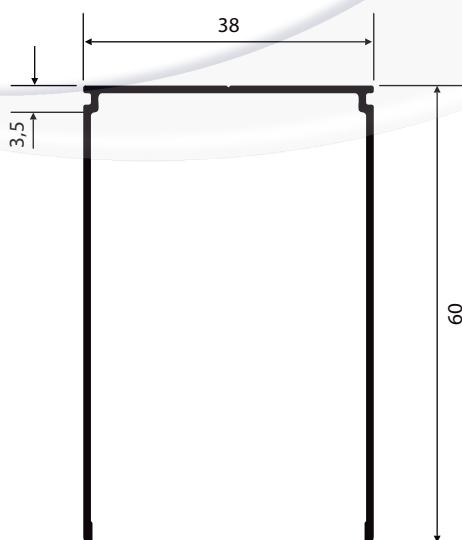


NI-129
0,557 Kg/m



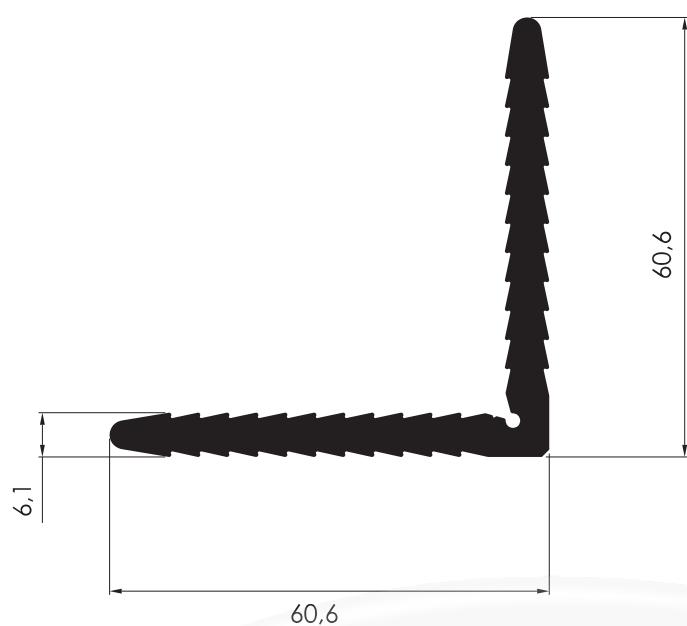
NI-130
0,341 Kg/m

Alumax



NI-128
0,430 Kg/m

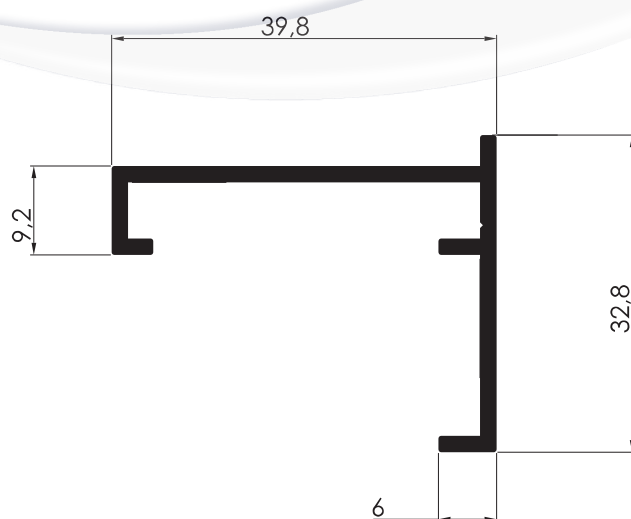
Macho e Cunha



NI-1291

1,644 Kg/m

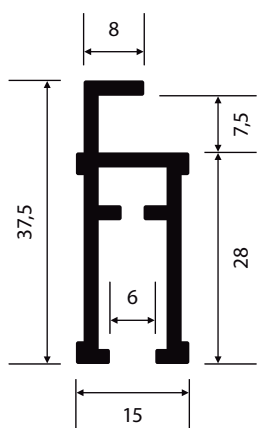
Alumax



NI-1292

0,411 Kg/m

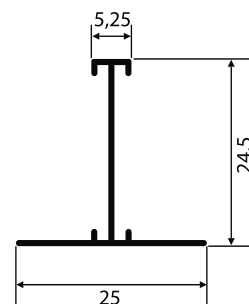
Toldos



NI-034

0,516 Kg/m

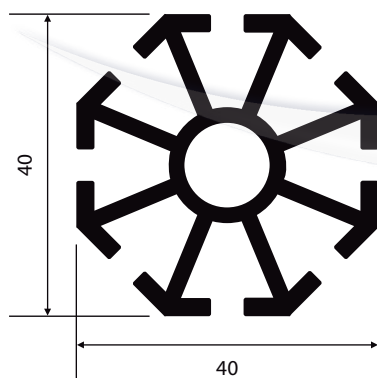
Divisória de Ambientes



NI-730

0,126 Kg/m

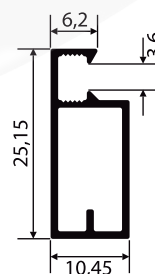
Estrutura de Stands



NI-090

1,356 Kg/m

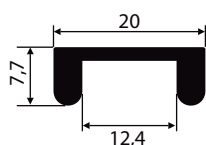
Tela Mosqueteira



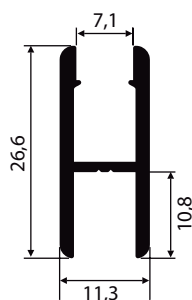
NI-1095

0,189 Kg/m

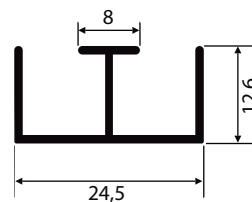
Vitrine



NI-587
0,210 Kg/m



NI-588
0,289 Kg/m

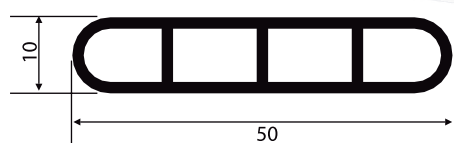


NI-589
0,192 Kg/m

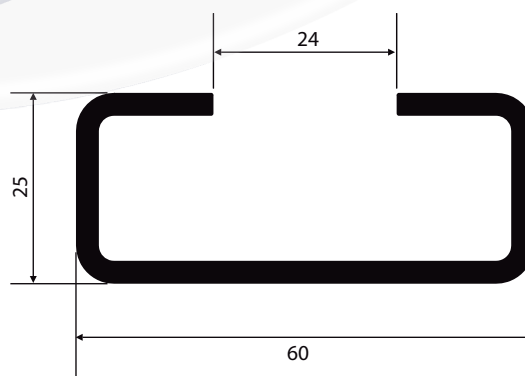
Alumax

Separadores

Painel Elétrico

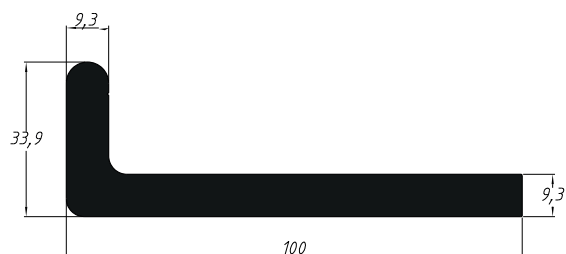


NI-790
0,519 Kg/m

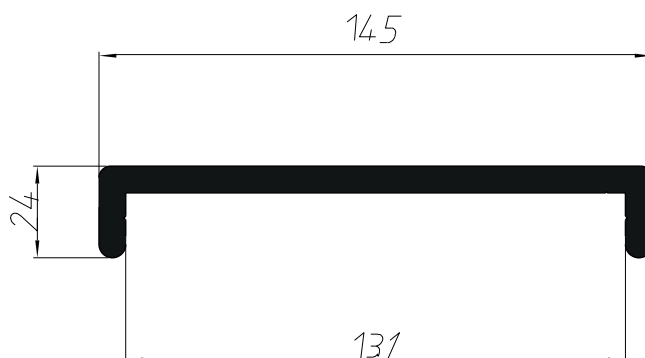


NI-646
1,040 Kg/m

Palco



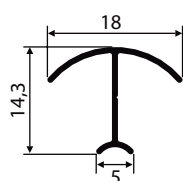
NI-2155
3,115 Kg/m



NI-2132
3,555 Kg/m

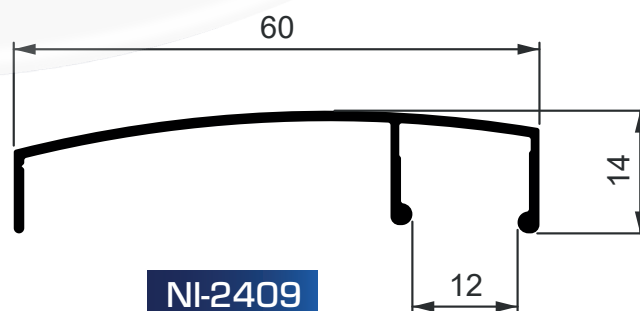
Alumax

Canto de Azulejo

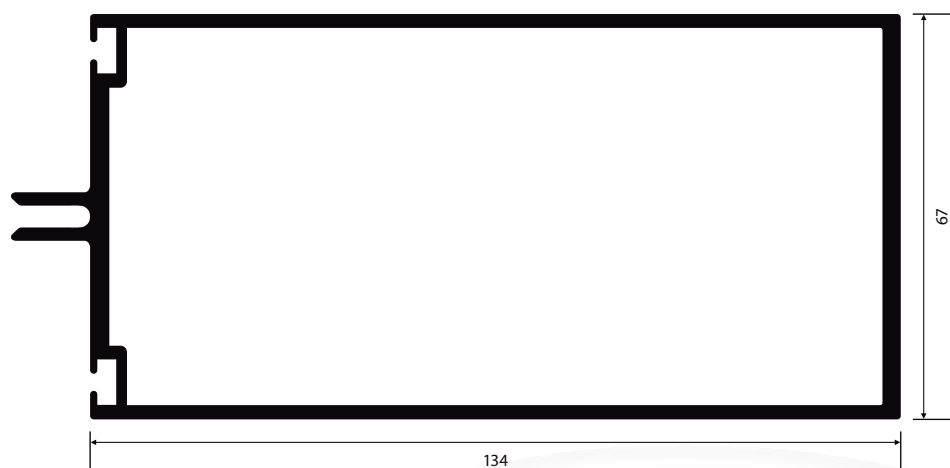


NI-408
0,081 Kg/m

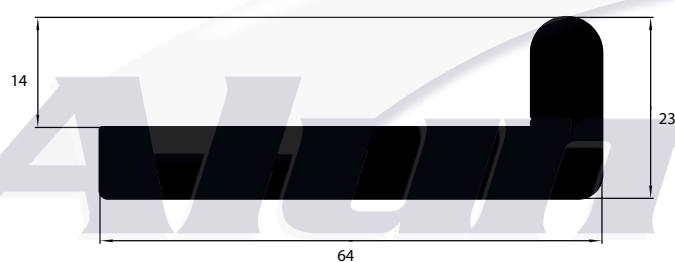
Moldura de Quadro



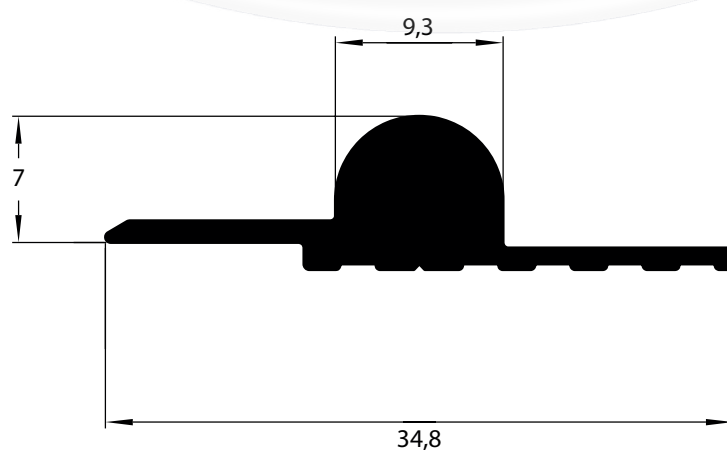
NI-2409
0,307 Kg/m



NI-163
2,757 Kg/m

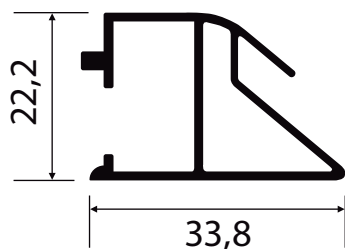


NI-2184
1,873 Kg/m



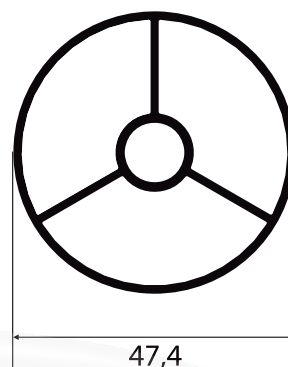
NI-2225
0,269 Kg/m

Capota Marítima



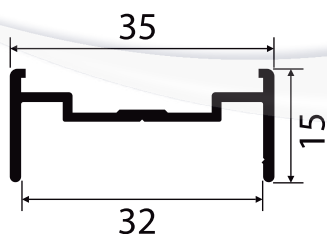
NI-196
0,499 Kg/m

Pé de Mesa



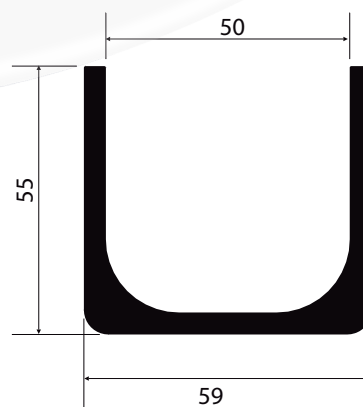
NI-467
0,882 Kg/m

Linha 30



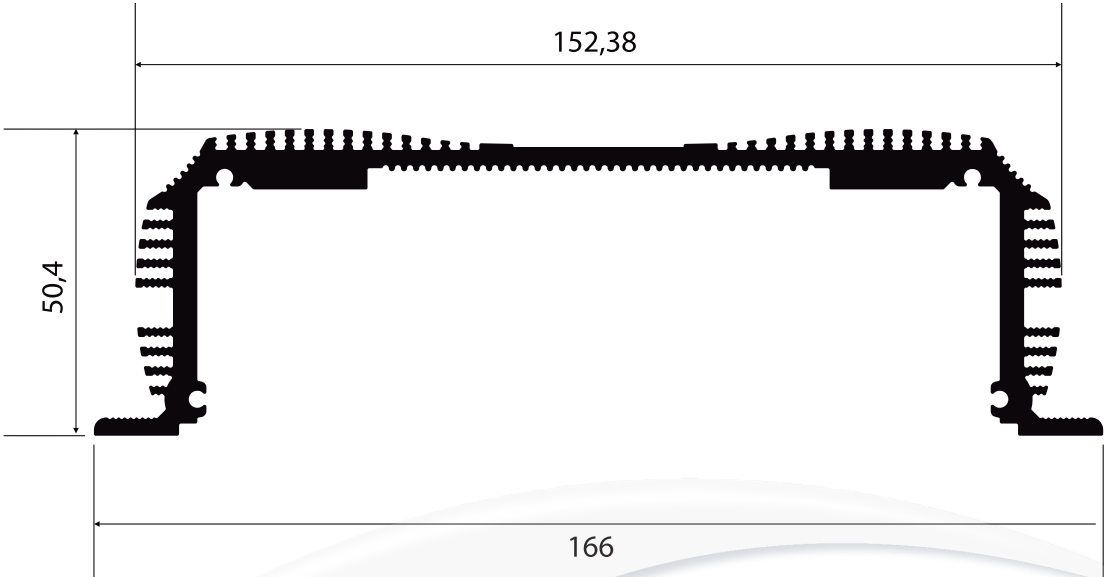
NI-1021
0,256 Kg/m

Radiador



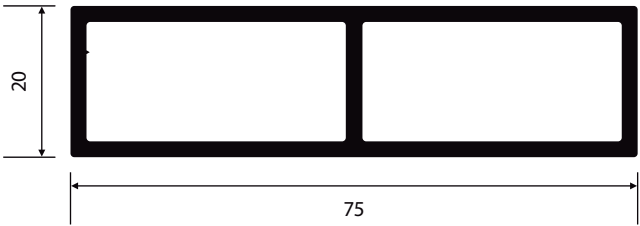
NI-379
2,184 Kg/m

Módulo de Som

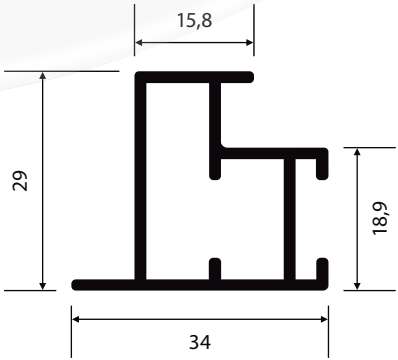


NI-421
3,452 Kg/m

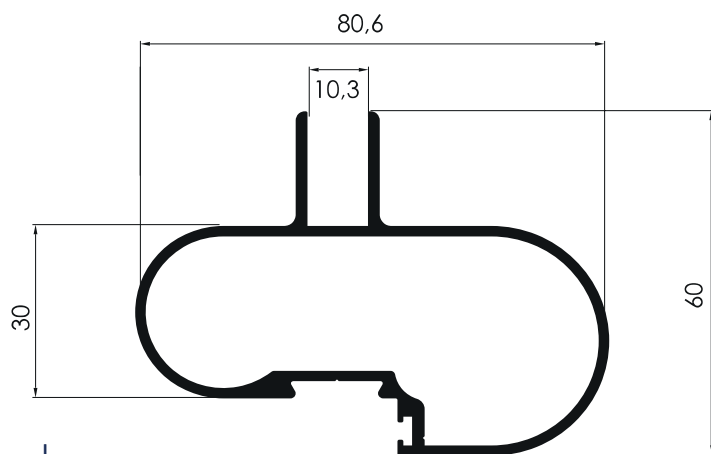
Alumax



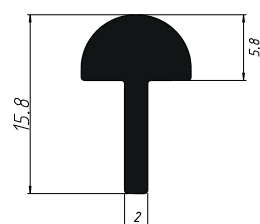
NI-253
1,073 Kg/m



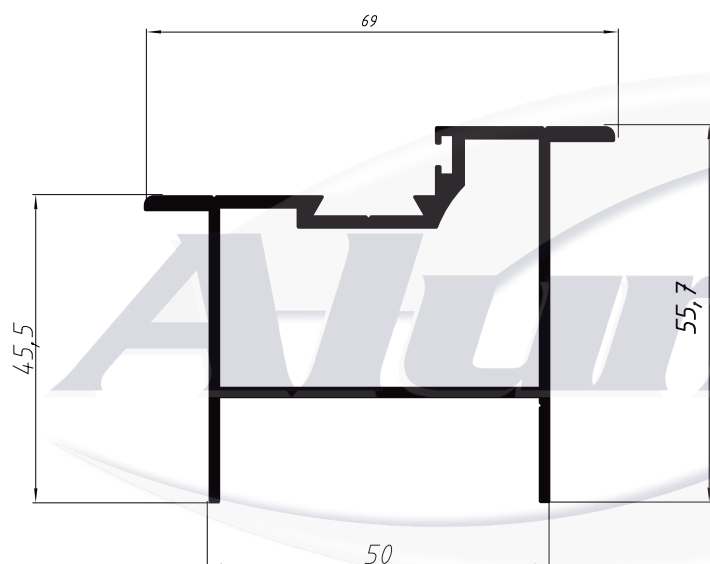
NI-162
0,483 Kg/m



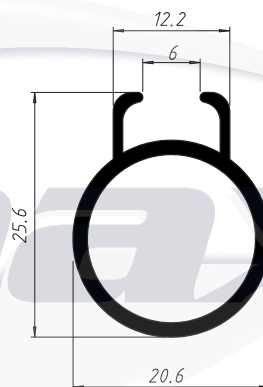
DV-300
1,416 Kg/m



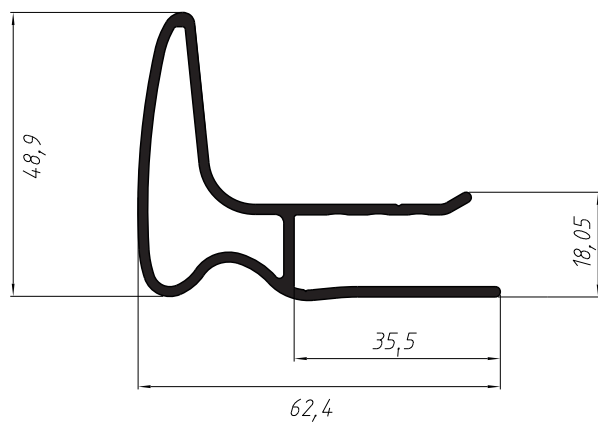
AT-409
0,177 Kg/m



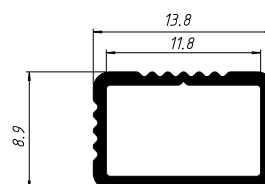
NI-1531
1,184 Kg/m



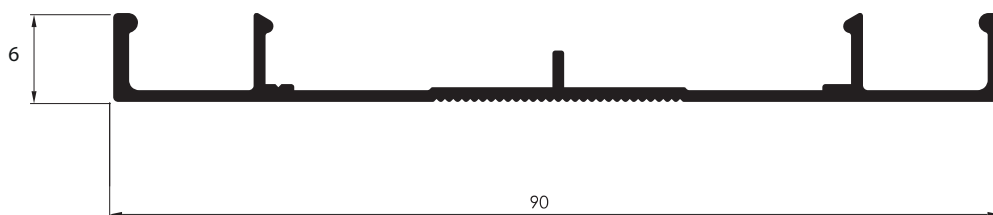
NI-099
0,291 Kg/m



NI-1568
0,947 Kg/m

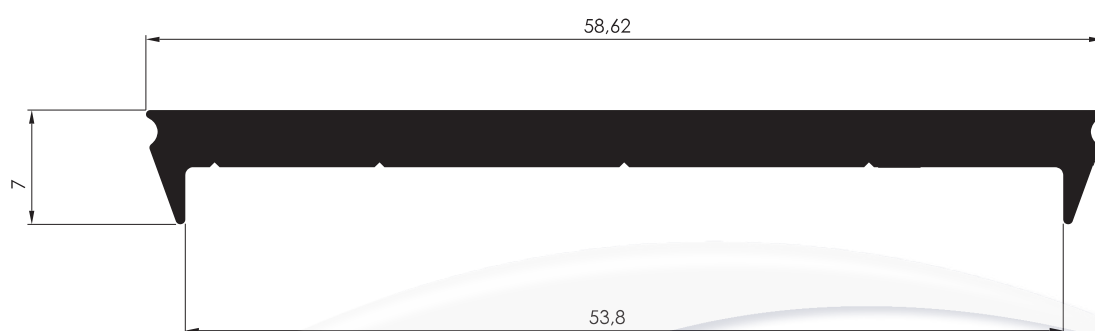


NI-1108
0,097 Kg/m



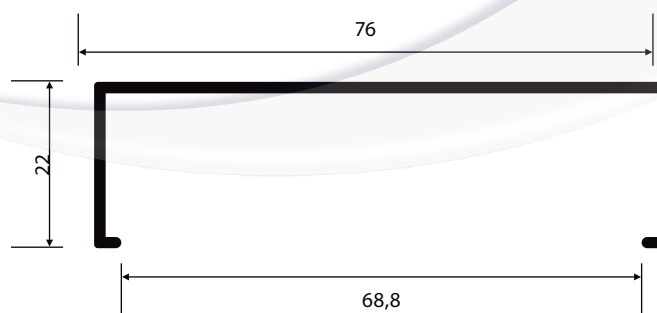
NI-1257

0,458 Kg/m



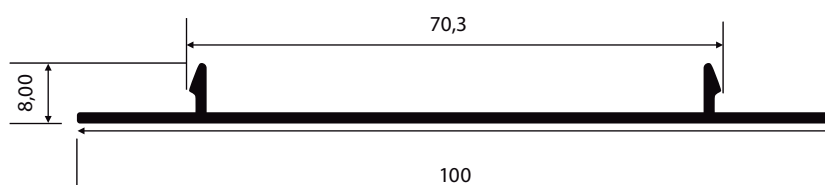
NI-1258

0,569 Kg/m



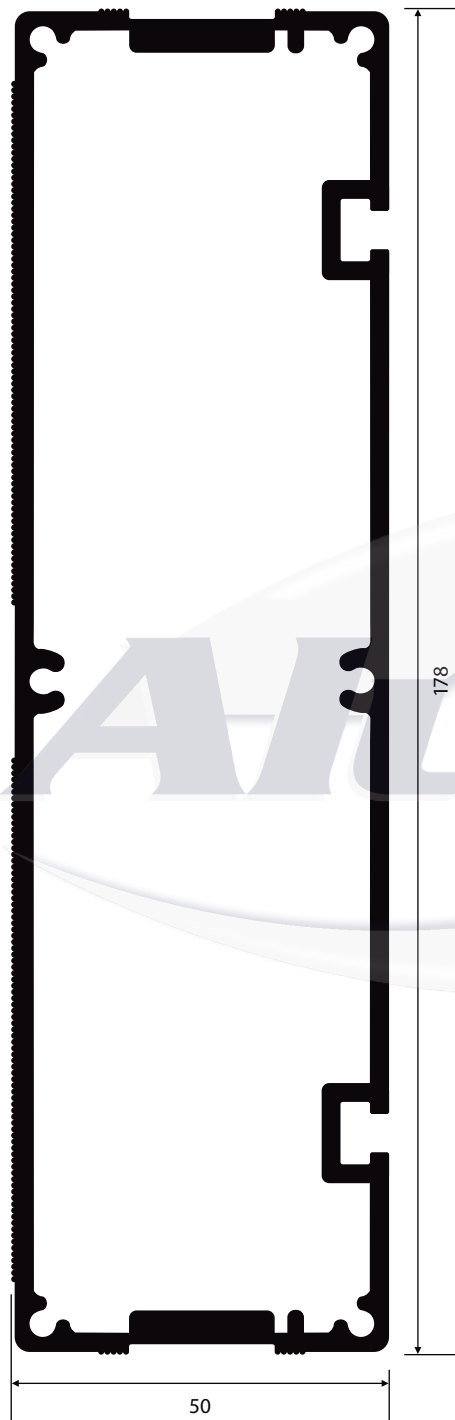
NI-194

0,491 Kg/m

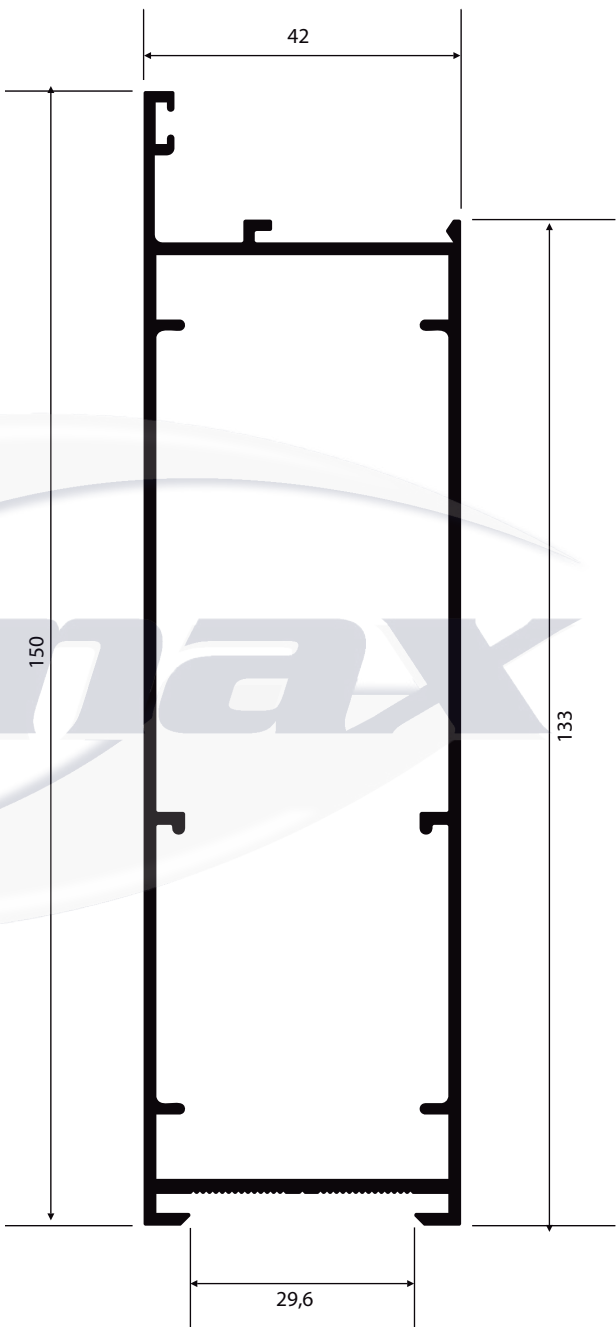


NI-195

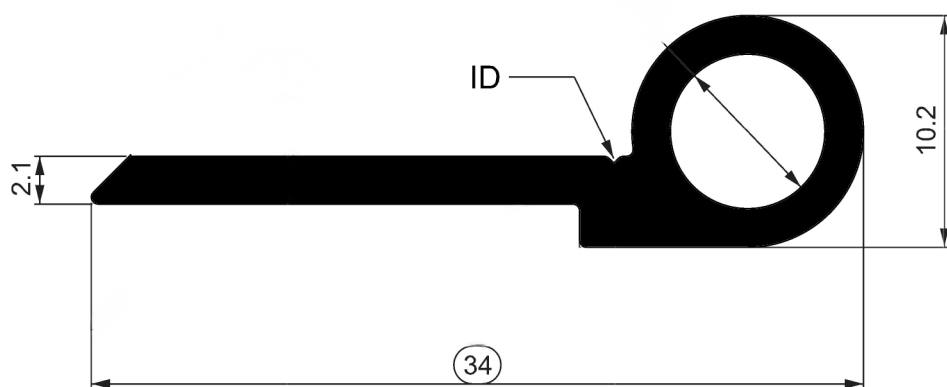
0,457 Kg/m



NI-122
3,573 Kg/m

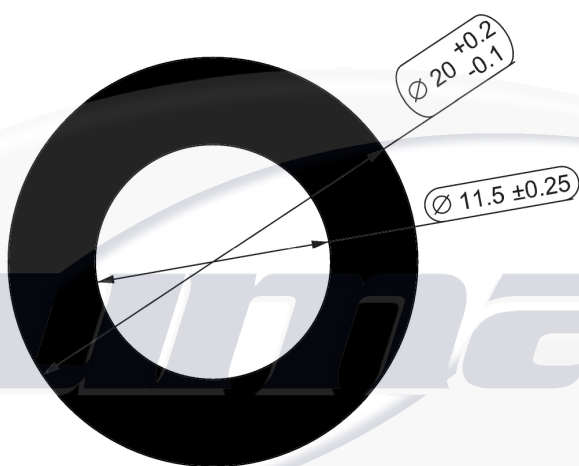


NI-580
1,861 Kg/m



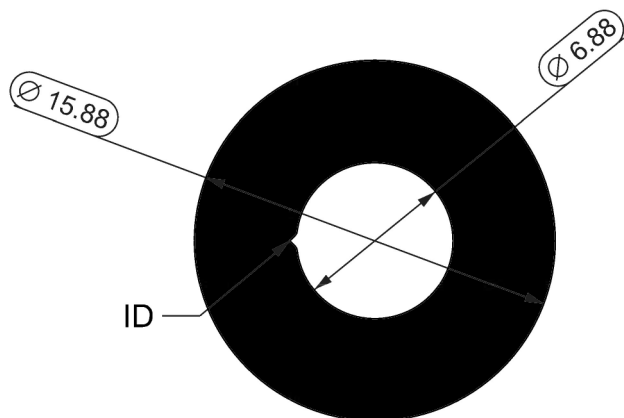
NI-2415

0,282 Kg/m



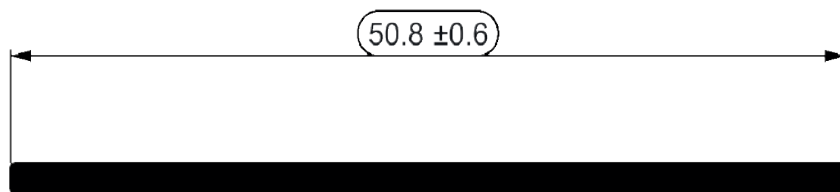
NI-2449

0,569 Kg/m



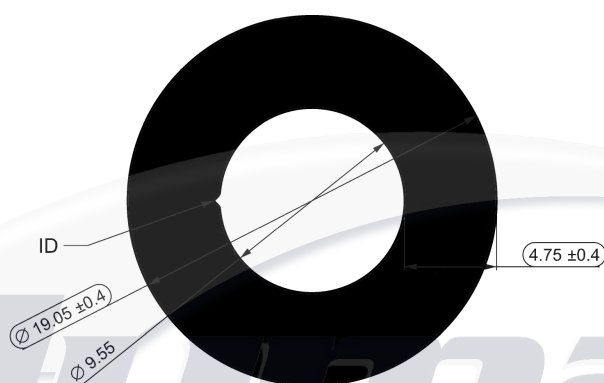
NI-2450

0,436Kg/m



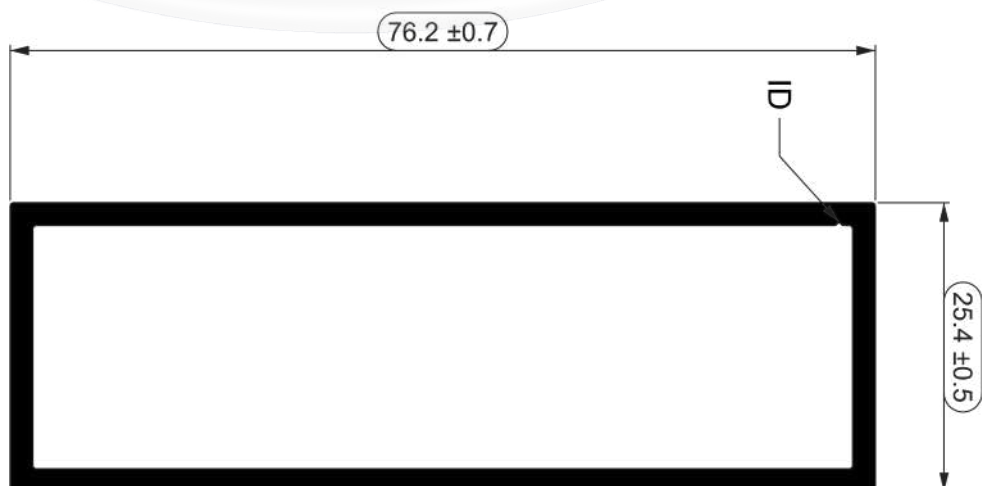
BAR-387

0,218 Kg/m



NI-2512

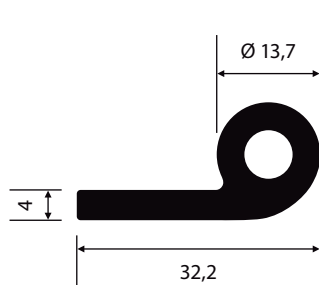
0,578 Kg/m



TUB-4591P

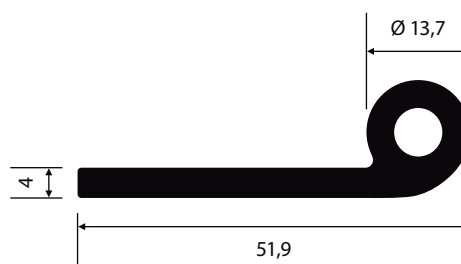
1,058 Kg/m

DOBRADIÇAS



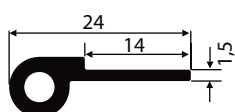
NI-075

0,578 Kg/m



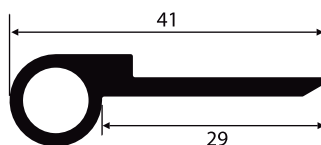
NI-076

0,805 Kg/m



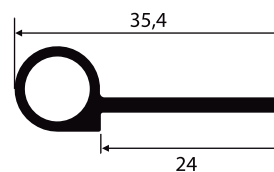
NI-431

0,185 Kg/m



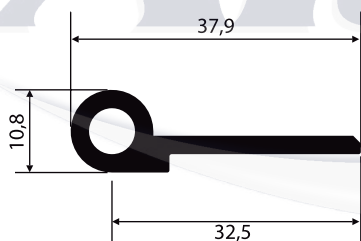
NI-432

0,395 Kg/m



NI-433

0,305 Kg/m



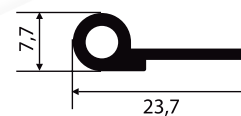
NI-674

0,377 Kg/m



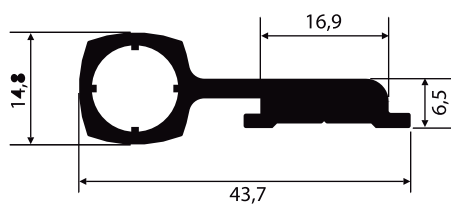
NI-942

0,340 Kg/m



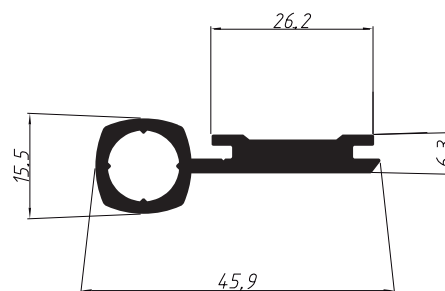
NI-941

0,168 Kg/m



NI-690

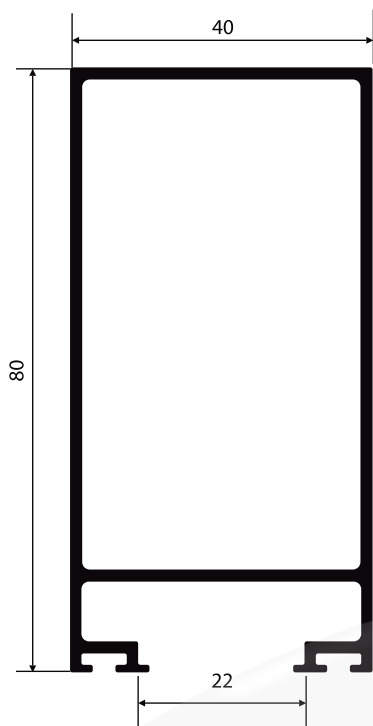
0,623 Kg/m



NI-1507

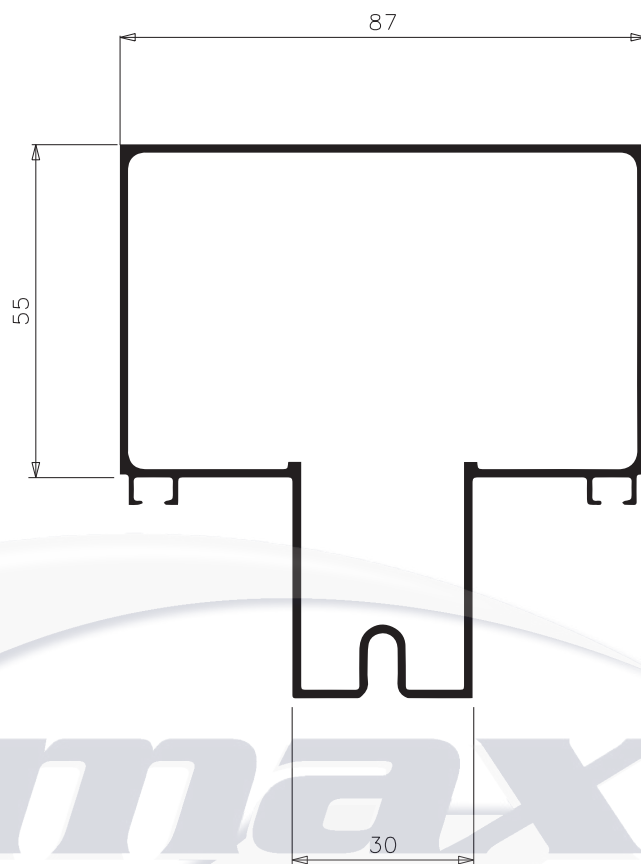
0,688 Kg/m

FACHADA



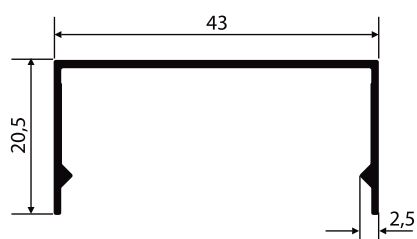
A-072

1,120 Kg/m



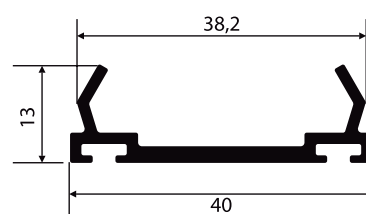
FA-200

1,850 Kg/m



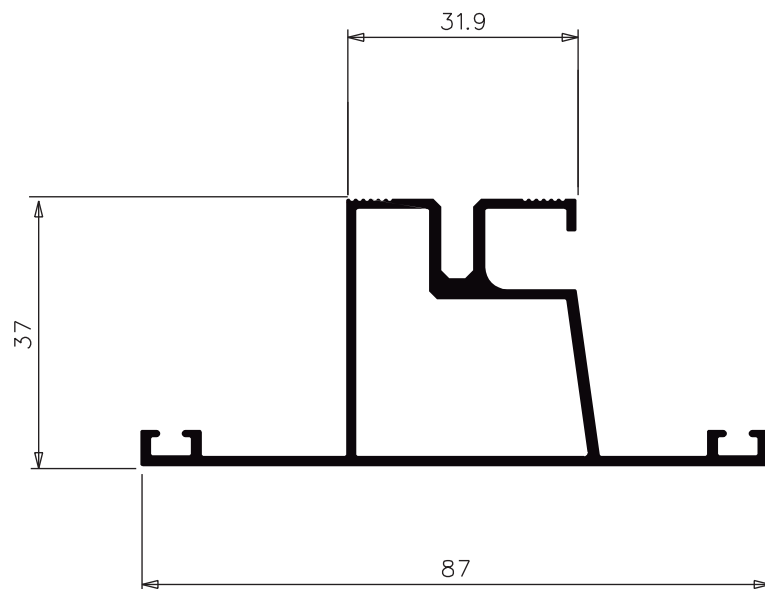
U-621

0,252 Kg/m

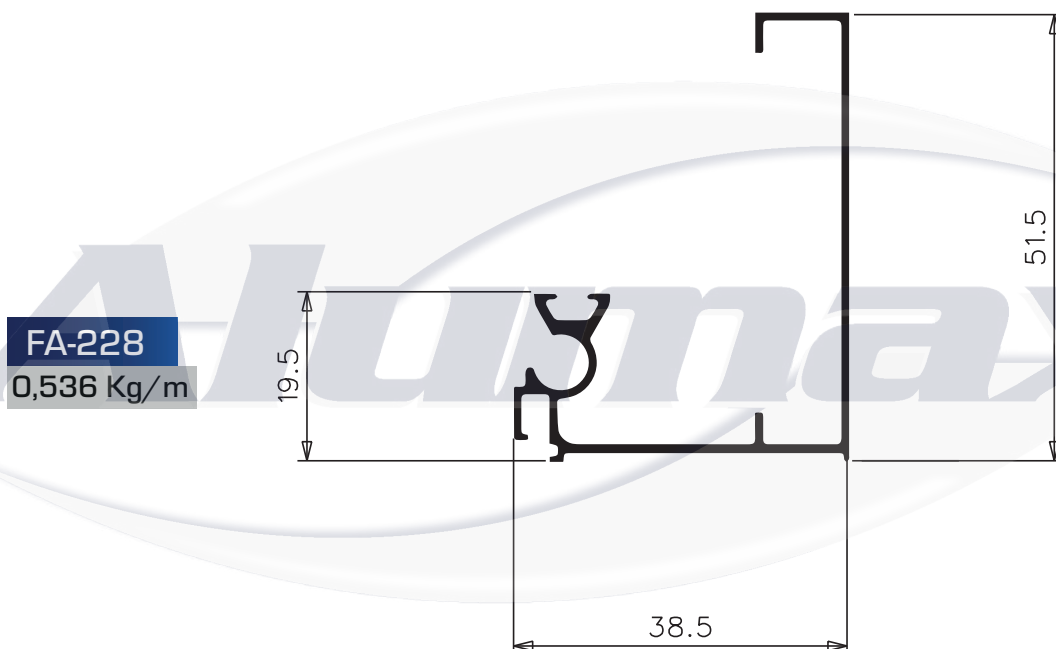


U-615

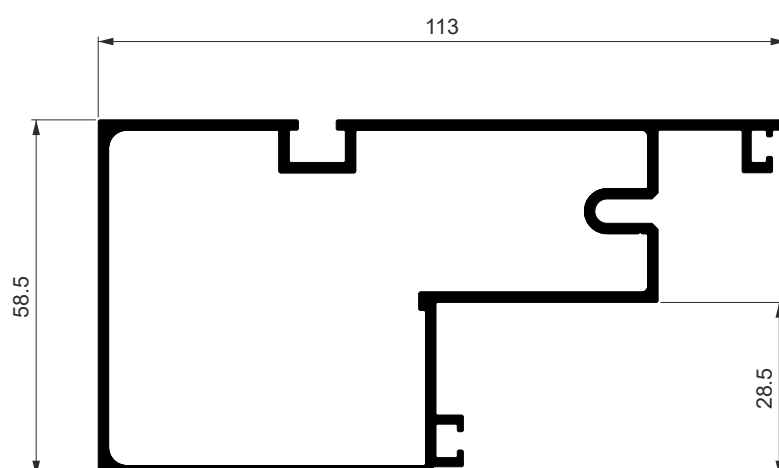
0,340 Kg/m



FA-211
0,941 Kg/m

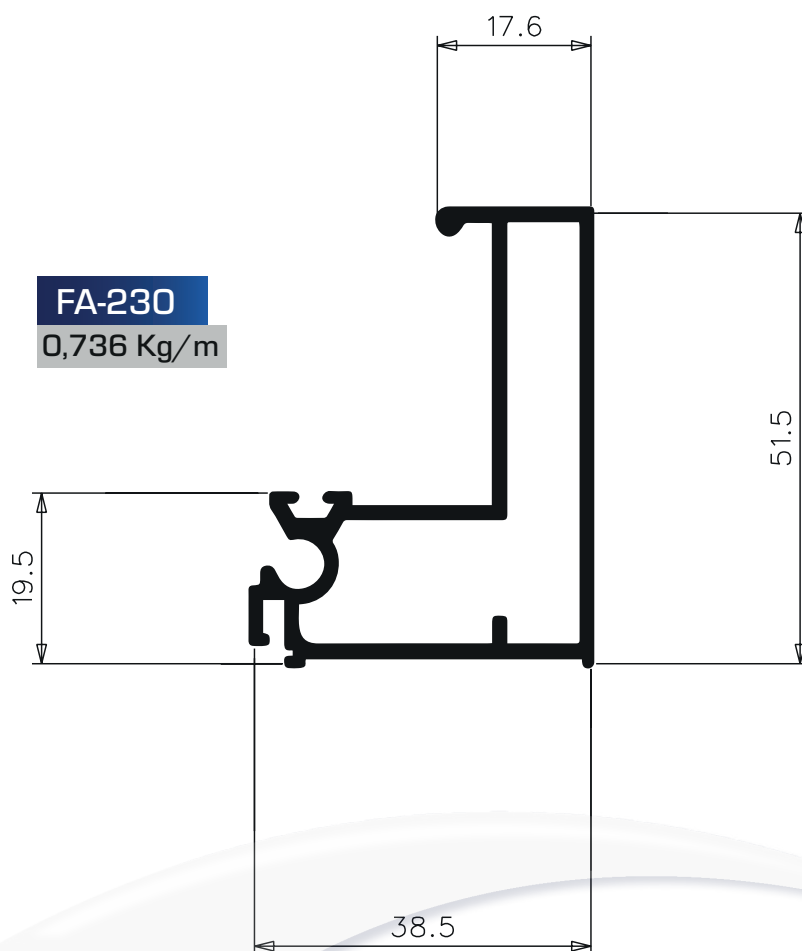


FA-228
0,536 Kg/m

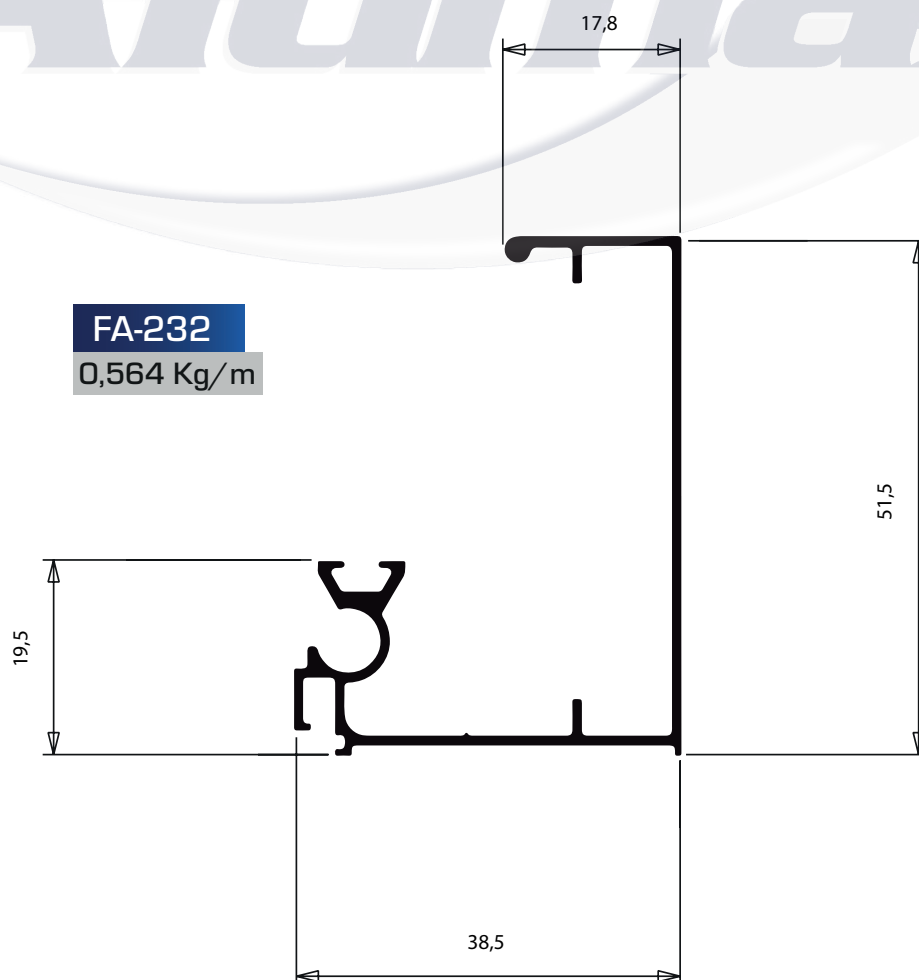


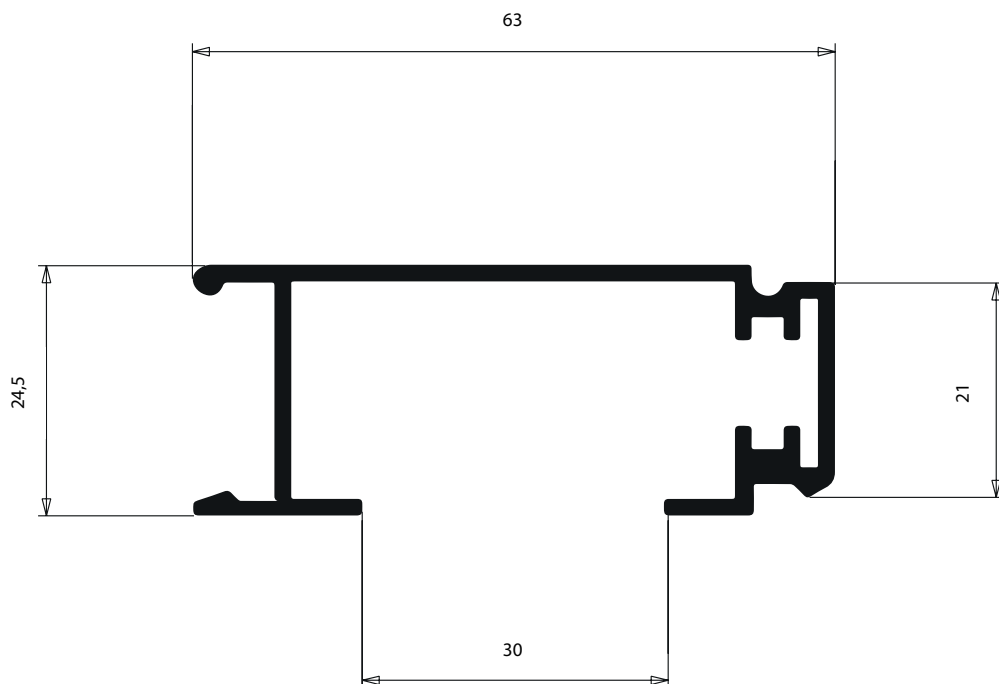
FA-201
1,724 Kg/m

FA-230
0,736 Kg/m

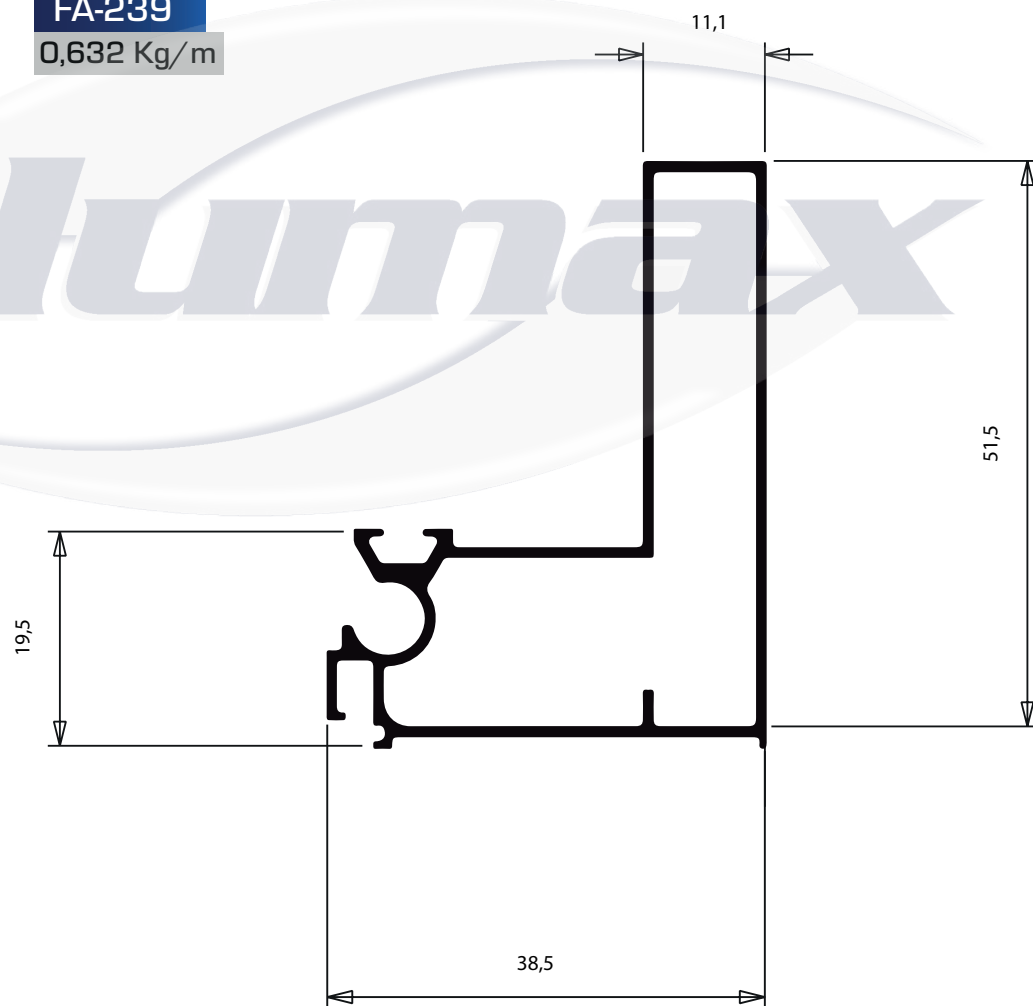


FA-232
0,564 Kg/m

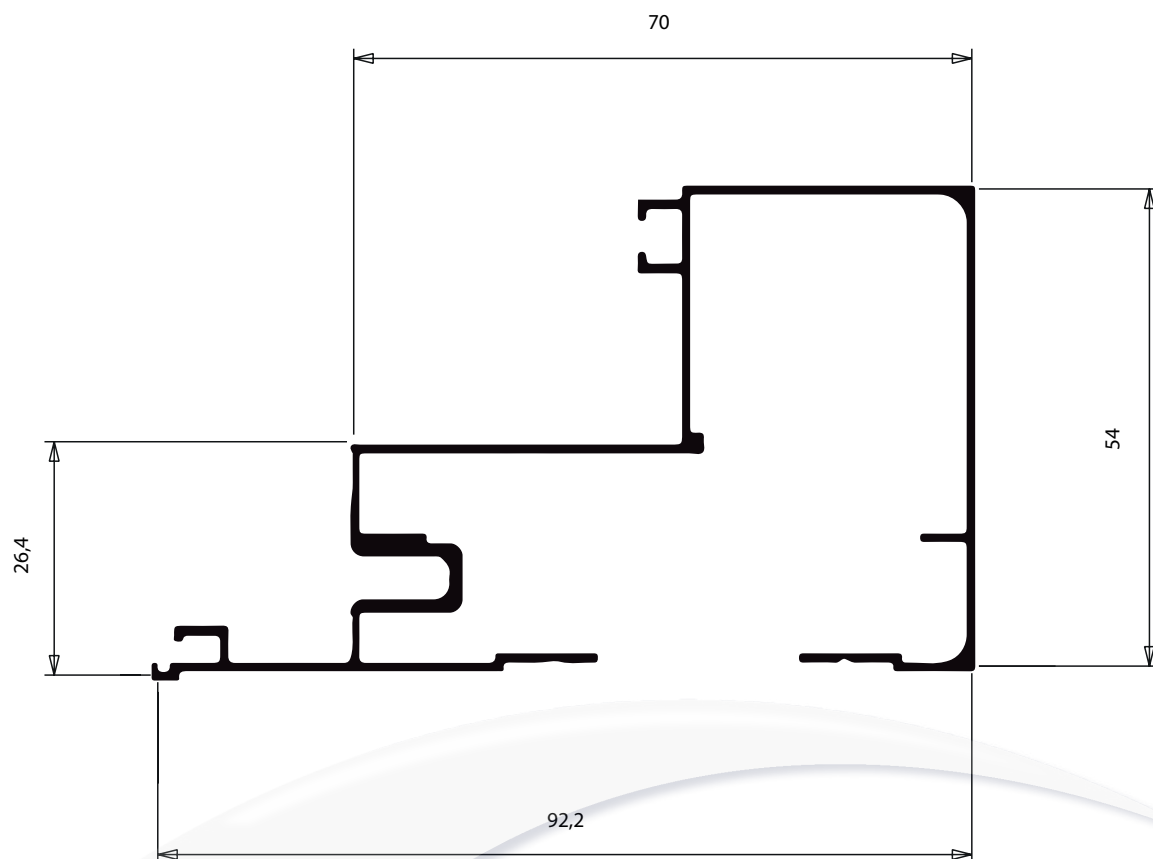




FA-239
0,632 Kg/m

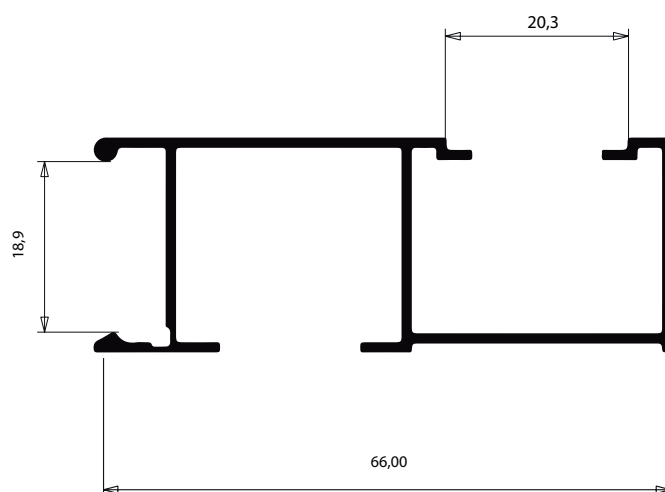


FA-245
0,690 Kg/m



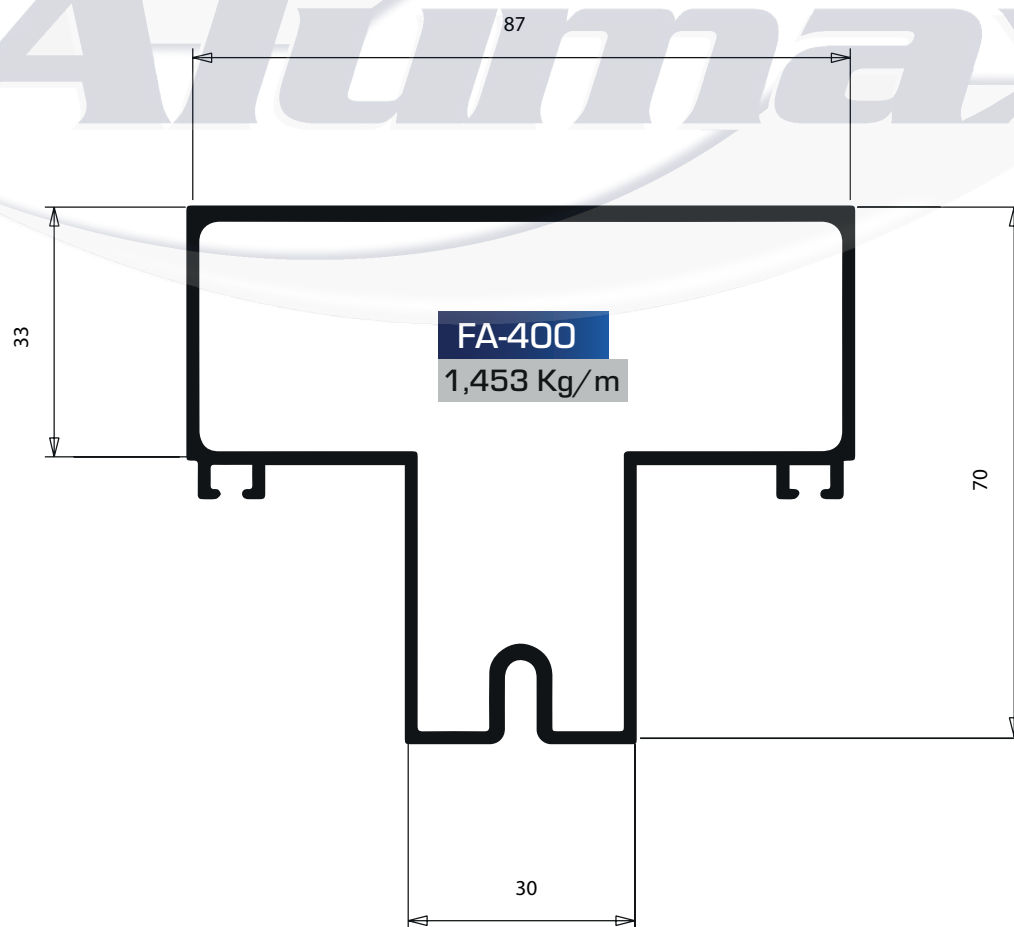
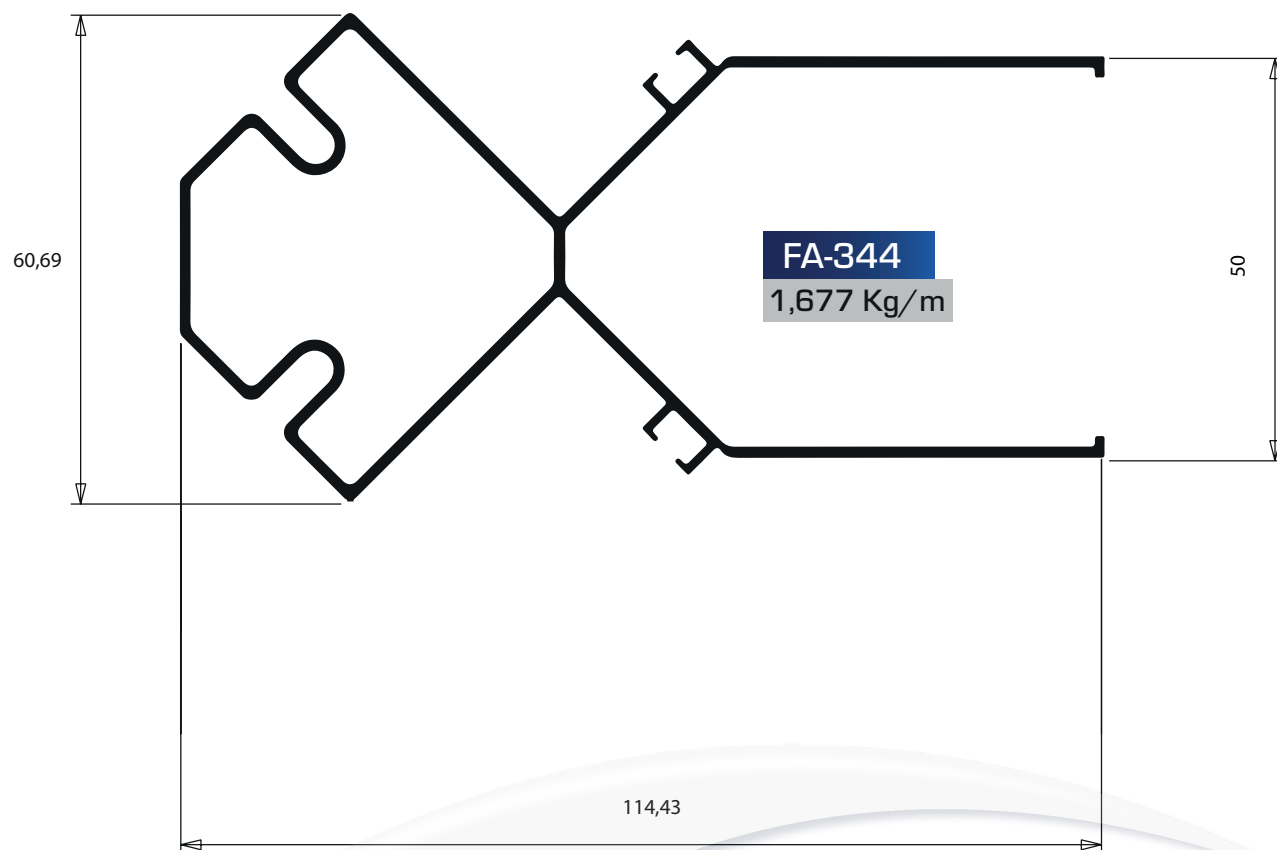
FA-260

1,127 Kg/m

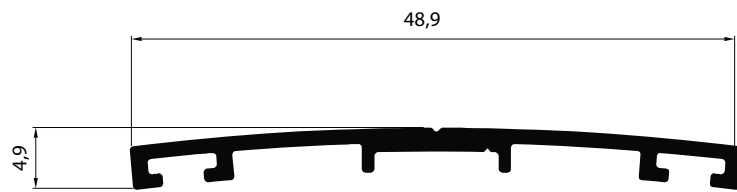


FA-325

0,654 Kg/m

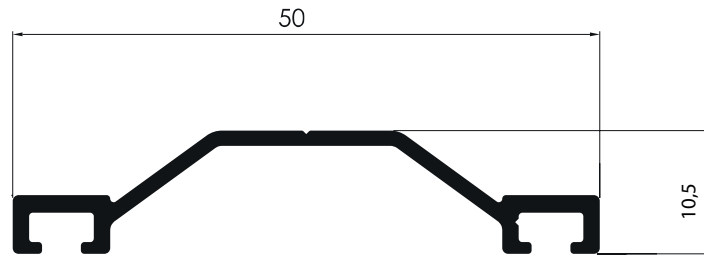


POLICARBONATO



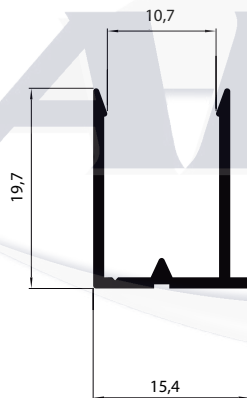
NI-1334

0,235 Kg/m



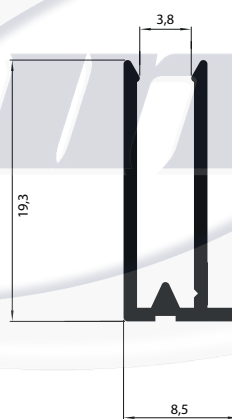
NI-1335

0,264 Kg/m



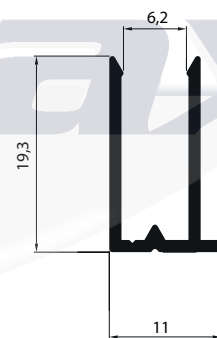
NI-1444

0,159 Kg/m



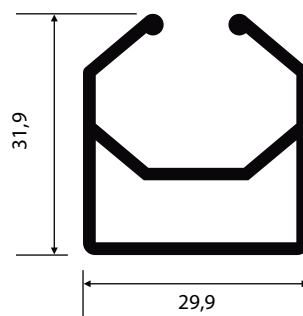
NI-1445

0,125 Kg/m



NI-1336

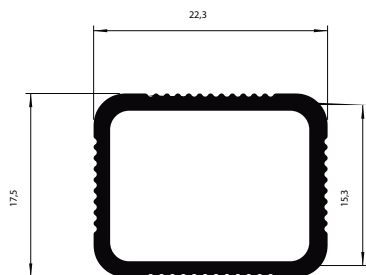
0,155 Kg/m



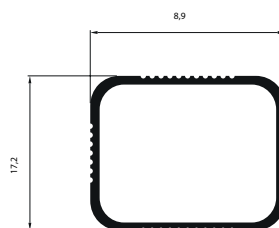
NI-041

0,540 Kg/m

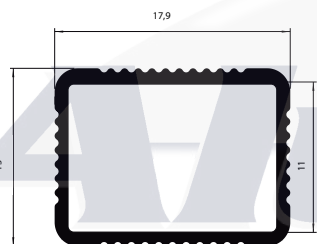
MALAS



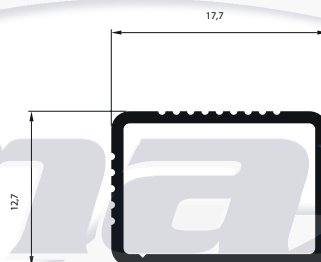
NI-1106
0,194 Kg/m



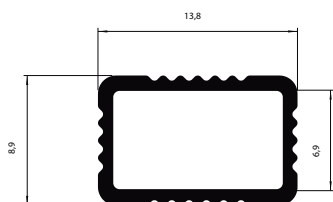
NI-1260
0,175 Kg/m



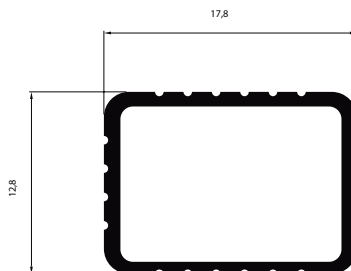
NI-1107
0,136 Kg/m



NI-1261
0,138 Kg/m

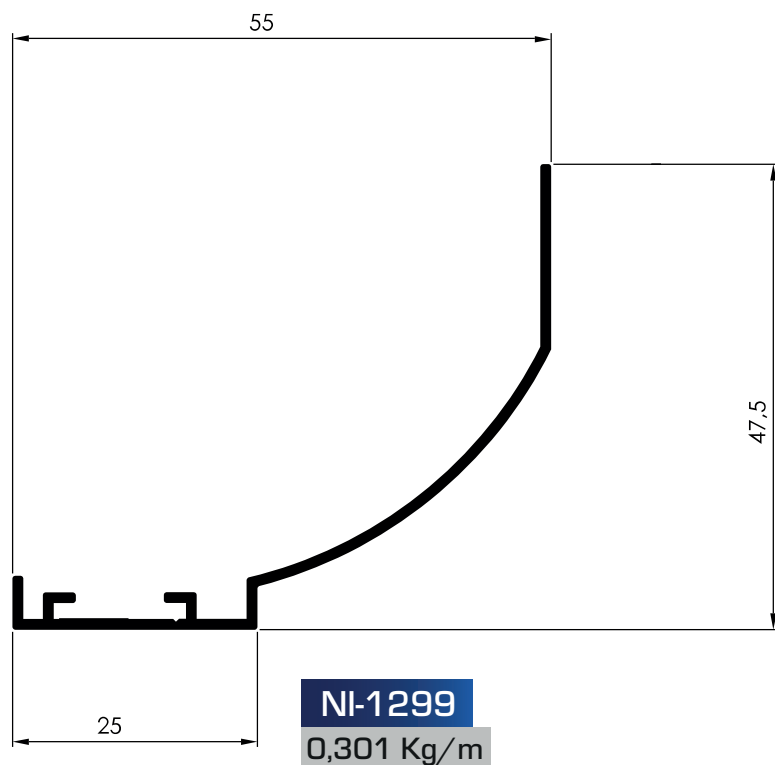


NI-1108
0,097 Kg/m

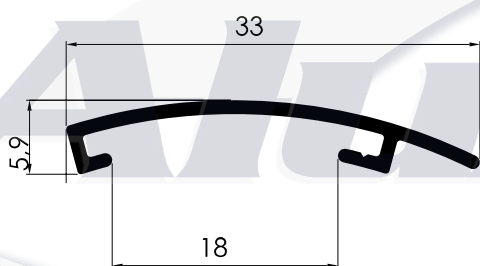


NI-1333
0,141 Kg/m

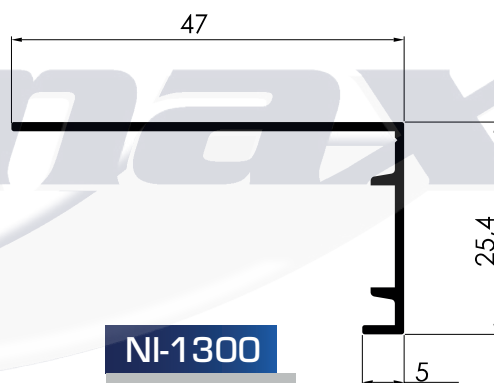
AR CONDICIONADO



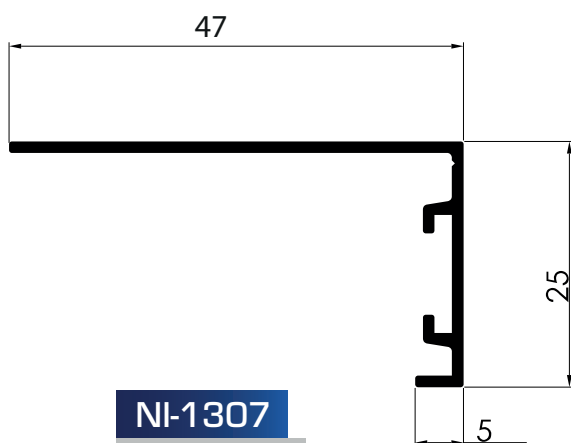
NI-1299
0,301 Kg/m



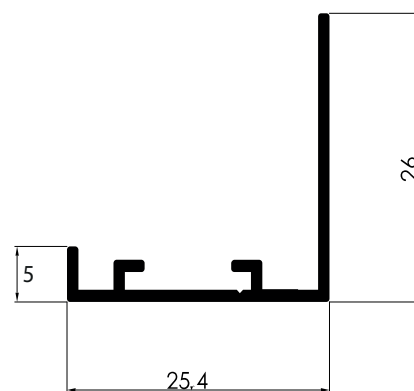
NI-1301
0,131 Kg/m



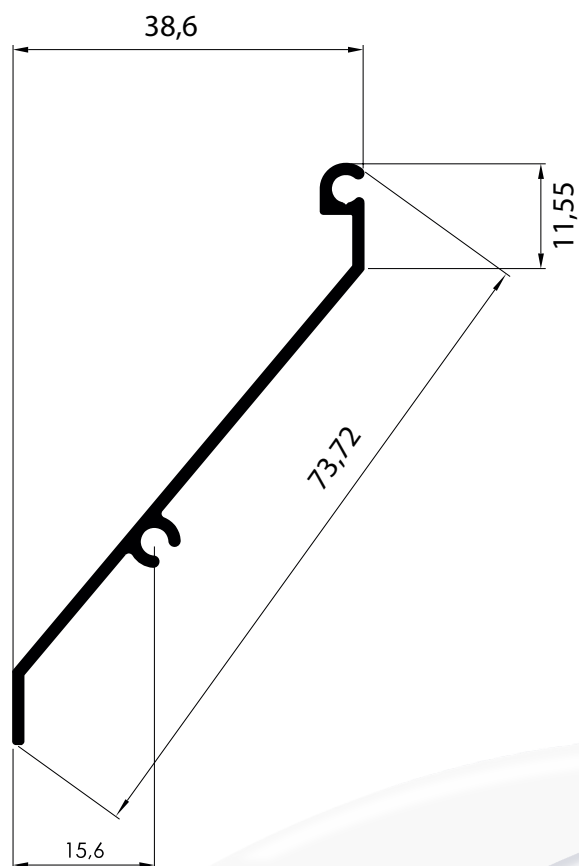
NI-1300
0,243 Kg/m



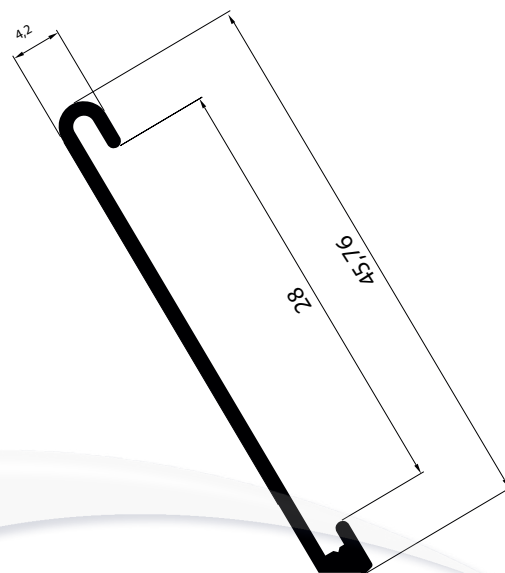
NI-1307
0,275 Kg/m



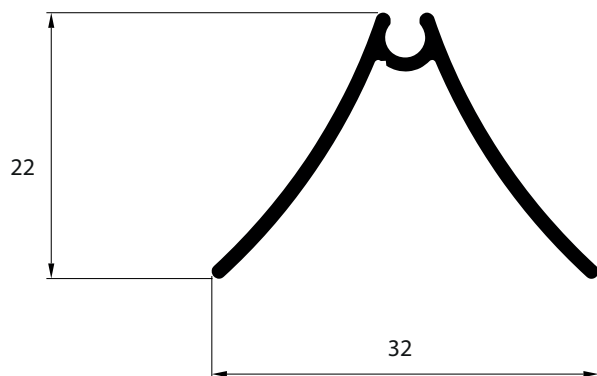
NI-1306
0,188 Kg/m



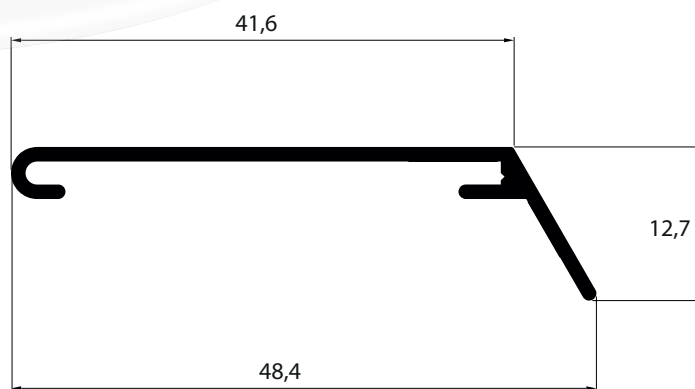
NI-1308
0,277 Kg/m



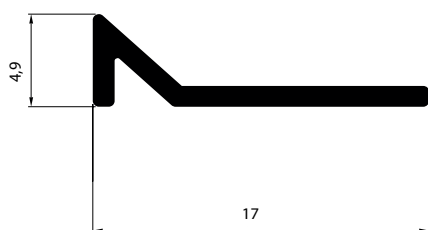
NI-1372
0,185 Kg/m



NI-1309
0,185 Kg/m

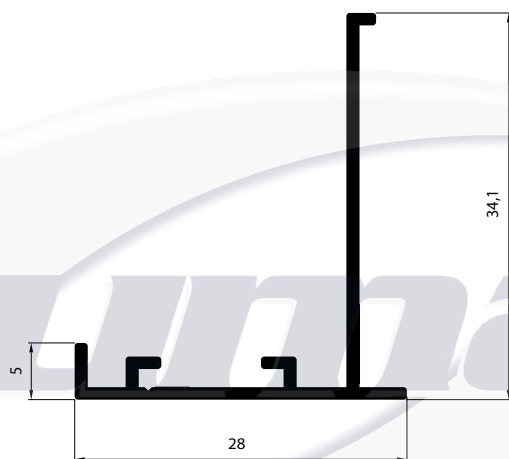


NI-1373
0,215 Kg/m



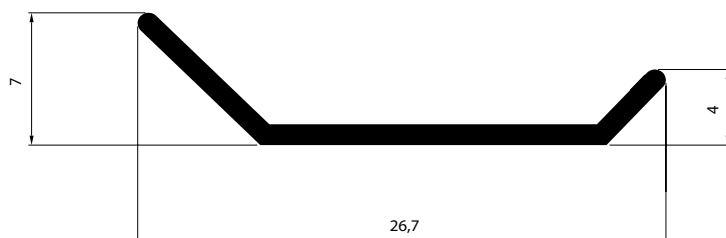
NI-1323

0,064 Kg/m



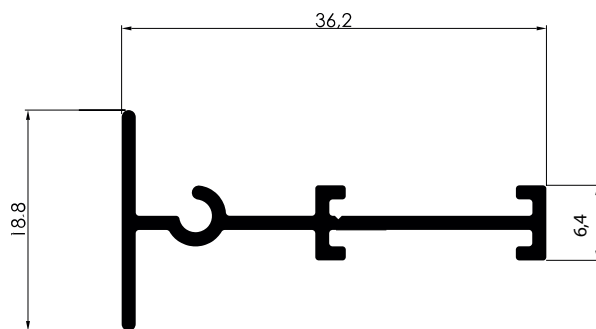
NI-1344

0,224 Kg/m



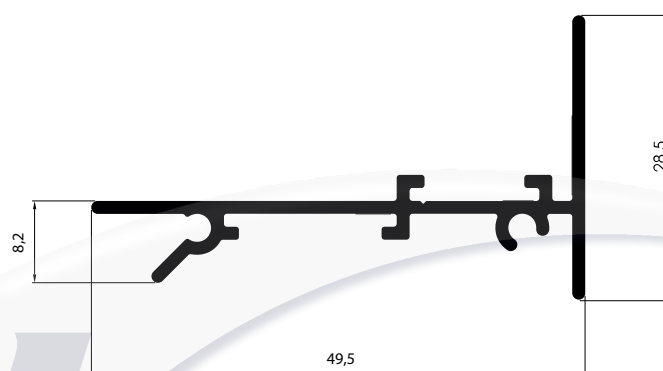
NI-1346

0,089 Kg/m



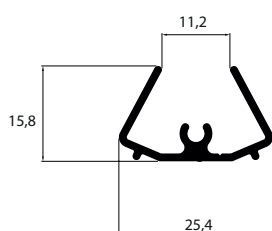
NI-1375

0,240 Kg/m



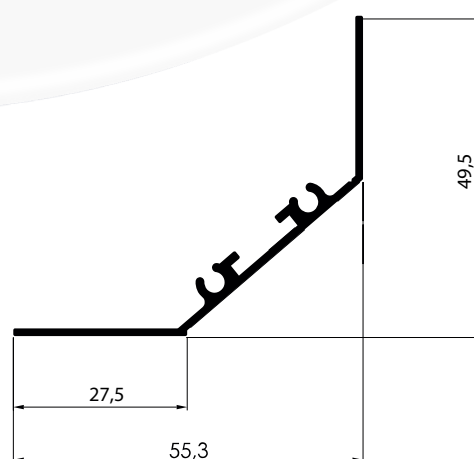
NI-1376

0,378 Kg/m



NI-1377

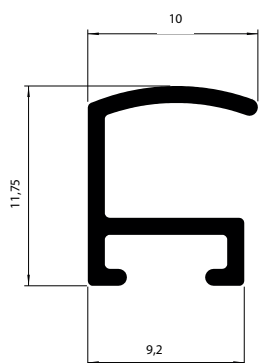
0,237 Kg/m



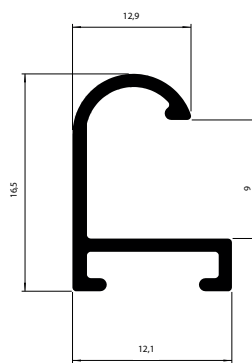
NI-1413

0,384 Kg/m

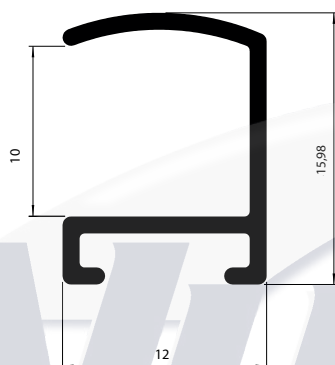
MOLDURAS



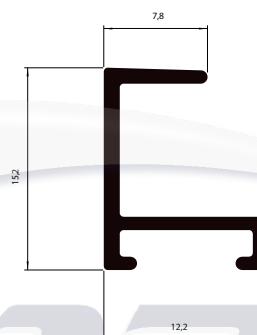
NI-539
0,090 Kg/m



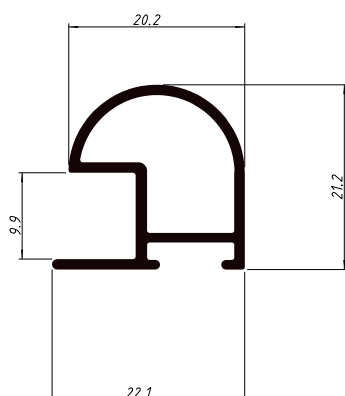
NI-541
0,115 Kg/m



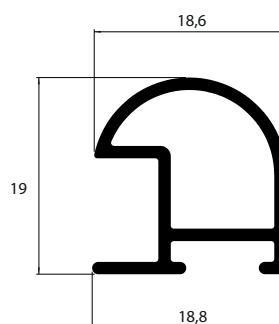
NI-540
0,115 Kg/m



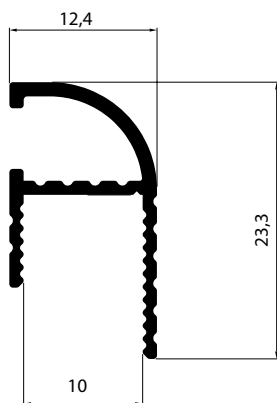
NI-603
0,112 Kg/m



NI-604
0,265 Kg/m

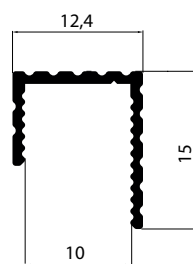


NI-605
0,233 Kg/m



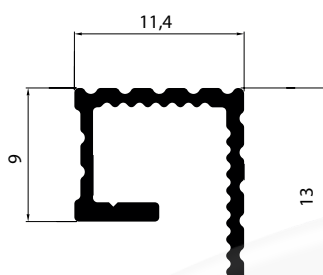
NI-1275

0,152 Kg/m



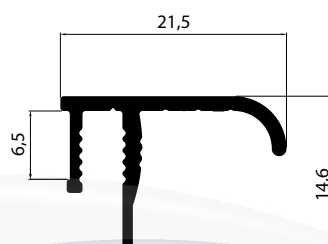
NI-1277

0,093 Kg/m



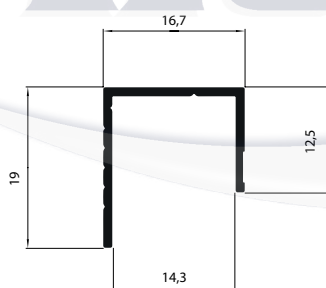
NI-1276

0,097 Kg/m



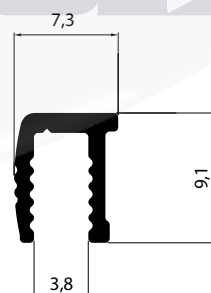
NI-1278

0,162 Kg/m



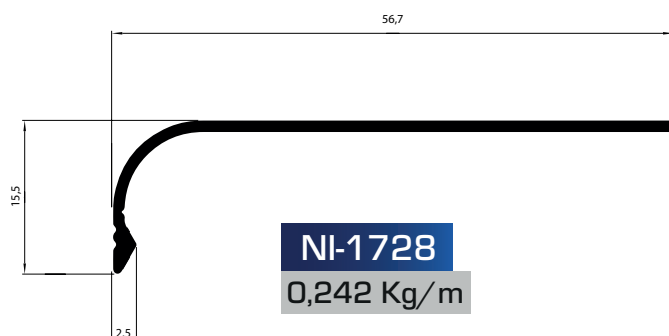
NI-1727

0,145 Kg/m



NI-1279

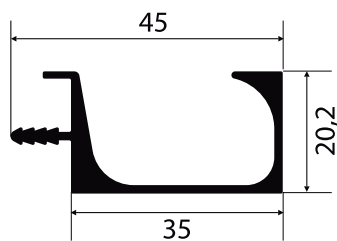
0,072 Kg/m



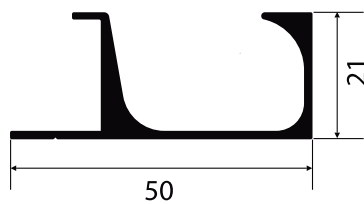
NI-1728

0,242 Kg/m

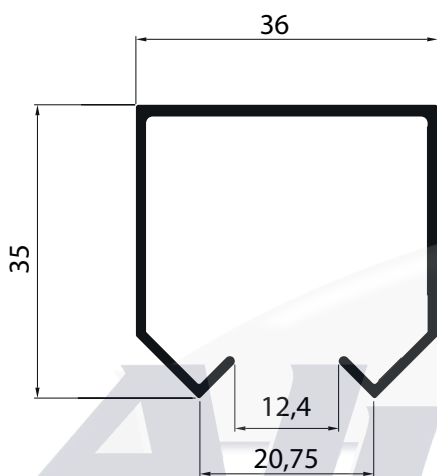
MÓVEIS



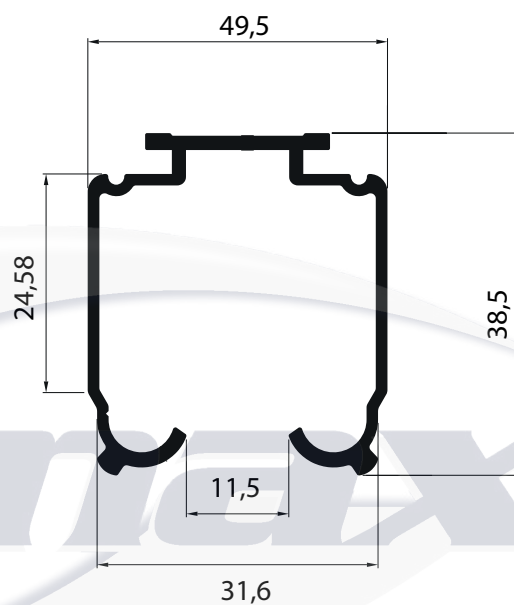
NI-015
0,517 Kg/m



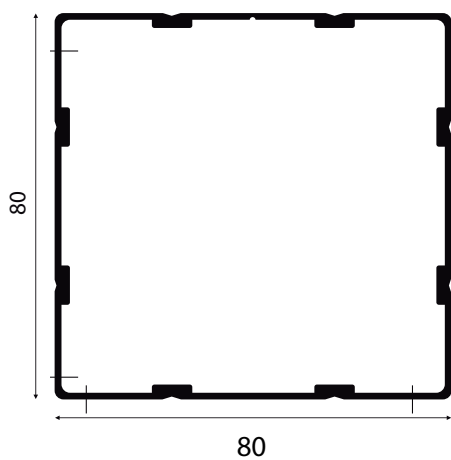
NI-017
0,528 Kg/m



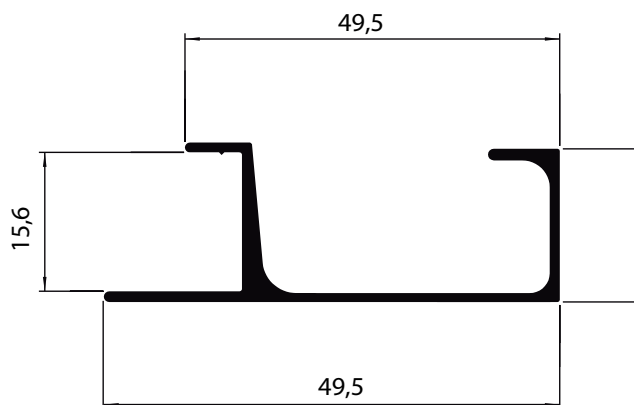
NI-3039
0,406 Kg/m



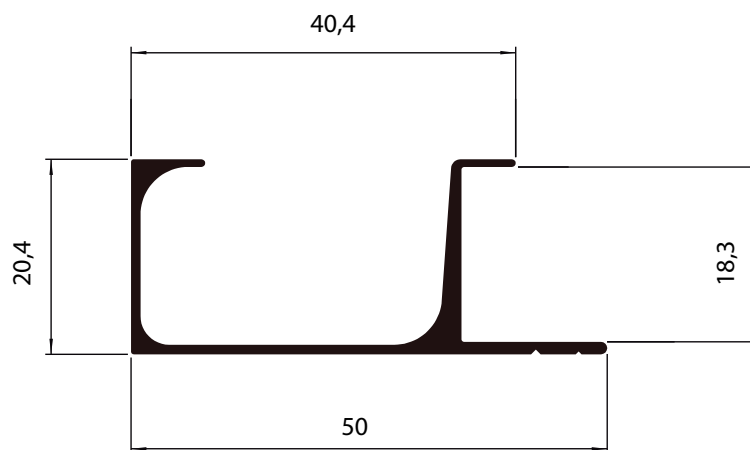
NI-3100
0,525 Kg/m



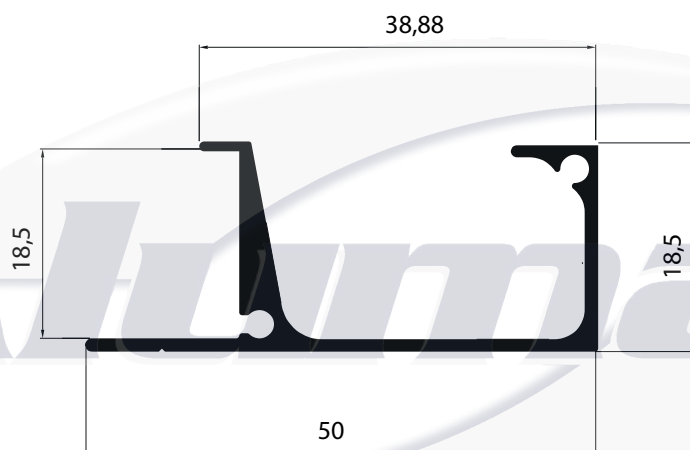
NI-394
1,171 Kg/m



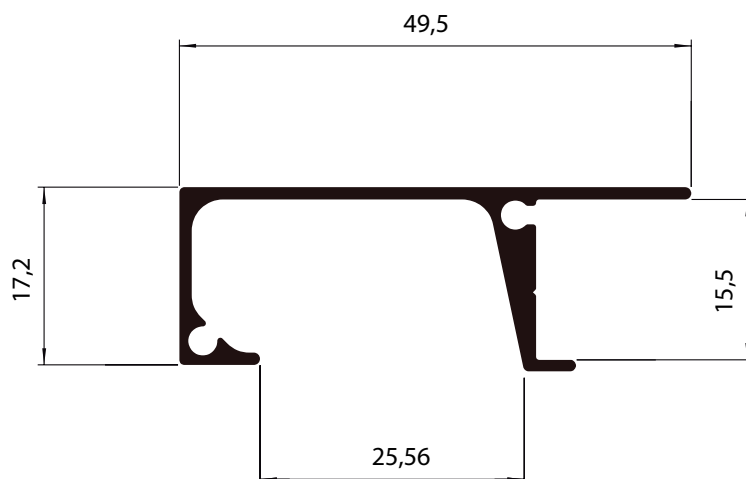
NI-4028
0,322 Kg/m



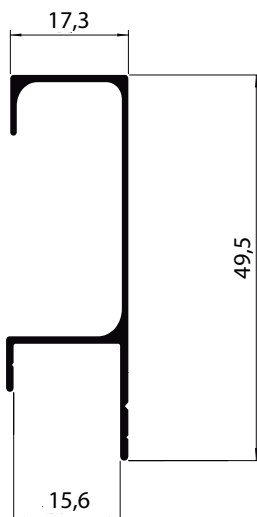
NI-4058
0,341 Kg/m



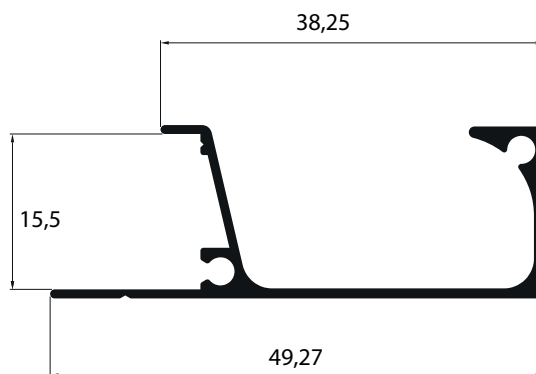
NI-4064
0,422 Kg/m



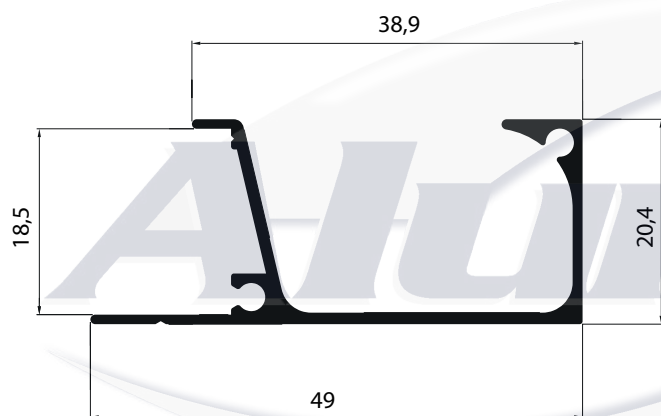
NI-4065
0,372 Kg/m



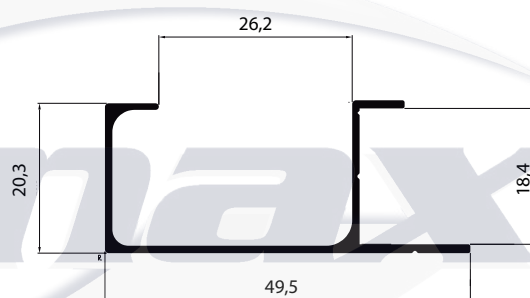
NI-4068
0,272 Kg/m



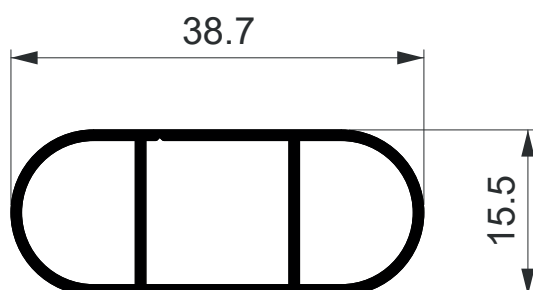
NI-4077
0,284 Kg/m



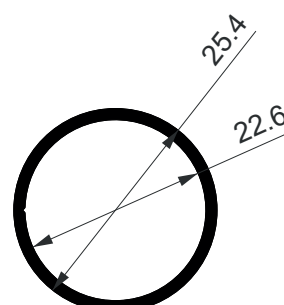
NI-4078
0,335 Kg/m



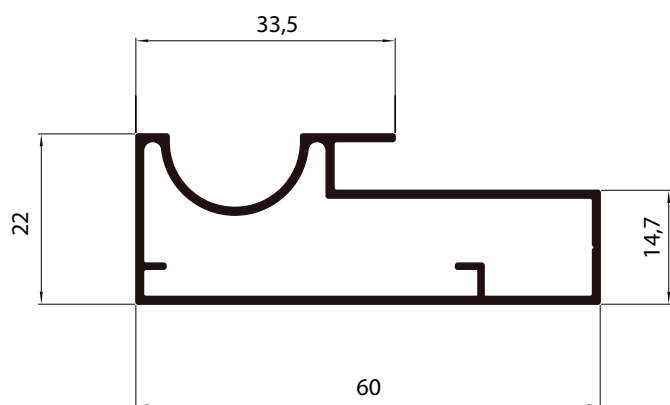
NI-4098
0,294 Kg/m



NI-2262
0,322 Kg/m



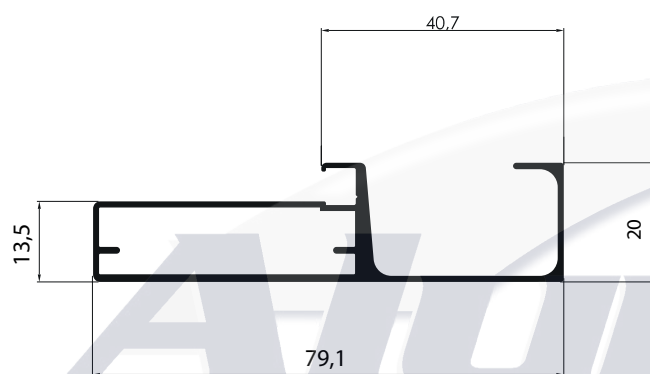
NI-2263
0,285 Kg/m



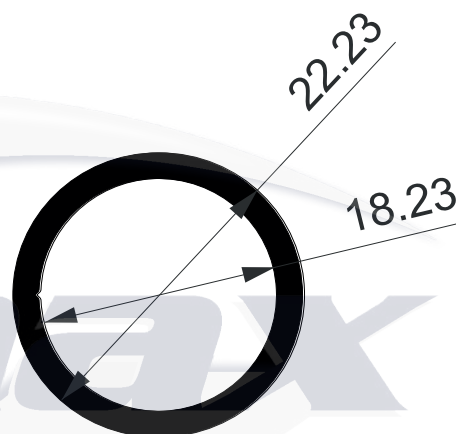
NI-7014
0,509 Kg/m



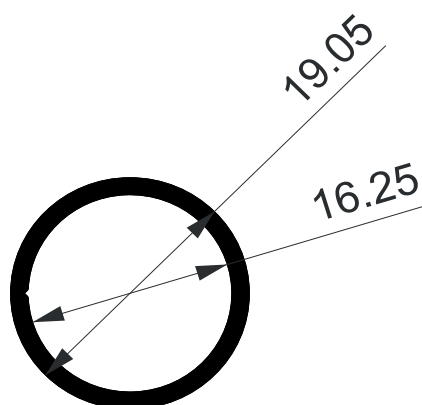
NI-7034
0,355 Kg/m



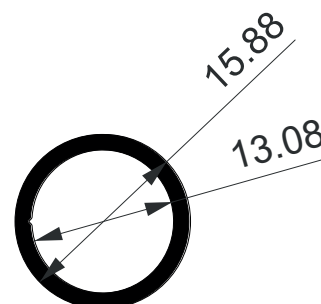
NI-7035
0,612 Kg/m



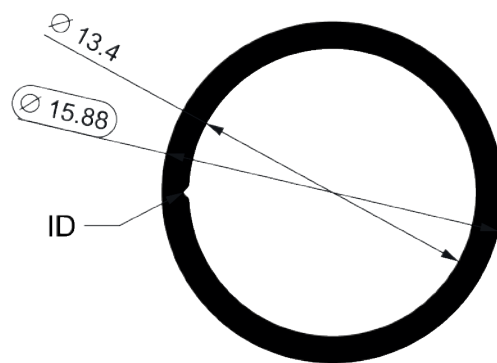
NI-2264
0,248 Kg/m



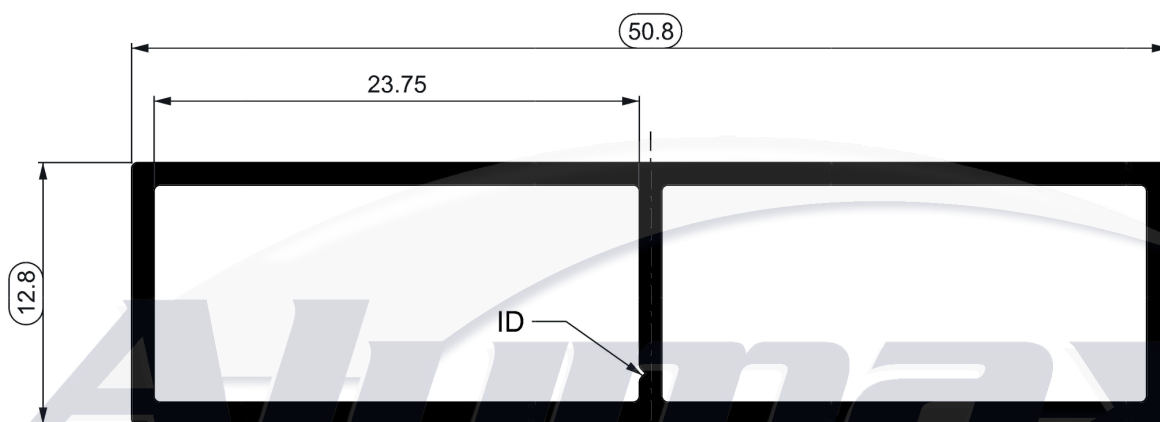
NI-2265
0,210 Kg/m



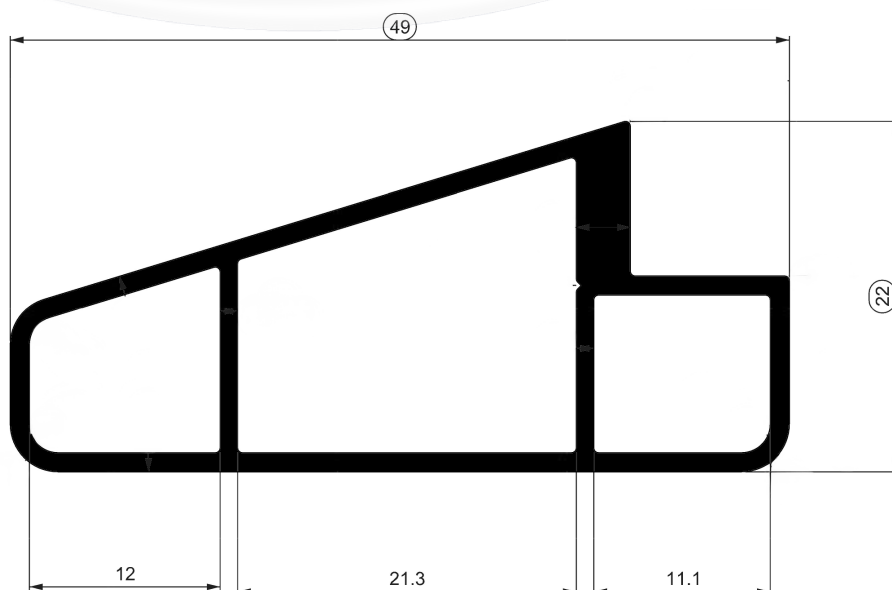
NI-2266
0,172 Kg/m



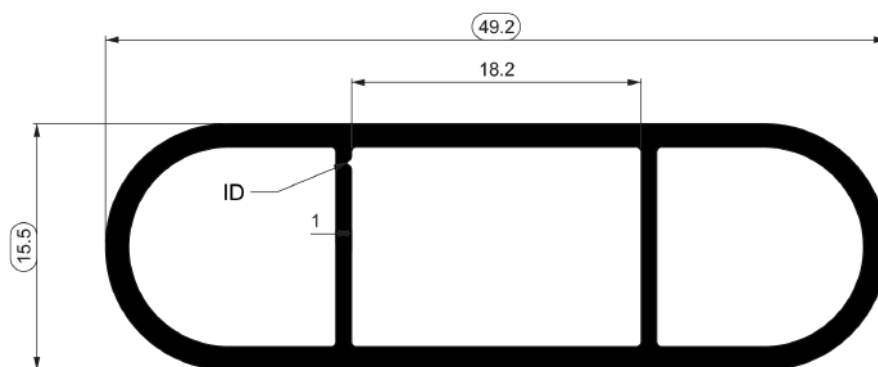
NI-2266L
0,155 Kg/m



NI-2435
0,398 Kg/m

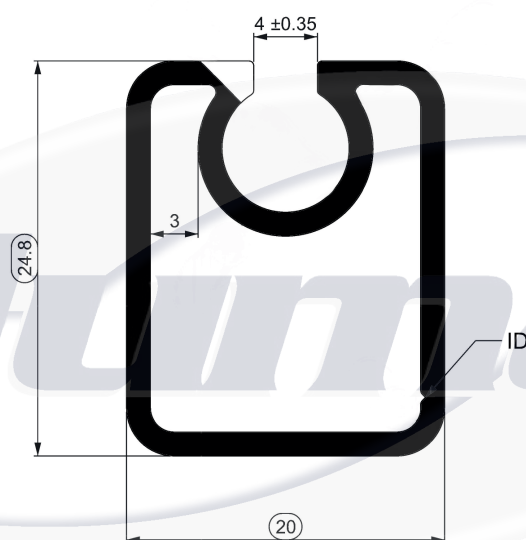


NI-2457
0,525 Kg/m



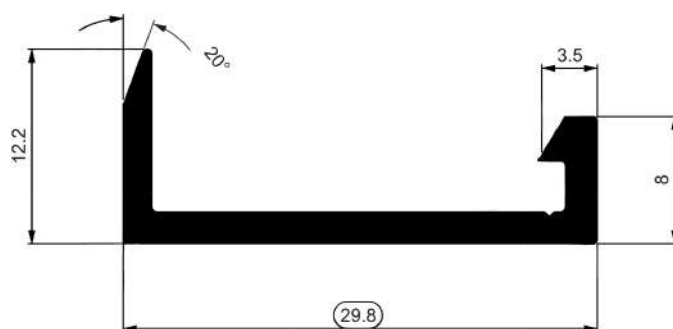
NI-2458

0,521 Kg/m



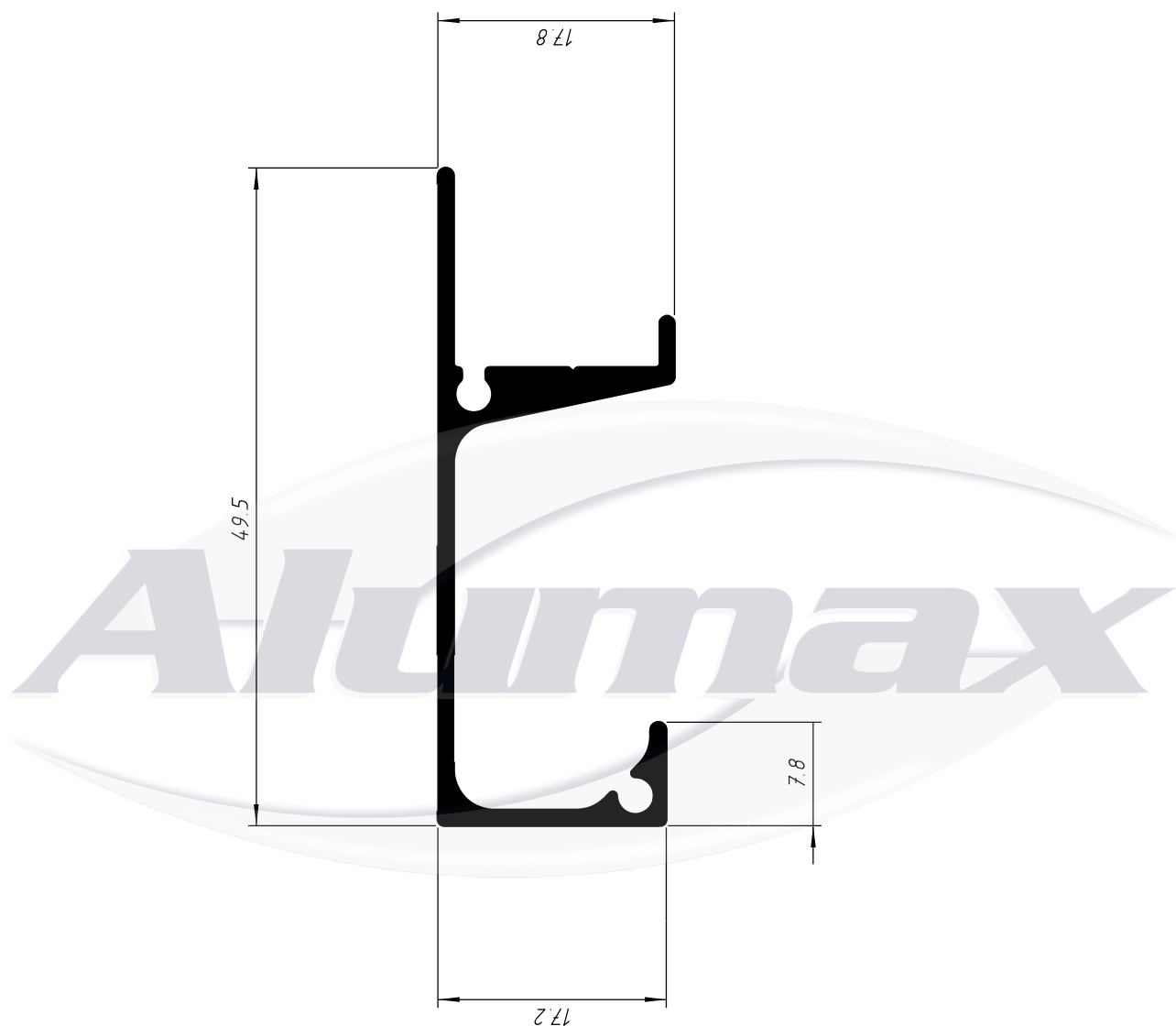
NI-2459

0,408 Kg/m



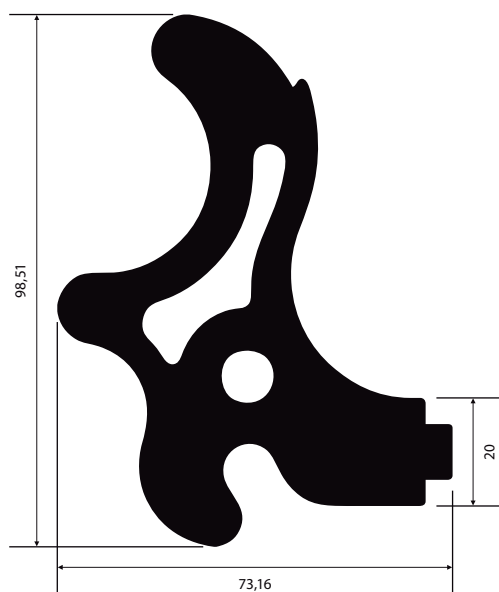
NI-2460

0,244 Kg/m

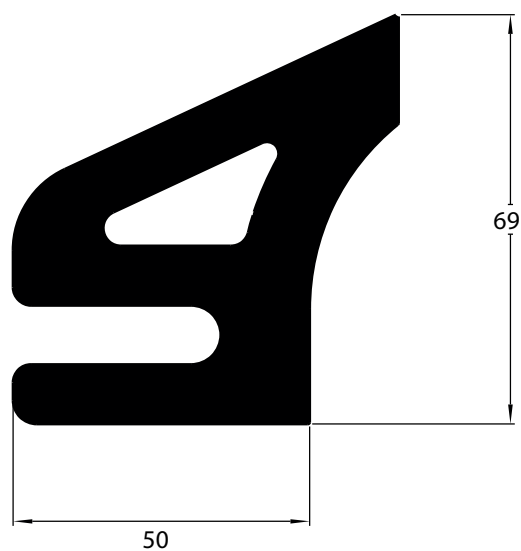


NI-4065
0,372 Kg/m

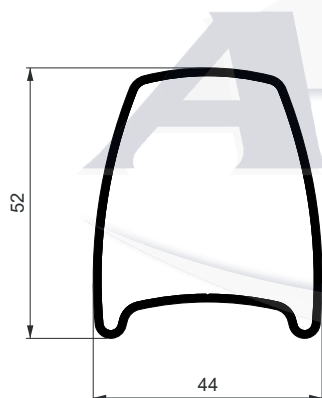
BICICLETAS



NI-052
7,184 Kg/m



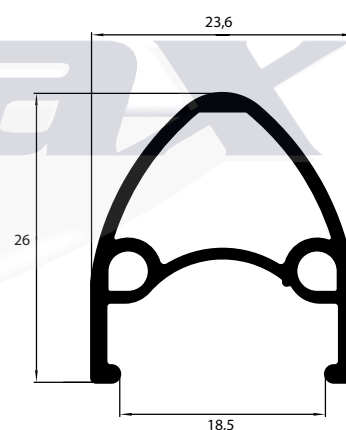
NI-2197
6,064Kg/m



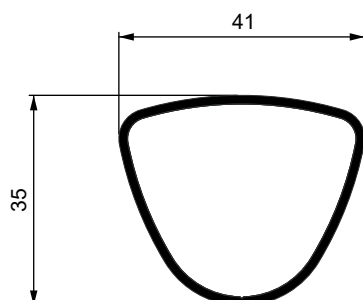
NI-2300
0,736 Kg/m



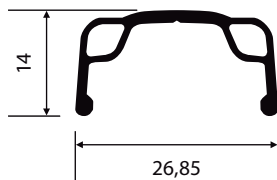
NI-2202
1,434 Kg/m



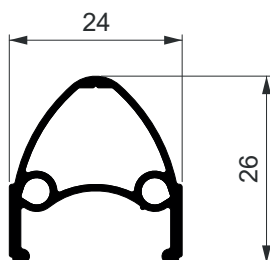
NI-2230
0,281 Kg/m



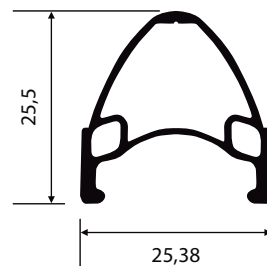
NI-2328
0,462 Kg/m



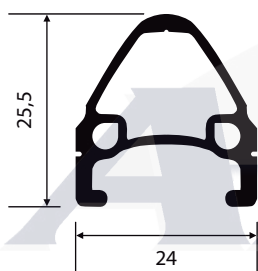
NI-306
0,202 Kg/m



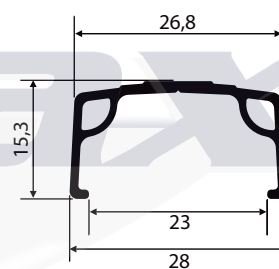
NI-2267
0,296 Kg/m



NI-342
0,314 Kg/m



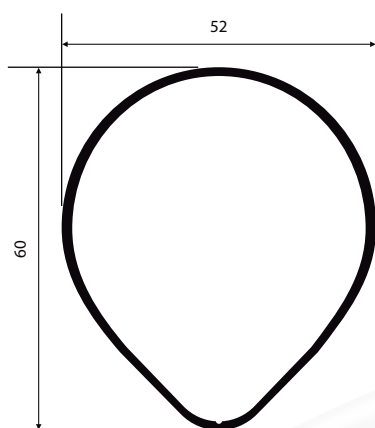
NI-377
0,329 Kg/m



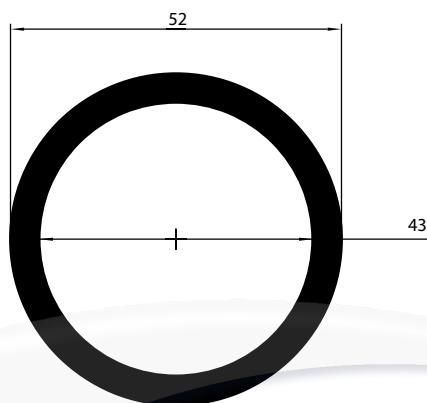
NI-381
0,219 Kg/m



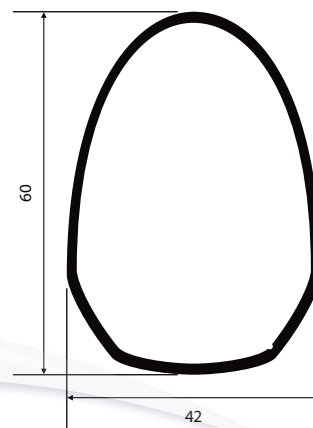
NI-2272
7,550Kg/m



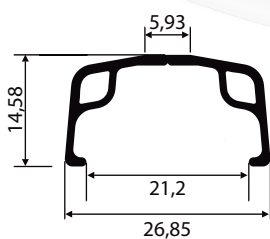
NI-233
0,680 Kg/m



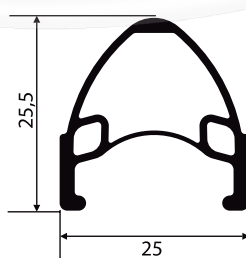
NI-2159
1,820 Kg/m



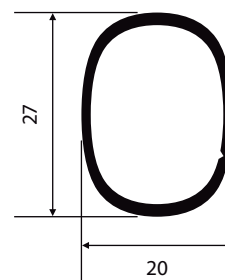
NI-248
0,695 Kg/m



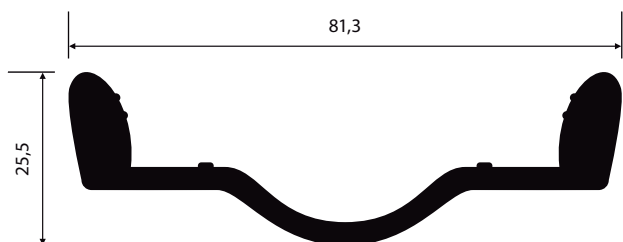
NI-131
0,210 Kg/m



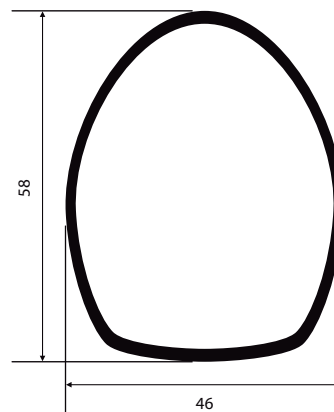
NI-834
0,325 Kg/m



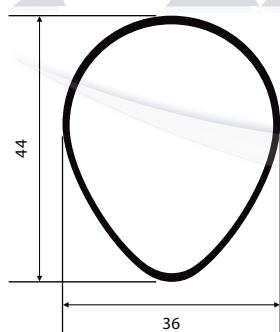
NI-232
0,296 Kg/m



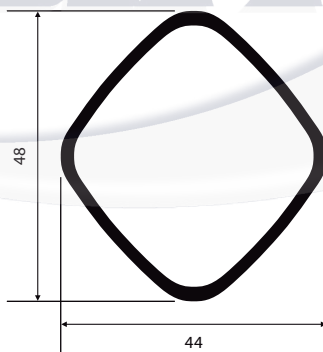
NI-378
1,324 Kg/m



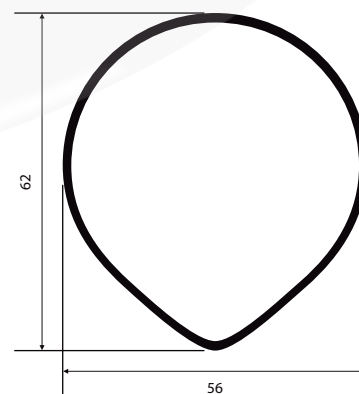
XKS-02
0,747 Kg/m



XKS-01
0,530 Kg/m



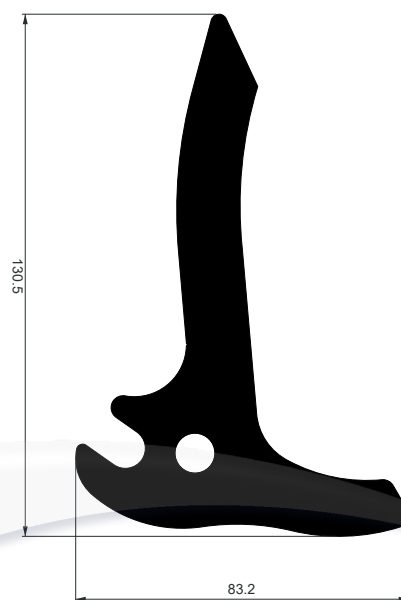
XKS-04
0,766 Kg/m



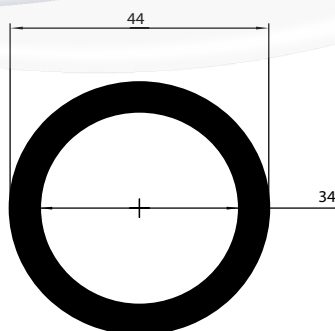
XKS-03
0,680 Kg/m



NI-2273
9,125 Kg/m

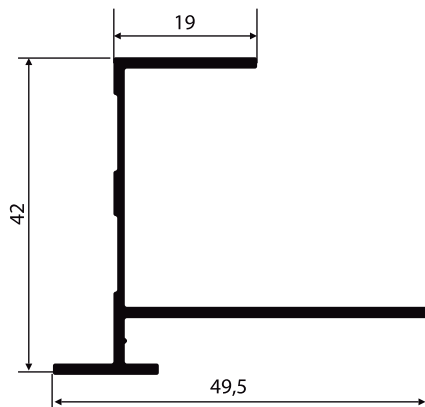


NI-2274
8,409 Kg/m

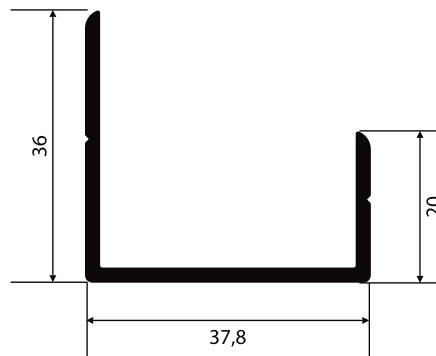


NI-2158
1,660 Kg/m

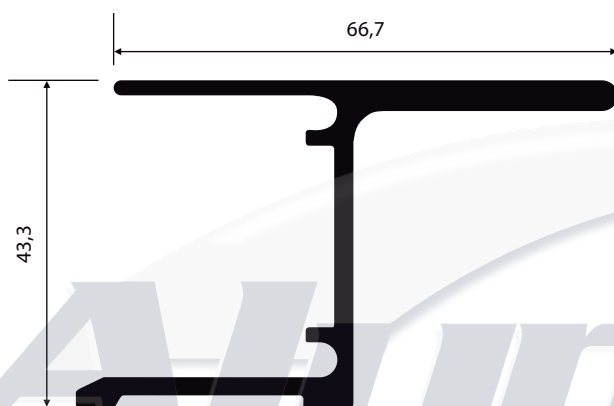
IMPLEMENTOS RODOVIÁRIOS



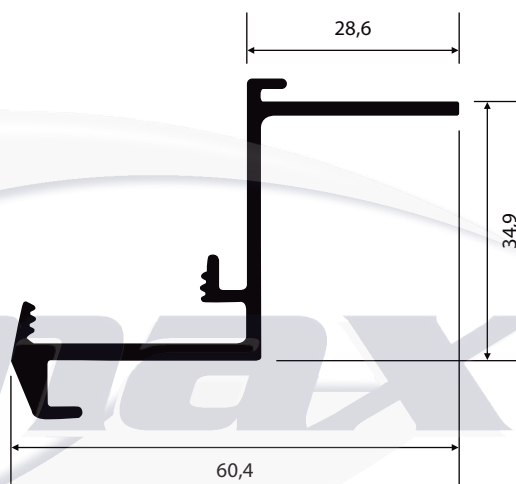
NI-366
0,428 Kg/m



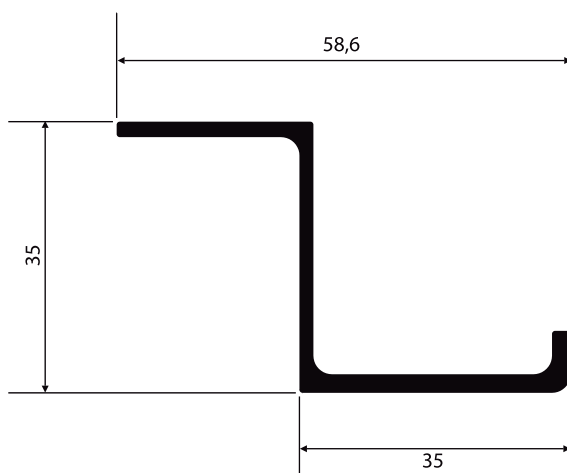
NI-1022
0,478 Kg/m



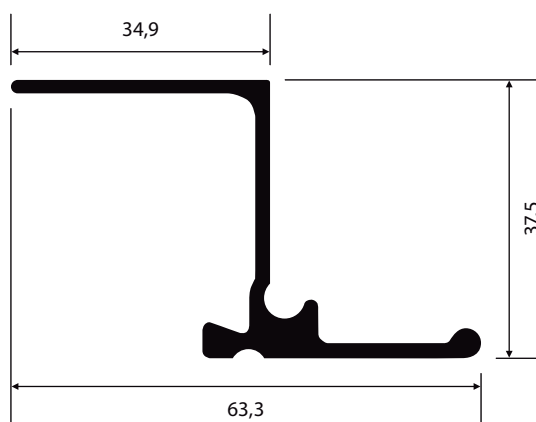
NI-212
1,149 Kg/m



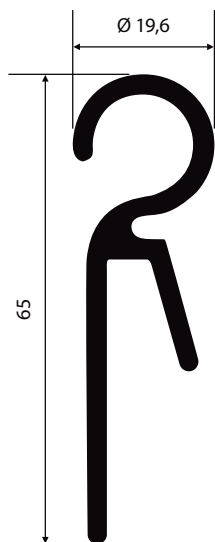
NI-064
0,733 Kg/m



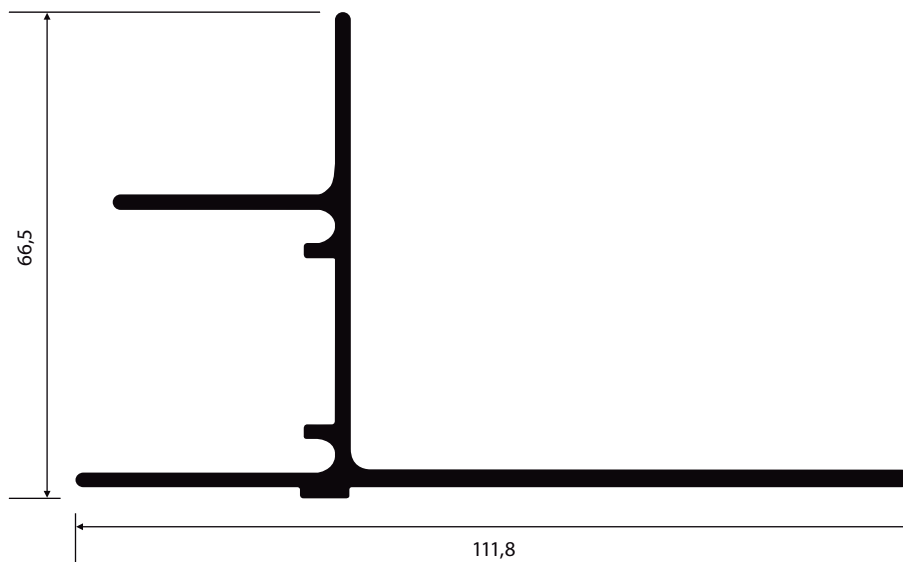
NI-031
0,557 Kg/m



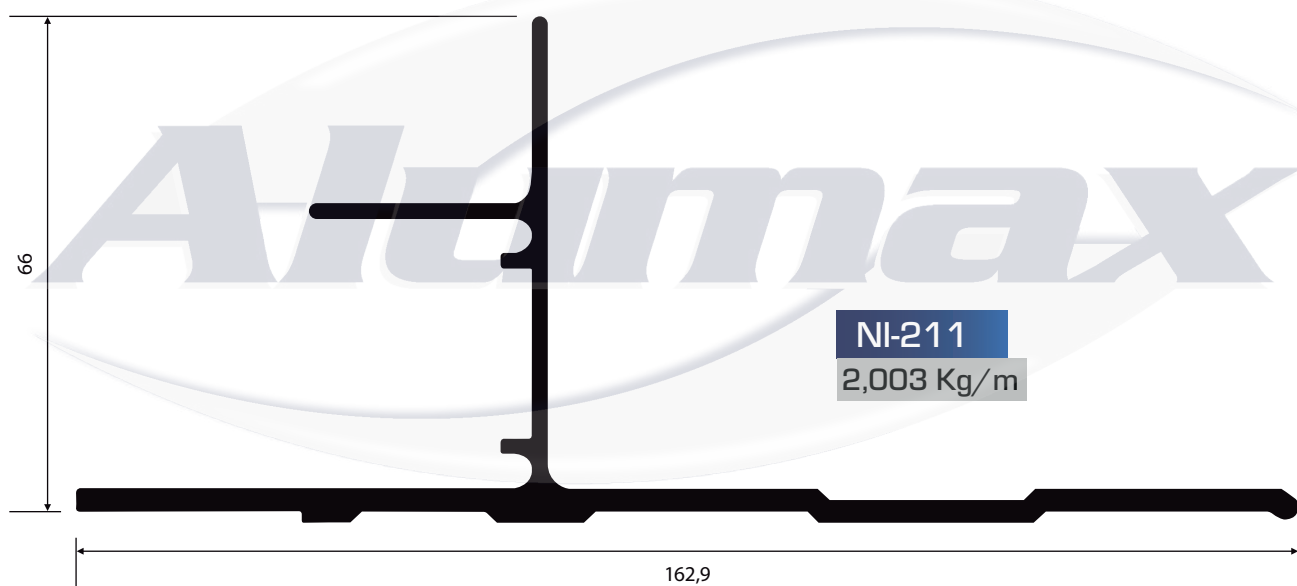
NI-207
0,706 Kg/m



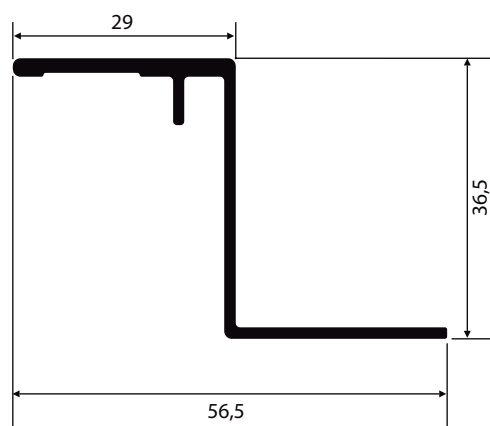
NI-060
0,888 Kg/m



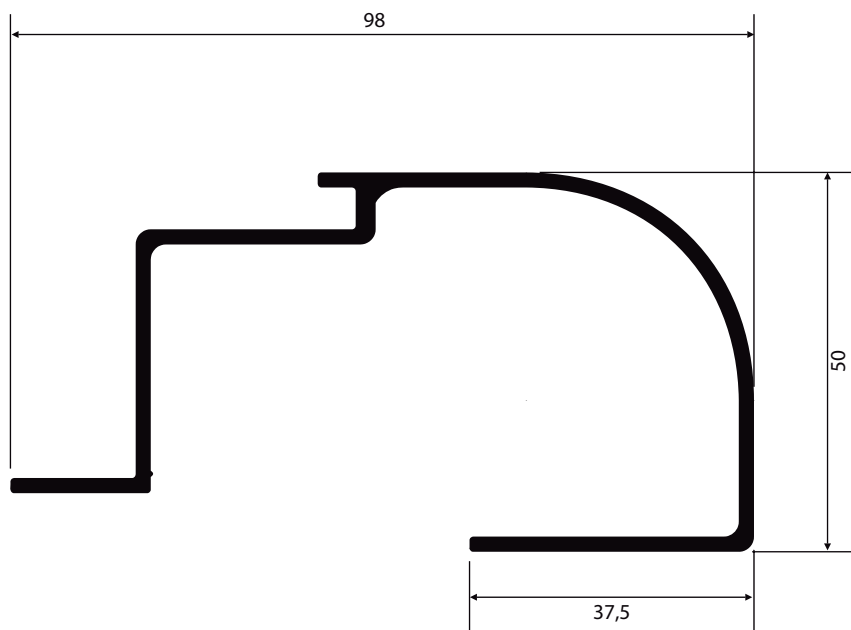
NI-210
1,295 Kg/m



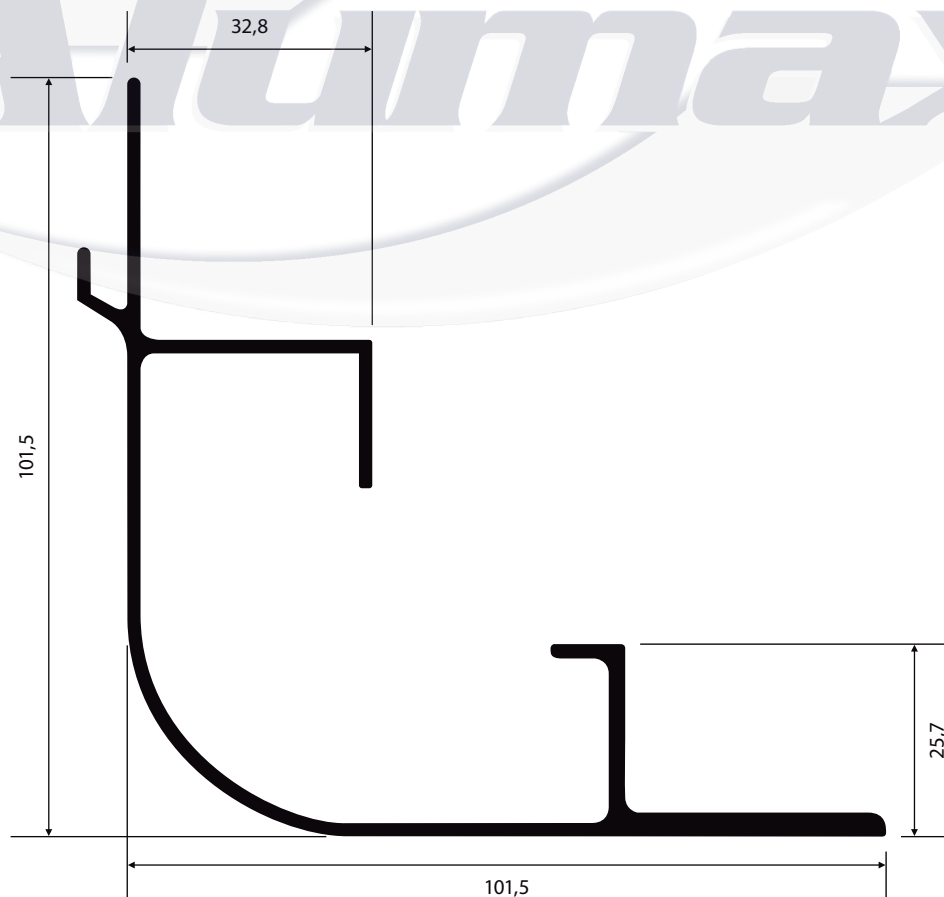
NI-211
2,003 Kg/m



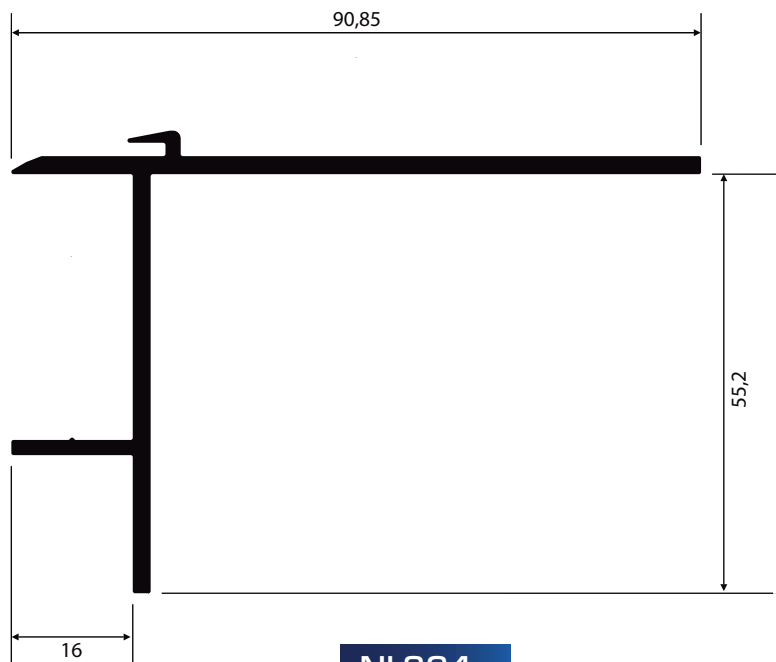
NI-365
0,445 Kg/m



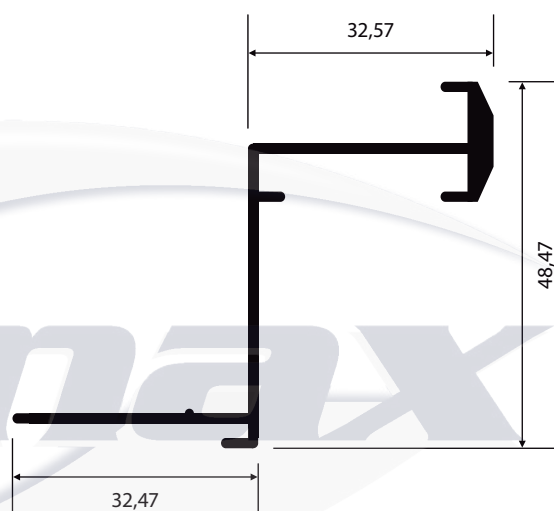
NI-363
1,177 Kg/m



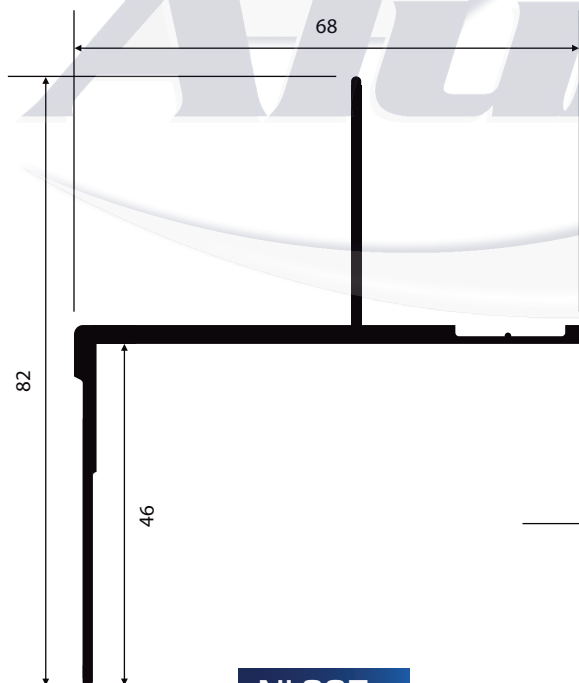
NI-214
1,550 Kg/m



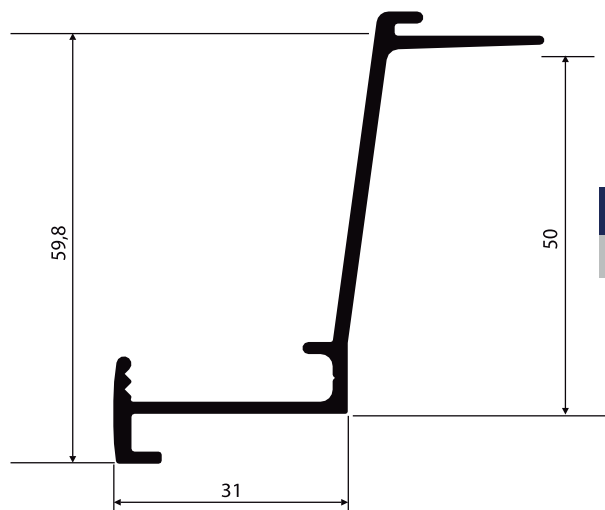
NI-364
1,046 Kg/m



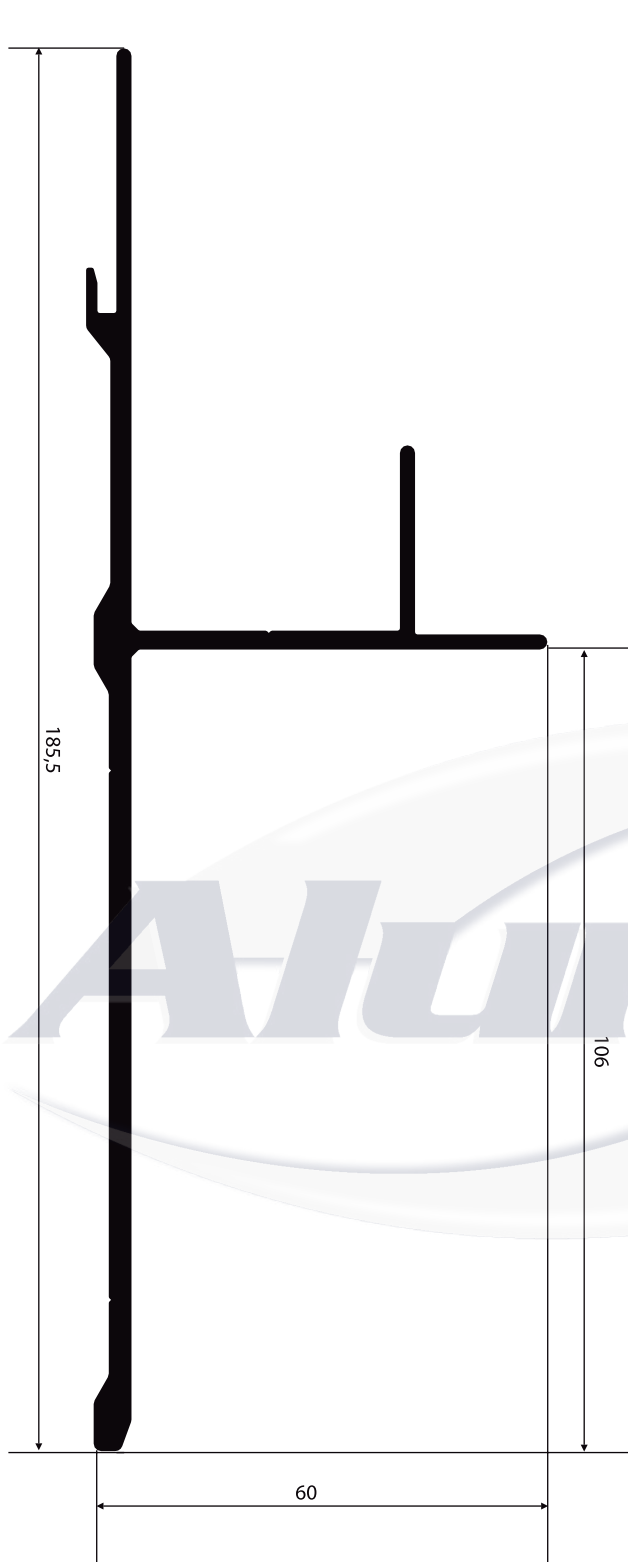
NI-368
0,649 Kg/m



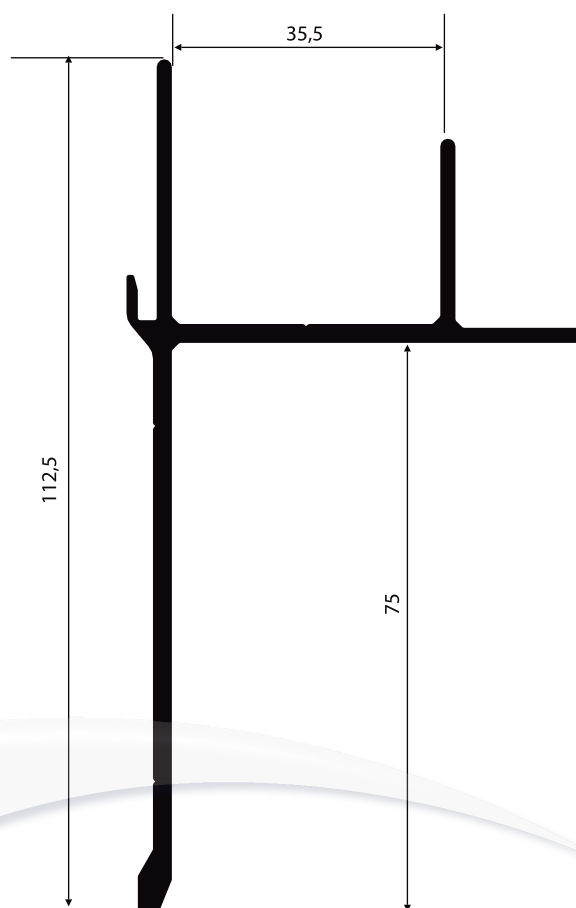
NI-367
0,846 Kg/m



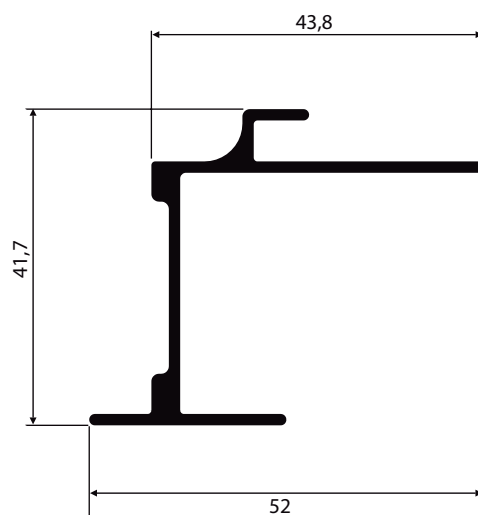
NI-412
0,628 Kg/m



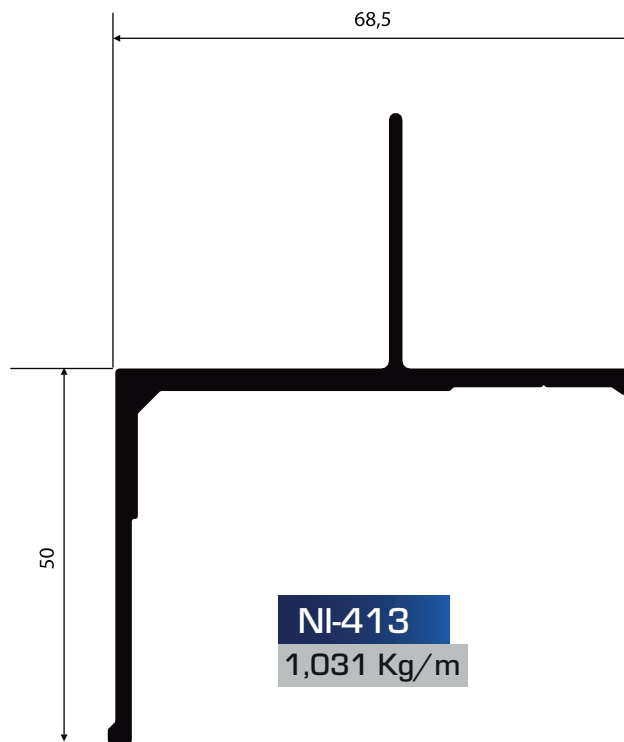
NI-414
2,025 Kg/m



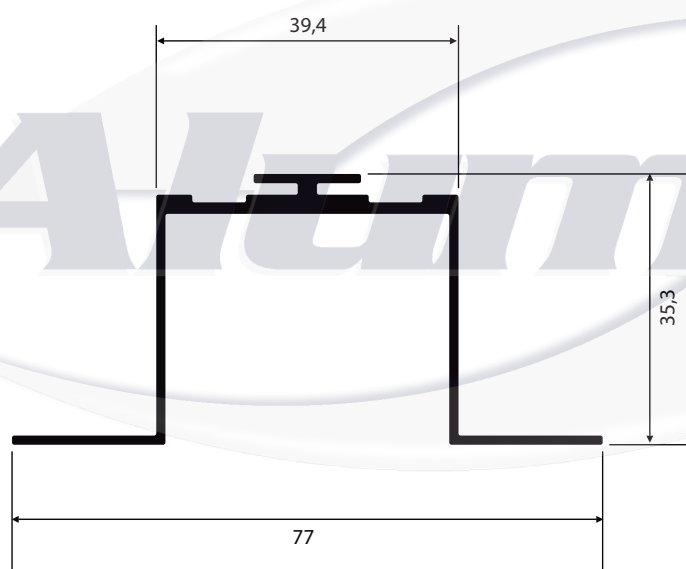
NI-420
1,264 Kg/m



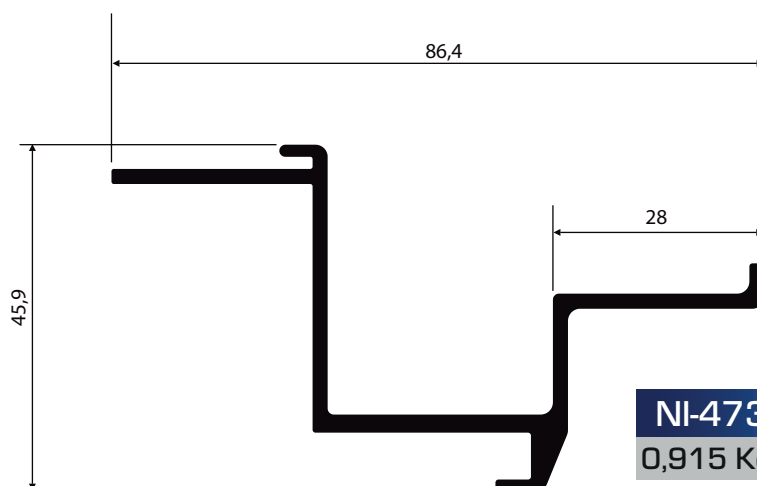
NI-486
0,539 Kg/m



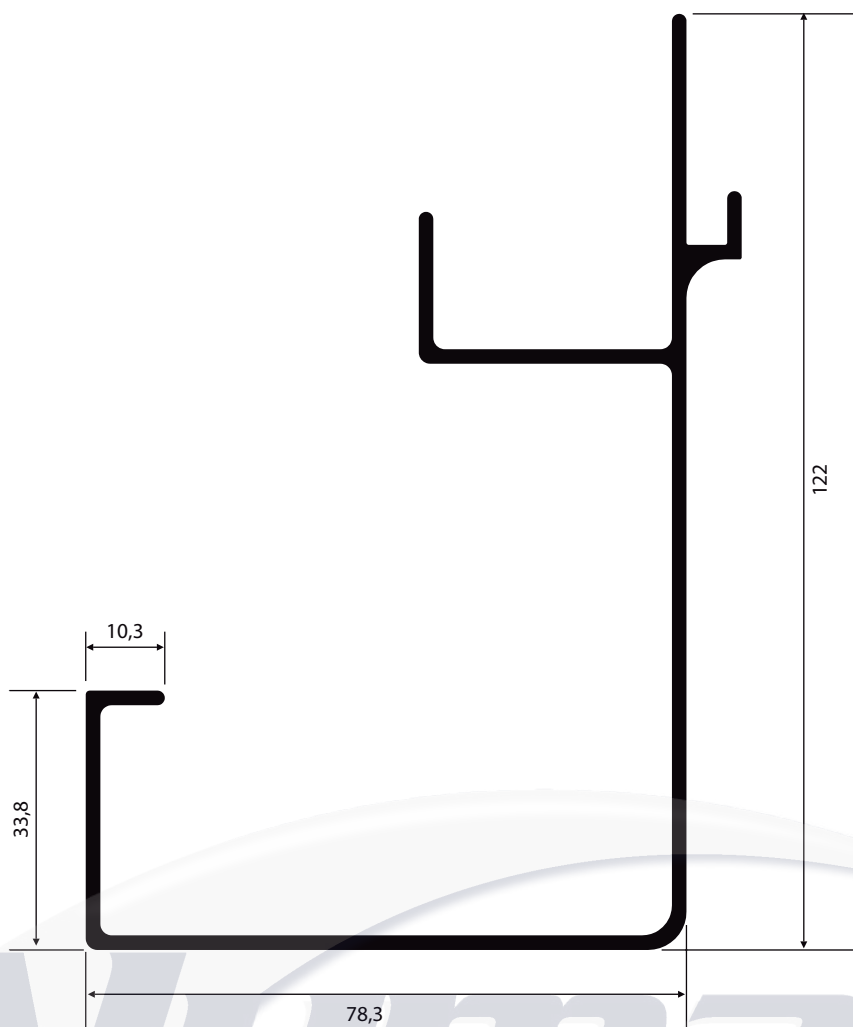
NI-413
1,031 Kg/m



NI-430
0,602 Kg/m

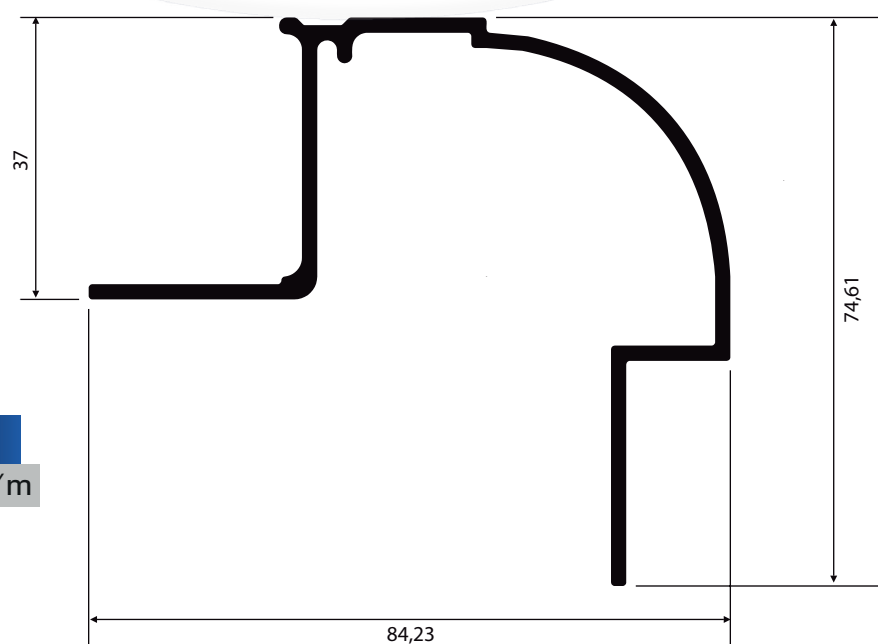


NI-473
0,915 Kg/m



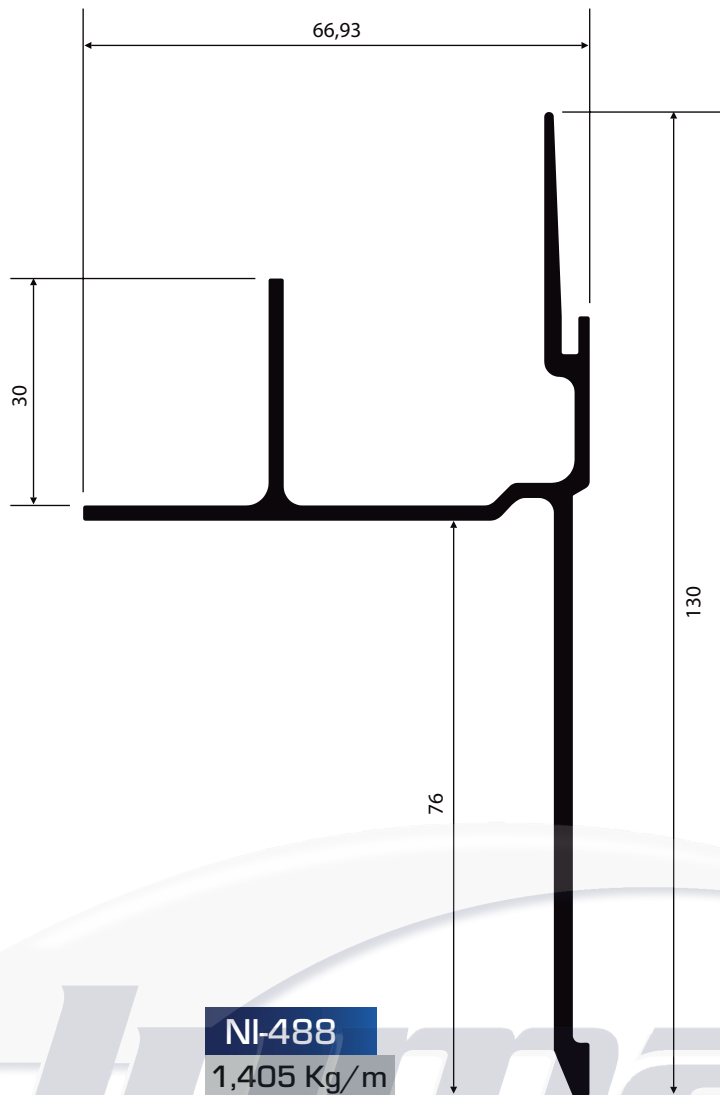
NI-475

1,573 Kg/m

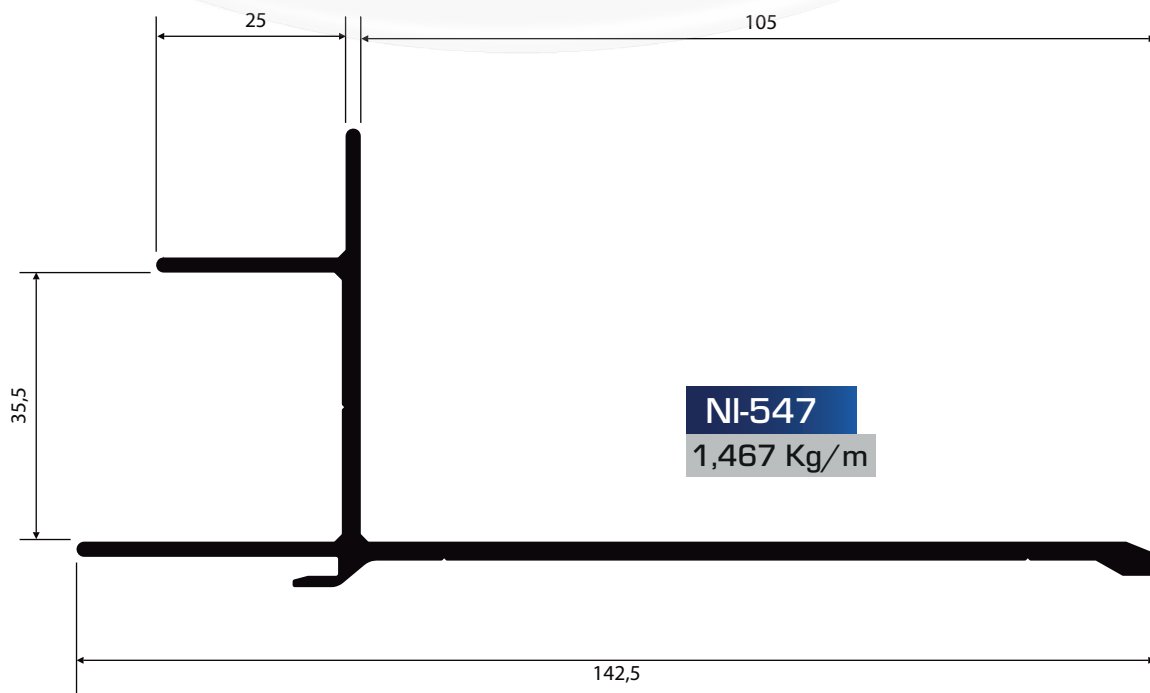


NI-491

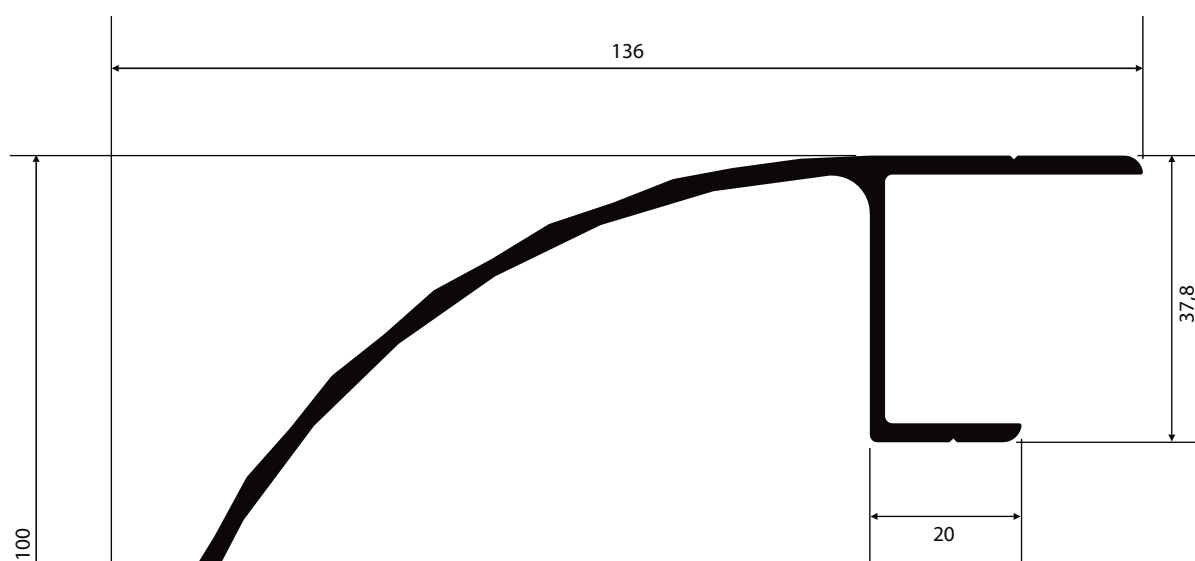
1,082 Kg/m



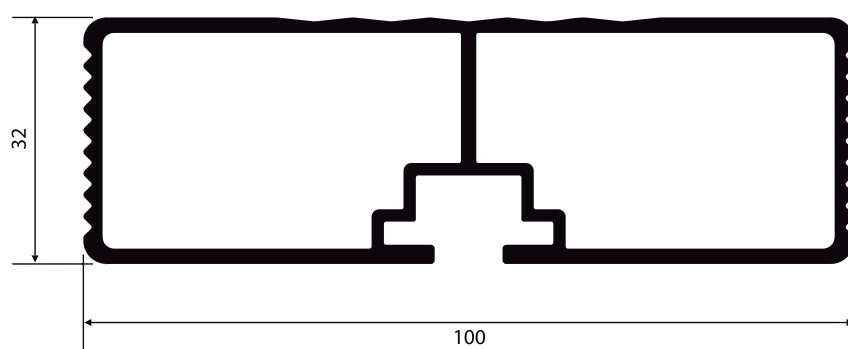
NI-488
1,405 Kg/m



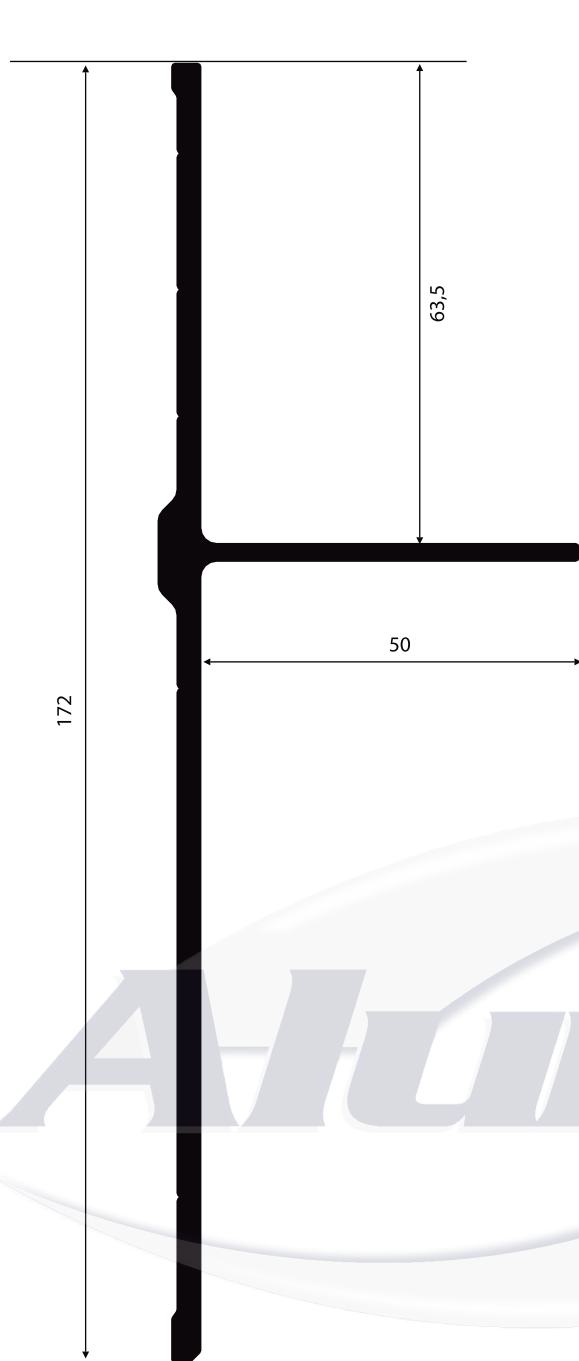
NI-547
1,467 Kg/m



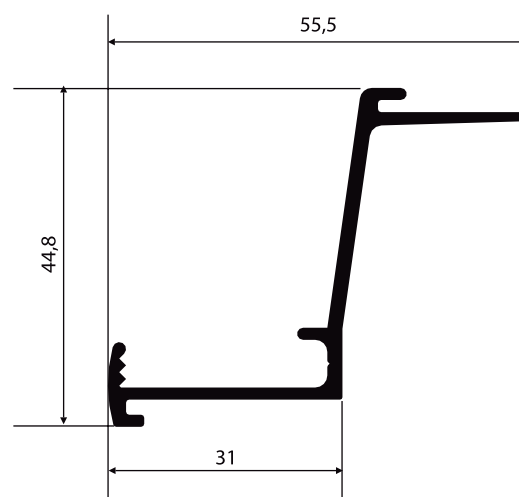
NI-536
1,647 Kg/m



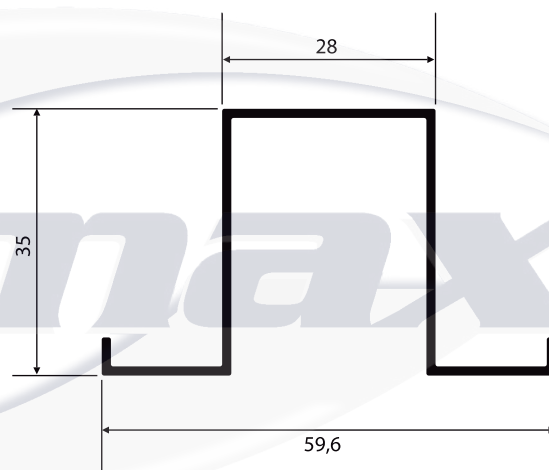
NI-537
1,353 Kg/m



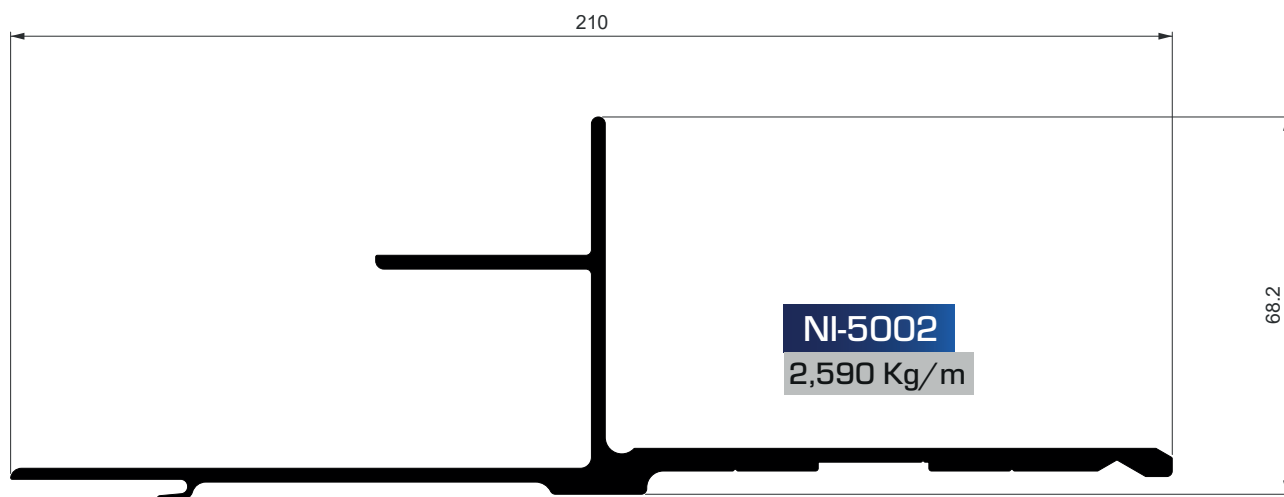
NI-682
1,981 Kg/m



NI-695
0,530 Kg/m

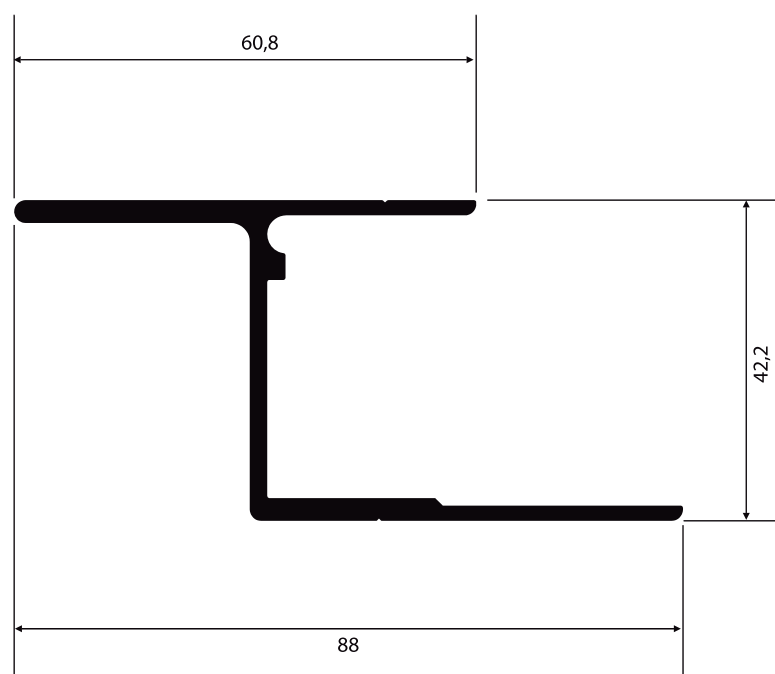


NI-699
0,438 Kg/m

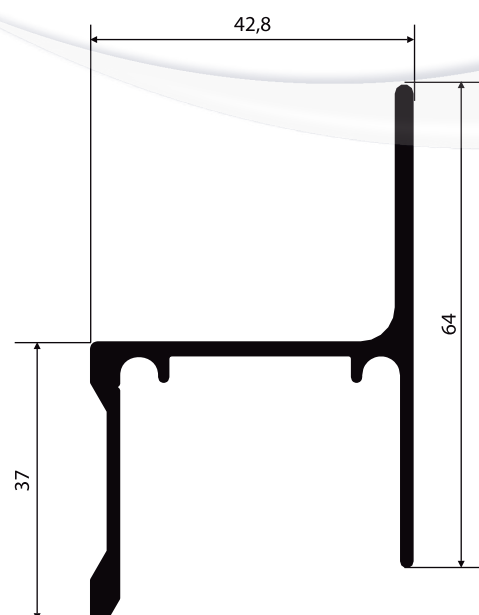


NI-5002
2,590 Kg/m

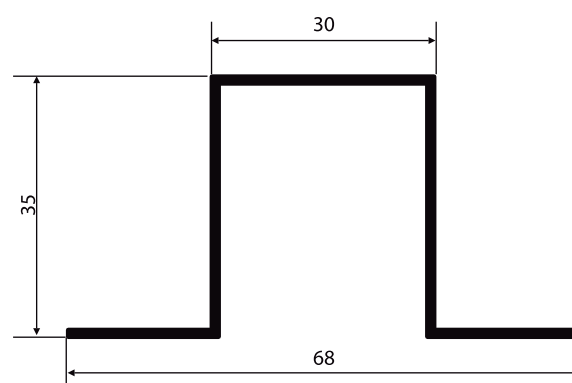
NI-687
1,048Kg/m



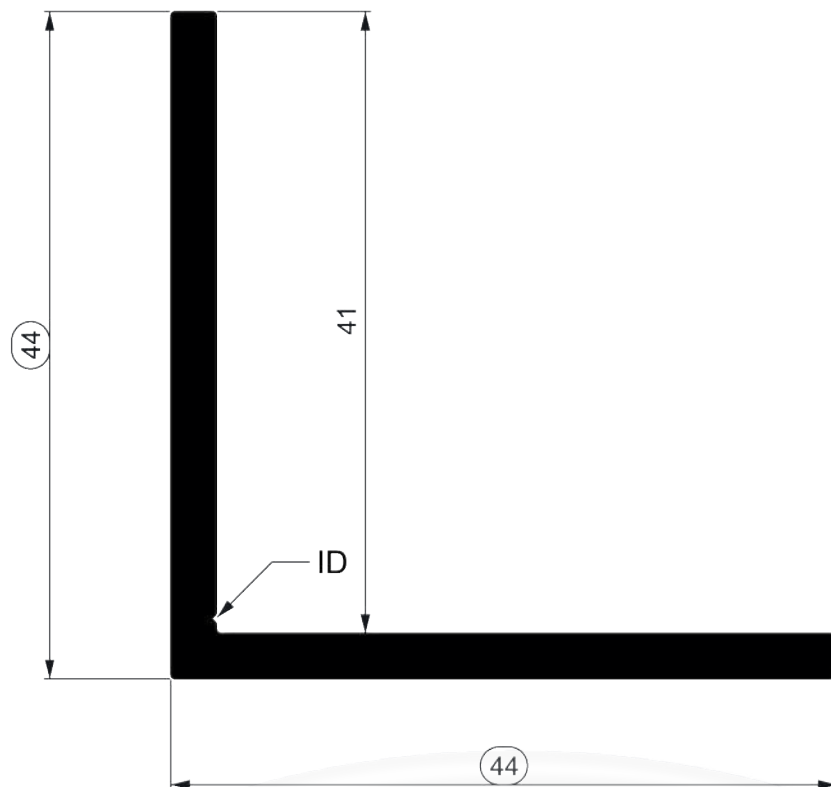
NI-791
1,196 Kg/m



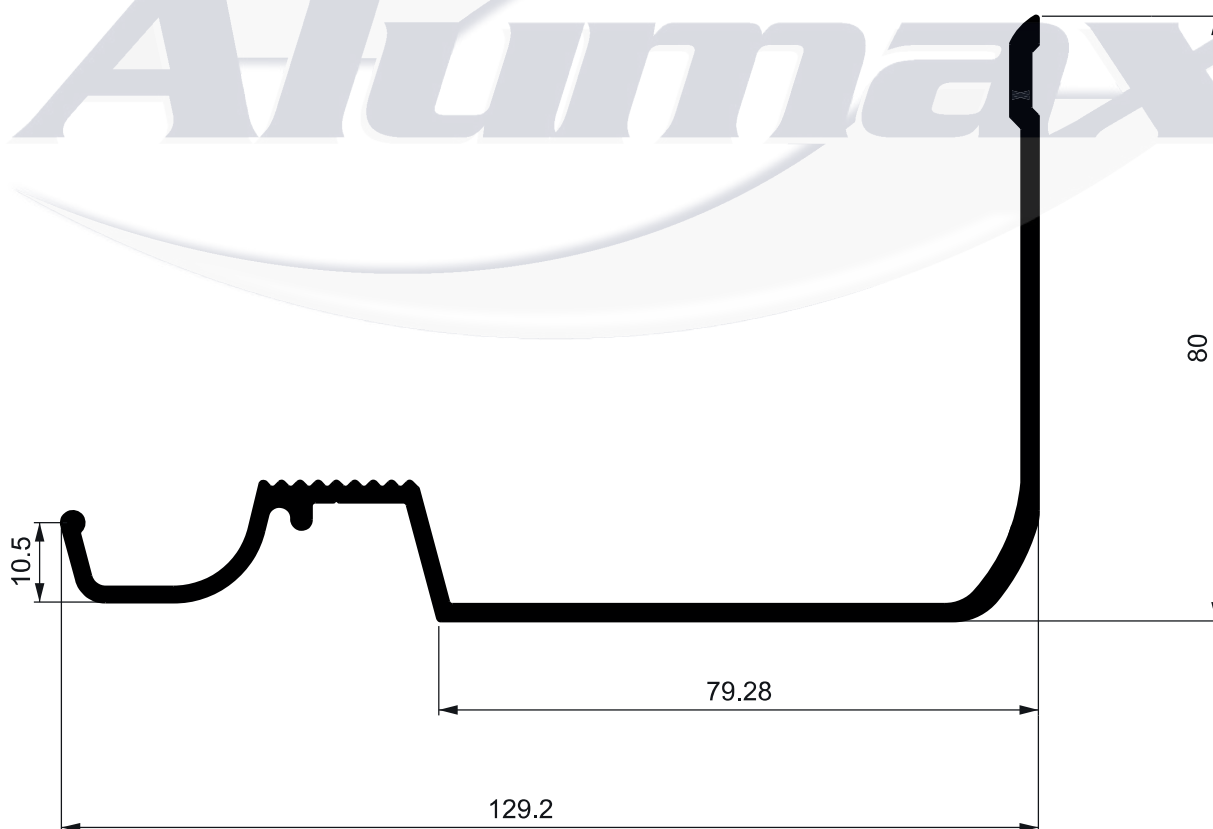
NI-887
0,889 Kg/m



NI-888
0,548 Kg/m

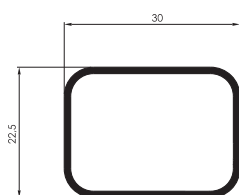


NI-2461
0,691 Kg/m

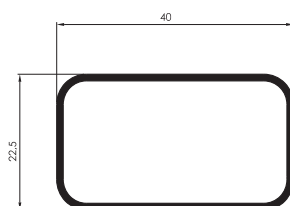


NI-2481
1,430 Kg/m

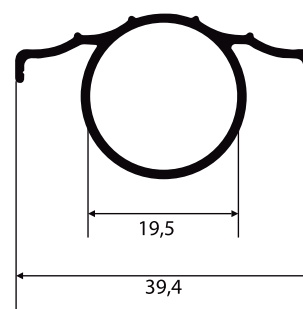
ESCADAS



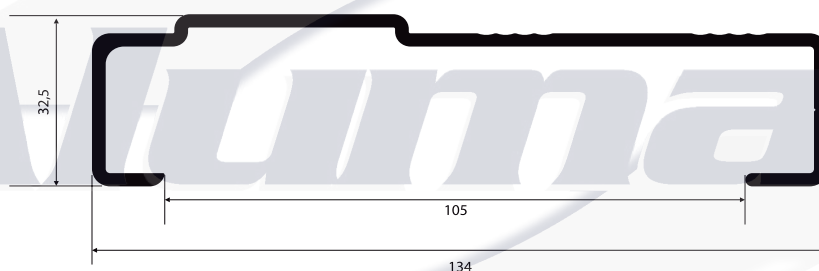
NI-872
0,252 Kg/m



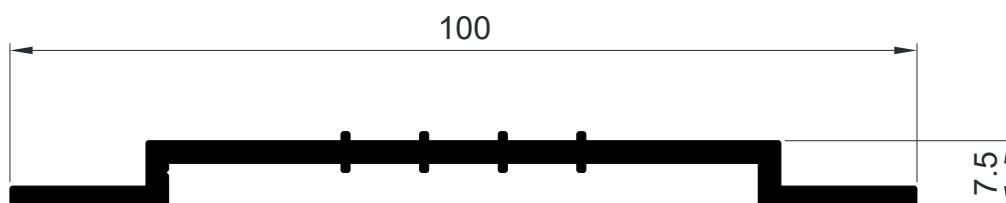
NI-873
0,336 Kg/m



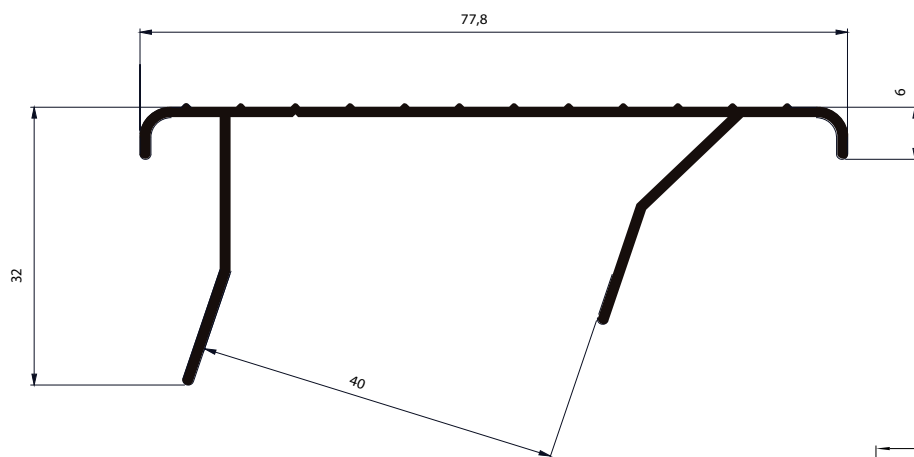
NI-1136
0,319 Kg/m



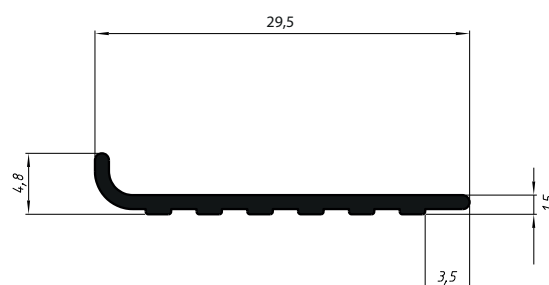
NI-1135
1,416 Kg/m



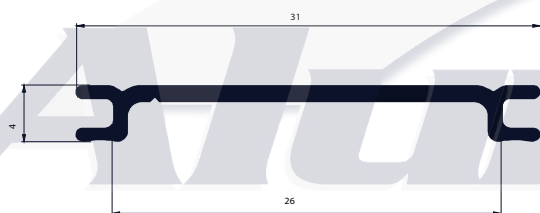
NI-2253
0,765 Kg/m



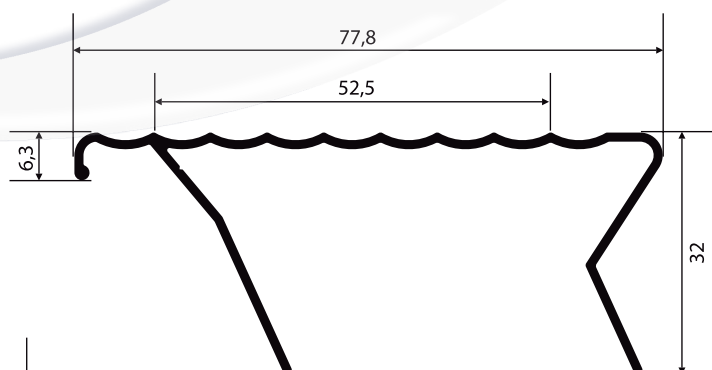
NI-1198
0,478 Kg/m



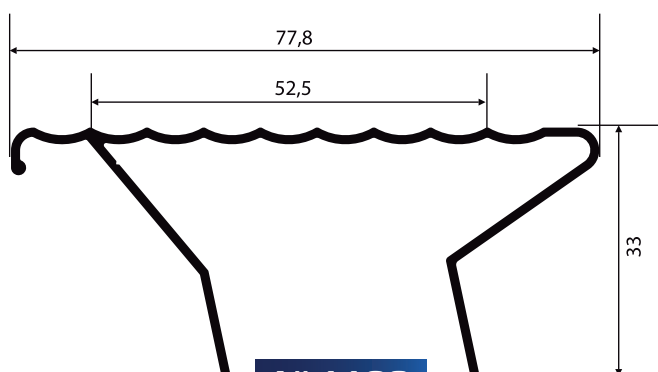
NI-1661
0,106 Kg/m



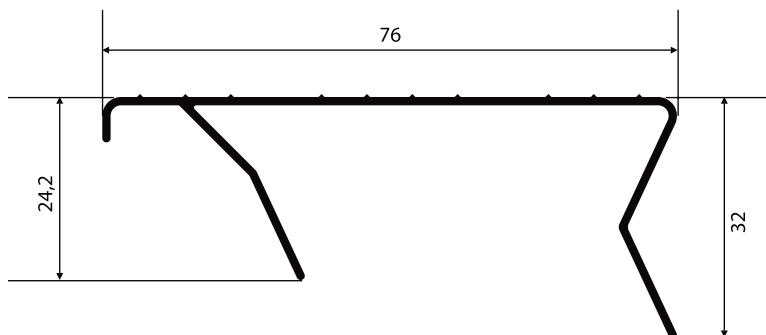
NI-1208
0,123 Kg/m



NI-1137
0,504 Kg/m

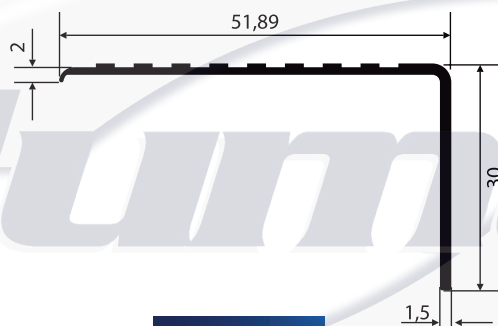


NI-1138
0,532 Kg/m



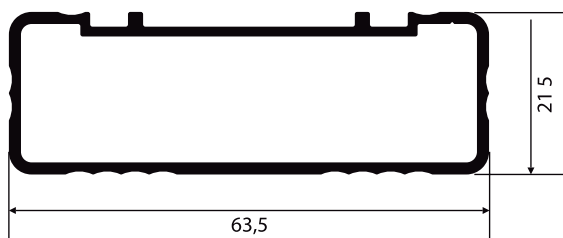
NI-874

0,424 Kg/m



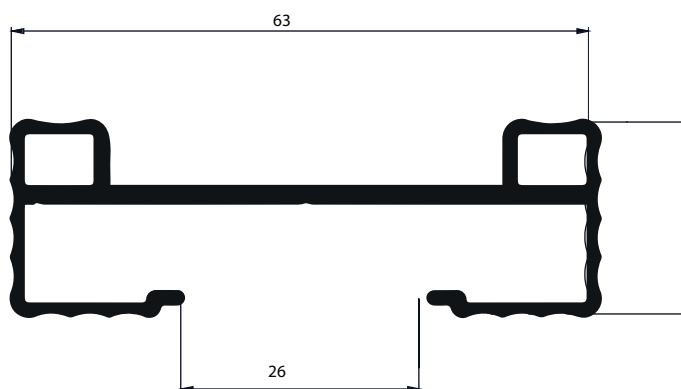
NI-1069

0,289 Kg/m



NI-1134

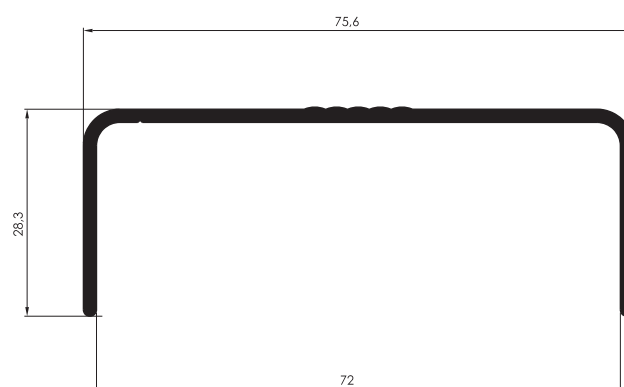
0,654 Kg/m



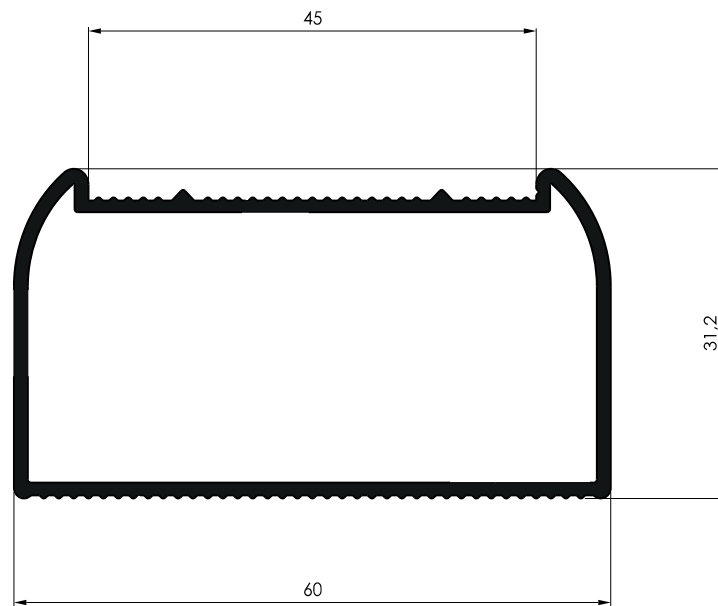
NI-1209
0,680 Kg/m



NI-1296
0,526 Kg/m

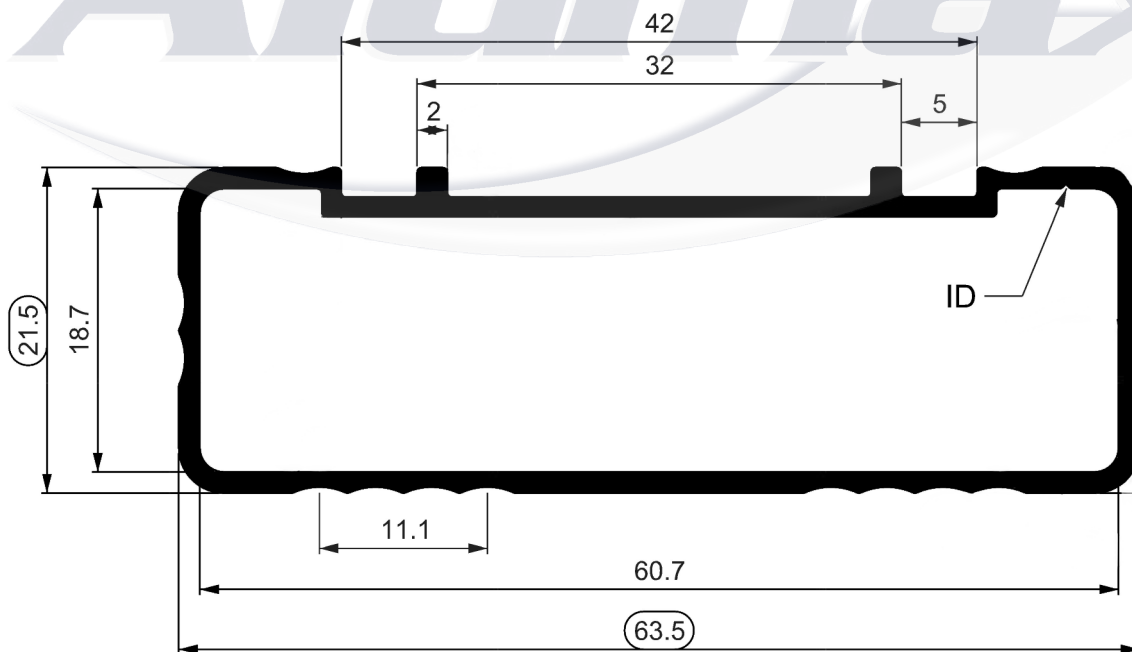


NI-1350
0,615 Kg/m



NI-1345

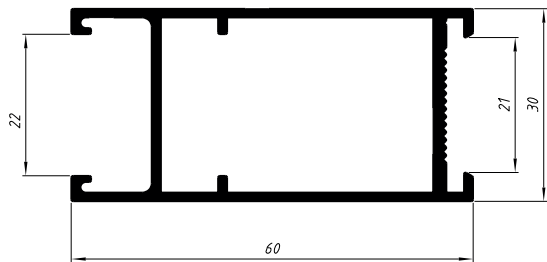
0,627 Kg/m



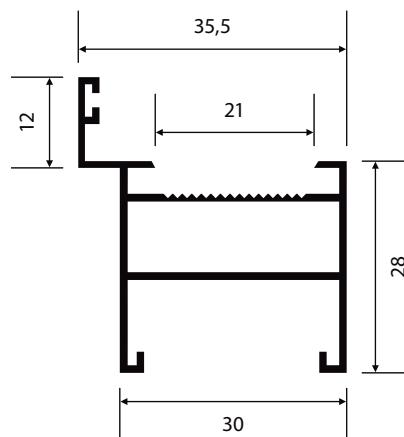
NI-1134L

0,595 Kg/m

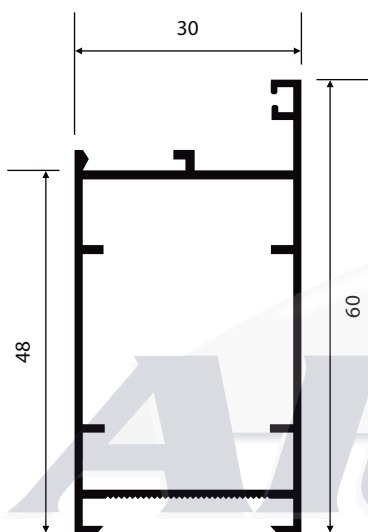
LINHA 30



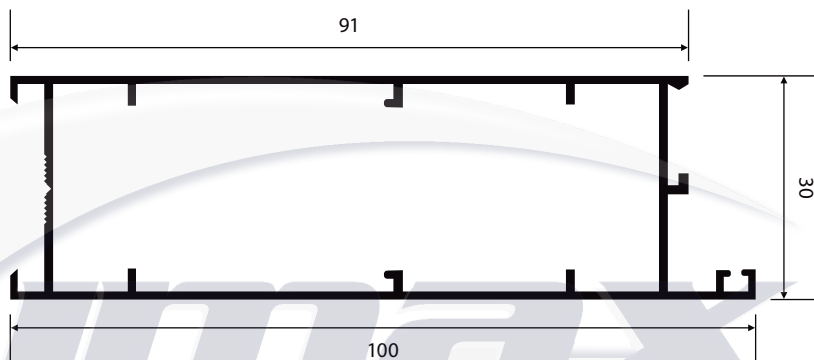
A-144
0,766 Kg/m



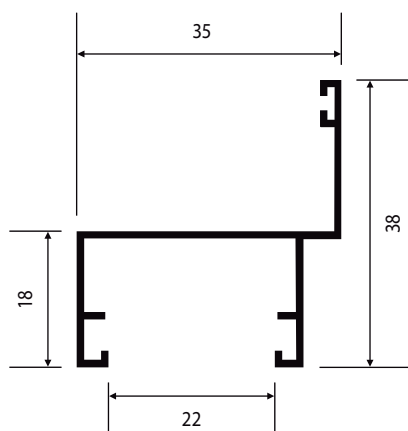
P-273
0,563 Kg/m



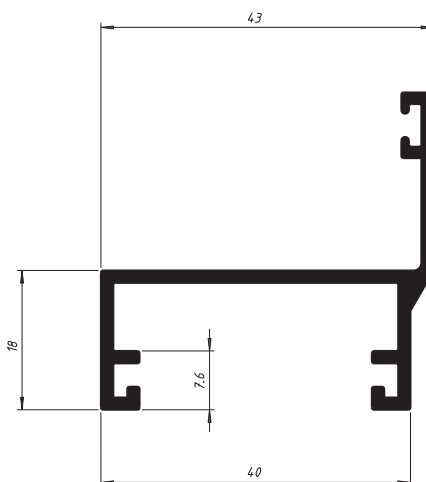
P-270
0,793 Kg/m



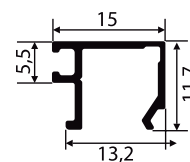
P-264
1,156 Kg/m



Y-140
0,386 Kg/m

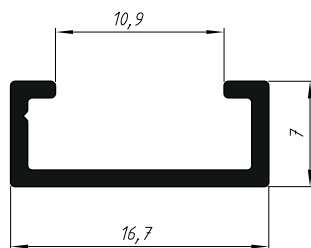


Y-181
0,535 Kg/m

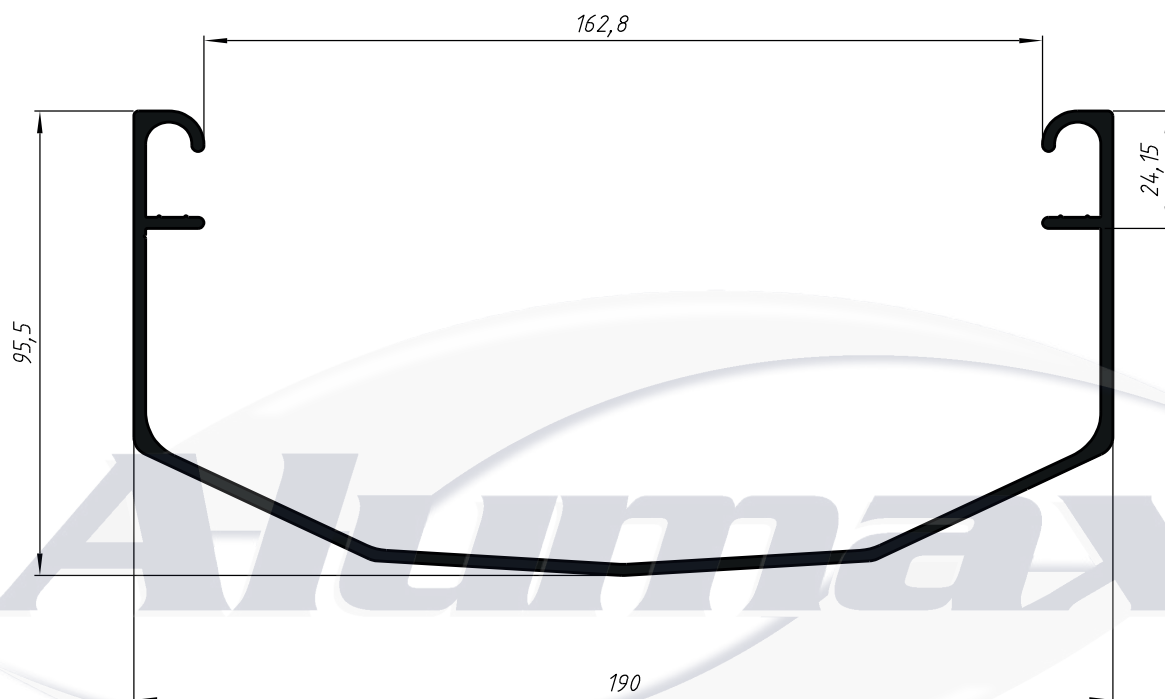


U-482
0,114 Kg/m

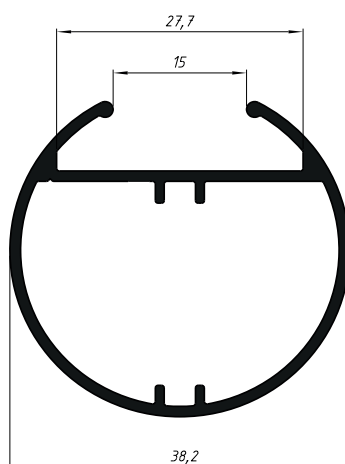
ESTUFA AGRÍCOLA



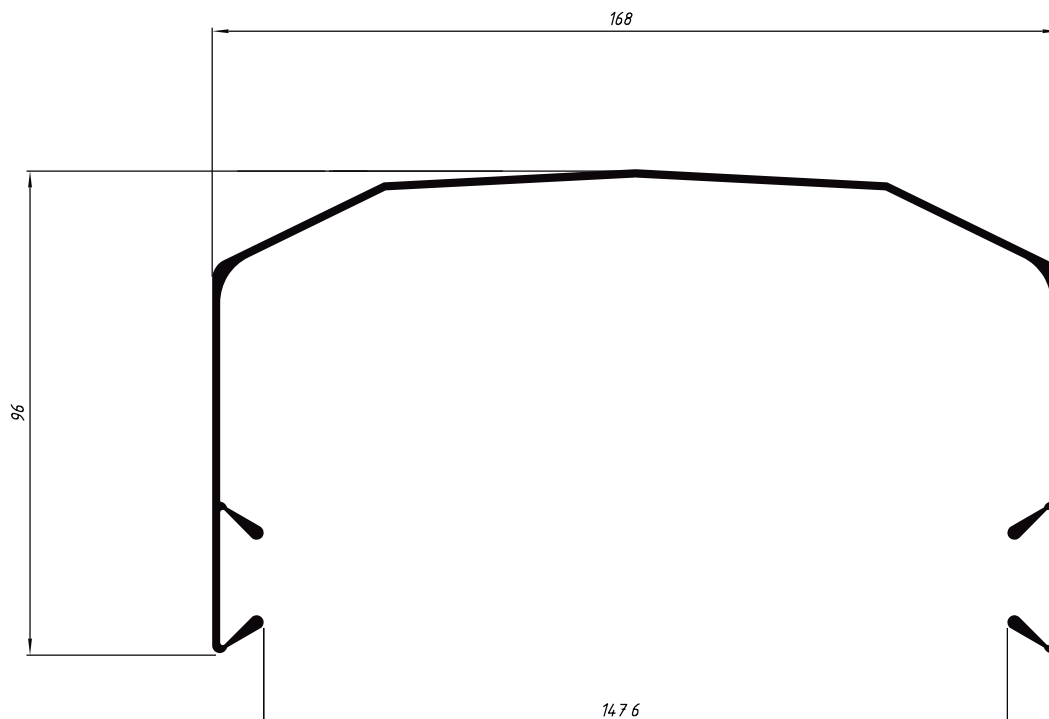
NI-2112
0,095 Kg/m



NI-2031
2,469 Kg/m

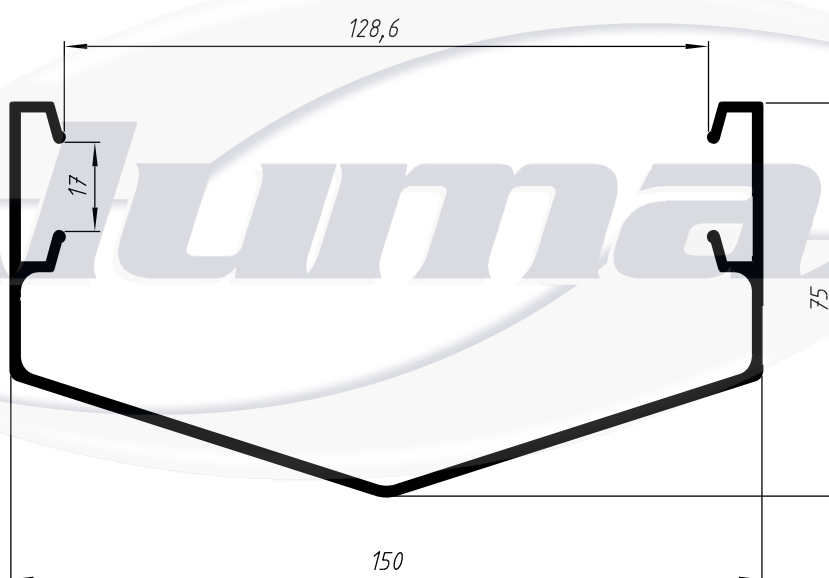


NI-2113
0,467 Kg/m



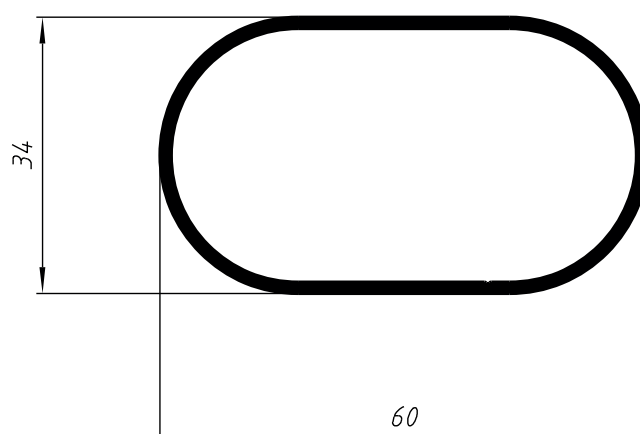
NI-1504

1,646 Kg/m



NI-1973

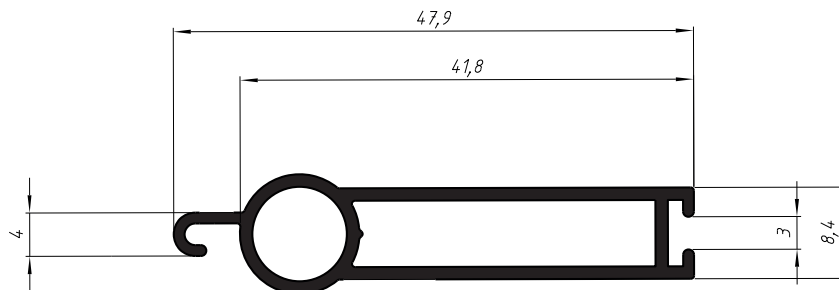
1,433 Kg/m



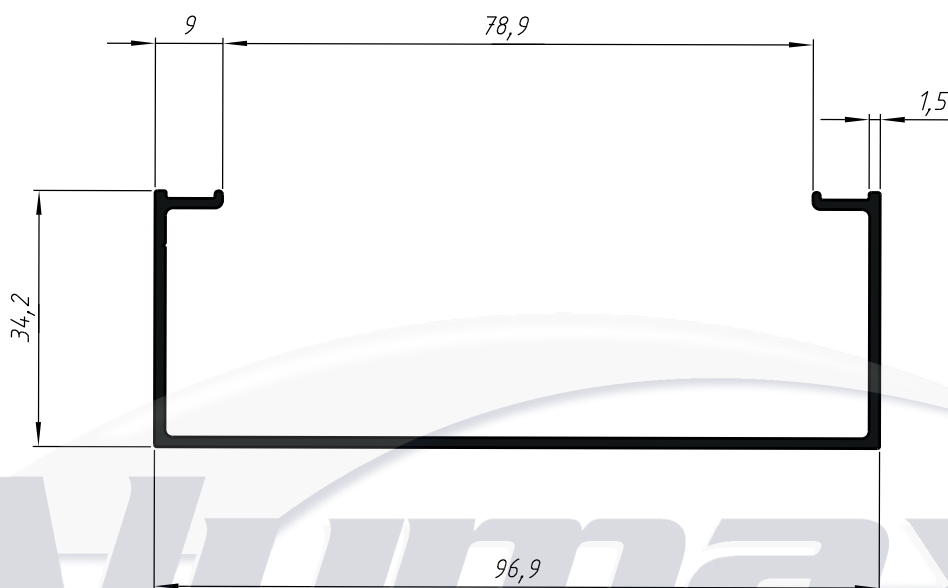
NI-2024

0,585 Kg/m

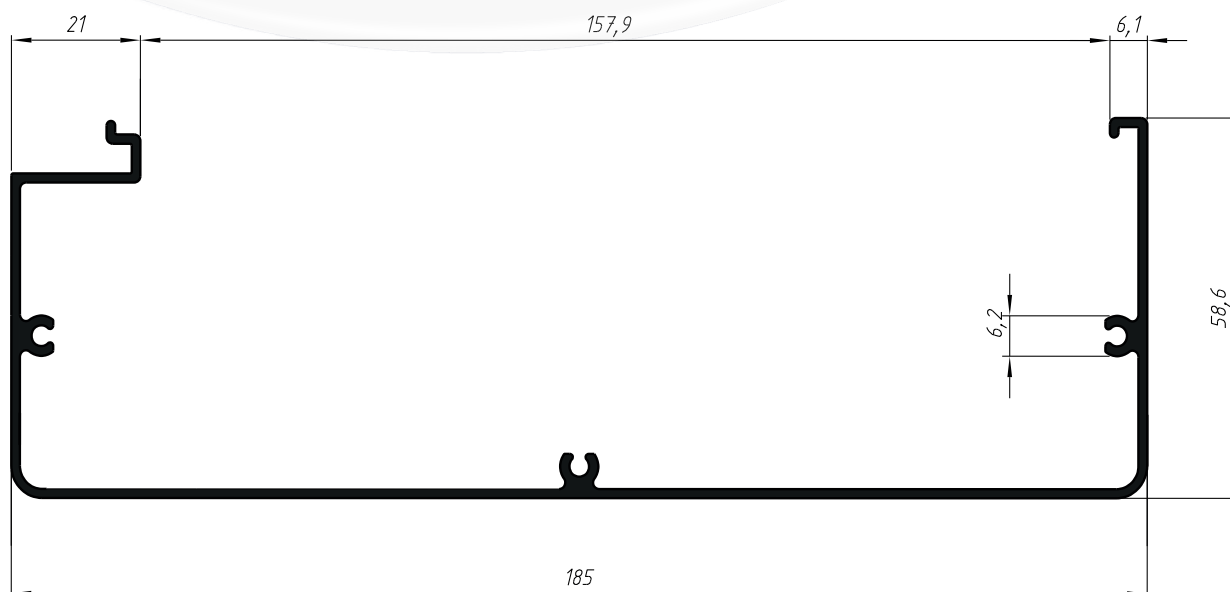
LINHA INTEGRADA



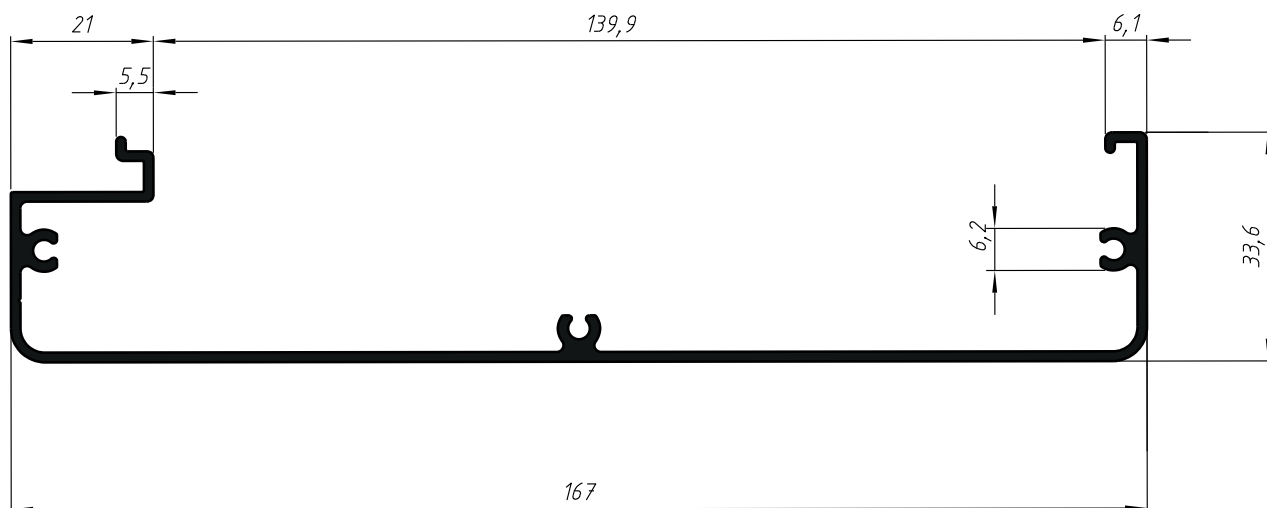
MN-055
0,352 Kg/m



MN-050
0,651 Kg/m

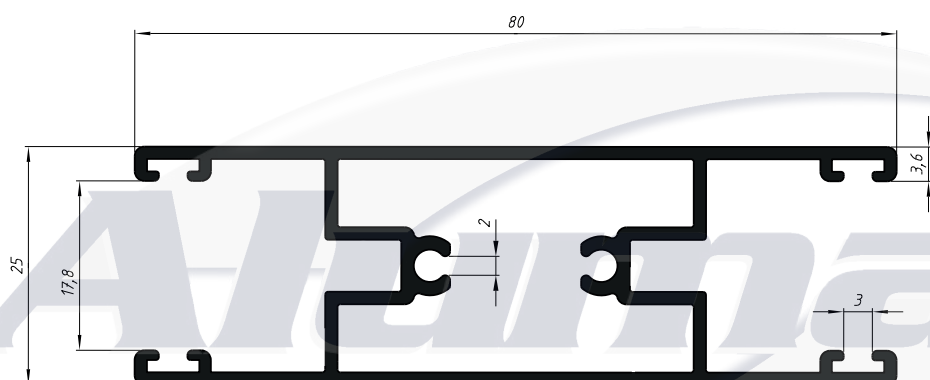


MN-032
1,654Kg/m



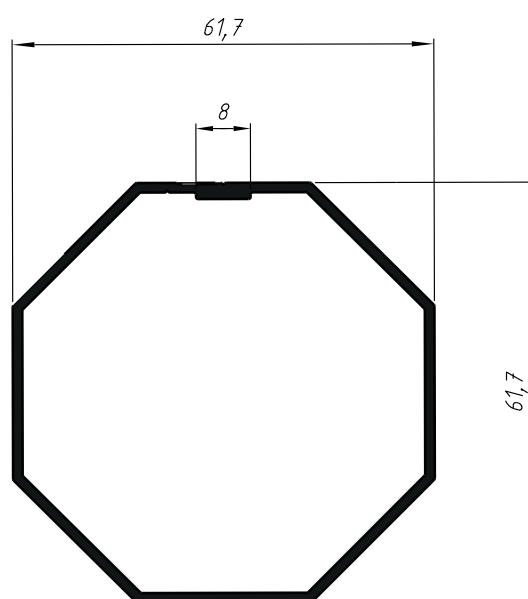
MN-031

1,140 Kg/m



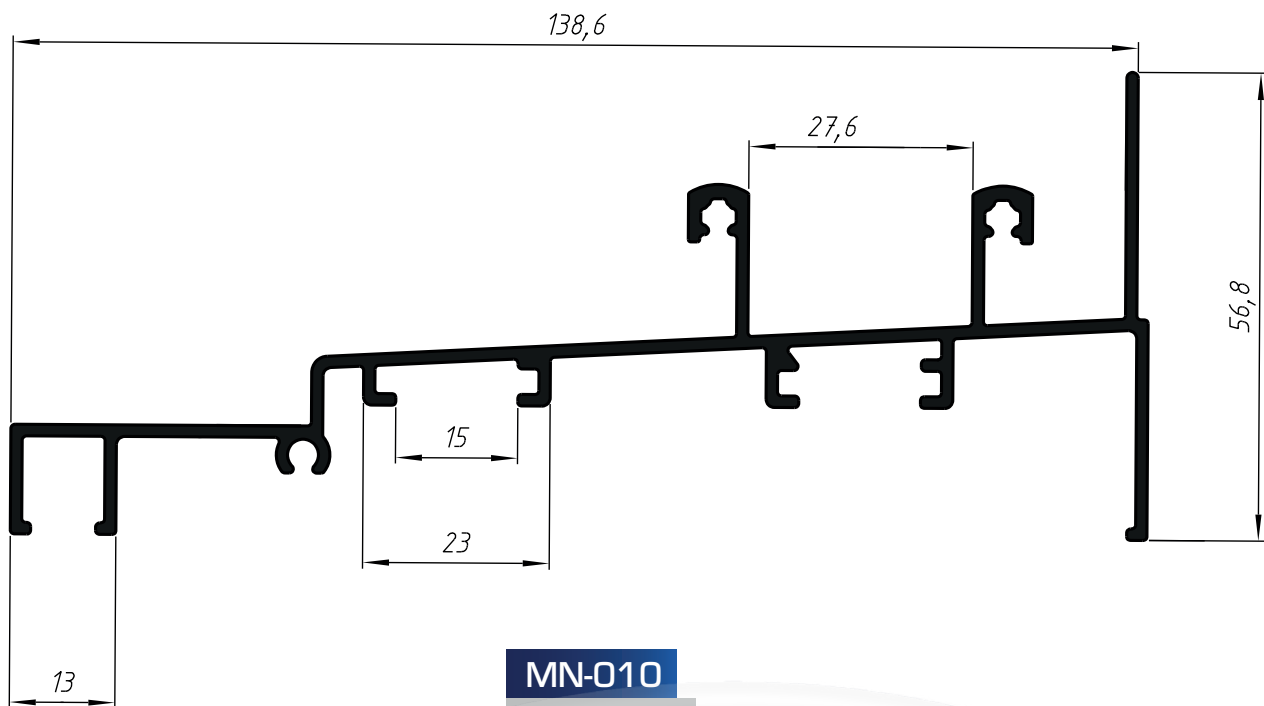
MN-027

0,979 Kg/m

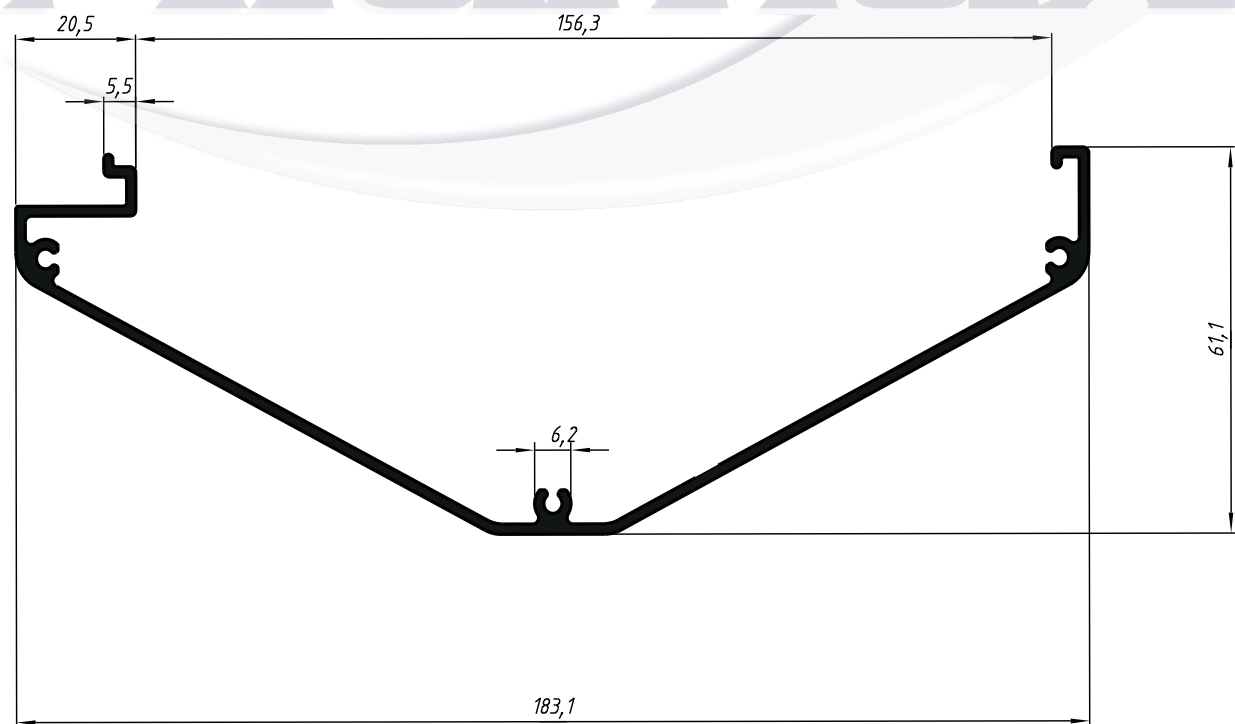


MN-015

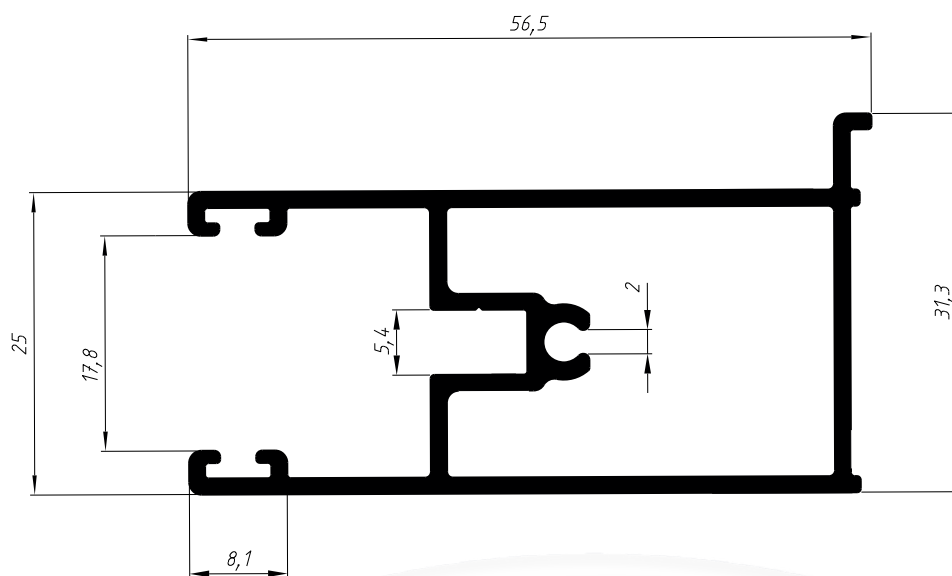
0,779Kg/m



MN-010
1,140 Kg/m



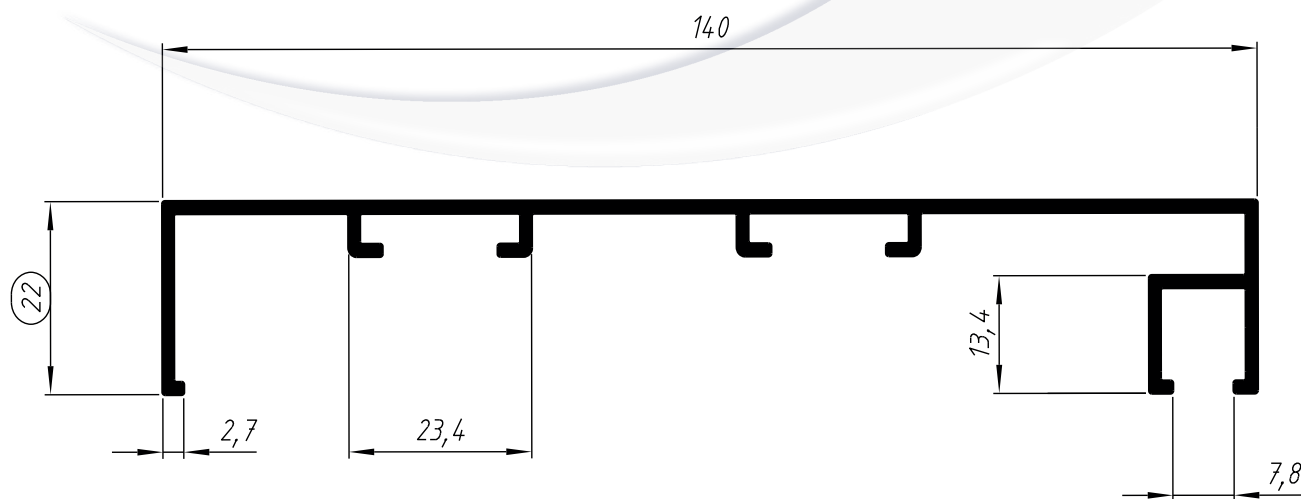
MN-008
1,325 Kg/m



MN-007

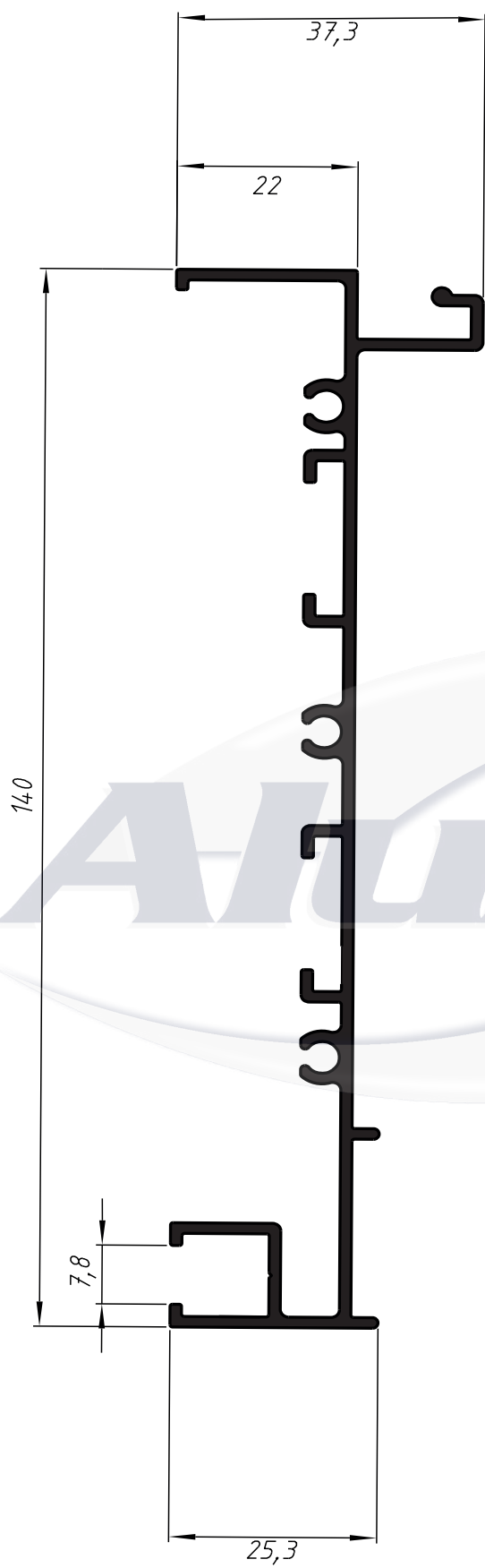
0,710 Kg/m

Alumax



MN-003

0,913Kg/m



MN-001
1,179 Kg/m



MN-002
0,630 Kg/m