

Catálogo de Produtos Extrudados em Alumínio

2021 / 2022
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PERFIL METAL

NÓS TEMOS O SEU PERFIL

Perfis de Alumínio

Para vários ramos do setor industrial.

PerfilCor

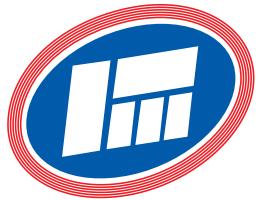
Pintura Eletrostática.



**Empresa Certificada
ISO 9001:2015**

52 ANOS

ANOTE AQUI O SEU PERFIL



PERFIL METAL

NÓS TEMOS O SEU PERFIL

Fundada em 1969, a PERFIL METAL iniciou suas atividades em um pequeno galpão localizado na Rua da Mooca, na cidade de São Paulo, tendo como atividade principal a TREFILAÇÃO DE ALUMÍNIO.

Pensando em abranger o segmento de alumínio, investiu em máquinas, como extrusoras de 250 toneladas, trefilas e fundição. Com o objetivo de manter-se sempre atualizada, no que diz respeito aos maquinários e à tecnologia e ter como prioridade seus clientes, mudou-se então para um galpão maior em Diadema, no estado de São Paulo, começando assim a expansão da PERFIL METAL.

Adquiriu mais tarde, uma extrusora com a capacidade para 600 toneladas, acoplada com puller e um sistema de mesa de transporte pneumática.

Em 1989, inaugurou sua filial, também localizada na cidade de Diadema/SP, que em 2000 foi transferida para a

cidade de Bragança Paulista/SP, numa área de 15.000m², e 2.000m² de área construída, com instalações totalmente modernizadas e mão-de-obra altamente qualificada.

Em 2007 a PERFIL METAL realizou novos investimentos, ampliando sua capacidade de produção e a área construída para 5.000m².

Dois anos mais tarde a capacidade de produção da empresa passou a ser de 800 toneladas/mês com a aquisição de uma nova extrusora de 1.250 toneladas.

Em 2010 foram realizados investimentos para construção de uma unidade fabril para pintura eletrostática.

Atualmente a empresa conta com uma extrusora de 4 polegadas e uma outra de 6 polegadas, agilizando o processo de produção e a capacidade de atendimento aos seus clientes.

Em 2019 a PERFIL METAL completou 50 anos.



- Ferramentaria própria
- Desenvolvemos o seu projeto
- Atendemos em todo o território nacional



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As dimensões, espessuras e pesos dos perfis indicados neste catálogo são teóricos e podem variar conforme tolerâncias previstas nas normas da ABNT



Ligas de Extrusão

Propriedades Físicas Típicas

Liga	Peso Específico (g/cm³)	Módulo de Elasticidade MPa	Módulo de Rígidez MPa	Temperatura de Fusão (°C)	Calor Específico (0-100°C) (Cal./g°C)	Coefficiente de Expansão Linear (L/°C)	Condutibilidade Térmica (25°) (Cal./cm°C)	Condutibilidade Elétrica (ACS)%
1050	2.70	70000	26500	650-660	0.22	24x10⁻⁶	0.50	60.0
3003	2.73	70000	26500	640-655	0.22	23x10⁻⁶	0.38	43.0
5052	2.68	72000	27500	595-650	0.23	23x10⁻⁶	0.33	34.0
6060	2.71	70000	26500	600-650	0.21	23x10⁻⁶	0.48	52.0
6063	2.71	70000	26500	600-650	0.21	23x10⁻⁶	0.48	52.0
6463	2.71	70000	26500	600-650	0.21	23x10⁻⁶	0.48	52.0
6005	2.71	70000	26500	580-650	0.22	24x10⁻⁶	0.37	40.0
6061	2.71	70000	26500	580-650	0.22	24x10⁻⁶	0.37	40.0
6082	2.71	70000	26500	555-650	0.21	24x10⁻⁶	0.44	45.5
6101	2.71	70000	26500	605-655	0.22	23x10⁻⁶	0.49	55.0
6261	2.71	70000	26000	570-655	0.22	23x10⁻⁶	0.44	47.0
6262	2.71	70000	26700	582-652	0.21	23x10⁻⁶	0.37	44.0
6351	2.71	70000	26500	555-650	0.21	24x10⁻⁶	0.44	45.5
7075	2.80	73000	27500	475-630	0.23	24x10⁻⁶	0.29	30.0

Características Específicas

Liga	Resistência à corrosão	Anodização Decorativa	Anodização Protetora	Solda MIG	Solda TIG	Usinagem	Deform. à frio	Brasagem	Outras
1050	A	A	A	A	A	E	A	A	
3003	A	D	B	A	A	D	A	A	
5052	A	A	A	A	A	C	A	B	
6060	A	A	A	A	A	D	B	A	
6063	A	A	A	A	A	D	B	A	
6463	A	A	A	A	A	D	B	A	
6005	A	D	A	A	A	D	B	A	
6061	A	D	A	A	A	D	B	A	
6082	A	D	A	A	A	C	C	C	
6101	A	A	A	A	A	D	B	A	
6261	A	C	A	A	A	C	C	B	
6262	B	C	A	A	A	A	C	A	
6351	A	D	A	A	A	C	C	C	
7075	C	E	B	N	N	D	B	N	Solda por resistência

Limites de Composição Química (% em peso)

Liga	Al	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Outras	
										CADA	TOTAL
1050	99.50	0.25	0.40	0.05	0.05	0.05	-	0.05	0.03	0.03	-
3003	-	-	-	0.05	1.0	-	-	-	-	-	-
	-	0.6	0.7	0.20	1.5	-	-	0.10	-	0.05	0.15
5052	-	0.25	0.40	0.10	0.10	2.2 2.8	0.15 0.35	-	-	-	-
	-	0.25	0.40	0.10	0.10	0.4 0.6	0.10	0.10	0.10	0.05	0.15
6005	-	0.6 0.9	- 0.35	- 0.10	- 0.10	0.4 0.6	-	-	-	-	-
	-	0.6	0.35	0.10	0.10	0.4 0.7	0.30	0.20	0.10	0.05	0.15
6005A	-	0.5 0.9	- 0.35	0.30	0.50	0.4 0.7	0.30	-	-	-	-
	-	0.5	0.35	0.30	0.50	0.4 0.7	0.30	0.20	0.10	0.05	0.15
6060	-	0.30 0.60	0.10 0.30	- 0.10	0.10	0.35 0.60	0.05	0.10	0.10	0.05	0.15
	-	0.30	0.10	-	0.10	0.35 0.60	0.05	0.10	0.10	0.05	0.15
6063	-	0.20 0.60	- 0.35	0.10	0.10	0.45 0.9	-	0.10	0.10	0.05	0.15
	-	0.20	0.35	0.10	0.10	0.45 0.9	-	0.10	0.10	0.05	0.15
6061	-	0.40 0.8	- 0.7	0.15 0.40	0.15 0.15	0.8 1.2	0.04 0.35	-	-	-	-
	-	0.40	0.7	-	0.10	0.8 1.2	0.25	0.20	0.10	0.05	0.15
6082	-	0.7 1.3	- 0.5	0.40	1.0	0.6 1.2	-	-	-	-	-
	-	0.7	0.5	0.10	1.0	0.6 1.2	0.25	0.20	0.10	0.05	0.15
6261	-	0.40 0.7	- 0.40	0.15 0.40	1.0 0.35	0.6 1.2	-	-	-	-	-
	-	0.40	0.40	-	1.0	0.6 1.2	0.25	0.20	0.10	0.05	0.15
6262	-	0.40 0.8	- 0.7	0.15 0.40	0.15 0.15	0.8 1.2	-	-	-	-	-
	-	0.40	0.7	-	0.15	0.8 1.2	0.25	0.15	0.15	0.05	0.15
6351	-	0.7 1.3	- 0.50	0.10 0.10	0.40 0.8	0.40 0.8	-	-	-	-	-
	-	0.7	0.5	0.10	0.40 0.8	0.40 0.8	-	-	-	-	-
6463	-	0.30 0.60	- 0.15	0.05 0.20	0.05 0.05	0.35 0.65	-	0.03	0.01	-	-
	-	0.30	0.15	0.05	0.05	0.35 0.65	-	0.03	0.01	-	-
7075	-	-	-	1.2 2.0	- 0.30	2.1 2.9	0.18 0.28	5.1 6.1	0.20	0.05	0.15





Ligas de Extrusão

Propriedades Físicas Típicas

Liga	Características	Aplicações Típicas
1050	Baixa resistência mecânica, alta resistência à corrosão, boa conformabilidade, apropriada para anodização decorativa.	Indústria química, farmacêutica e alimentícia; utensílios domésticos. Refrigeração (trocadores de calor em geral).
3003	Média resistência mecânica, alta resistência à corrosão, boa conformabilidade, boa soldabilidade.	Tubos para trocadores de calor (radiadores automotivos). Antenas.
5052	Boa resistência mecânica, alta resistência à corrosão, boa conformabilidade.	Vergalhões para rebites, transporte e equipamentos.
6005 A	A Boa resistência mecânica, alta resistência à corrosão, boa conformabilidade e média usinabilidade.	Rodas e acessórios de bicicletas esportivas e motocicletas, náutica e transporte em geral.
6060	Média resistência mecânica, alta resistência à corrosão, boa conformabilidade.	Perfis para construção civil, caixilharia em geral, tubos de irrigação
6063	Apropriada para anodização decorativa fosca.	Móveis e iluminação.
6061	Boa resistência mecânica, boa resistência à corrosão, boa conformabilidade. Média usinabilidade.	Estruturas, construção naval, veículos e rebites. Indústria moveleira.
6101	Alta condutividade elétrica, média resistência mecânica, boa resistência à corrosão.	Liga especial para fins elétricos e barramentos (estruturas).
6261	Boa resistência mecânica, boa resistência à corrosão, boa conformabilidade. Média usinabilidade.	Carrocerias de veículos, estruturas e equipamentos.
6262	Ótima usinabilidade, alta resistência mecânica, alta resistência à corrosão, apropriada para anodização decorativa.	Peças usinadas em torno automático. Excelente alternativa para o latão.
6351	Boa resistência mecânica, alta resistência à corrosão, boa conformabilidade, média usinabilidade.	Engenharia estrutural, veículos e equipamentos. Peças usinadas em tornos não automáticos. Forjamento a frio.
6463	Média resistência mecânica, boa resistência à corrosão, boa conformabilidade apropriada para anodização decorativa de alto brilho.	Painéis e frisos para eletrodomésticos, automóveis e armários.
7075	Os mais altos valores de resistência mecânica, média resistência à corrosão, boa forjabilidade e usinabilidade.	Peças sujeitas aos mais altos esforços mecânicos em indústria aeronáutica, militar, máquinas e equipamentos. Moldes para injeção de plástico.

Propriedades Mecânicas

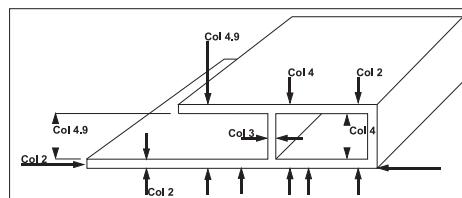
Liga	Têmpera	Limite de Resistência à Tração MPa	Limite de Convencional de Escoamento MPa	Limite de Resistência ao Cizalhamento (MPa)	% de Alongamento em 50mm	Dureza Brinell 2,5 / 62,5
1050	0	95 (80)	- (30)	(62)	25	-
	H14	85 (100)	75 (80)	(72)	-	-
	H18	110 (130)	90 (100)	(76)	-	-
3003	0	130 (120)	- -	(76)	25	-
	H12	115 (140)	- -	-	-	-
	H14	140 (151)	- -	(97)	-	-
	H16	165 -	- -	(103)	-	-
	H18	185 -	- -	(110)	-	-
5052	0	220 (209)	- -	(123)	25	-
	H32	215 (227)	160 (183)	-	-	-
	H34	233 (260)	180 (235)	(144)	-	-
	H36	255 -	200 (250)	(165)	-	-
	H38	270 -	- -	(165)	-	-
6005A	T6F	260 (270)	215 (230)	-	10	82
6060	0	130 (125)	- -	(76)	18	-
6063	T4A	100 (145)	60 (79)	(98)	-	-
6463	T5	150 (219)	110 (189)	(118)	8	66
	T6C	180 (226)	150 (197)	(135)	-	-
	T ⁸	205 (235)	170 (213)	-	8	-
6061	0	150 -	110 -	(82)	16	-
	T4	180 (211)	110 (129)	(165)	16	-
	T6	260 (309)	240 (280)	(206)	8	(102)
	T6*	290 (351)	240 (332)	-	10	(105)
	T8	- (368)	- (348)	(100)	-	-
	T89	370 -	325 -	-	-	-
6261	T4A	157 (186)	83 (108)	-	-	-
	T4	181 (199)	98 (123)	-	-	-
	T6C	229 (280)	199 (248)	-	10	(90)
	T6	260 (309)	240 (280)	-	8	(102)
6351	T4	220 (227)	130 (121)	(152)	16	(64)
	T6	290 (315)	255 (288)	(201)	8	(106)
6101	0	- (137)	- (82)	-	-	-
	T6	200 (230)	172 (213)	-	-	-
6262	T6	260 -	- -	-	10	-
	T9	360 (390)	330 (370)	-	5	(111)
7075	0	275 -	165 -	-	-	-
	T6	560 (630)	495 (608)	(329)	-	(150)

Dados de tensão expressos na Unidade MEGAPASCAL (MPa) equivalentes a 1N/mm². A medida da unidade kgf/mm² é obtida dividindo-se o valor indicado por 9,807. Para a conversão de MPa em KSI divide-se por 6,894. Os valores sem parênteses são os mínimos especificados, com excessão da tempera O (recozido) onde são indicadas as máximas propriedades resistentes. Os valores entre parênteses são os típicos esperados. Todas as ligas podem ser fornecidas na têmpera F, sem garantia de propriedades mecânicas. Os valores mínimos e típicos mostrados referem-se aos produtos mais utilizados nas ligas/têmperas indicadas. Diferentes espessuras de parede e/ou diâmetros podem levar as alterações nos mínimos especificados e típicos esperados. Para maiores informações consultar a área comercial da Divisão de Extrudados. (Têmpera T6 para material trefilado com passo da calibragem).



Tolerância de Dimensões

Extrusão



Para os produtos extrudados são adotadas as tolerâncias contidas na norma ABNT NBR 8116 - alumínio e suas ligas - que é baseada na ASTM (ANSI H35.2 - M). Dadas as necessidades de constante atualização da norma NBR 8116, devido aos avanços das indústrias produtoras de alumínio e as necessidades cada vez maiores das indústrias usuárias de perfis extrudados, os valores constantes desta tabela estão sujeitos à mudanças. Neste trabalho, apresentamos apenas a tabela mais usual, sendo que informações complementares poderão ser obtidas com os técnicos da ASA. A tabela apresenta as tolerâncias padronizadas. Quando nenhuma tolerância é mostrada deve ser estabelecida de comum acordo entre o comprador e fornecedor.

Tolerância na Seção Transversal do Perfil

Dimensão nominal (mm)	Tolerâncias - para mais e para menos (mm) (C) (D)								
	Dimensões do metal				Dimensões entre superfícies metálicas				
	Dimensão nominal onde 75% ou mais é metal (E) (F)				Desvio permitível da dimensão nominal quando mais de 25% da dimensão for vazio (G) (H)				
	Todas as dimensões exceto aquelas incluídas na coluna 3		Espessuras de parede, circundando um vazio de 70mm ou mais (I) (J)		Nas dimensões medidas a uma distância "A" da base da aba				
				5 a 15	15 a 30	30 a 60	60 a 100	100 a 150	150 a 200
Coluna									
1	2	3	4	5	6	7	8	9	
Até 3,2 32,2 a 6,3 6,3 a 12,5 12,5 a 20 20 a 25 25 a 40 40 a 50 50 a 100 100 a 150 150 a 200 200 a 250	0,15 0,18 0,20 0,23 0,25 0,30 0,36 0,60 0,86 0,86 1,10 1,35	± 10% da espessura especificada	0,25 0,30 0,36 0,41 0,46 0,54 0,60 0,86 1,10 1,35 1,65	0,30 0,36 0,41 0,46 0,50 0,58 0,66 0,96 1,20 1,55 1,90	- 0,41 0,46 0,50 0,56 0,64 0,66 0,78 1,20 1,65 2,40 2,50	- - - - - 0,76 0,88 1,05 1,45 2,40 3,05 3,70	- - - - - 0,76 0,88 1,25 1,70 2,40 3,55 4,30	- - - - - - - - - - -	
Acima de 38,09 Até 38,09 Acima de 38,10	Até 2,4 Acima de 2,4 Qualquer		4,0 1,0						

Vergalhões, barras e perfis extrudados. Tolerâncias na seção transversal em milímetros para mais ou para menos. Essas tolerâncias aplicam-se a perfis extrudados exceto na têmpera 0 (estado cozido) e têmpera F (como fabricado). (A) Estas tolerâncias-padrão aplicam-se a perfis comuns; podem ser necessárias tolerâncias mais amplas para alguns perfis e podem ser possíveis tolerâncias mais estreitas para outros, dependendo do acordo prévio entre o comprador e o fornecedor. (B) As tolerâncias para perfis extrudados nas ligas e têmperas especiais devem ser negociadas entre o comprador e o fornecedor (C) A tolerância aplicável a uma dimensão composta de dois ou mais componentes é a soma das tolerâncias das dimensões componentes, se todas elas forem indicadas. (D) Se uma tolerância dimensional especificada não for simétrica, então o valor da tolerância-padrão a ser aplicado é aquele que seria aplicado à média das dimensões máxima e mínima permitíveis pela tolerância inicialmente especificada.

Retilineariedade

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

Torção

	Diâmetro do menor círculo circunscrito (mm)1	Desvio (Y) permitível (graus)4		
	Por metro de Comprimento	Comprimento total	Torção máxima	
	Até 38,09 De 38,09 a 76,19 Acima de 76,20	3,3 1,6 0,8	3,3xL (metros) 1,6xL (metros) 0,8xL (metros)	7% 5% 3%

Comprimento

Diâmetro do menor círculo circunscrito (mm)1	Desvio permitível em relação ao comprimento nominal (somente a mais) (mm)		
	Comprimento nominal (mm)		
	Até 3600	3661 a 9150	9151 a 15250
Até 38,09 De 38,09 a 76,19 Acima de 76,20	3,2 4,8 6,4	6,4 7,9 9,5	9,5 11,1 12,7

Angularidade

Diâmetro do menor círculo circunscrito (mm)1	Desvio permitível em relação ao ângulo nominal (graus)4
Até 38,09 De 38,09 a 76,19 Acima de 76,20	±2,0 ±1,5 ±1,0

Corte Final Diâmetros Tubos redondos

Desvio permitível do quadro ± 1o	Diâmetro Nominal (mm)	Desvio permitível do diâmetro médio AA+BB em 2 relação ao diâmetro nominal (± mm)		Desvio permitível do diâmetro em qualquer ponto em relação ao diâmetro nominal (± mm) ⁽¹⁾
				TUBOS EXTRUDADOS
(1) Para vergalhões diâmetro nominal, para barras largura nominal.				0,25
(2) Para obter o desvio permitível em barras de mais de um metro de comprimento multiplica-se o valor em metros pelo valor do desvio por metro.				0,30
(3) Quando houver duas abas adjacentes considera-se a de menor espessura.				0,38
(4) Quando o espaço limitado pelo ângulo é todo metal, considera-se a menor espessura de metal no vértice do ângulo.				0,64
	6,35 a 25,39			0,89
	25,40 a 50,79			1,14
	50,80 a 101,59			
	101,60 a 152,39			
	152,40 a 203,19			
	203,20 a 253,99			
(1) Não aplicável na têmpera 0, tubos em rolos ou tubos cuja espessura da parede for inferior a 0,5mm ou 2,5% do diâmetro externo ou diâmetro da circunferência equivalente (diâmetro do círculo cuja circunferência mede o perímetro do tubo).				



Tolerância de Dimensões

Altura e Largura

Tubos quadrados, retangulares, sextavados e oitavados

Espessura nominal da parede (mm)	DESVIO PERMISSÍVEL DA ALTURA OU LARGURA EM RELAÇÃO À DIMENSÃO NOMINAL (\pm mm)			
	NOS CANTOS		EM LADOS OPOSTOS ⁽¹⁾	
		Tubos quadrados e retangulares		Tubos quadrados, sextavados e oitavados
TUBOS EXTRUDADOS				A tolerância para a largura é o valor da tolerância para um dimensão igual à altura, e inversamente, mas em nenhum caso esta tolerância é menor do que nos cantos ⁽²⁾
12,70 a 19,5 19,06 a 25,40 25,41 a 50,80 50,81 a 101,60 101,61 a 126,70 126,71 a 152,40	0,51 0,51 0,63 0,89 1,14 1,40	0,51 0,51 0,63 0,89 1,14 1,40		

(1) Não aplicável na témpera 0, tubos em rolos ou tubos cuja espessura da parede for inferior a 0,5mm ou 2,5% do diâmetro externo ou diâmetro da circunferência equivalente (diâmetro do círculo cuja circunferência mede o perímetro do tubo).

(2) Exemplo: Em um tubo retangular extrudado de 76,20x34,10mm a tolerância da largura (76,20) é de $\pm 0,63$ mm e na altura (34,10) é de $\pm 0,89$ mm.

Espessura da Parede

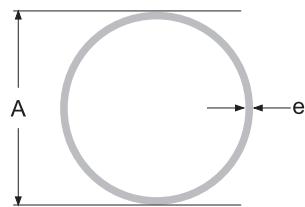
Tubos extrudados

Espessura nominal da parede (mm)	TUBOS REDONDOS EXTRUDADOS			
	Desvio permissível da espessura média $\frac{AA+BB}{2}$ em relação à espessura nominal (\pm mm)			
	Desvio permissível da espessura em qualquer ponto em relação à espessura média (excentricidade) (\pm mm)			
Até 31,75	31,75 a 76,19	76,20 a 126,99	acima de 127,0	
0,15 0,18 0,20 0,23 0,23 0,28 -	0,20 0,20 0,23 0,23 0,23 0,28 0,38	0,20 0,23 0,25 0,33 0,41 0,53 0,71	0,25 0,30 0,38 0,51 0,63 0,89 1,14	10% da espessura média da parede. Máximo: 1,52 Mínimo: 0,25

Espessura nominal da parede (mm)	TUBOS QUADRADOS, RETANGULARES, SEXTAVADOS E OITAVADOS - EXTRUDADOS			
	Desvio permissível da espessura média $\frac{AA+BB}{2}$ em relação à espessura nominal (\pm mm)			
	Desvio permissível da espessura em qualquer ponto em relação à espessura média (excentricidade) (\pm mm)			
Até 1,19 1,20 a 1,55 1,56 a 1,95 1,96 a 3,15 3,16 a 6,34 6,35 a 9,51 9,52 a 12,69 12,70 a 19,04	0,13 0,15 0,18 0,18 0,20 0,28 0,36 0,63	0,20 0,23 0,25 0,25 0,38 0,51 0,76 1,02	0,13 0,18 0,25 0,25 0,36 0,63 0,76 1,02	10% da espessura média da parede. Máximo: 1,52 Mínimo: 0,25

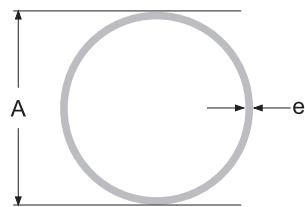


TUBO REDONDO



Código	A	e	A	e	Peso Kg/m	Equivalência
A-039	6,35 mm	1,00 mm	1/4"	-	0,045	-
T-2384	6,35 mm	1,00 mm	1/4"	-	0,045	-
T-1797	7,93 mm	1,00 mm	5/16"	-	0,058	-
T-2328	7,93 mm	1,00 mm	5/16"	-	0,058	-
T-2231	7,93 mm	1,50 mm	5/16"	-	0,082	-
T-1557	7,93 mm	1,58 mm	5/16"	1/16"	0,085	-
T-1821	9,00 mm	2,00 mm	-	-	0,118	-
T-2731	9,52 mm	1,00 mm	-	-	0,072	-
T-3233	9,52 mm	1,20 mm	-	-	0,085	-
T-3645	9,52 mm	1,30 mm	-	-	0,092	-
T-3545	9,52 mm	1,43 mm	-	-	0,098	-
T-2758	9,52 mm	1,58 mm	3/8"	1/16"	0,106	-
T-1796	9,52 mm	3,00 mm	3/8"	-	0,162	-
T-1524	10,00 mm	1,00 mm	-	-	0,076	-
T-3621	12,00 mm	1,00 mm	-	-	0,093	-
T-0660	12,70 mm	1,00 mm	1/2	-	0,102	-
T-3546	12,70 mm	1,43 mm	-	-	0,137	-
T-0539	12,70 mm	1,58 mm	1/2"	1/16"	0,149	TR-005
T-3668	12,70 mm	3,85 mm	-	-	0,289	-
T-1523	13,00 mm	1,00 mm	-	-	0,101	-
T-2383	14,00 mm	0,80 mm	-	-	0,090	-
T-0687	14,00 mm	1,00mm	-	-	0,110	-
T-1957	14,00 mm	1,50 mm	-	-	0,200	-
T-3103	14,40 mm	1,20 mm	-	-	0,134	-
T-3544	15,20 mm	1,35 mm	-	-	0,159	-
T-3543	15,20 mm	3,35 mm	-	-	0,337	-
T-4201	15,88 mm	0,80 mm	5/8"	-	0,102	-
T-0661	15,88 mm	1,00 mm	5/8"	-	0,132	TR-011
T-3547	15,88 mm	1,43 mm	-	-	0,175	-
T-0174	15,88 mm	1,58 mm	5/8"	1/16"	0,192	TR-014
T-0670	15,88 mm	2,00 mm	5/8"	-	0,244	-
T-2742	15,88 mm	3,17 mm	5/8"	1/8"	0,341	-
T-2606	15,88 mm	5,32 mm	-	-	0,475	-

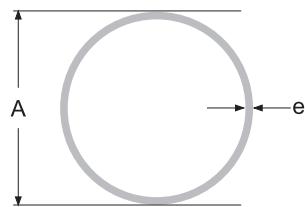
TUBO REDONDO



Código	A	e	A	e	Peso Kg/m	Equivalência
T-3193	16,00 mm	3,75 mm	-	-	0,390	-
T-0109	18,00 mm	1,00 mm	-	-	0,144	-
T-3052	19,05 mm	0,80 mm	-	-	0,124	-
T-0676	19,05 mm	1,00 mm	3/4"	-	0,158	-
T-0141	19,05 mm	1,20 mm	3/4"	-	0,181	TR-019
T-3548	19,05 mm	1,43 mm	-	-	0,214	-
T-2028	19,05 mm	1,58 mm	3/4"	1/16"	0,234	-
T-2732	19,05 mm	3,17 mm	3/4"	1/8"	0,427	-
T-2838	19,05 mm	6,77 mm	-	-	0,705	-
T-3963	20,00 mm	1,00 mm	-	-	0,161	-
T-0176	20,20 mm	1,60 mm	-	-	0,261	-
T-2066	20,50 mm	1,00 mm	-	-	0,122	-
T-1532	21,00 mm	1,00 mm	-	-	0,168	-
T-0700	21,34 mm	2,77 mm	-	-	0,436	-
T-0611	21,50 mm	1,00 mm	-	-	0,173	-
T-0890	22,00 mm	1,00 mm	-	-	0,178	-
T-0674	22,22 mm	1,00 mm	7/8"	-	0,186	-
T-3899	22,22 mm	1,20 mm	-	-	0,214	-
T-3549	22,22 mm	1,43 mm	-	-	0,252	-
T-0741	22,22 mm	1,58 mm	7/8"	1/16"	0,276	TR-035
T-0728	22,22 mm	2,00 mm	7/8"	-	0,343	TR-036
T-2280	22,22 mm	3,17 mm	7/8"	1/8"	0,513	-
T-2585	22,22 mm	6,10 mm	-	-	0,833	-
T-2607	22,22 mm	8,49 mm	-	-	0,989	-
T-1525	23,00 mm	1,00 mm	-	-	0,186	-
T-2155	24,00 mm	1,00 mm	-	-	0,195	-
T-3324	24,00 mm	6,50 mm	-	-	0,965	-
T-3658	24,30 mm	1,30 mm	-	-	0,250	-
T-3962	25,00 mm	1,10 mm	-	-	0,223	-
T-2950	25,00 mm	1,50 mm	-	-	0,299	-
T-2172	25,00 mm	5,95 mm	-	-	0,961	-
T-4202	25,40 mm	0,80 mm	1"	-	0,170	-
T-0675	25,40 mm	1,00 mm	1"	-	0,208	TR-039

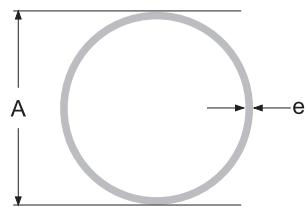


TUBO REDONDO



Código	A	e	A	e	Peso Kg/m	Equivalência
T-0555	25,40 mm	1,30 mm	1"	-	0,265	-
T-0154	25,40 mm	1,58 mm	1"	1/16"	0,319	TR-040
T-2400	25,40 mm	2,00 mm	1"	-	0,396	-
T-0192	25,40 mm	3,17 mm	1"	1/8"	0,598	-
T-2608	25,40 mm	8,58 mm	-	-	1,224	-
T-2026	26,20 mm	2,50 mm	-	-	0,503	-
T-0701	26,67 mm	2,87 mm	-	-	0,582	-
T-3053	28,57 mm	0,80 mm	1.1/8"	-	0,188	-
T-0417	28,57 mm	1,00 mm	1.1/8"	-	0,234	-
T-0333	28,57 mm	1,58 mm	1.1/8"	1/16"	0,362	-
T-3575	28,57 mm	3,17 mm	1.1/8"	1/8"	0,683	-
A-043	29,00 mm	1,65 mm	-	-	0,409	-
T-0418	31,75 mm	1,00 mm	1.1/4"	-	0,261	-
T-0556	31,75 mm	1,20 mm	1.1/4"	-	0,310	-
T-3808	31,75 mm	1,58 mm	1.1/4"	1/16"	0,404	-
T-0966	31,75 mm	2,38 mm	1.1/4"	3/32	0,593	-
T-0095	31,75 mm	3,17 mm	1.1/4"	1/8"	0,770	TR-058A
T-3038	31,75 mm	11,75 mm	-	-	1,993	-
T-2477	31,90 mm	4,20 mm	-	-	0,987	-
T-2316	33,25 mm	2,00 mm	-	-	0,530	-
T-0702	33,40 mm	2,00 mm	-	-	0,865	-
T-0396	34,00 mm	1,70 mm	-	-	0,466	-
T-1853	34,00 mm	2,60 mm	-	-	0,693	-
T-3332	34,92 mm	1,10 mm	-	-	0,316	-
T-0132	35,32 mm	1,19 mm	-	-	0,345	-
T-1849	36,00 mm	1,50 mm	-	-	0,438	-
T-3349	38,00 mm	3,00 mm	-	-	0,891	-
T-0422	38,10 mm	1,00 mm	1.1/2"	-	0,317	-
T-0656	38,10 mm	1,50 mm	1.1/2"	-	0,482	-
T-0874	38,10 mm	3,17 mm	1.1/2"	1/8"	0,939	-
T-2584	38,10 mm	7,55 mm	-	-	1,956	-
T-2609	38,10 mm	14,93 mm	-	-	2,934	-
T-3964	40,00mm	1,30mm	-	-	0,427	-

TUBO REDONDO

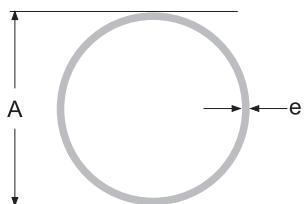


Tubos

Código	A	e	A	e	Peso Kg/m	Equivalência
T-1850	40,00 mm	1,50 mm	-	-	0,489	-
T-1646	40,00 mm	6,00 mm	-	-	1,730	-
T-3327	41,27 mm	1,10 mm	-	-	0,316	-
T-0600	41,27 mm	3,17 mm	15/8"	1/8"	1,195	-
T-3481	41,28 mm	1,62 mm	-	-	0,547	-
T-0995	42,00 mm	7,50 mm	-	-	2,194	-
T-0703	42,17 mm	3,56 mm	-	-	1,170	-
T-2519	42,80 mm	7,90 mm	-	-	2,339	-
T-0085	43,00 mm	1,00 mm	-	-	0,348	-
T-2821	44,45 mm	1,00 mm	-	-	0,368	-
T-3553	44,45 mm	12,22 mm	-	-	3,342	-
T-2583	47,60 mm	7,80 mm	-	-	2,663	-
T-2009	47,62 mm	3,17 mm	-	-	1,195	-
T-0704	48,26 mm	3,68 mm	-	-	1,399	-
T-1002	50,80 mm	1,10 mm	2"	-	0,463	-
T-2811	50,80 mm	1,58 mm	-	-	0,660	-
T-0410	50,80 mm	2,00 mm	2"	-	0,827	TR-099
T-2274	50,80 mm	3,17 mm	2"	1/8"	1,280	-
T-1925	51,00 mm	11,50 mm	-	-	3,853	-
T-1141	54,00 mm	1,50 mm	-	-	0,675	-
T-1497	56,00 mm	15,50 mm	-	-	5,324	-
T-2863	57,00 mm	3,00 mm	-	-	1,374	-
T-1926	57,15 mm	2,57 mm	-	-	1,192	-
T-1746	60,32 mm	1,58 mm	2.3/8"	1/16"	0,787	-
T-0705	60,33 mm	3,91 mm	-	-	1,881	-
T-2173	62,30 mm	2,00 mm	-	-	1,023	-
T-3354	63,00 mm	1,80 mm	-	-	0,934	-
T-3399	63,50 mm	1,25 mm	2.1/2"	-	0,662	-
T-2856	63,50 mm	1,58 mm	2.1/2"	1/16"	0,830	-
T-3726	64,00 mm	7,00 mm	-	-	3,384	-
T-2858	71,00 mm	3,00 mm	-	-	1,722	-
T-0411	76,20 mm	1,27 mm	-	-	0,807	-
T-2857	76,20 mm	1,58 mm	3"	1/16"	1,000	-

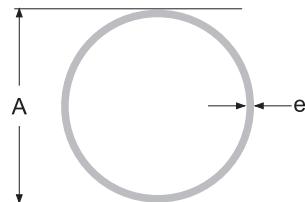


TUBO REDONDO



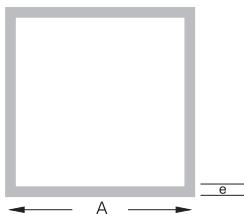
Código	A	e	A	e	Peso Kg/m	Equivalência
T-2757	76,20 mm	3,17 mm	3"	1/8"	1,967	-
T-1647	76,20 mm	18,10 mm	-	-	9,250	-
T-3588	77,50 mm	3,00 mm	-	-	1,895	-
T-3723	80,00 mm	6,25 mm	-	-	3,910	-
T-3024	88,90 mm	1,62 mm	-	-	1,199	-
T-3493	90,20 mm	2,40 mm	-	-	1,787	-
T-3147	101,60 mm	2,50 mm	-	-	2,101	-
T-3353	110,00 mm	3,00 mm	-	-	2,723	-
T-3592	152,40 mm	25,40 mm	6"	1"	27,362	-

TUBO SCHEDULE 40



Código	A	e	A	e	Peso Kg/m	Equivalência
T-0700	21,34 mm	2,77 mm	1/2"	-	0,436	-
T-0701	26,67 mm	2,87 mm	3/4"	-	0,582	-
T-0702	33,40 mm	3,38 mm	1"	-	0,865	-
T-0703	42,17 mm	3,56 mm	1.1/4"	-	1,170	-
T-0704	48,26 mm	3,68 mm	1.1/2"	-	1,399	-
T-0705	60,33 mm	3,91 mm	2"	-	1,881	-

TUBO QUADRADO



Tubos

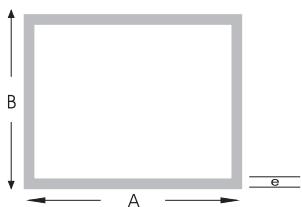
Código	A	e	A	e	Peso Kg/m	Equivalência
T-3574 R	6,00 mm	1,10 mm	-	-	0,056	-
T-3146 R	12,70 mm	1,00 mm	-	-	0,124	-
T-0781	12,70 mm	1,50 mm	1/2"	-	0,179	-
T-3171 R	15,87 mm	0,80 mm	-	-	0,130	-
T-3334	16,00 mm	1,10 mm	-	-	0,177	-
T-0668	19,05 mm	1,50 mm	3/4"	-	0,294	-
T-3335	20,00 mm	1,10 mm	-	-	0,225	-
T-4203	25,40 mm	0,80 mm	1"	-	0,170	-
T-1684	25,40 mm	0,95 mm	1"	1/16"	0,250	TQ - 009
T-0183	25,40 mm	1,58 mm	1"	-	0,406	-
T-1784	25,40 mm	2,00 mm	1"	1/8"	0,505	-
T-1873 R	25,40 mm	3,17 mm	1"	-	0,737	-
T-3204	28,57 mm	1,10 mm	-	-	0,326	-
T-1901	28,57 mm	1,58 mm	1.1/8"	1/16"	0,460	-
T-3209 R	30,00 mm	2,00 mm	-	-	0,572	-
T-2008	31,75 mm	1,00 mm	1.1/4"	-	0,332	-
T-2887	31,75 mm	1,58 mm	-	-	0,515	-
T-1747	31,75 mm	2,00 mm	1.1/4"	-	0,642	-
T-0173	36,34 mm	3,17 mm	-	-	1,134	-
T-3055	38,10 mm	0,80 mm	-	-	0,322	-
T-0997	38,10 mm	1,15 mm	1.1/2"	-	0,459	-
T-2886	38,10 mm	1,58 mm	1.1/2"	1/16"	0,623	-
T-2472	38,10 mm	2,00 mm	-	-	0,779	-
T-1393	40,00 mm	3,00 mm	-	-	1,198	-
T-2443 R	43,20 mm	2,50 mm	-	-	1,026	-
T-1817 R	43,20 mm	3,17 mm	-	-	1,278	-
T-2442 R	49,50 mm	2,50 mm	-	-	1,167	-
T-4136 R	50,00 mm	1,60 mm	-	-	0,761	-
T-2004	50,80 mm	1,30 mm	-	-	0,695	-
T-1894	50,80 mm	1,58 mm	2"	1/16"	0,840	-
T-1893	50,80 mm	2,00 mm	2"	-	1,054	-
T-1816 R	50,80 mm	3,17 mm	2"	1/8"	1,663	-
T-1818 R	60,50 mm	4,50 mm	-	-	2,938	-

R=RAIO



PERFIL METAL

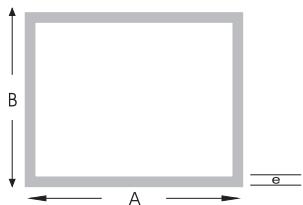
TUBO RETANGULAR



Código	A	B	e	A	B	e	Peso Kg/m	Equivalência
T-1542	8,00 mm	6,00 mm	1,00 mm	-	-	-	0,065	-
A-096	10,00 mm	16,00 mm	1,00 mm	-	-	-	0,097	-
T-3206	15,00 mm	12,20 mm	1,00 mm	-	-	-	0,133	-
T-0691	15,87 mm	12,70 mm	1,00 mm	5/8"	1/2"	-	0,144	-
T-3637	19,05 mm	6,35 mm	1,00 mm	3/4"	1/4"	-	0,126	-
T-1336	20,00 mm	12,70 mm	1,00 mm	-	-	-	0,165	-
T-0774	20,00 mm	40,00 mm	1,50 mm	-	-	-	0,453	-
T-3056	25,40 mm	12,70 mm	0,80 mm	1"	1/2"	-	0,158	-
T-1296	25,40 mm	12,70 mm	1,00 mm	1"	1/2"	-	0,195	-
T-0829	25,40 mm	12,70 mm	1,10 mm	1"	1/2"	-	0,213	-
T-1695	25,40 mm	12,70 mm	1,25 mm	1"	1/2"	-	0,240	-
T-0099	25,40 mm	12,70 mm	1,50 mm	1"	1/2"	-	0,284	-
T-2831	25,40 mm	12,70 mm	3,50 mm	-	-	-	0,588	-
T-1675	26,00 mm	13,00 mm	3,50 mm	-	-	-	0,605	-
T-2065	27,50 mm	18,00 mm	3,00 mm	-	-	-	0,640	-
T-0308	28,00 mm	14,80 mm	1,30 mm	-	-	-	0,282	-
T-2827	30,00 mm	20,00 mm	2,00 mm	-	-	-	0,497	-
T-3133	38,00 mm	18,10 mm	0,80 mm	-	-	-	0,230	-
T-0875	38,10 mm	25,40 mm	1,00 mm	1.1/2"	1"	-	0,325	-
T-4143 R	40,00 mm	20,00 mm	2,00 mm	-	-	-	0,568	-
T-4214	47,00 mm	23,00 mm	0,80 mm	-	-	-	0,298	-
T-0348	48,00 mm	24,00 mm	0,80 mm	-	-	-	0,305	-
T-0473	50,80 mm	12,70 mm	1,10 mm	2"	1/2"	-	0,363	-
T-4204	50,80 mm	12,70 mm	1,10 mm	2"	1/2"	-	0,364	-
T-2227	50,80 mm	12,70 mm	1,58 mm	2"	1/2"	1/16"	0,515	-
T-1693	50,80 mm	25,40 mm	0,80 mm	2"	1"	-	0,322	-
T-1297	50,80 mm	25,40 mm	1,00 mm	2"	1"	-	0,400	-
T-0094	50,80 mm	25,40 mm	1,10 mm	2"	1"	-	0,440	-
T-1015	50,80 mm	25,40 mm	1,20 mm	2"	1"	-	0,480	-
T-3533 R	50,80 mm	25,40 mm	1,30 mm	2"	1"	-	0,487	-
T-0667	50,80 mm	25,40 mm	1,30 mm	2"	1"	-	0,516	TG-005
T-1632	50,80 mm	25,40 mm	1,50 mm	2"	1"	-	0,619	-
T-2829	50,80 mm	25,40 mm	2,00 mm	-	-	-	0,780	-

R=RAIO

TUBO RETANGULAR

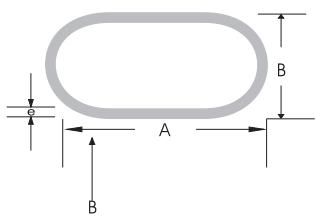


Tubos

Código	A	B	e	A	B	e	Peso Kg/m	Equivalência
T-1782	50,80 mm	31,75 mm	2,00 mm	2"	1.1/4"	-	0,848	-
T-1888	51,00 mm	13,00 mm	3,50 mm	-	-	-	1,077	-
T-2054	52,80 mm	9,50 mm	1,20 mm	-	-	-	0,388	-
T-1070 R	53,00 mm	9,70 mm	1,40 mm	-	-	-	0,450	-
T-2504	60,00 mm	25,00 mm	1,50 mm	-	-	-	0,664	-
T-1392	60,00 mm	40,00 mm	3,00 mm	-	-	-	1,522	-
T-3532 R	76,20 mm	25,40 mm	1,30 mm	3"	1"	-	0,690	-
T-1626	76,20 mm	25,40 mm	1,30 mm	3"	1"	-	0,696	-
T-1887	76,20 mm	25,40 mm	1,40 mm	3"	1"	-	0,747	-
T-4134	76,20 mm	25,40 mm	1,58 mm	3"	1"	1/16"	0,840	-
T-3873	76,20 mm	25,40 mm	2,00 mm	-	-	-	1,054	-
T-4205	76,20 mm	38,10 mm	1,10 mm	3"	1.1/2"	-	0,666	-
T-3110	76,20 mm	38,10 mm	1,30 mm	3"	1.1/2"	-	0,784	-
T-1694	76,20 mm	38,10 mm	1,50 mm	3"	1.1/2	-	0,901	-
T-0510 R	87,00 mm	14,50 mm	1,50 mm	-	-	-	0,772	-
T-4206	101,6 mm	50,80 mm	1,30 mm	4"	2"	-	1,052	-
T-2873	101,6 mm	50,80 mm	2.00 mm	4"	2"	-	1,607	-

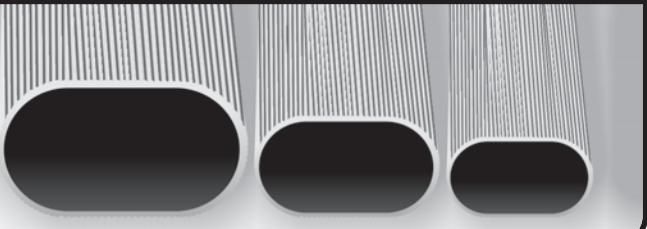
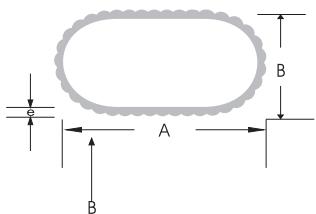
R=RAIO

TUBO OBILONGO



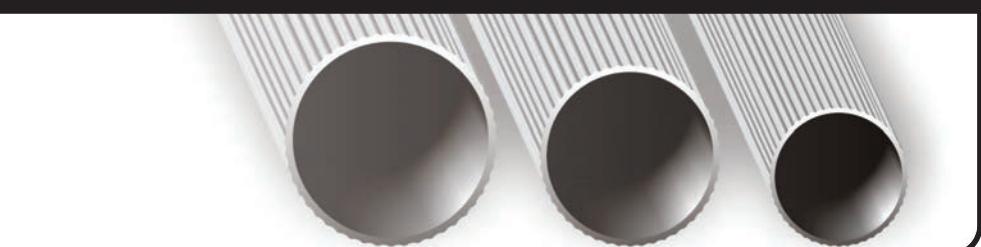
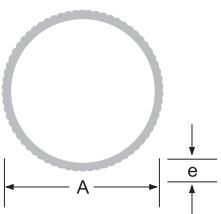
Código	A	B	e	A	B	e	Peso Kg/m	Equivalência
T-3815	15,00 mm	9,70 mm	0,80 mm	-	-	-	0,080	-
T-3800	15,00 mm	10,00 mm	0,80 mm	-	-	-	0,084	-
T-2395	20,00 mm	10,50 mm	1,58 mm	-	-	-	0,266	-
T-1851	20,00 mm	13,00 mm	1,00 mm	-	-	-	0,139	-
T-1548	25,00 mm	15,00 mm	1,00 mm	-	-	-	0,172	-
T-2726	26,00 mm	12,70 mm	1,50 mm	-	-	-	0,250	-
T-3386	26,50 mm	13,50 mm	1,00 mm	-	-	-	0,176	-
T-1599	29,40 mm	18,00 mm	2,00 mm	-	-	-	0,394	-
T-2725	29,80 mm	17,00 mm	1,50 mm	-	-	-	0,301	-
T-1294	30,00 mm	16,00 mm	1,00 mm	-	-	-	0,204	-

TUBO OBILONGO FRIZADO



Código	A	B	e	A	B	e	Peso Kg/m	Equivalência
T-3104	20,16 mm	16,00 mm	0,84 mm	-	-	-	0,108	-
T-3154	28,50 mm	16,00 mm	0,84 mm	-	-	-	0,140	-

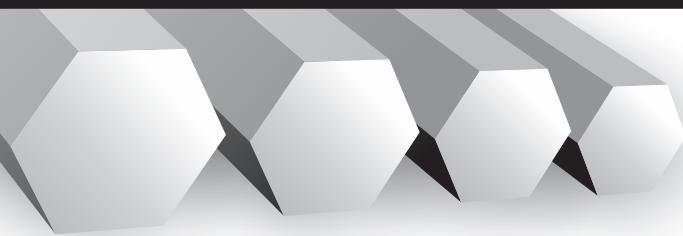
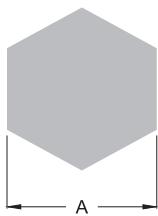
TUBO REDONDO FRIZADO



Tubos

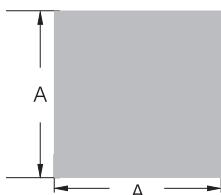
Código	A	e	A	e	Peso Kg/m	Equivalência
T-3513	14,00 mm	1,00 mm	-	-	0,095	-
T-1801	22,22 mm	1,00 mm	7/8"	-	0,160	-
T-3148	22,22 mm	1,20 mm	-	-	0,195	-
T-2156	24,00 mm	1,00 mm	-	-	0,171	-
T-1533	25,00 mm	1,30 mm	-	-	0,237	-
T-2446	25,40 mm	1,00 mm	-	-	0,169	-
T-1419	25,60 mm	1,30 mm	-	-	0,243	-
T-1048	28,30 mm	0,90 mm	1.1/8"	-	0,192	-
T-722	28,57 mm	1,00 mm	1.1/8"	-	0,208	-
T-1742	28,57 mm	1,00 mm	-	-	0,208	-
T-1420	29,00 mm	1,30 mm	-	-	0,277	-
T-723	31,75 mm	1,00 mm	1.1/4"	-	0,233	-
T-1743	31,75 mm	1,00 mm	1.1/4"	-	0,233	-
T-1047	32,00 mm	0,90 mm	-	-	0,236	-
T-1390	32,94 mm	1,30 mm	-	-	0,314	-
T-1531	37,50 mm	1,30 mm	-	-	0,355	-

VERGALHÃO SEXTAVADO



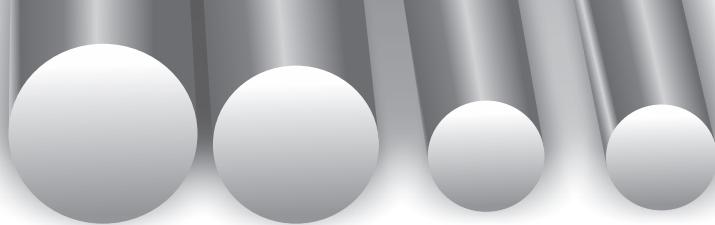
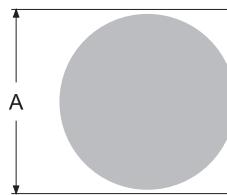
Código	A	A	Peso Kg/m	Equivalência
S-0055	13,70 mm	-	0,467	-
S-3769	14,29 mm	-	0,477	-
S-1815	25,40 mm	1"	1,508	-

VERGALHÃO QUADRADO



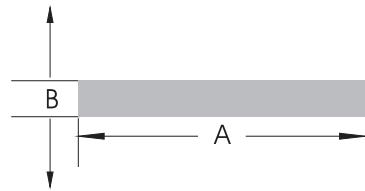
Código	A	A	Peso Kg/m	Equivalência
S-1701	3,90 mm	-	0,039	-
S-1640	4,00 mm	-	0,043	-
A-0038	5,50 mm	-	0,079	-
S-1026	5,66 mm	-	0,085	-
S-0021	6,00 mm	-	0,095	-
S-3034	6,35 mm	1/4"	0,108	-
S-3425	7,93 mm	5/16"	0,171	-
S-0935	9,52 mm	3/8"	0,244	-
S-0542	12,70 mm	1/2"	0,435	-
S-2785	19,05 mm	3/4"	0,980	-
S-4004	19,80 mm	-	1,058	-
S-2813	15,87 mm	-	0,680	-
S-3729	22,22 mm	7/8	1,333	-
S-1391	24,00 mm	-	1,554	-
S-0579	25,40 mm	1"	1,742	VQ-009

VERGALHÃO REDONDO



Código	A	A	Peso Kg/m	Equivalência
S-1447	3,17 mm	1/8"	0,021	-
S-1439	3,40 mm	-	0,024	-
S-0270	4,76 mm	3/16"	0,048	-
S-2455	4,90 mm	-	0,051	-
S-1438	6,00 mm	-	0,076	-
S-2456	6,20 mm	-	0,086	-
S-2651	6,35 mm	1/4"	0,088	-
S-1679	7,00 mm	-	0,104	-
S-0079	7,93 mm	5/16"	0,132	-
S-1836	8,00 mm	-	0,136	-
S-4295	9,00 mm	-	0,172	-
A-065	9,00 mm	-	0,172	-
S-0944	9,25 mm	-	0,181	-
S-0746	9,52 mm	3/8"	0,192	-
S-1685	9,90 mm	-	0,208	-
S-3696	11,00mm	-	0,254	-
S-0081	12,00 mm	-	0,305	-
S-0765	12,50 mm	-	0,331	-
S-0541	12,70 mm	1/2"	0,342	-
S-1810	12,90 mm	-	0,360	-
S-0514	14,29 mm	-	0,432	-
S-0792	15,87 mm	5/8"	0,534	-
S-2029	16,00 mm	-	0,545	-
S-0357	19,05 mm	3/4"	0,765	-
S-0073	22,22 mm	7/8"	1,045	-
S-0615	25,40 mm	1"	1,366	-
S-0677	28,58 mm	1.1/8"	1,795	-
S-3770	31,75 mm	1.1/4"	2,138	-
S-0597	38,10 mm	1.1/2"	3,078	-
S-0612	44,45 mm	1.3/4"	4,187	-
S-0001	45,50 mm	-	4,390	-
S-0523	47,62 mm	1.7/8"	4,808	-
S-1898	50,80 mm	2"	5,490	-

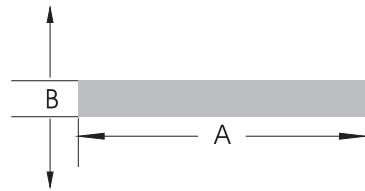
BARRA CHATA



Código	A	B	A	B	Peso Kg/m	Equivalência
S-0552	9,52 mm	2,50 mm	3/8"	-	0,064	-
S-2733	9,52 mm	3,18 mm	3/8"	1/8"	0,082	-
S-0553	9,52 mm	6,35 mm	3/8"	1/4"	0,163	-
S-3932	9,55 mm	3,00 mm	-	-	0,077	-
S-1555	12,70 mm	1,58 mm	1/2"	1/16"	0,054	-
S-3384	12,70 mm	2,00 mm	1/2"	-	0,068	-
S-1517	12,70 mm	3,18 mm	1/2"	1/8"	0,108	-
S-0163	12,70 mm	4,76 mm	1/2"	3/16"	0,162	-
S-0309	13,90 mm	2,30 mm	-	-	0,087	-
S-2750	14,60 mm	2,50 mm	-	-	0,099	-
S-1990 R	15,00 mm	4,00 mm	-	-	0,160	-
S-2841	15,87 mm	9,52 mm	-	-	0,407	-
S-0596	15,88 mm	2,38 mm	5/8"	3/32"	0,101	-
S-0135	15,88 mm	3,17 mm	5/8"	1/8"	0,136	BC-008
S-0108	15,88 mm	4,76 mm	5/8"	3/16"	0,205	BC-009
S-1781	15,88 mm	6,35 mm	5/8"	1/4"	0,272	-
S-3385	19,05 mm	2,00 mm	3/4"	-	0,103	-
S-0084	19,05 mm	3,17 mm	3/4"	1/8"	0,162	BC-015
S-0779	19,05 mm	4,75 mm	3/4"	3/16"	0,244	BC-016
S-0654	19,05 mm	6,35 mm	3/4"	1/4"	0,328	BC-017
S-1547	19,05 mm	9,52 mm	3/4"	3/8"	0,489	-
S-2910	19,05 mm	12,70 mm	-	-	0,653	-
S-3881	19,50 mm	3,00 mm	-	-	0,157	-
S-0776	22,22 mm	3,17 mm	7/8"	1/8"	0,190	BC-021
S-1102	22,22 mm	7,94 mm	7/8"	5/16"	0,476	-
S-2166	22,22 mm	9,52 mm	7/8"	3/8"	0,572	-
S-3773	24,50 mm	4,90 mm	-	-	0,324	-
S-4104	25,40 mm	1,60 mm	-	-	0,108	-
S-0996	25,40 mm	3,17 mm	1"	1/8"	0,217	BC-025
S-0970	25,40 mm	6,35 mm	1"	1/4"	0,435	BC-27
S-2759	25,40 mm	4,76 mm	1"	3/16"	0,326	-
S-2420	25,40 mm	9,52 mm	1"	3/8"	0,653	-
S-2911	25,40 mm	12,70 mm	-	-	0,871	-

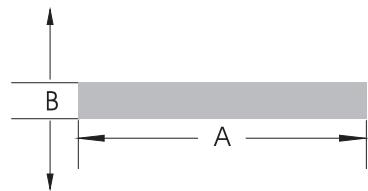
R=RAIO

BARRA CHATA



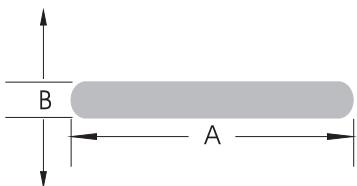
Código	A	B	A	B	Peso Kg/m	Equivalência
S-3697	25,40 mm	19,05 mm	1"	3/4	1,306	-
S-0274	28,00 mm	10,10 mm	-	-	0,750	-
S-0383	28,50 mm	11,70 mm	-	-	0,900	-
S-1337	31,75 mm	3,17 mm	1.1/4"	1/8"	0,271	-
S-2734	31,75 mm	4,76 mm	1.1/4"	3/16"	0,408	-
S-0655	31,75 mm	6,35 mm	1.1/4"	1/4"	0,564	-
S-2788	31,75 mm	9,52 mm	1.1/4"	3/8	0,816	-
S-0118	31,75 mm	15,88 mm	1.1/4"	5/8"	1,361	-
S-0512	34,92 mm	15,88 mm	1.3/8 "	5/8"	1,495	-
S-2957	35,00 mm	4,00 mm	-	-	0,378	-
S-3512	38,10 mm	2,38 mm	1.1/2"	3/32"	0,245	BC-050
S-0170	38,10 mm	3,17 mm	1.1/2"	1/8"	0,326	-
S-2864	38,10 mm	4,76 mm	1.1/2"	3/16"	0,489	-
S-0971	38,10 mm	6,35 mm	1.1/2"	1/4"	0,635	-
S-1042	38,10 mm	7,93 mm	1.1/2"	5/16"	0,815	-
S-0285	38,10 mm	9,52 mm	1.1/2"	3/8"	0,977	-
S-1769	38,10 mm	12,70 mm	1.1/2"	1/2"	1,282	
S-2736	38,10 mm	25,40 mm	1.1/2"	1"	2,613	-
S-0302	41,00 mm	1,80 mm	-	-	0,200	-
S-0807	41,00 mm	1,90 mm	-	-	0,200	-
S-0491	41,00 mm	2,05 mm	-	-	0,226	-
S-0524	44,00 mm	8,50 mm	-	-	1,009	-
S-0472	44,45 mm	3,17 mm	1.3/4"	1/8"	0,375	-
S-0032	45,00 mm	10,00 mm	-	-	1,215	-
S-0684	50,00 mm	10,00 mm	-	-	1,350	BC-060
S-0754	50,80 mm	3,18 mm	2"	1/8"	0,435	-
S-0239	50,80 mm	4,76 mm	2"	3/16"	0,653	-
S-2392	50,80 mm	6,35 mm	2"	1/4"	0,871	-
S-2787	50,80 mm	9,52 mm	2"	3/8"	1,305	-
S-0513	50,80 mm	12,70 mm	2"	1/2"	1,741	-
S-2760	50,80 mm	15,88 mm	2"	5/8"	2,177	-
S-2735	50,80 mm	19,05 mm	2"	3/4"	2,613	-
S-2773	50,80 mm	25,40 mm	2"	1"	3,484	-

BARRA CHATA



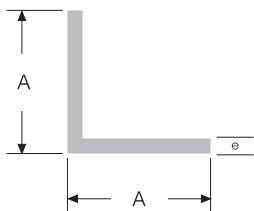
Código	A	B	A	B	Peso Kg/m	Equivalência
S-3211	55,00 mm	1,00 mm	-	-	0,148	-
S-0761	60,00 mm	2,00 mm	-	-	0,324	-
S-2786	63,50 mm	6,35 mm	2.1/2"	1/4	1,088	-
S-2471	63,50 mm	9,52 mm	2.1/2"	3/8	1,632	-
S-2772	63,50 mm	12,70 mm	2.1/2"	1/2"	2,221	-
S-0059	63,50 mm	15,88 mm	2.1/2"	5/8"	2,722	-
S-0045	63,50 mm	25,40 mm	2.1/2"	1"	4,354	-
S-1819	65,00 mm	10,00 mm	-	-	1,753	-
S-0554	76,20 mm	3,17 mm	3"	1/8"	0,650	-
S-3737	76,20 mm	4,76 mm	3"	3/16"	0,979	-
S-0506	76,20 mm	5,50 mm	3"	-	0,977	-
S-2846	76,20 mm	9,53 mm	-	-	1,960	-
S-2520 R	76,20 mm	12,70 mm	3"	1/2"	2,604	-
S-3975	76,20 mm	15,87 mm	3"	5/8"	3,265	-
S-4101	76,20 mm	19,05 mm	3"	3/4"	3,919	-
S-0507	81,00 mm	6,35 mm	-	1/4"	1,387	-
S-3886	81,70 mm	1,20 mm	-	-	0,264	-
S-1681	86,00 mm	2,00 mm	-	-	0,464	-
S-2551	100,00 mm	3,18 mm	-	-	0,856	-
S-2388 A	100,00 mm	8,50 mm	-	-	2,300	-
S-2926	100,00 mm	9,52 mm	-	-	2,570	-
S-2840	101,60 mm	12,70 mm	-	-	3,484	-

BARRA CHATA - CANTOS ARREDONDADOS



Código	A	B	A	B	Peso Kg/m	Equivalência
S-0196 / A-0073	12,50 mm	1,58 mm	1/2"	1/16"	0,051	-
A-0049 / S-2790	12,70 mm	3,16 mm	1/2"	1/8"	0,102	-
S-0892	12,70 mm	4,00 mm	1/2"	-	0,135	-
S-0573	15,87 mm	4,00 mm	5/8"	-	0,170	-
S-0227	16,00 mm	3,00 mm	-	-	0,119	-
S-0683	16,00 mm	3,50 mm	-	-	0,156	-
S-1995	16,00 mm	3,80 mm	-	-	0,160	-
S-0228	16,00 mm	4,00 mm	-	-	0,162	-
S-3270	17,20 mm	3,00 mm	-	-	0,134	-
S-0241	19,05 mm	3,00 mm	3/4"	-	0,143	-
S-0242	19,05 mm	4,00 mm	3/4"	-	0,195	-
S-0977	19,05 mm	4,76 mm	3/4"	3/16"	0,239	-
S-0859	19,05 mm	6,35 mm	3/4"	1/4"	0,303	-
S-2511	21,50 mm	3,50 mm	-	-	0,196	-
S-0622	22,22 mm	4,00 mm	7/8"	-	0,237	-

CANTONEIRAS - ABAS IGUAIS

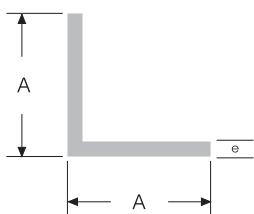


Cantoneiras

Código	A	e	A	e	Peso Kg/m	Equivalência
S-4299 R	12,70mm	0,70 mm	1/2"	-	0,046	-
S-3665	12,70 mm	0,80 mm	1/2"	-	0,055	-
S-0218	12,70 mm	1,00 mm	1/2"	-	0,066	-
S-0019	12,70 mm	1,30 mm	1/2"	-	0,085	-
S-1662	12,70 mm	1,58 mm	1/2"	1/16"	0,100	-
S-4298 R	15,88 mm	0,70 mm	5/8"	-	0,058	-
S-3666	15,88 mm	0,80 mm	5/8"	-	0,070	-
S-0219	15,88 mm	1,00 mm	5/8"	-	0,084	-
S-0018	15,88 mm	1,30 mm	5/8"	-	0,108	-
S-1663	15,88 mm	1,58 mm	5/8"	1/16"	0,130	-
S-4297 R	19,05 mm	0,70 mm	3/4"	-	0,070	-
S-4300	19,05 mm	0,80 mm	3/4"	-	0,110	-
S-0217	19,05 mm	1,00 mm	3/4"	-	0,100	-
S-0017	19,05 mm	1,30 mm	3/4"	-	0,129	-
S-0598	19,05 mm	1,58 mm	3/4"	1/16"	0,181	CT-007
S-0226	22,22 mm	3,18 mm	7/8"	1/8"	0,354	-
S-0858	24,10 mm	2,20 mm	-	-	0,273	-
S-4296 R	25,40 mm	0,70 mm	1"	-	0,094	-
S-3667	25,40 mm	0,80 mm	1"	-	0,110	-
S-0216	25,40 mm	1,00 mm	1"	-	0,135	-
S-0016	25,40 mm	1,30 mm	1"	-	0,174	-
S-1664	25,40 mm	1,58 mm	1"	1/16"	0,210	-
S-0043	25,40 mm	2,38 mm	1"	3/32"	0,311	-
S-0134	25,40 mm	3,17 mm	1"	1/8"	0,408	CT-019
S-2038	25,40 mm	6,35 mm	1"	1/4"	0,762	-
S-0645	31,75 mm	3,17 mm	1.1/4"	1/8"	0,519	CT-022
S-0796	31,75 mm	4,76 mm	1.1/4"	3/16"	0,754	CT-023
S-2336	35,00 mm	3,50 mm	-	-	0,628	-
S-2448	35,00 mm	3,00 mm	-	-	0,542	-
S-1745	38,10 mm	3,18 mm	1.1/2"	1/8"	0,625	CT-026/L022
S-0844	38,10 mm	4,76 mm	1.1/2"	3/16"	0,918	CT-027
S-2889	45,00 mm	2,80 mm	-	-	0,659	-
S-2970	45,00 mm	15,00 mm	-	-	3,037	-
S-2596	50,00 mm	3,00 mm	-	-	0,785	-

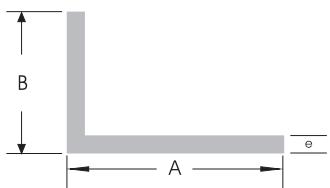


CANTONEIRAS - ABAS IGUAIS



Código	A	e	A	e	Peso Kg/m	Equivalência
S-2314	50,00 mm	5,00 mm	-	-	1,287	-
S-2867	50,80 mm	2,00 mm	2"	-	0,538	-
S-1358	50,80 mm	3,17 mm	2"	1/8"	0,843	CT-032
S-4259	50,80 mm	4,76 mm	2"	3/16"	1,244	-
S-0286	50,80 mm	6,35 mm	2"	1/4"	1,633	-
S-2330	63,50 mm	3,18 mm	2 1/2"	1/8"	1,060	-
S-3468	76,20 mm	6,35 mm	3"	1/4"	2,504	-

CANTONEIRAS - ABAS DESIGUAIS

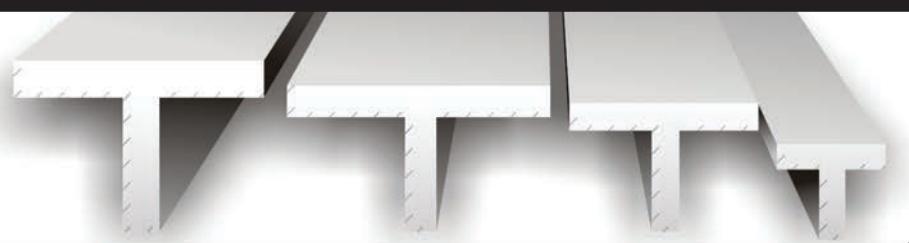
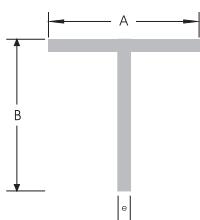


Cantoneiras

Código	A	B	e	A	B	e	Peso Kg/m	Equivalência
S-2888	15,00 mm	20,00 mm	1,50 mm	-	-	-	0,136	-
S-1521	16,00 mm	12,00 mm	1,00 mm	-	-	-	0,073	-
S-0144	18,00 mm	10,00 mm	2,00 mm	-	-	-	0,140	-
S-1314	18,50 mm	14,00 mm	2,20 mm	-	-	-	0,180	-
S-2560	19,00 mm	6,00 mm	3,00 mm	-	-	-	0,178	-
S-0764	19,00 mm	10,00 mm	3,00 mm	-	-	-	0,210	-
S-1231	21,00 mm	11,50 mm	2,00 mm	-	-	-	0,164	-
S-1446	25,00 mm	10,00 mm	1,00 mm	-	-	-	0,091	-
S-3336	25,40 mm	12,70 mm	1,58 mm	1"	1/2"	1/16"	0,156	-
S-1518	25,40 mm	12,70 mm	3,18 mm	1"	1/2"	1/8"	0,299	-
S-3085	30,00 mm	20,00 mm	3,00 mm	-	-	-	0,380	-
S-0467	35,00 mm	15,00 mm	1,58 mm	-	-	1/16"	0,206	-
S-0770	38,10 mm	25,40 mm	4,76 mm	1.1/2"	1"	3/16"	0,754	-
S-1041	38,10 mm	25,40 mm	7,93 mm	1.1/2"	1"	5/16"	1,189	-
S-1368	40,00 mm	20,00 mm	3,00 mm	-	-	-	0,461	-
S-3622	44,45 mm	31,75 mm	4,76 mm	-	-	-	0,918	-
S-0800	49,50 mm	28,50 mm	1,20 mm	-	-	-	0,249	-
S-3274	50,00 mm	15,00 mm	1,20 mm	-	-	-	0,207	-
S-1194	50,00 mm	25,00 mm	3,00 mm	-	-	-	0,583	-
S-1044	69,00 mm	30,00 mm	1,20 mm	-	-	-	0,317	-
S-0690	80,00 mm	30,00 mm	1,30 mm	-	-	-	0,381	-
S-2393	88,90 mm	25,40 mm	4,76 mm	-	-	-	1,407	-
S-0442	90,00 mm	30,00 mm	1,30 mm	-	-	-	0,416	-
S-3454	90,00 mm	55,00 mm	3,50 mm	-	-	-	1,374	-
S-2914	100,00 mm	90,00 mm	1,20 mm	-	-	-	0,612	-
S-3457	180,00 mm	55,00 mm	4,00 mm	-	-	-	2,601	-

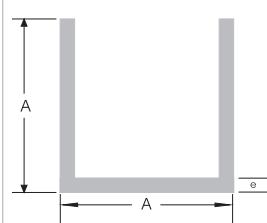


PERFIL "T"



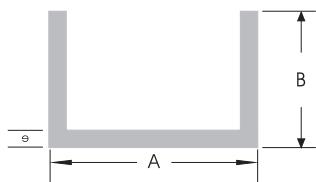
Código	A	B	e	Peso Kg/m	Equivalência
S-2532	25,40 mm	25,40 mm	1,00 mm	0,134	-
S-0188	25,40 mm	25,40 mm	1,70 mm	0,225	-
S-2730	31,00 mm	12,00 mm	1,00 mm	0,116	-
S-3453	40,00 mm	60,00 mm	3,00 mm	0,796	-

PERFIL "U" - ABAS IGUAIS



Código	A	e	A	e	Peso Kg/m	Equivalência
A-0048	6,00 mm	1,58 mm	-	-	0,063	-
S-0121	9,50 mm	1,00 mm	-	-	0,072	-
S-2432	9,52mm	1,58mm	3/8"	1/16"	0,108	PU-001
S-0891	12,70 mm	1,00 mm	1/2"	-	0,097	-
S-0894	12,70 mm	1,58 mm	1/2"	1/16"	0,148	PU-002
S-0146	15,88 mm	1,58 mm	5/8"	1/16"	0,189	PU-004
S-3108	16,00 mm	1,20 mm	-	-	0,148	-
S-0103	19,05 mm	1,58 mm	3/4"	1/16"	0,230	-
A-0036	30,00 mm	1,58 mm	-	-	0,370	-
S-2860	30,00 mm	5,00 mm	-	-	1,080	-

PERFIL "U" - ABAS DESIGUAIS

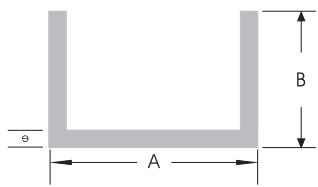


Perfis

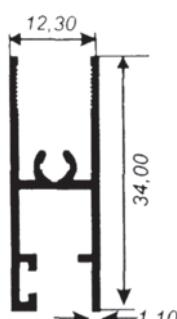
Código	A	B	e	A	B	e	Peso Kg/m	Equivalência
S-0607	8,00 mm	12,00 mm	1,00 mm	-	-	-	0,081	-
S-1683	9,52 mm	12,70 mm	1,58 mm	3/8"	1/2"	1/16"	0,135	-
S-1502	12,70 mm	15,88 mm	1,30mm	1/2"	5/8	-	0,147	-
S-3107	14,80 mm	25,00 mm	1,10 mm	-	-	-	0,186	-
S-1074	15,00 mm	25,40 mm	1,40 mm	-	1"	-	0,238	-
S-0261	15,00 mm	25,50 mm	1,50 mm	-	-	-	0,254	-
S-0147	15,88 mm	19,05 mm	1,58 mm	5/8"	3/4"	1/16"	0,216	-
S-2605	16,00 mm	19,05 mm	4,50 mm	-	-	-	0,548	-
S-2603	18,00 mm	19,05 mm	4,50 mm	-	-	-	0,572	-
S-1680	19,05 mm	9,52 mm	2,38 mm	3/4"	3/8"	3/32"	0,214	-
S-0500	19,05 mm	31,75 mm	2,38 mm	3/4"	1.1/4"	3/32"	0,500	-
S-0899	19,20 mm	9,60 mm	1,60 mm	-	-	-	0,152	-
S-2604	20,00 mm	19,05 mm	4,50 mm	-	-	-	0,596	-
S-1147	20,00 mm	30,00 mm	1,00 mm	-	-	-	0,210	-
S-1148	20,00 mm	35,00 mm	1,00 mm	-	-	-	0,237	-
S-0122	20,00 mm	40,00 mm	1,10 mm	-	-	-	0,324	-
S-0054	23,00 mm	15,00 mm	1,50 mm	-	-	-	0,203	-
S-2521	24,50 mm	35,00 mm	1,50 mm	-	-	-	0,366	-
S-0493	25,00 mm	37,00 mm	3,00 mm	-	-	-	0,737	-
S-3557	25,40 mm	12,70 mm	1,00 mm	-	-	-	0,132	-
S-2782	29,00 mm	35,00 mm	1,50 mm	-	-	-	0,391	-
S-0468	30,00 mm	15,00 mm	1,58 mm	-	-	1/16	0,242	-
S-1292	32,00 mm	16,00 mm	1,50 mm	-	-	-	0,247	-
S-4002	34,00 mm	10,00 mm	1,00 mm	-	-	-	0,140	-
S-0589	34,70 mm	10,00 mm	1,20 mm	-	-	-	0,170	-
S-1846	35,00 mm	7,00 mm	1,00 mm	-	-	-	0,126	-
S-0377	38,10 mm	12,70 mm	1,58 mm	1.1/2"	1/2"	1/16"	0,257	-
S-1864	38,80 mm	18,00 mm	1,10 mm	-	-	-	0,364	-
S-1103	43,00 mm	40,00 mm	3,00 mm	-	-	-	0,947	-
S-3441	50,00 mm	15,00 mm	1,00 mm	-	-	-	0,211	-
S-3480	50,00 mm	32,00 mm	2,00 mm	-	-	-	0,594	-
S-2081	50,00 mm	32,00 mm	3,00 mm	-	-	-	0,874	-



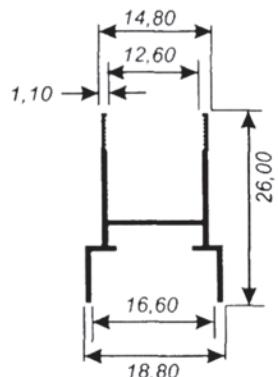
PERFIL "U" - ABAS DESIGUAIS



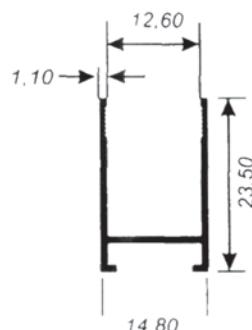
Código	A	B	e	A	B	e	Peso Kg/m	Equivalência
S-1151	77,80 mm	19,70 mm	1,00 mm	-	-	-	0,311	-
S-2096	80,00 mm	32,00 mm	3,00 mm	-	-	-	1,117	-
S-1153	85,90 mm	30,00 mm	1,00 mm	-	-	-	0,388	-
S-1152	89,30 mm	19,70 mm	1,00 mm	-	-	-	0,342	-
S-1154	96,80 mm	30,00 mm	1,00 mm	-	-	-	0,417	-



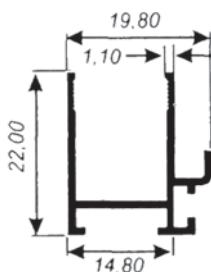
S-1086
0,278 kg/m



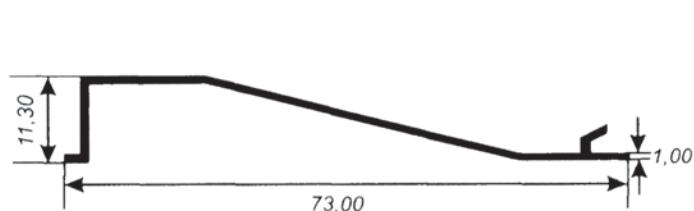
S-1087
0,208 kg/m



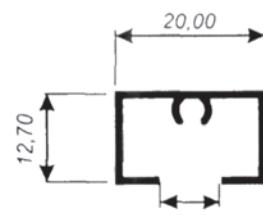
S-1088
0,181 kg/m



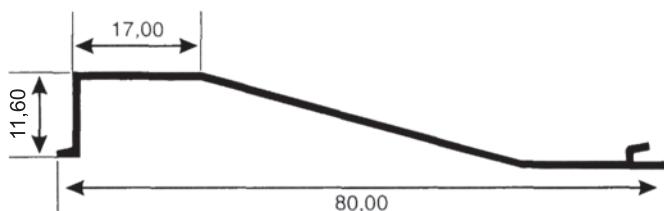
S-1089
0,212 kg/m



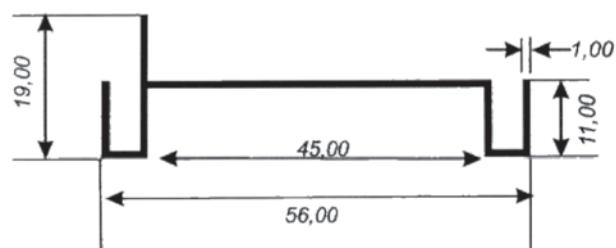
S-1090
0,241 kg/m



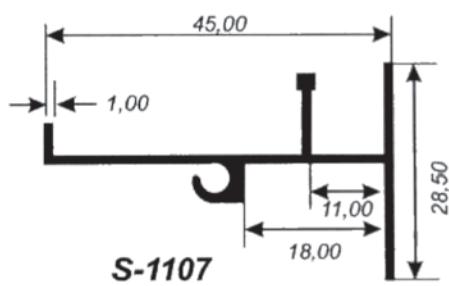
S-1096
0,149 kg/m



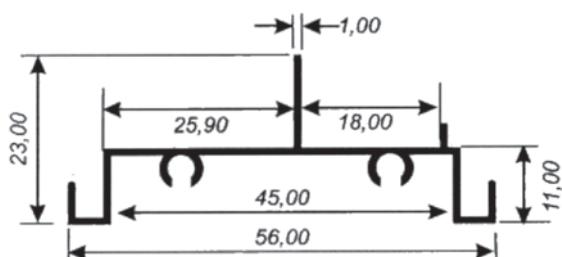
S-1580
0,260 kg/m



S-1106
0,276 kg/m



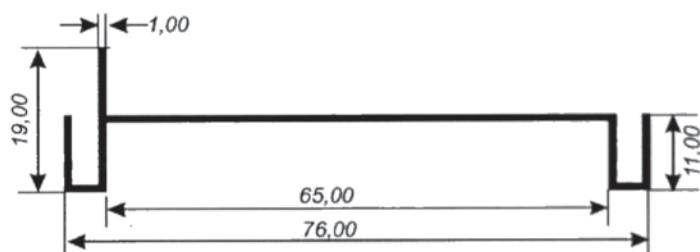
S-1107
0,288 kg/m



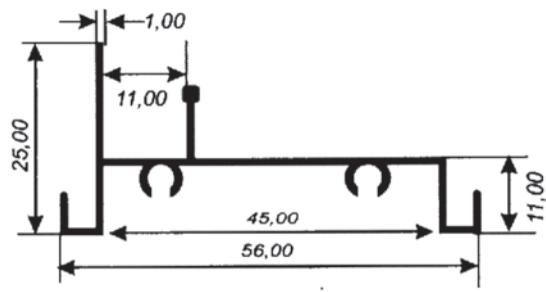
S-1108
0,329 kg/m



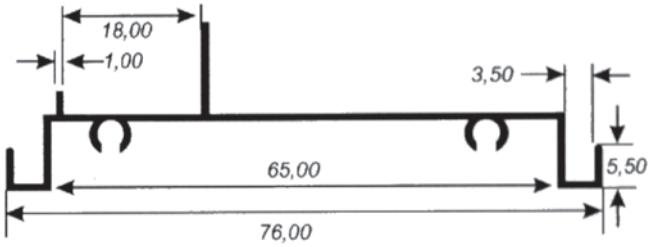
LINHA 16 LEVE



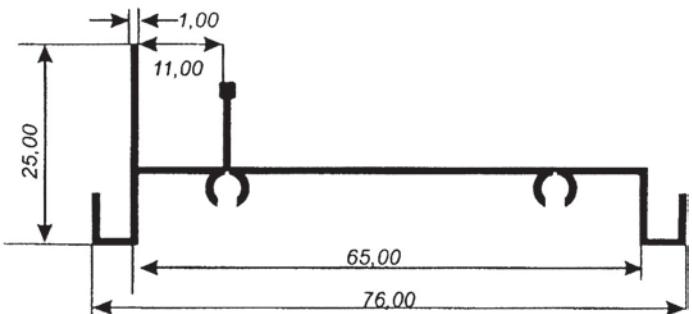
S-1109
0,336 kg/m



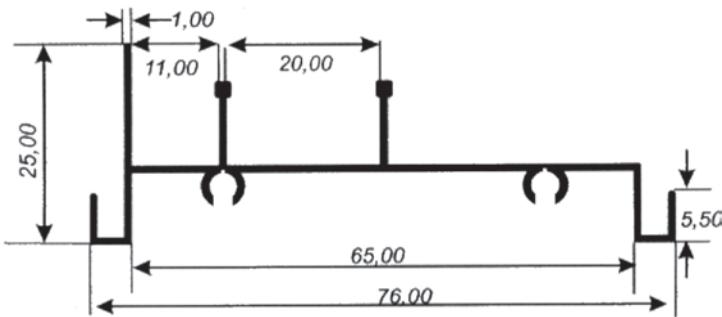
S-1110
0,350 kg/m



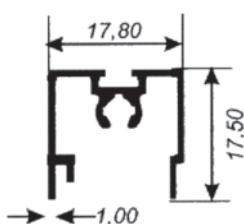
S-1111
0,383 kg/m



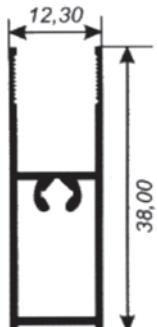
S-1112
0,404 kg/m



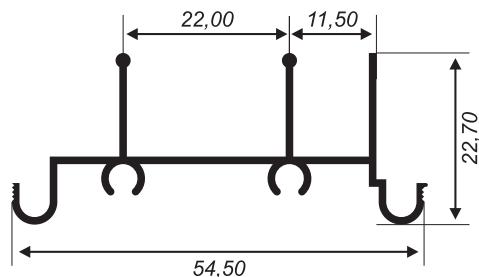
S-1113
0,440 kg/m



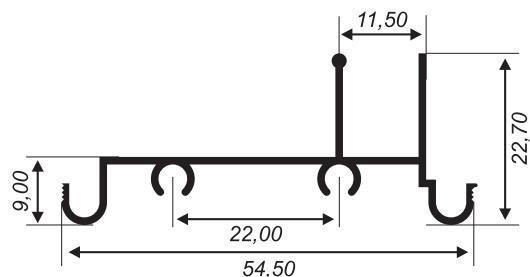
S-1117
0,208 kg/m



T-1149
0,305 kg/m



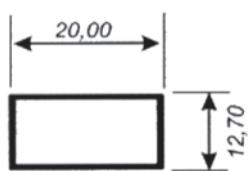
S-2723
0,369kg/m



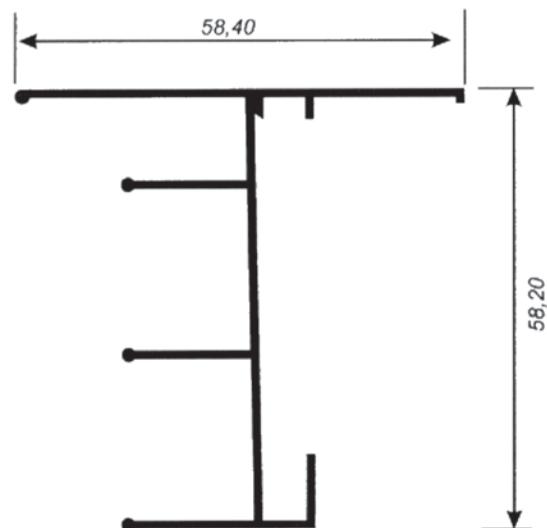
S-2724
0,329kg/m



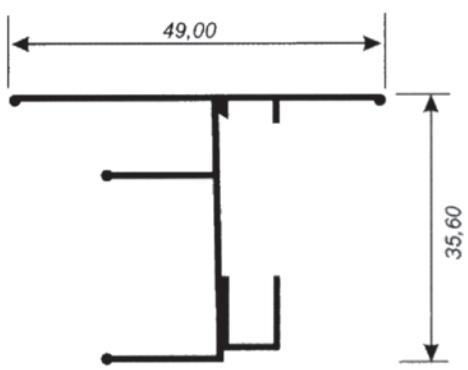
LINHA 16 LEVE



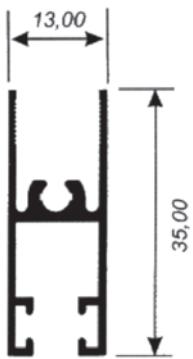
T-1336
0,165 kg/m



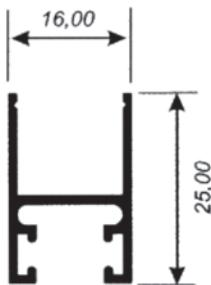
S-1567
0,634 kg/m



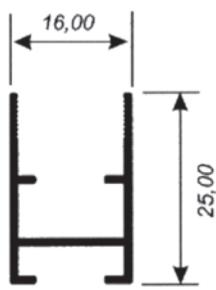
S-1568
0,454 kg/m



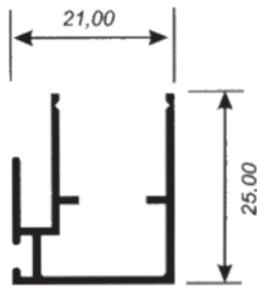
S-1569
0,334 kg/m



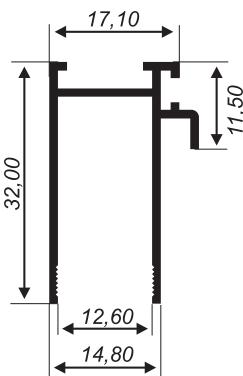
S-1570
0,234 kg/m



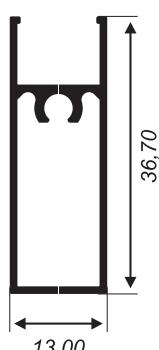
S-1571
0,194 kg/m



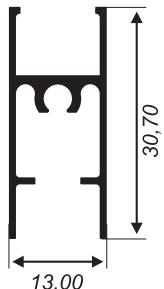
S-1591
0,243 kg/m



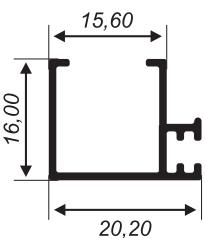
S-3229
0,271 kg/m



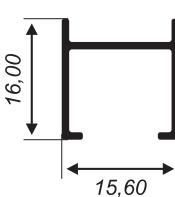
T-1512
0,323 kg/m



S-1513
0,254 kg/m

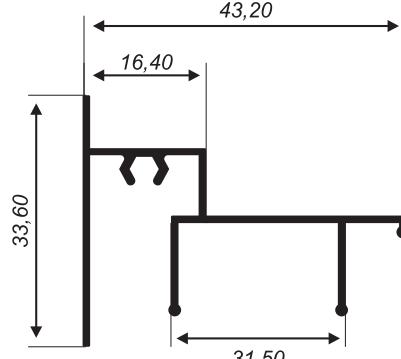
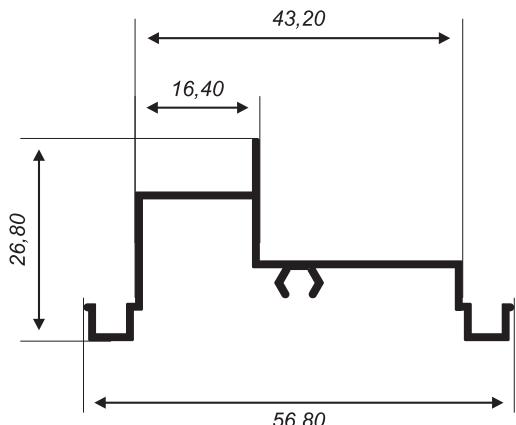
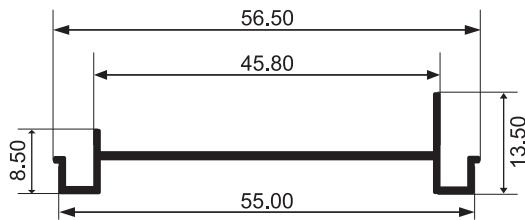
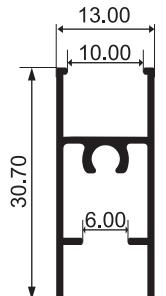
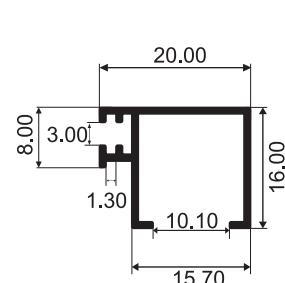
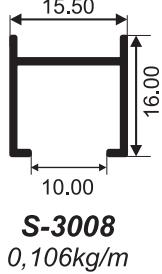
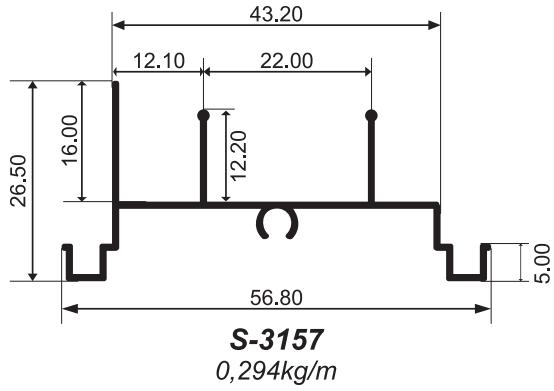
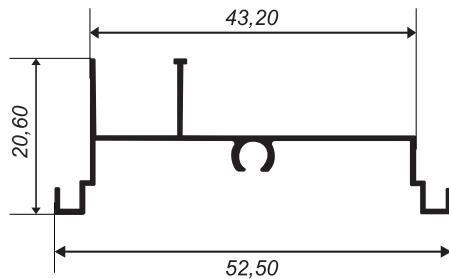
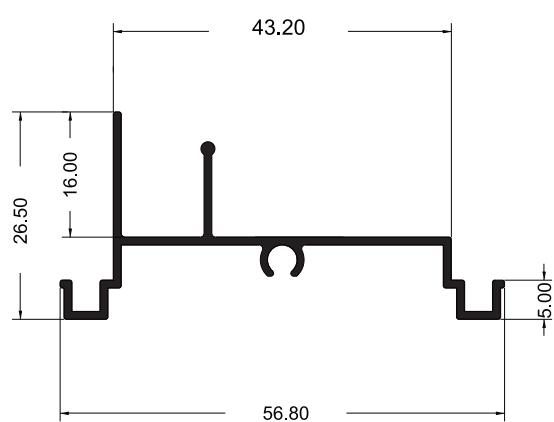
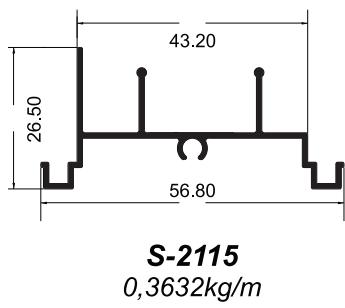
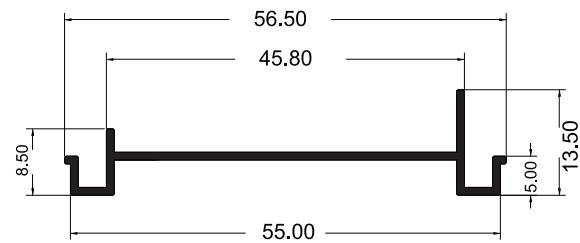
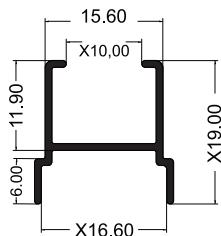


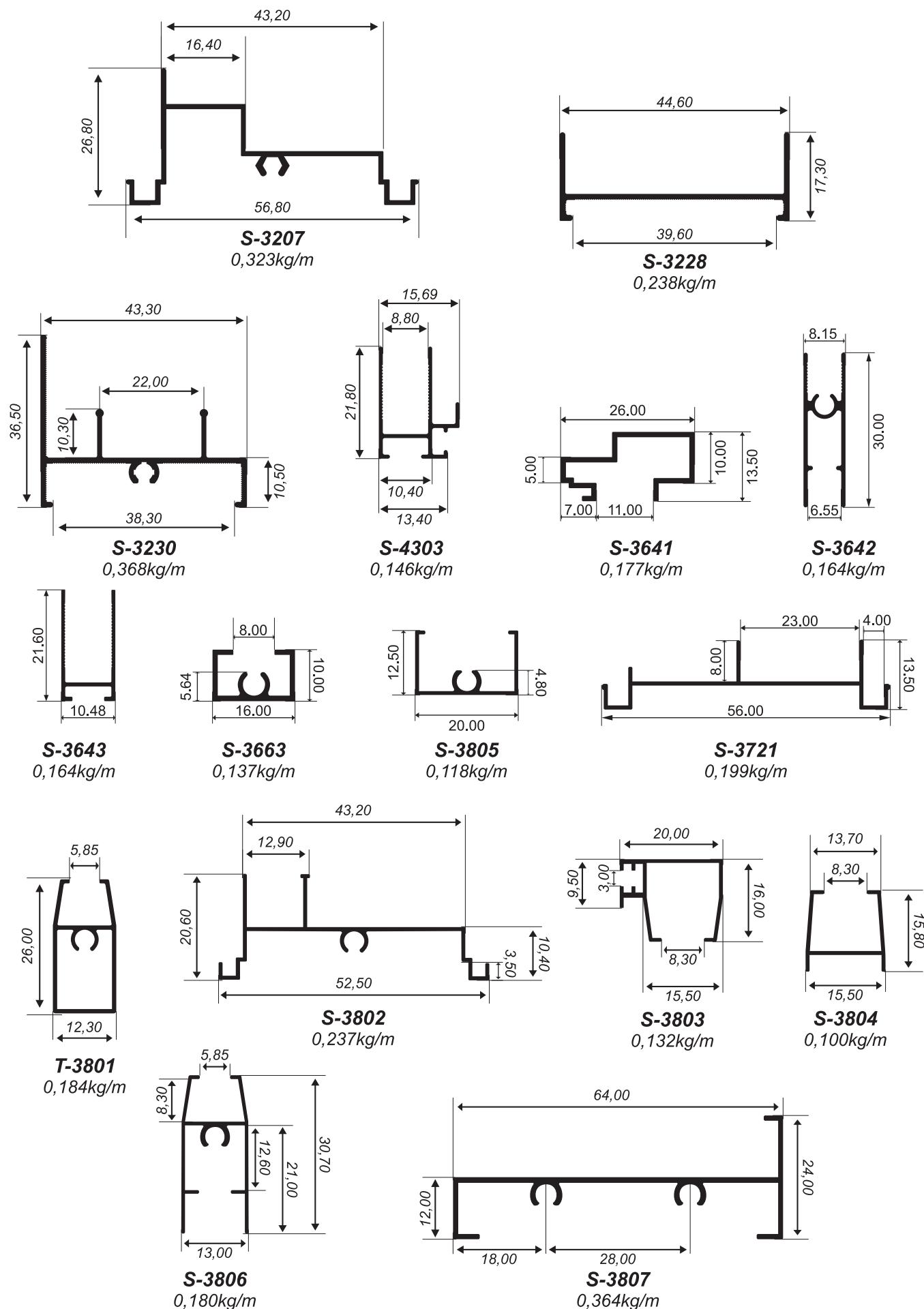
S-1514
0,174 kg/m



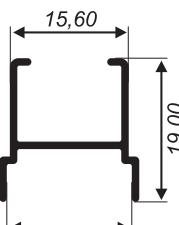
S-1515
0,133 kg/m

LINHA 16 LEVE

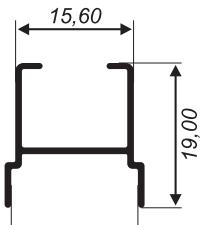




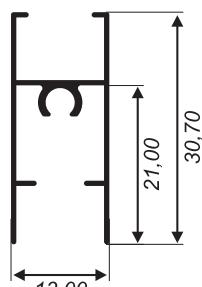
LINHA 16 LEVE



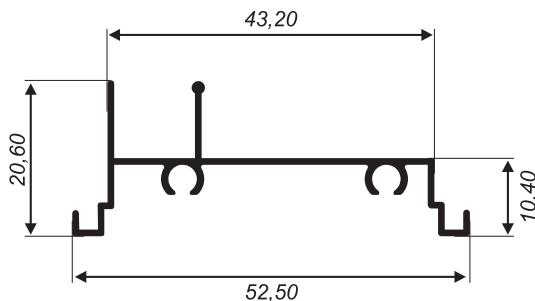
S-4113
0,125kg/m



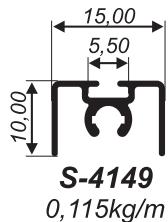
S-4114
0,128kg/m



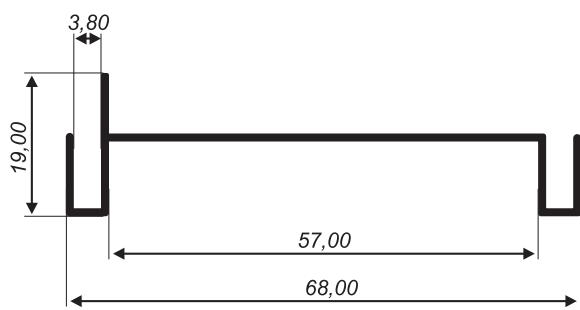
S-4138
0,180kg/m



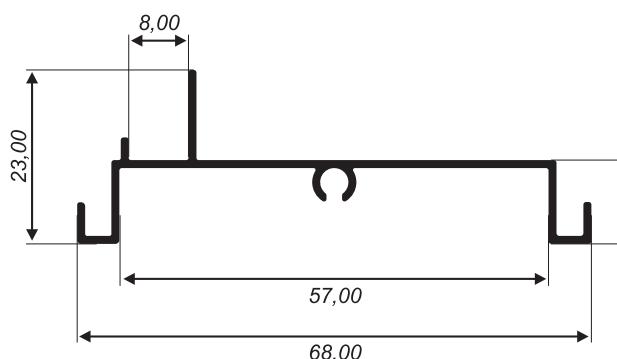
S-4147
0,264 kg/m



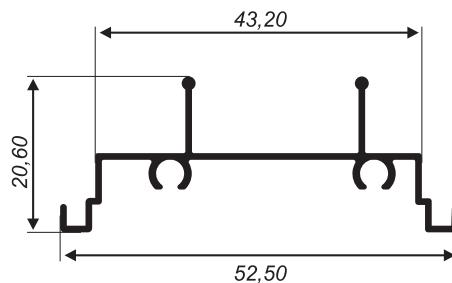
S-4149
0,115kg/m



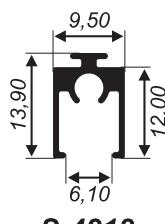
S-4172
0,316kg/m



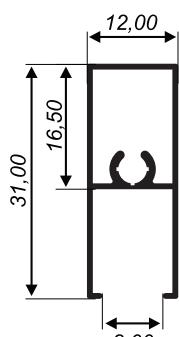
S-4173
0,323kg/m



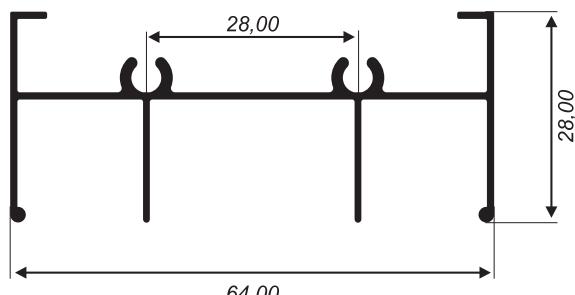
S-4191
0,277kg/m



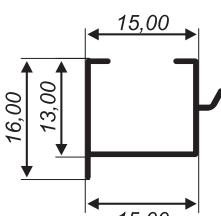
S-4218
0,127g/m



T-4244
0,201kg/m



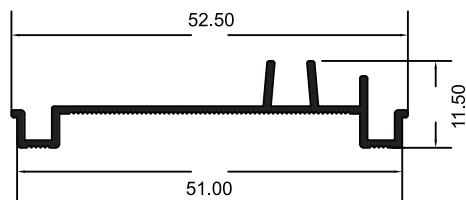
S-4245
0,498kg/m



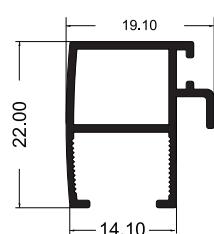
S-4255
0,105kg/m



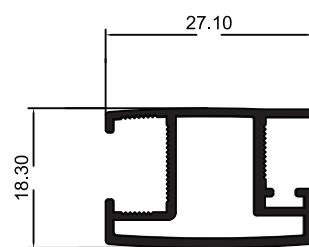
LINHA 16 DURABLE



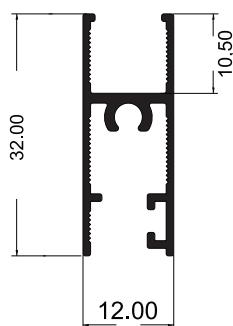
T-3303
0,212kg/m



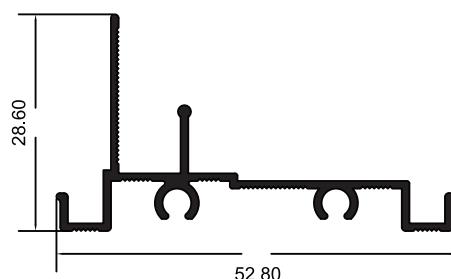
T-3304
0,225kg/m



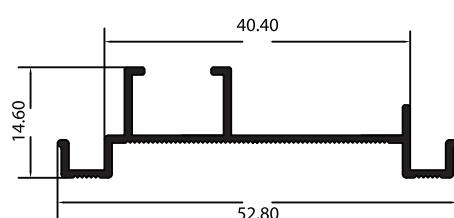
3305
0,316kg/m



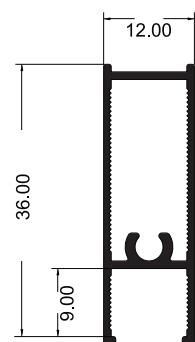
S-3306
0,248kg/m



S-3323
0,321kg/m

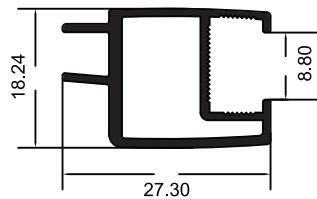


S-3362
0,238kg/m

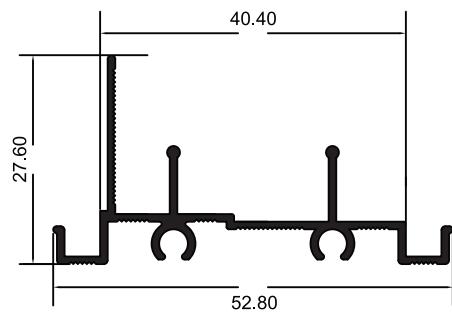


T-3363
0,262kg/m

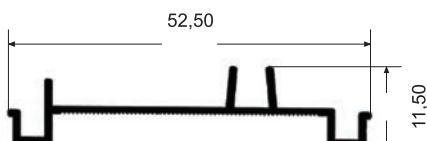
LINHA 16 DURABLE



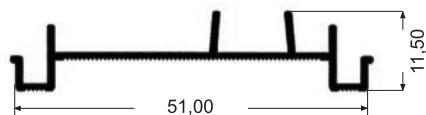
T-3426
0,303kg/m



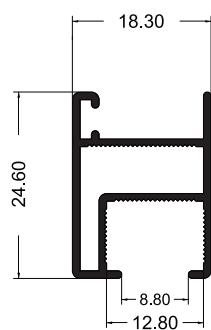
S-3427
0,345kg/m



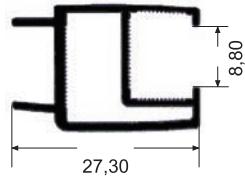
S- 3428
0,212kg/m



T- 3536
0,223kg/m



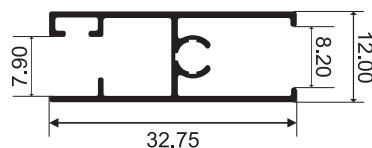
T-3537
0,252kg/m



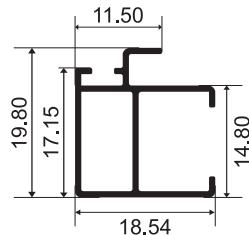
T- 3538
0,302kg/m



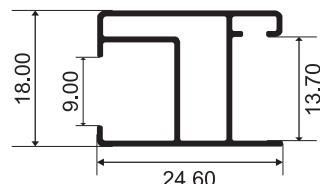
LINHA 16 EXTRA



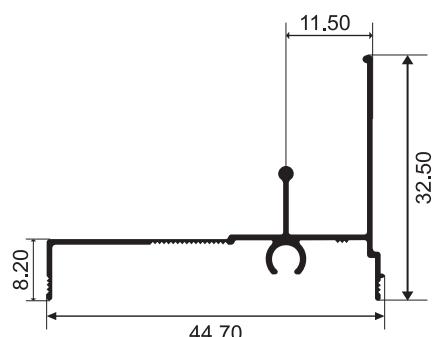
S-3711
0,202kg/m



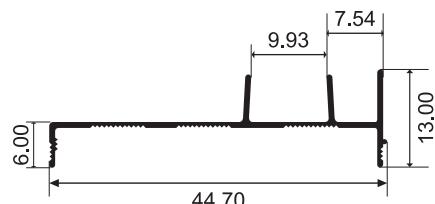
T-3712
0,166kg/m



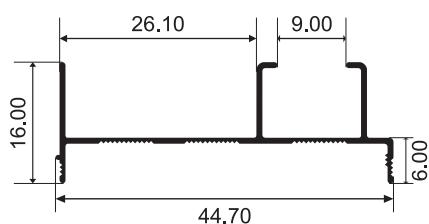
T-3713
0,206kg/m



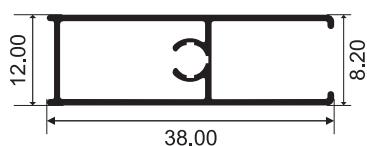
S-3714
0,217kg/m



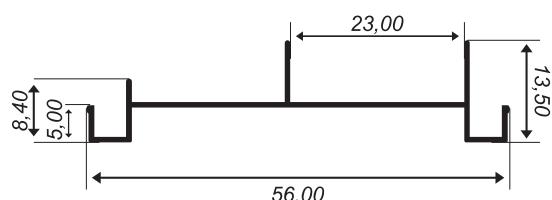
S-3715
0,144kg/m



S-3716
0,170kg/m



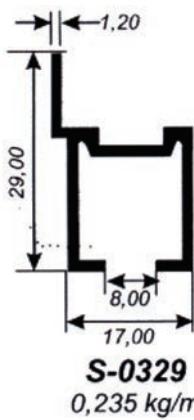
T-3717
0,220kg/m



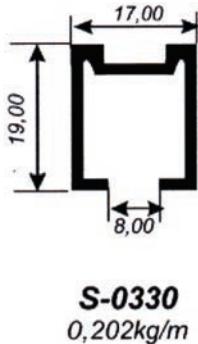
S-3721
0,199kg/m



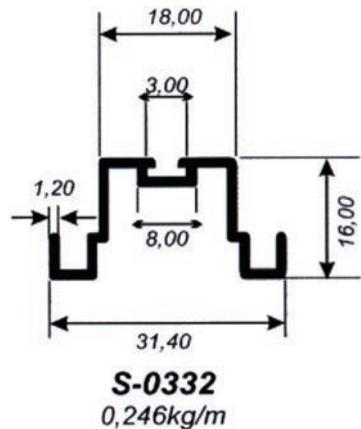
LINHA 16 BASCULANTE



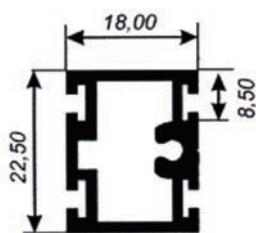
S-0329
0,235 kg/m



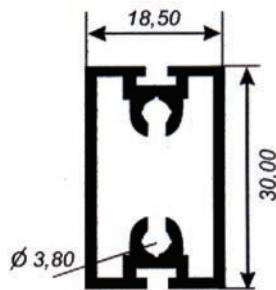
S-0330
0,202 kg/m



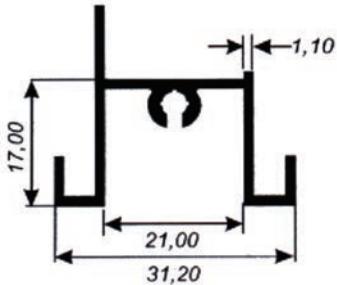
S-0332
0,246 kg/m



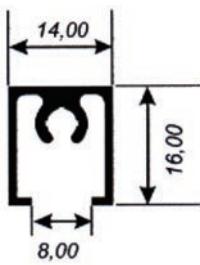
T-0659
0,404 kg/m



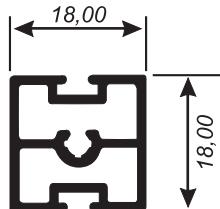
T-0798
0,499 kg/m



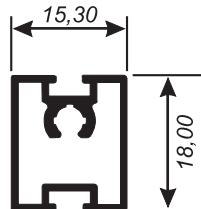
S-1084
0,277 kg/m



S-1085
0,176 kg/m



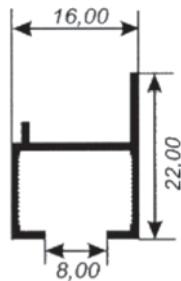
T-1563
0,316 kg/m



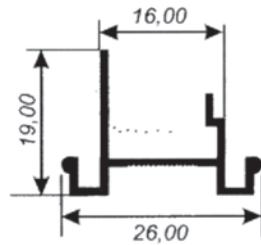
T-1703
0,232 kg/m



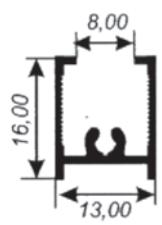
LINHA 16 BASCULANTE LEVE



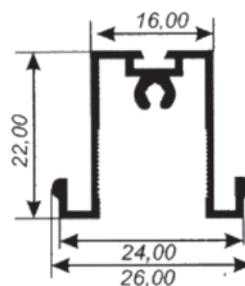
S-1186
0,134kg/m



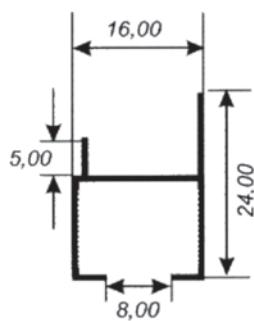
S-1187
0,159kg/m



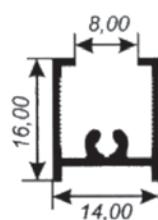
S-1188
0,127kg/m



S-1189
0,227kg/m

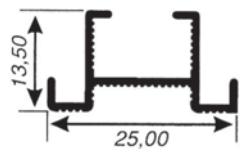


S-1293
0,143kg/m

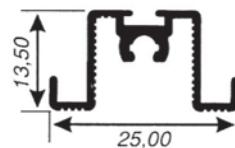


S-1312
0,127kg/m

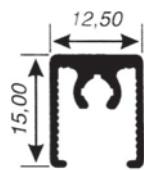
LINHA 16 BASCULANTE LEVÍSSIMA



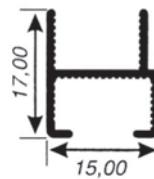
S-1773
0,166kg/m



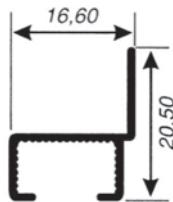
S-1774
0,200kg/m



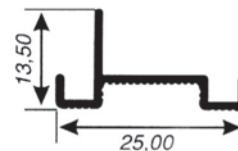
S-1775
0,180kg/m



S-1776
0,140kg/m



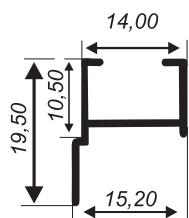
S-1777
0,131kg/m



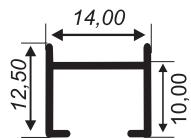
S-1778
0,127kg/m



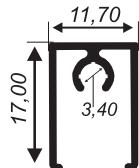
LINHA 16 BASCULANTE LEVÍSSIMA SEM ABA



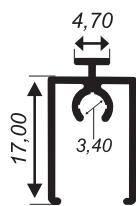
S-2263
0,127kg/m



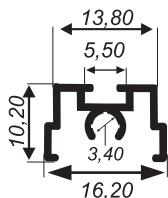
S-2264
0,110kg/m



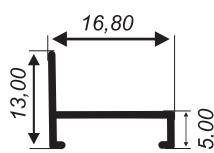
S-2265
0,156kg/m



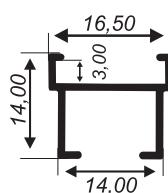
S-2266
0,169kg/m



S-2267
0,142kg/m

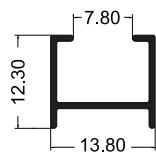


S-2268
0,094kg/m

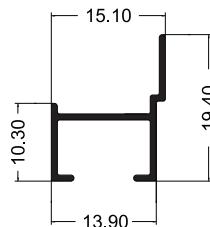


S-2271
0,131kg/m

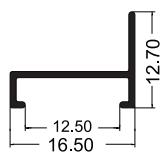
NOVA LINHA 16 BASCULANTE



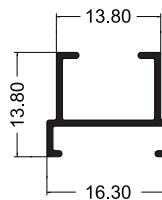
S-3516
0,088kg/m



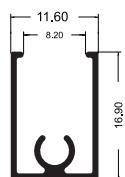
S-3517
0,102kg/m



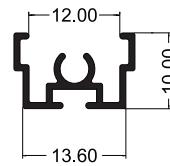
S-3518
0,075kg/m



S-3519
0,105kg/m



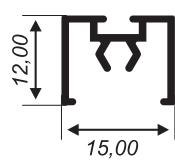
S-3520
0,126kg/m



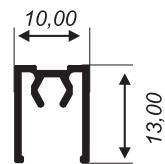
S-3521
0,115kg/m



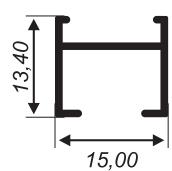
LINHA 16 BASCULANTE ESPECIAL



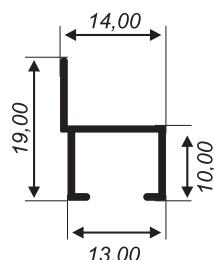
S-3151
0,148kg/m



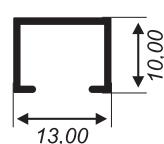
S-3152
0,117kg/m



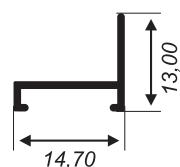
S-3153
0,124kg/m



S-3155
0,120kg/m

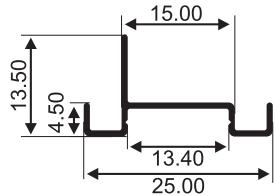


S-3156
0,094kg/m

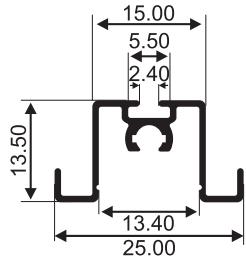


S-3181
0,085kg/m

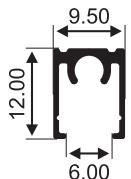
LINHA 16 LEVE BASCULANTE ESPECIAL 2



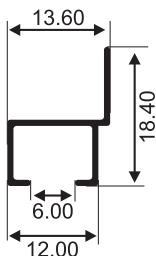
S-3366
0,102kg/m



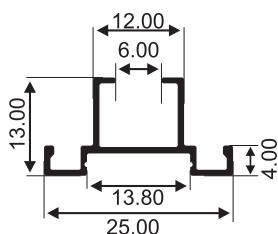
S-3367
0,167kg/m



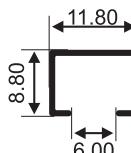
S-3368
0,104kg/m



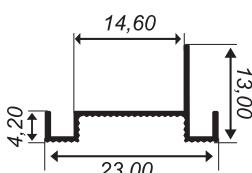
S-3369
0,094kg/m



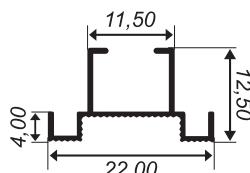
S-3370
0,135kg/m



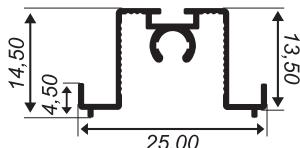
S-3371
0,069kg/m



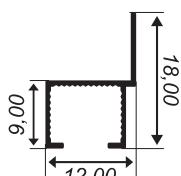
S-4030
0,090kg/m



S-4031
0,108kg/m



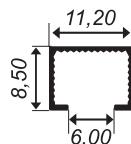
S-4032
0,161kg/m



S-4033
0,086kg/m



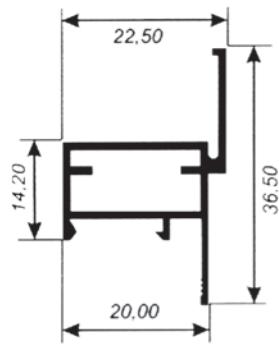
S-4034
0,080kg/m



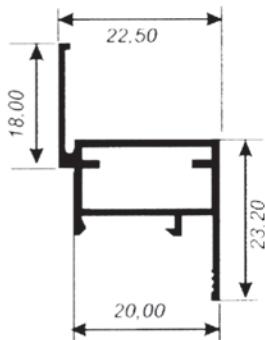
S-4035
0,059kg/m



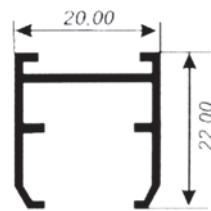
LINHA 20 BASCULANTE



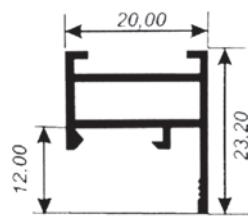
T-1248
0,341kg/m



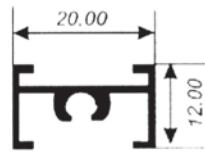
T-1249
0,341kg/m



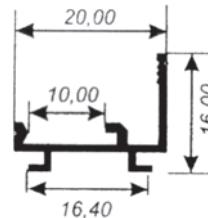
S-1250
0,246kg/m



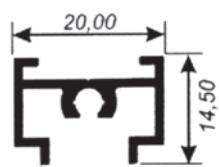
T-1251
0,271kg/m



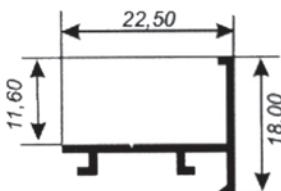
S-1252
0,203kg/m



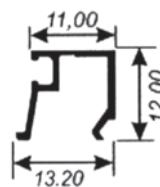
S-1253
0,155kg/m



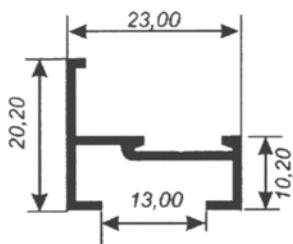
S-1254
0,224kg/m



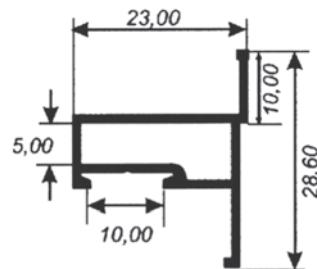
S-1255
0,162kg/m



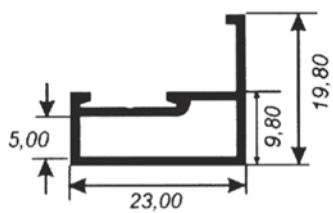
S-1259
0,108kg/m



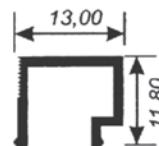
S-0750
0,228kg/m



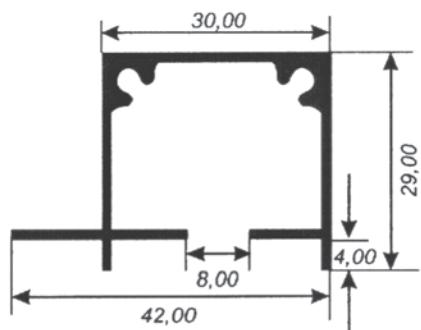
T-0751
0,306kg/m



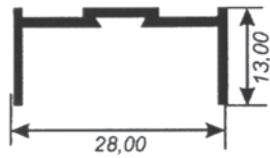
T-0752
0,266kg/m



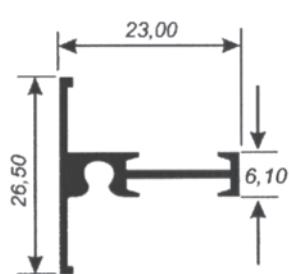
S-0753
0,100kg/m



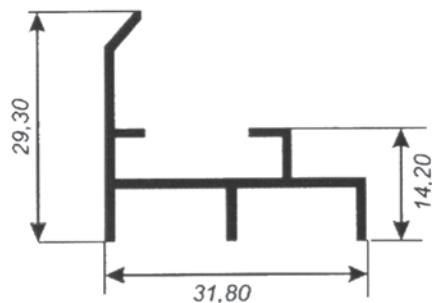
S-0755
0,515kg/m



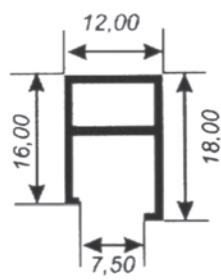
S-0760
0,210kg/m



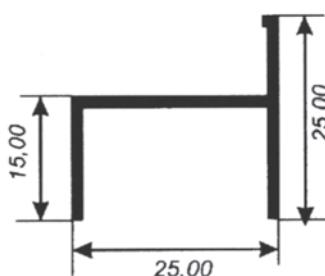
S-0789
0,271kg/m



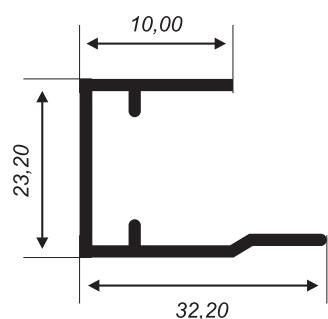
S-0790
0,266kg/m



T-0791
0,161kg/m

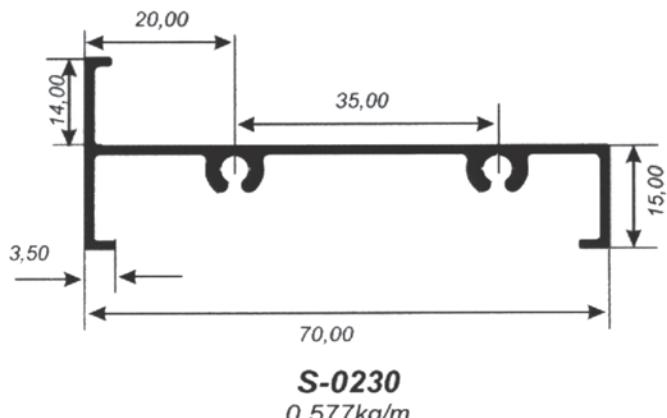
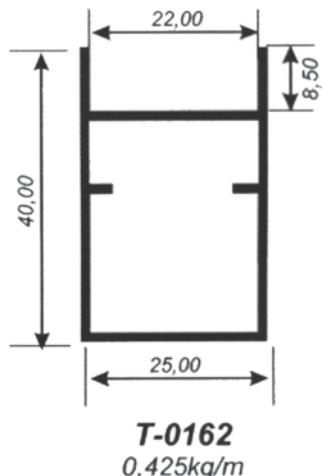
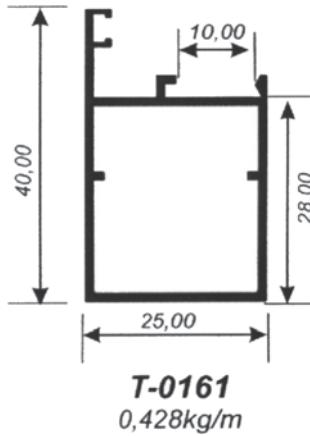
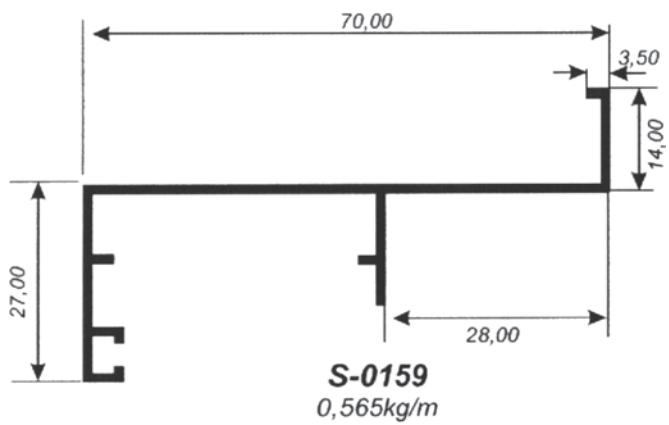
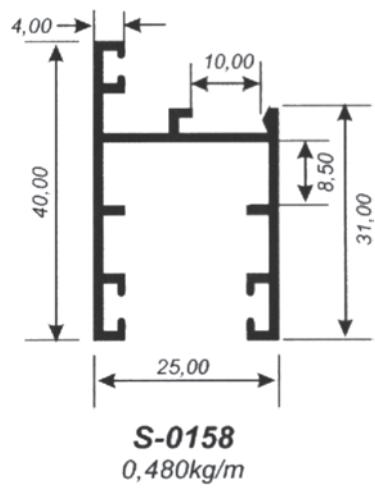
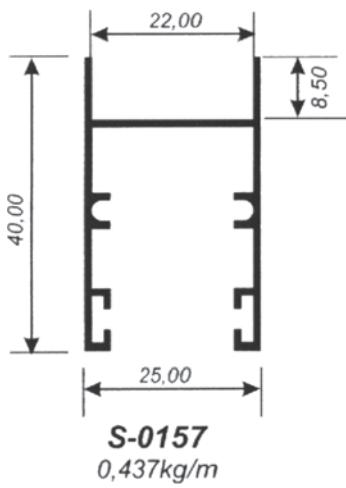


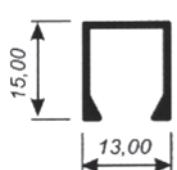
S-0809
0,230kg/m



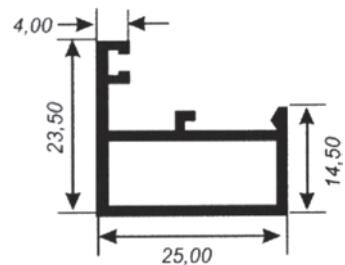
S-1286
0,296kg/m

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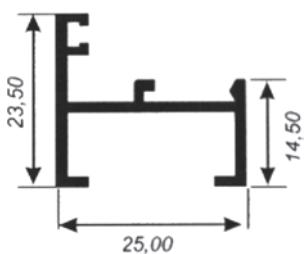




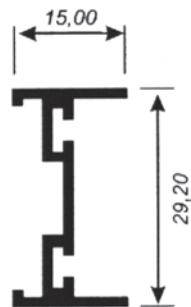
S-0267
0,173kg/m



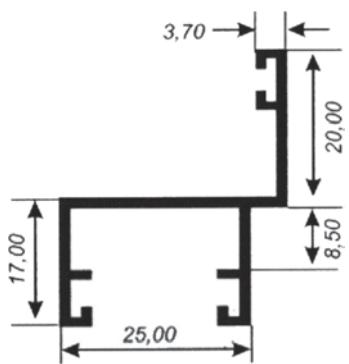
T-0268
0,360kg/m



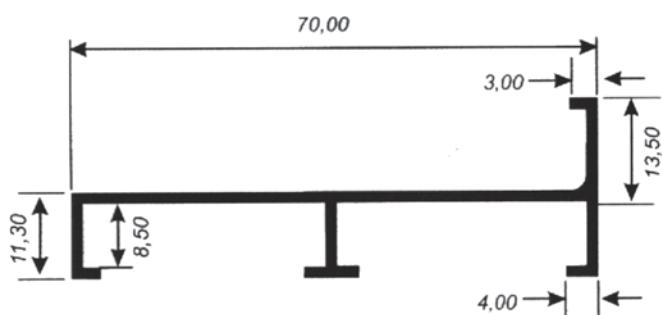
S-0311
0,271kg/m



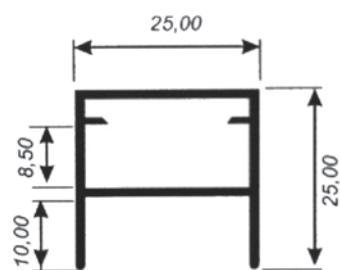
S-0313
0,225kg/m



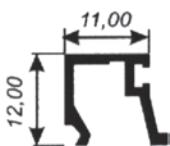
S-0314
0,410kg/m



S-0386
0,472kg/m



T-0428
0,338kg/m



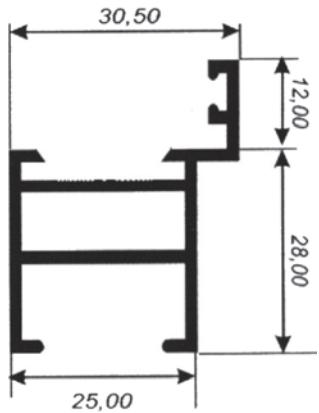
S-1259
0,108kg/m



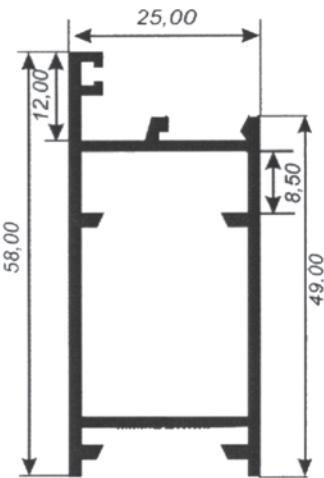
LINHA 25



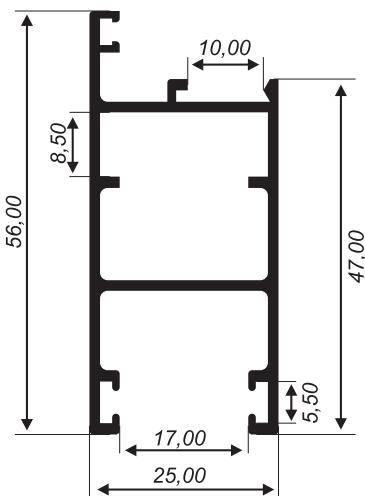
Linha 25



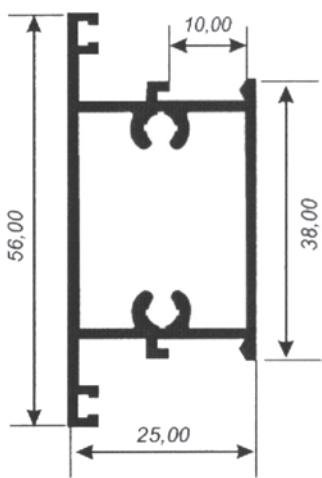
T-1260
0,560kg/m



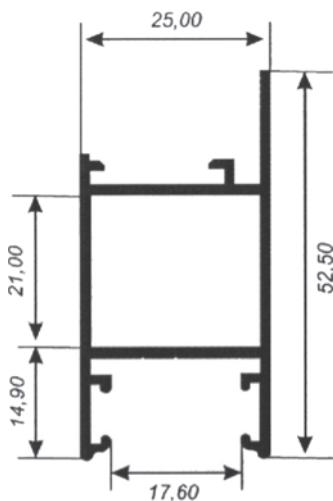
T-1261
0,704kg/m



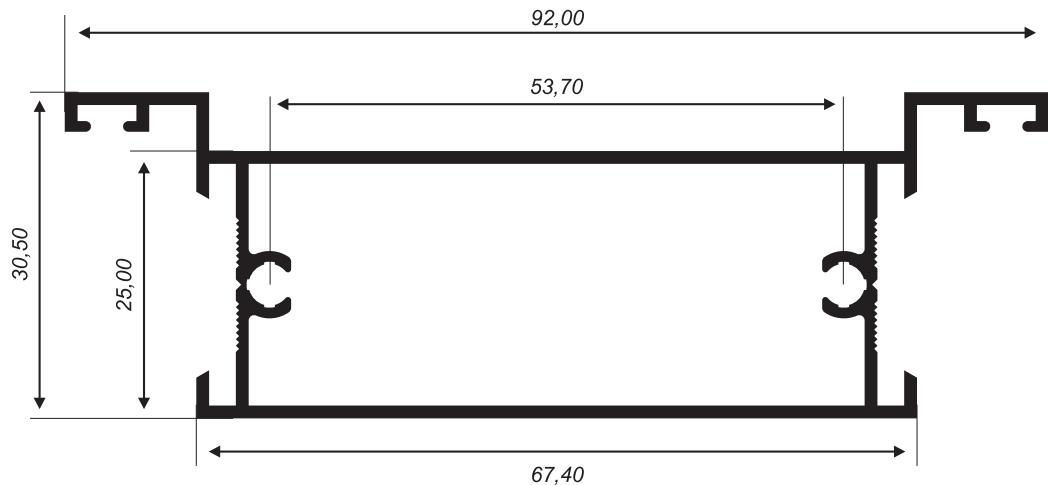
T-2871
0,672kg/m



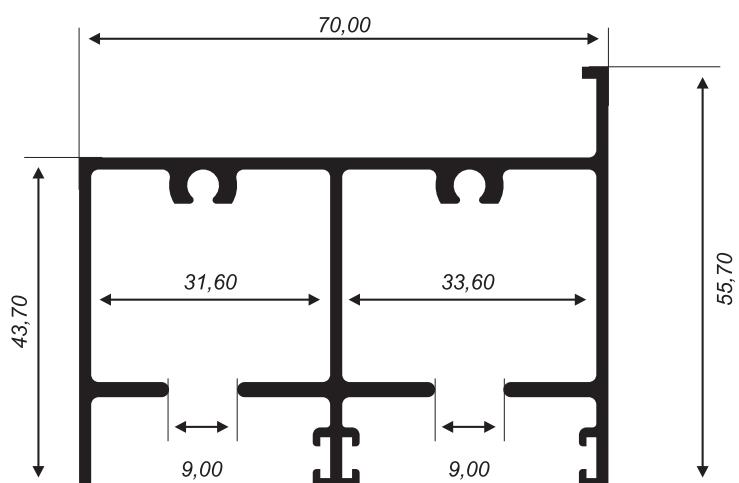
T-1262
0,756kg/m



T-1369
0,478kg/m

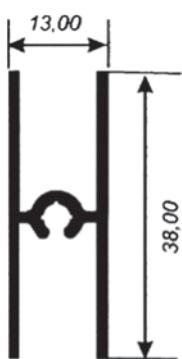


T-2807
0,829kg/m

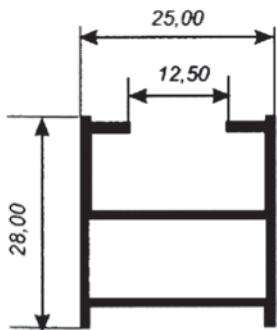


S-2877
1,363kg/m

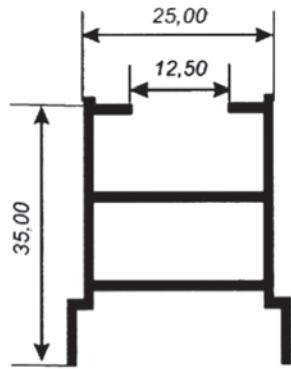
LINHA 25 LEVE



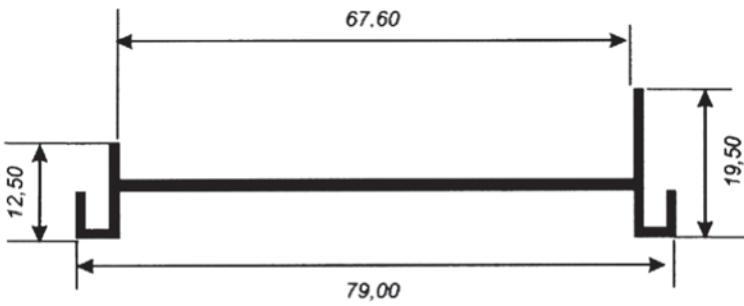
S-1344
0,316kg/m



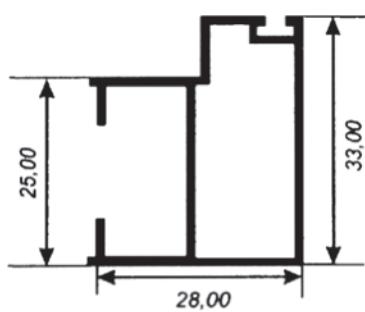
T-1345
0,366kg/m



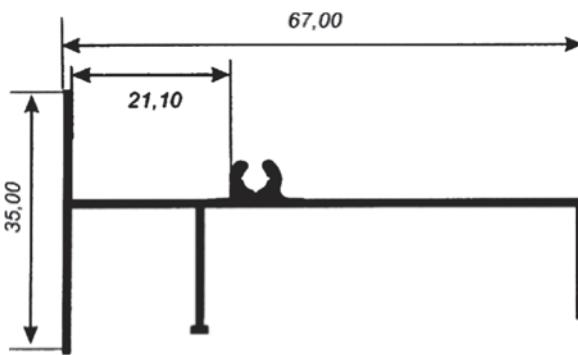
T-1346
0,425kg/m



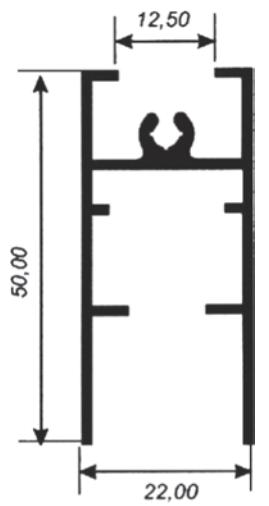
S-1347
0,428kg/m



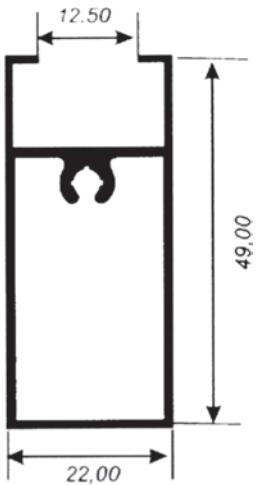
T-1348
0,435kg/m



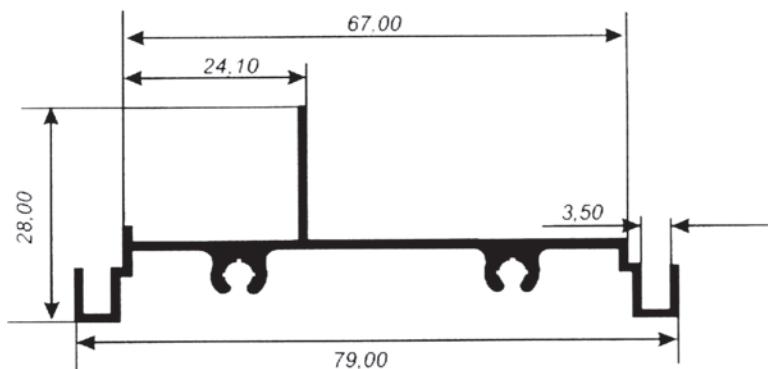
S-1349
0,512kg/m



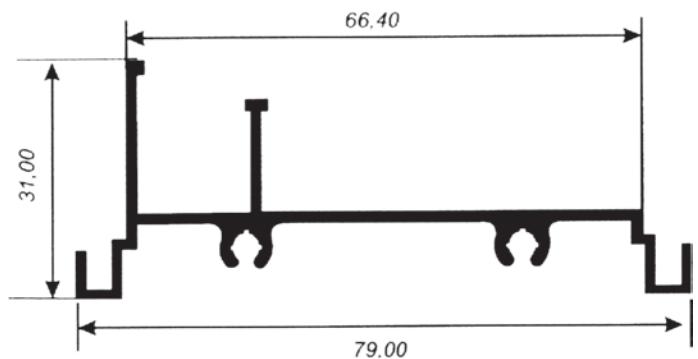
S-1350
0,521kg/m



T-1351
0,532kg/m



S-1352
0,606kg/m

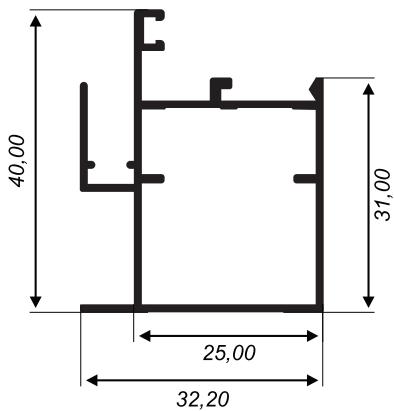


S-1353
0,650kg/m

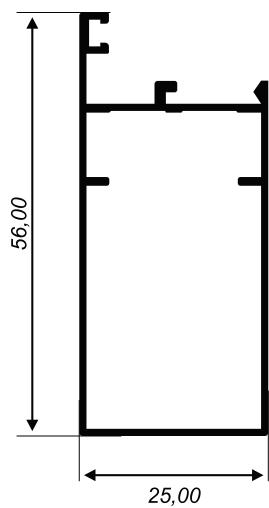
LINHA 25 LEVE



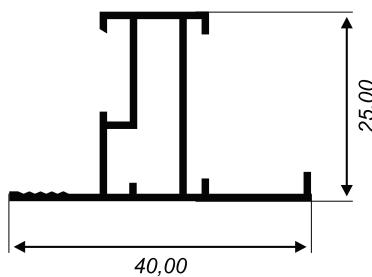
Linha 25



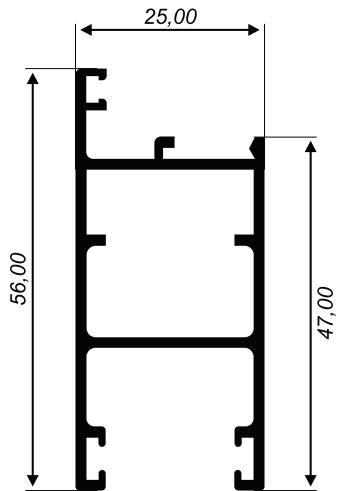
T-1731
0,464kg/m



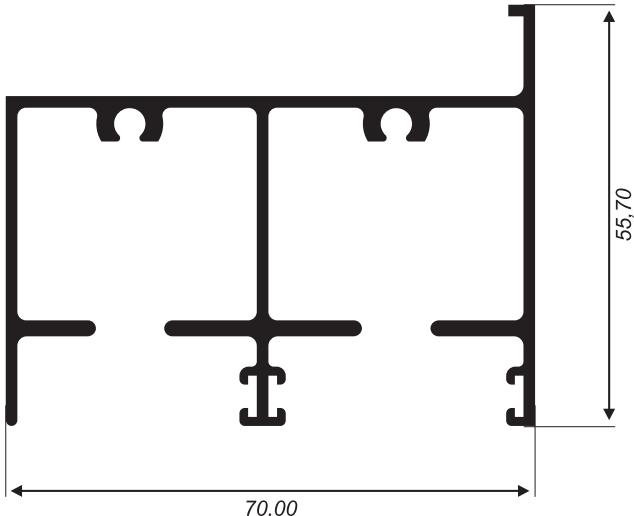
T-1733
0,470kg/m



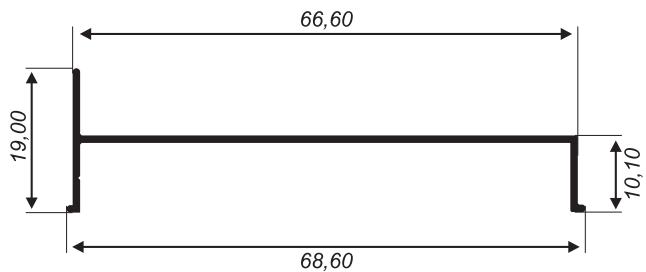
T-1762
0,316kg/m



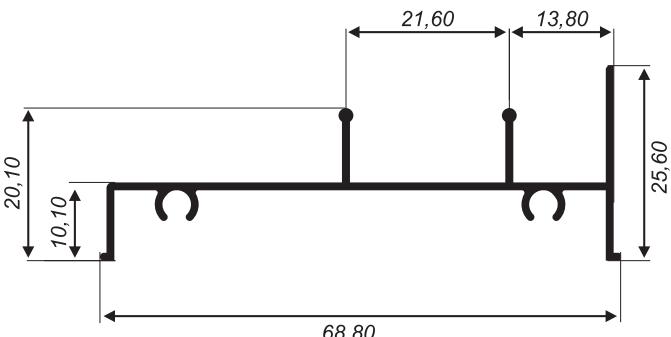
T-2871
0,672kg/m



S-2877
1,363kg/m



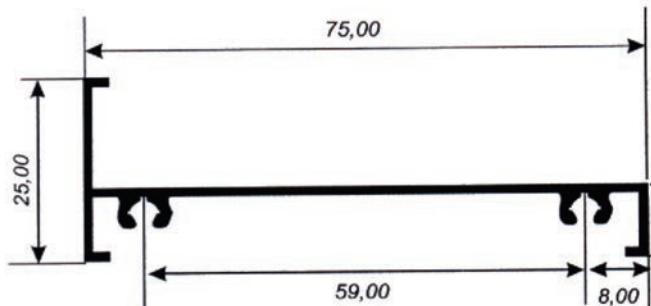
S-4327
0,232kg/m



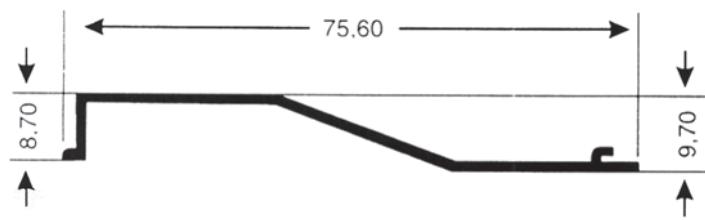
S-4328
0,354kg/m



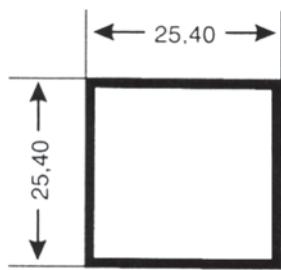
LINHA 25 LEVE ESPECIAL



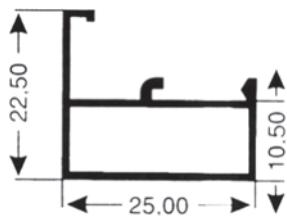
S-0724
0,455kg/m



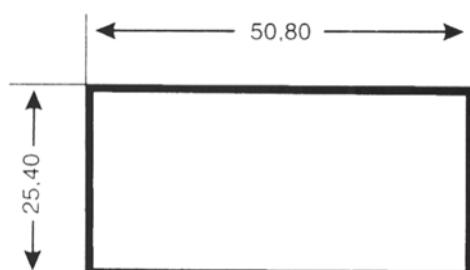
S-1636
0,200kg/m



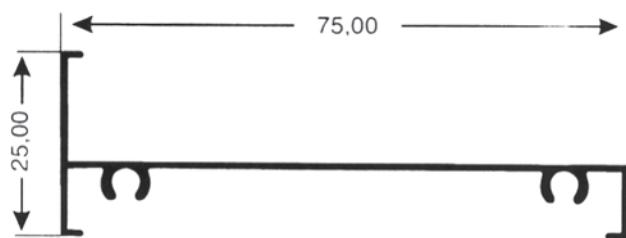
T-1684
0,250kg/m



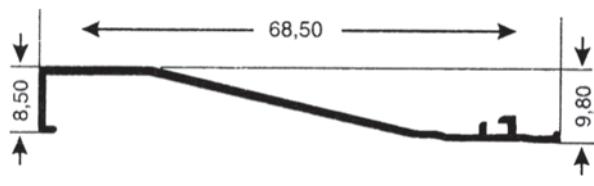
T-1686
0,214kg/m



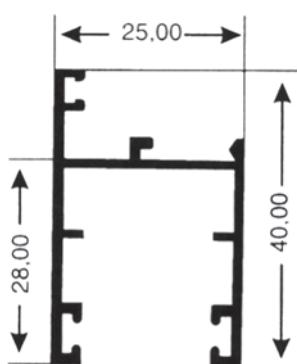
T-1693
0,322kg/m



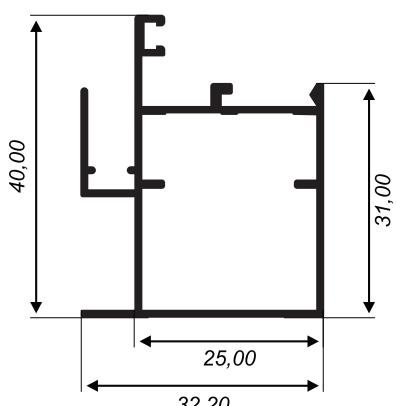
S-1714
0,300kg/m



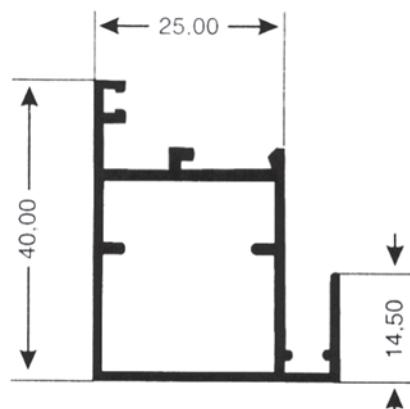
S-1715
0,180kg/m



S-1727
0,360kg/m



T-1731
0,464kg/m

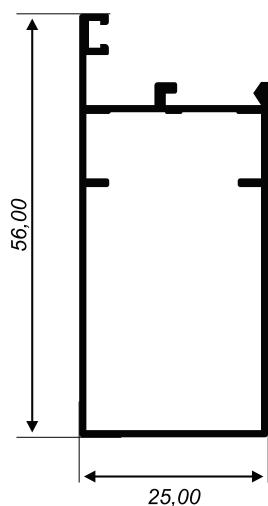


T-1732
0,395kg/m

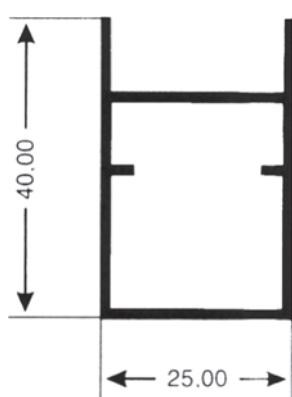
LINHA 25 LEVE ESPECIAL



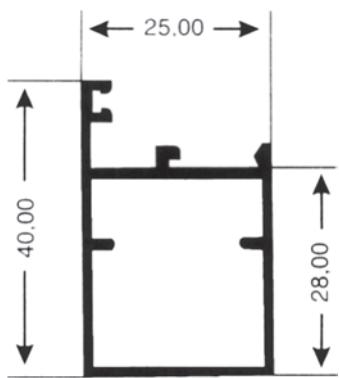
Linha 25



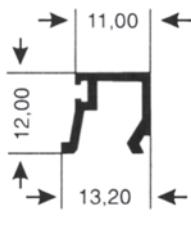
T-1733
0,470kg/m



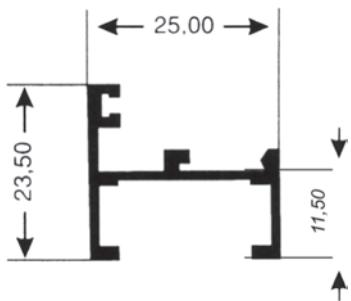
T-1734
0,400kg/m



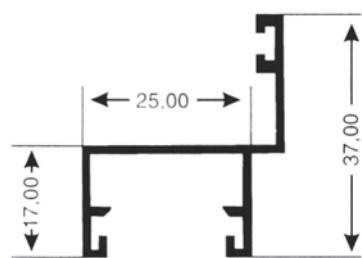
S-1735
0,400kg/m



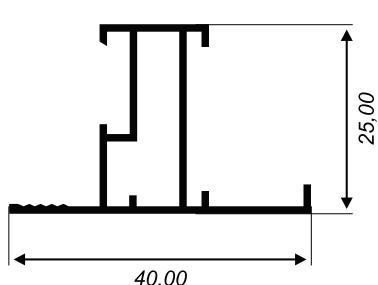
S-1736
0,080kg/m



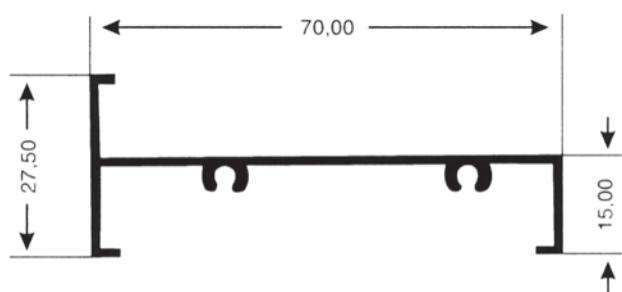
S-1737
0,200kg/m



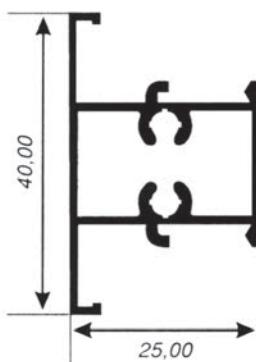
S-1738
0,250kg/m



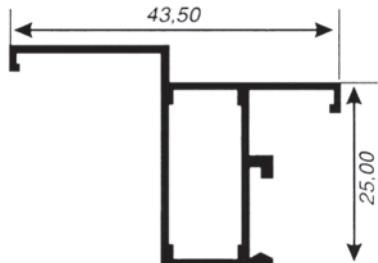
T-1762
0,316kg/m



S-1765
0,328kg/m



T-1802
0,433kg/m



T-1803
0,345kg/m

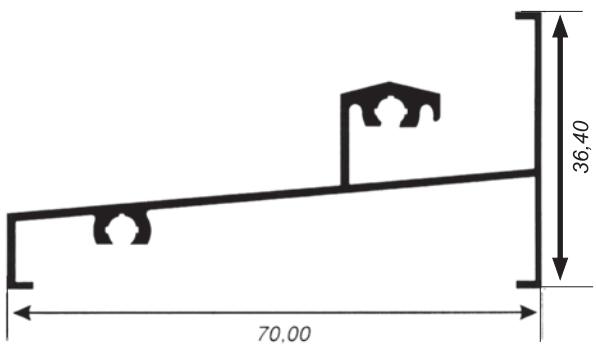


T-1808
0,595kg/m

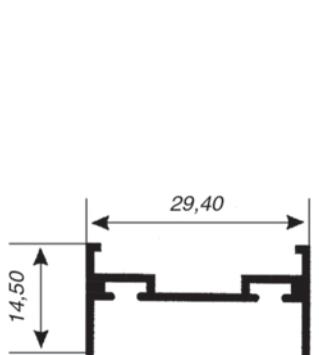


LINHA 25 LEVE ESPECIAL

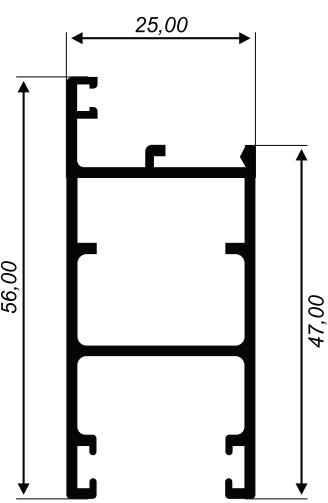
Linha 25



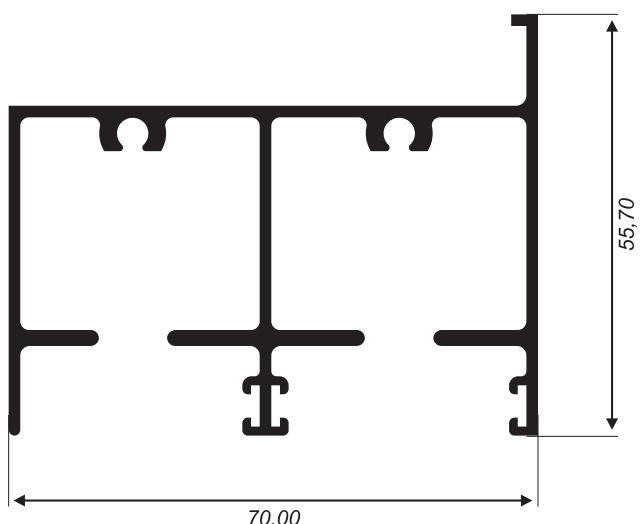
T-1809
0,510kg/m



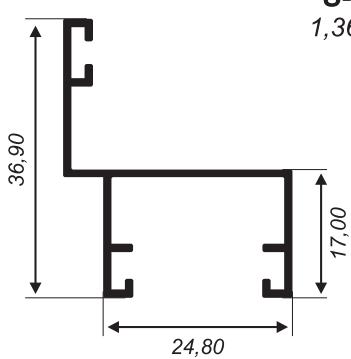
T-1811
0,203kg/m



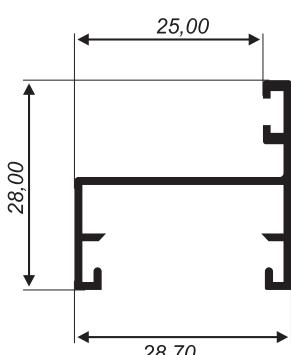
T-2871
0,672kg/m



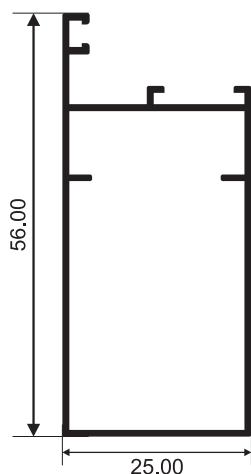
S-2877
1,363kg/m



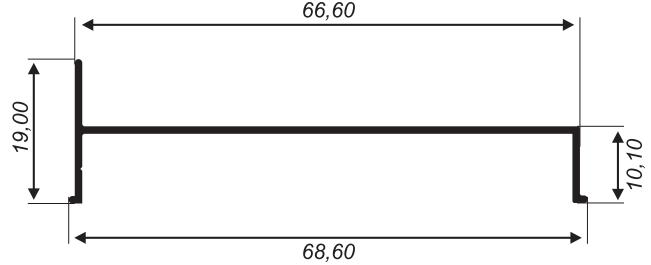
S-3106
0,305kg/m



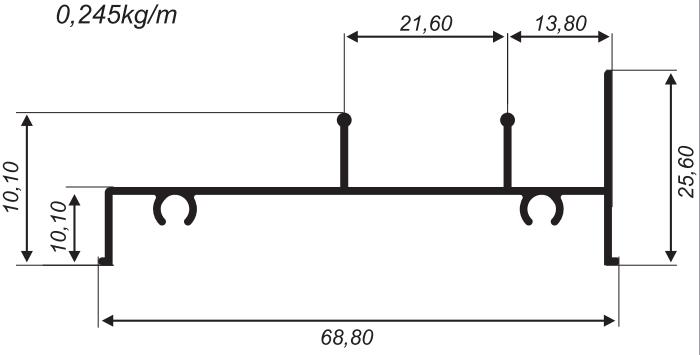
S-4254
0,245kg/m



T-3812
0,386kg/m



S-4327
0,2329kg/m



S-4328
0,354kg/m

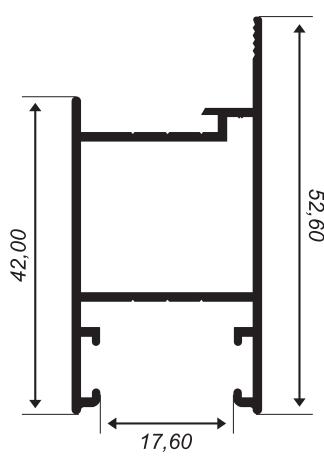


PERFIL METAL

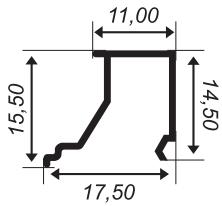
LINHA 25 SU



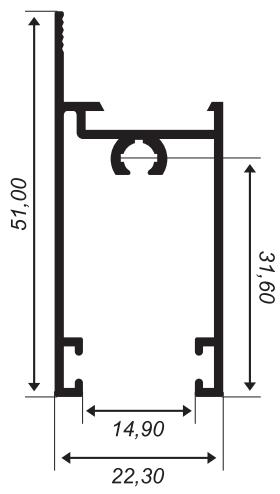
Linha 25



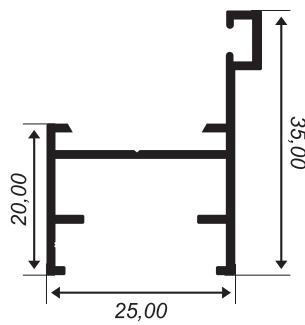
T-1877
0,516kg/m



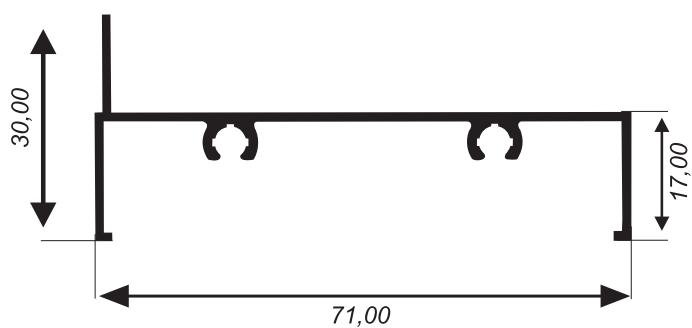
S-1878
0,110kg/m



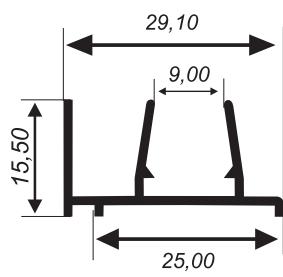
S-1879
0,490kg/m



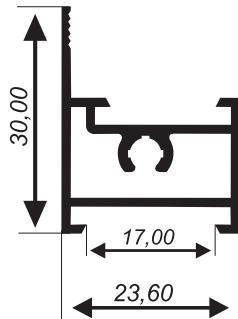
S-1880
0,328kg/m



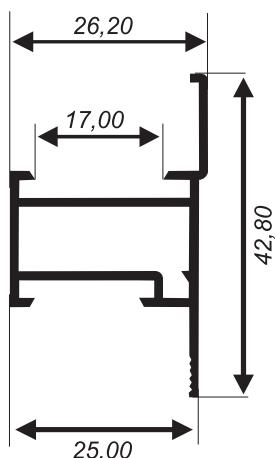
S-2051
0,482kg/m



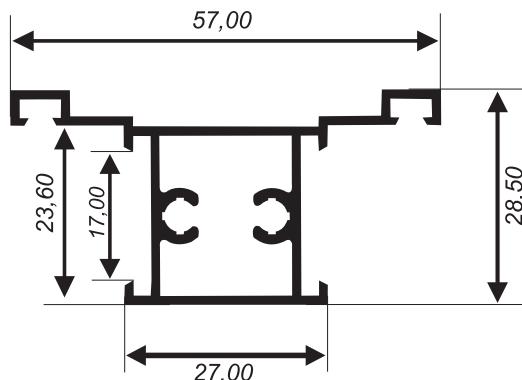
S-2052
0,239kg/m



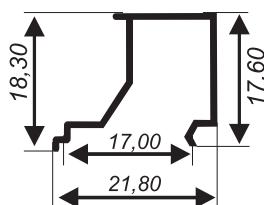
T-2055
0,377kg/m



T-2056
0,388kg/m



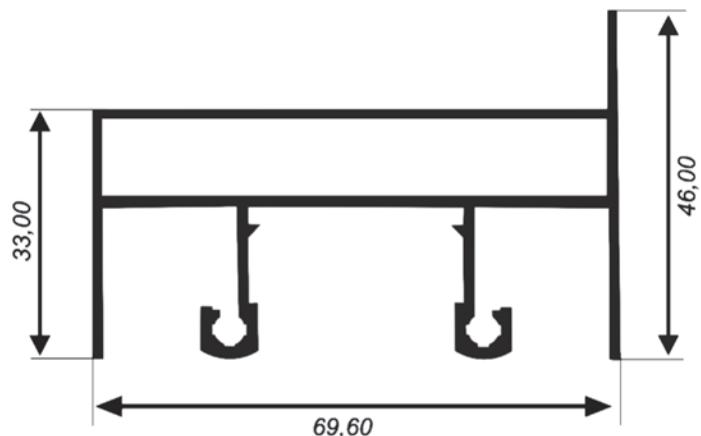
T-2057
0,598kg/m



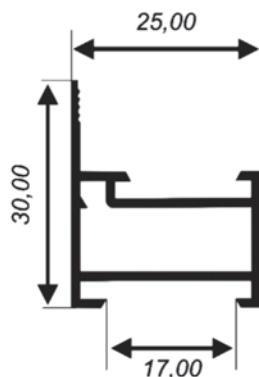
S-2058
0,140kg/m



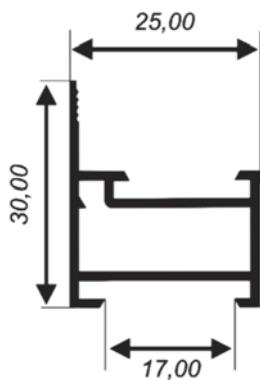
PERFIL METAL



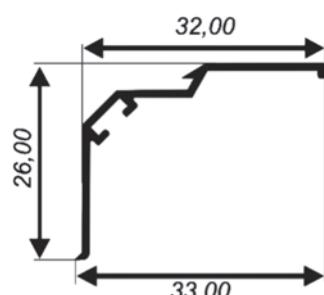
T-2120
1,077kg/m



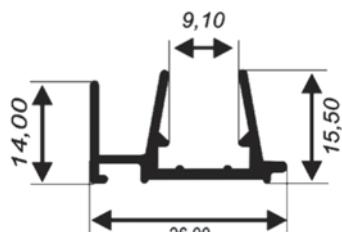
T-2285
0,340kg/m



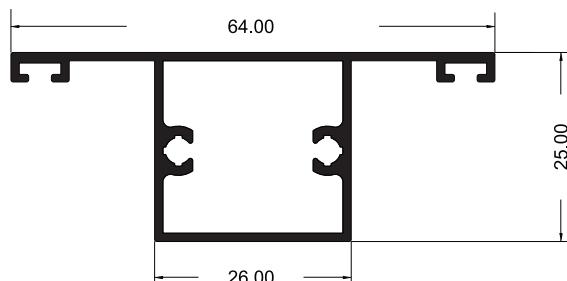
T-2285
0,340kg/m



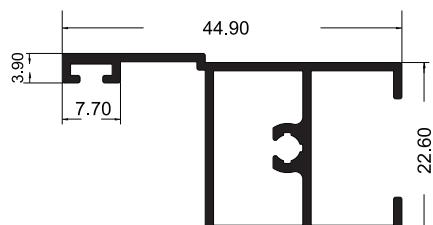
S-2288
0,169kg/m



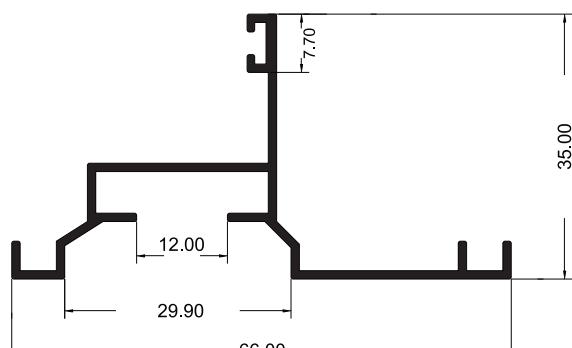
S-2289
0,262kg/m



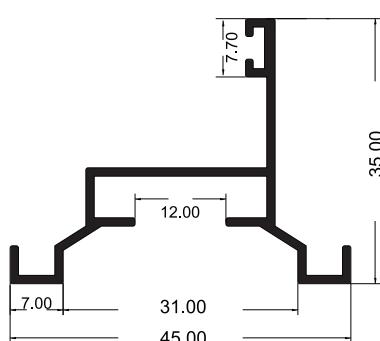
T-2563
0,532kg/m



T-2564
0,421kg/m



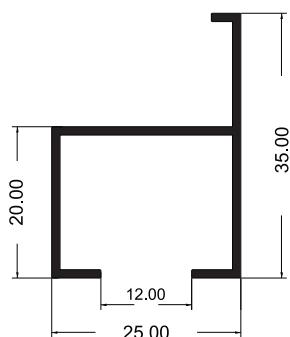
S-2565
0,422kg/m



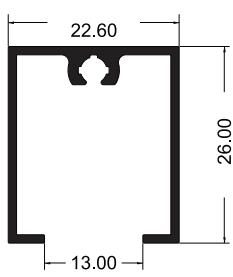
S-2566
0,349kg/m



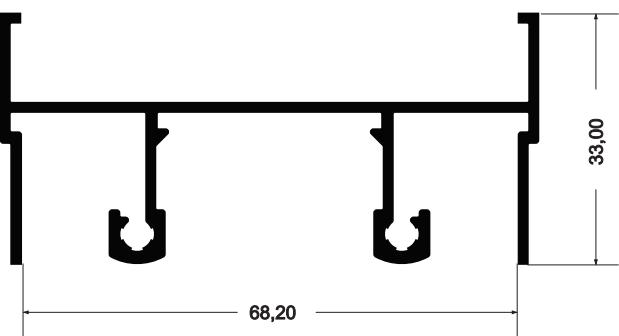
LINHA 25 SU



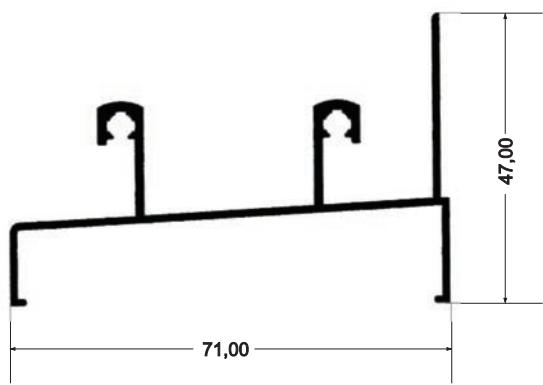
S-2567
0,271kg/m



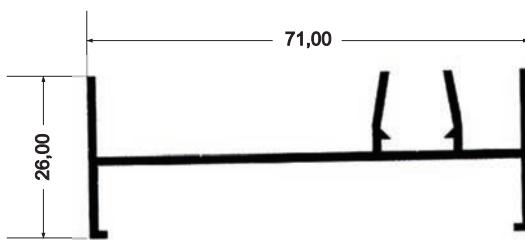
S-2568
0,278kg/m



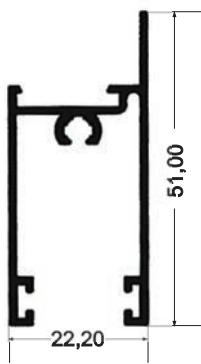
S-3559
0,664kg/m



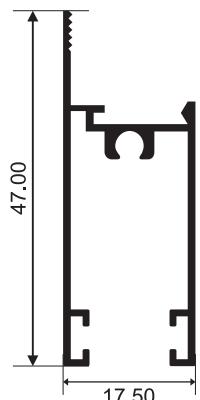
S-3560
0,620kg/m



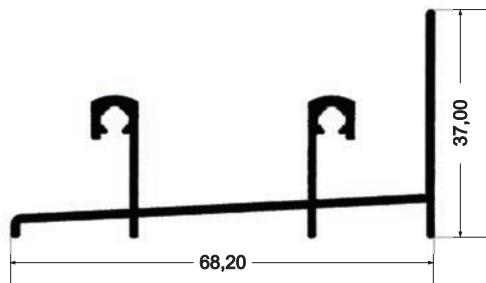
S-3561
0,451kg/m



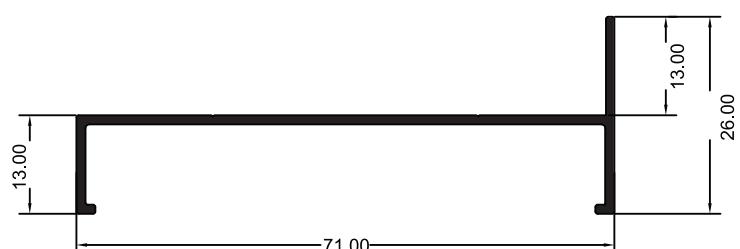
S-3562
0,442kg/m



S-3811
0,349kg/m

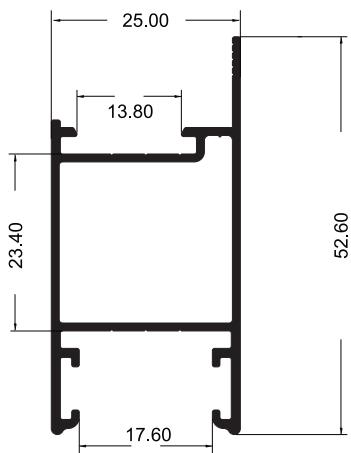


S-3563
0,592kg/m

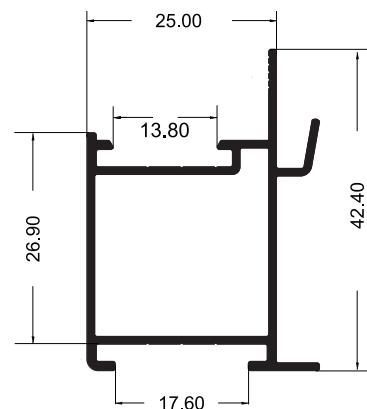


S-3602
0,353kg/m

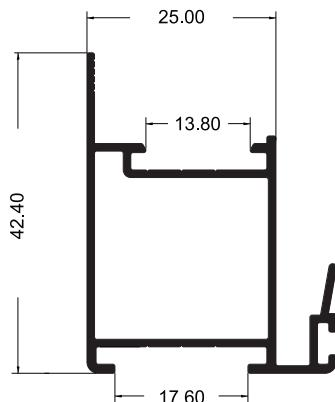




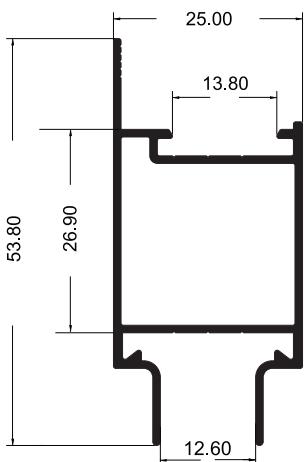
T-3564
0,474kg/m



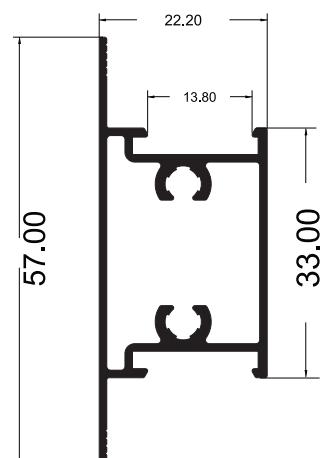
T-3565
0,410kg/m



T-3566
0,437kg/m



T-3567
0,446kg/m

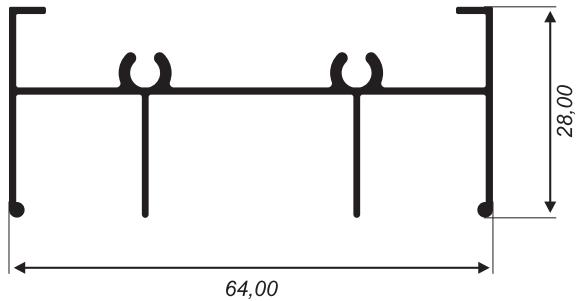


T-3568
0,486kg/m

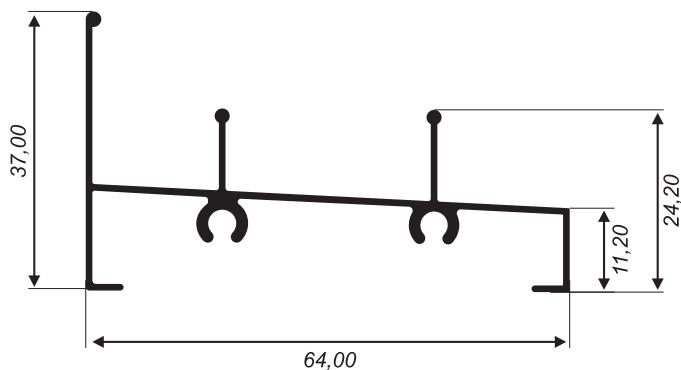
LINHA 25 SU



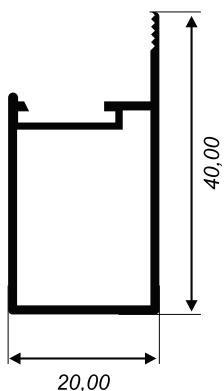
Linha 25



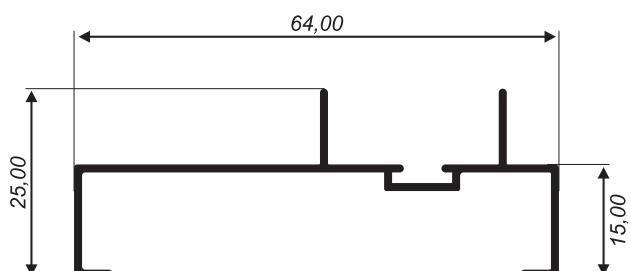
S-4245
0,498kg/m



S-4246
0,463kg/m



T-4247
0,298kg/m



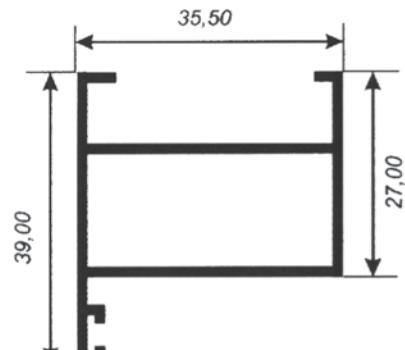
S-4248
0,344kg/m



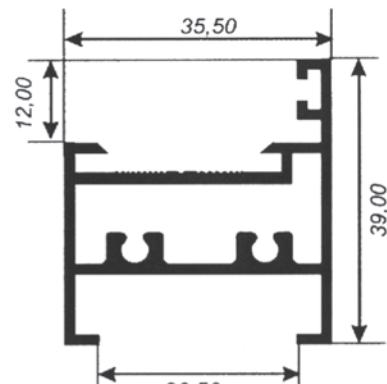
PERFIL METAL



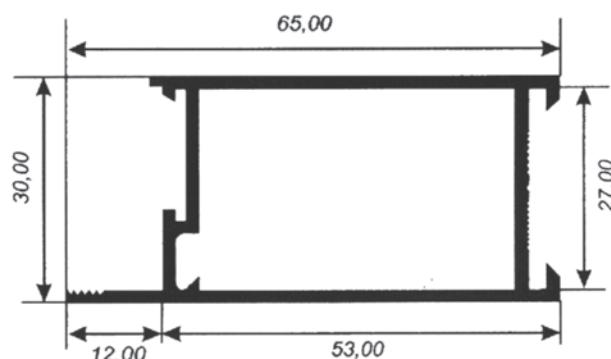
MÓDULO ESPECIAL



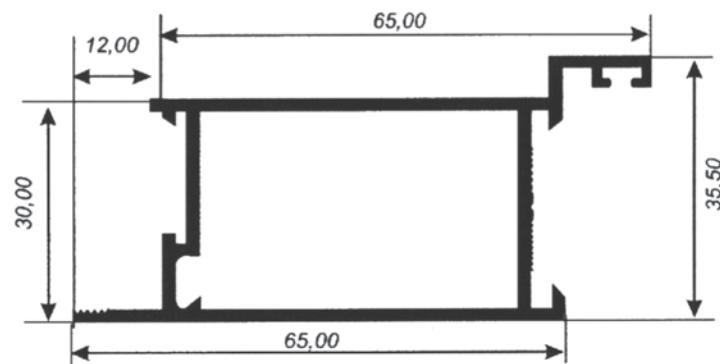
T-0960
0,512kg/m



T-0961
0,663kg/m

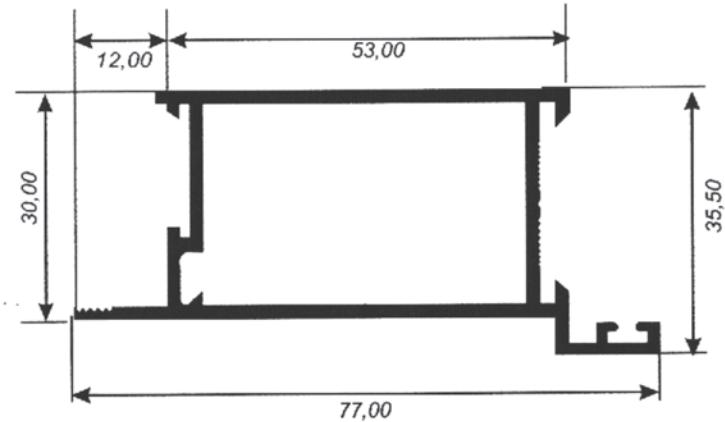


T-0962
0,761kg/m

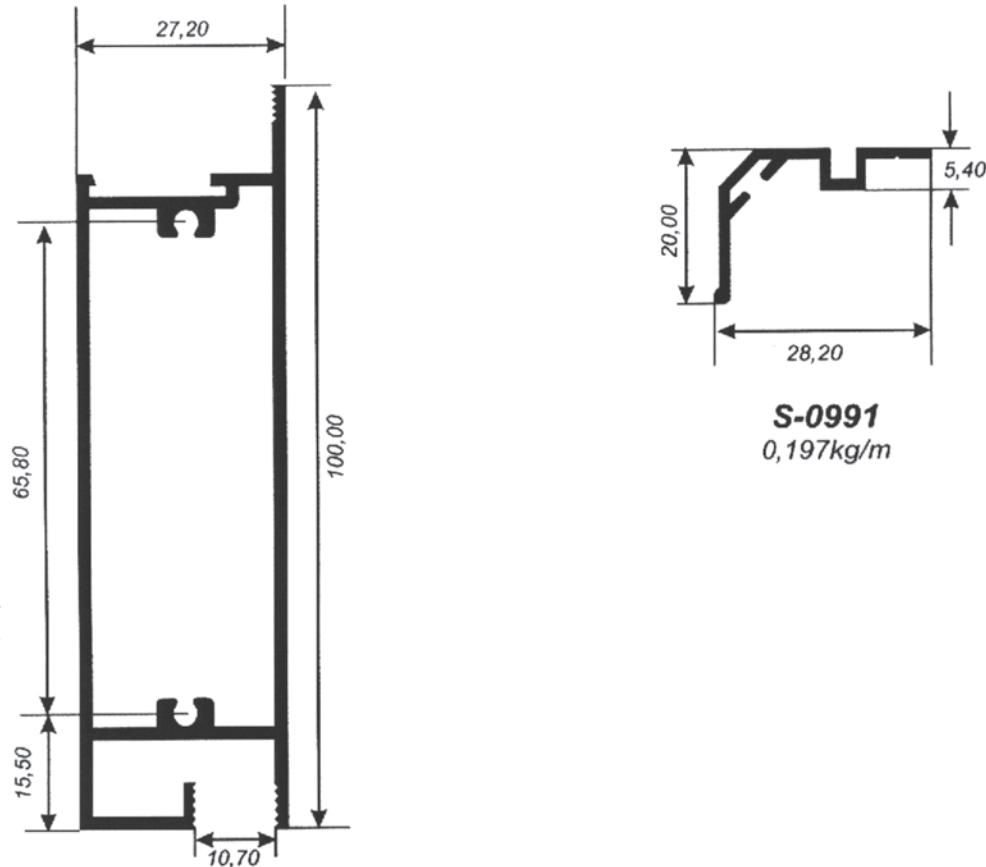


T-0963
0,827kg/m

MÓDULO ESPECIAL

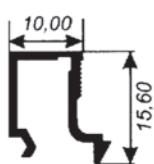


T-0964
0,783kg/m

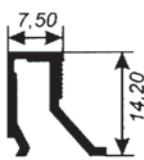


T-0965
1,157kg/m

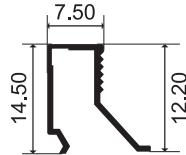




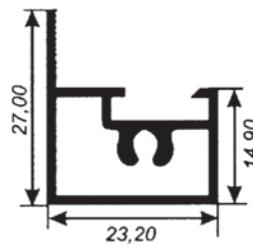
S-0849
0,121kg/m



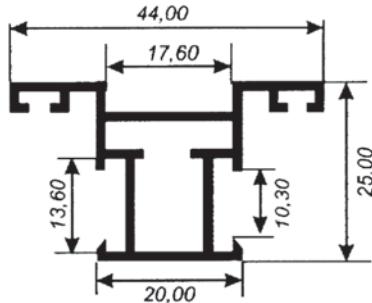
S-0850
0,108kg/m



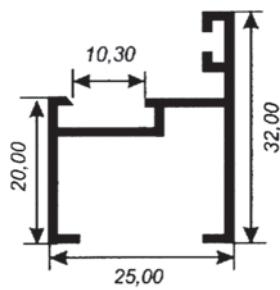
S-3810
0,087kg/m



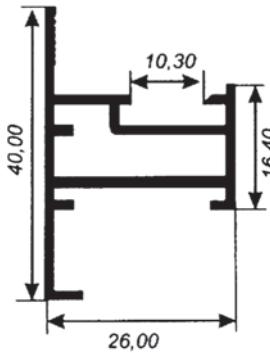
T-0988
0,350kg/m



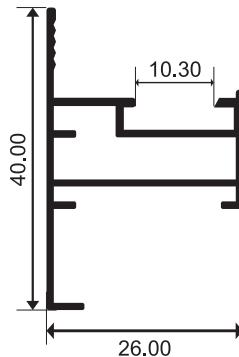
T-0989
0,457kg/m



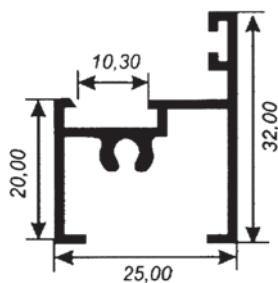
S-0990
0,318kg/m



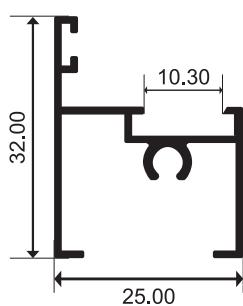
T-0992
0,416kg/m



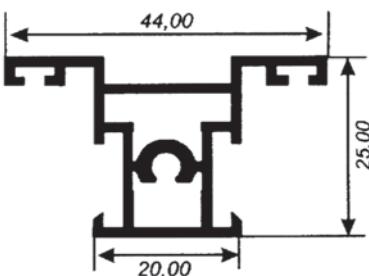
T-3814
0,342kg/m



S-0994
0,352kg/m

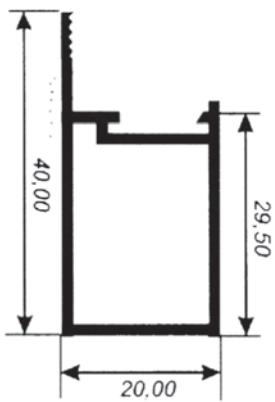


S-3809
0,297kg/m

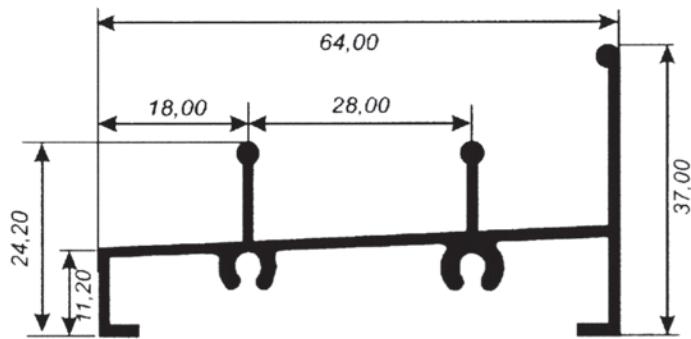


T-1122
0,523kg/m

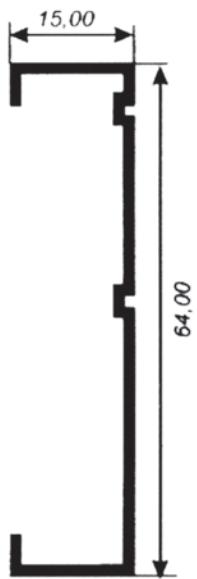
MÓDULO PRÁTICO



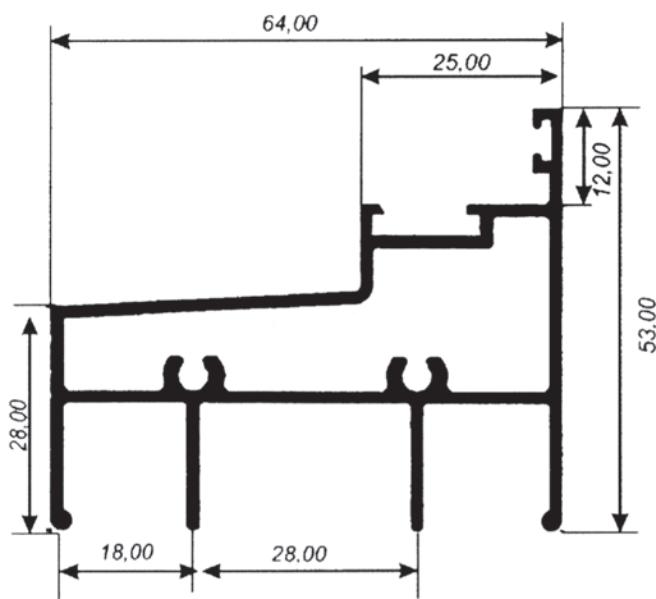
T-0851
0,370kg/m



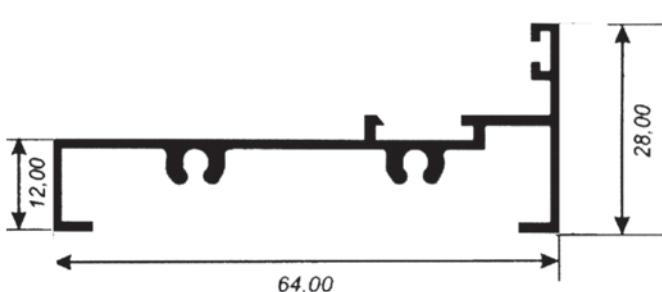
S-0852
0,631kg/m



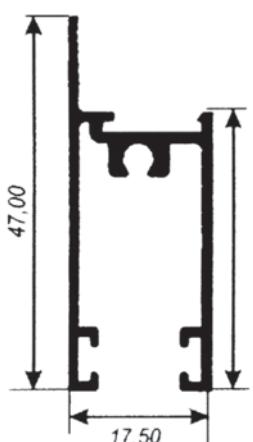
S-0853
0,363kg/m



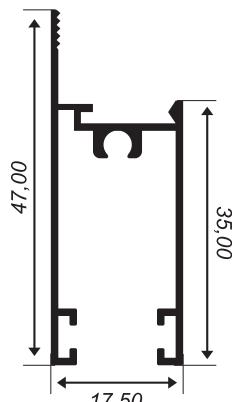
T-0854
1,078kg/m



S-0855
0,539kg/m



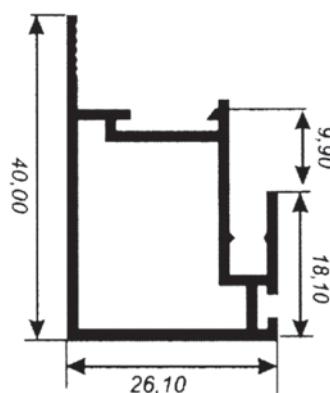
S-0904
0,429kg/m



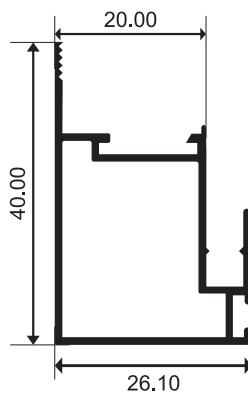
S-3811
0,349kg/m



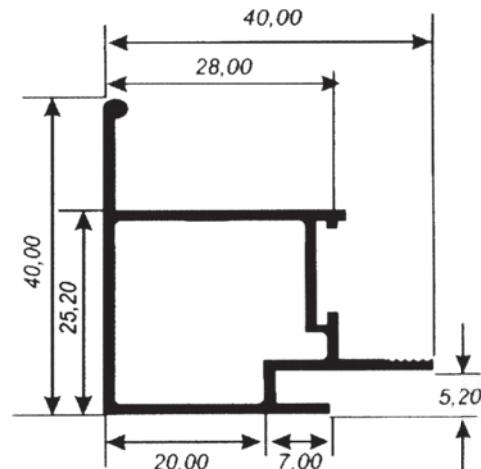
MÓDULO PRÁTICO



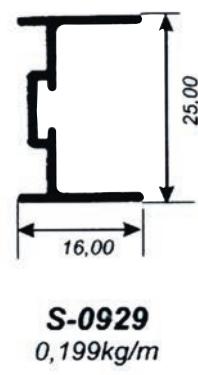
T-0927
0,452kg/m



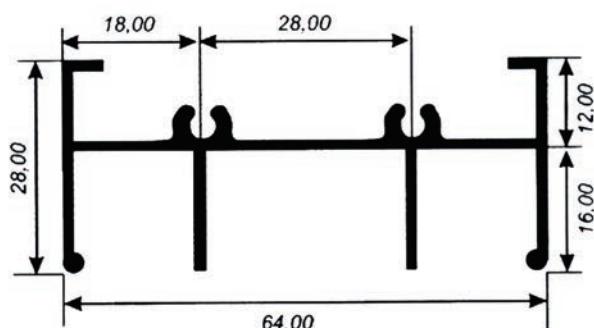
T-3813
0,374kg/m



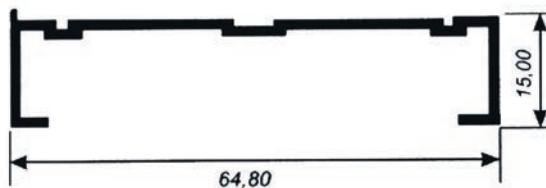
T-0928
0,473kg/m



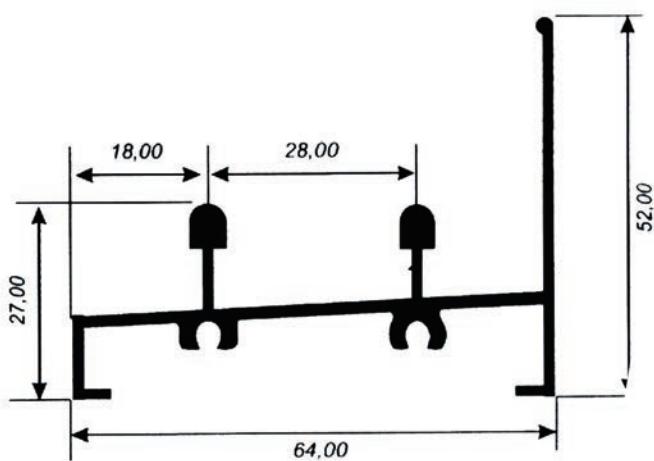
S-0929
0,199kg/m



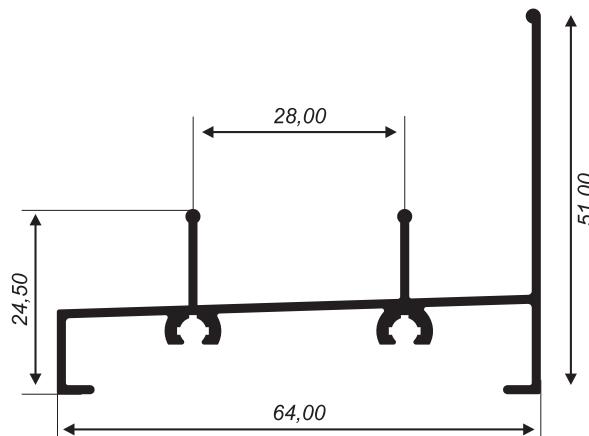
S-0930
0,659kg/m



S-0993
0,412kg/m



S-1082
0,803kg/m

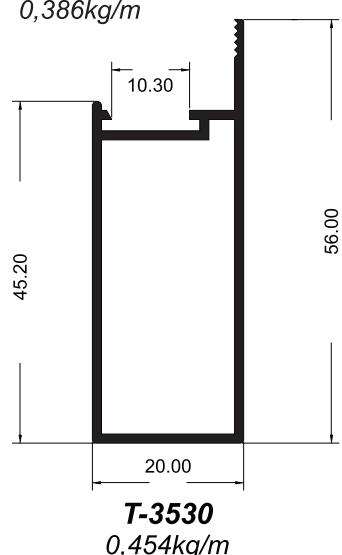
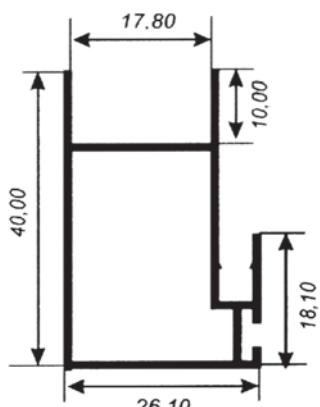
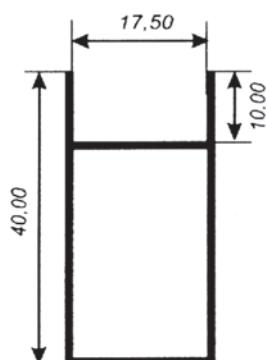
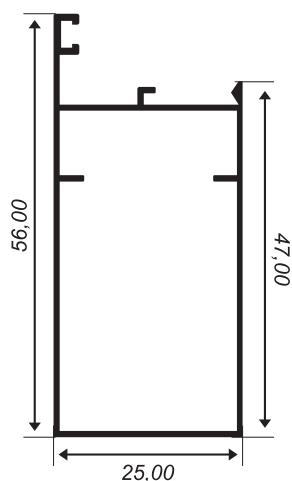
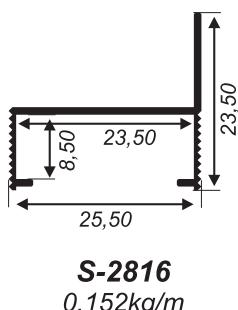
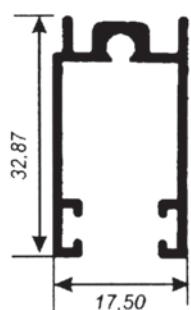
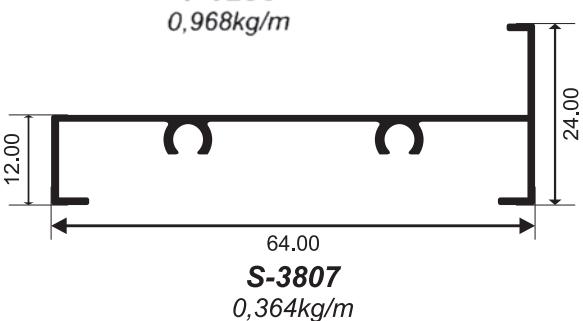
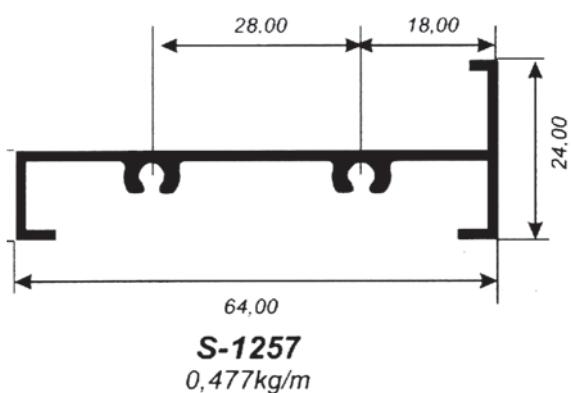
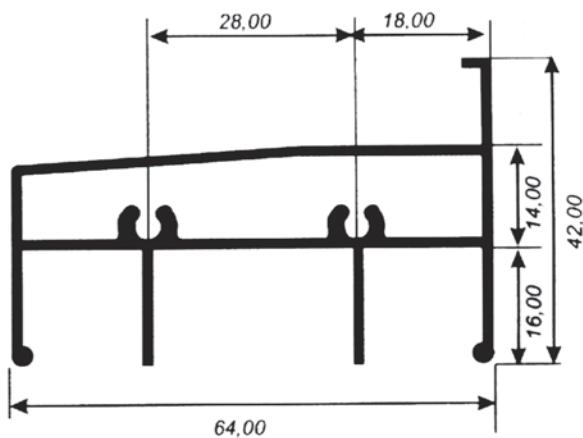
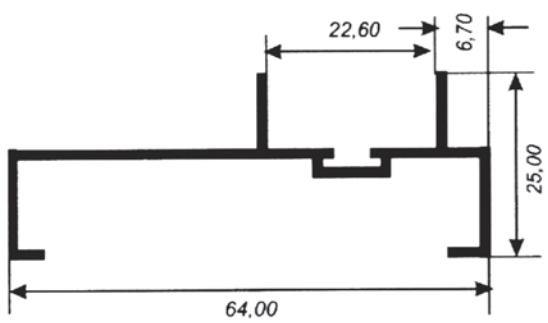


S-2918
0,619kg/m

MÓDULO PRÁTICO



Módulos

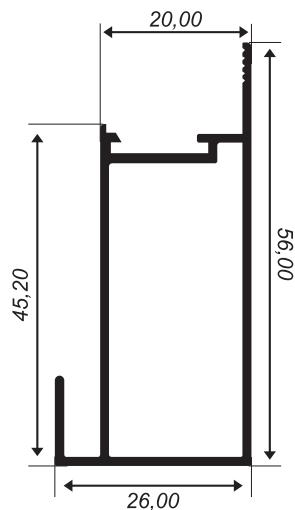


PERFIL METAL

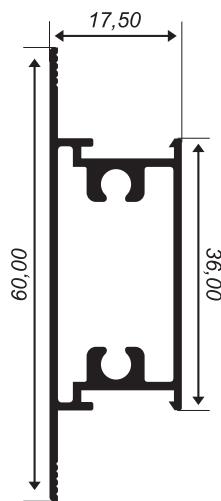


MÓDULO PRÁTICO

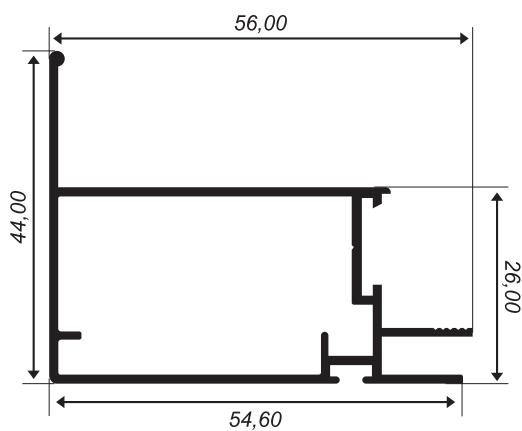
Modulos



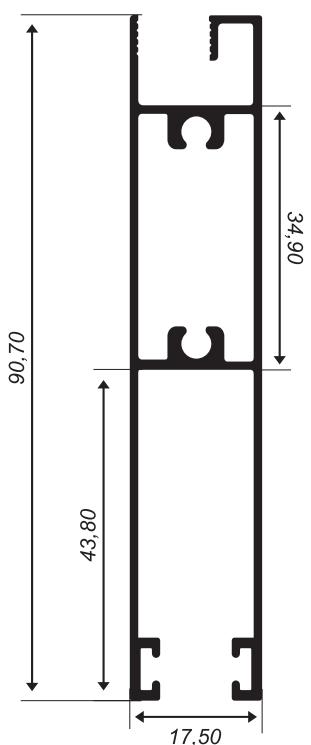
T-4063
0,515kg/m



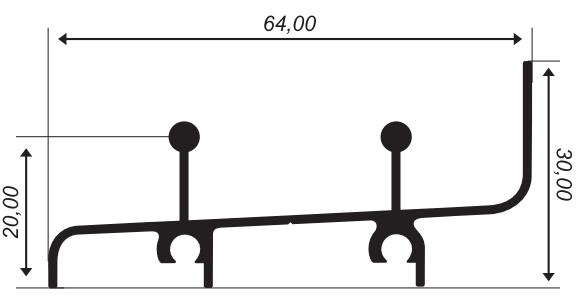
T-4064
0,513kg/m



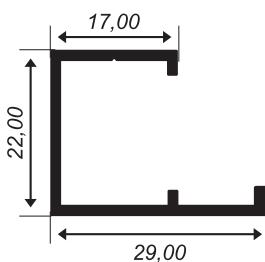
T-4065
0,627kg/m



T-4066
0,834kg/m



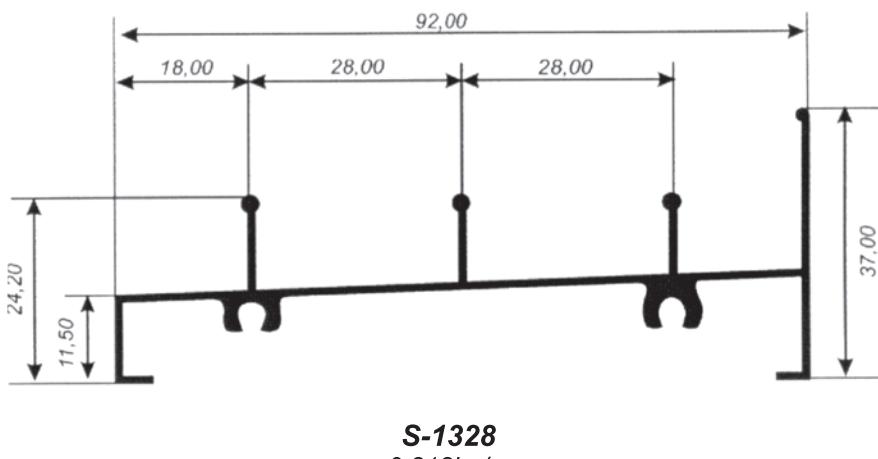
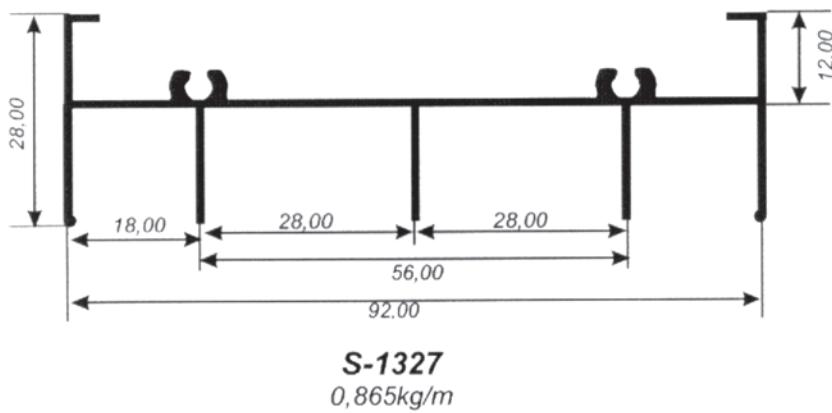
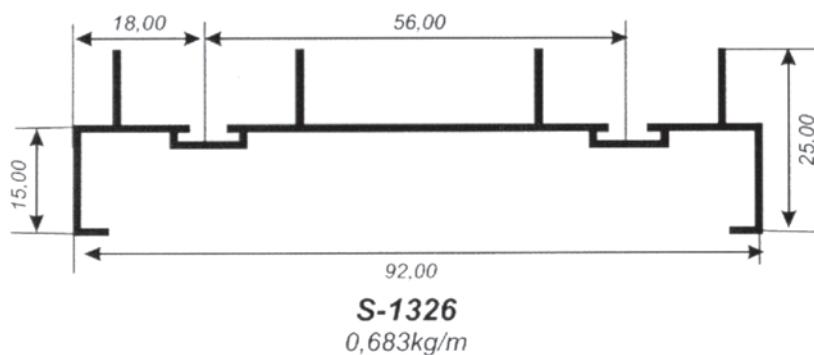
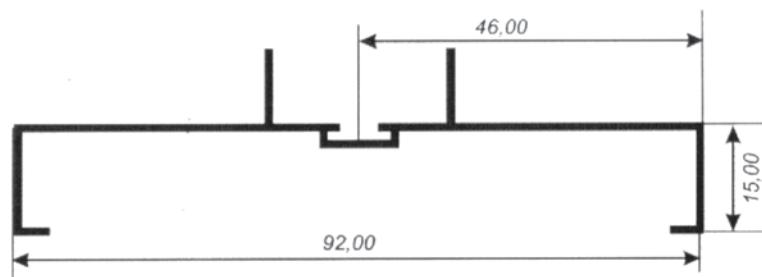
S-4067
0,556kg/m

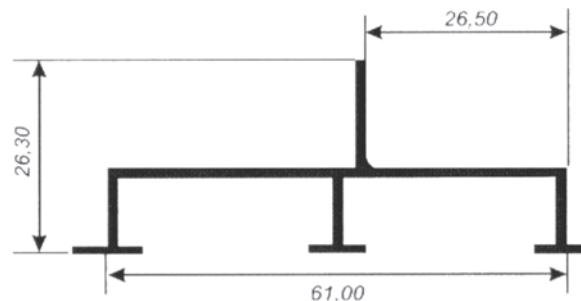


S-4068
0,292kg/m

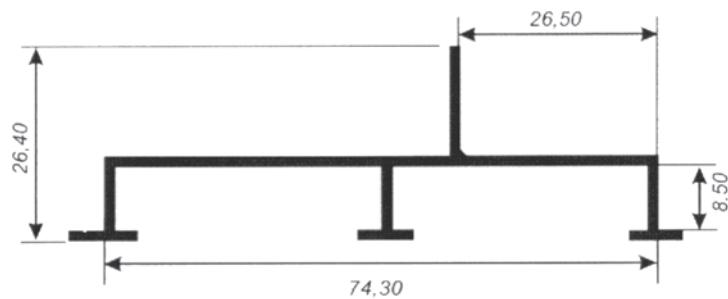


PERFIL METAL

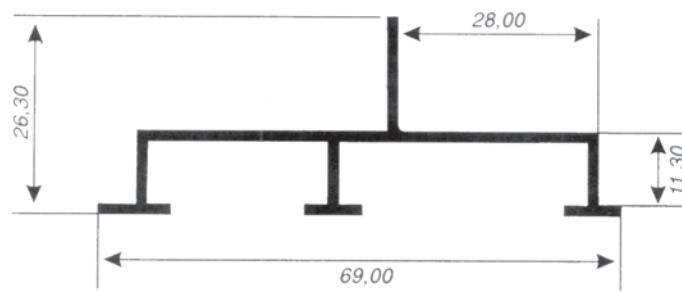




S-0064
0,447kg/m

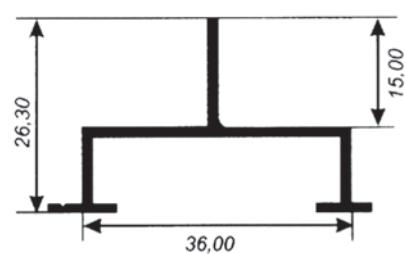


S-0065
0,501kg/m

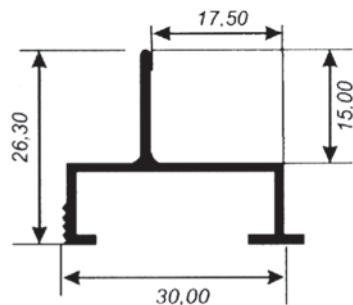


S-1767
0,420Kg/m

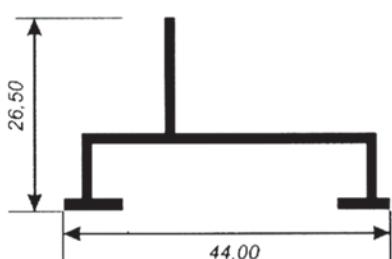
CONTRA MARCOS



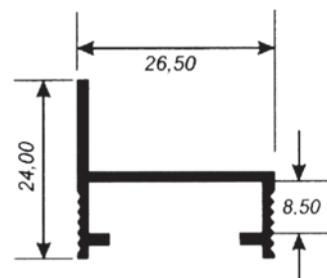
S-0066
0,304kg/m



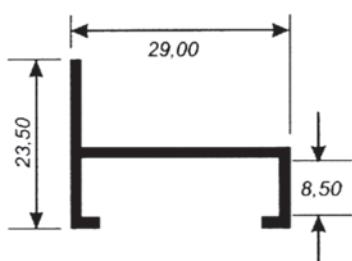
S-0093
0,290kg/m



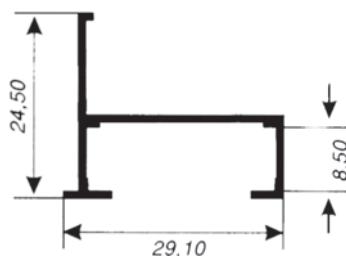
S-0126
0,345kg/m



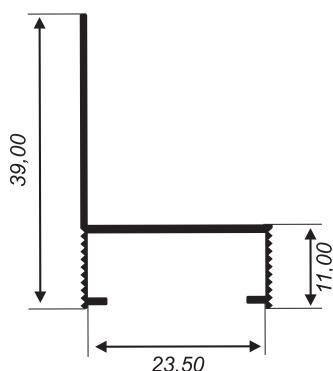
S-0145
0,182kg/m



S-0266
0,265kg/m



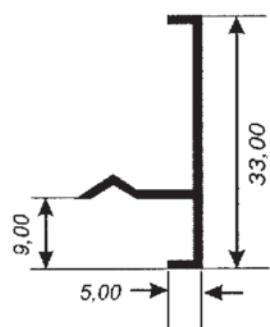
S-1750
0,197kg/m



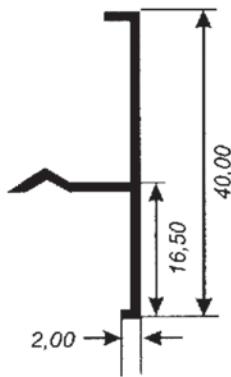
S-3028
0,197kg/m



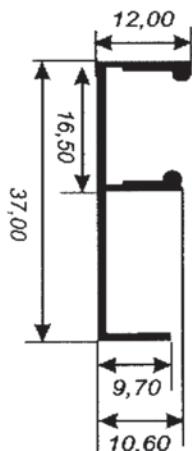
ARREMATES



S-0080
0,156kg/m

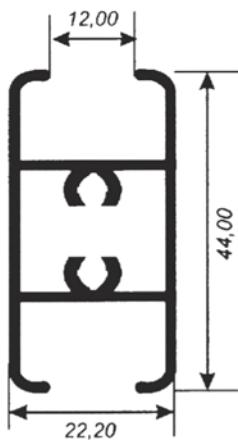


S-0114
0,168kg/m

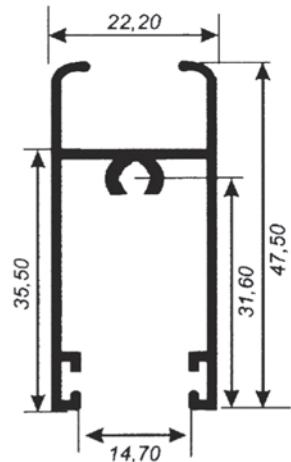


S-0305
0,185kg/m

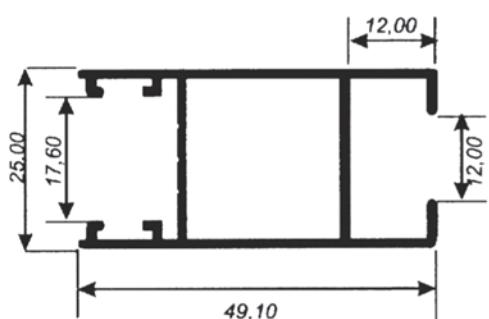
FOLHAS DE CORRER



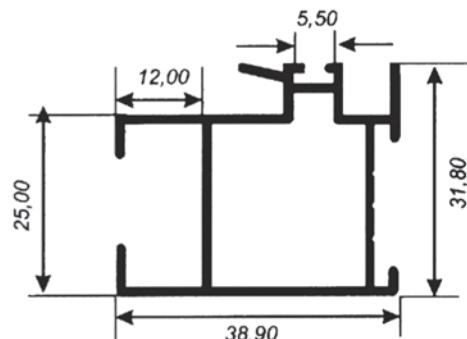
T-1058
0,547kg/m



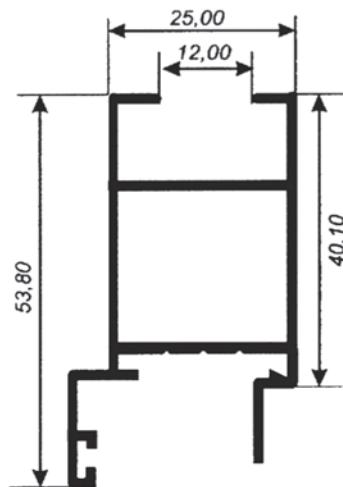
S-1059
0,507kg/m



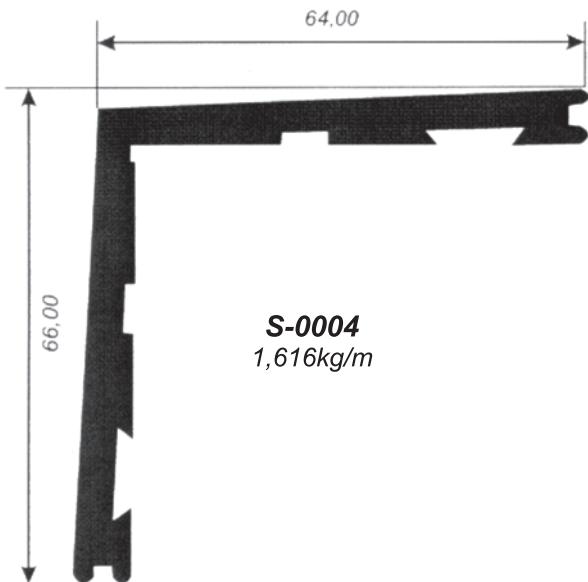
T-1060
0,545kg/m



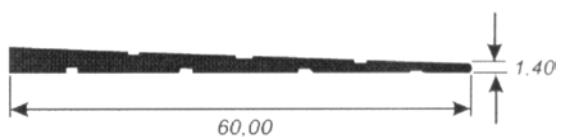
T-1061
0,539kg/m



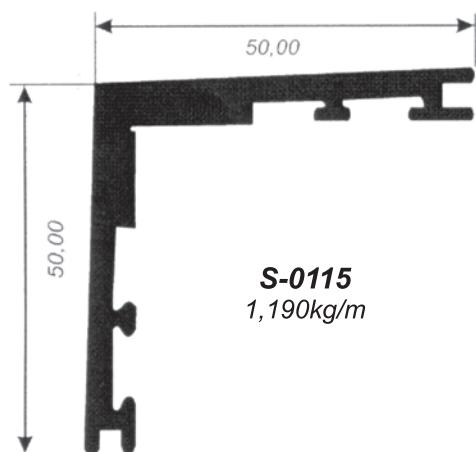
T-1062
0,585kg/m



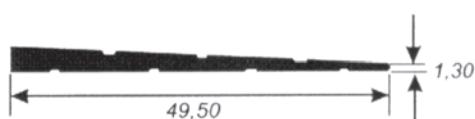
S-0004
1,616kg/m



S-0003
0,385kg/m

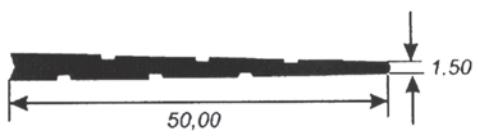
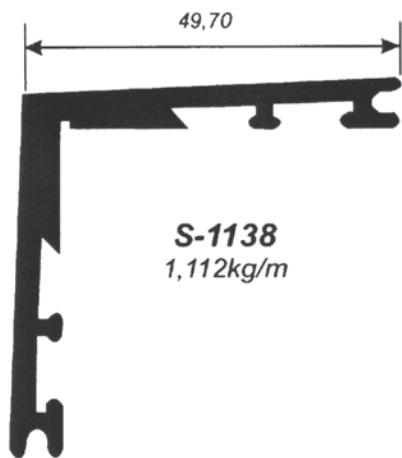
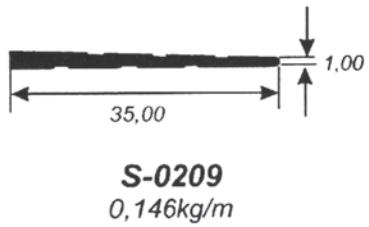
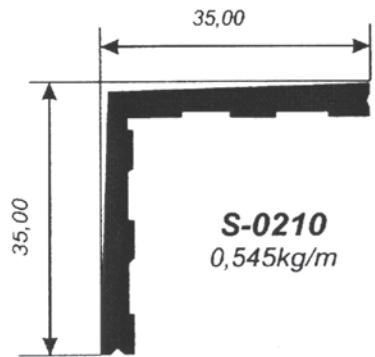


S-0115
1,190kg/m



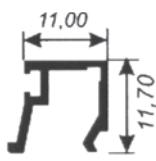
S-0116
0,290kg/m

CONEXÕES

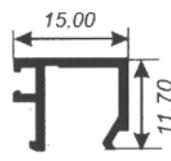




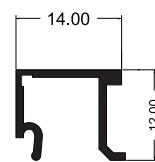
BAGUETES



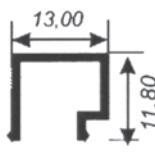
S-0155
0,100kg/m



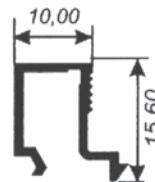
S-0340
0,115kg/m



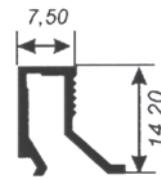
S-0387
0,113kg/m



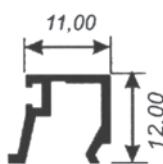
S-0753
0,100kg/m



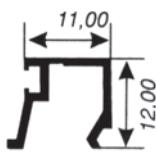
S-0849
0,122kg/m



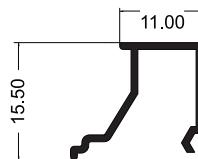
S-0850
0,108kg/m



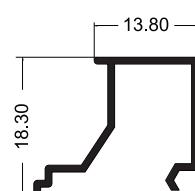
S-1259
0,108kg/m



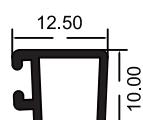
S-1736
0,103kg/m



S-1878
0,110kg/g

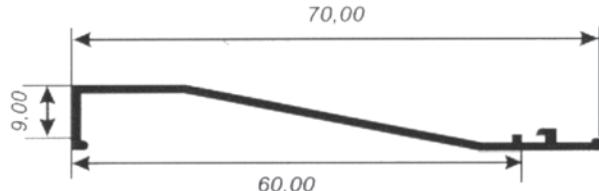


S-2058
0,140kg/m

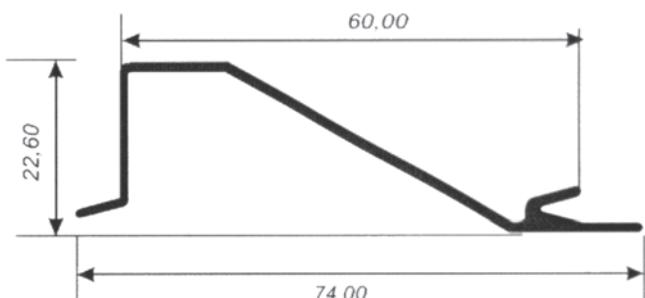


S-3387
0,098kg/m

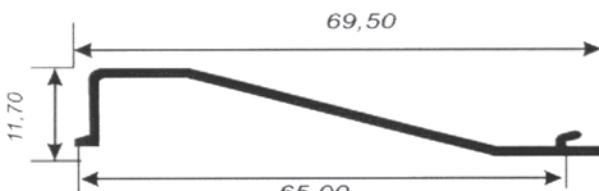
PALHETAS



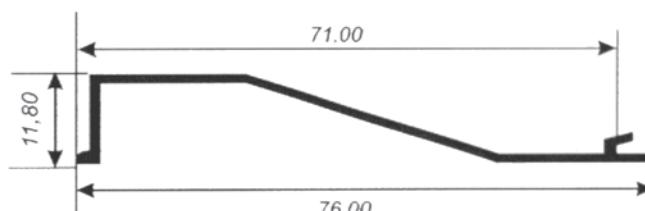
S-0125
0,255kg/m



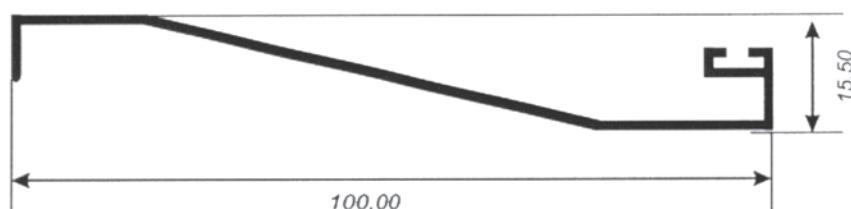
S-0156
0,326kg/m



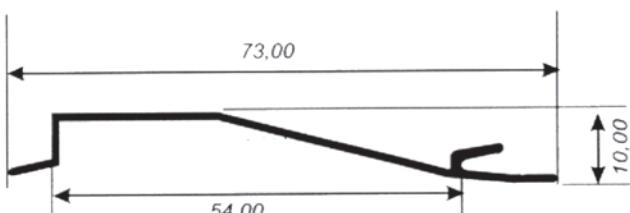
S-0165
0,252kg/m



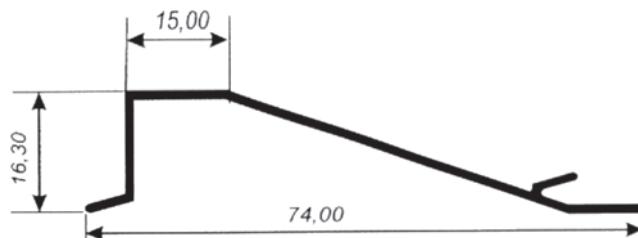
S-0402
0,238kg/m



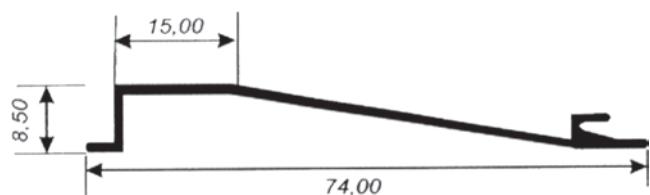
S-0508
0,470kg/m



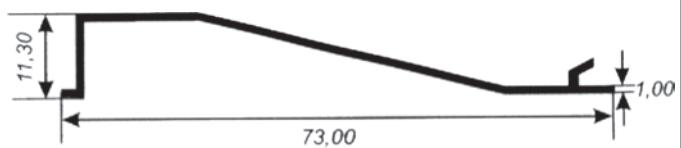
S-0577
0,240kg/m



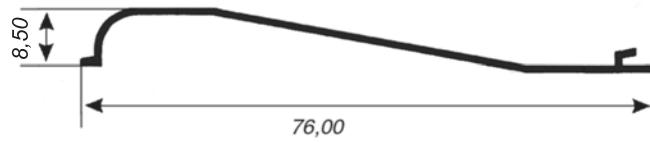
S-0986
0,293kg/m



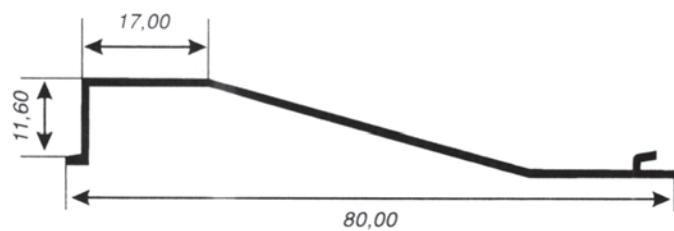
S-0987
0,271kg/m



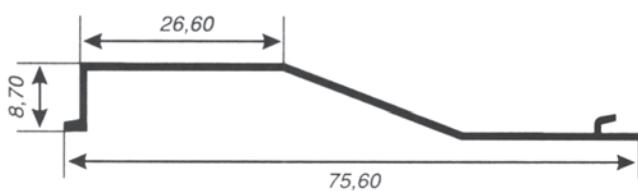
S-1090
0,241kg/m



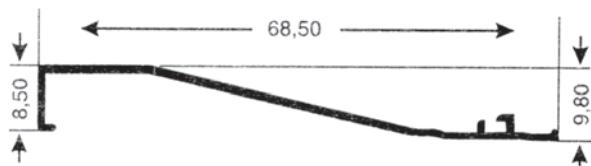
S-1417
0,212kg/m



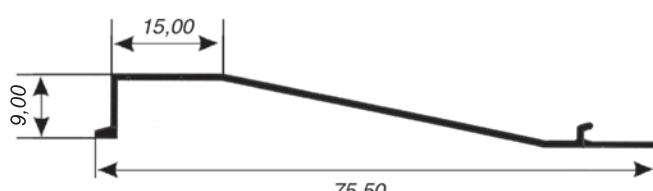
S-1580
0,260kg/m



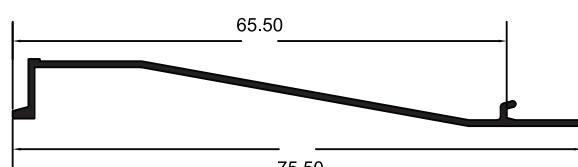
S-1636
0,216kg/m



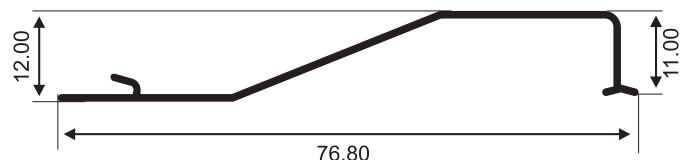
S-1715
0,180kg/m



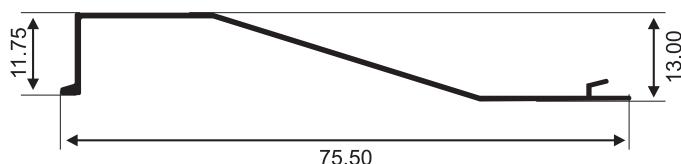
S-2035
0,193kg/m



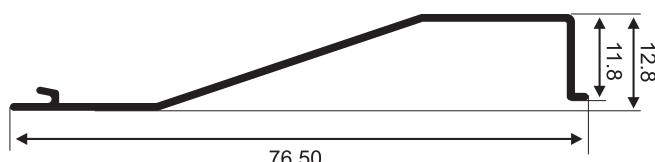
S-3552
0,189kg/m



S-3653
0,253kg/m



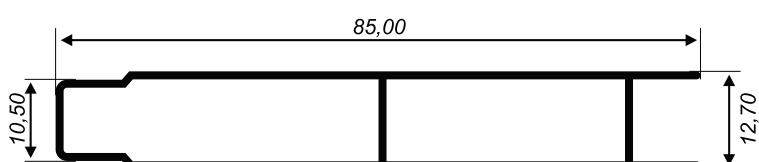
S-3786
0,190kg/m



S-3654
0,251kg/m



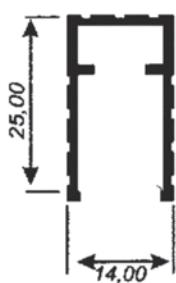
T-3797
0,663kg/m



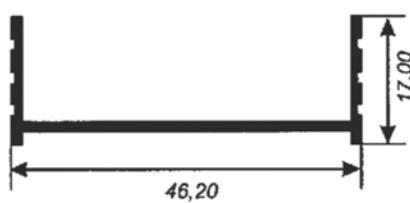
T-4262
0,435kg/m



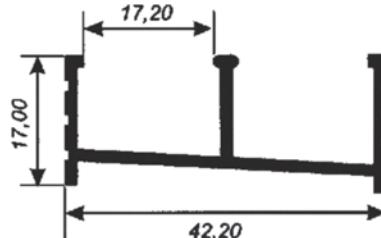
BOX FRISADO



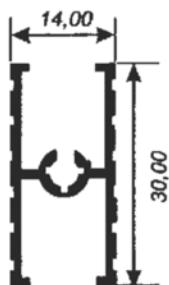
S-0026
0,233kg/m



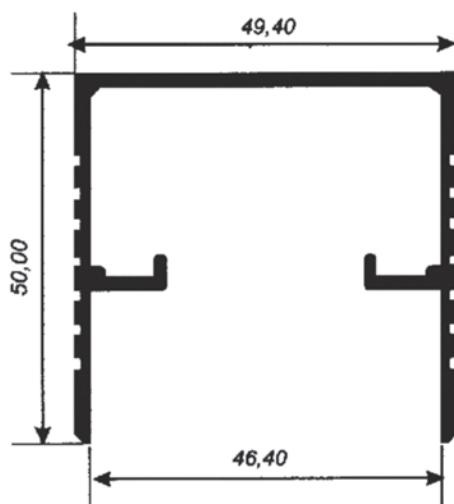
S-0027
0,250kg/m



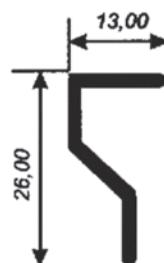
S-0028
0,357kg/m



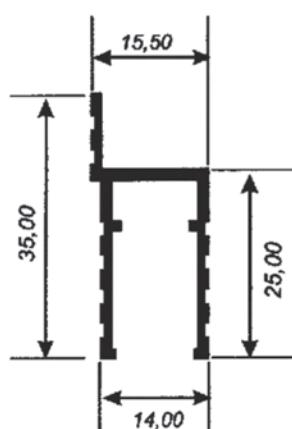
S-0029
0,309kg/m



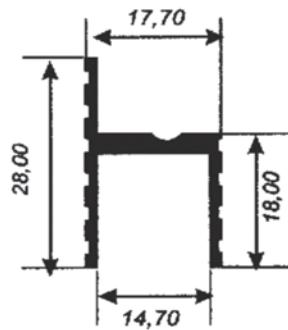
S-0030
0,750kg/m



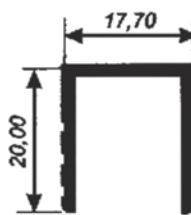
S-0034
0,210kg/m



S-0223
0,297kg/m



S-0224
0,262kg/m



S-0225
0,203kg/m

Box

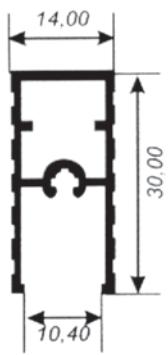


PERFIL METAL

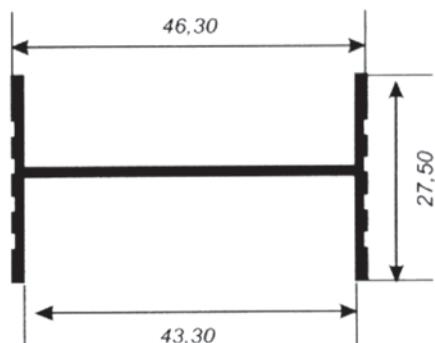
BOX FRISADO



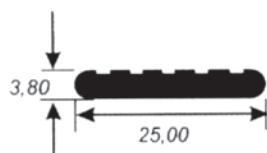
S-0257
0,451kg/m



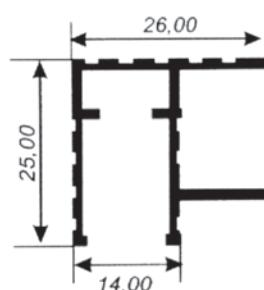
T-0427
0,310kg/m



S-0845
0,390kg/m



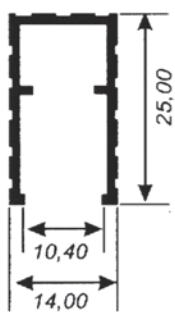
S-1001
0,226kg/m



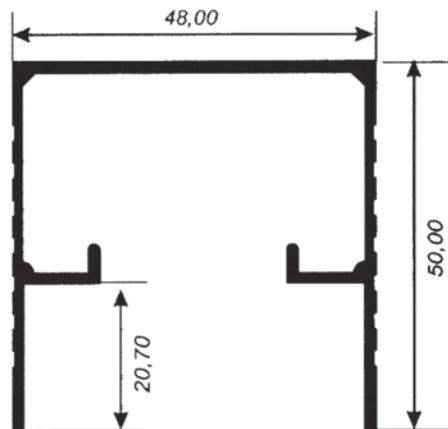
S-1036
0,281kg/m



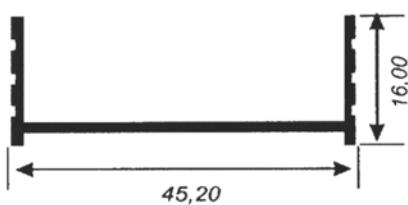
BOX FRISADO LEVE



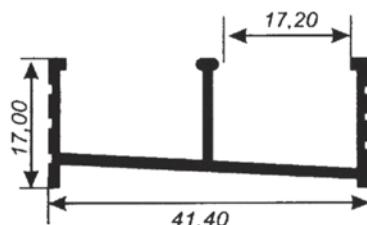
S-0363
0,210kg/m



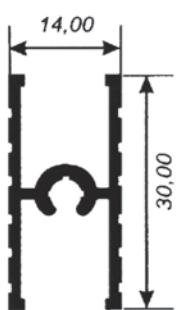
S-0364
0,600kg/m



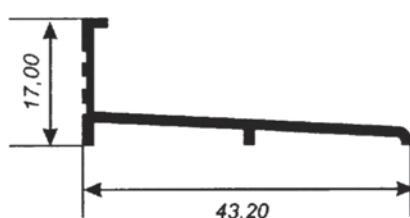
S-0379
0,255kg/m



S-0380
0,309kg/m



S-0381
0,293kg/m



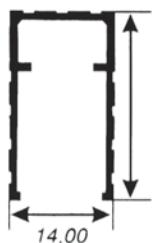
S-0788
0,213kg/m

Box

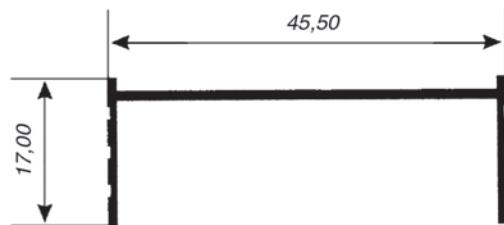


PERFIL METAL

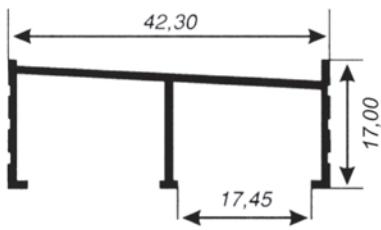
BOX FRISADO LEVE ESPECIAL



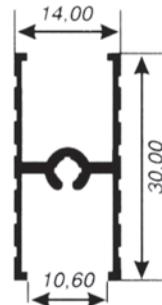
S-1142
0,140kg/m



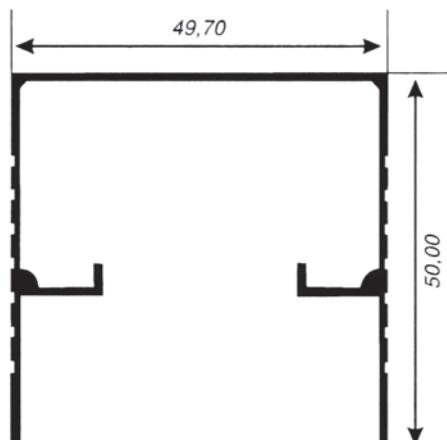
S-1143
0,160kg/m



S-1144
0,190kg/m



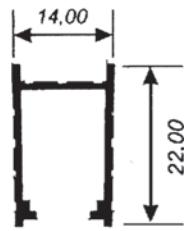
S-1145
0,190kg/m



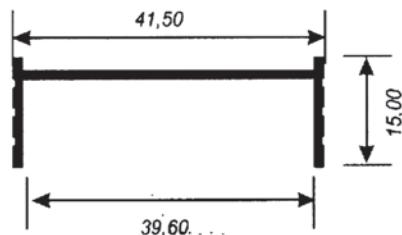
S-1146
0,460kg/m



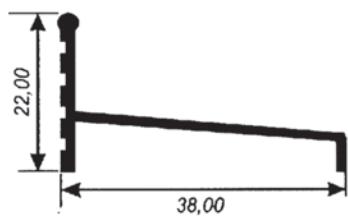
BOX FRISADO ESPECIAL



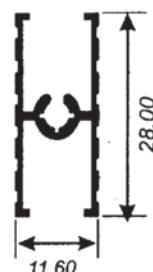
S-1155
0,153kg/m



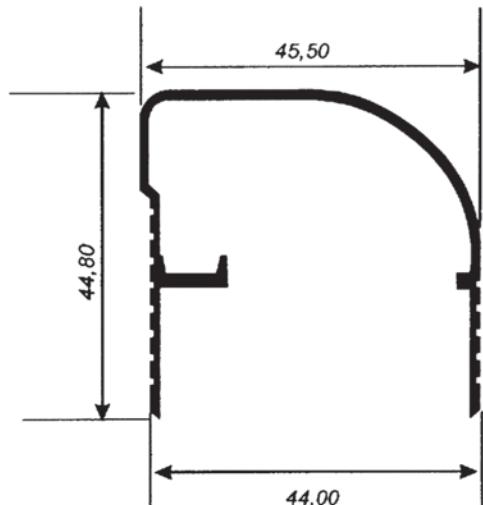
S-1156
0,171kg/m



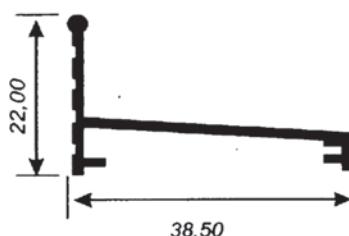
S-1157
0,192kg/m



S-1158
0,203kg/m



S-1159
0,456kg/m



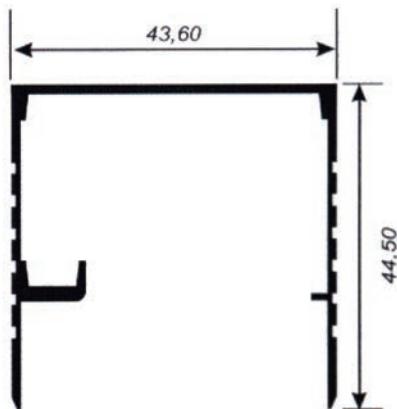
S-1244
0,242kg/m

Box



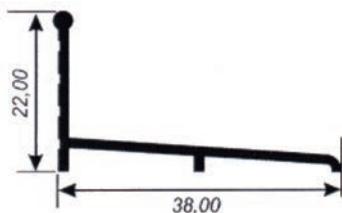
PERFIL METAL

BOX FRISADO ESPECIAL



S-1245
0,420kg/m

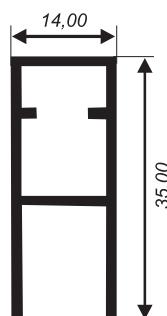
Box



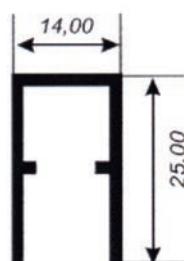
S-1460
0,199kg/m



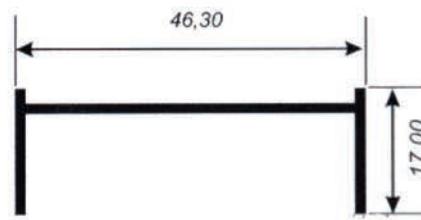
PERFIL METAL



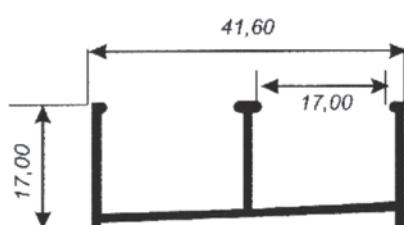
T - 0149
0,390kg/m



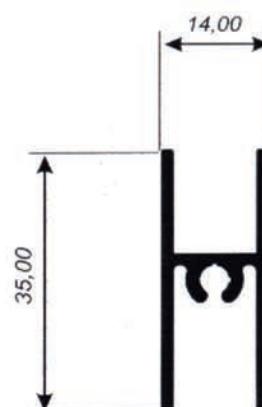
S-0247
0,297kg/m



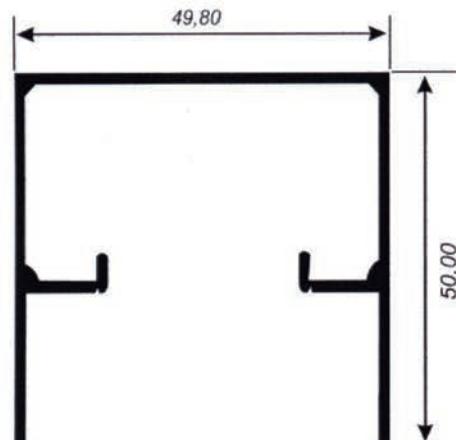
S-0248
0,335kg/m



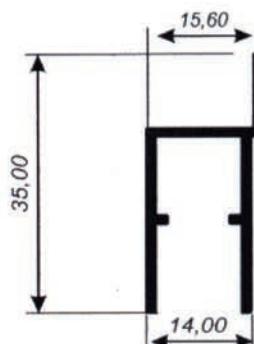
S-0249
0,359kg/m



S-0250
0,423kg/m

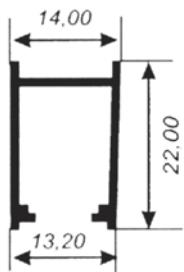


S-0251
0,760kg/m

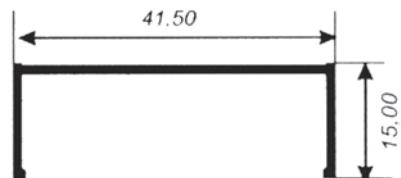


S-0256
0,329kg/m

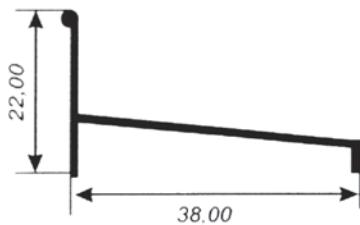
BOX LISO ESPECIAL



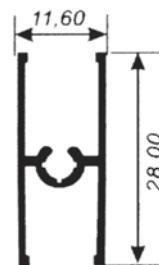
S-1124
0,162kg/m



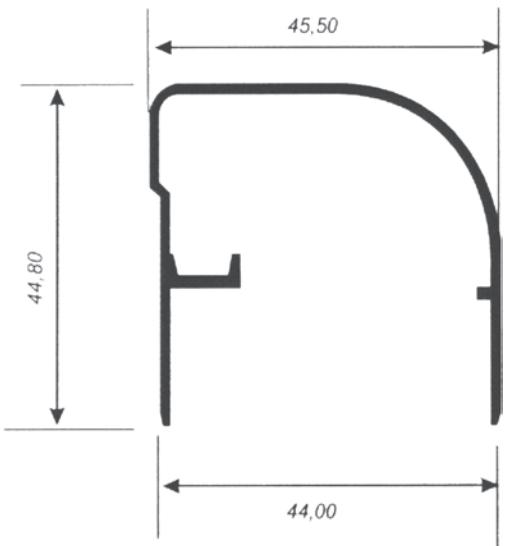
S-1125
0,180kg/m



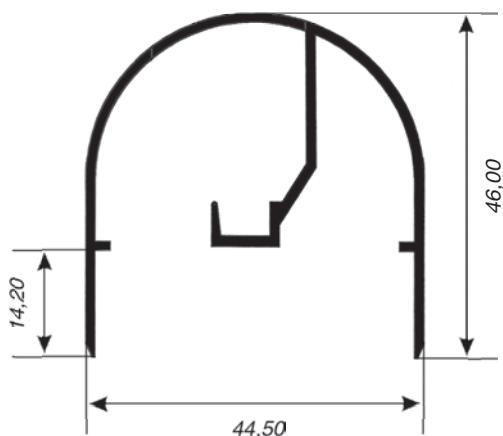
S-1126
0,196kg/m



S-1127
0,213kg/m



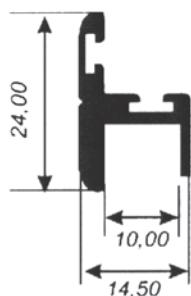
S-1128
0,464kg/m



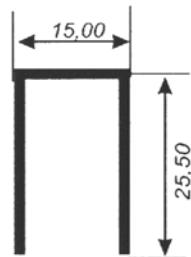
S-1862
0,568kg/m



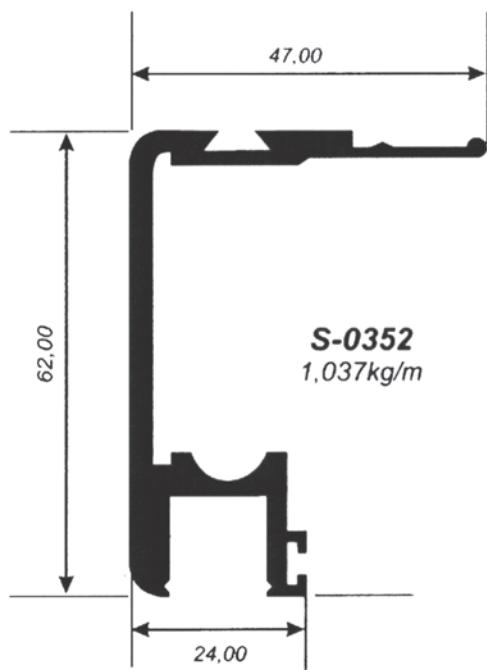
BOX VIDRO TEMPERADO



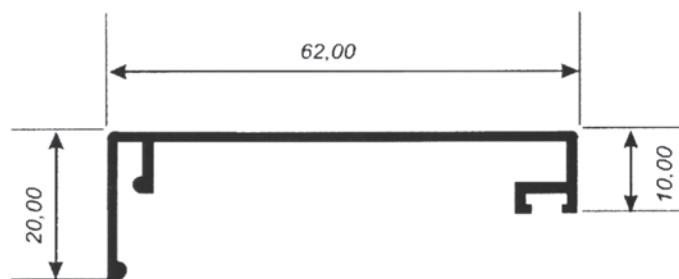
S-0258
0,282kg/m



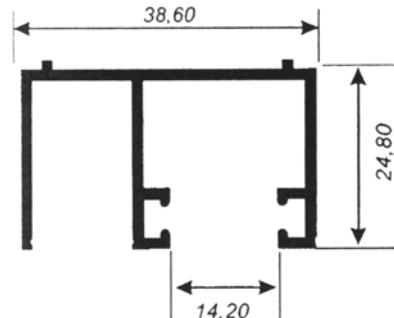
S-0261
0,254kg/m



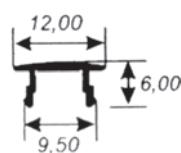
S-0352
1,037kg/m



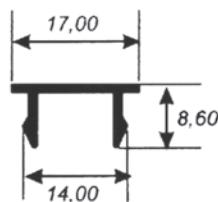
S-0353
0,426kg/m



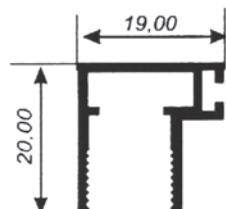
S-0354
0,435kg/m



S-1197
0,048kg/m



S-1198
0,099kg/m



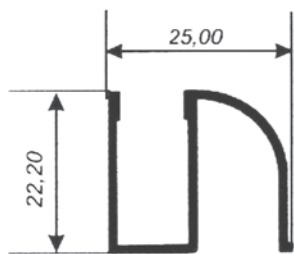
S-1199
0,255kg/m

Box

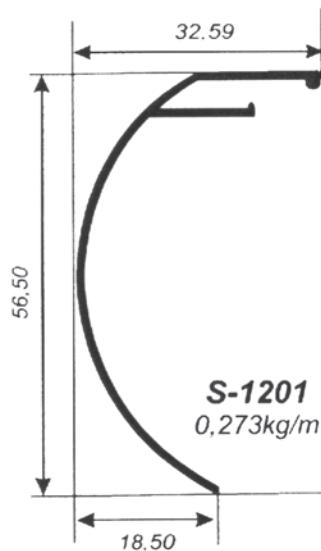


PERFIL METAL

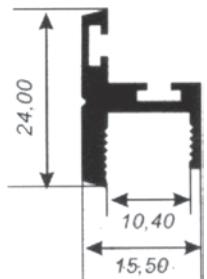
BOX VIDRO TEMPERADO



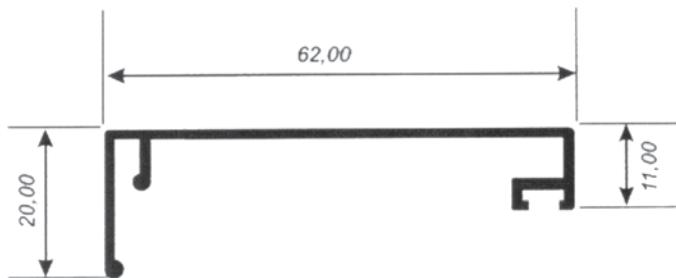
S-1200
0,256kg/m



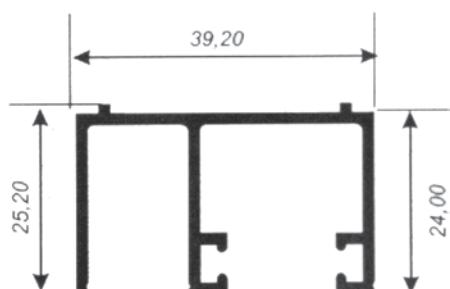
S-1201
0,273kg/m



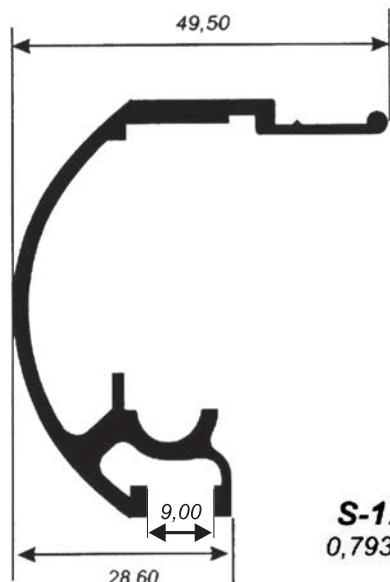
S-1202
0,309kg/m



S-1203
0,360kg/m



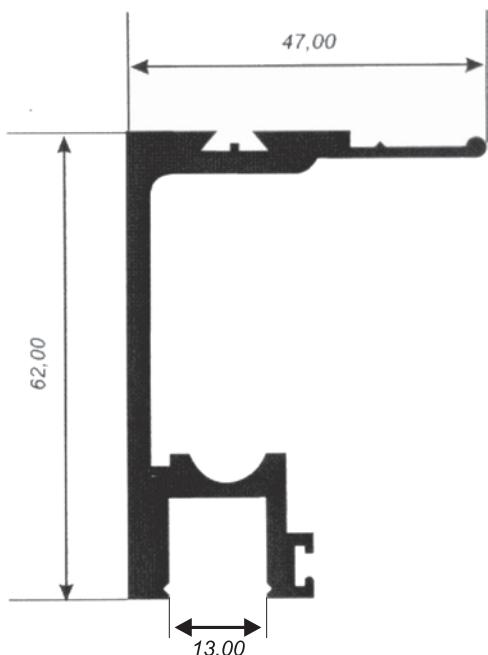
S-1204
0,518kg/m



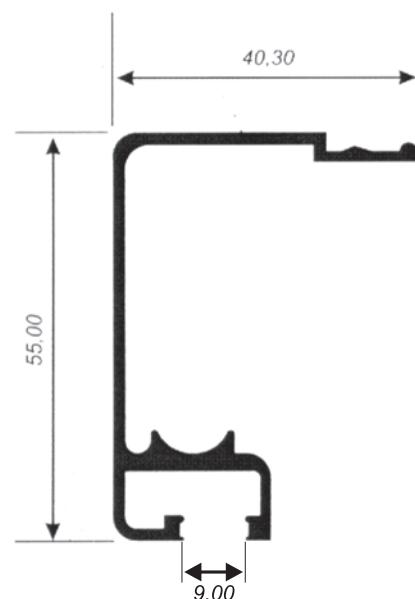
S-1205
0,793kg/m



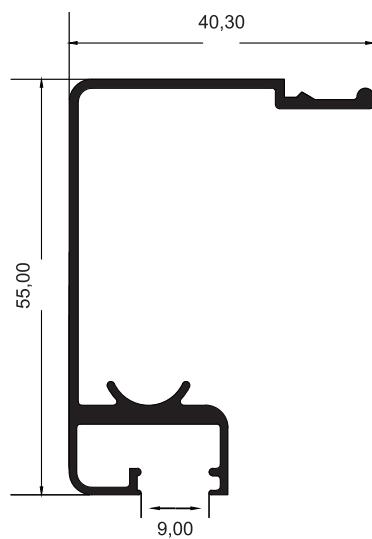
BOX VIDRO TEMPERADO



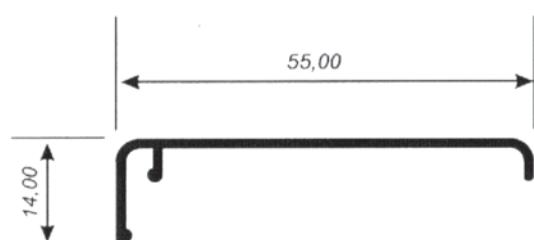
S-1206
1,225kg/m



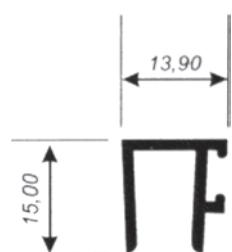
S-1549
0,706kg/m



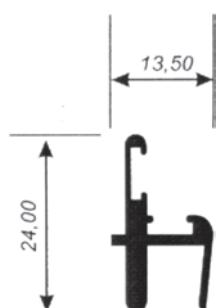
S-3619
0,530kg/m



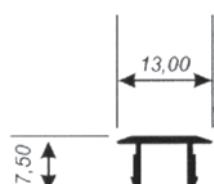
S-1550
0,246kg/m



S-1551
0,156kg/m



S-1552
0,260kg/m



S-1553
0,075kg/m

Box

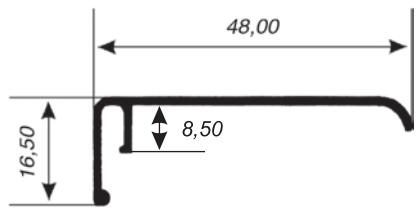


PERFIL METAL

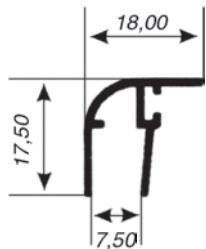
BOX VIDRO TEMPERADO



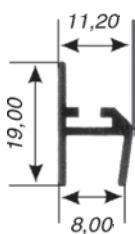
S-1554
0,387kg/m



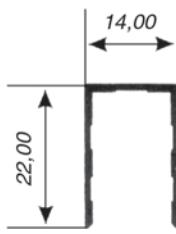
S-1867
0,210kg/m



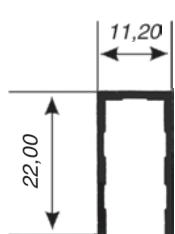
S-1868
0,130kg/m



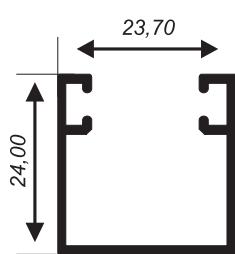
S-1869
0,105kg/m



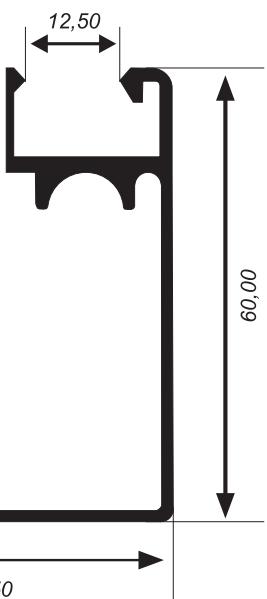
S-1870
0,130kg/m



S-1871
0,128kg/m



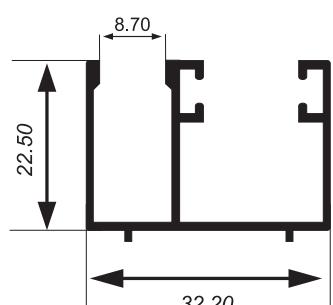
S-2421
0,295kg/m



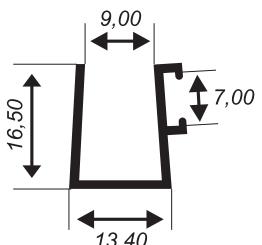
S-2423
0,729kg/m



S-2424
0,271kg/m



S-2431
0,350kg/m

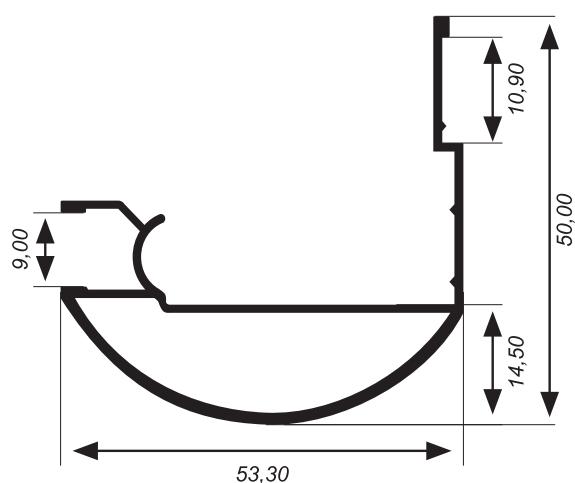


S-2434
0,169kg/m

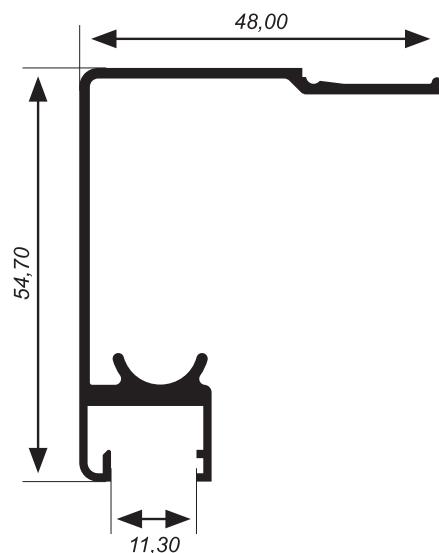
Box



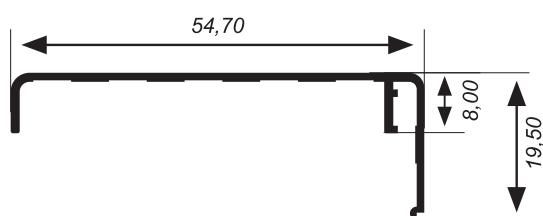
BOX VIDRO TEMPERADO



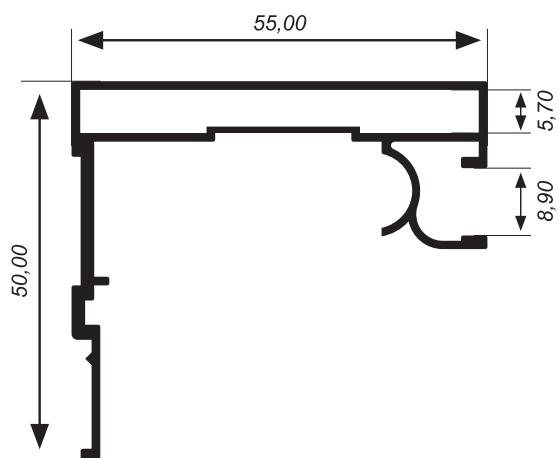
T-2894
0,607kg/m



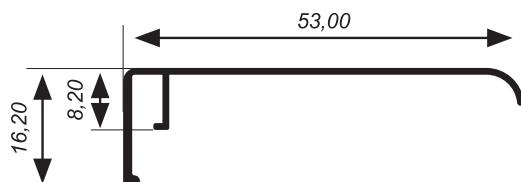
S-2913
0,600kg/m



S-2912
0,260kg/m



T-2944
0,691kg/m



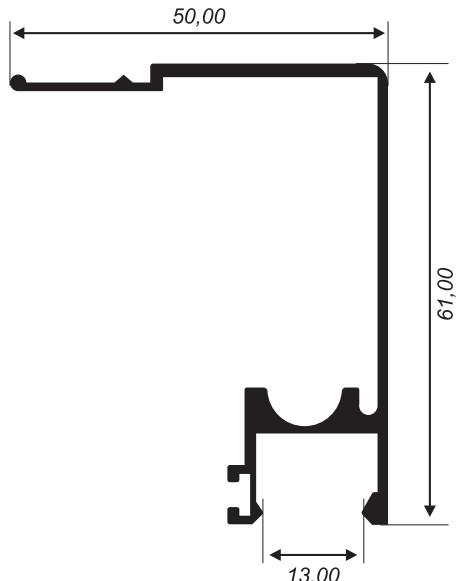
S-2945
0,206kg/m

Box

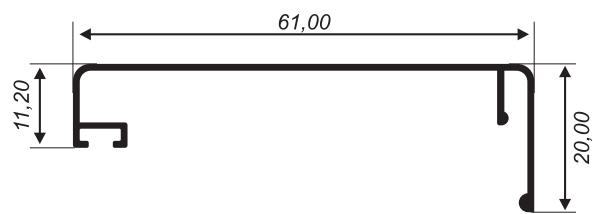


PERFIL METAL

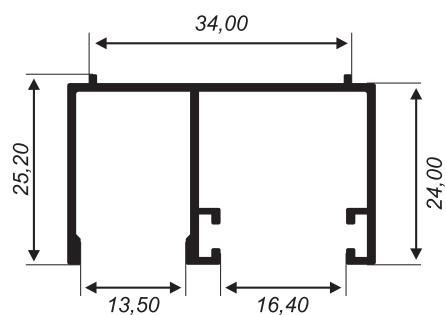
BOX VIDRO TEMPERADO



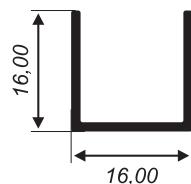
S-3086
0,695kg/m



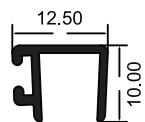
S-3087
0,268kg/m



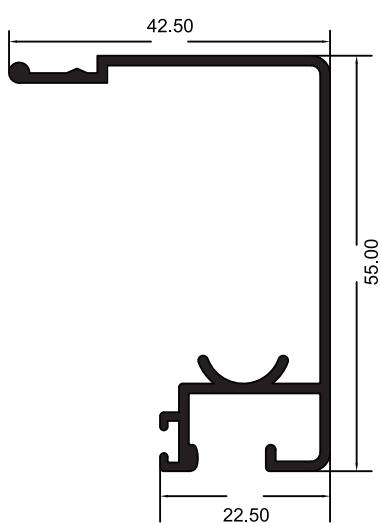
S-3088
0,388kg/m



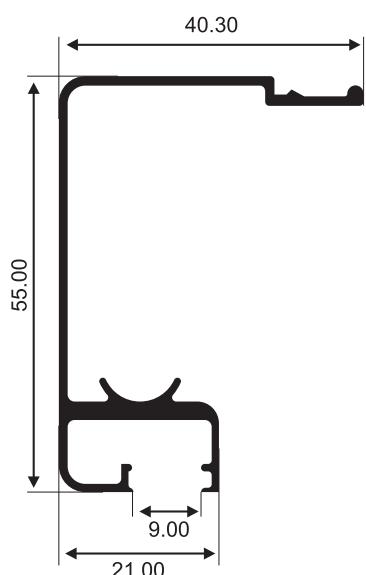
S-3108
0,148kg/m



S-3387
0,098kg/m



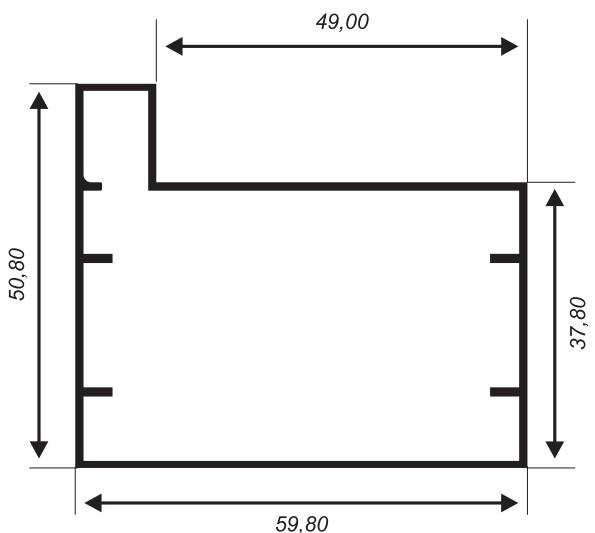
S-3388
0,548kg/m



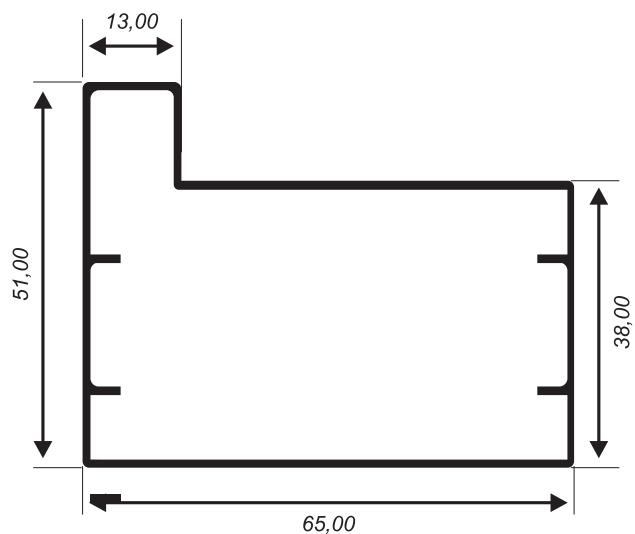
S-3619
0,530kg/m



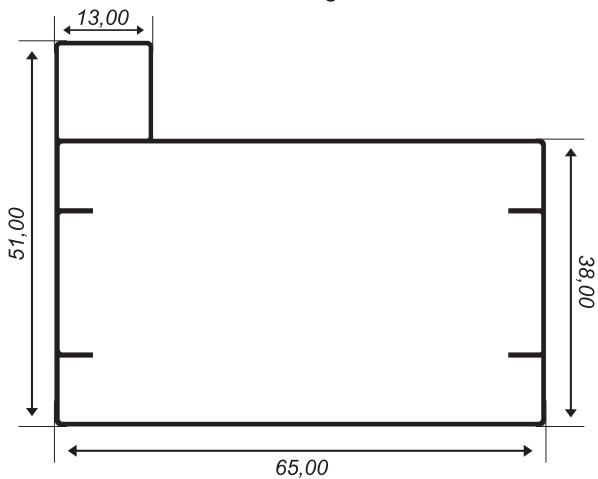
S-3389
0,274kg/m



T-2765
0,615kg/m



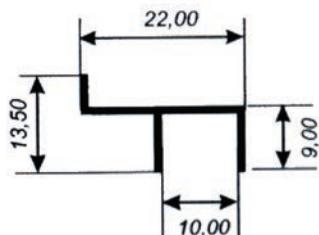
T-2677
0,654kg/m



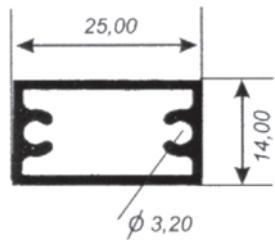
T-4010
0,630kg/m



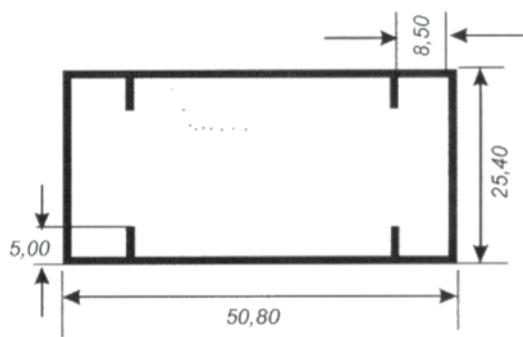
PORTÕES



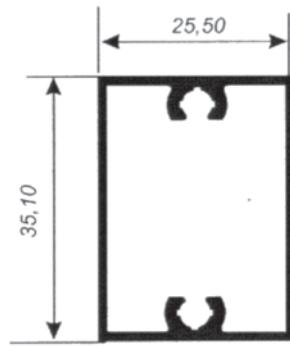
S-0817
0,125kg/m



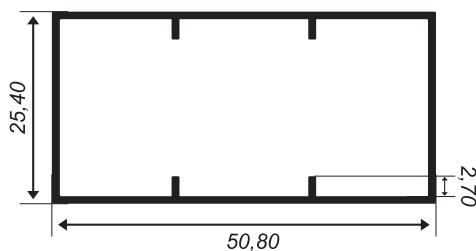
T-0310
0,330kg/m



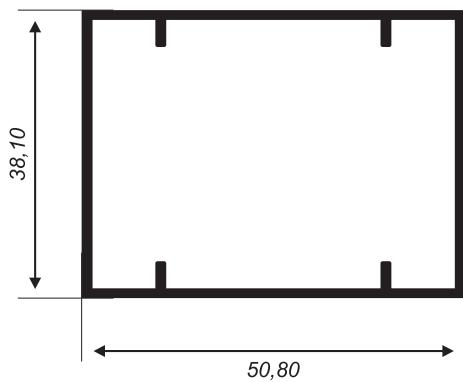
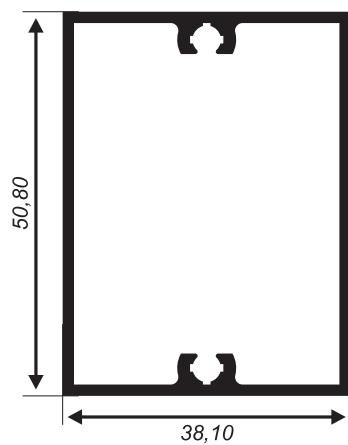
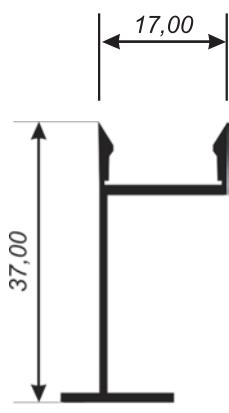
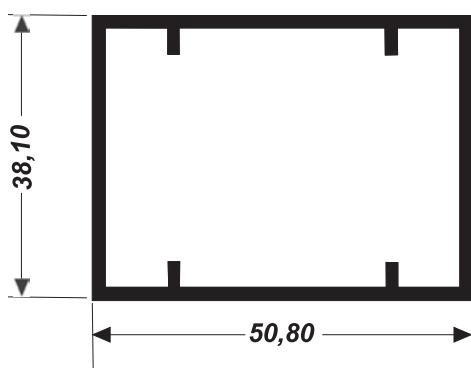
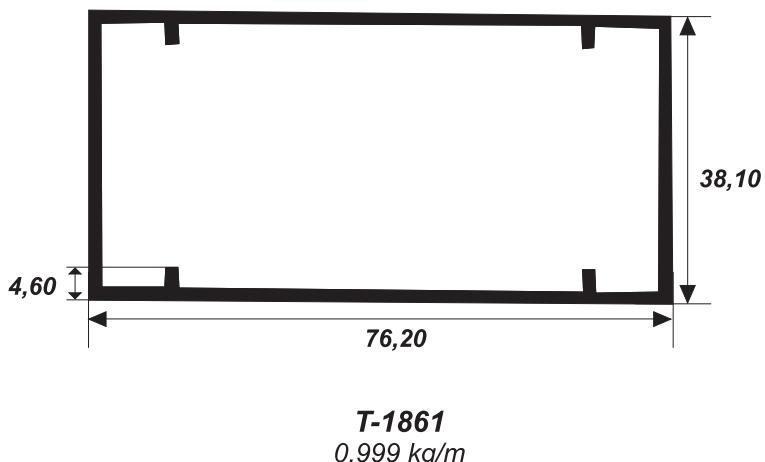
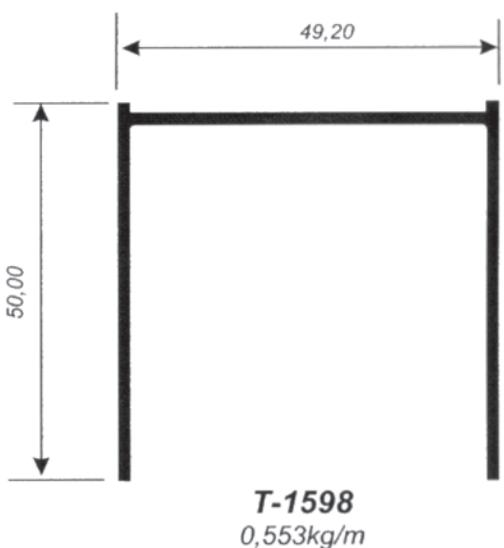
T-0912
0,650kg/m



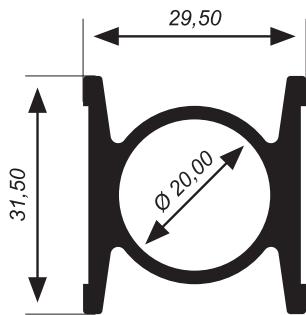
T-1365
0,474kg/m



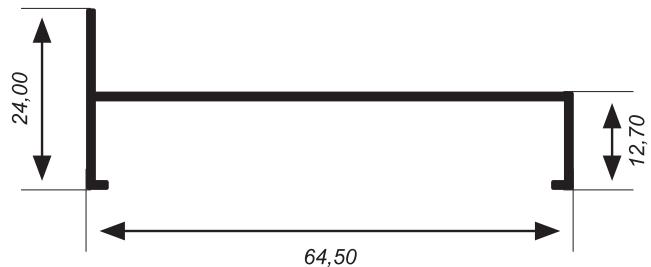
T-4074
0,431kg/m



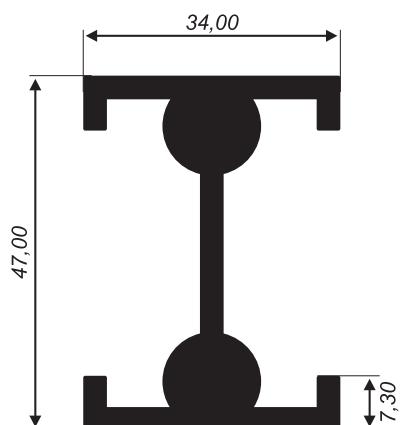
PORTÕES



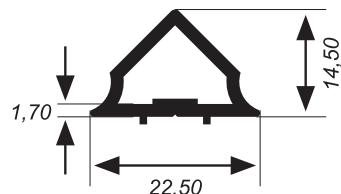
T-2855
0,815kg/m



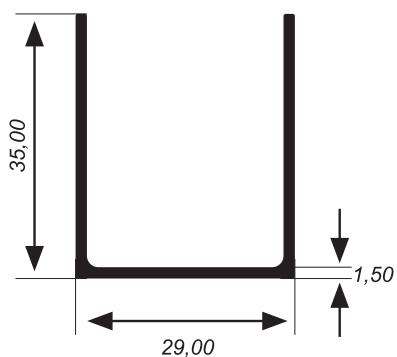
S-2876
0,358kg/m



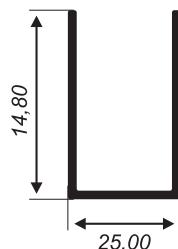
S-4292
1,460kg/m



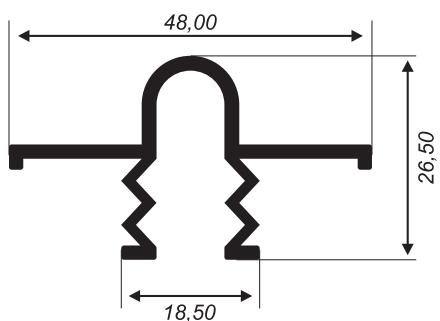
T-2775
0,253kg/m



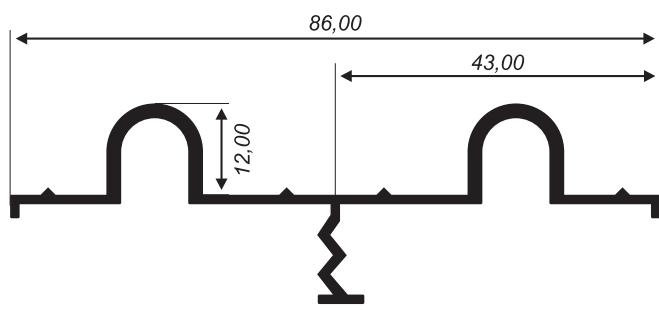
S-2782
0,391kg/m



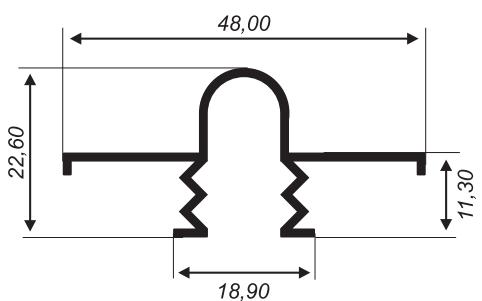
S-3107
0,186kg/m



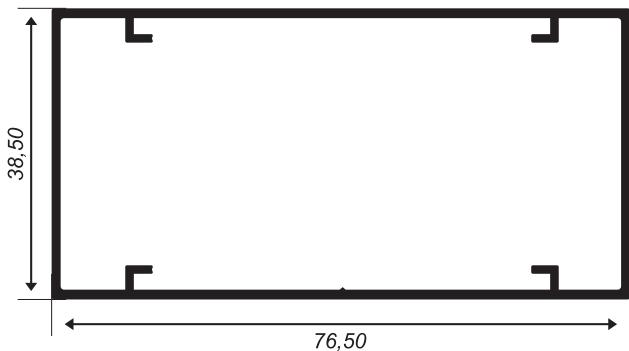
S-1748
0,517kg/m



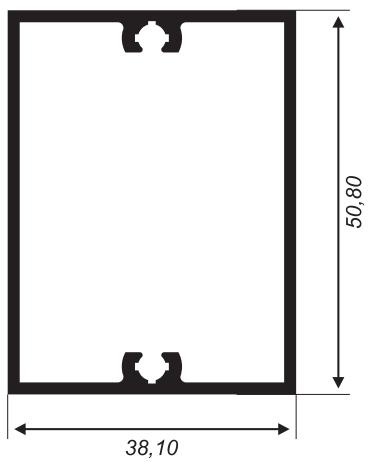
S-1749
0,609kg/m



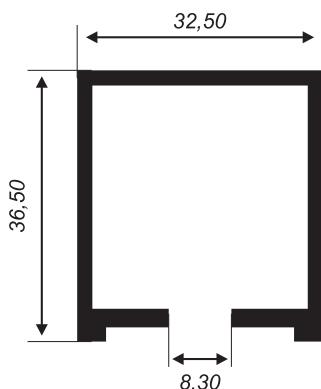
S-3072
0,337kg/m



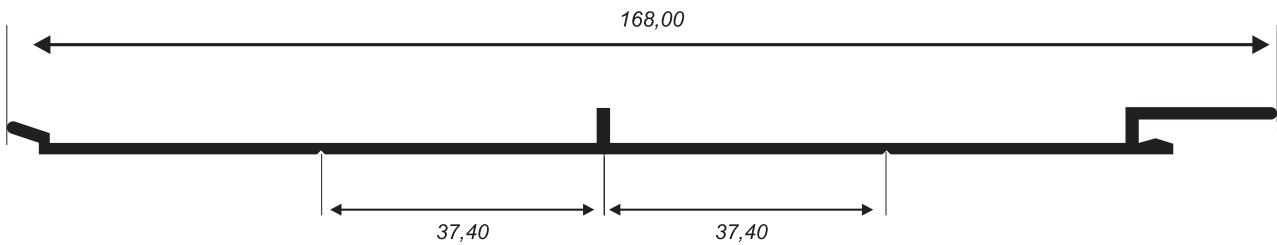
T-4075
0,739kg/m



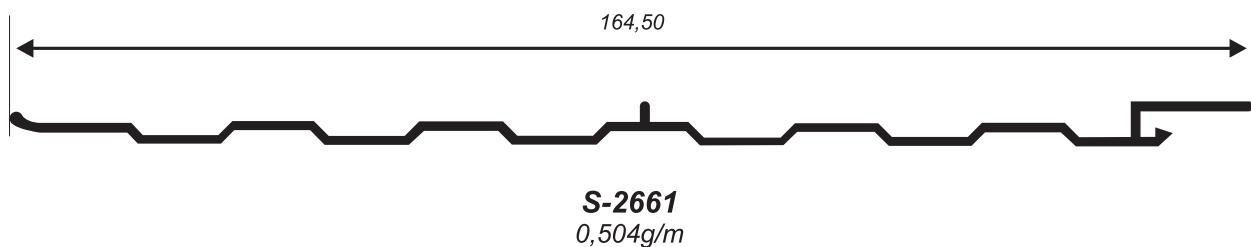
T-2892
0,797kg/m



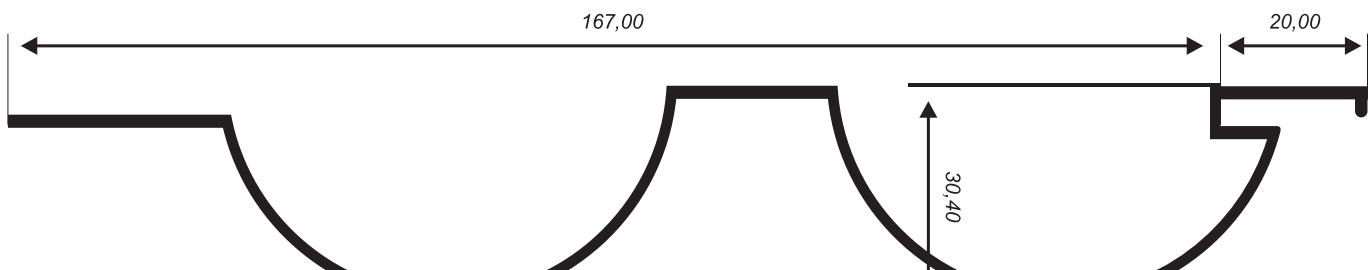
S-2897
0,703kg/m



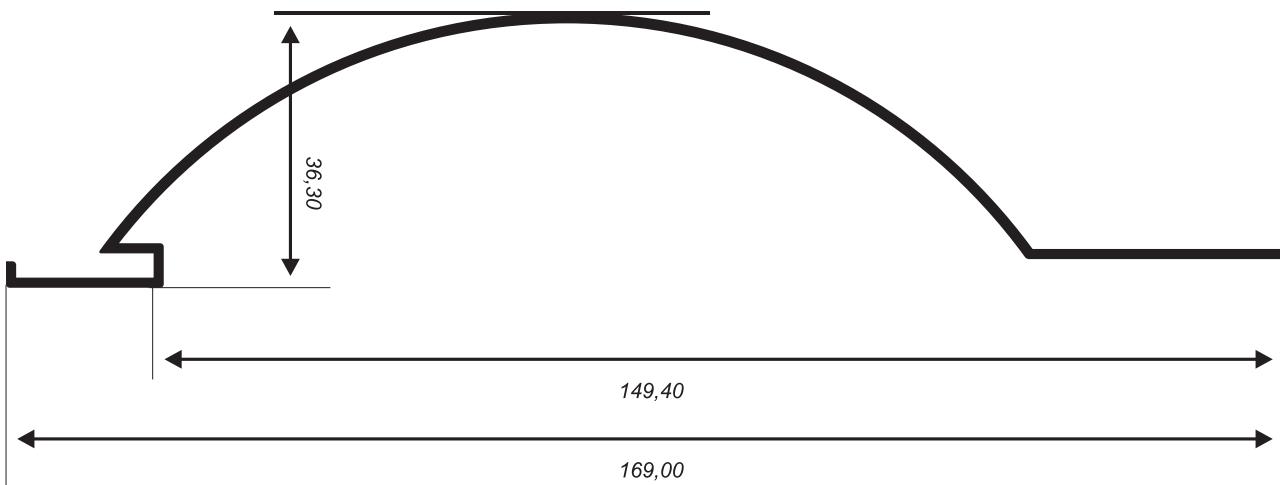
S-2660
0,723kg/m



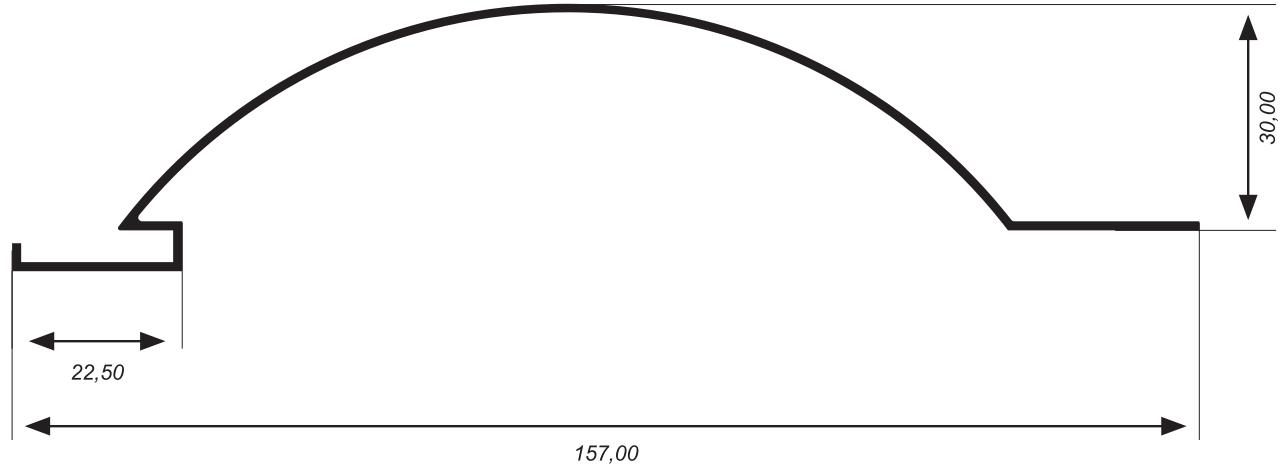
S-2661
0,504g/m



S-2664
1,056kg/m

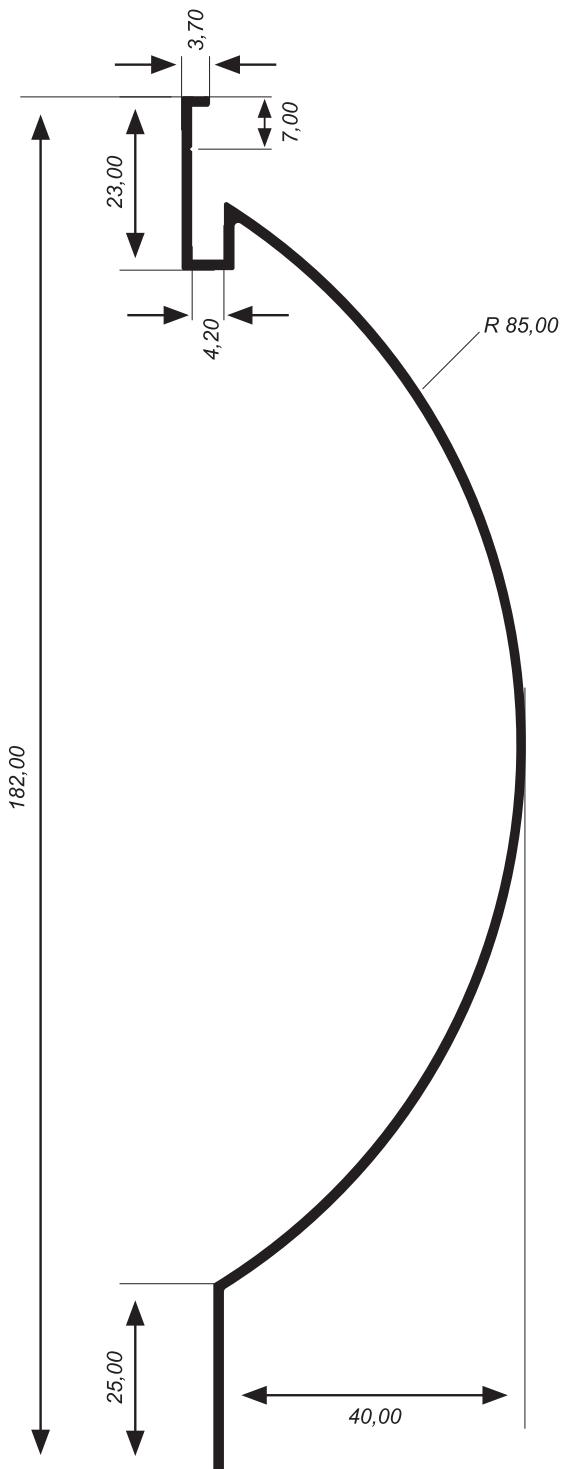


S-2681
0,566kg/m

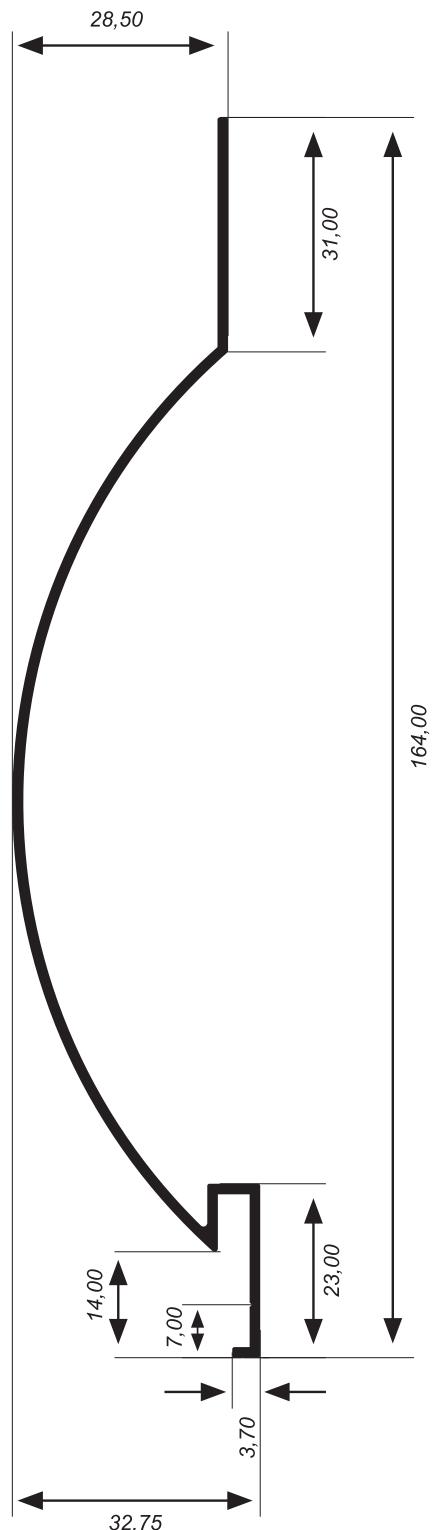


S-2930
0,535kg/m

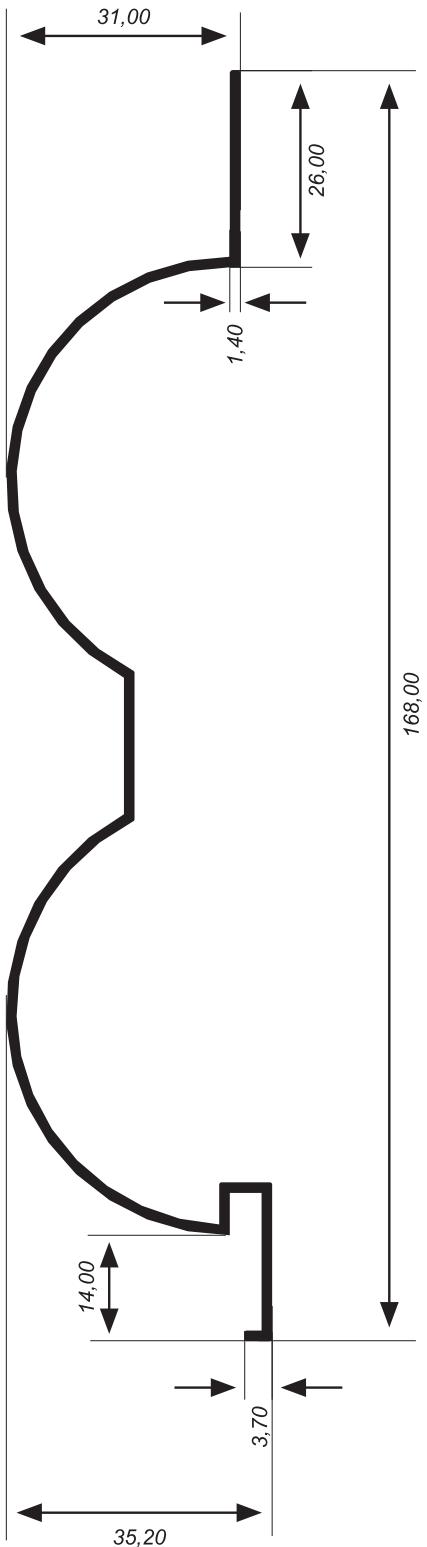




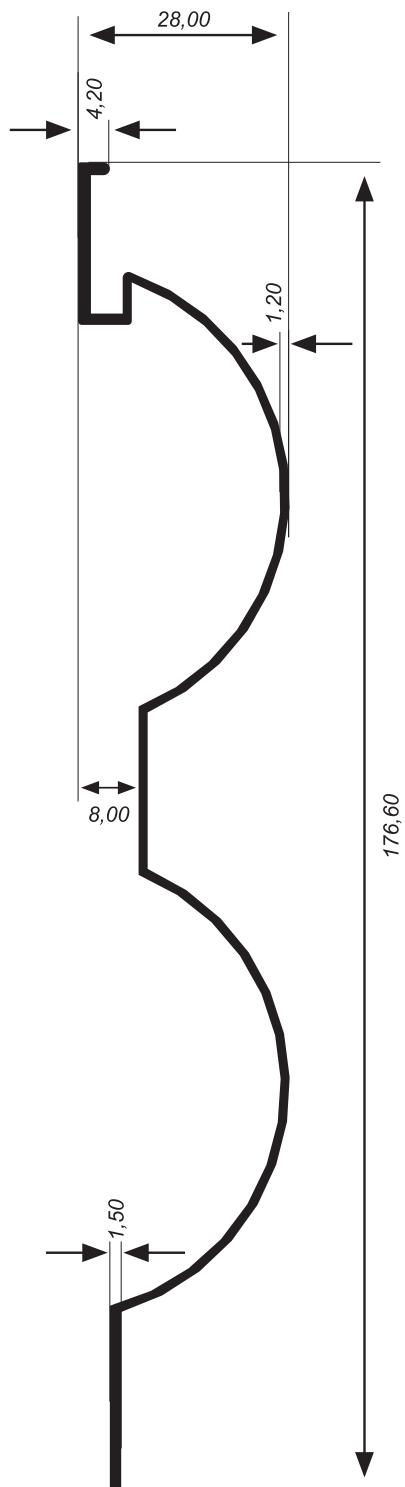
S-2931
0,873kg/m



S-2932
0,795kg/m

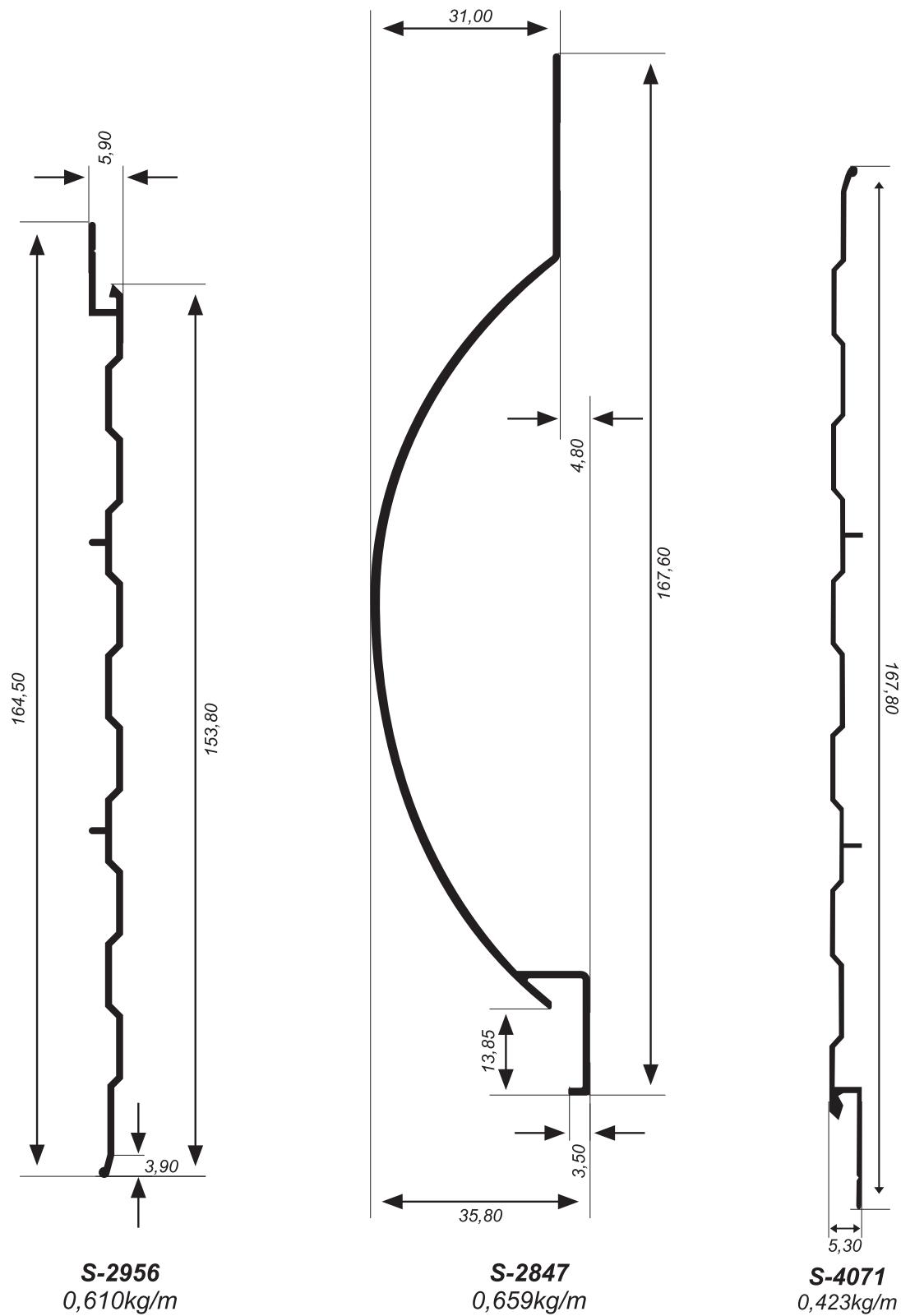


S-2933
0,876kg/m



S-2890
0,802kg/m





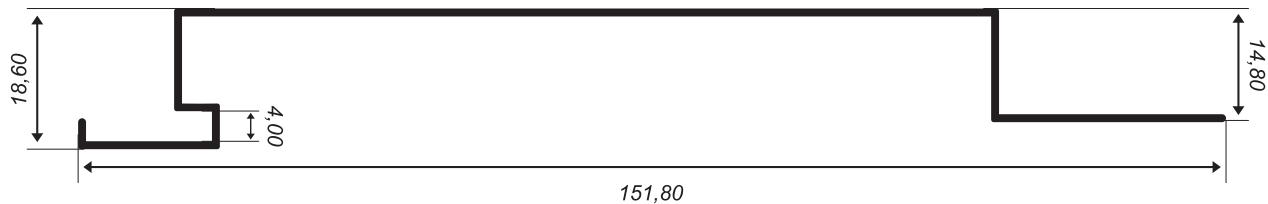


LAMBRIS

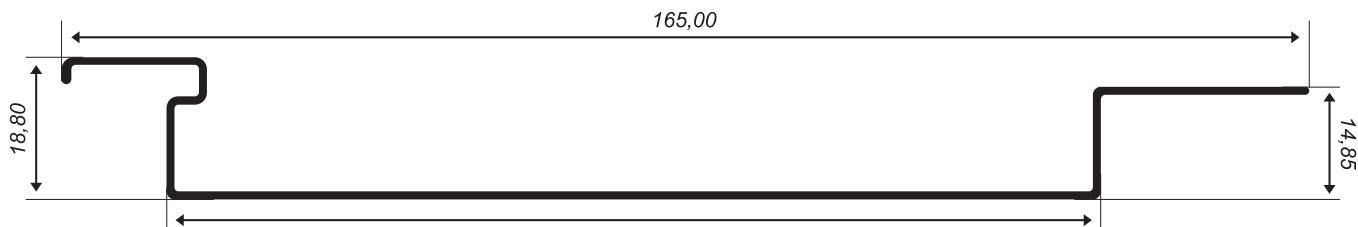
Lambris



S-4072
0,528kg/m



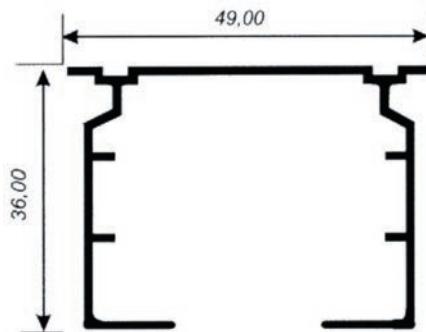
S-4073
0,530kg/m



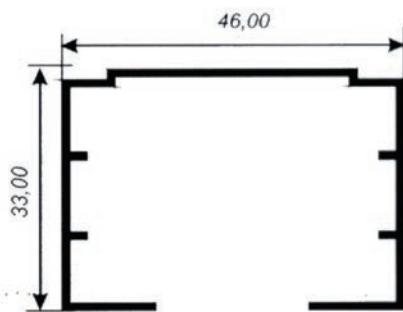
S-3834
0,587kg/m



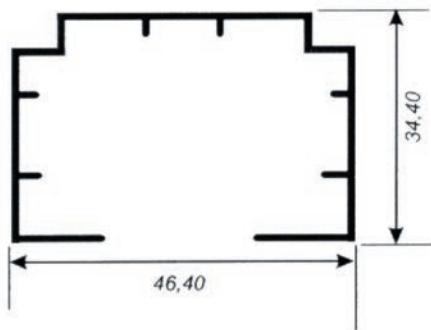
PERFIL METAL



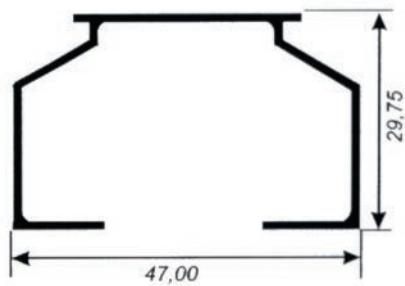
S-0441
0,420kg/m



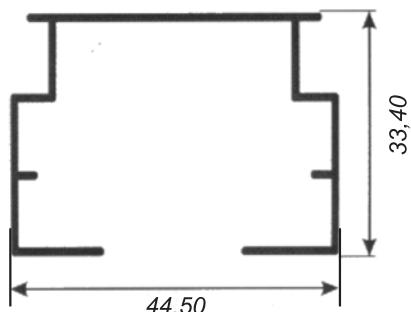
S-0544
0,495kg/m



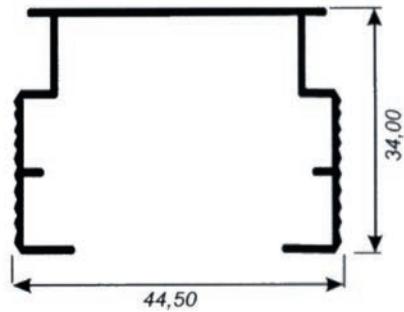
S-0545
0,540kg/m



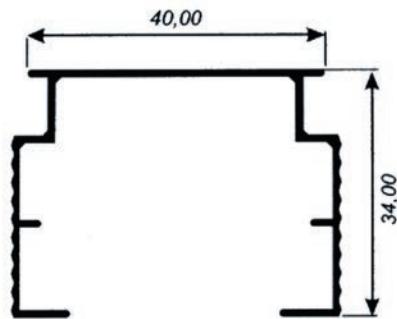
S-0572
0,413kg/m



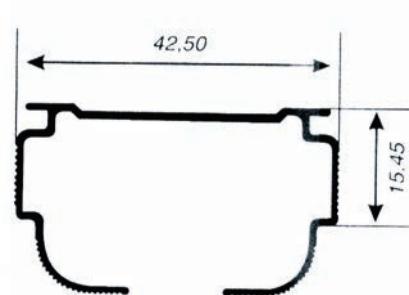
S-0583
0,392kg/m



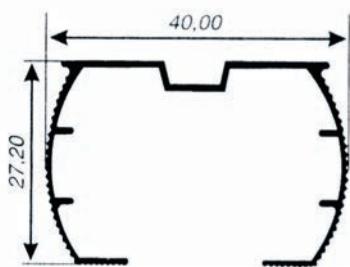
S-1388
0,356kg/m



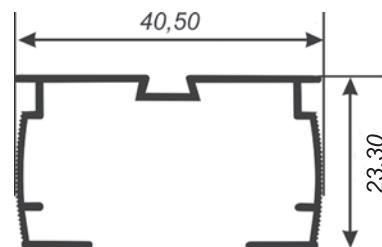
S-1415
0,356kg/m



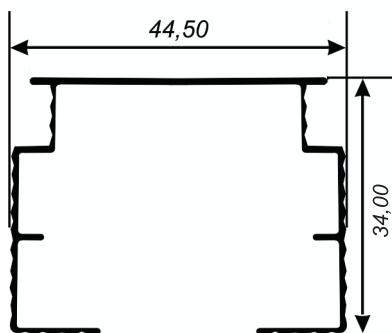
S-1633
0,300kg/m



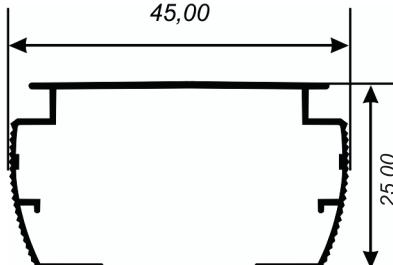
S-1699
0,315kg/m



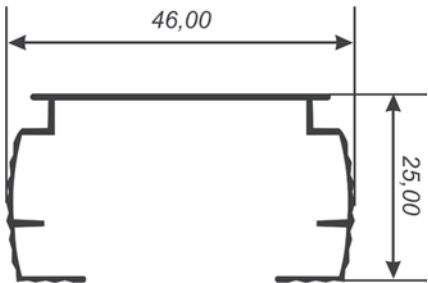
S-1812
0,242kg/m



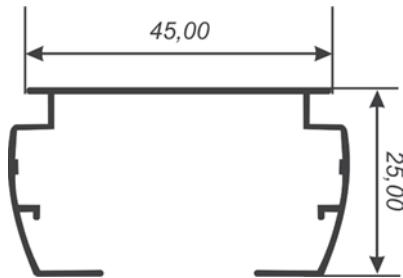
S-1931
0,288kg/m



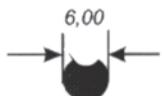
S-1932
0,250kg/m



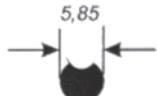
S-1933
0,249kg/m



S-2024
0,272kg/m



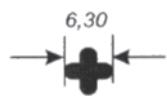
S-0205
0,067kg/m



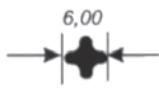
S-0496
0,067kg/m



S-0571
0,049kg/m



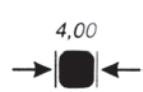
S-0584
0,049kg/m



S-1389
0,048kg/m



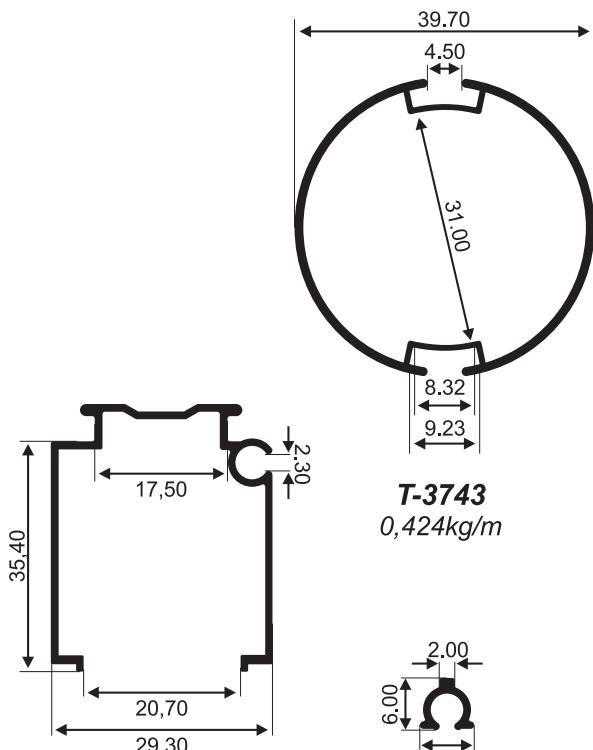
S-1700
0,044kg/m



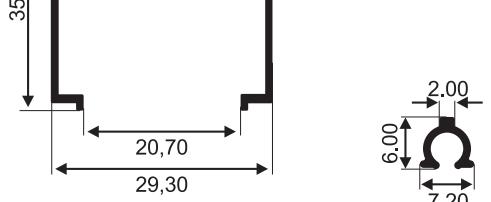
S-1640
0,043kg/m



S-1701
0,039kg/m

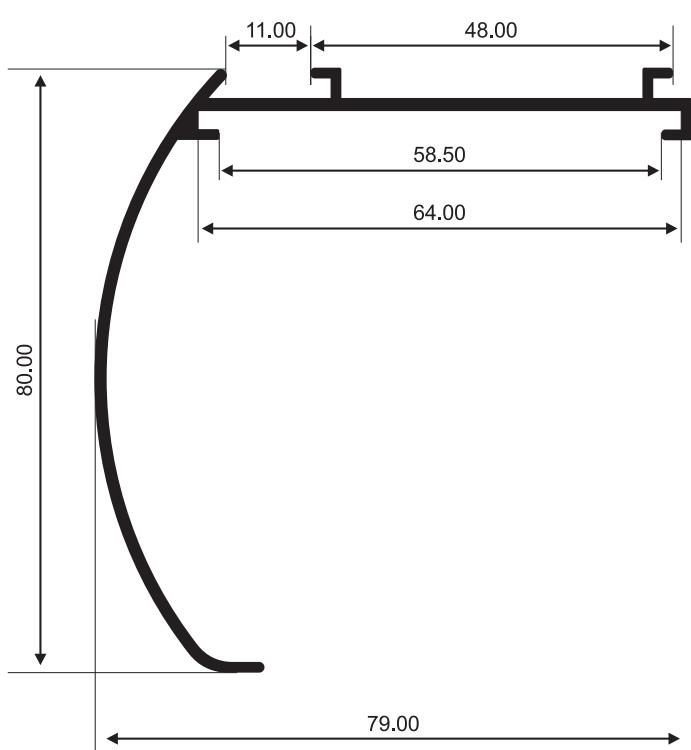


T-3743
0,424kg/m



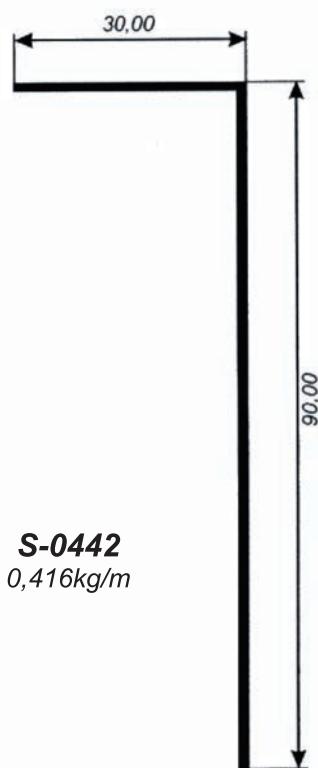
S-3755
0,318kg/m

S-3756
0,050kg/m

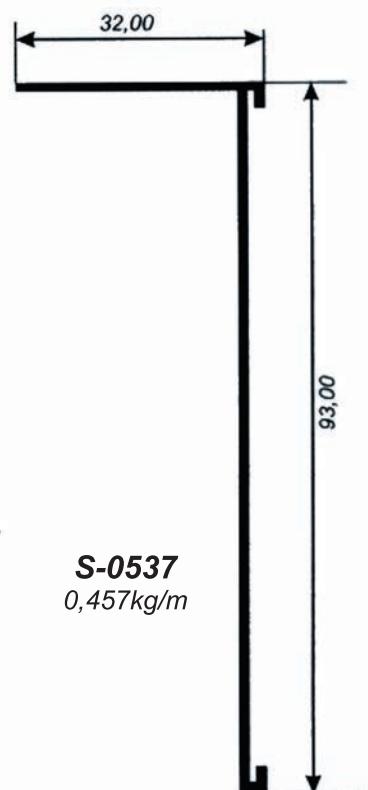


S-3757
0,718kg/m

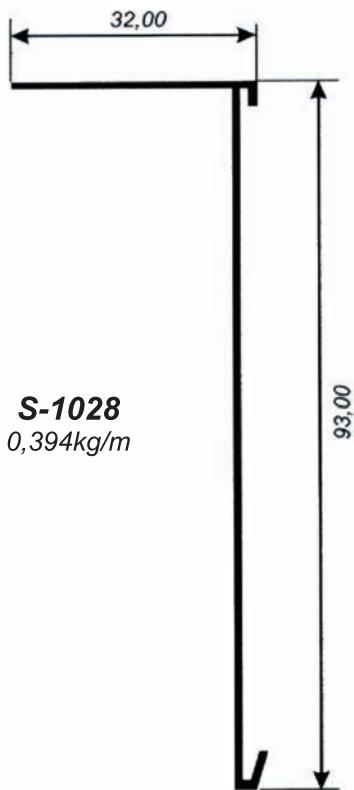




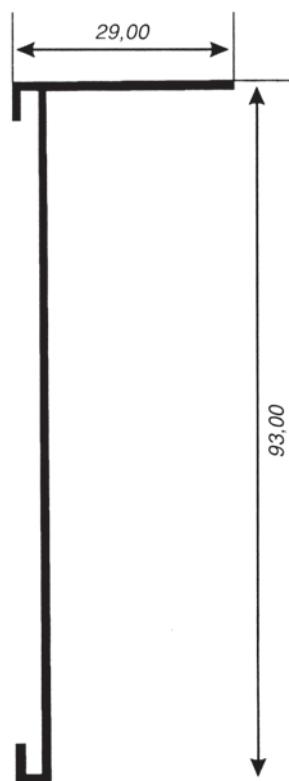
S-0442
0,416kg/m



S-0537
0,457kg/m

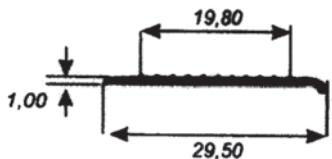


S-1028
0,394kg/m

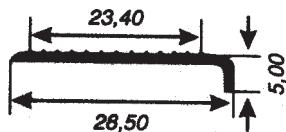


S-1792
0,357kg/m

ACABAMENTO CARPETO



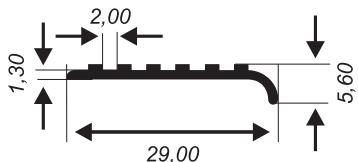
S-0048
0,083kg/m



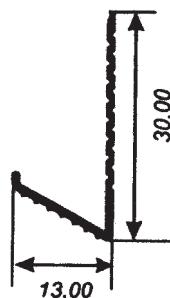
S-0097
0,103kg/m



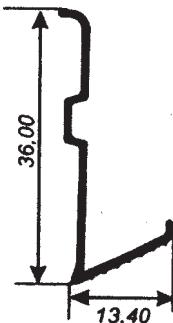
S-2032
0,103kg/m



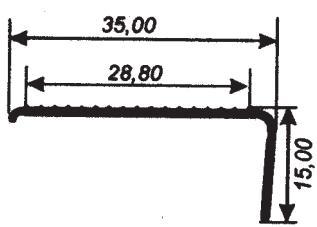
S-2988
0,134kg/m



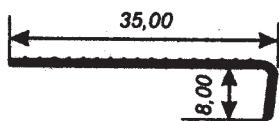
S-0136
0,108kg/m



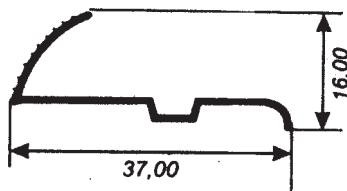
S-0151
0,130kg/m



S-0184
0,135kg/m



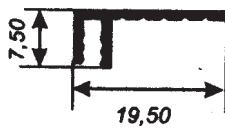
S-0484
0,112kg/m



S-0580
0,144kg/m



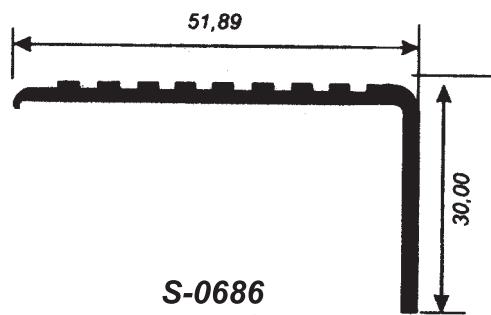
ACABAMENTO CARPETO



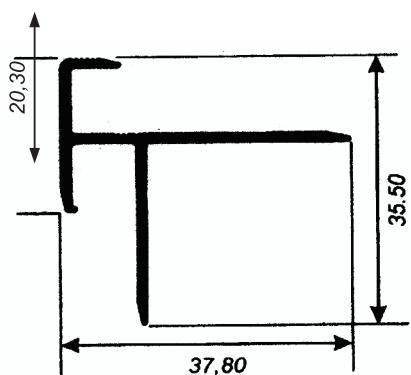
S-0638
0,075kg/m



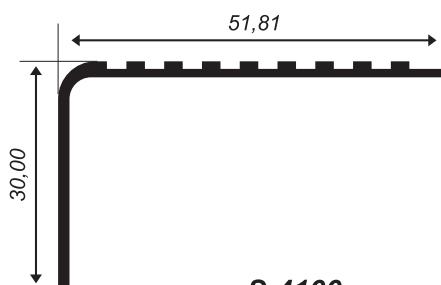
S-0639
0,140kg/m



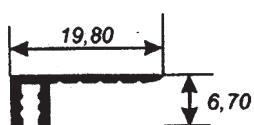
S-0686
0,330kg/m



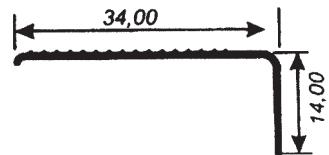
S-0972
0,255kg/m



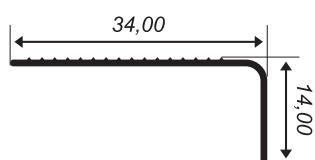
S-4166
0,319kg/m



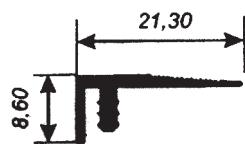
S-0978
0,077kg/m



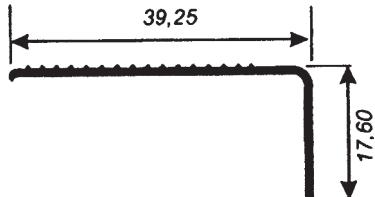
S-0979
0,116kg/m



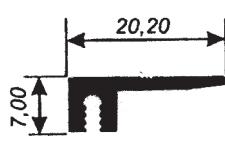
S-4165
0,116kg/m



S-0980
0,123kg/m

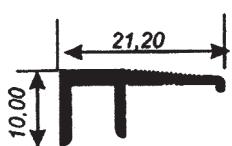


S-0981
0,132kg/m

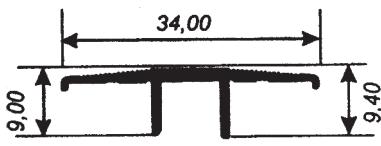


S-0982
0,125kg/m

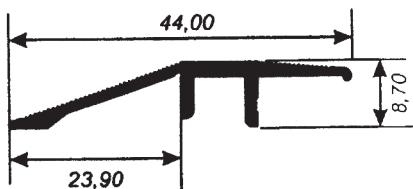
ACABAMENTO CARPETO



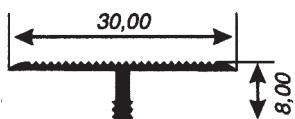
S-0983
0,136kg/m



S-0984
0,179kg/m



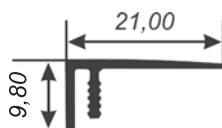
S-0985
0,204kg/m



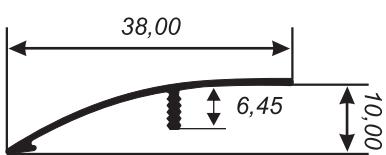
S-1562
0,101kg/m



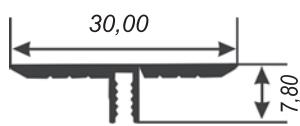
S-1940
0,102kg/m



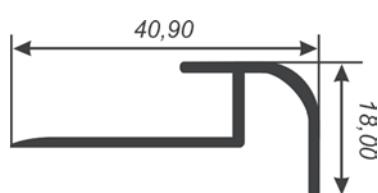
S-1941
0,110kg/m



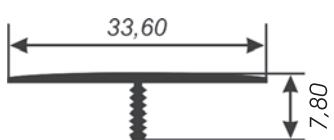
S-1942
0,132kg/m



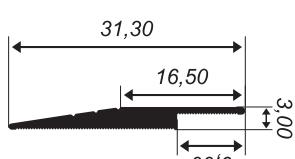
S-1943
0,160kg/m



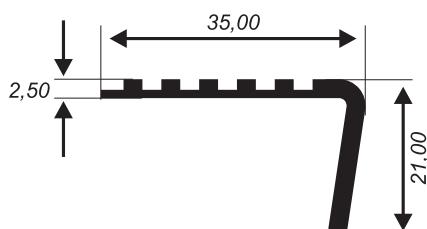
S-1944
0,273kg/m



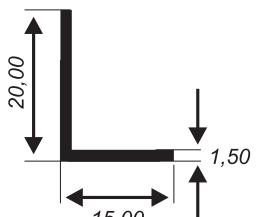
S-1955
0,132kg/m



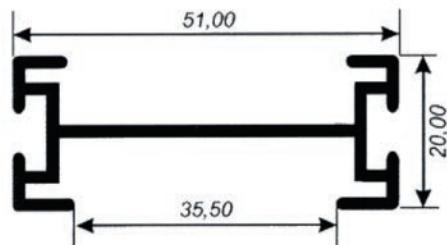
S-3902
0,152kg/m



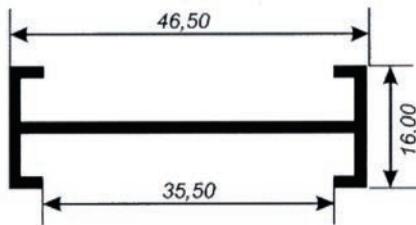
S-2828
0,295kg/m



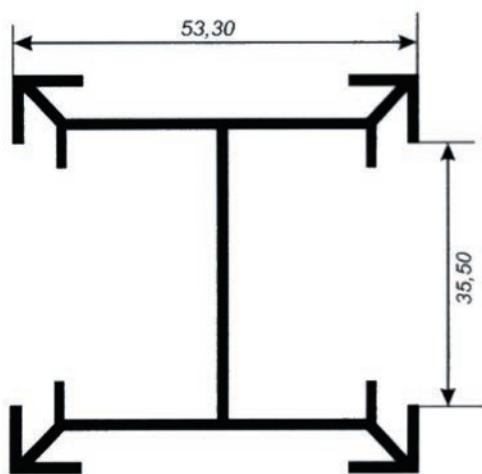
S-2888
0,134kg/m



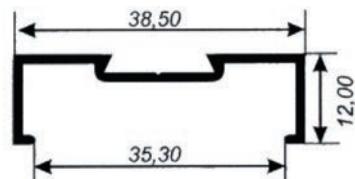
S-0140
0,497kg/m



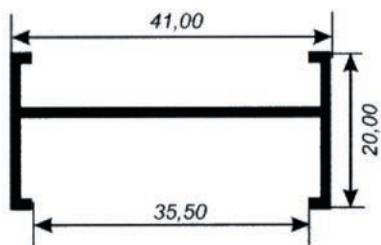
S-0142
0,321kg/m



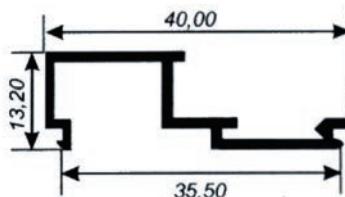
S-0143
0,835kg/m



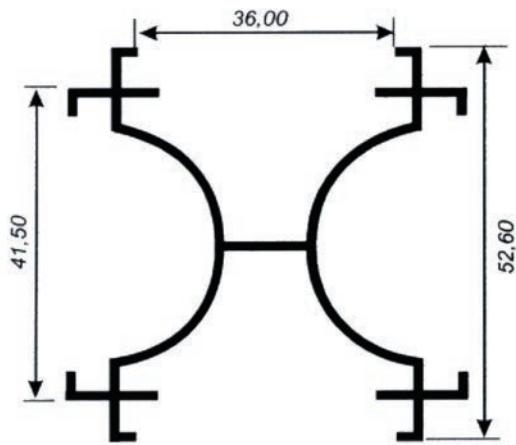
S-0179
0,202kg/m



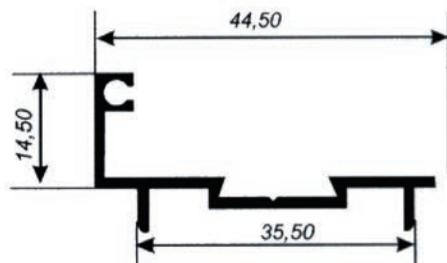
S-0255
0,281kg/m



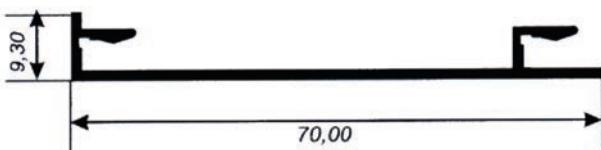
S-0280
0,253kg/m



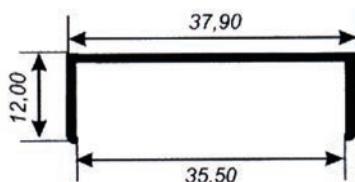
S-0344
0,702kg/m



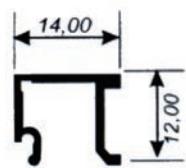
S-0345
0,324kg/m



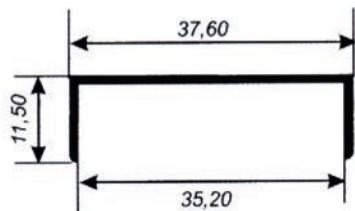
S-0346
0,310kg/m



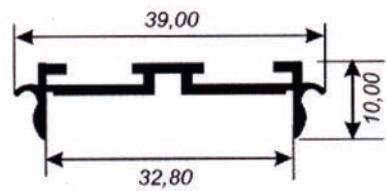
S-0347
0,189kg/m



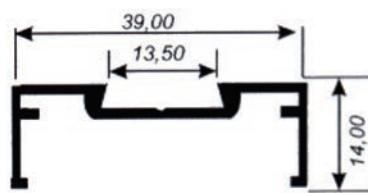
S-0387
0,113kg/m



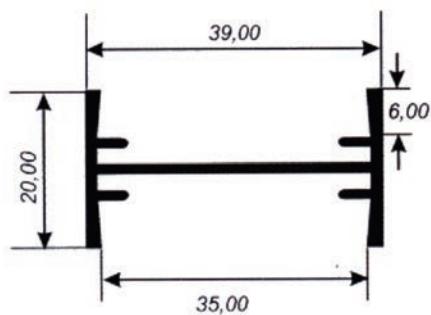
S-0388
0,185kg/m



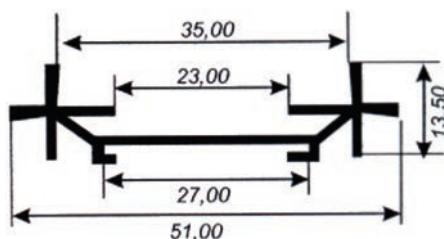
S-0389
0,220kg/m



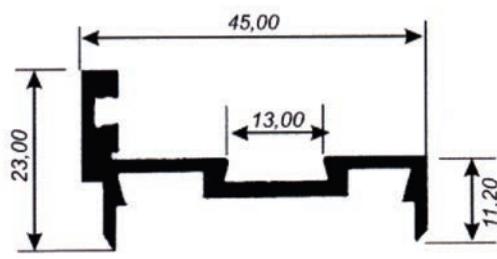
S-0390
0,278kg/m



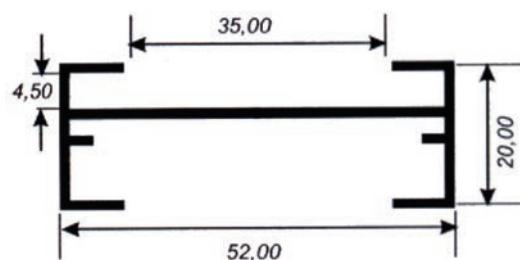
S-0391
0,358kg/m



S-0392
0,383kg/m

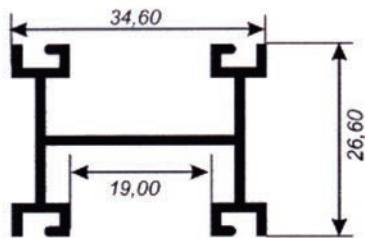


S-0393
0,428kg/m

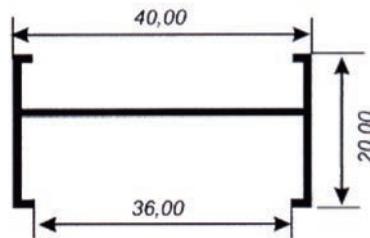


S-0394
0,434kg/m

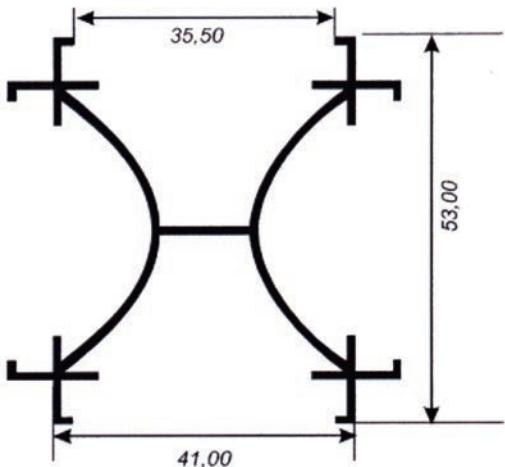
DIVISÓRIAS



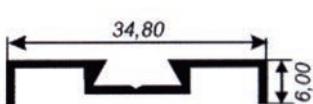
S-0395
0,440kg/m



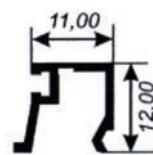
S-0610
0,221kg/m



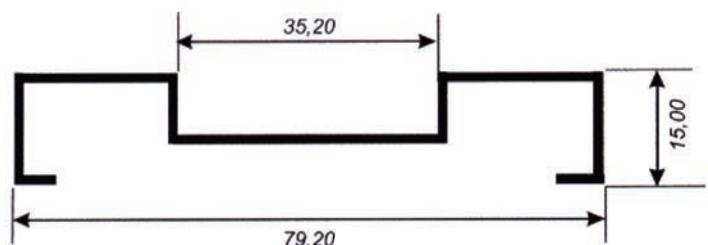
S-1114
0,600kg/m



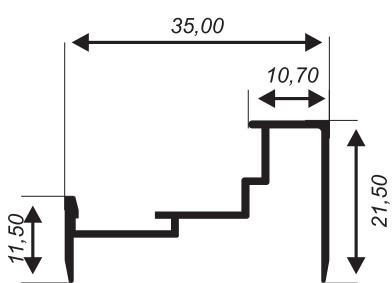
S-1115
0,169kg/m



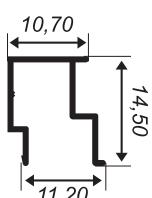
S-1259
0,103kg/m



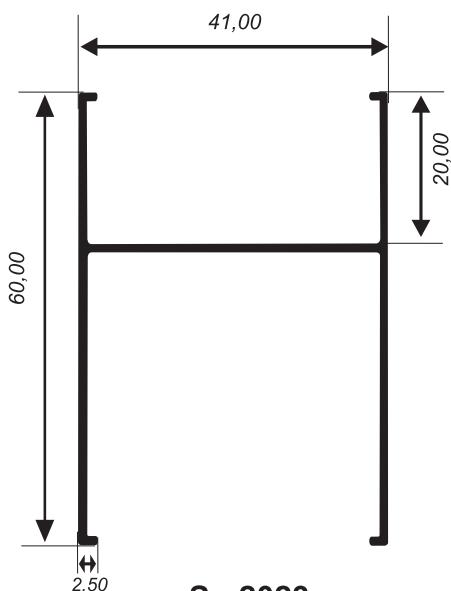
S-1116
0,394kg/m



S-1903
0,230kg/m



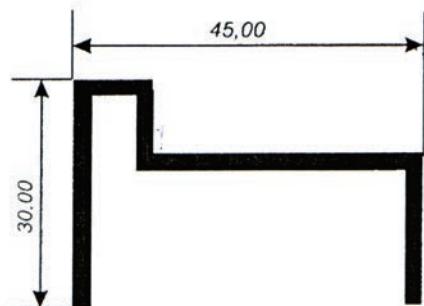
S-1902
0,095kg/m



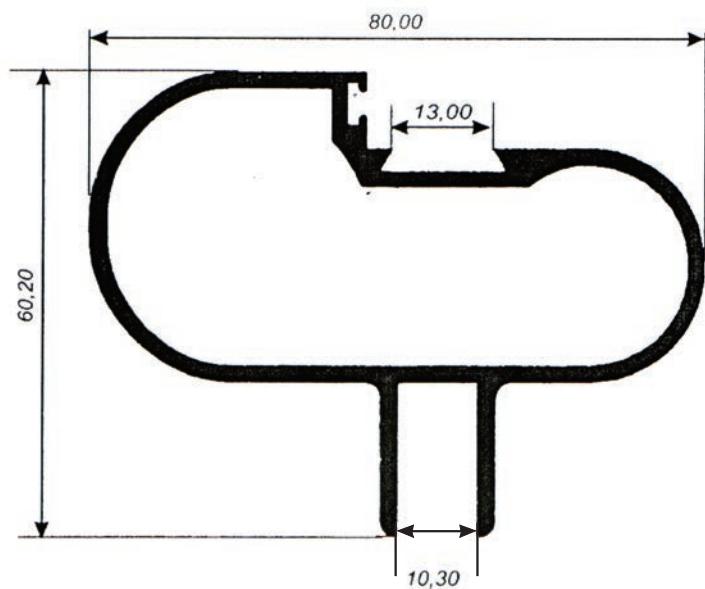
S - 2023
0,488kg/m



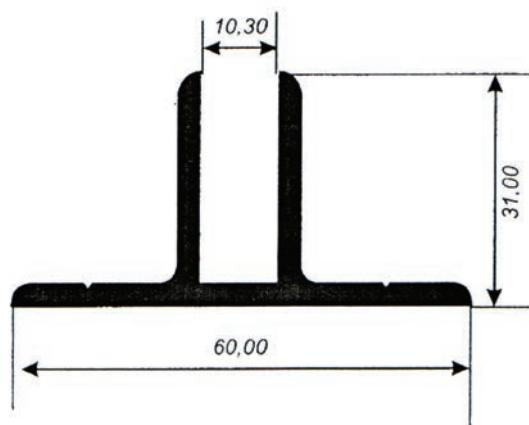
DIVISÓRIAS SANITÁRIAS



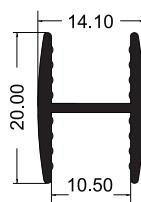
S-0919
0,545kg/m



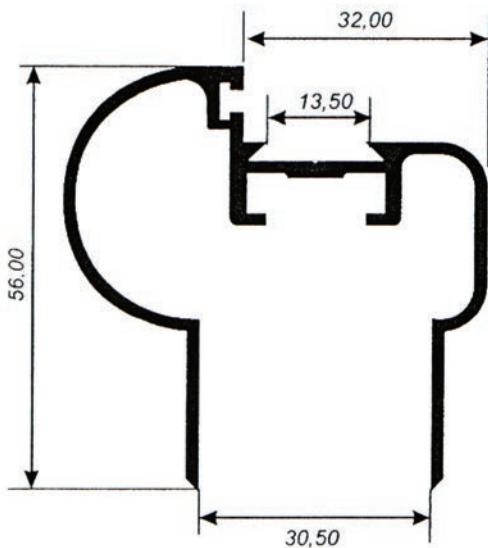
T-1072
1,510kg/m



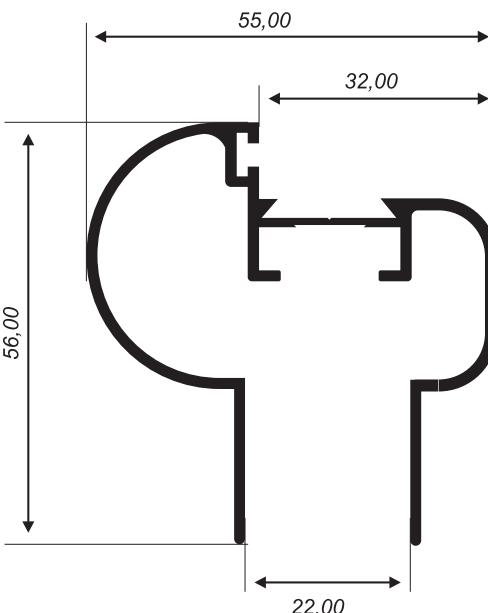
S-1073
0,924kg/m



S-1729
0,202kg/m



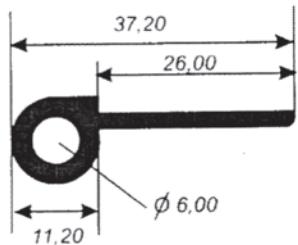
S-1258
0,818kg/m



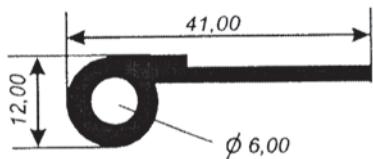
S-3173
0,850kg/m



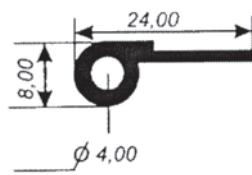
ACESSÓRIOS PARA ESQUADRIAS



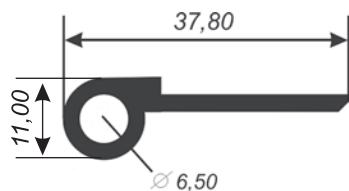
T-0245
0,359kg/m



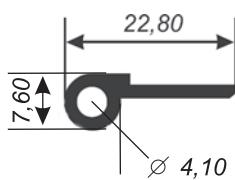
T-0321
0,473kg/m



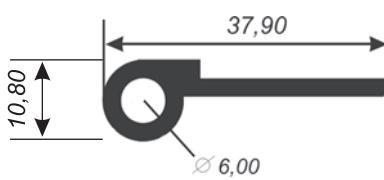
T-0322
0,180kg/m



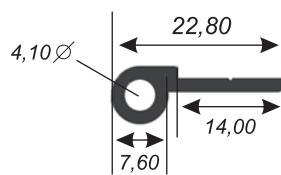
T-0766
0,367kg/m



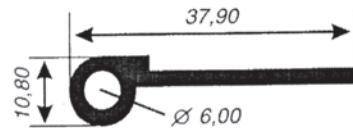
T-0768
0,172kg/m



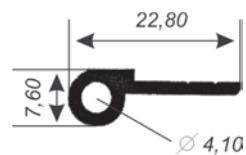
T-0769
0,375kg/m



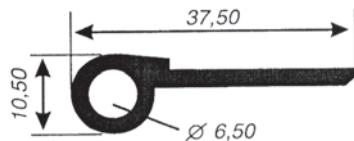
T-1298
0,173kg/m



T-1535
0,375kg/m

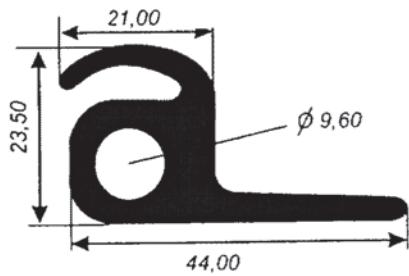


T-1536
0,173kg/m

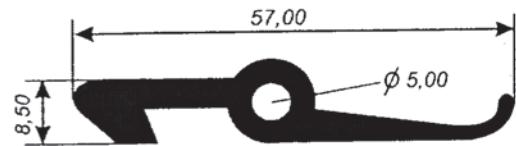


T-1723
0,329kg/m

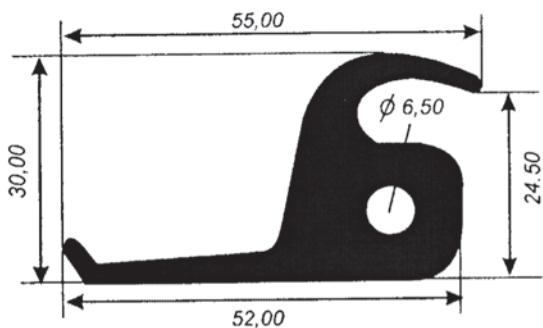
ACESSÓRIOS PARA ESQUADRIAS



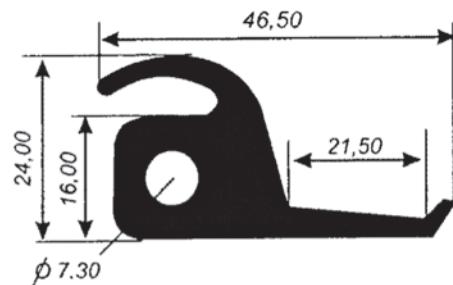
T-0299
1,000kg/m



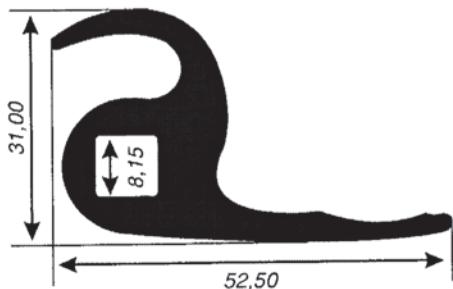
T-0373
0,329kg/m



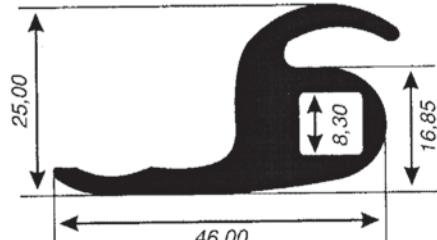
T-0461
1,570kg/m



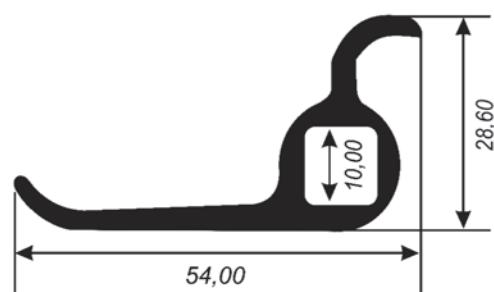
T-0709
1,195kg/m



T-1619
1,313kg/m



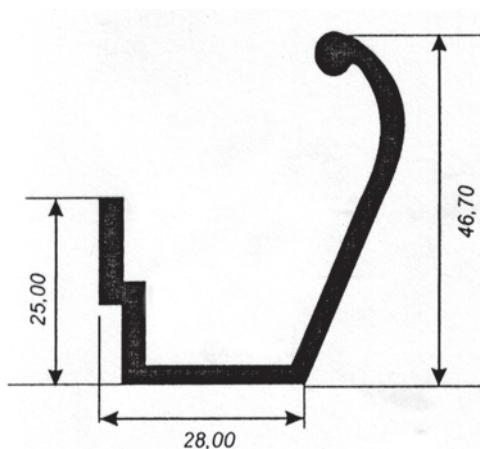
T-1763
0,994kg/m



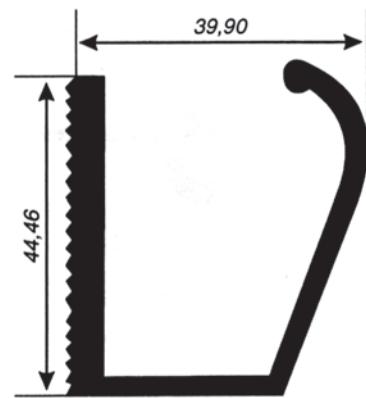
T-1912
0,843kg/m



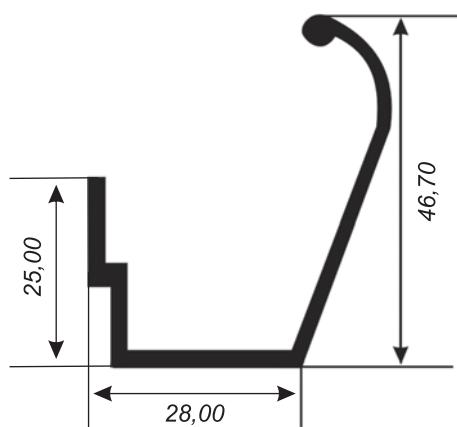
ACESSÓRIOS PARA ESQUADRIAS



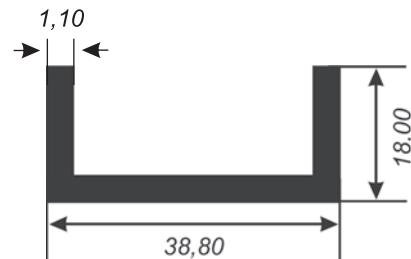
S-0421
0,627kg/m



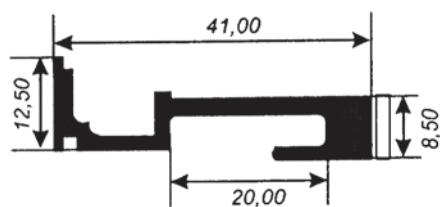
S-0487
0,904kg/m



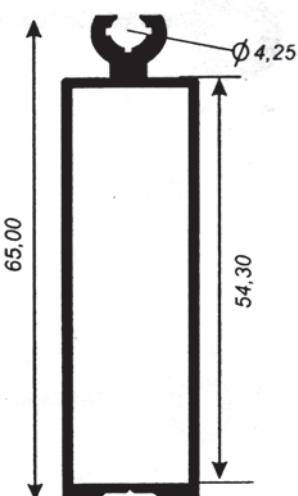
S-1863
0,597kg/m



S-1864
0,364kg/m

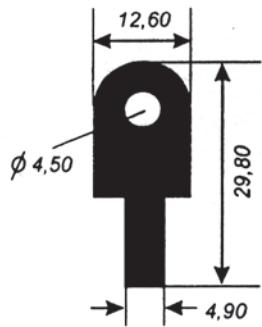


S-0466
0,433kg/m

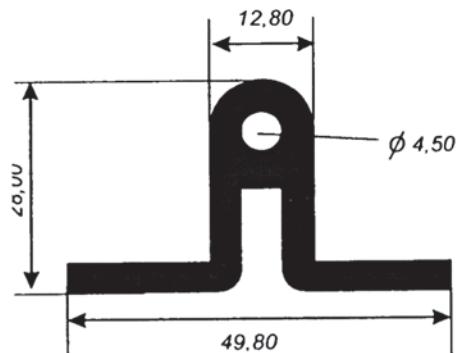


T-0459
0,687kg/m

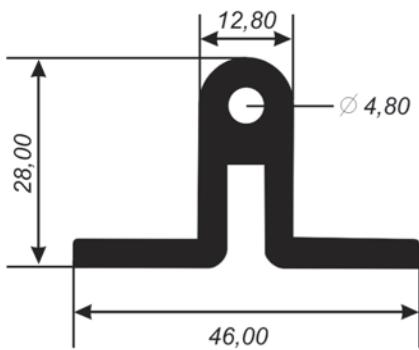
ACESSÓRIOS PARA ESQUADRIAS



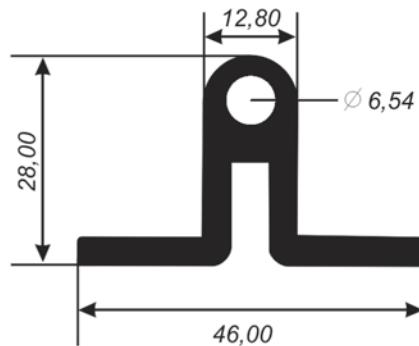
T-0462
0,670kg/m



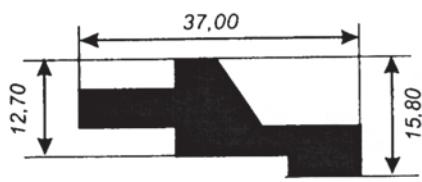
T-0463
1,070kg/m



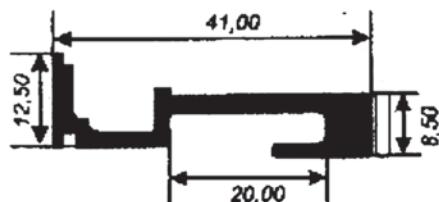
T-0895
1,021kg/m



T-1207
0,975kg/m



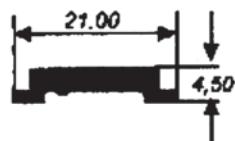
S-0465
0,670kg/m



S-0466
0,433kg/m



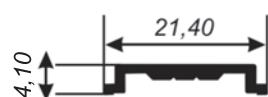
ACESSÓRIOS PARA ESQUADRIAS



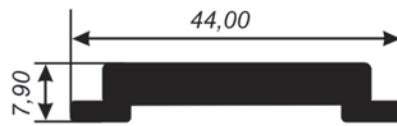
S-0564
0,176kg/m



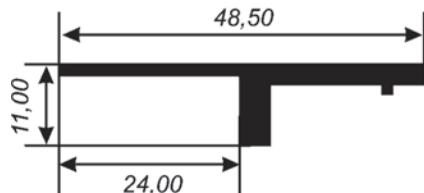
S-1283
0,165kg/m



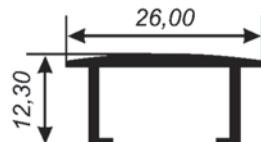
S-1289
0,113kg/m



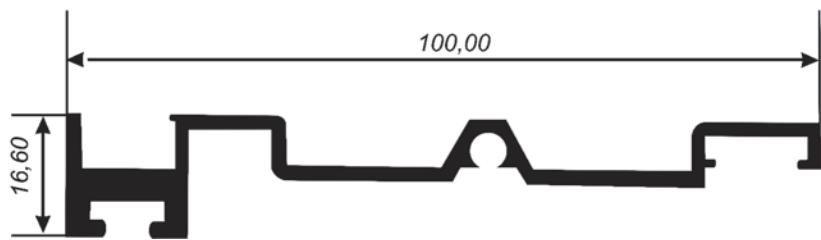
S-1937
0,438kg/m



S-1913
0,350kg/m

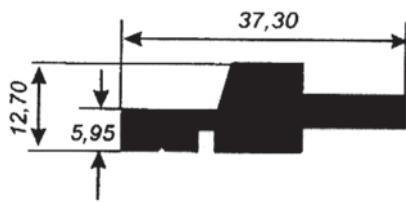


S-1917
0,185kg/m

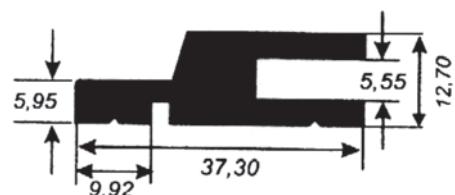


S-1914
0,934kg/m

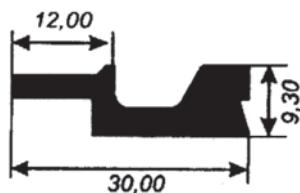
ACESSÓRIOS PARA ESQUADRIAS



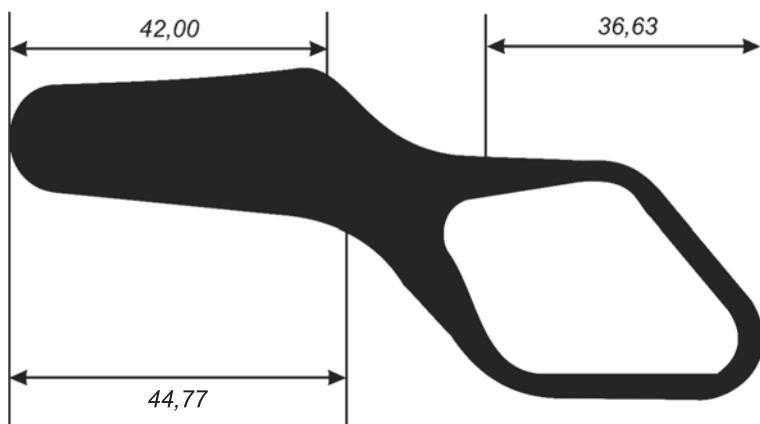
S-0756
0,713kg/m



S-0757
0,781kg/m



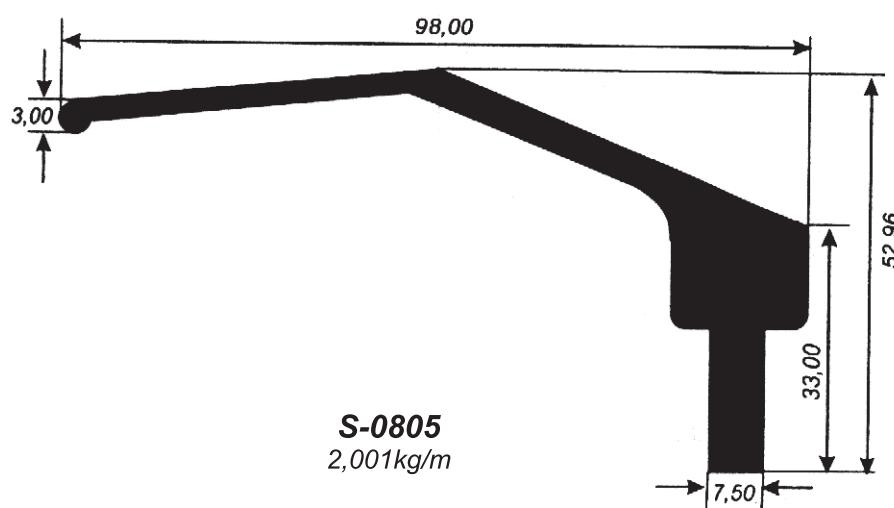
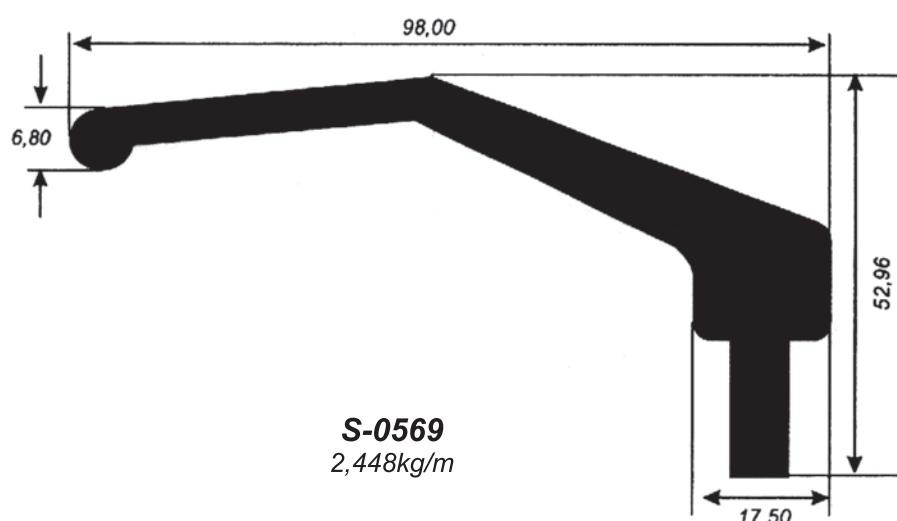
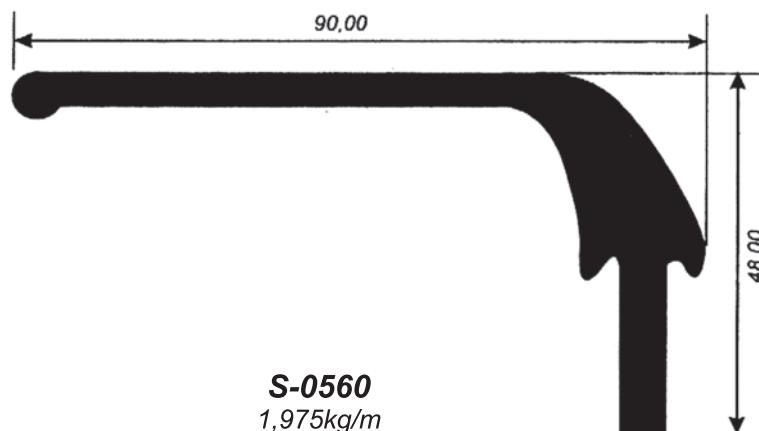
S-0887
0,429kg/m



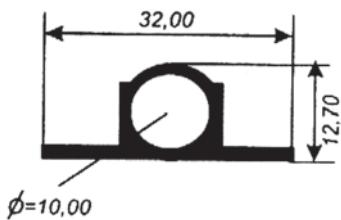
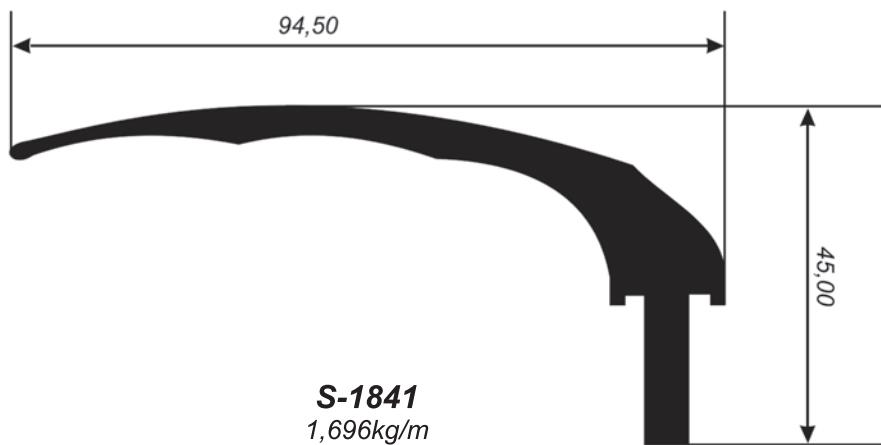
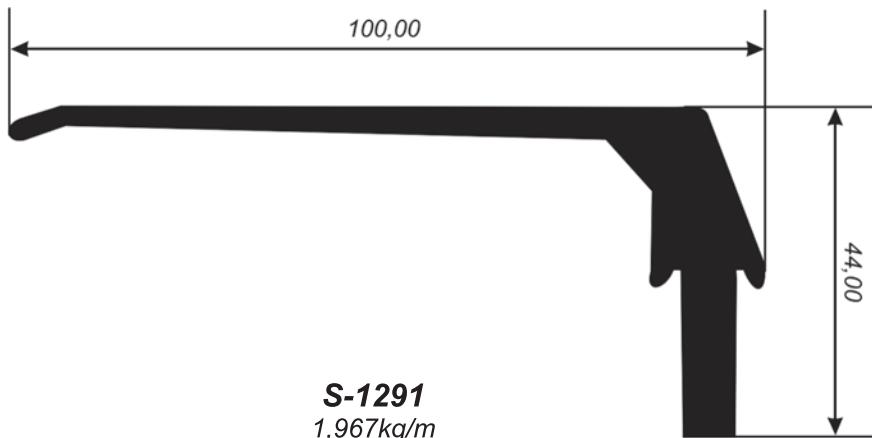
T-0942
3,492 kg/m



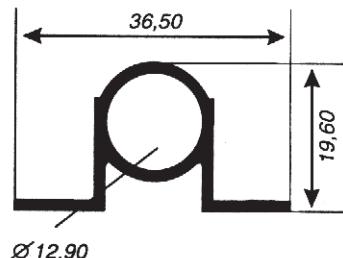
ACESSÓRIOS PARA ESQUADRIAS



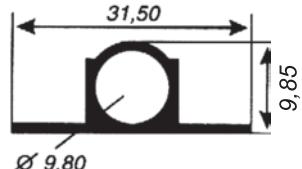
ACESSÓRIOS PARA ESQUADRIAS



T-0832
0,273kg/m



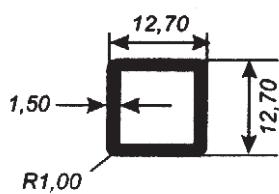
T-0903
0,319kg/m



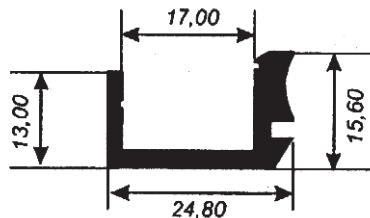
T-1012
0,225kg/m



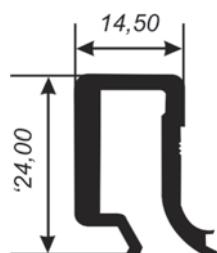
ACESSÓRIOS PARA ESQUADRIAS



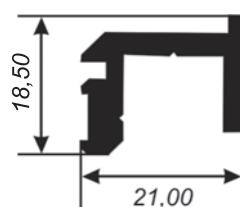
T-0781
0,179kg/m



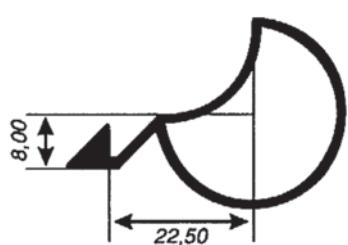
S-0799
0,367kg/m



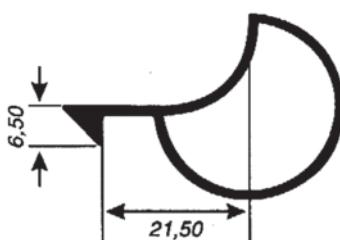
S-1290
0,428kg/m



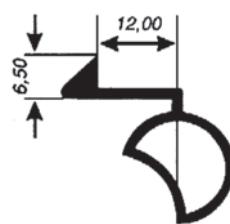
S-1842
0,386kg/m



T-1539
0,406g/m

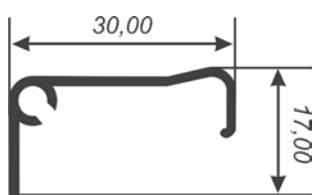


T-1540
0,381g/m



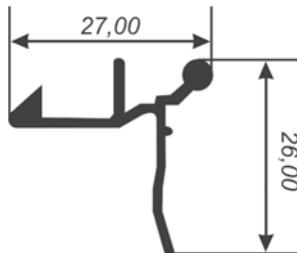
T-1543
0,286g/m

ACESSÓRIOS PARA ESQUADRIAS



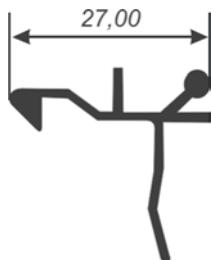
S-0973

0,191kg/m



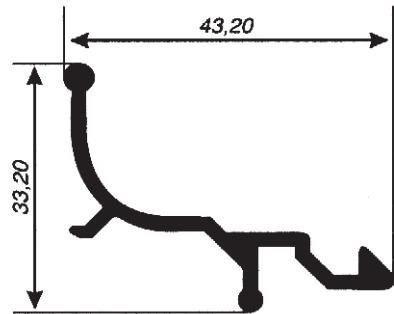
S-0974

0,237kg/m



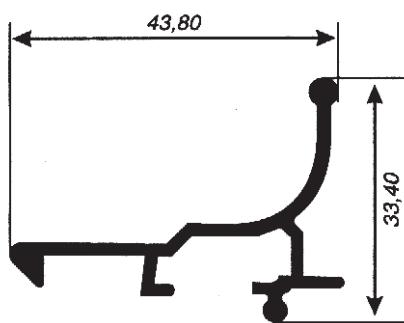
S-0975

0,247kg/m



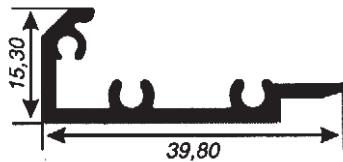
S-1528

0,432kg/m



S-1529

0,447kg/m

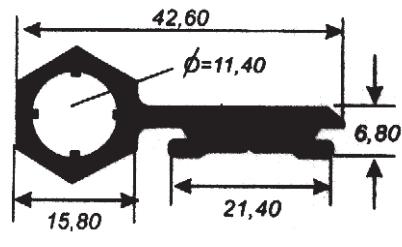


S-1530

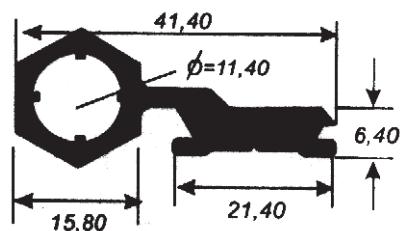
0,344kg/m



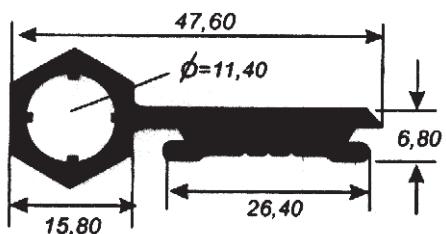
ACESSÓRIOS PARA ESQUADRIAS



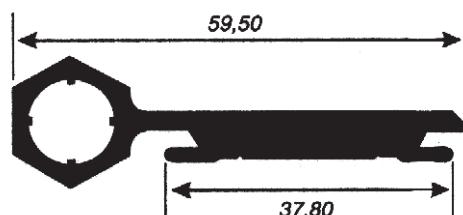
T-0884
0,698kg/m



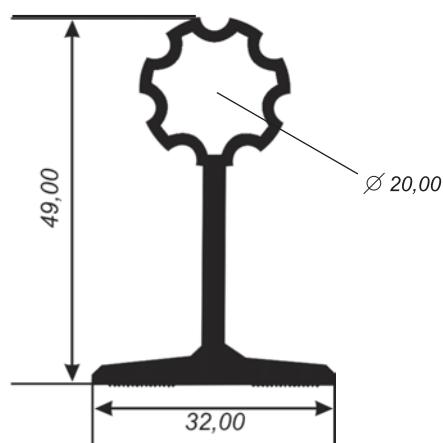
T-0885
0,702kg/m



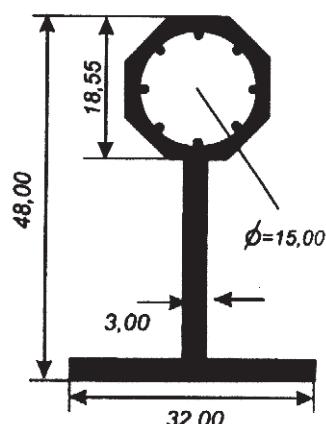
T-0886
0,781kg/m



T-1716
0,913kg/m

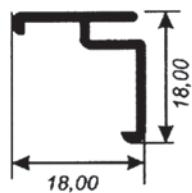


T-0883
0,771kg/m

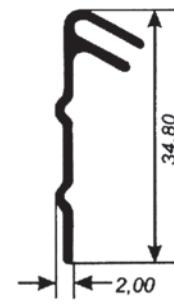


T-0916
0,758kg/m

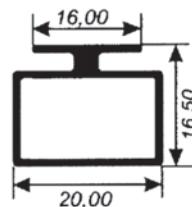
ANTENA PARABÓLICA



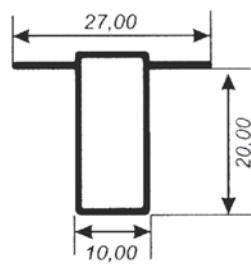
S-0550
0,144kg/m



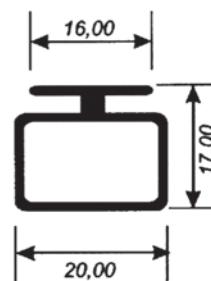
S-0551
0,149kg/m



T-0548
0,228kg/m

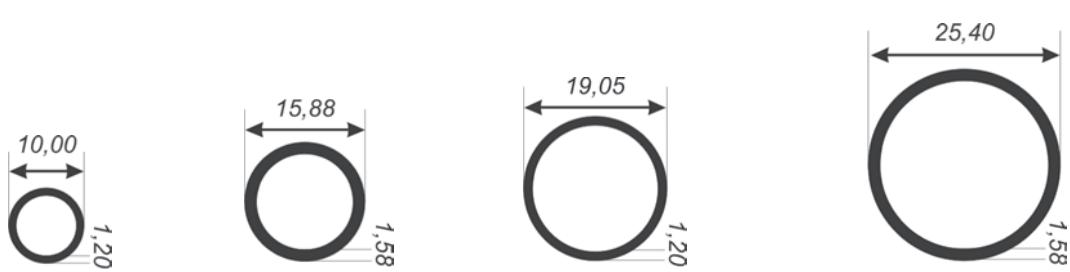


T-0549
0,207kg/m

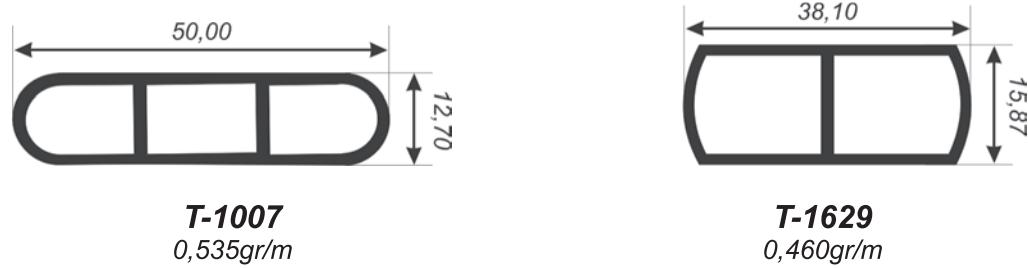


T-0826
0,228kg/m





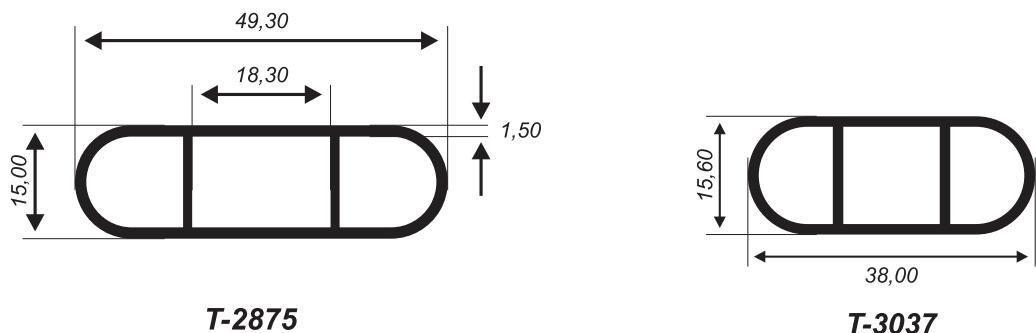
T-1524
0,076gr/m **T-0174**
0,192gr/m **T-0141**
0,181gr/m **T-0154**
0,319gr/m



T-1007
0,535gr/m **T-1629**
0,460gr/m

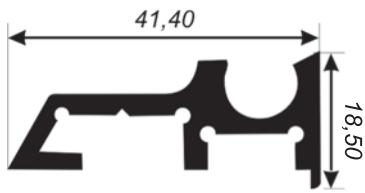


T-1396
0,536gr/m **S-1587**
0,398gr/m

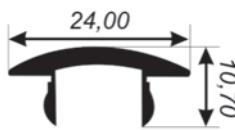


T-2875
0,527kg/m **T-3037**
0,420kg/m

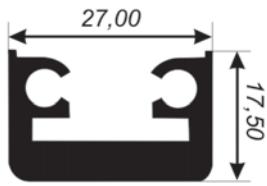
BALCÃO DE REFRIGERAÇÃO



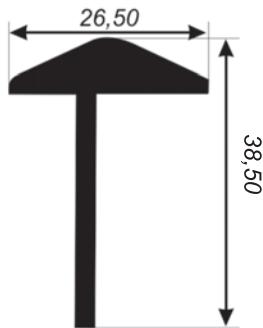
S-1607
0,599kg/m



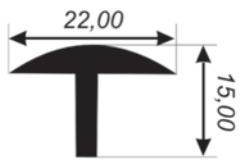
S-1608
0,191kg/m



S-1610
0,651kg/m



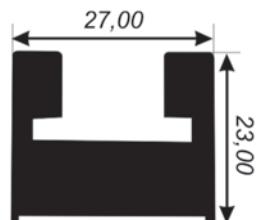
S-1611
0,578kg/m



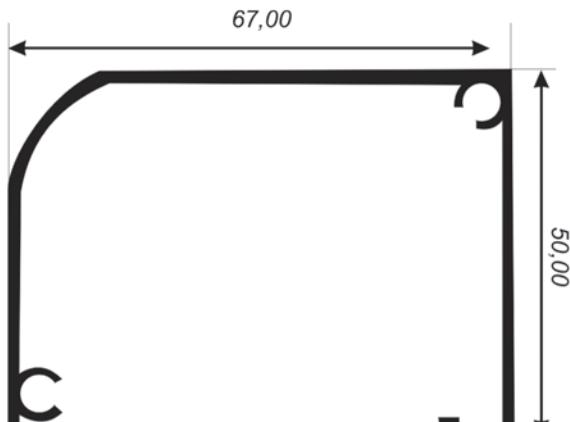
S-1612
0,239kg/m



S-1615
0,325kg/m



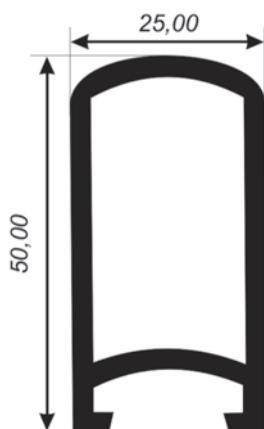
S-1616
1,108kg/m



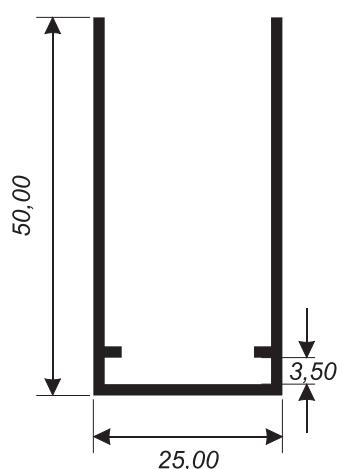
S-1617
0,740kg/m



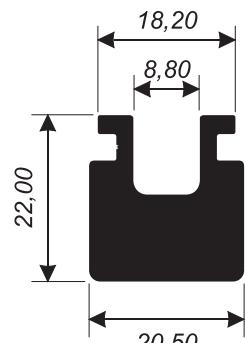
S-1962
0,618kg/m



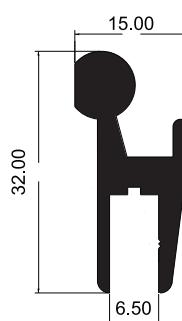
T-1963
0,991kg/m



S-1964
0,605kg/m



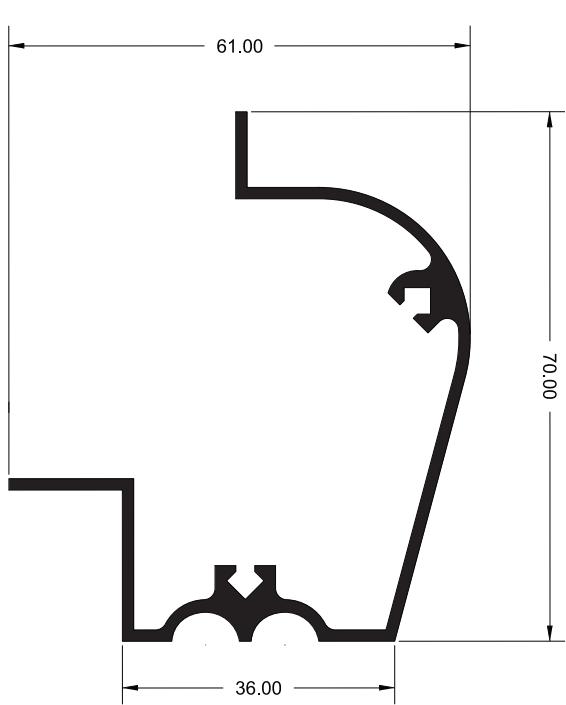
S-1965
0,887kg/m



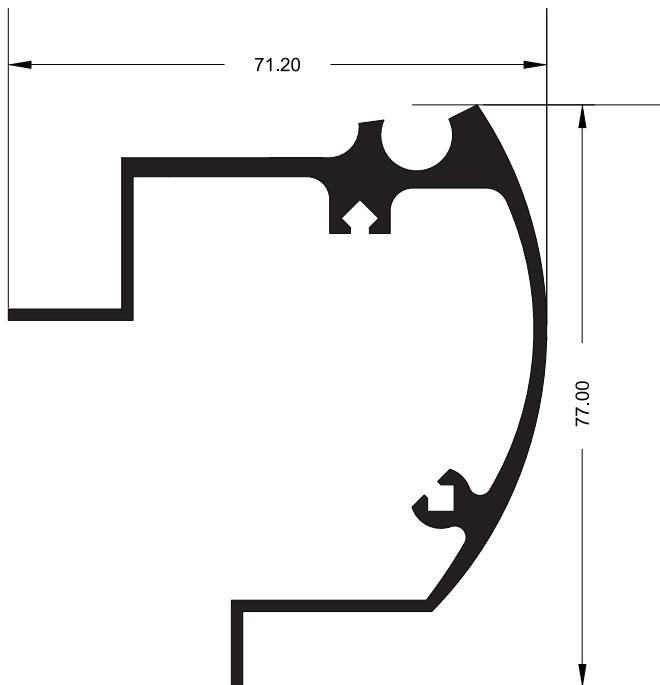
S-2366
0,524kg/m



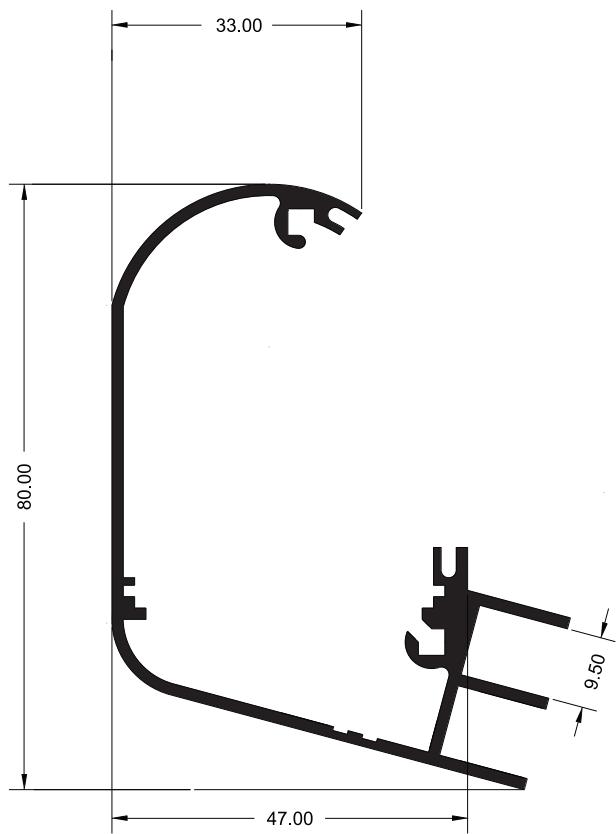
BALCÃO DE REFRIGERAÇÃO



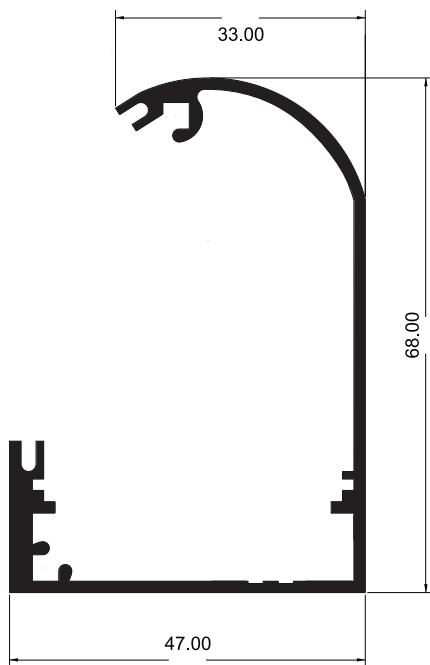
S-2367
0,879kg/m



S-2368
1,401kg/m



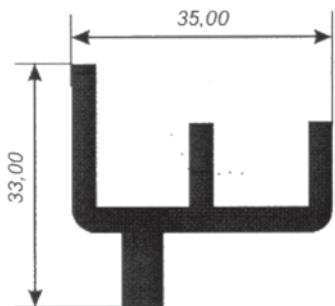
S-2369
1,005kg/m



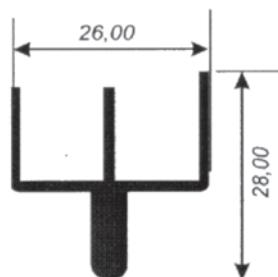
S-2370
0,823kg/m



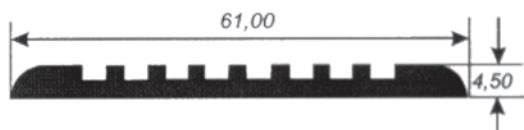
CARROCERIAS ARREMATES



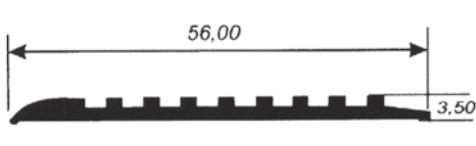
S-0002
0,815kg/m



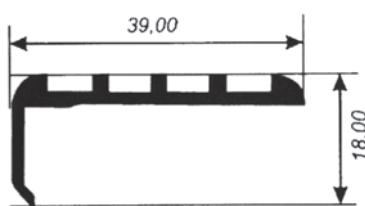
S-0058
0,378kg/m



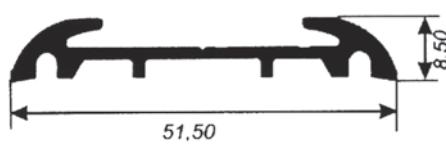
S-0062
0,445kg/m



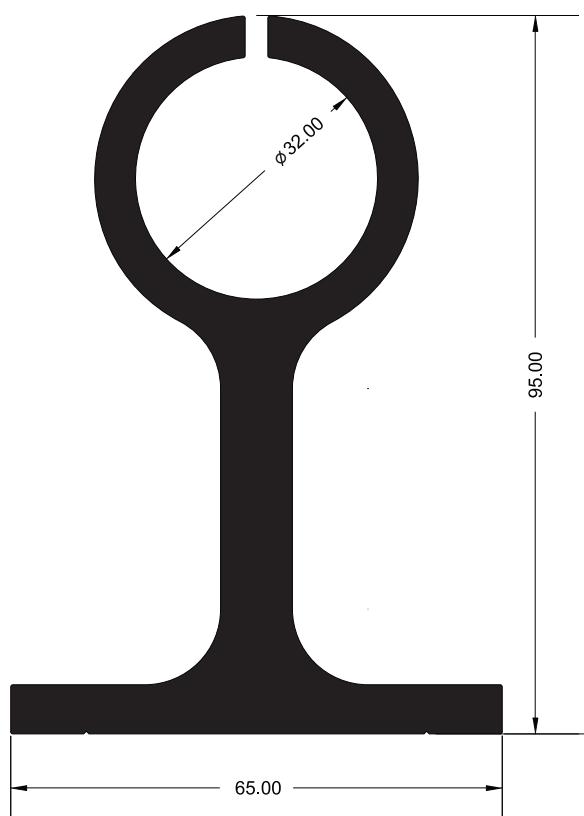
S-0998
0,384kg/m



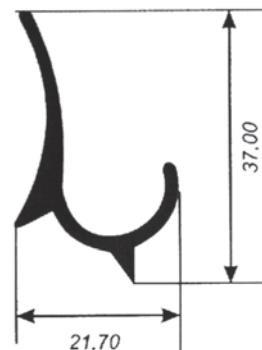
S-0999
0,302kg/m



S-1000
0,395kg/m



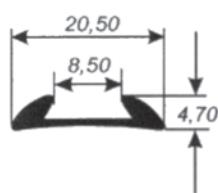
T-3352
4,173kg/m



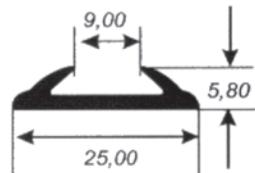
S-1119
0,320kg/m



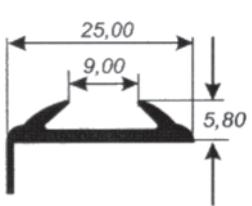
CARROCERIAS ARREMATES



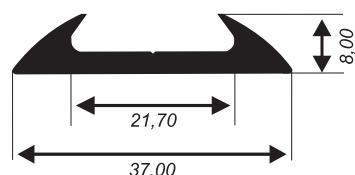
S-1643
0,113kg/m



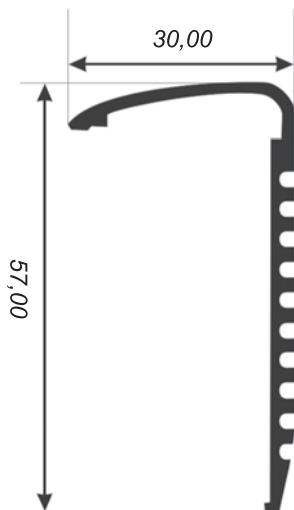
S-1644
0,172kg/m



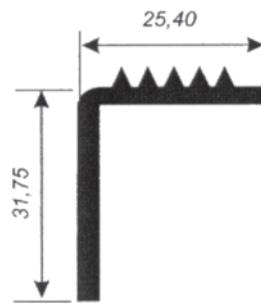
S-1827
0,191kg/m



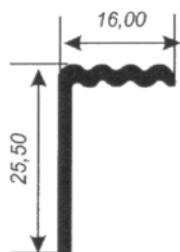
S-2320
0,377kg/m



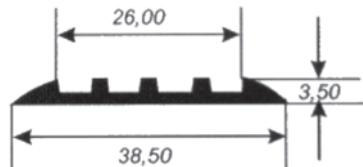
S-1874
0,428kg/m



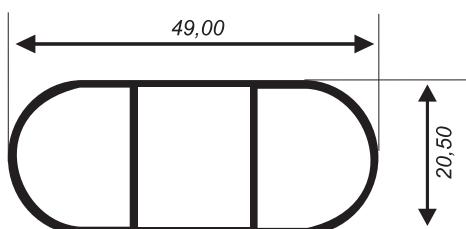
S-1958
0,264kg/m



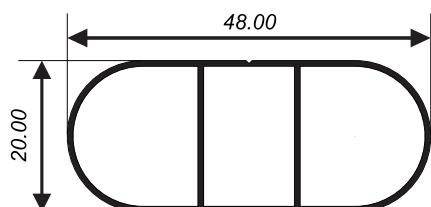
S-1960
0,194kg/m



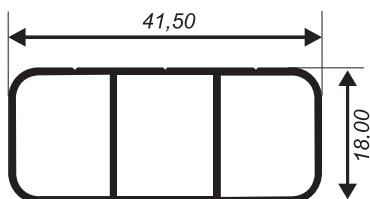
S-1961
0,218kg/m



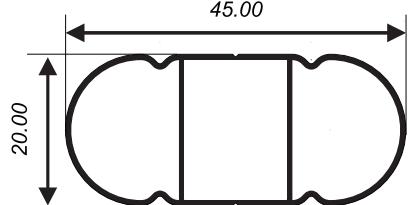
T-2315
0,459kg/m



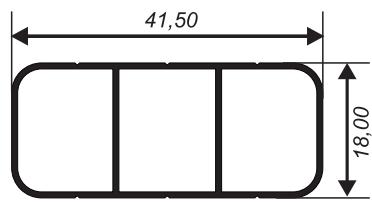
T-3569
0,310kg/m



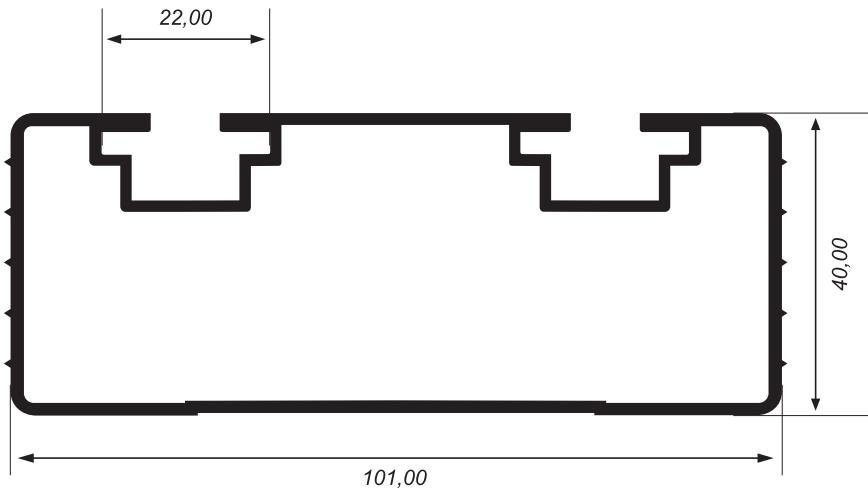
T- 2190
0,379kg/m



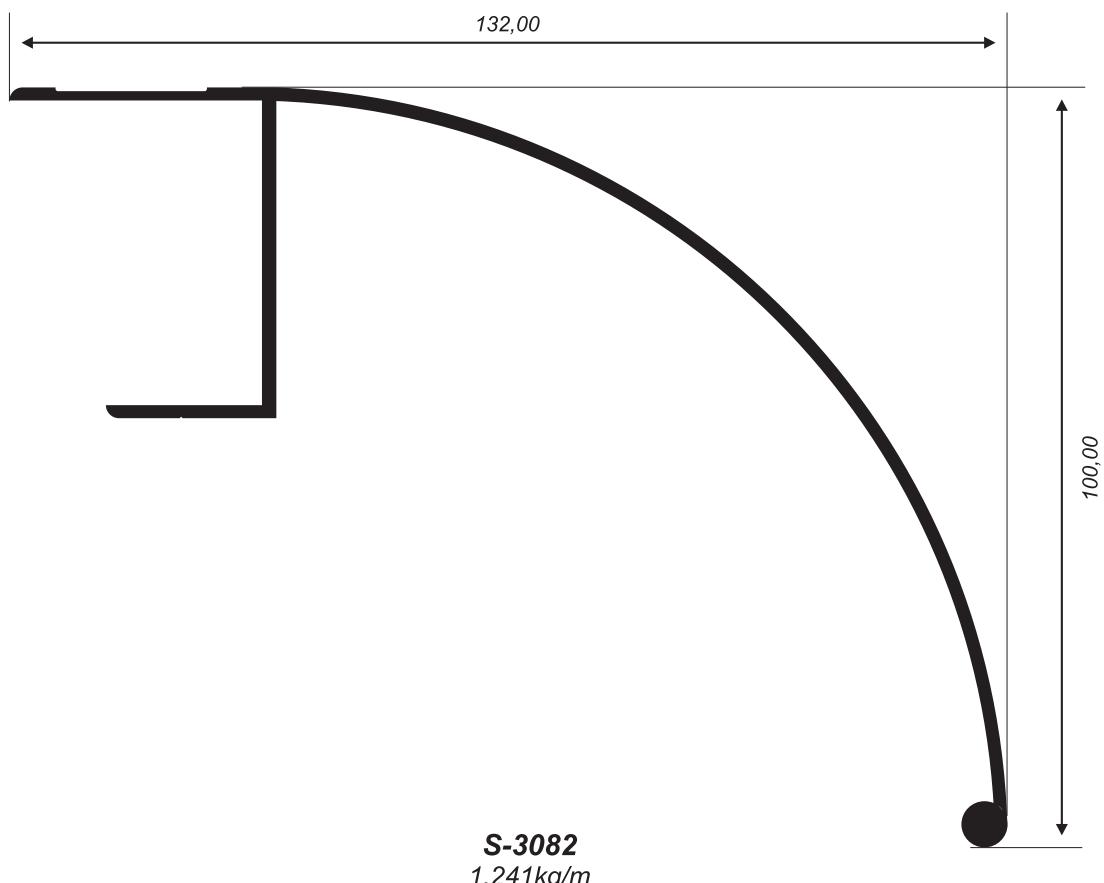
T-3570
0,304kg/m



T-3593
0,306kg/m



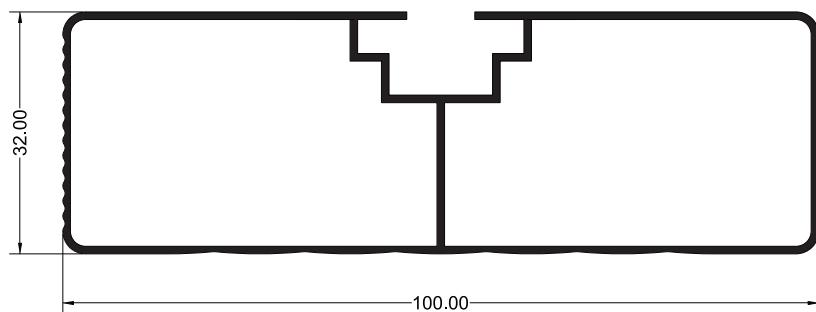
T-3081
1,718kg/m



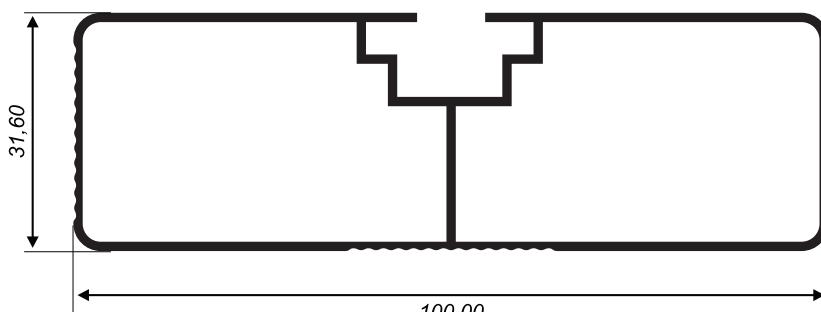
S-3082
1,241kg/m



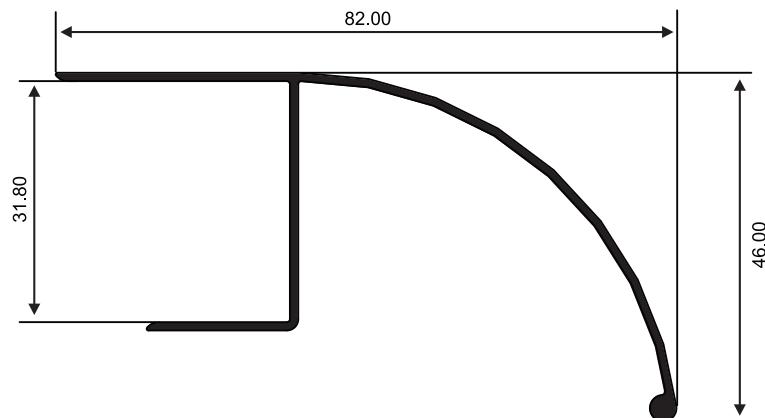
CARROCERIAS ARREMATES



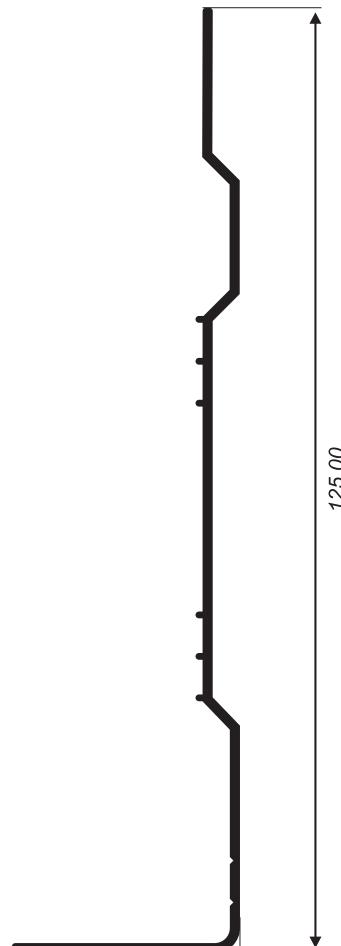
T-3571
0,796kg/m



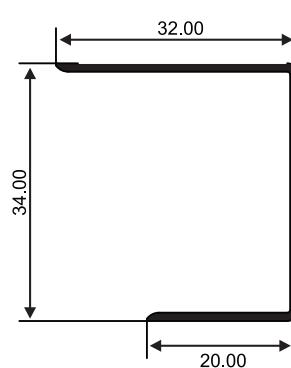
T-4193
1,099kg/m



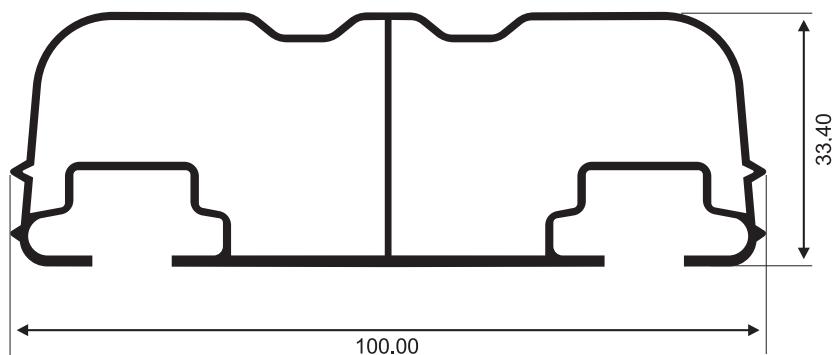
S-3572
0,482kg/m



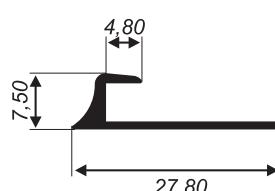
S-4227
0,523kg/m



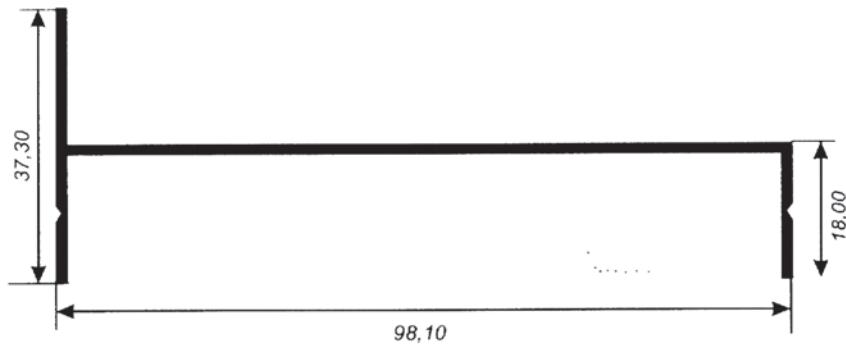
S-3573
0,244kg/m



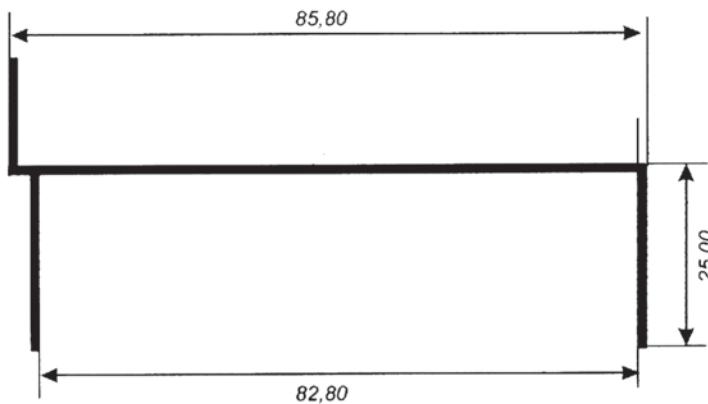
T-3687
1,066kg/m



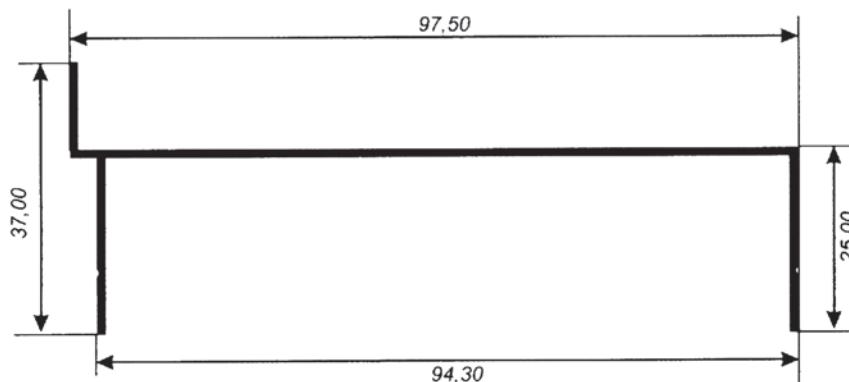
S-4228
0,123kg/m



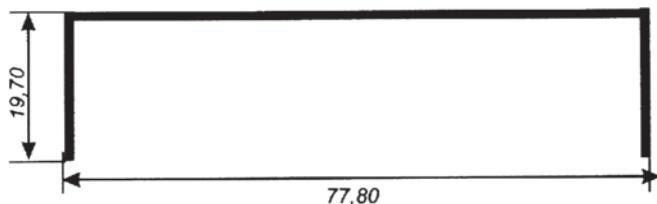
S-0814
0,528kg/m



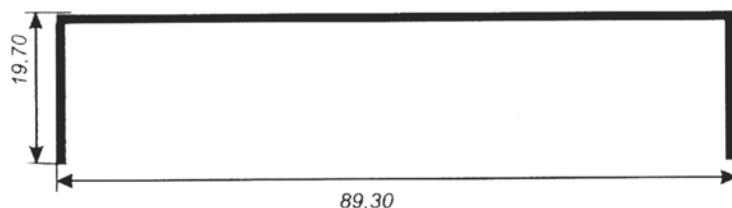
S-1097
0,403kg/m



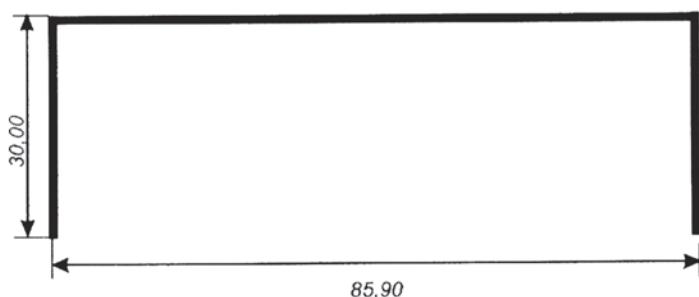
S-1098
0,423kg/m



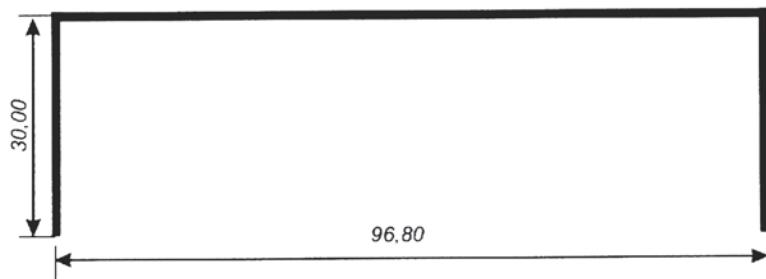
S-1151
0,311kg/m



S-1152
0,342kg/m

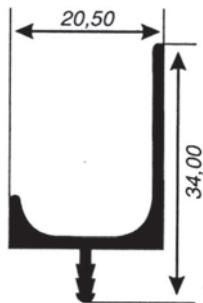


S-1153
0,388kg/m

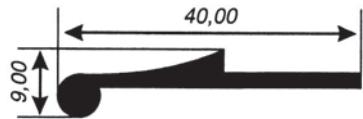


S-1154
0,417kg/m

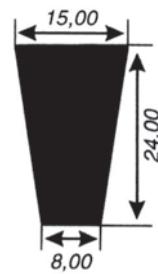
PUXADORES



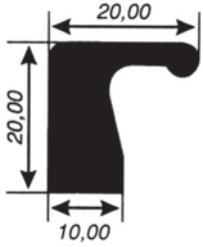
S-1458
0,272kg/m



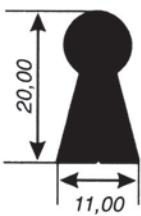
S-1519
0,297kg/m



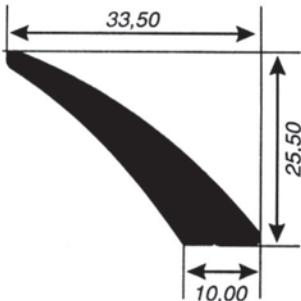
S-1770
0,747kg/m



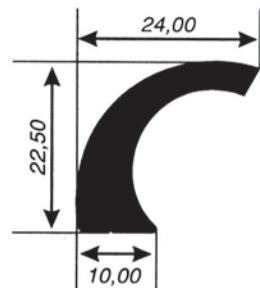
S-1771
0,592kg/m



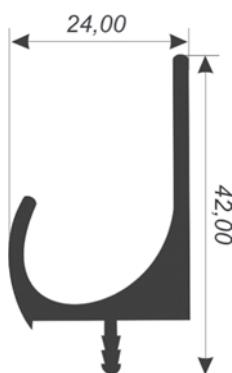
S-1772
0,421kg/m



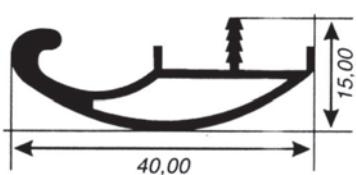
S-1779
0,604kg/m



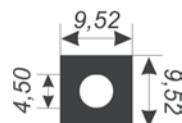
S-1780
0,508kg/m



S-1904
0,541kg/m

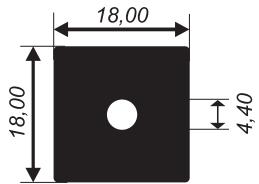


T-1674
0,364kg/m

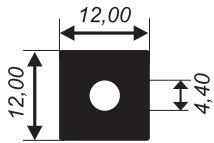


T-1824
0,202kg/m

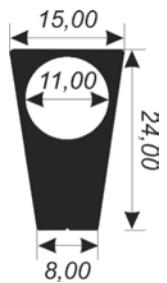




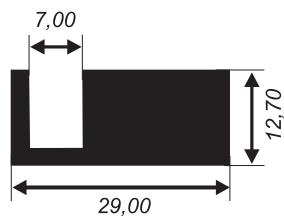
T - 2307
0,833kg/m



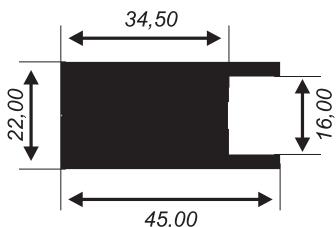
T - 2308
0,347kg/m



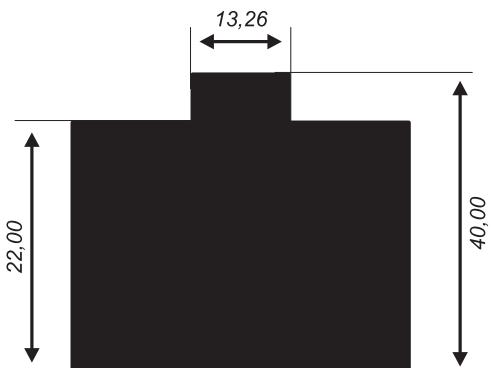
T-1994
0,490kg/m



S - 2290
0,801kg/m



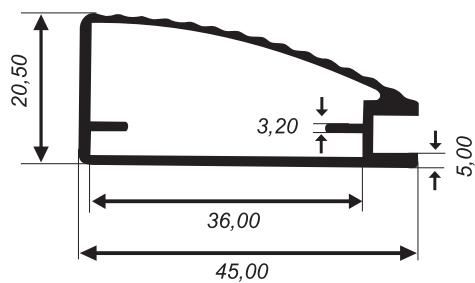
S-2814
2,216kg/m



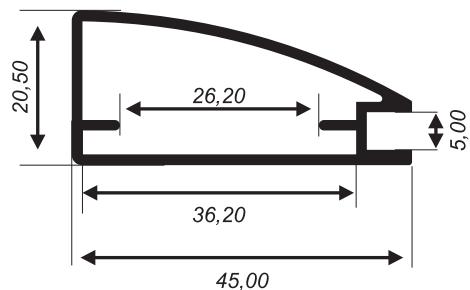
S-2815
4,313kg/m



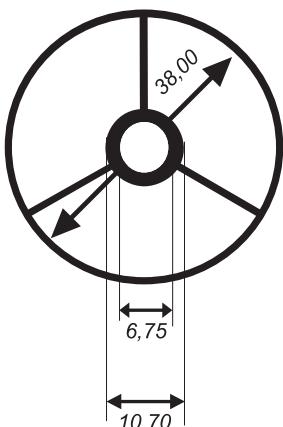
ACESSÓRIOS PARA MÓVEIS



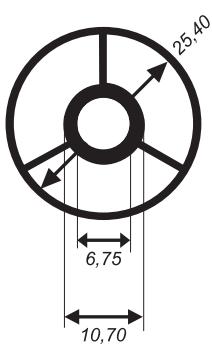
T-1487
0,486kg/m



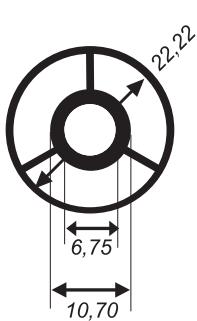
T-2506
0,504kg/m



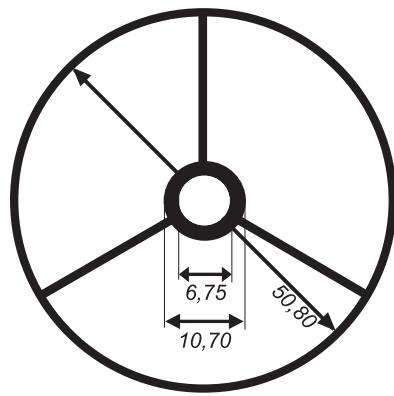
T-2226
0,563kg/m



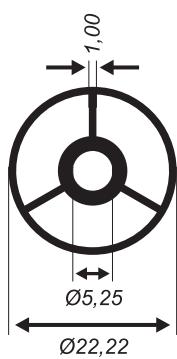
T-2322
0,404kg/m



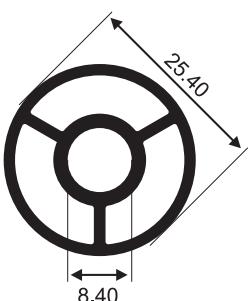
T-2323
0,364kg/m



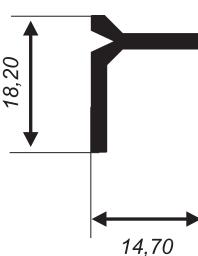
T-2361
0,723kg/m



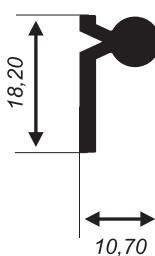
T-3016
0,359kg/m



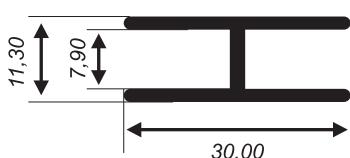
T-3768
0,687kg/m



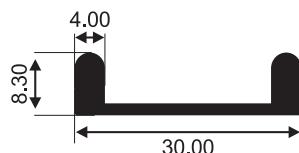
S-2538
0,181kg/m



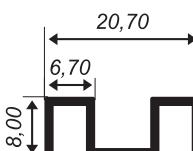
S-2539
0,212kg/m



S-2537
0,314kg/m



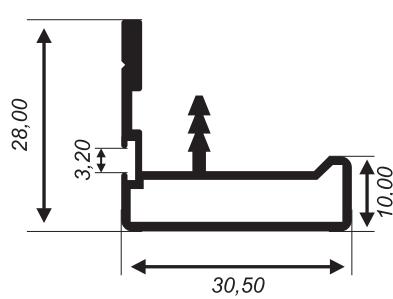
T-3759
0,259kg/m



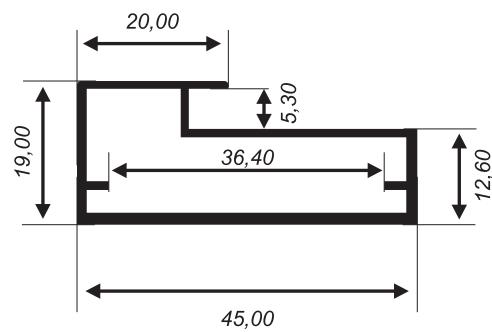
S-3957
0,150kg/m



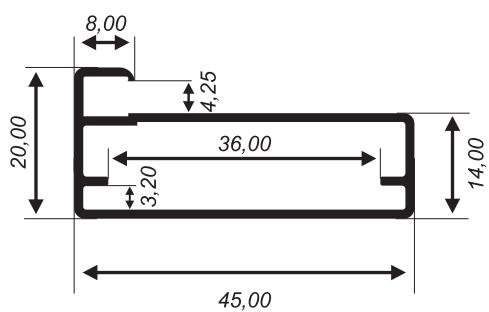
ACESSÓRIOS PARA MÓVEIS



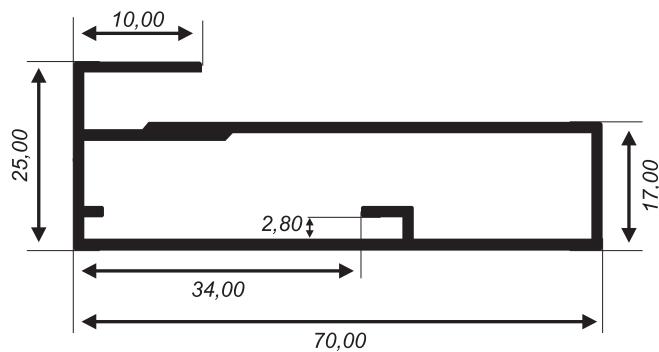
T-2570
0,407kg/m



T-2543
0,460kg/m



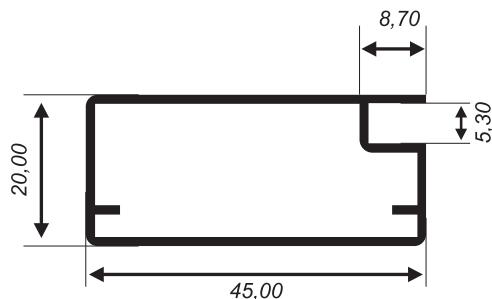
T-2544
0,425kg/m



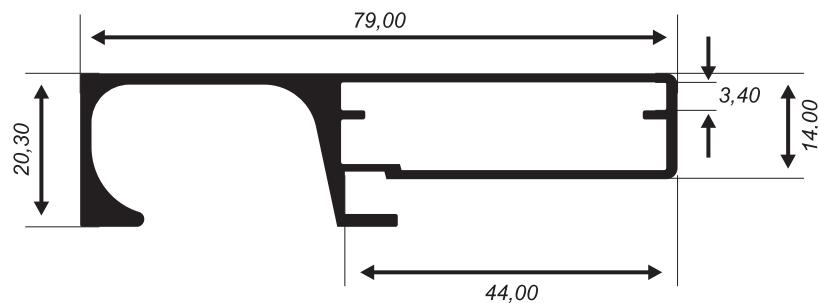
T-2546
0,826kg/m



T-2638
0,441kg/m

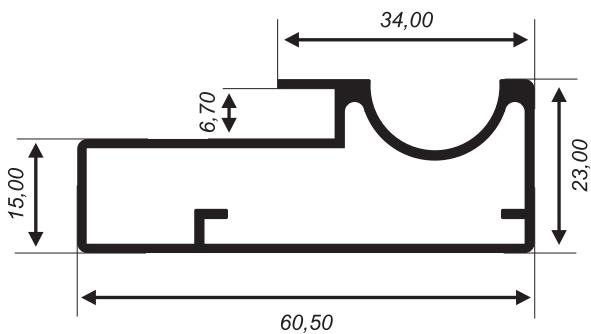


T-2639
0,446kg/m

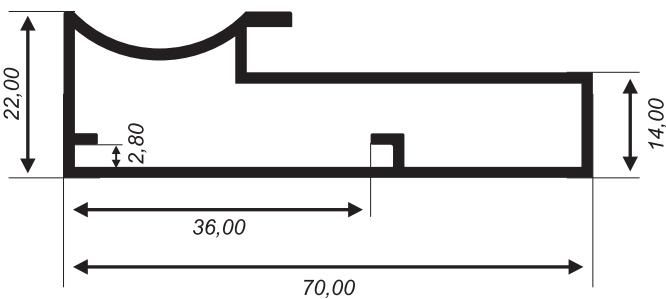


T-2953
0,845kg/m

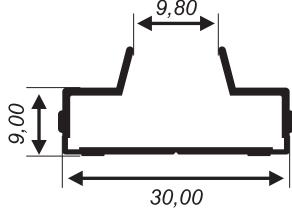
ACESSÓRIOS PARA MÓVEIS



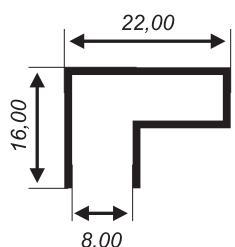
T-2505
0,608kg/m



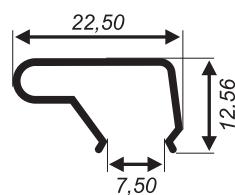
T-2545
0,801kg/m



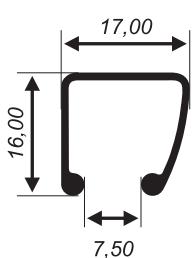
S-0651
0,207kg/m



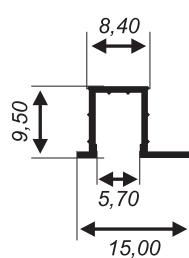
S-1436
0,172kg/m



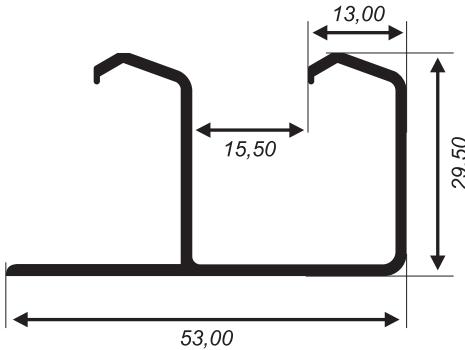
S-1601
0,140kg/m



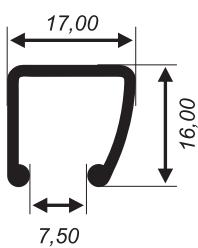
1-0908-5
0,151kg/m



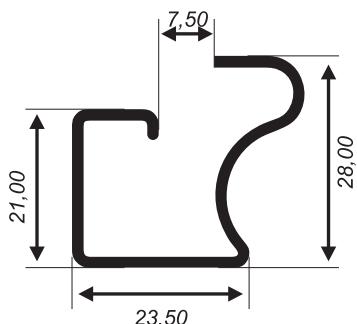
S-2558
0,081kg/m



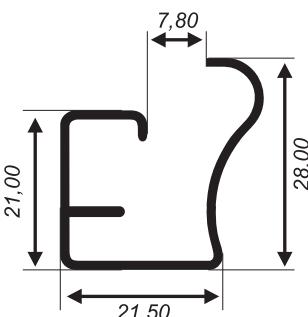
T-2569
0,516kg/m



S-0652
0,202kg/m



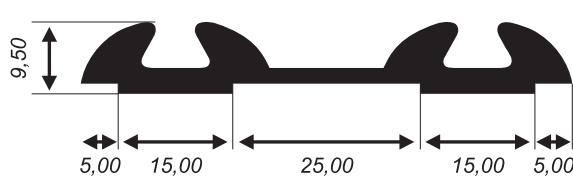
S-0653
0,381kg/m



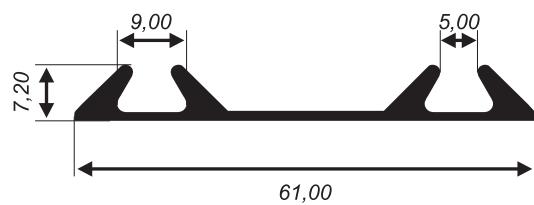
S-0909
0,293kg/m



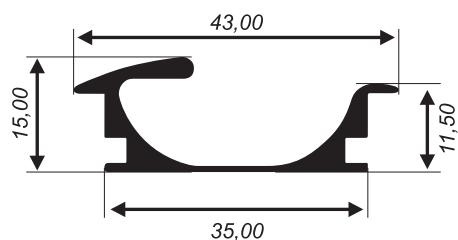
ACESSÓRIOS PARA MÓVEIS



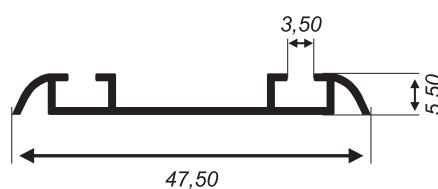
S-0640
0,868kg/m



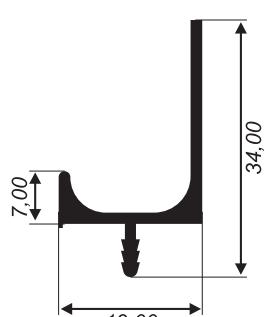
S-0910
0,418kg/m



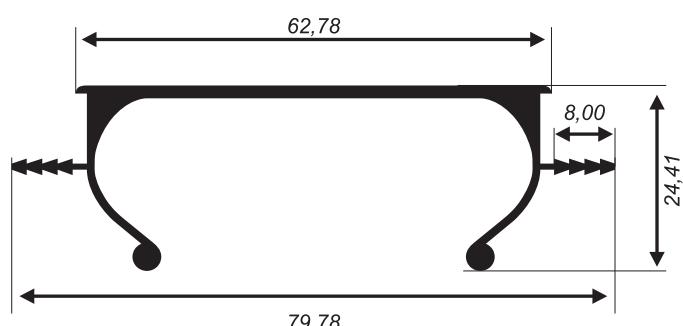
T-2461
0,378kg/m



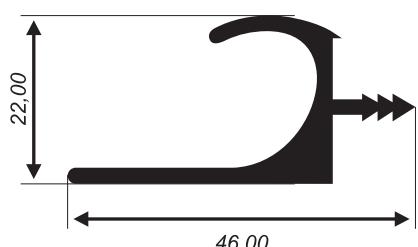
T-2600
0,206kg/m



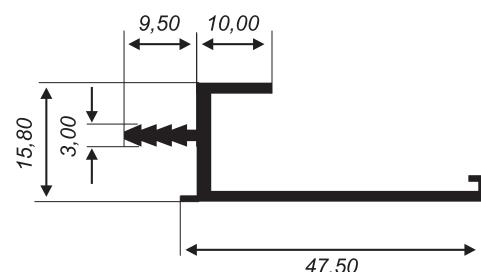
S-0349
0,267kg/m



S-2380
0,655kg/m

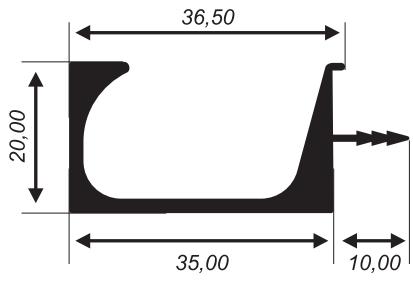


S-1800
0,523kg/m

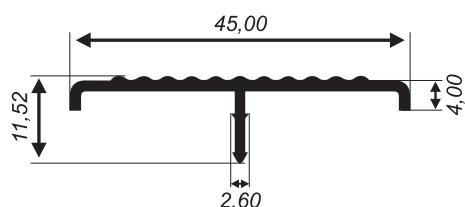


S-3035
0,326kg/m

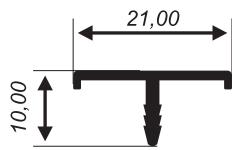
ACESSÓRIOS PARA MÓVEIS



S-2535
0,560kg/m



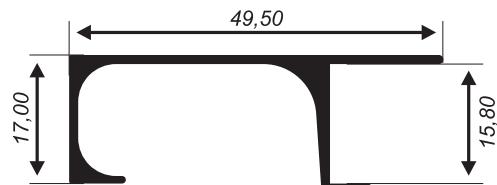
S-2406
0,262kg/m



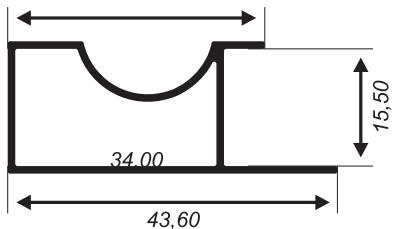
S-2586
0,124kg/m



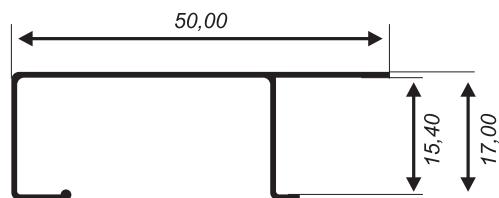
S-2951
0,477kg/m



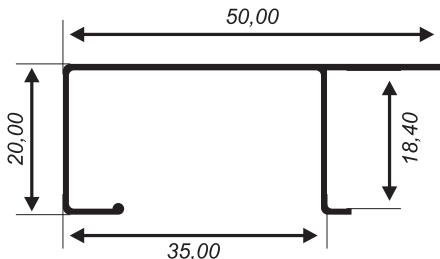
S-2952
0,373kg/m



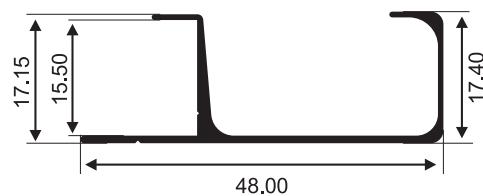
S-2947
0,313kg/m



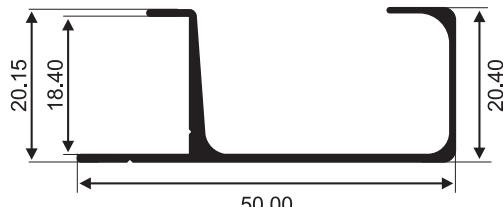
S-3026
0,202kg/m



S-3027
0,215kg/m



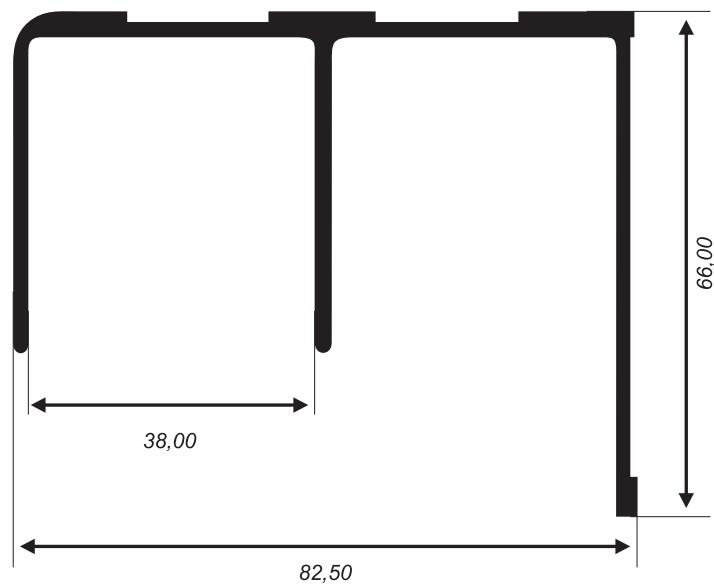
S-3693
0,259kg/m



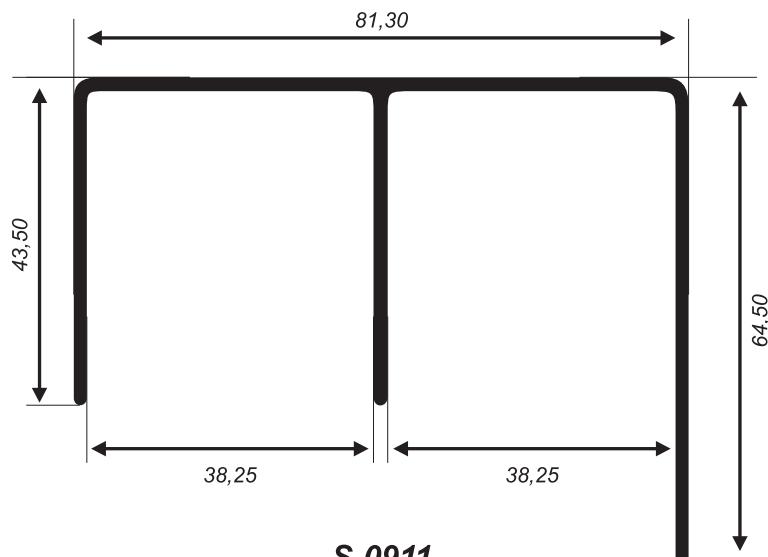
S-3694
0,284kg/m



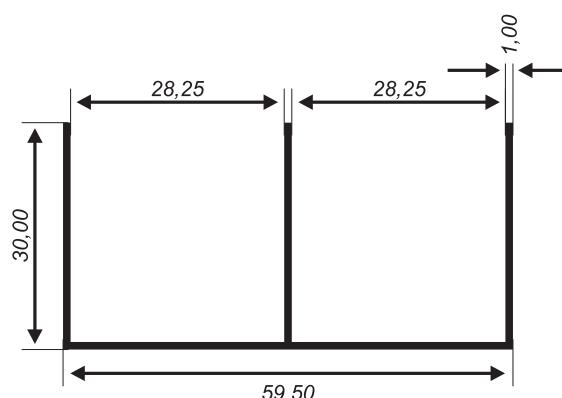
ACESSÓRIOS PARA MÓVEIS



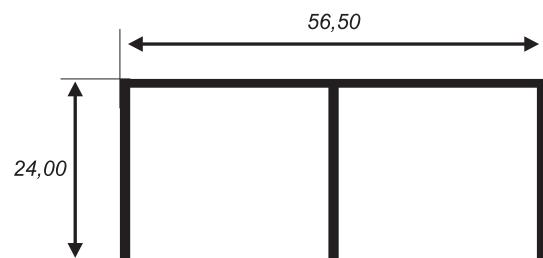
S-0641
1,397kg/m



S-0911
0,977kg/m



S-2817
0,396kg/m

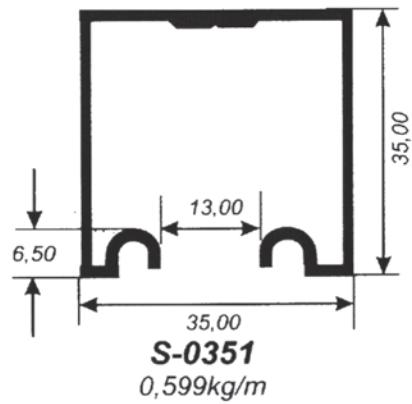


T-2601
0,405kg/m

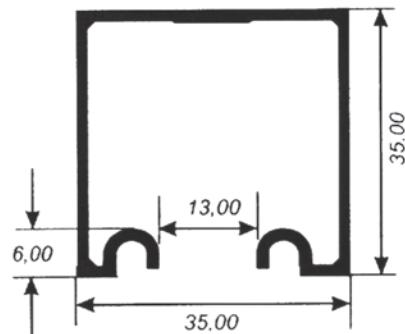


PERFIL METAL

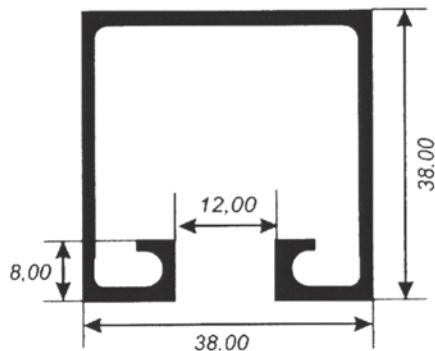
PORTRAS DE CORRER



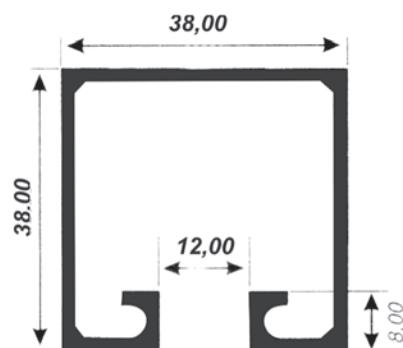
S-0351
0,599kg/m



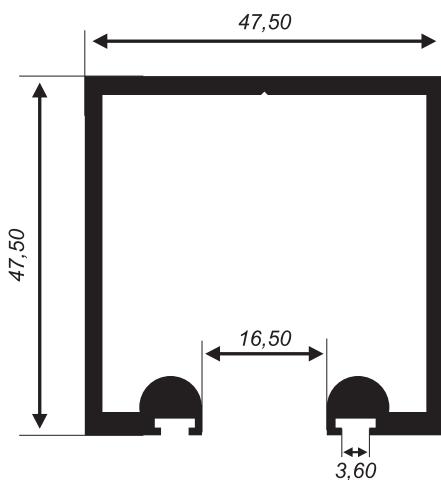
S-1416
0,413kg/m



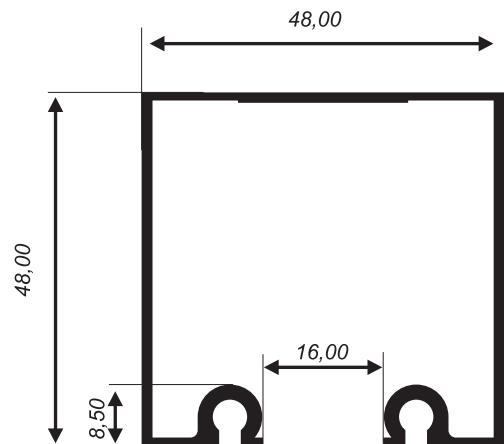
S-0342
0,765kg/m



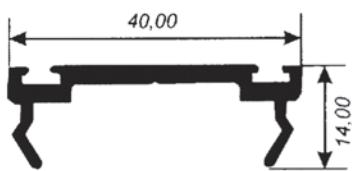
S-1673
0,796kg/m



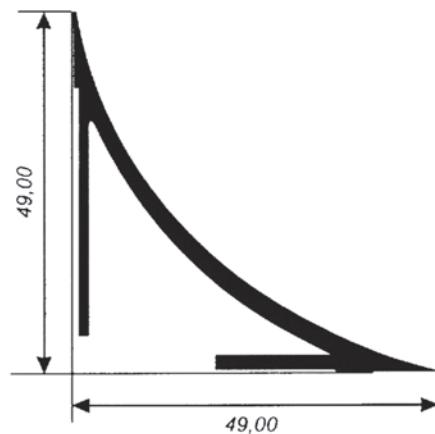
S-2587
1,228kg/m



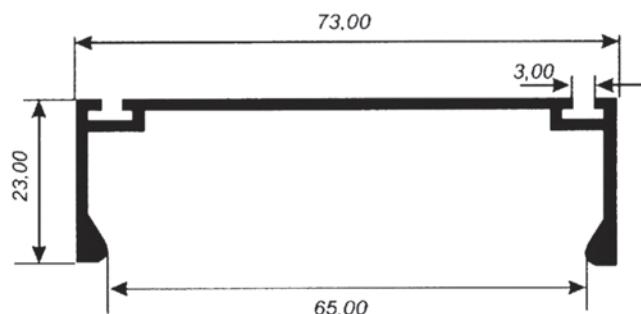
S-3089
0,813kg/m



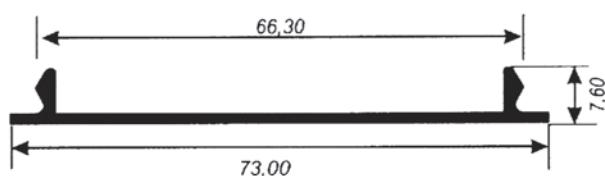
S-0231
0,380kg/m



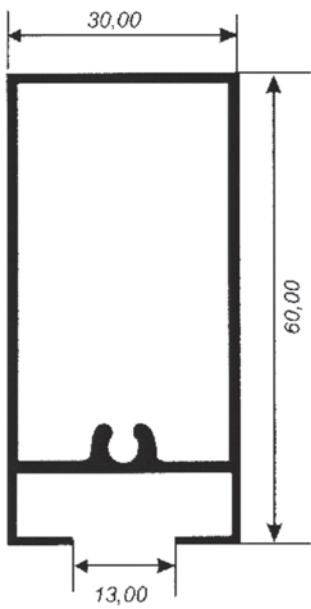
S-0529
0,712kg/m



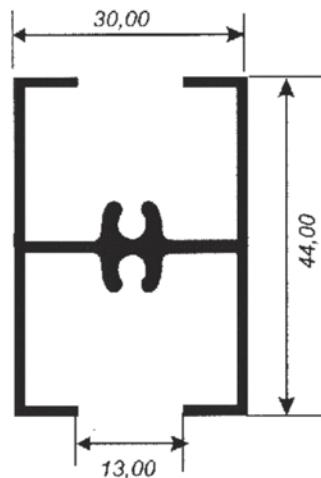
S-0881
0,521kg/m



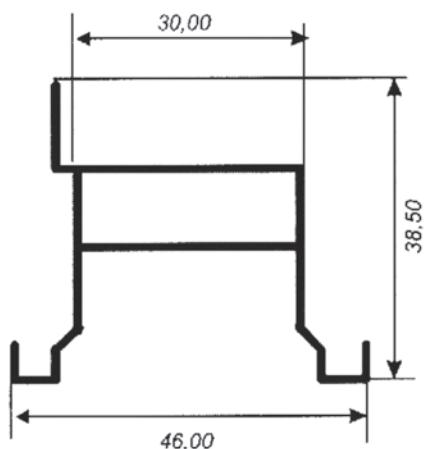
S-0882
0,297kg/m



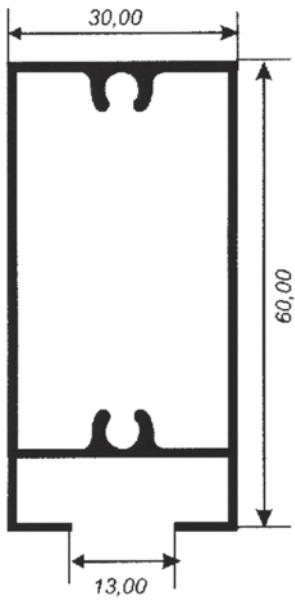
T-0112
0,832kg/m



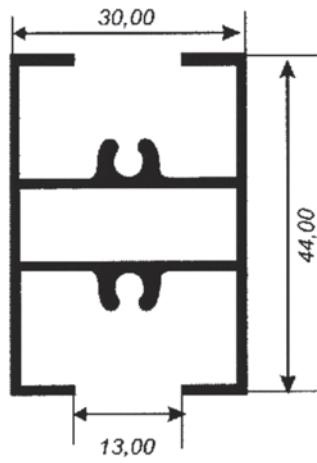
S-0113
0,676kg/m



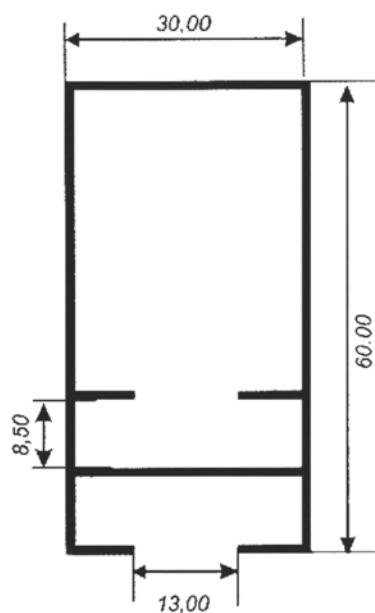
T-0374
0,551kg/m



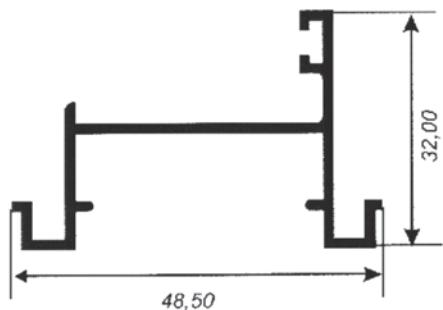
T-0375
0,815kg/m



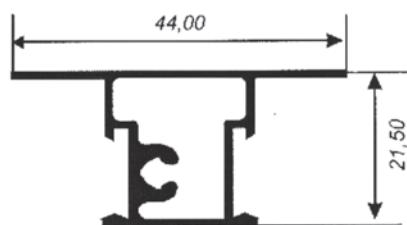
T-0376
0,745kg/m



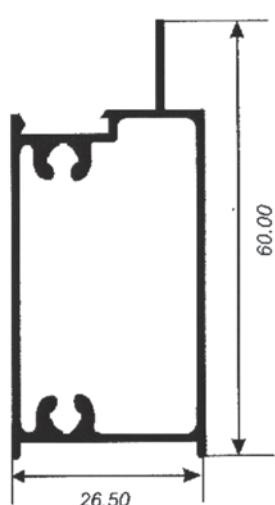
T-0531
0,663kg/m



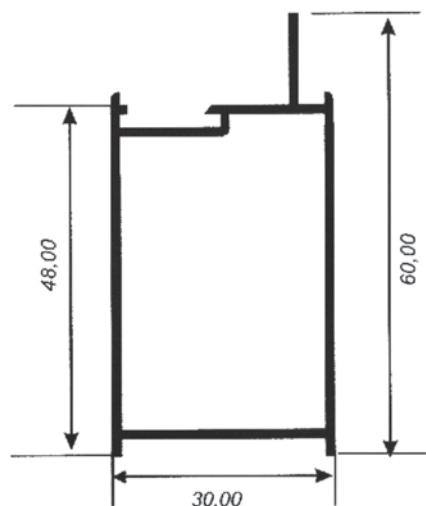
S-0811
0,536kg/m



T-0833
0,442kg/m

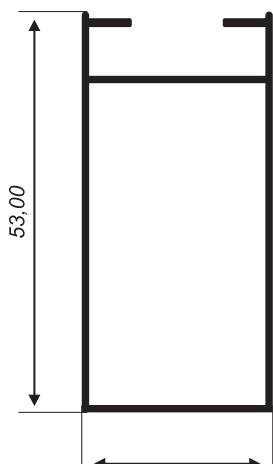


T-0834
0,645kg/m

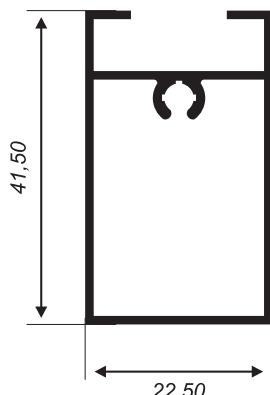


T-0835
0,582kg/m

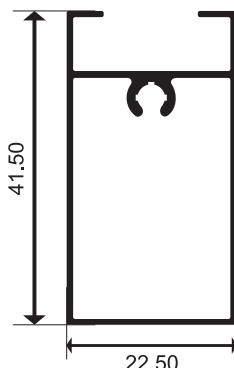




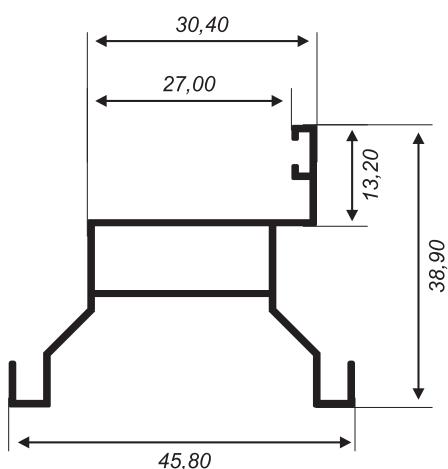
T-1505
0,485kg/m



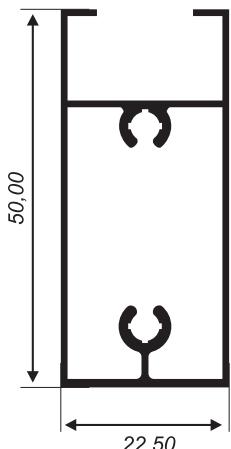
T-1506
0,436kg/m



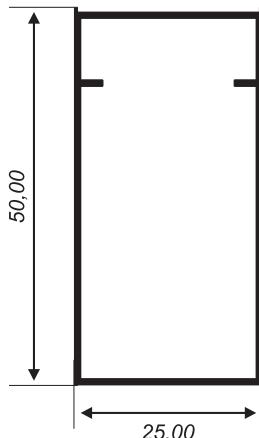
T-3825
0,297kg/m



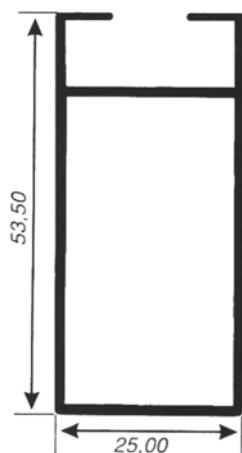
T-1507
0,388kg/m



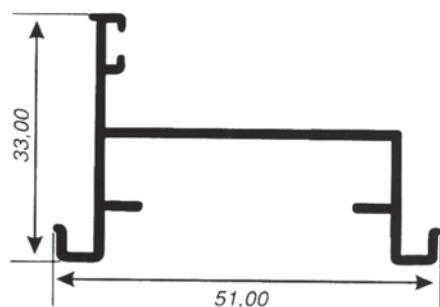
T-1510
0,518kg/m



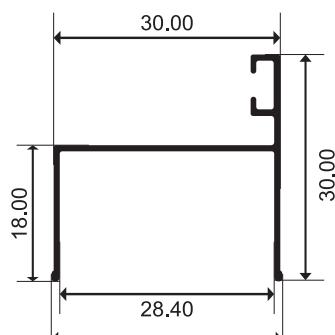
T-1511
0,409kg/m



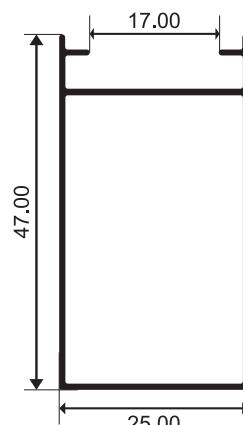
T-1637
0,533kg/m



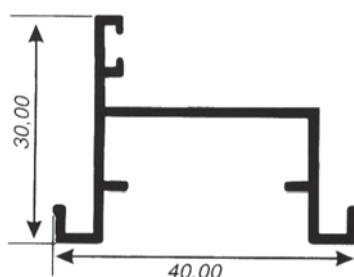
S-1638
0,430kg/m



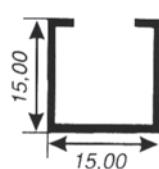
T-3718
0,179kg/m



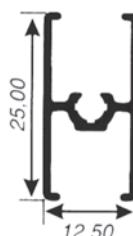
T-3719
0,300kg/m



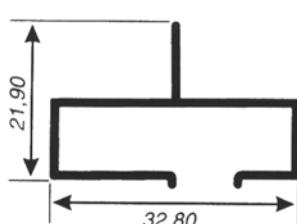
S-1667
0,371kg/m



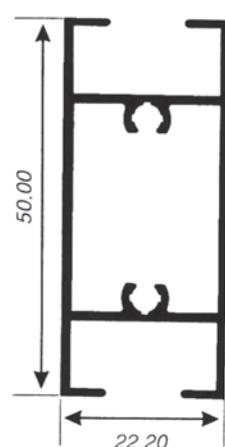
S-1668
0,136kg/m



S-1669
0,202kg/m



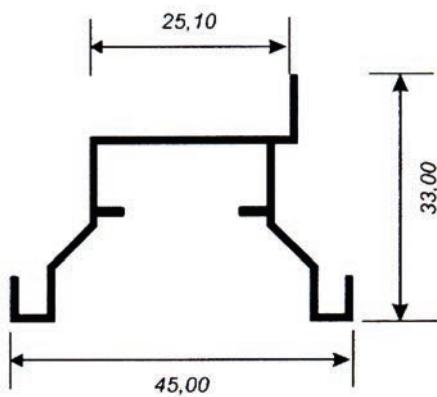
S-1670
0,257kg/m



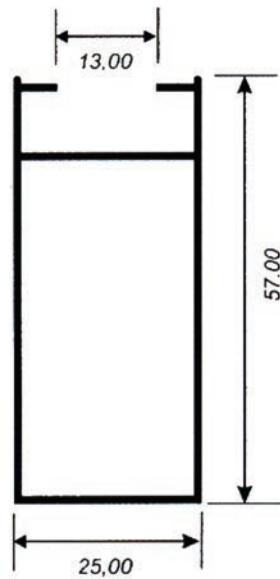
T-1671
0,560kg/m



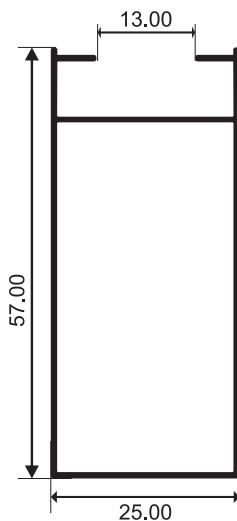
PORtas LEVES



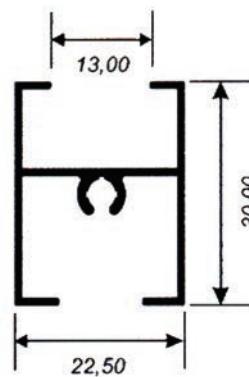
S-1332
0,312kg/m



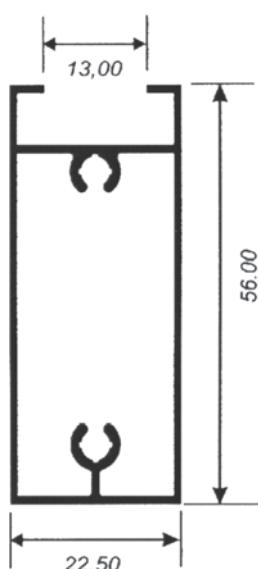
T-1333
0,509kg/m



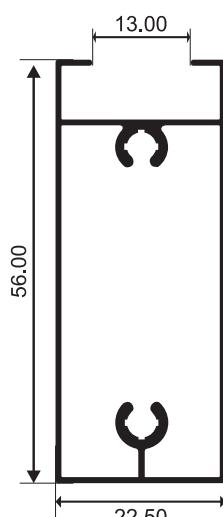
T-3798
0,369kg/m



S-1425
0,284kg/m



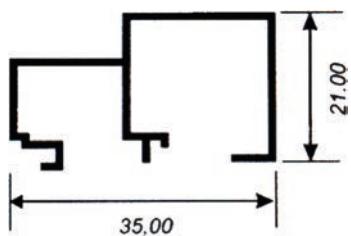
T-1426
0,591kg/m



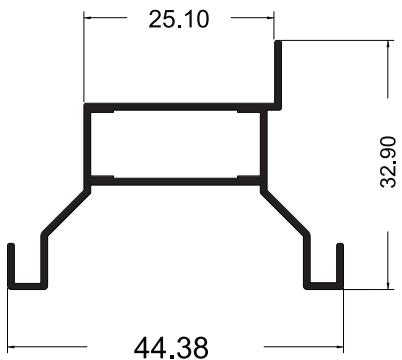
T-3799
0,467kg/m



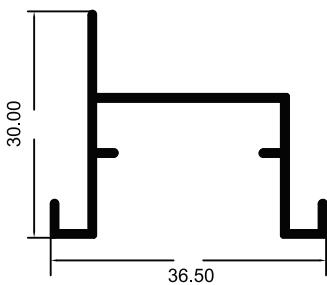
PORTAS LEVES



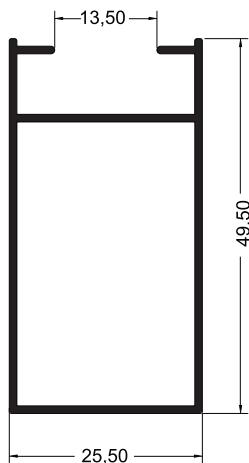
S-1496
0,286kg/m



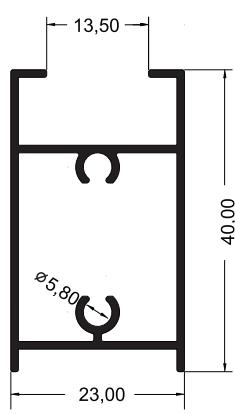
T-3246
0,319kg/m



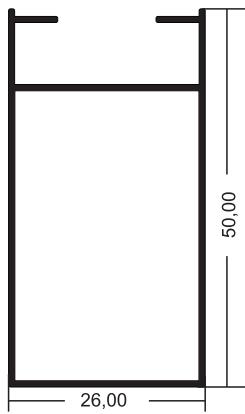
S-3506
0,211kg/m



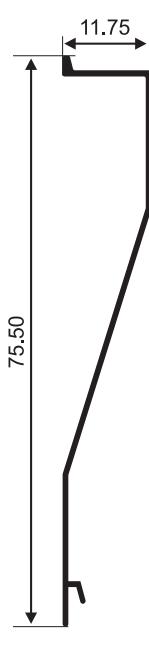
T-3507
0,420kg/m



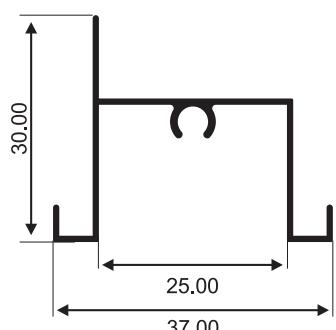
T-3539
0,410kg/m



T-3590
0,346kg/m



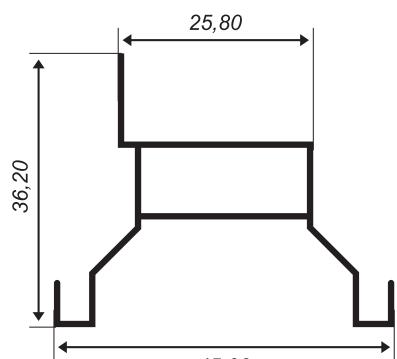
S-3786
0,190kg/m



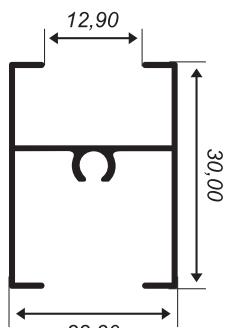
S-3787
0,217kg/m



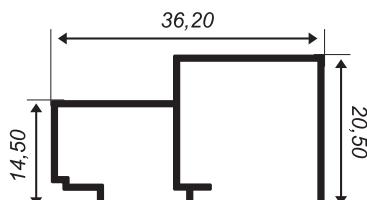
S-3788
0,359kg/m



T-3837
0,302kg/m

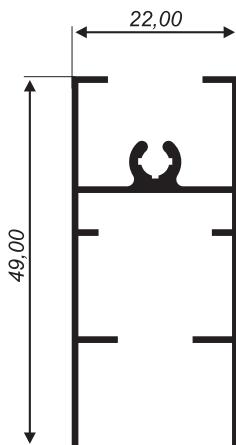


S-3905
0,233kg/m

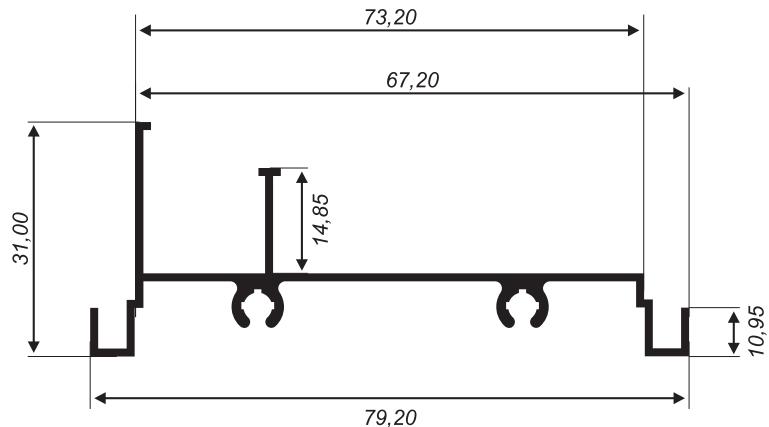


S-3906
0,261kg/m

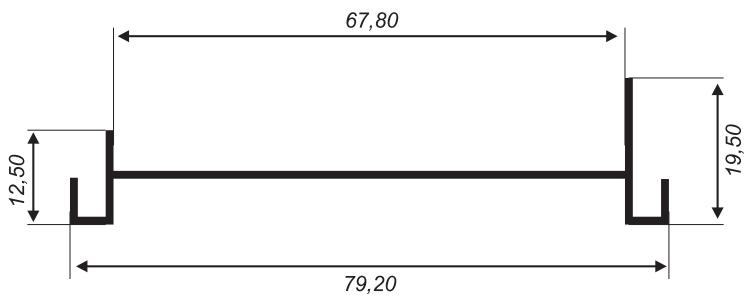
PORTAS LEVES



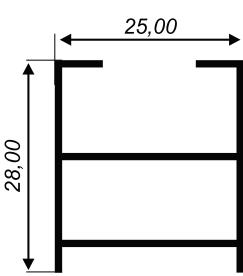
S-4315
0,372kg/m



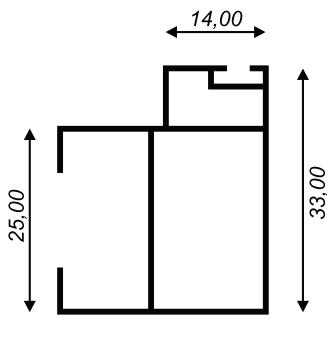
S-4316
0,488kg/m



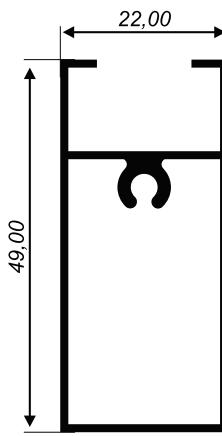
S-4317
0,306kg/m



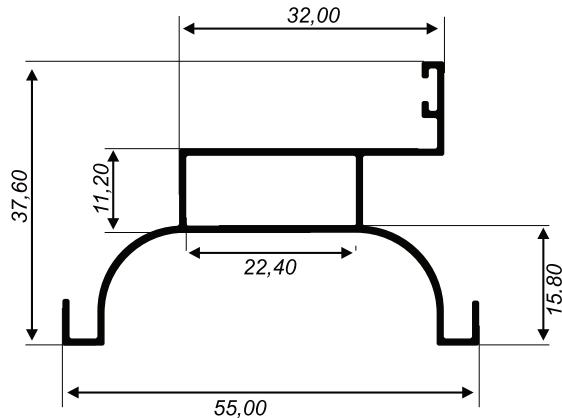
T-4319
0,246kg/m



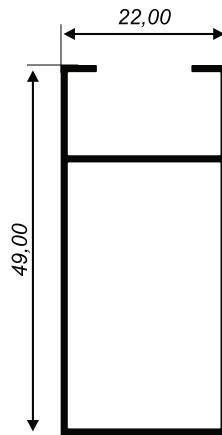
T-4320
0,293kg/m



T-4318
0,386kg/m



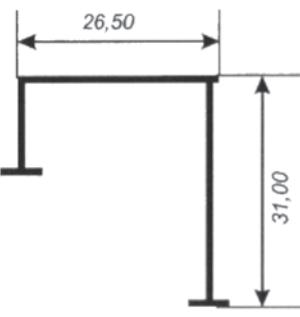
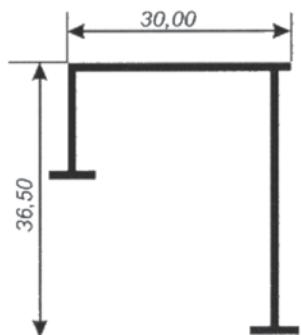
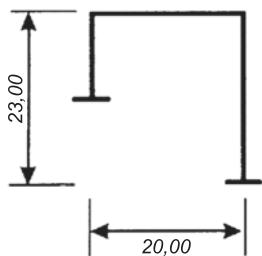
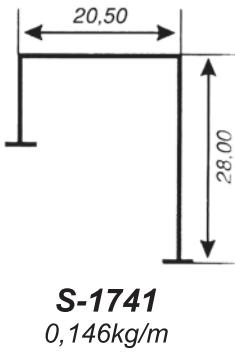
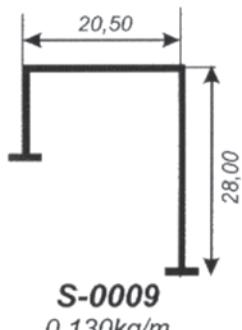
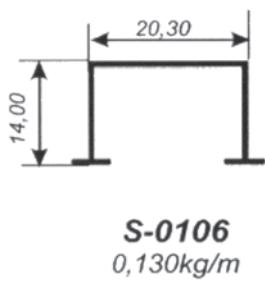
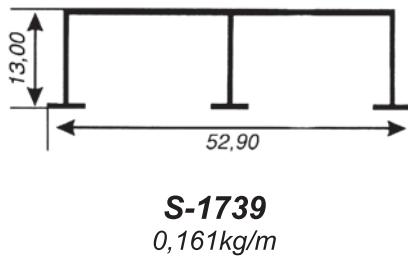
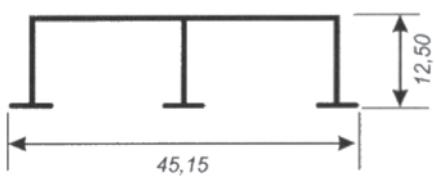
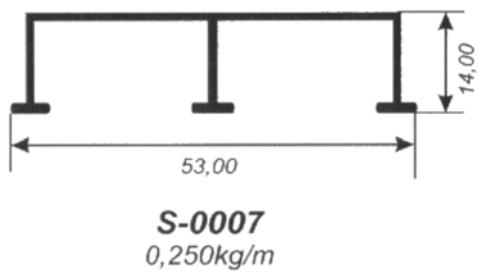
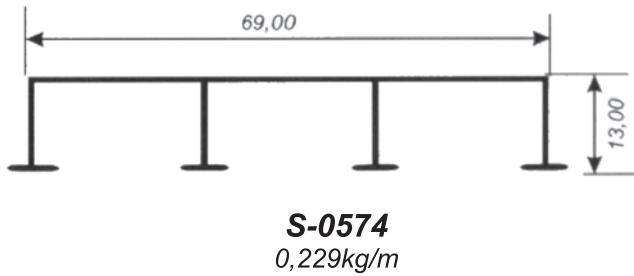
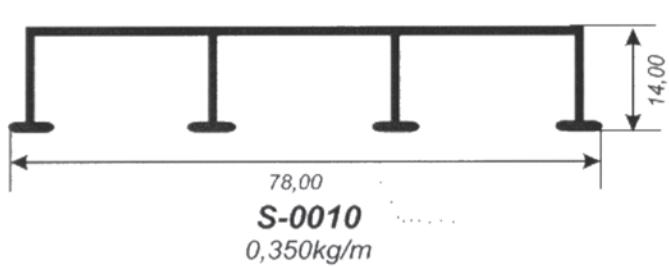
T-4345
0,390kg/m



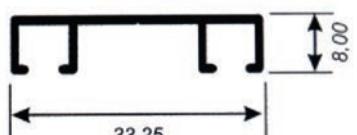
T-4321
0,317kg/m



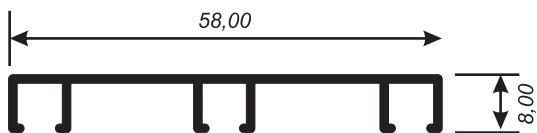
TRILHO DE CORTINA



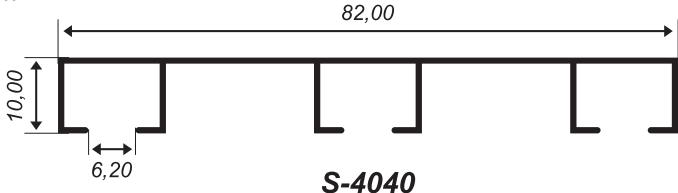
TRILHO DE CORTINA



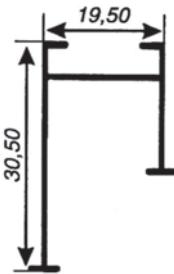
A-040/S-0950
0,208kg/m



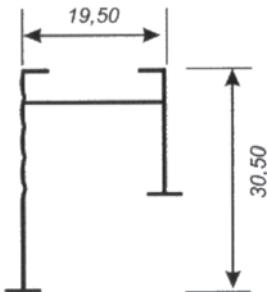
A-050/S-0949
0,341kg/m



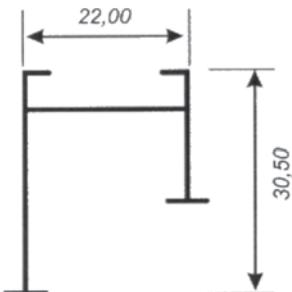
S-4040
0,350kg/m



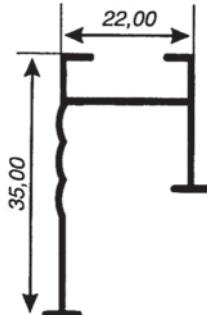
S-1744/A-0051
0,112kg/m



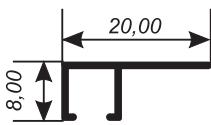
A-052
0,112kg/m



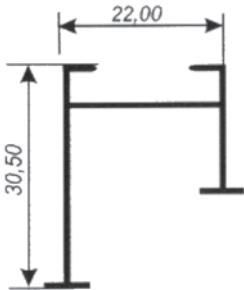
A-053
0,162kg/m



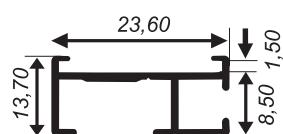
A-063
0,227kg/m



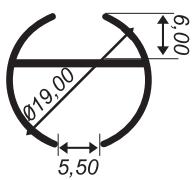
A-067 / S-4309
0,096kg/m



S-1712
0,141kg/m

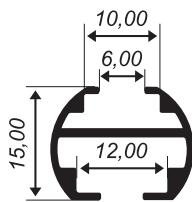


S-2311
0,163kg/m

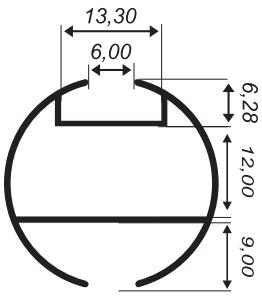


S-3993
0,158kg/m

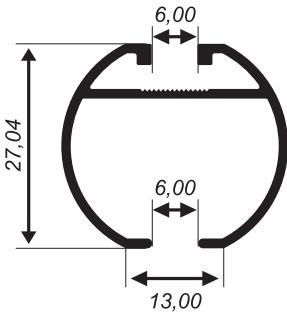
S-0035
0,184kg/m



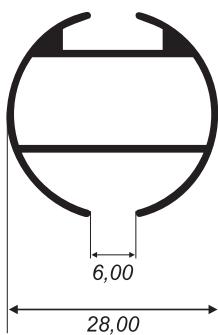
S-3308
0,206kg/m



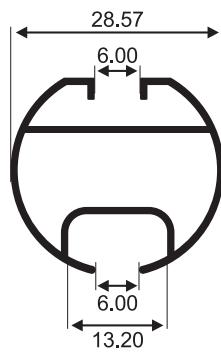
T-4003
0,260kg/m



S-2708
0,366kg/m



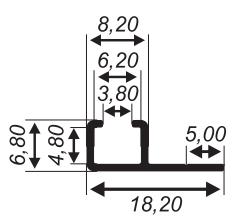
T-3128
0,341kg/m



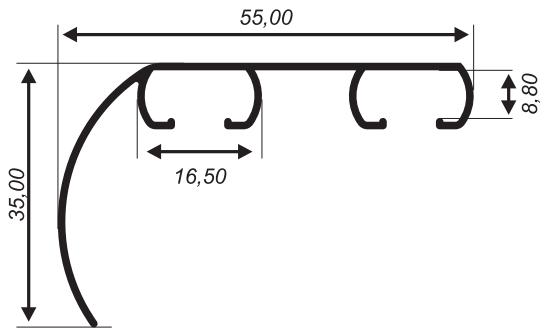
T-3760
0,335kg/m



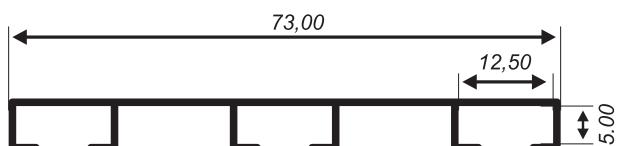
TRILHO DE CORTINA



S-2844
0,085g/m



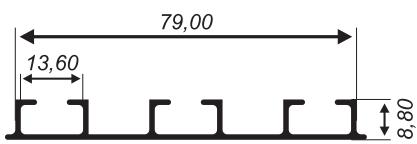
S-2917
0,335kg/m



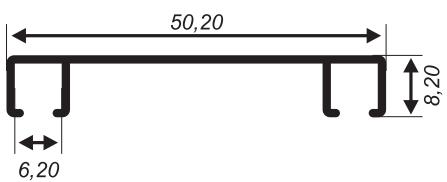
S-3000
0,342kg/m



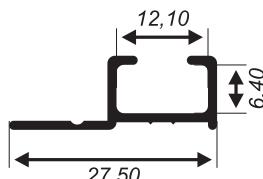
S-2845
0,267kg/m



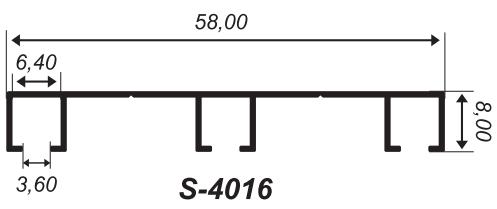
S-2808
0,479kg/m



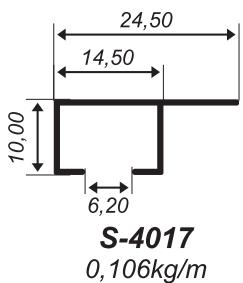
S-2810
0,169kg/m



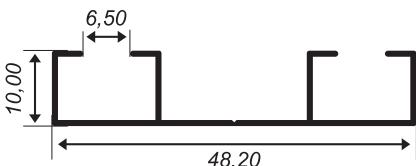
S-2809
0,161kg/m



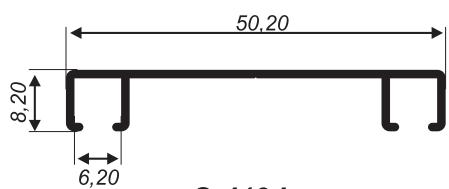
S-4016
0,234kg/m



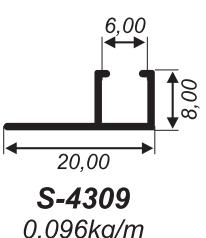
S-4017
0,106kg/m



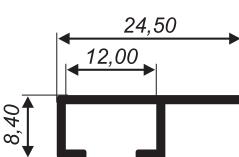
S-4018
0,210kg/m



S-4194
0,242kg/m

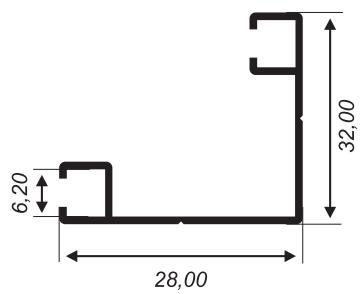


S-4309
0,096kg/m

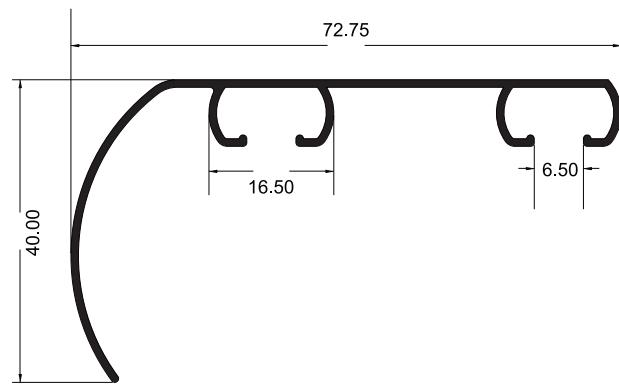


S-4310
0,143kg/m

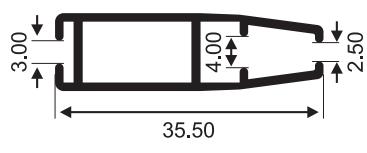


TRILHO DE CORTINA

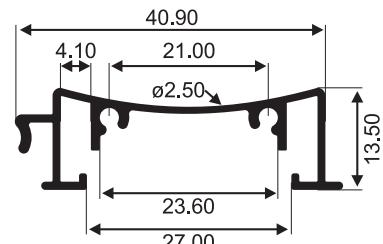
S-3030
0,234kg/m



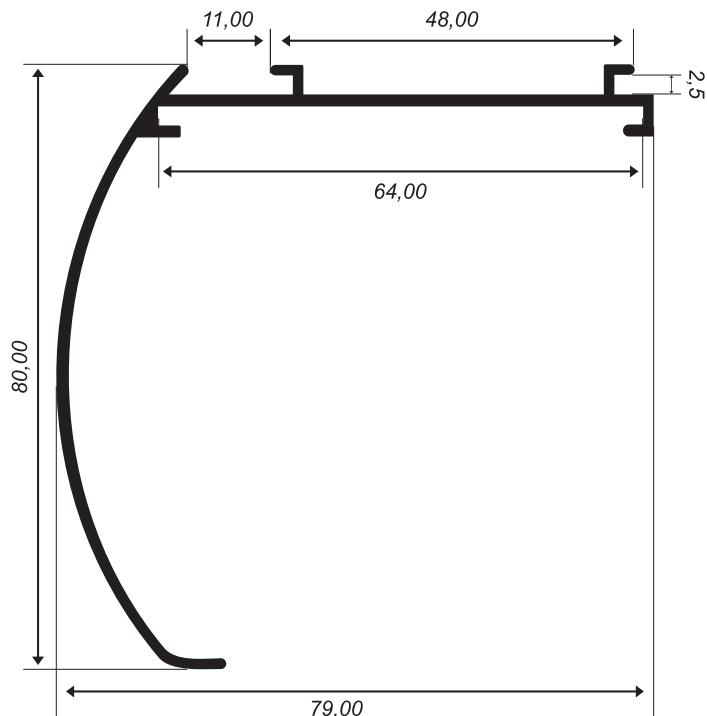
S-3358
0,400kg/m



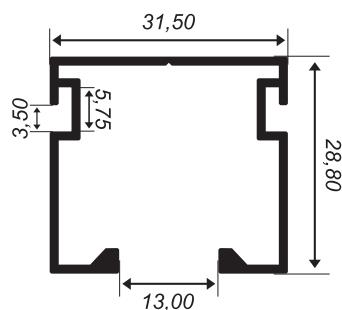
T-3744
0,300kg/m



S-3747
0,296kg/m



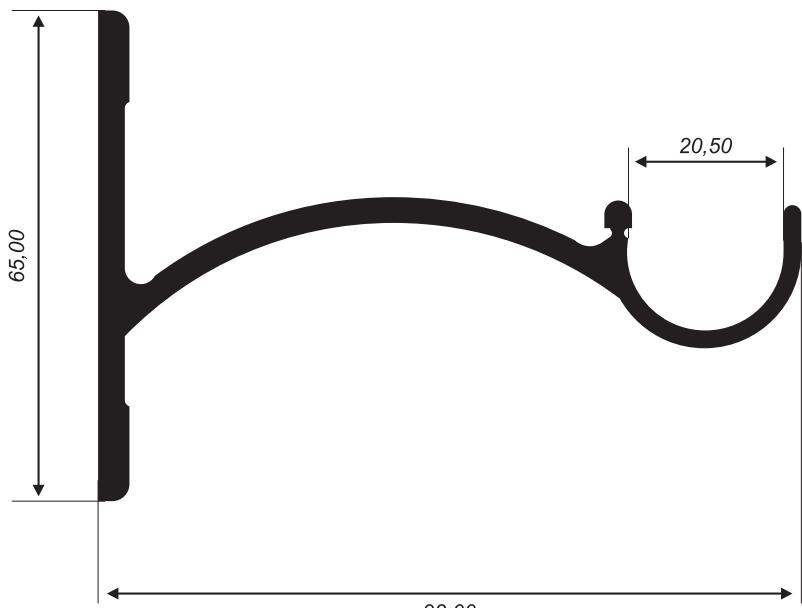
S-3757
0,718kg/m



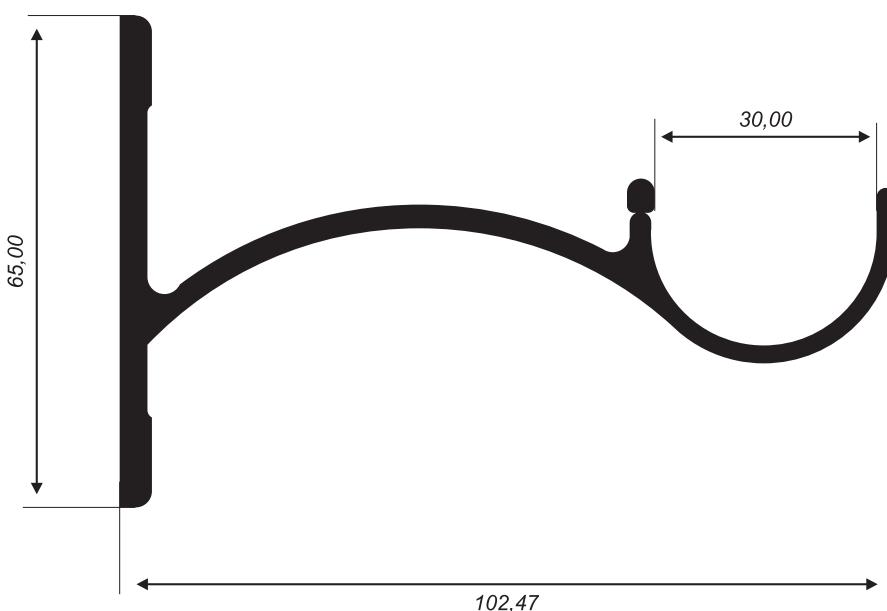
S-4170
0,419kg/m



TRILHO DE CORTINA

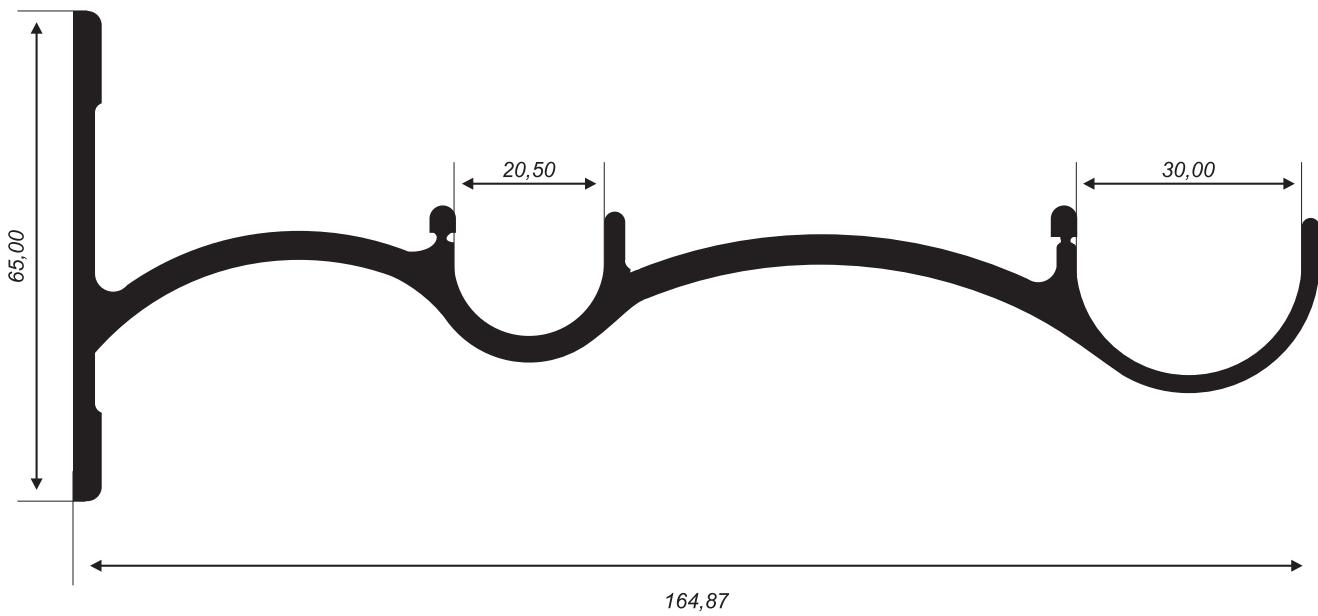


S-2958
1,661kg/m

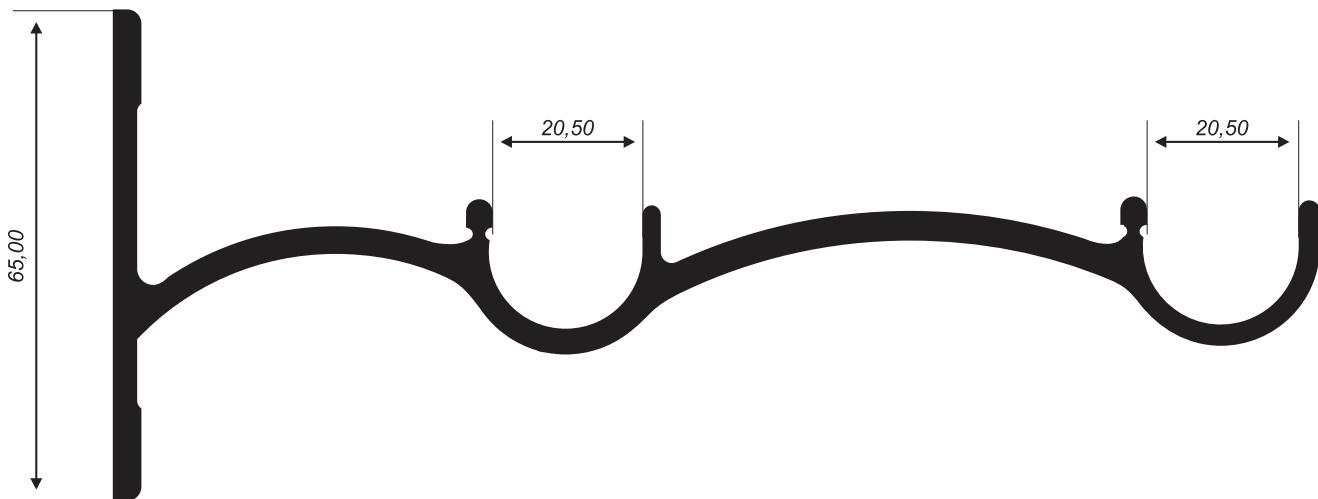


S-2959
1,776kg/m

TRILHO DE CORTINA



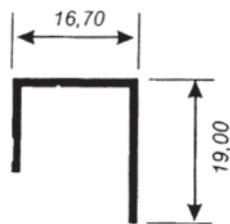
S-2962
2,686kg/m



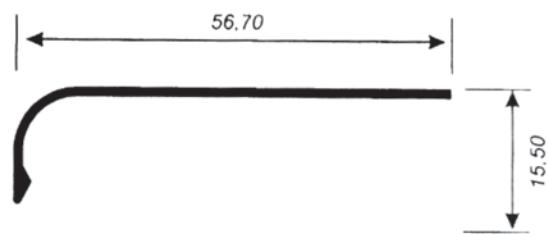
S-2963
2,612kg/m



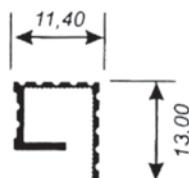
ARREMATE PARA QUADROS



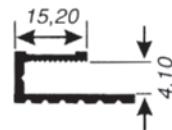
S-1363
0,146kg/m



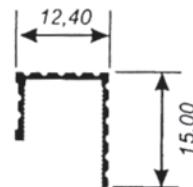
S-1364
0,243kg/m



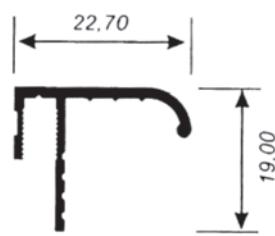
S-1435
0,109kg/m



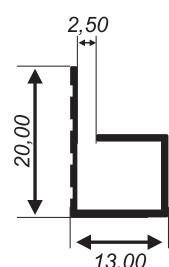
S-1449
0,083kg/m



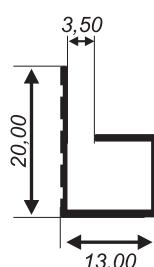
S-1450
0,101kg/m



S-1451
0,183kg/m

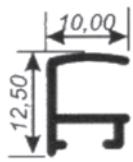


T-2533
0,131kg/m

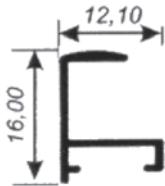


T-2555
0,131kg/m

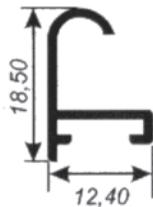
MOLDURA PARA QUADROS



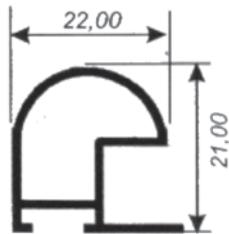
S-0191
0,095kg/m



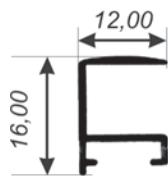
S-0570
0,095kg/m



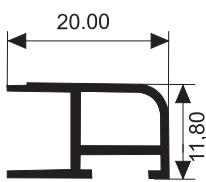
S-0692
0,119kg/m



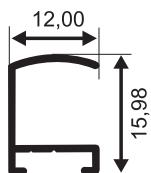
T-0693
0,223kg/m



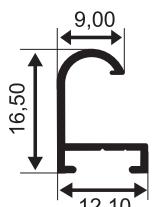
S-1805
0,117kg/m



T-1814
0,163kg/m



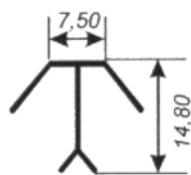
S-2176
0,115kg/m



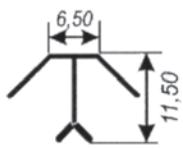
S-2177
0,116kg/m



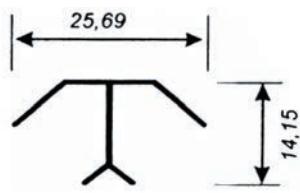
CANTONEIRAS



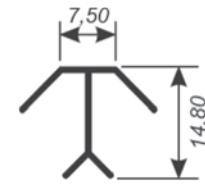
S-0013
0,055kg/m



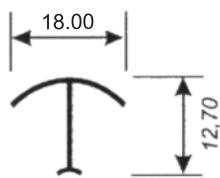
S-0022
0,070kg/m



S-1427
0,113kg/m



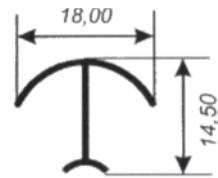
S-2030
0,063kg/m



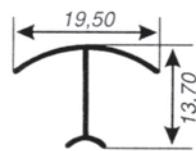
A-0042
0,055kg/m



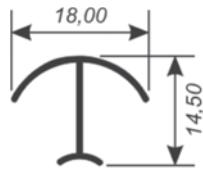
S-0107
0,092kg/m



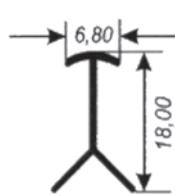
S-0120
0,070kg/m



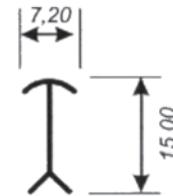
S-1788
0,074kg/m



S-2031
0,050kg/m

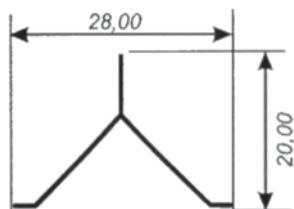


S-0102
0,073kg/m

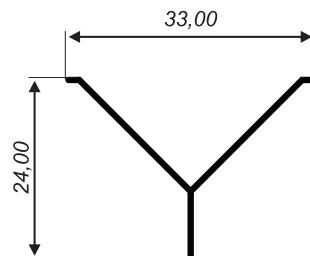


S-1469
0,050kg/m

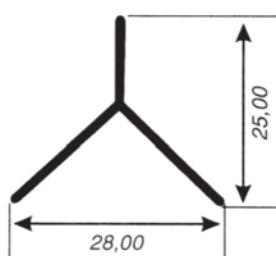
CANTONTEIRAS



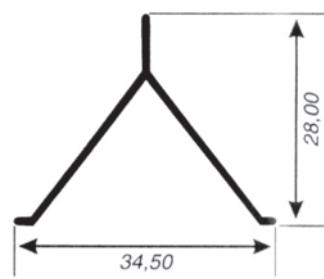
S-0049
0,073kg/m



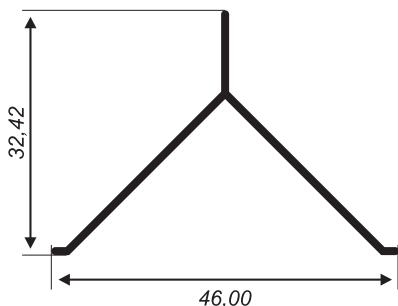
S-0050
0,116kg/m



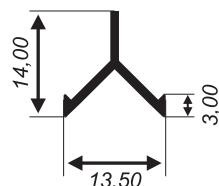
S-0051
0,133kg/m



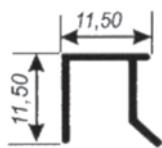
S-0222
0,162kg/m



A-093
0,199kg/m



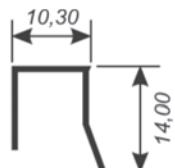
S-2727
0,087g/m



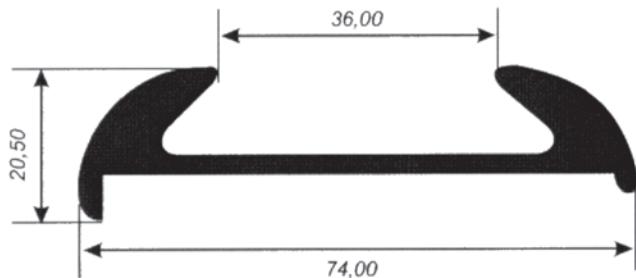
S-0105
0,072kg/m



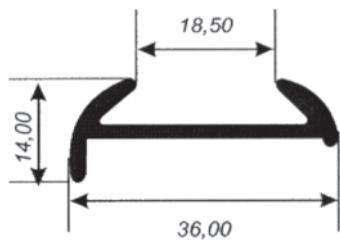
S-1828
0,063kg/m



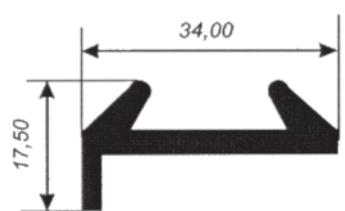
S-1829
0,060kg/m



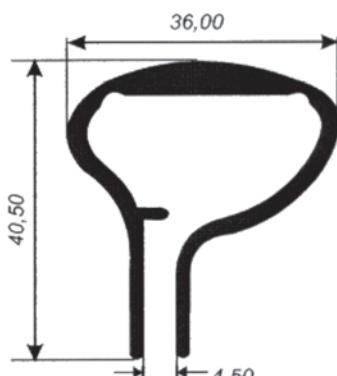
S-0014
1,013kg/m



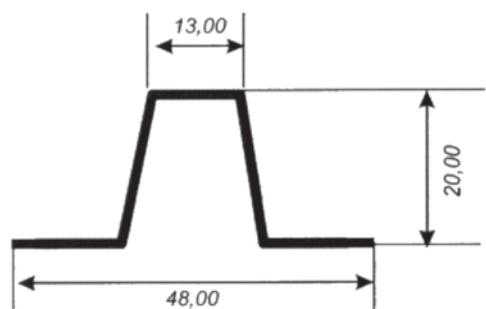
S-0015
0,275kg/m



S-0237
0,462kg/m



S-0706
0,759kg/m

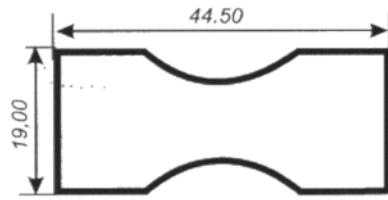


S-0707
0,291kg/m

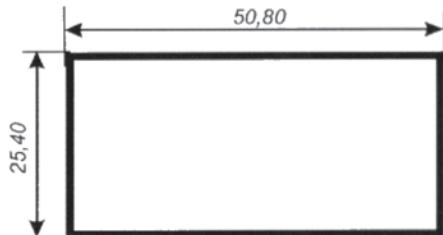


S-1503
1,448kg/m

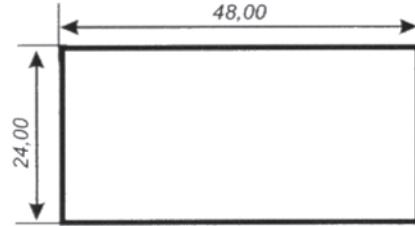
RÉGUA DE PEDREIRO



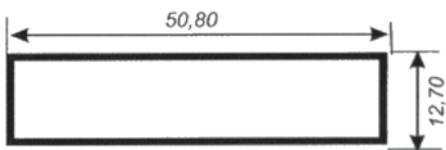
T-0012
0,342kg/m



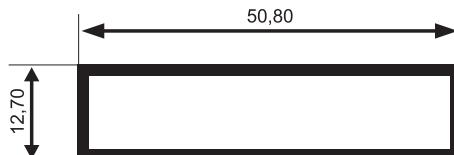
T-0094
0,440kg/m



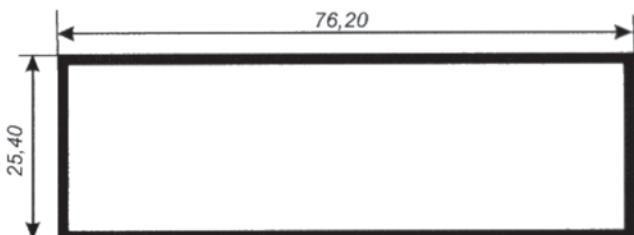
T-0348
0,305kg/m



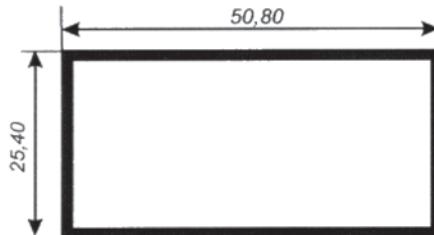
T-0473
0,360kg/m



T-2227
0,515kg/m



T-1626
0,696kg/m

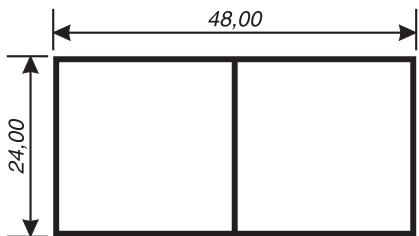


T-1632
0,570kg/m

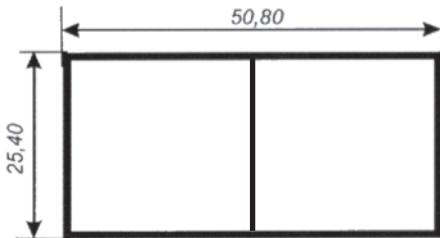




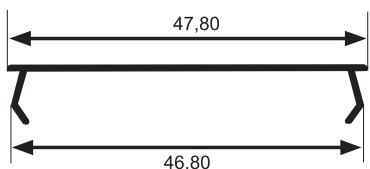
RÉGUA DE PEDREIRO



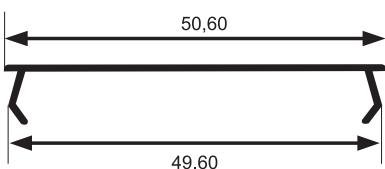
T-1872
0,331kg/m



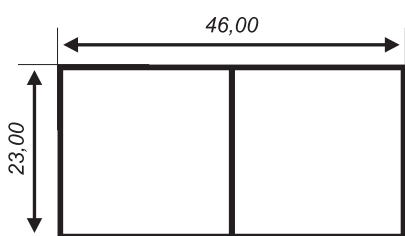
T-2093
0,350kg/m



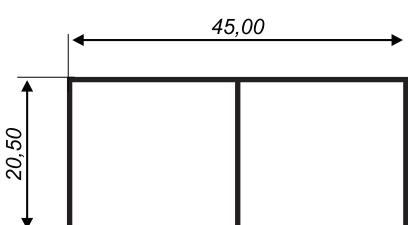
S-2094
0,154kg/m



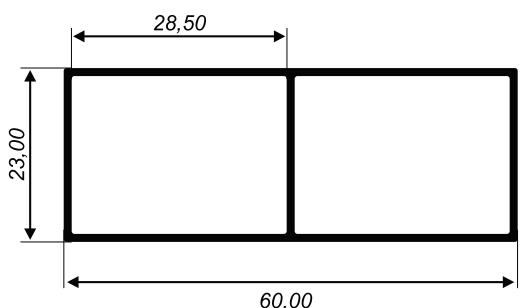
S-2095
0,161kg/m



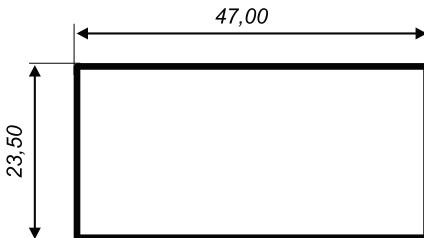
T-2632
0,317kg/m



T-3576
0,278kg/m



T-4213
0,494kg/m

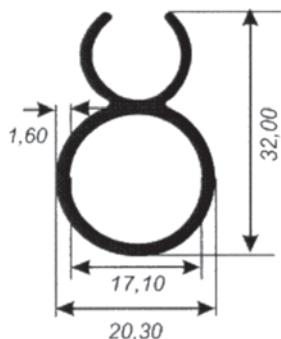


T-4214
0,298kg/m



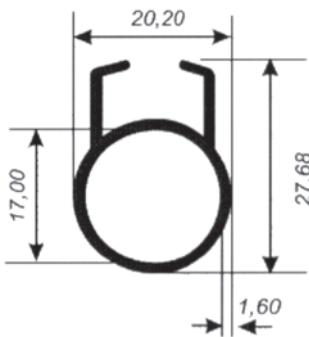


Braço



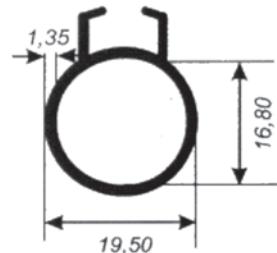
T-0047

0,338kg/m



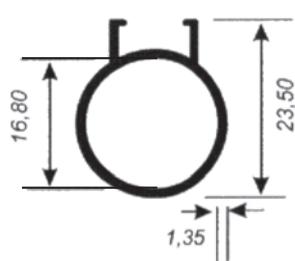
T-0177

0,355kg/m



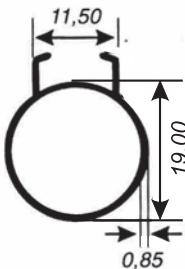
T-0306

0,266kg/m



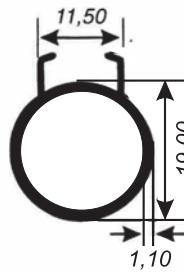
T-1383

0,248kg/m



A-062/T-2509

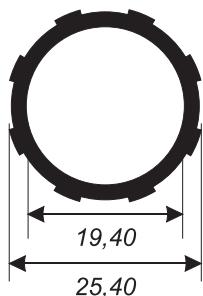
0,161kg/m



A-068

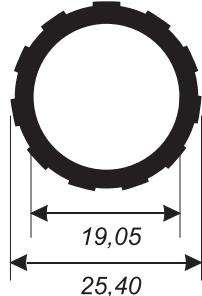
0,198kg/m

Luva



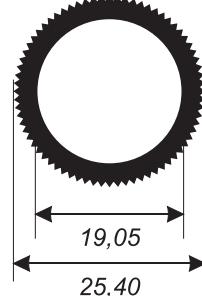
T-0046

0,459kg/m



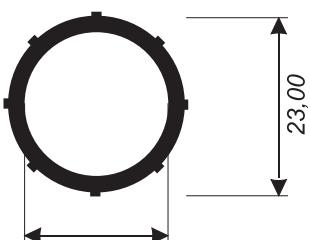
T-0430

0,560kg/m



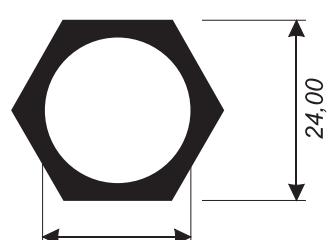
T-0535

0,540kg/m



T-1387

0,427kg/m



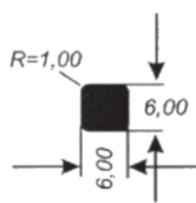
T-1338

0,581kg/m

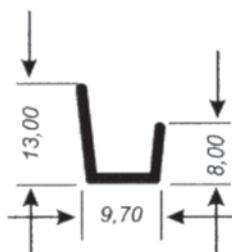




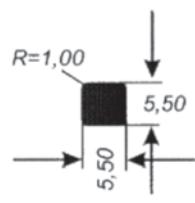
INSTRUMENTOS MUSICAIS



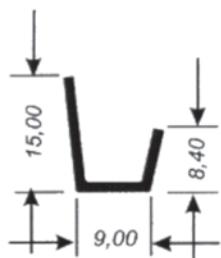
A-0023
0,100kg/m



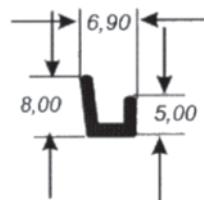
A-0025
0,111kg/m



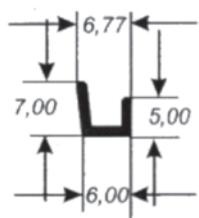
A-0038
0,079kg/m



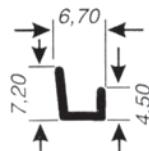
S-0020
0,112kg/m



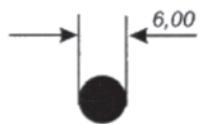
S-1448/A-064
0,058kg/m



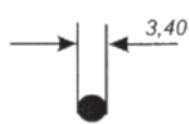
S-1452/A-0021
0,046kg/m



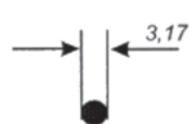
S-1758
0,049kg/m



S-1438
0,076kg/m

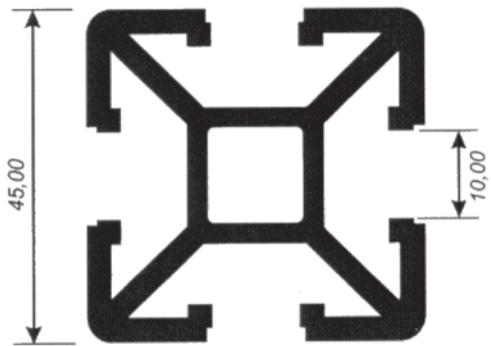


S-1439
0,024kg/m

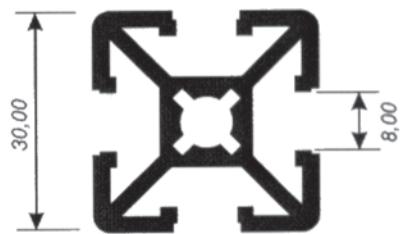


S-1447
0,024kg/m

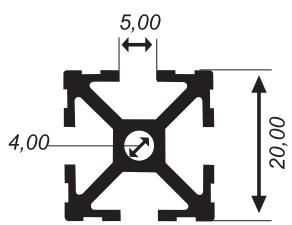
PERFIS ESTRUTURAIS



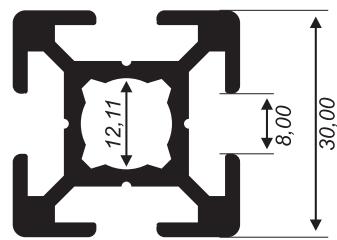
T-0671
2,263kg/m



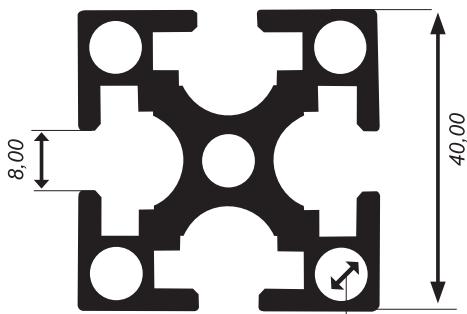
T-0672
0,956kg/m



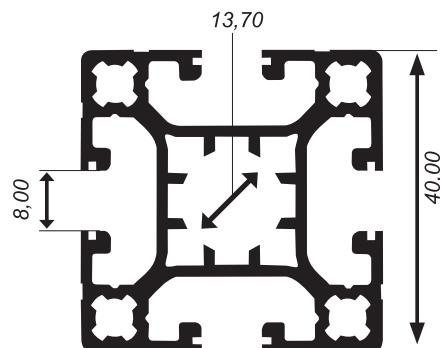
T-2012
0,433kg/m



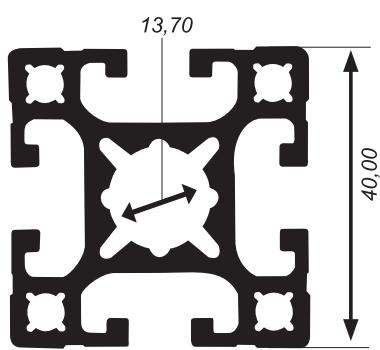
T-2981
0,991kg/m



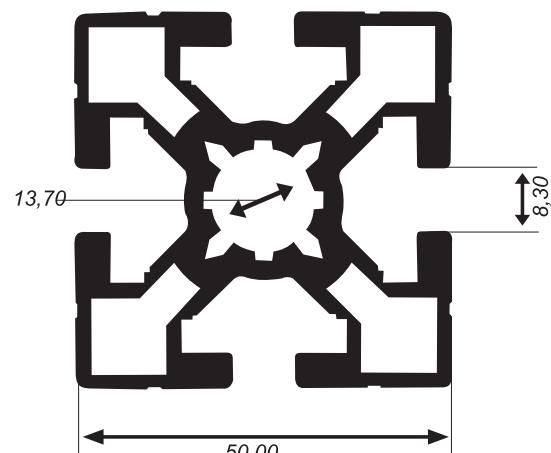
T-2109
1,799kg/m



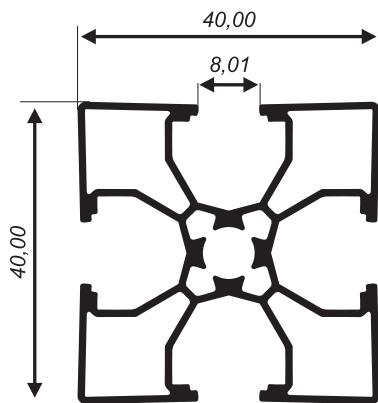
T-2272
1,358kg/m



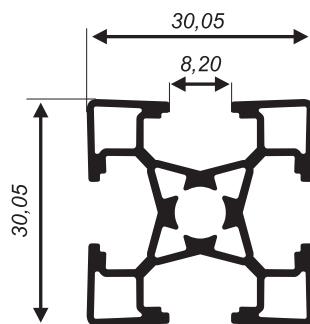
T-2312
1,703kg/m



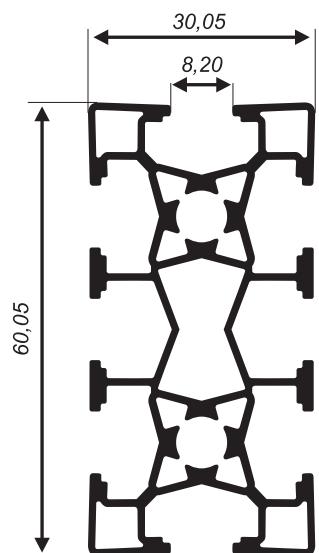
T-2273-A
2,448kg/m



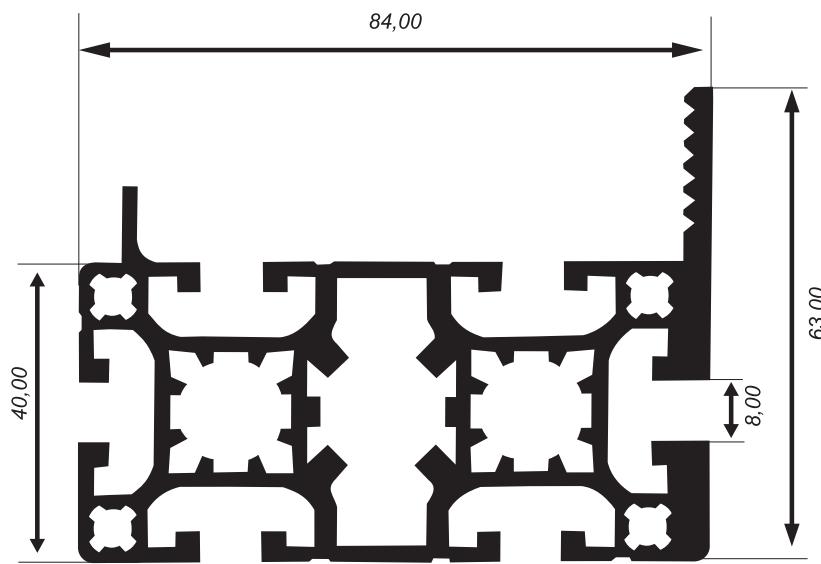
T-2701
0,864kg/m



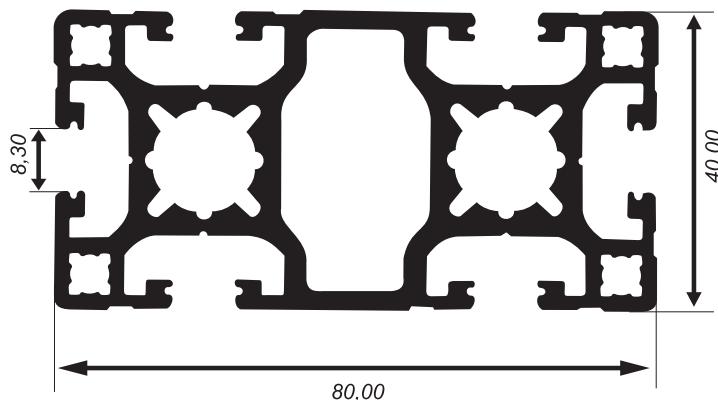
T-2702
0,650kg/m



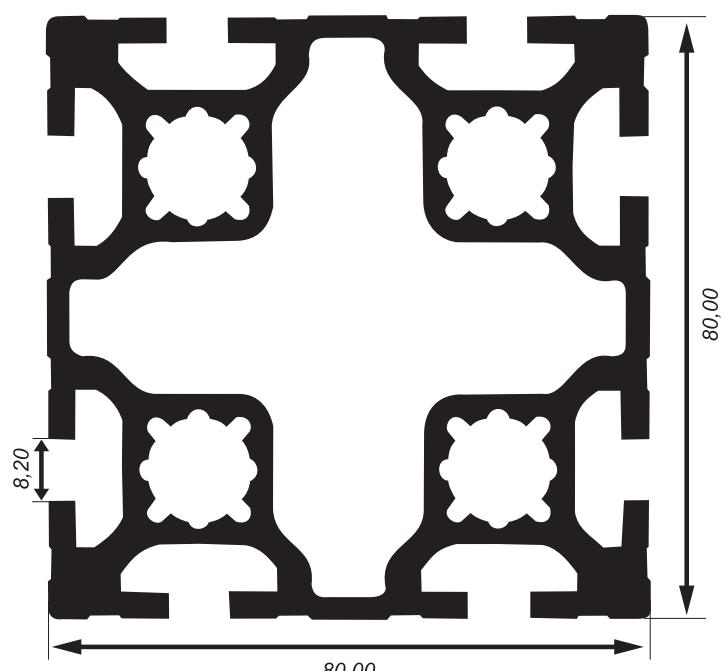
T-2703
1,167kg/m



T-2281
3,585kg/m

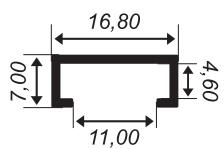


T-2313
3,024kg/m

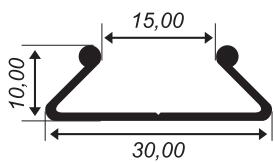


T-2318
5,828kg/m

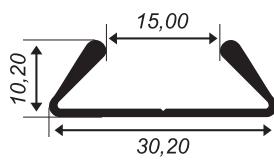
ESTUFAS



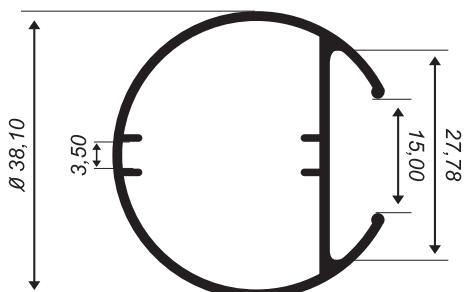
S-3262
0,103kg/m



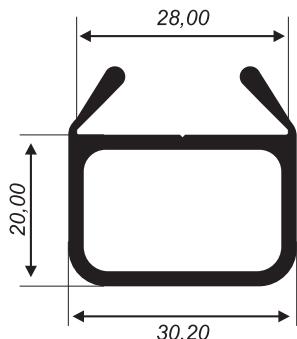
S-3263
0,194kg/m



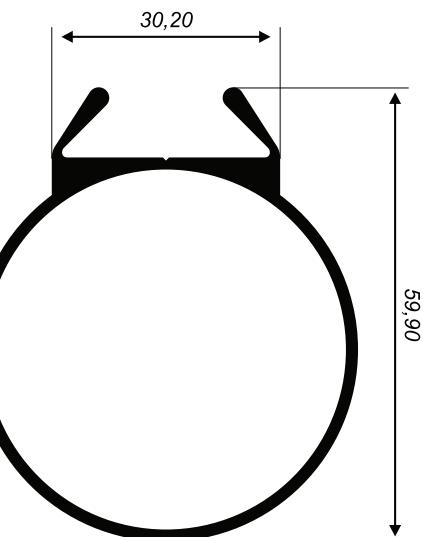
S-3594
0,195kg/m



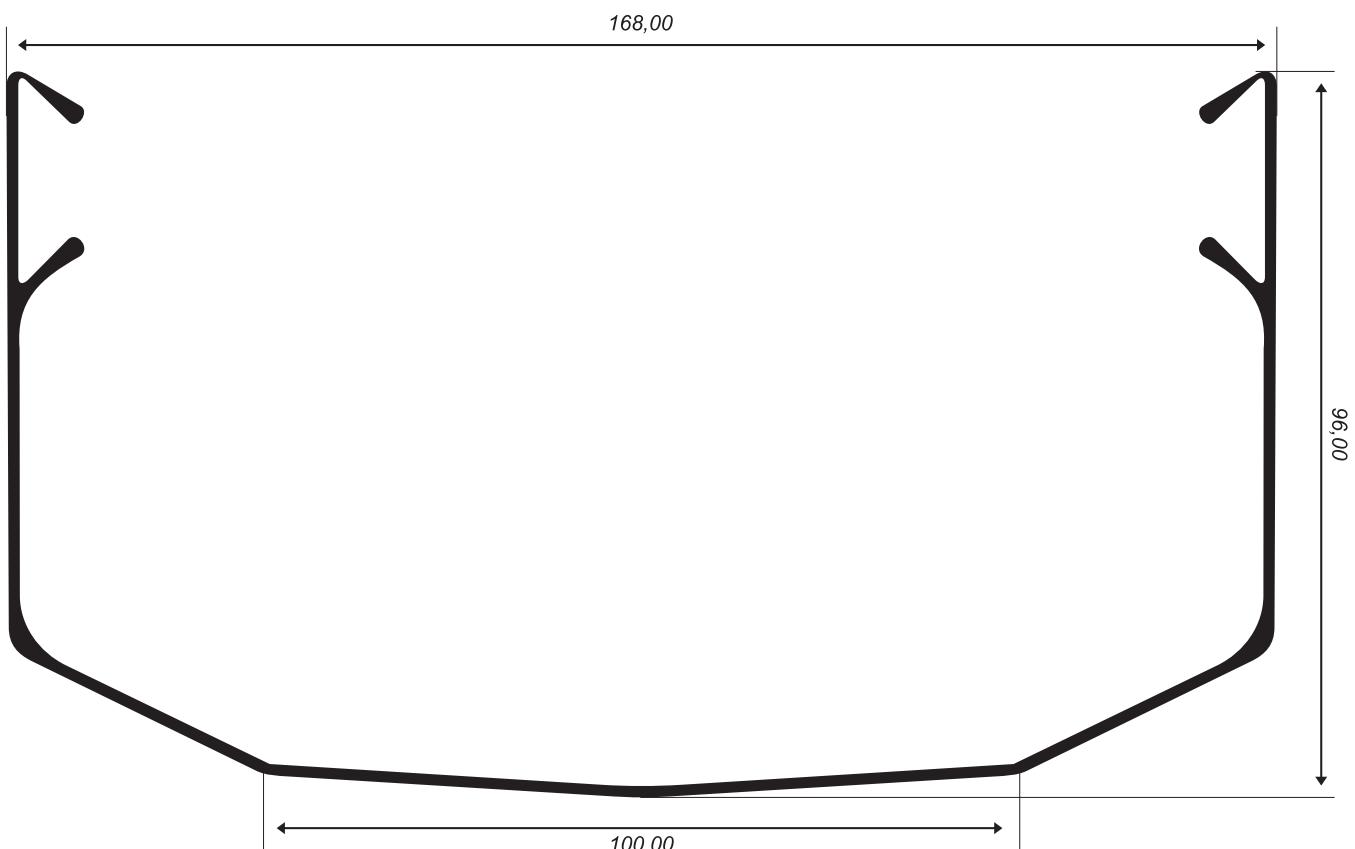
T-3914
0,491kg/m



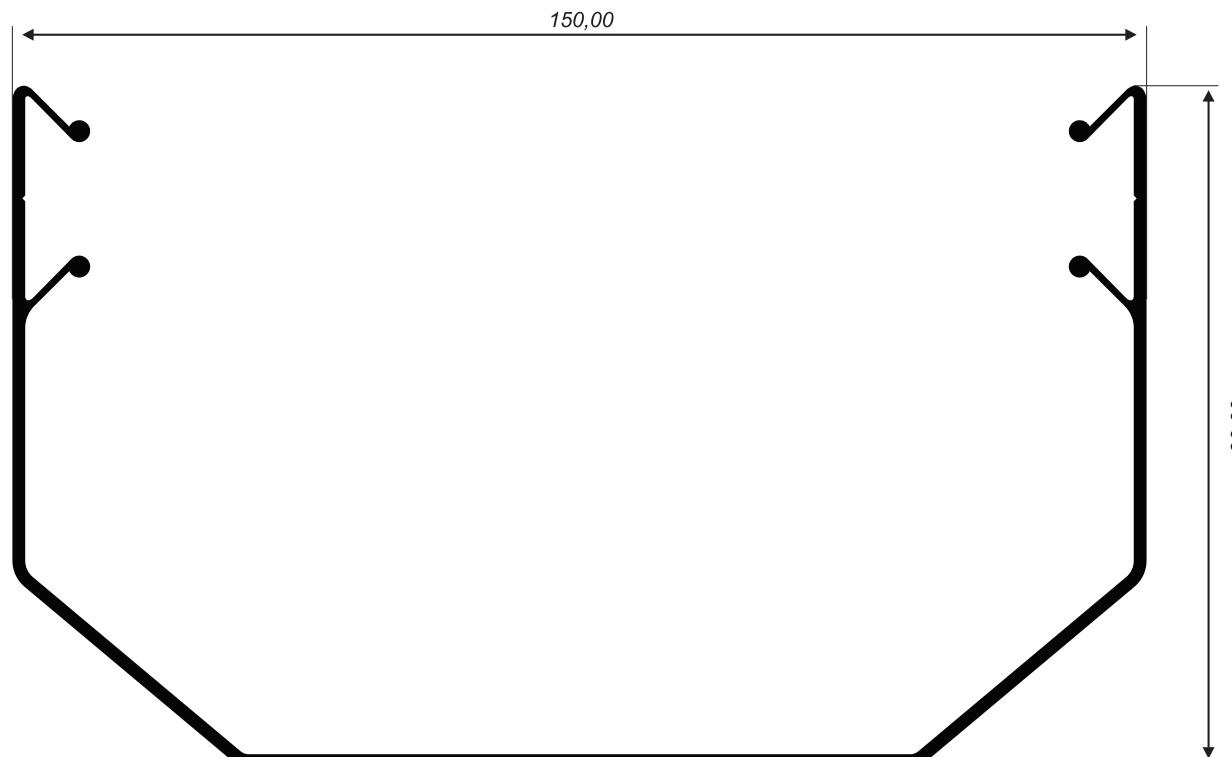
T-4130
0,598kg/m



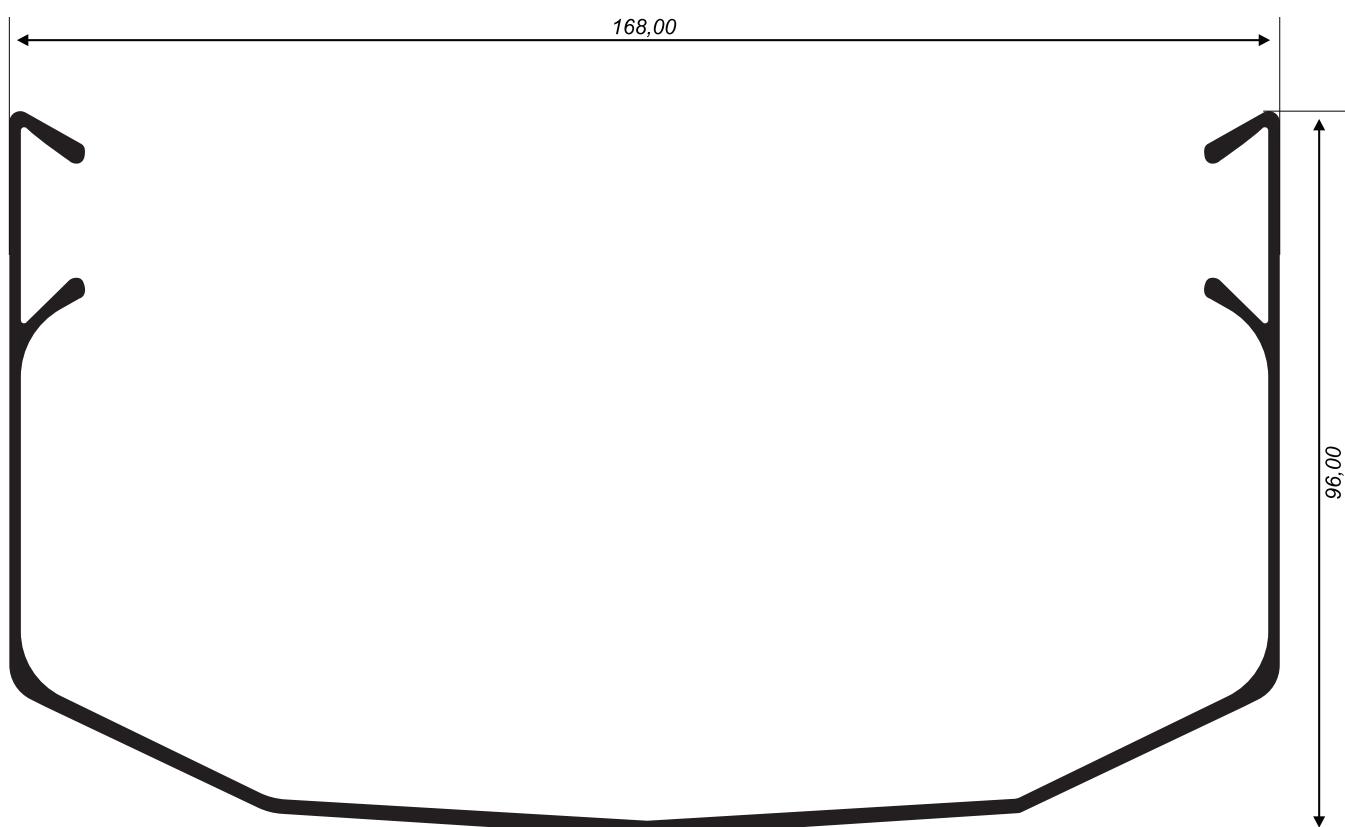
T-4181
0,897kg/m



S-3264
1,574kg/m



S-4135
1,347kg/m



S-4369
1,740kg/m

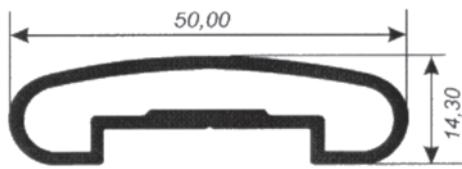
Estufas



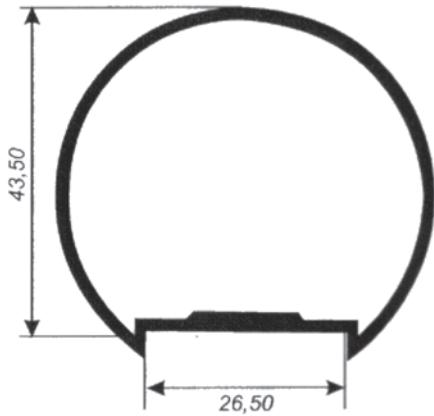
CORRIMÃO



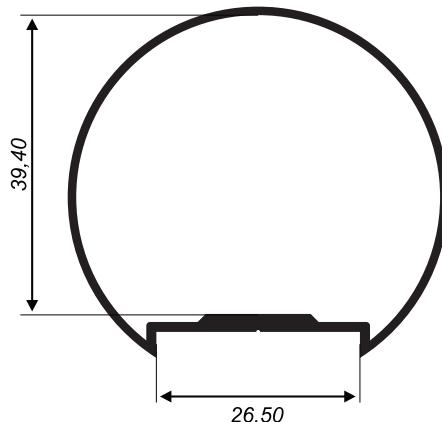
Corrimão



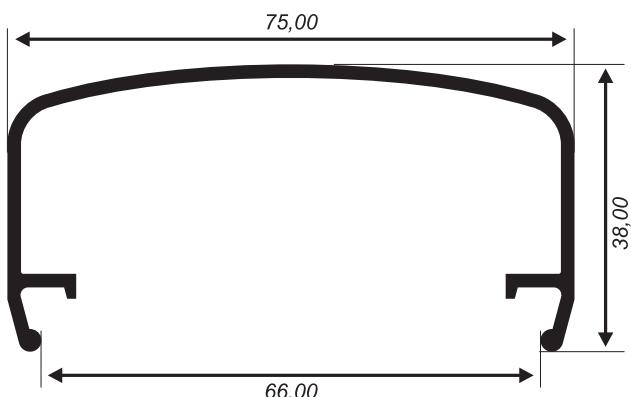
T-0284
0,510kg/m



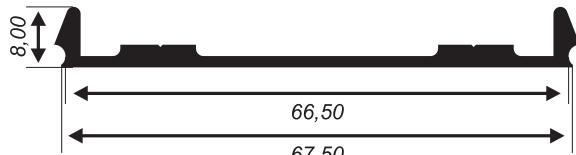
T-1357
0,697kg/m



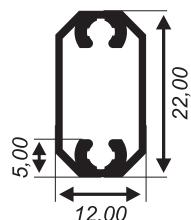
T-4239
0,534kg/m



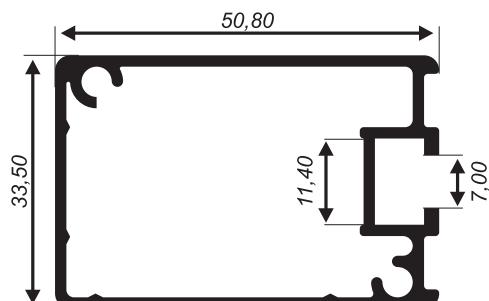
S-2895
0,759kg/m



S-2896
0,440kg/m



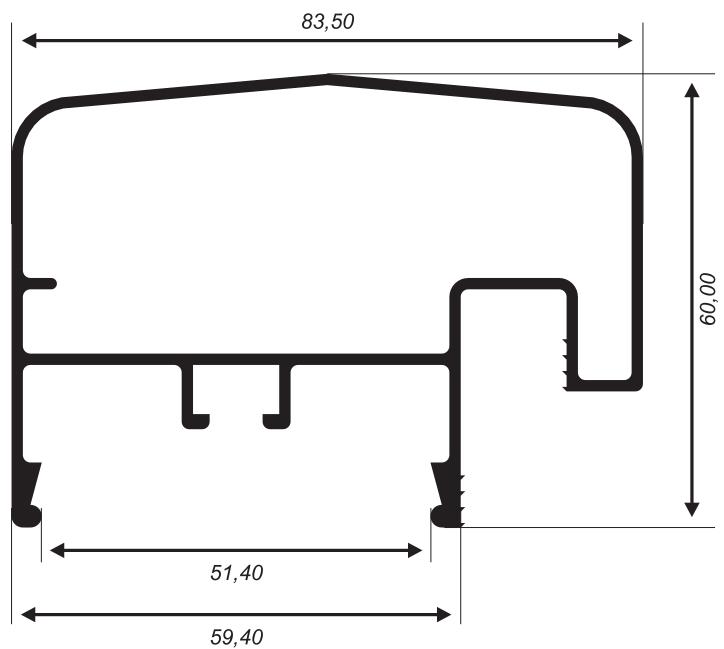
T-2872
0,236kg/m



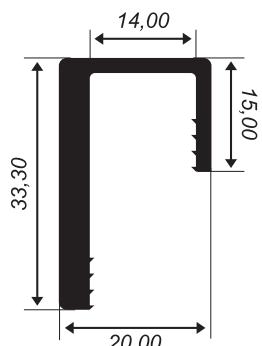
T-2851
0,840kg/m



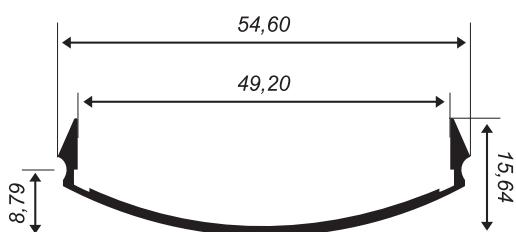
PERFIL METAL



T-2874
1,403kg/m

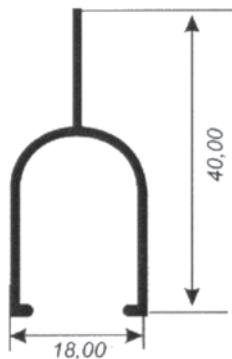


S-4139
0,519kg/m

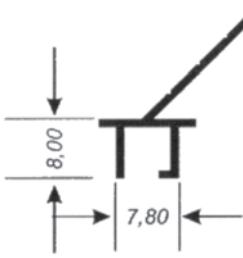


S-4140
0,267kg/m

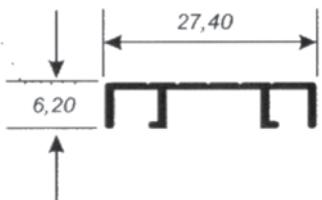




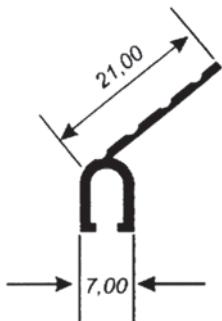
A-0057
0,210kg/m



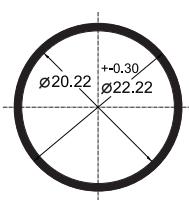
S-0361
0,140kg/m



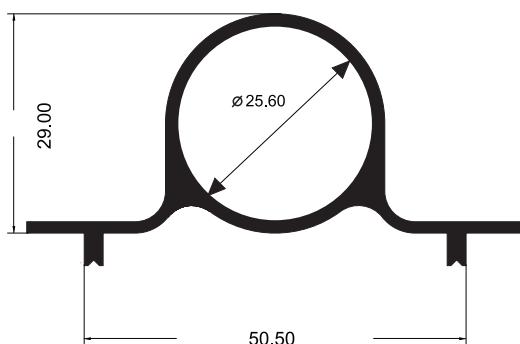
S-0362
0,183kg/m



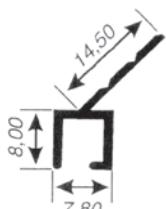
S-0527
0,183kg/m



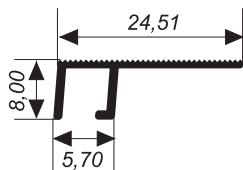
T-0674
0,186kg/m



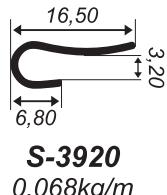
T-1618
0,686kg/m



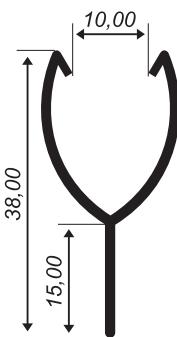
S-1768
0,110kg/m



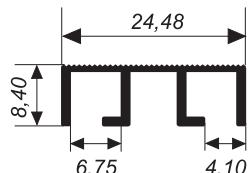
S-1837
0,116 kg/m



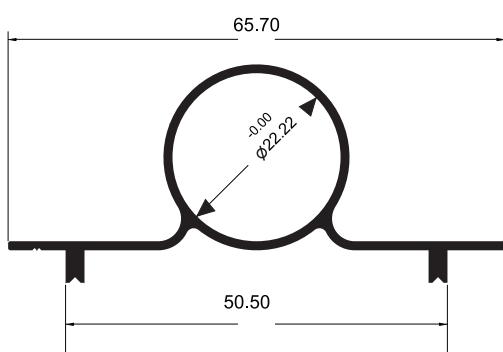
S-3920
0,068kg/m



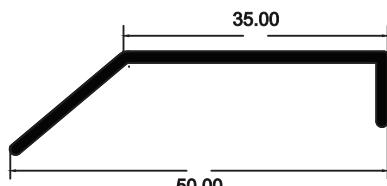
S-4058
0,255kg/m



S-1838
0,178 kg/m



T-2473
0,462kg/m

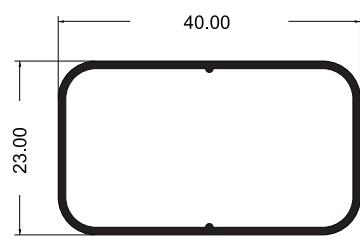


S-3482
0,253kg/m

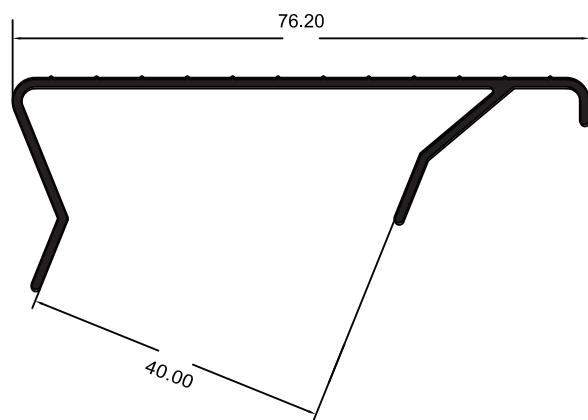




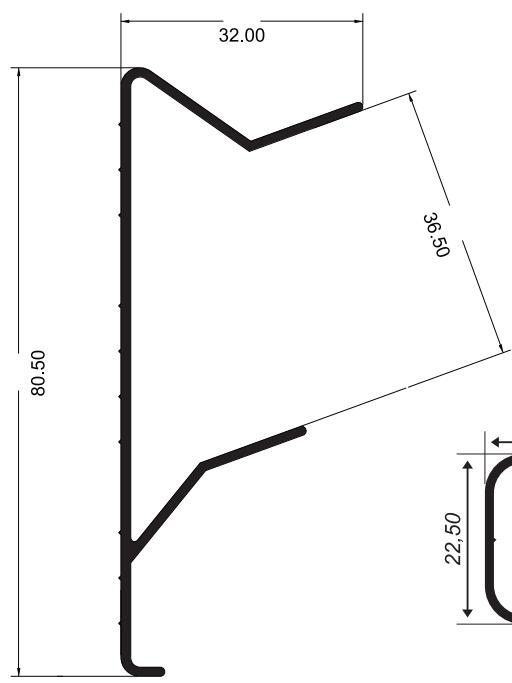
ESCADAS



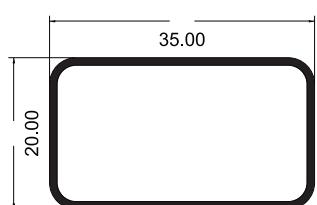
T-2982
0,311kg/m



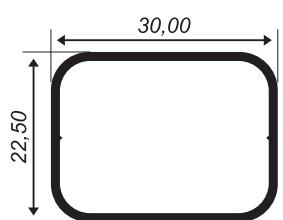
S-2983
0,428kg/m



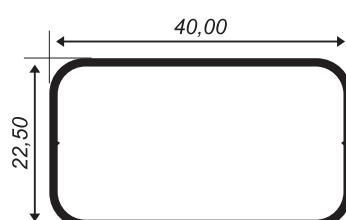
S-3325
0,502kg/m



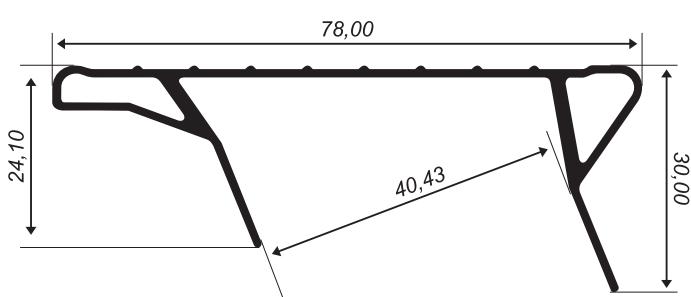
T-3326
0,272kg/m



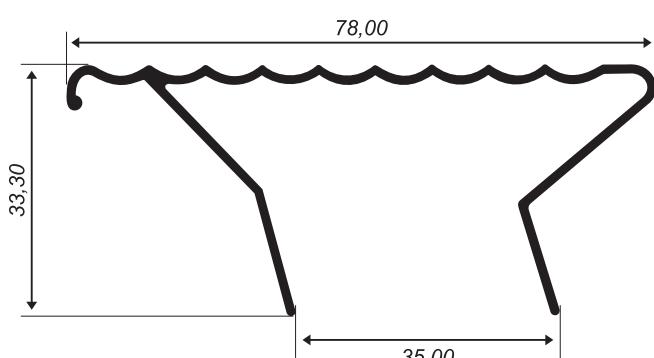
T-3882
0,301kg/m



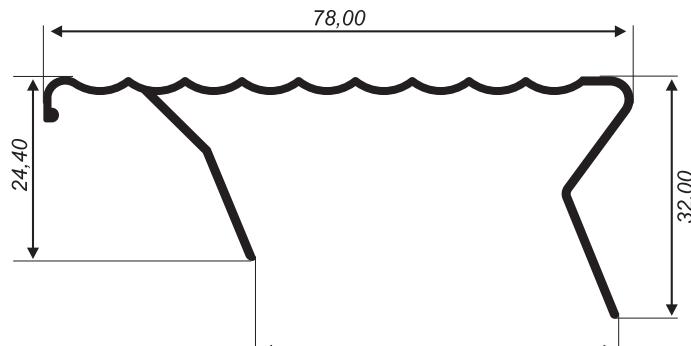
T-3883
0,365kg/m



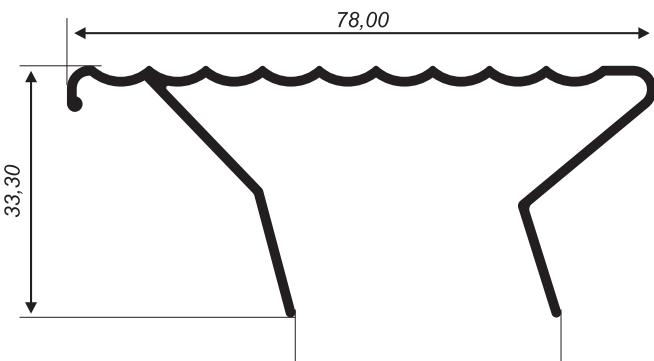
T-3884
0,576kg/m



S-3885
0,540kg/m



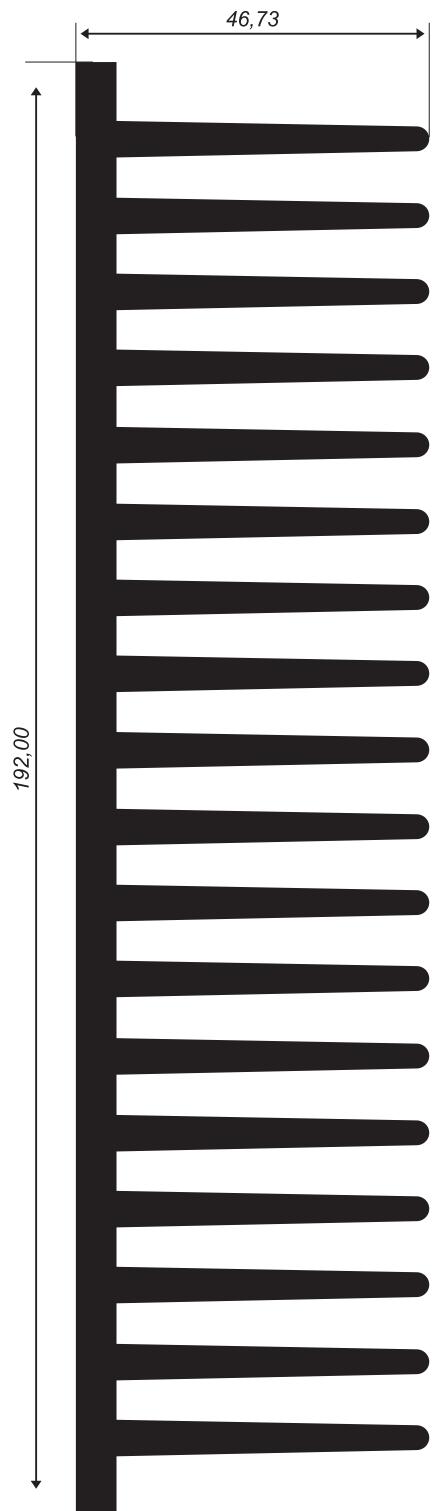
S-4217
0,440kg/m



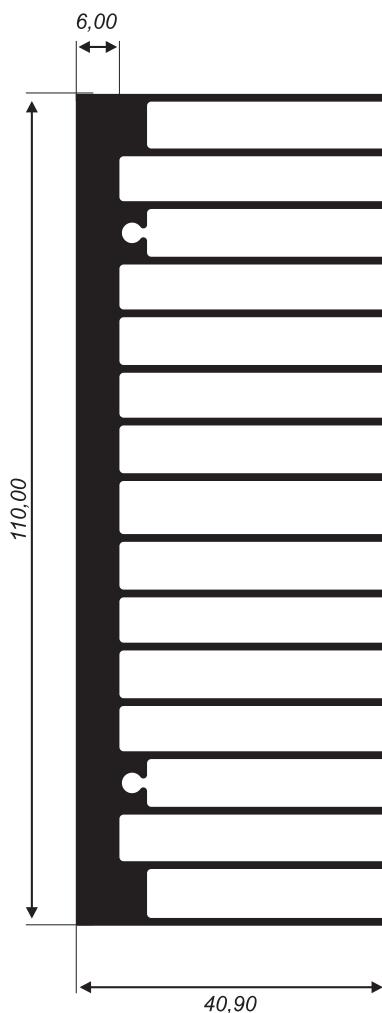
S-4221
0,495kg/m



DISSIPADOR



S-3732
11,281kg/m



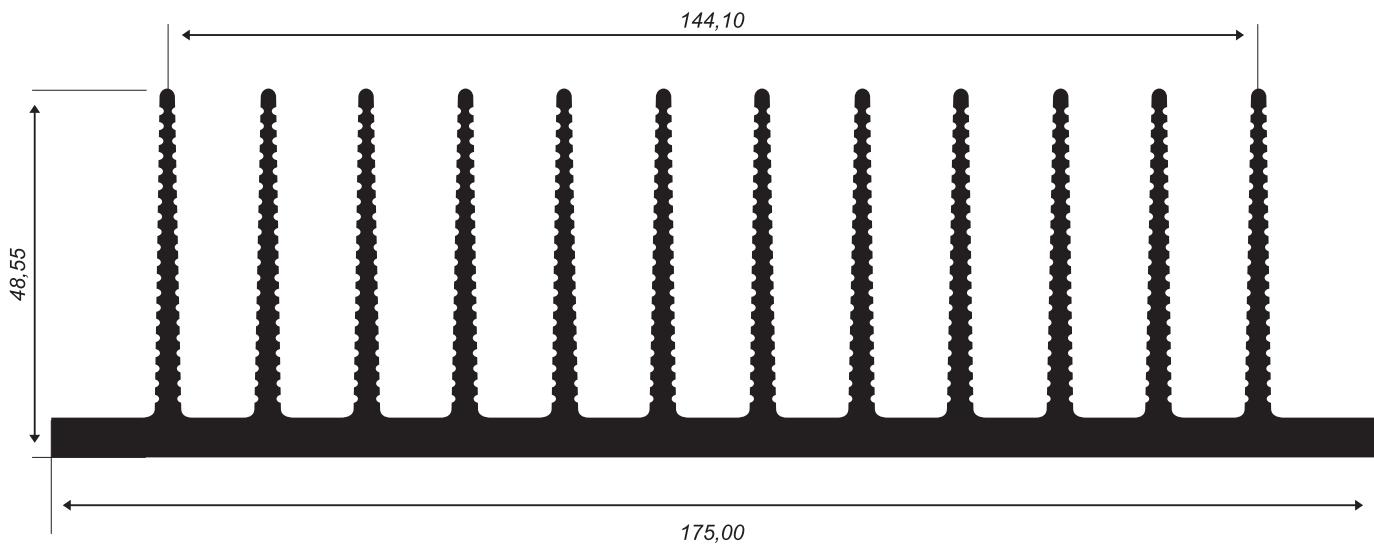
S-4326
3,476kg/m



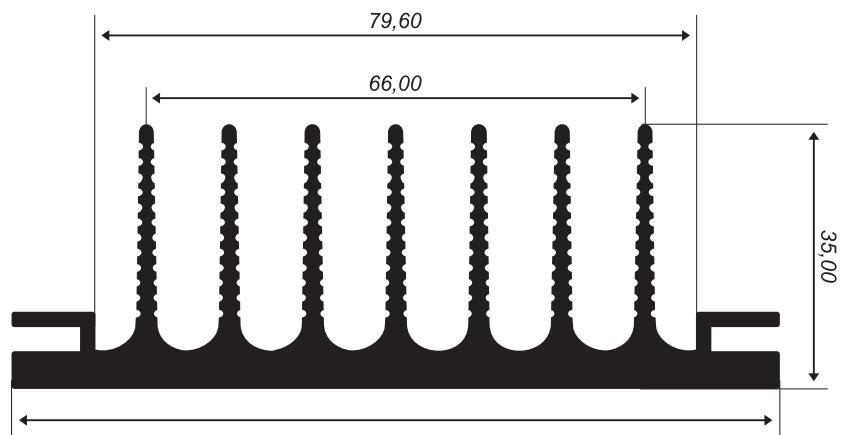
PERFIL METAL



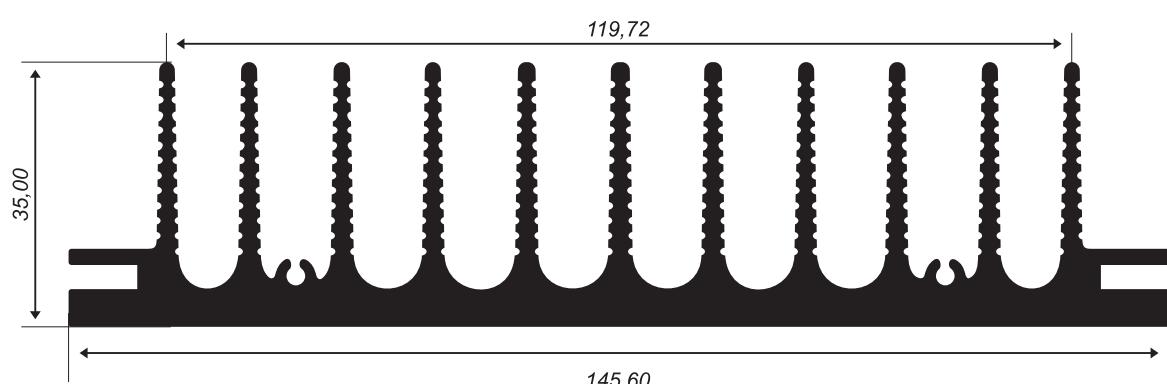
DISSIPADOR



S-3659
5,718kg/m



S-3443
2,879kg/m

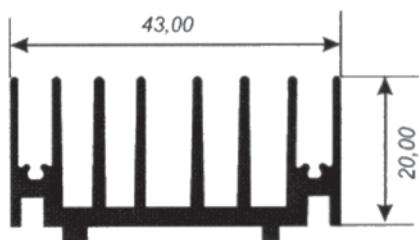


S-3656
4,358kg/m

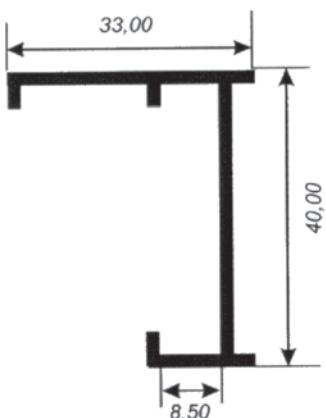
DISSIPADOR



S-0037
1,631kg/m



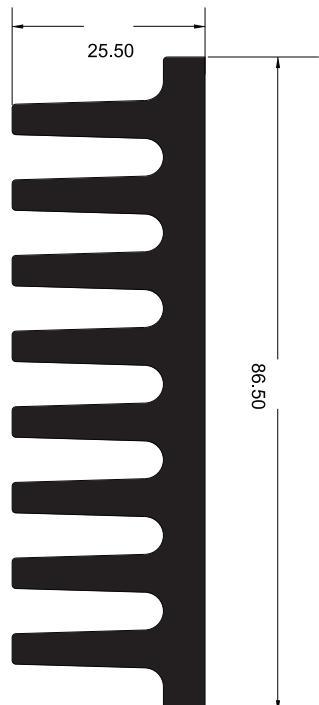
S-0412
0,791kg/m



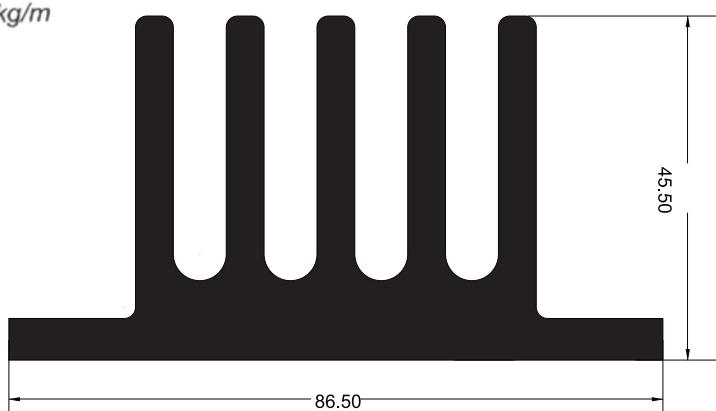
S-0413
0,408kg/m



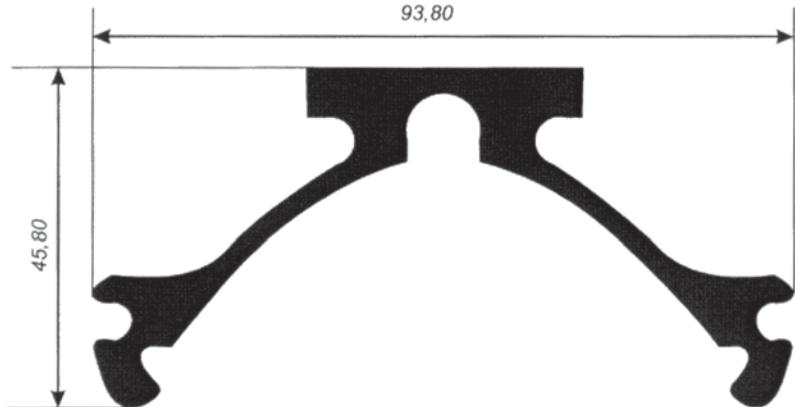
S-0236
1,426kg/m



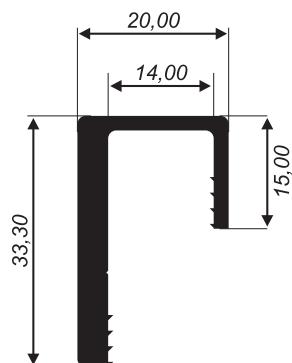
S-2706
3,311kg/m



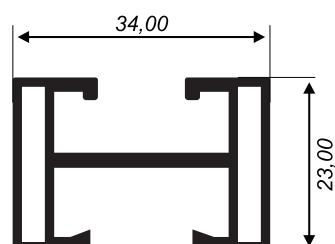
S-2707
4,409kg/m



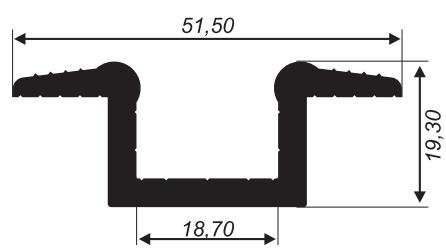
S-0365
2,380kg/m



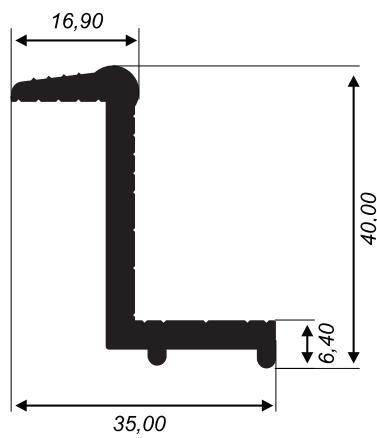
S-4139
0,519kg/m



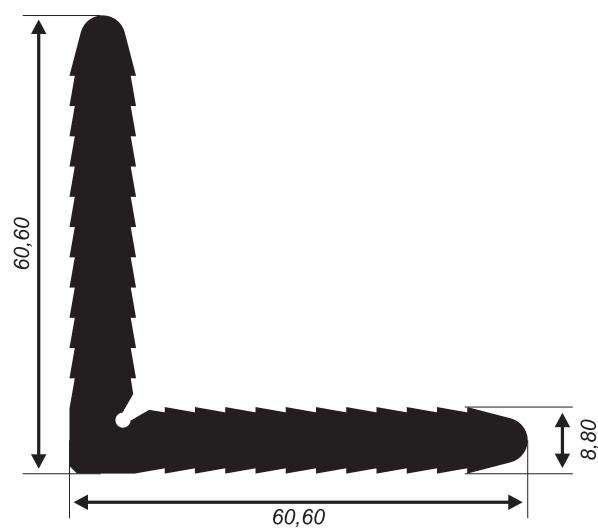
T-4189
0,606kg/m



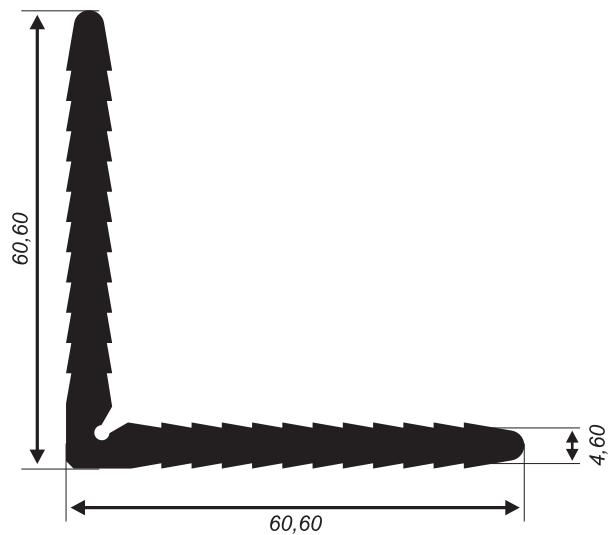
S-4342
0,819kg/m



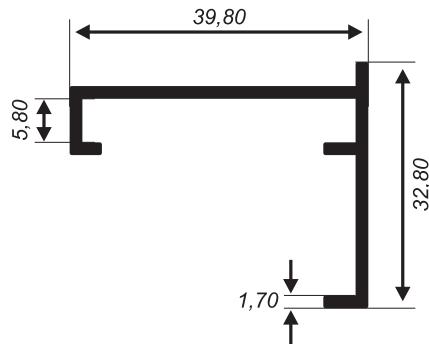
S-4343
0,725kg/m



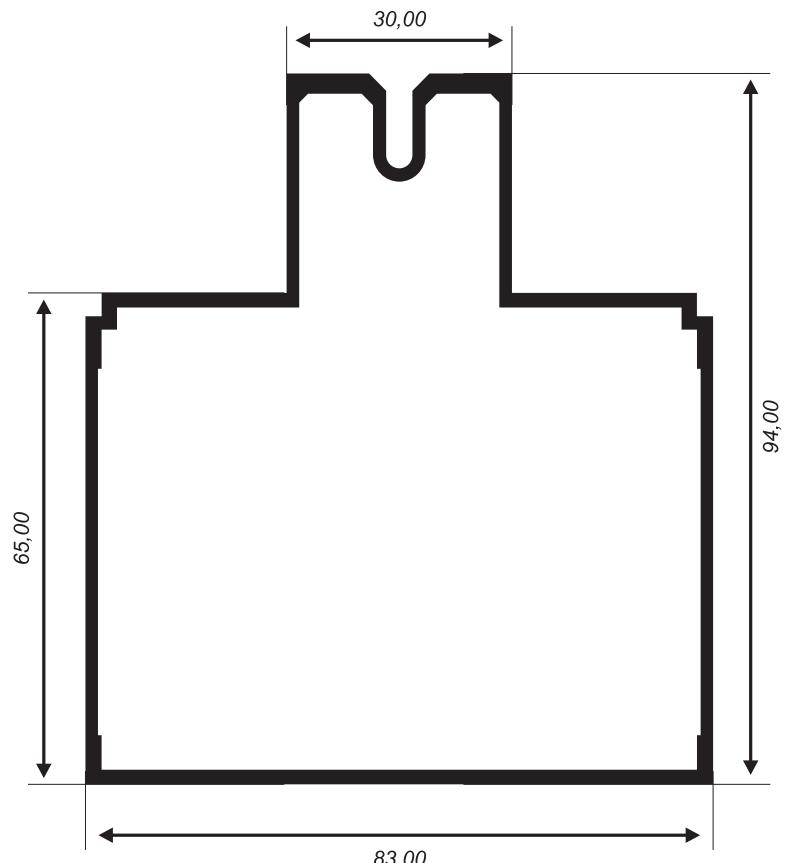
S-2865
2,382kg/m



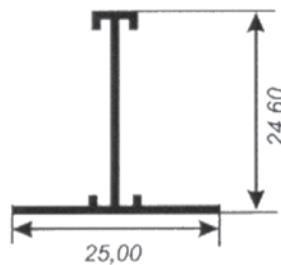
S-2823
1,644kg/m



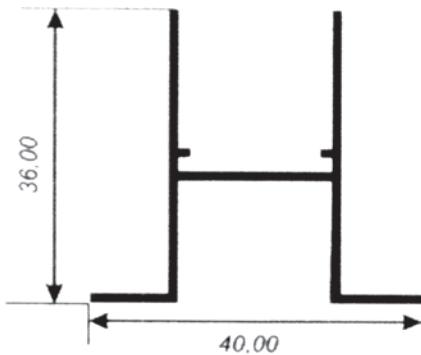
S-2767
0,412kg/m



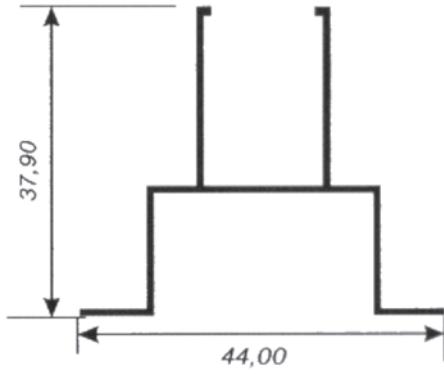
S-2882
1,709kg/m

**Fôrro**

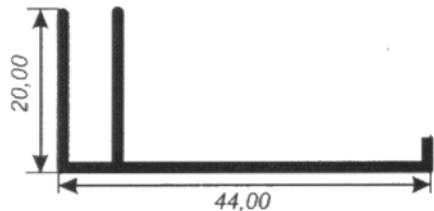
S-0137
0,121kg/m



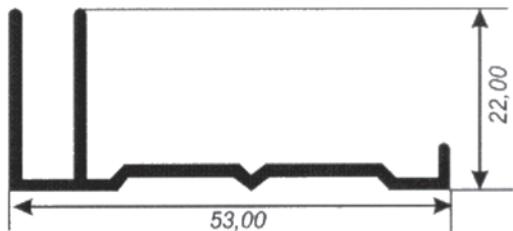
S-0767
0,364kg/m



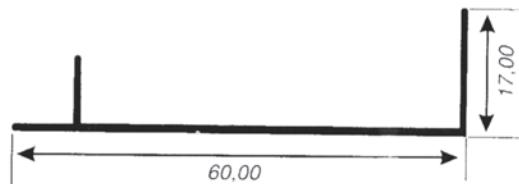
S-0933
0,414kg/m

Domos

S-0088
0,294kg/m



S-0133
0,421kg/m

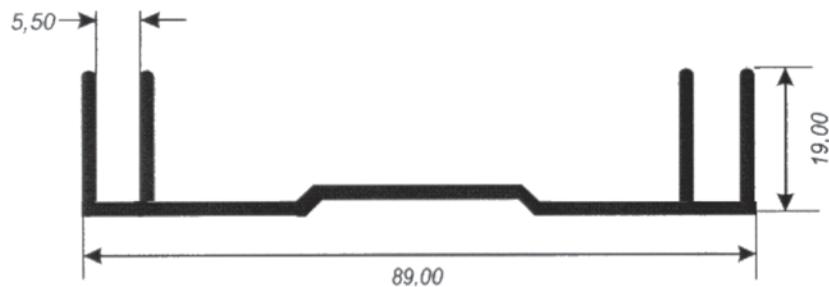


S-1794
0,229kg/m

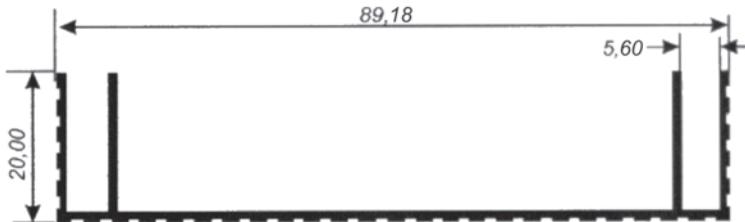




Luminosos

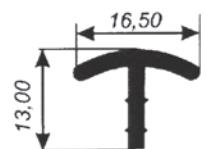


S-0160
0,572kg/m

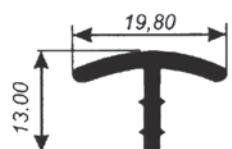


S-0575
0,485kg/m

Frizo de Carteira Escolar



S-0083
0,151kg/m



S-0434
0,167kg/m

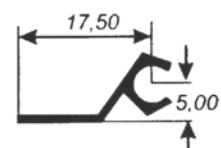
Veda Porta



S-0613
0,119kg/m



S-2645
0,067kg/m



S-0614
0,090kg/m

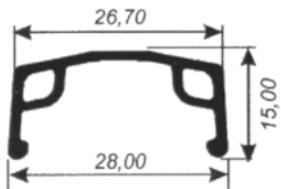


S-2646
0,105kg/m

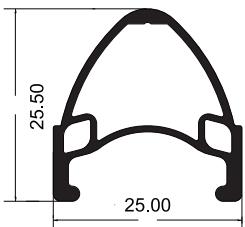




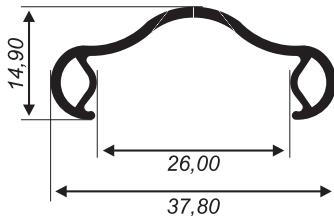
Aro de Bicicleta



T-0538
0,249kg/m

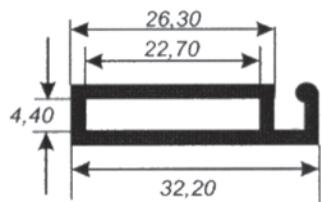


T-2728
0,306kg/m

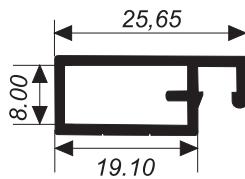


T-3033
0,251kg/m

Telas de Mosquiteiro

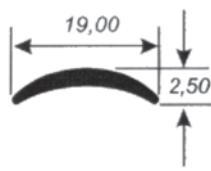


T-1105
0,359kg/m



T-1826
0,256kg/m

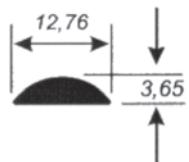
Meia-Cana



S-1445
0,112kg/m



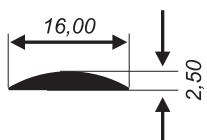
S-1486
0,030kg/m



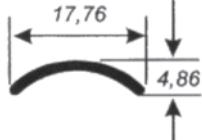
S-1546
0,090kg/m



S-1726
0,037kg/m



T-2580
0,077kg/m

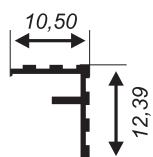


GA-0031
0,067kg/m





Aquecedor Solar



S-2973
0,067kg/m



S-2974
0,262kg/m

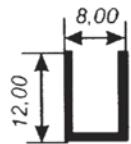
Vitrines



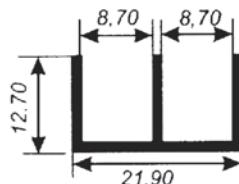
S-0021
0,095kg/m



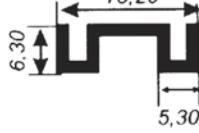
S-0483
0,172kg/m



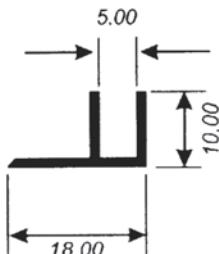
S-0607
0,081kg/m



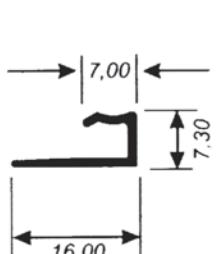
S-0608
0,158kg/m



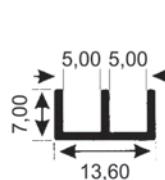
S-0609
0,095kg/m



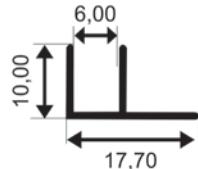
S-1437
0,123kg/m



S-1522
0,089kg/m

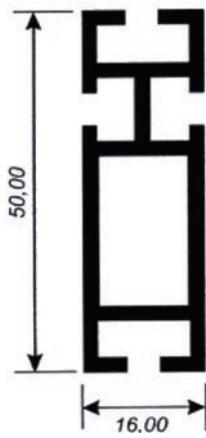


S-1764
0,100kg/m

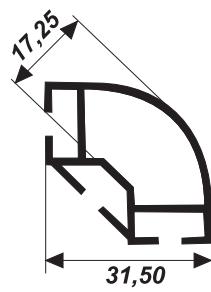


S-2411
0,096kg/m

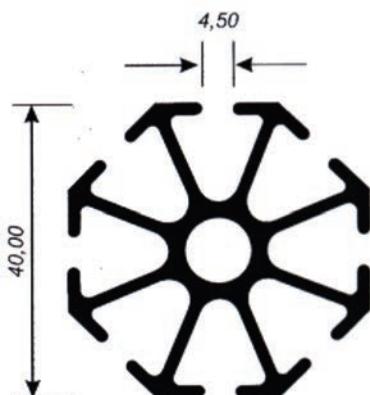
Perfil para Stand



T-1537
0,766kg/m



T-1959
0,412 kg/m



T-1538
1,036kg/m





TABELA DE EQUIVALÊNCIA

EQUIVALÊNCIA	CÓDIGO	PÁG.	SEÇÃO
BX-007	S-0256	61	BOX LISO
BX-101	T-0427	56	BOX FRISADO
BX-106	S-0224	55	BOX FRISADO
BX-107	S-0223	55	BOX FRISADO
BX-108	S-1036	56	BOX FRISADO
BX-111	S-0845	56	BOX FRISADO
BX-112	S-0225	55	BOX FRISADO
BX-116	S-0028	55	BOX FRISADO
BX-153	S-0788	57	BOX FRISADO LEVE
BX-154	S-0026	55	BOX FRISADO
BX-155	S-0029	55	BOX FRISADO
BX-155	S-0381	57	BOX FRISADO LEVE
BX-156	S-0379	57	BOX FRISADO LEVE
BX-157	S-0364	57	BOX FRISADO LEVE
BX-158	S-0363	57	BOX FRISADO LEVE
BX-160	S-0380	57	BOX FRISADO LEVE
MP-347	S-0305	48	ARREMATES
PC-002	T-0912	126	DIVERSOS
BG-001	S-1259	26	LINHA 20
BG-010	S-0340	52	BAGUETES
BG-025	S-0753	52	BAGUETES
BG-035	S-0849	52	BAGUETES
BG-202	S-0850	52	BAGUETES
25-157	S-0724	126	DIVERSOS
CG-003	T-0284	121	DIVERSOS
CG-012	T-1365	126	DIVERSOS
CG-021	T-0310	126	DIVERSOS
CL-006	S-1138	51	CONEXÕES
CL-009	S-0004	50	CONEXÕES
CL-010	S-0003	50	CONEXÕES
CL-011	S-1139	51	CONEXÕES

TABELA DE EQUIVALÊNCIA



Tabela de Equivalência

EQUIVALÊNCIA	CÓDIGO	PÁG.	SEÇÃO
CM-001	S-0064	46	CONTRA MARCO
CM-002	S-0093	47	CONTRA MARCO
CM-003	S-0065	46	CONTRA MARCO
CM-004	S-0066	47	CONTRA MARCO
CM-006	S-0114	48	ARREMATES
CM-007	S-0080	48	ARREMATES
CM-063	S-0145	47	CONTRA MARCO
DS-104	S-0790	28	LINHA 23
DS-105	T-0791	28	LINHA 23
DS-152	S-0342	120	DIVERSOS
DS-202	S-0137	118	DIVERSOS
DS-266	S-0351	120	DIVERSOS
DV-029	S-0610	77	DIVISÓRIAS
DV-101	S-1114	77	DIVISÓRIAS
DV-111	S-0388	75	DIVISÓRIAS
DV-129	S-0394	76	DIVISÓRIAS
DV-143	S-0391	76	DIVISÓRIAS
DV-300	T-1072	78	DIV. SANITÁRIAS
DV-504	S-0392	76	DIVISÓRIAS
DV-506	S-0395	77	DIVISÓRIAS
BG-001	S-1259	77	DIVISÓRIAS
FC-014	S-0231	100	RODAPÉ
DV-301	S-1073	78	DIV. SANITÁRIAS
LM-019	S-0160	119	DIVERSOS
LM-016	S-0575	119	DIVERSOS
MM-375	T-0992	41	MÓDULO MAX





TABELA DE EQUIVALÊNCIA

EQUIVALÊNCIA	CÓDIGO	PÁG.	SEÇÃO
ME-056	S-0991	40	MÓDULO ESPECIAL
ME-073	T-0960	39	MÓDULO ESPECIAL
ME-074	T-0961	39	MÓDULO ESPECIAL
ME-075	T-0962	39	MÓDULO ESPECIAL
ME-076	T-0963	39	MÓDULO ESPECIAL
ME-077	T-0964	40	MÓDULO ESPECIAL
ME-078	T-0965	40	MÓDULO ESPECIAL
MP-300	T-0851	42	MÓDULO PRÁTICO
MP-302	T-0927	43	MÓDULO PRÁTICO
MP-309	S-0904	42	MÓDULO PRÁTICO
MP-321	T-0928	43	MÓDULO PRÁTICO
MP-352	S-0929	43	MÓDULO PRÁTICO
MP-357	S-0930	43	MÓDULO PRÁTICO
MP-358	S-0852	42	MÓDULO PRÁTICO
MP-359	S-0853	42	MÓDULO PRÁTICO
MP-360	S-1121	44	MÓDULO PRÁTICO
MO-361	T-0854	42	MÓDULO PRÁTICO
MP-363	S-0855	42	MÓDULO PRÁTICO
MP-388	T-1256	44	MÓDULO PRÁTICO
MP-389	S-1257	44	MÓDULO PRÁTICO
MP-397	S-0993	43	MÓDULO PRÁTICO
MP-404	S-1082	43	MÓDULO PRÁTICO
SU-001	S-3559	53	FOL. DE CORRER
SU-002	S-3560	53	FOL. DE CORRER
SU-003	S-3561	53	FOL. DE CORRER
SU-007	S-3602	53	FOL. DE CORRER
SU-039	T-3564	54	FOL. DE CORRER
SU-040	T-3565	54	FOL. DE CORRER
SU-041	T-3566	54	FOL. DE CORRER
SU-053	S-3562	53	FOL. DE CORRER
SU-055	T-1060	53	FOL. DE CORRER
SU-056	T-1061	53	FOL. DE CORRER

TABELA DE EQUIVALÊNCIA



EQUIVALÊNCIA	CÓDIGO	PÁG.	SEÇÃO
SU-186	S-1059	53	FOL. DE CORRER
S-U192	T-3567	54	FOL. DE CORRER
SU-227	T-3568	54	FOL. DE CORRER
SU-228	S-3563	53	FOL. DE CORRER
MP-378	S-1322	44	MÓDULO PRÁTICO
MP-305	T-1323	44	MÓDULO PRÁTICO
MP-303	T-1324	44	MÓDULO PRÁTICO
MP-369	S-1325	45	MÓDULO PRÁTICO
MP-368	S-1326	45	MÓDULO PRÁTICO
MP-366	S-1327	45	MÓDULO PRÁTICO
MP-367	S-1328	45	MÓDULO PRÁTICO
VZ-004	S-0125	53	PALHETAS
VZ-006	S-0156	53	PALHETAS
VZ-023	S-0986	54	PALHETAS
VZ-024	S-0987	54	PALHETAS
20-048	T-1248	26	LINHA 20
20-049	T-1249	26	LINHA 20
20-050	S-1250	26	LINHA 20
20-051	T-1251	26	LINHA 20
20-052	S-1252	26	LINHA 20
20-053	S-1253	26	LINHA 20
20-054	S-1254	26	LINHA 20
20-055	S-1255	26	LINHA 20
BG-001	S-1259	26	LINHA 20
23-008	S-0809	28	LINHA 23
23-009	S-0760	27	LINHA 23
23-018	S-0750	27	LINHA 23
23-019	S-0789	28	LINHA 23
23-020	T-0751	27	LINHA 23
23-021	S-0755	27	LINHA 23
23-022	T-0752	27	LINHA 23
BG-025	S-0753	27	LINHA 23
DS-104	S-0790	28	LINHA 23
DS-105	T-0791	28	LINHA 23

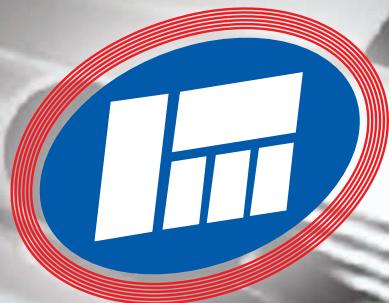


TABELA DE EQUIVALÊNCIA

EQUIVALÊNCIA	CÓDIGO	PÁG.	SEÇÃO
25-012	T-0162	29	LINHA 25
25-016	T-0161	29	LINHA 25
25-517	S-0230	29	LINHA 25
25-019	S-0157	29	LINHA 25
25-021	S-0313	30	LINHA 25
25-027	S-0311	30	LINHA 25
25-157	S-0724	126	DIVERSOS
25-301	T-0988	41	MÓDULO MAX
25-308	T-0989	41	MÓDULO MAX
25-311	S-0990	41	MÓDULO MAX
25-312	S-0994	41	MÓDULO MAX
25-508	T-1262	31	LINHA 25
25-510	S-0267	30	LINHA 25
25-514	S-0386	30	LINHA 25
25-017	T-0428	30	LINHA 25
25-540	T-1260	31	LINHA 25
25-555	T-0268	30	LINHA 25
25-566	S-0314	30	LINHA 25
25-560	S-0159	29	LINHA 25
25-565	S-0158	29	LINHA 25
25-542	T-1261	31	LINHA 25
BG-001	S-1259	30	LINHA 25
BG-035	S-0849	41	MÓDULO MAX
BG-202	S-0850	41	MÓDULO MAX
MM-375	T-0992	41	MÓDULO MAX
MM-376	T-1122	41	MÓDULO MAX

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