

Sistema

CL

Sistema CL

Sistema de correr - 70 mm

Características dos sistemas CL/CL Plus

Sistemas de alumínio para execução de vãos de correr ou janelas duplas com rotura térmica.

Perfis de alumínio

Os perfis de alumínio são extrudidos na liga de alumínio 6060 para arquitetura de acordo com norma NP EN 12020-02.

Aros fixos

Secção do aro fixo de 2 guias de 70 mm para montagem a corte recto;
Secção do aro fixo janela dupla de 196 mm para montagem a corte recto.

Aros móveis

Secção dos aros móveis de 28 mm com montagem a corte recto;
Enchimento de 4 mm a 18 mm;
Estanquidade assegurada através de pelúcia tipo Fin-Seal.

Dimensionamento e manobralidade

Peso máximo de 80 kg por folha (com 2 rolamentos duplos);
Possibilidades de abertura: 2, 3 e 4 folhas, com folhas móveis e/ou fixas;
Rolamento duplo com regulação.

Performances

Sistema certificado por laboratório notificado do ensaio tipo inicial (ITT) de acordo com a norma de produto EN 14351-1 para efeitos de Marcação CE.

Categorias alcançadas na avaliação do sistema CL tipologia janela:

1. Permeabilidade ao ar: Classe 3 (norma de ensaio EN 1026)
2. Estanquidade à água: Classe 7A (norma de ensaio EN 1027)
3. Resistência ao vento: Classe C3 (norma de ensaio EN 12211)

Categorias alcançadas na avaliação do sistema CL tipologia porta:

1. Permeabilidade ao ar: Classe 3 (norma de ensaio EN 1026)
2. Estanquidade à água: Classe 7A (norma de ensaio EN 1027)
3. Resistência ao vento: Classe B2 (norma de ensaio EN 12211)

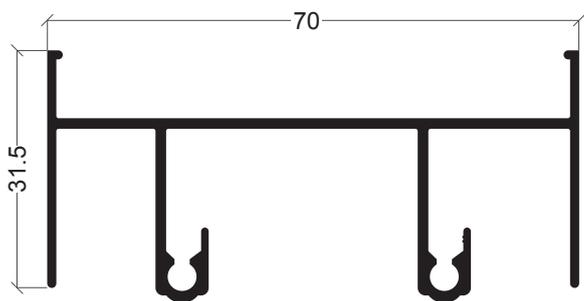
Coefficiente de transmissão térmica de vão de 2 folhas com 1.80 m x 2.20m com vidro $U_g = 1.8 \text{ W/m}^2\text{K}$ com intercalar efeito "Warm Edge":

- $U_w = 2.98 \text{ W/m}^2\text{K}$

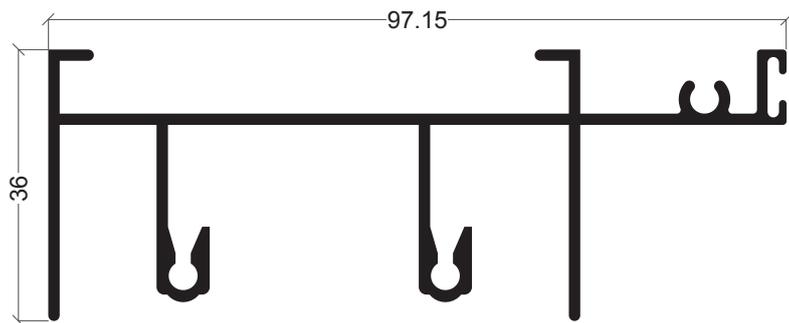
Coefficiente de atenuação acústica de vão de 2 folhas com vidro 4/10/4 acústico:

- $R_w (C; C_{tr}) = 28 \text{ dB} (-1; -1)$

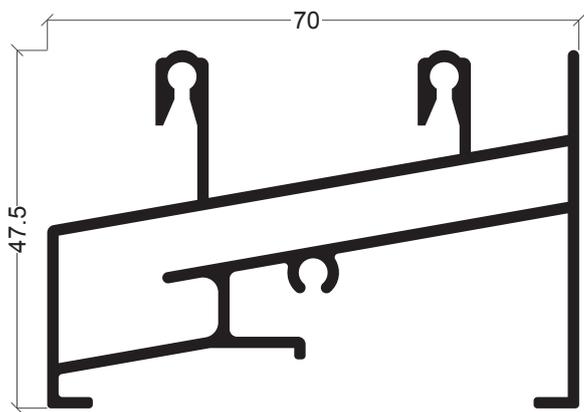
Zonas de aplicação segundo RCCTE (em função do valor U_g): I1, I2, I3, V1, V2, V3;



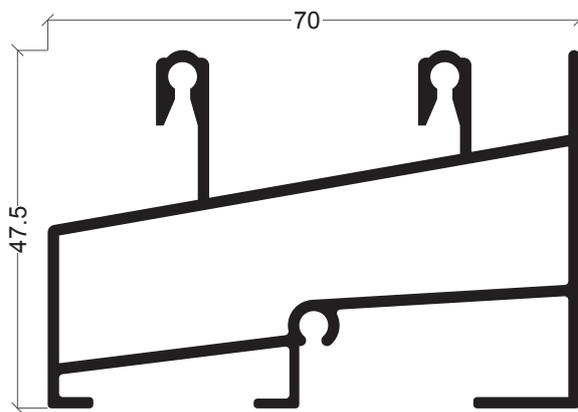
CL-05
Padeira



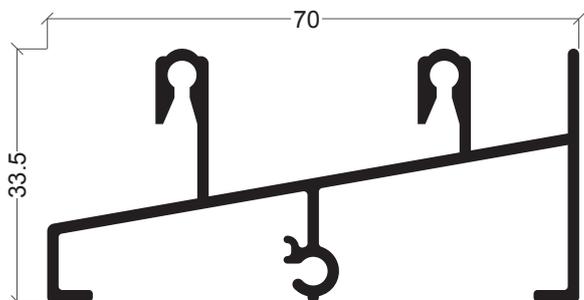
CL-15
Padeira



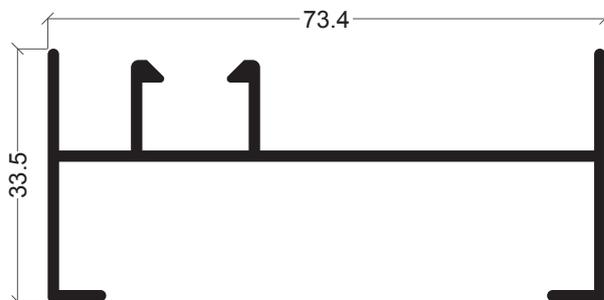
CL-01
Soleira



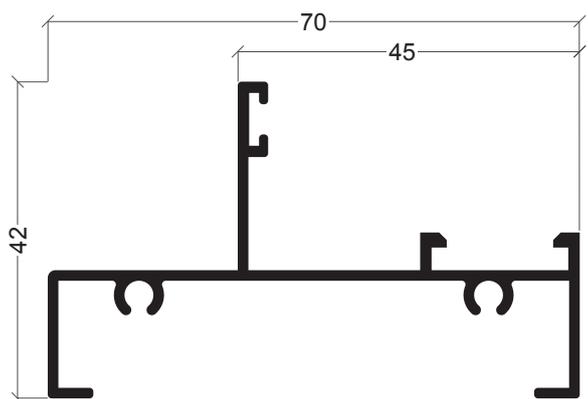
CL-03
Soleira



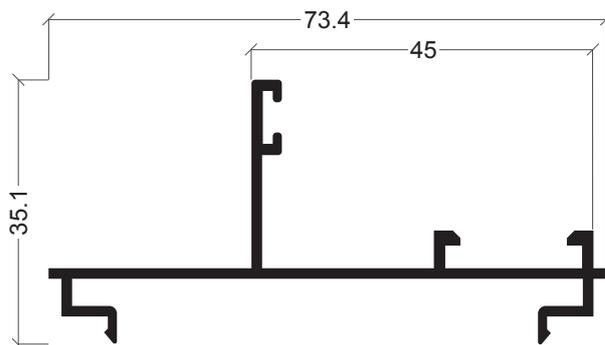
CL-61
Soleira



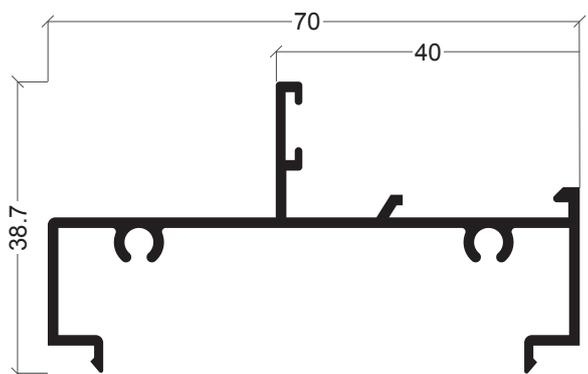
CL-06
Ombreira



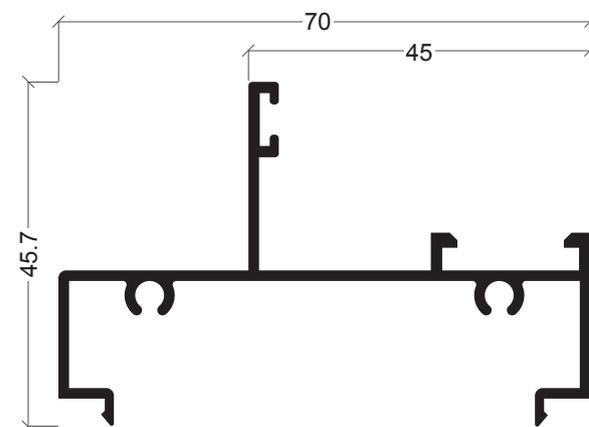
CL-58
Complemento fixo



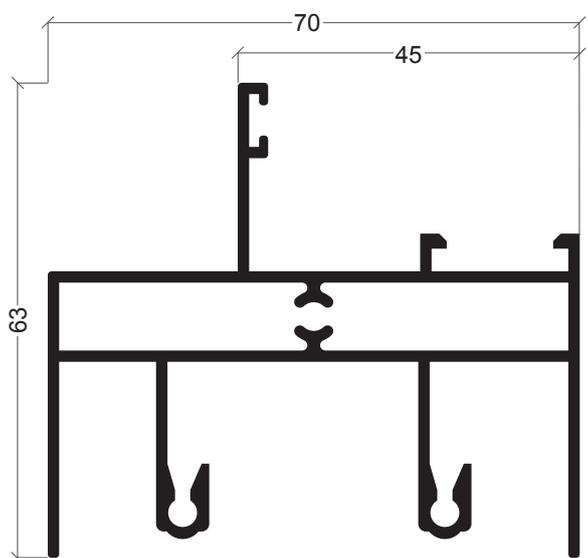
CL-39
Complemento fixo



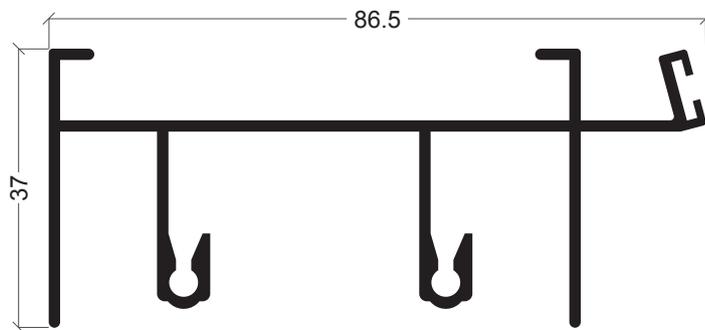
CL-18
Complemento fixo



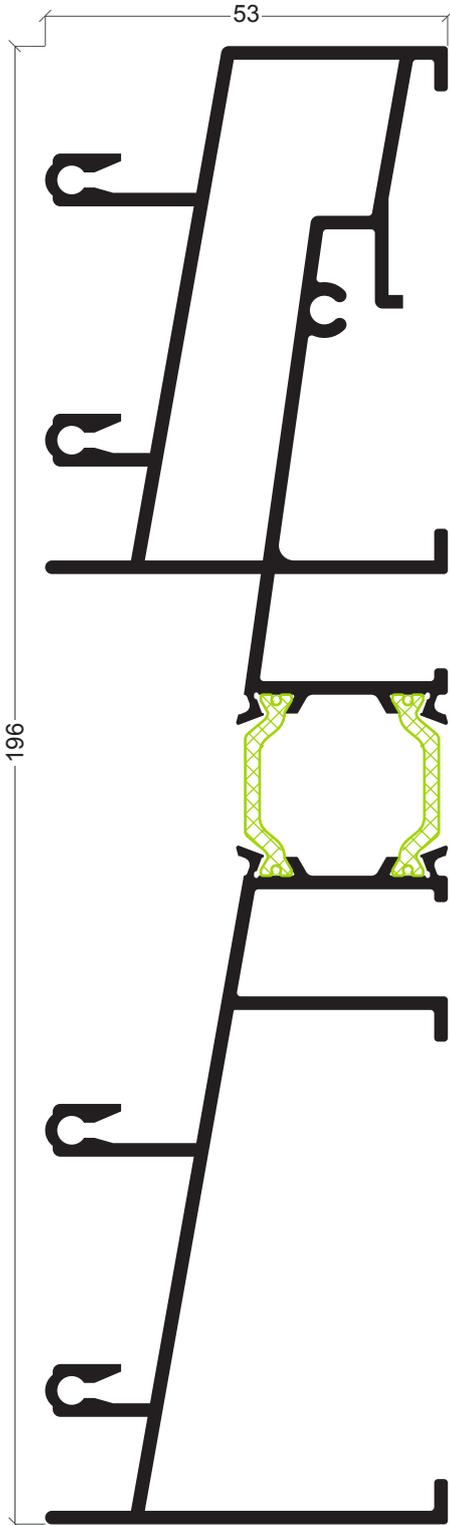
CL-08
Complemento fixo



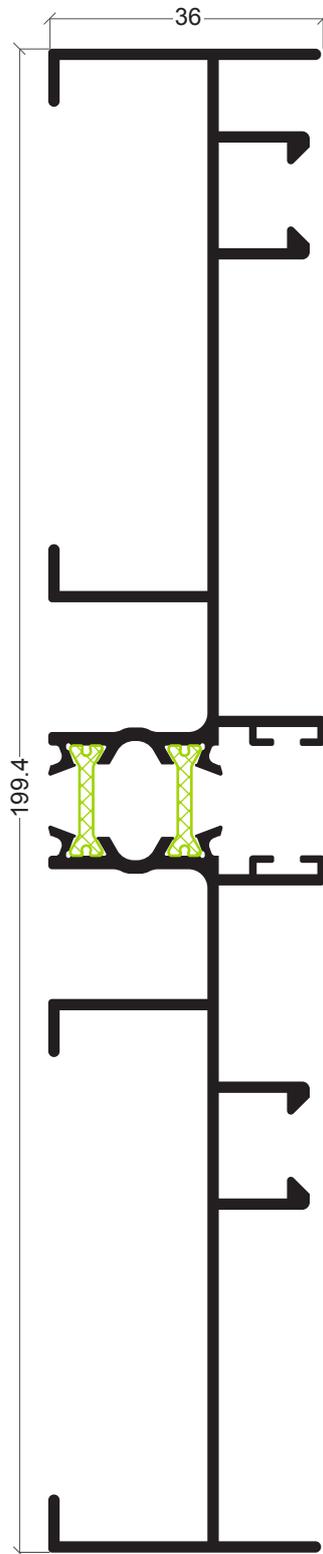
CL-55
Padeira fixo superior



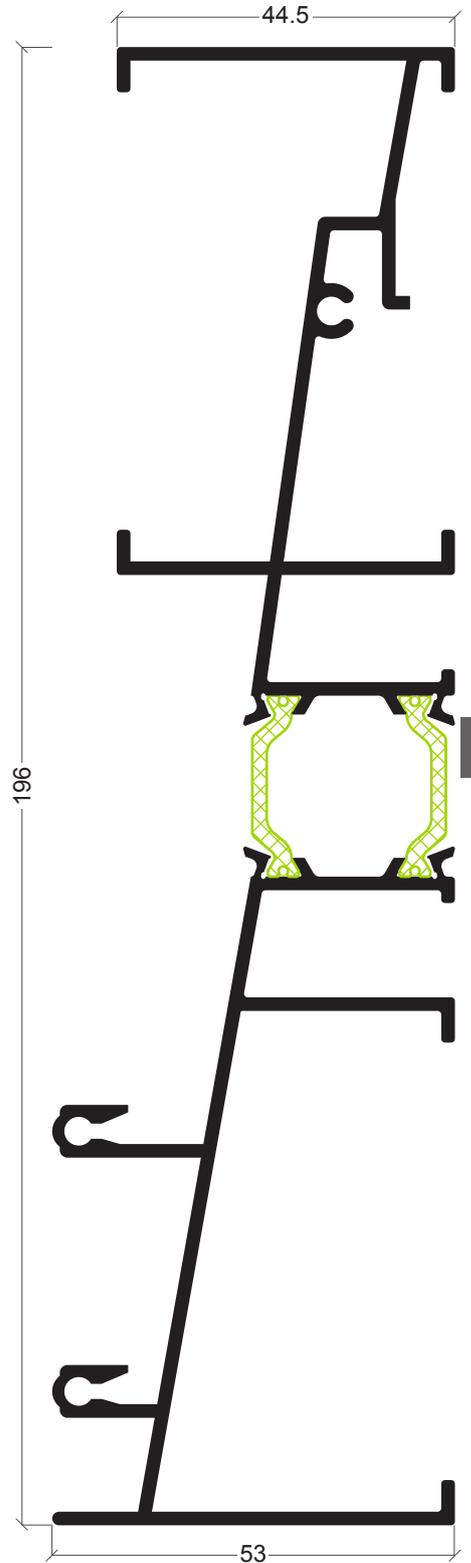
CL-75
Padeira janela dupla



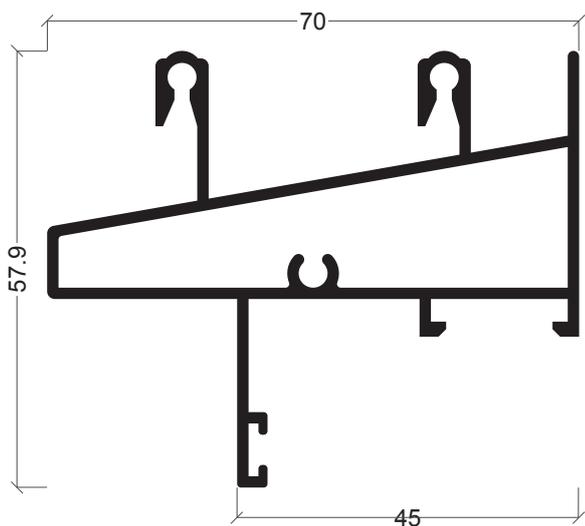
CL-71
Soleira janela dupla



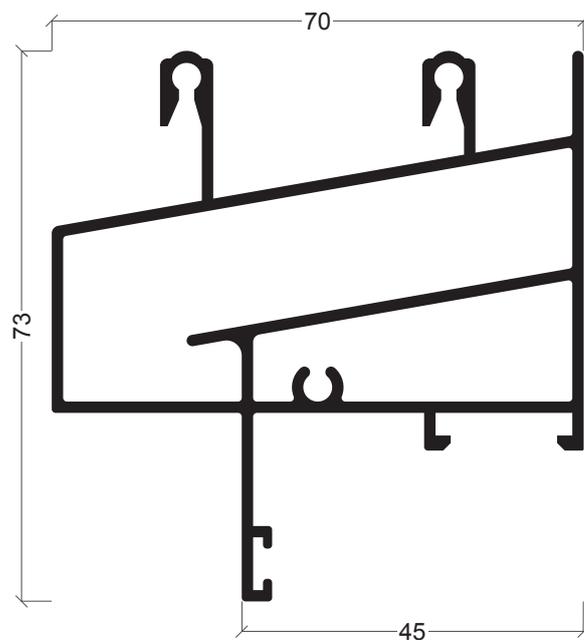
CL-76
Ombreira janela dupla



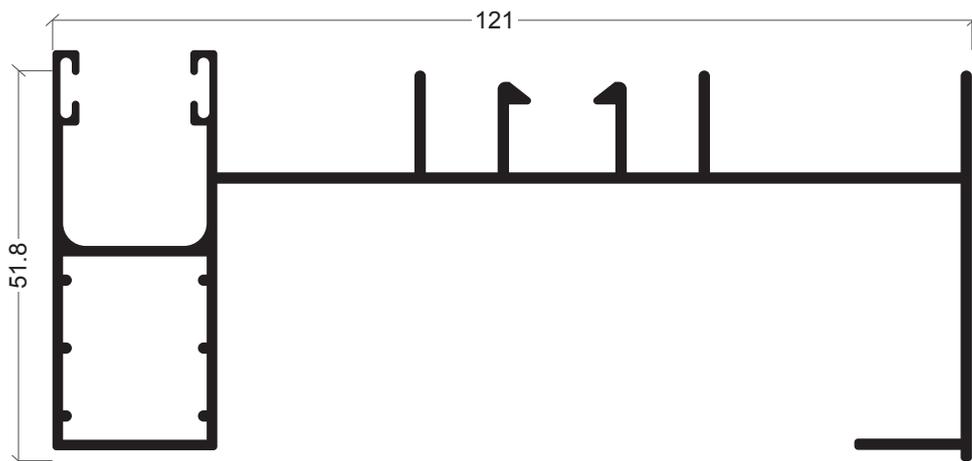
CL-78
Soleira janela dupla



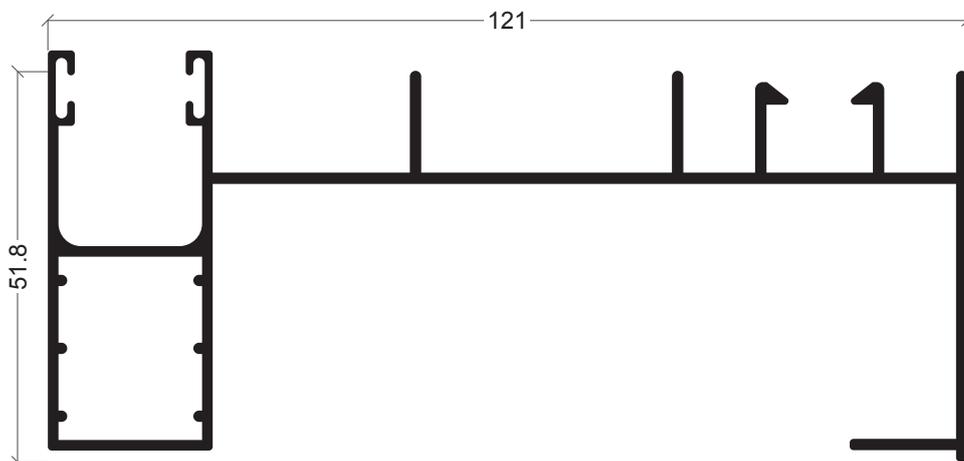
CL-51
Soleira fixo inferior



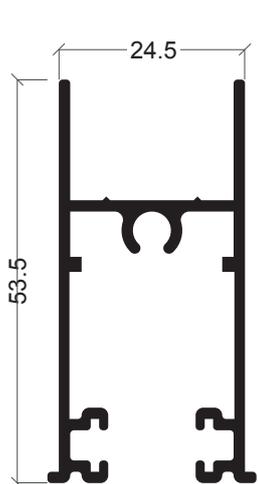
CL-81
Soleira fixo inferior



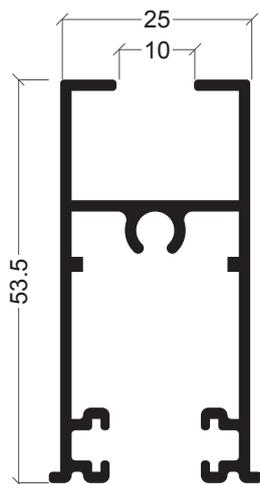
CL-91
Ombreira com calha persiana



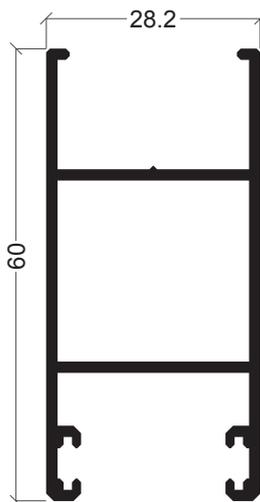
CL-92
Ombreira com calha persiana



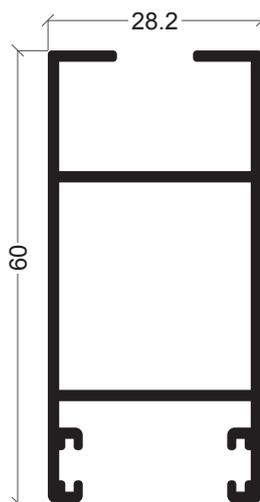
CL-10
Móvel carrinho



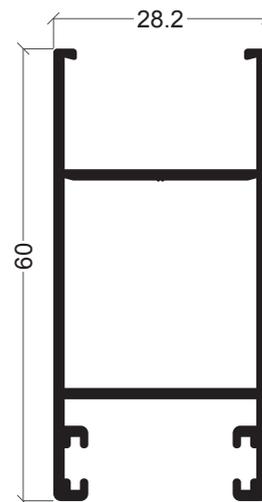
CL-12
Móvel carrinho



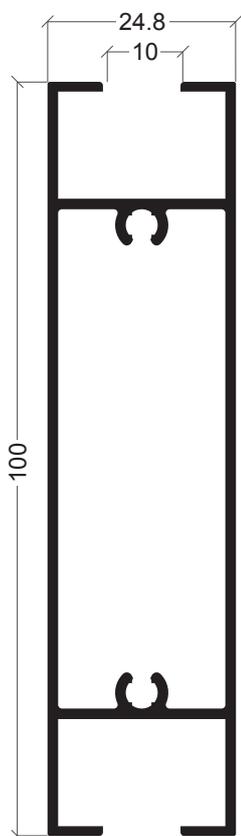
CL-90
Móvel lateral



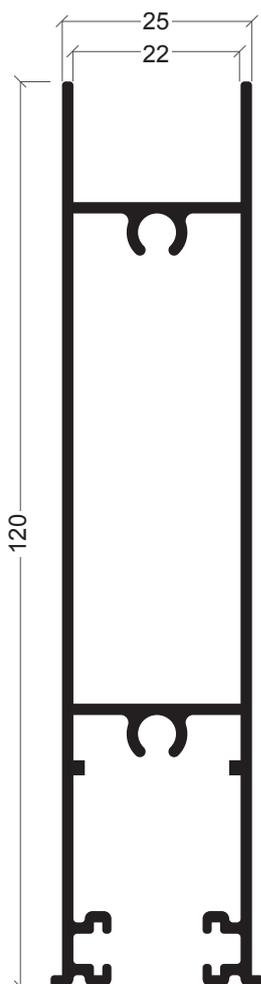
CL-19
Móvel lateral



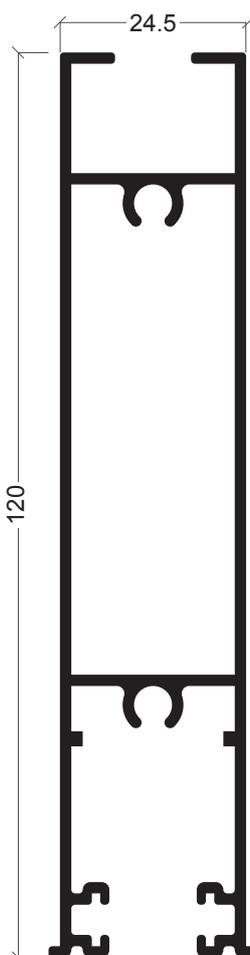
CL-20
Móvel lateral



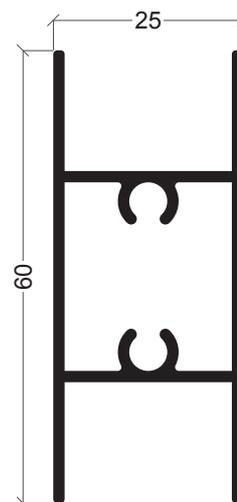
CL-25
Travessa



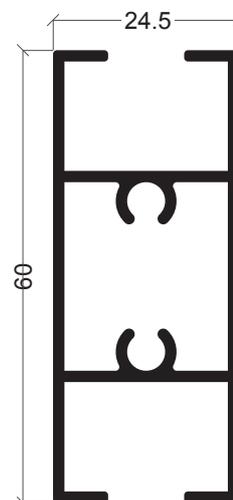
CL-52
Almofada carrinho



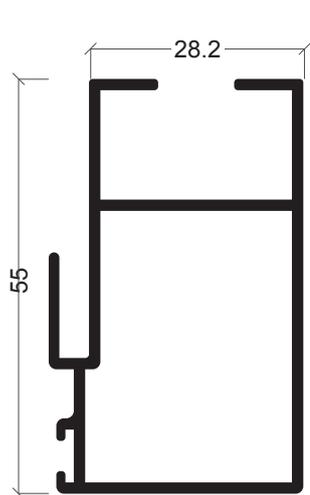
CL-72
Almofada carrinho



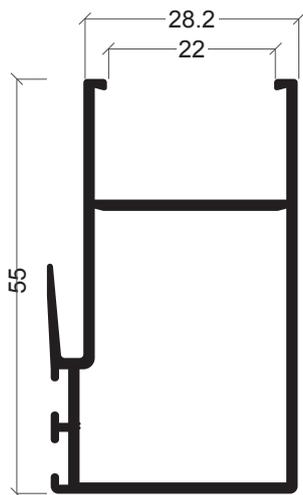
CL-53
Travessa



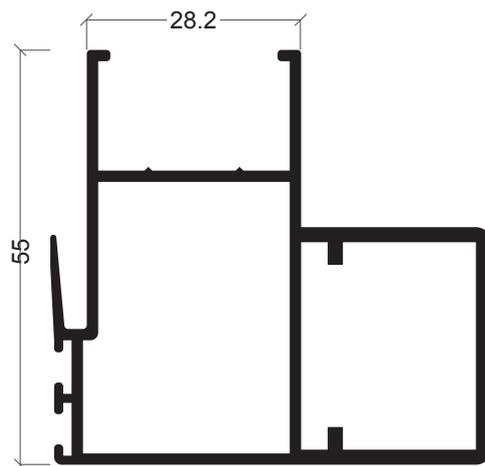
CL-73
Travessa



CL-17
Móvel central



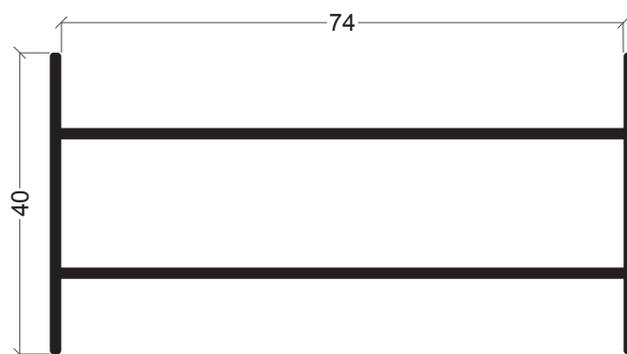
CL-09
Móvel central



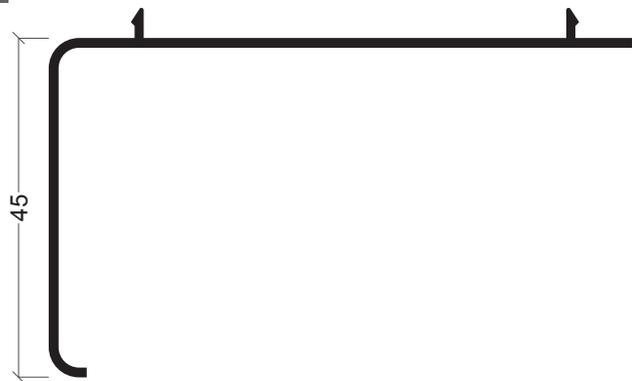
CL-27
Móvel central com reforço



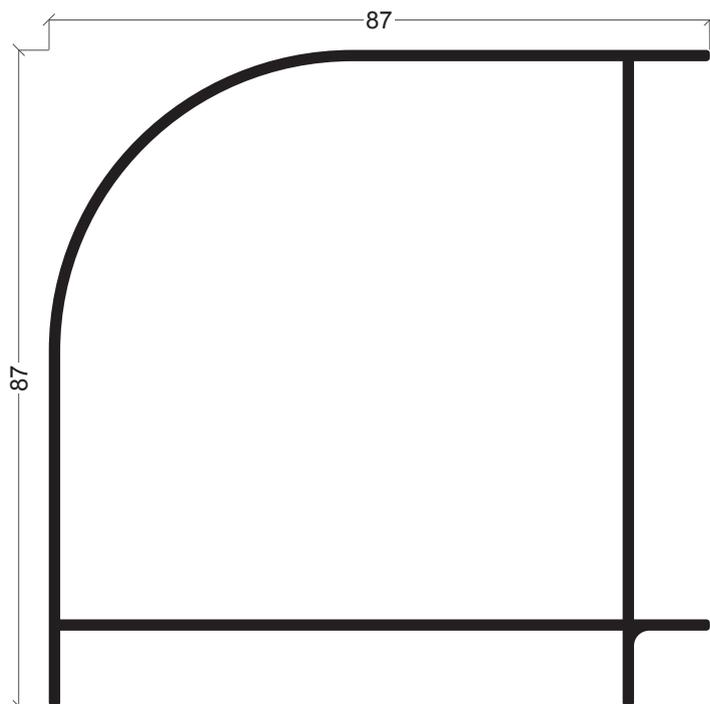
CL-31
União de aros



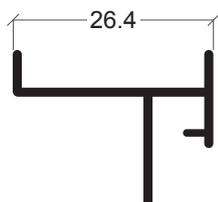
CL-32
União de aros



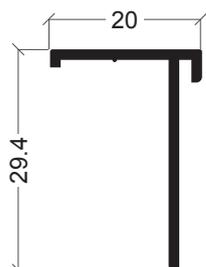
CL-26
Remate



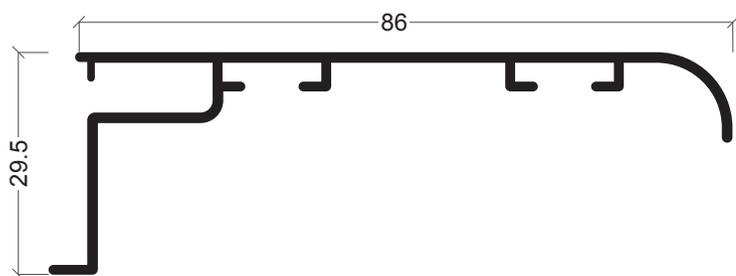
CL-30
Esquina



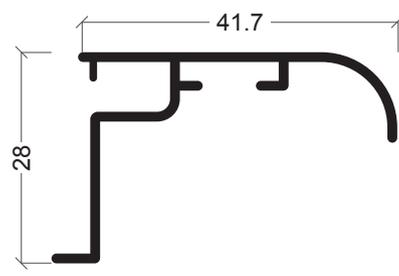
CL-57
Remate persiana



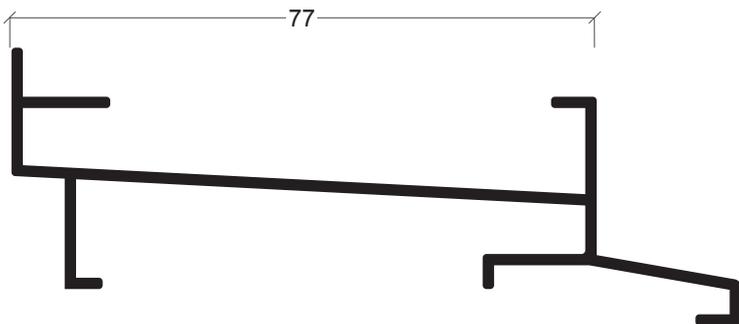
Y-24
Remate p/ apainelado



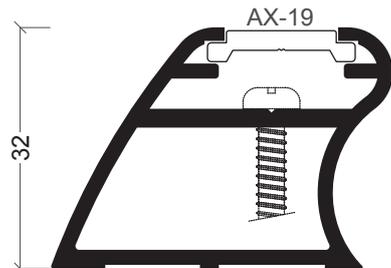
CL-54
Tapa juntas



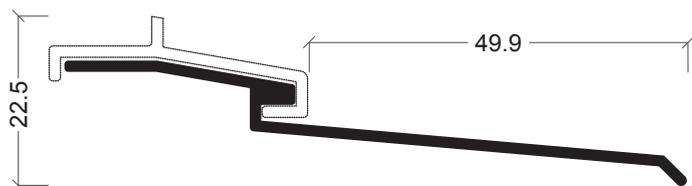
CL-56
Tapa juntas



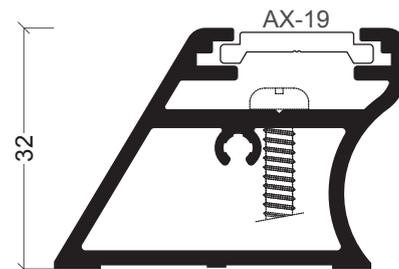
CL-02
Soleira de condensação



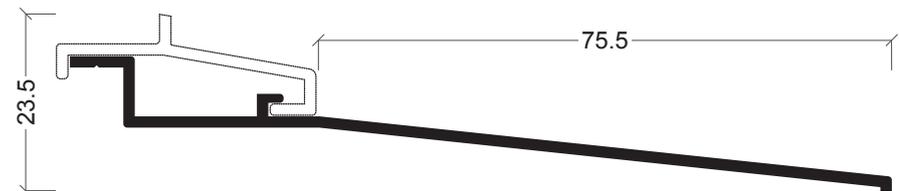
CT-27
Reforço



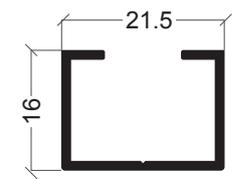
CL-22
Pingadeira



CT-28
Reforço



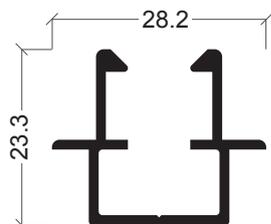
CL-11
Pingadeira



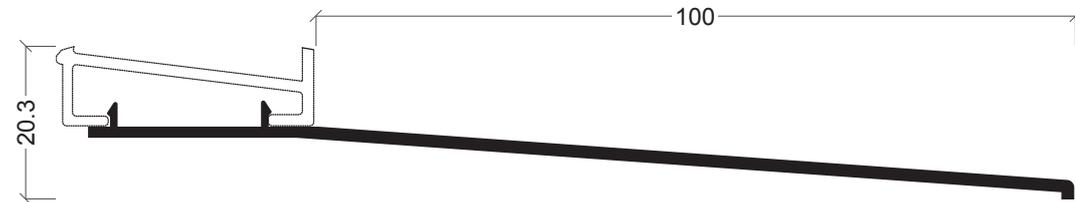
CL-29
Redutor



CL-21
Pingadeira



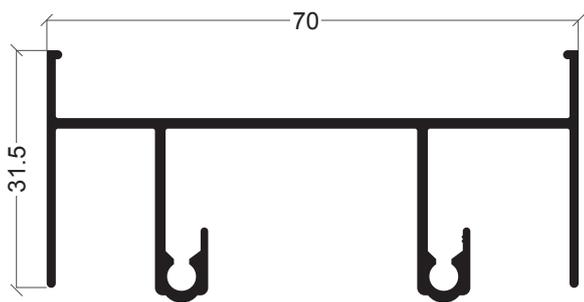
CL-28
União 3/4F



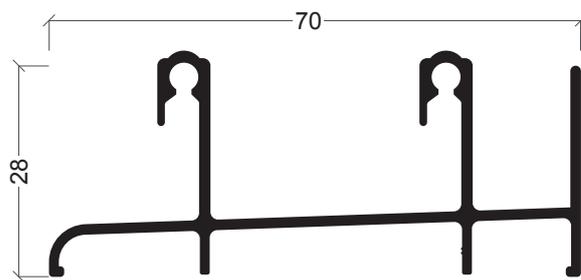
CL-23
Pingadeira



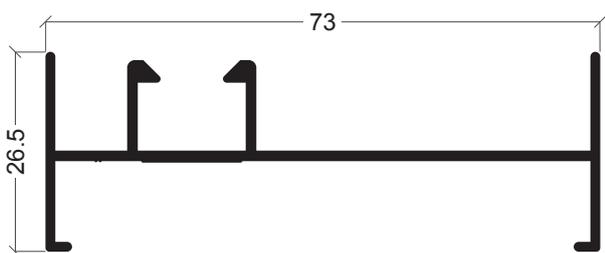
AX-19
Vareta



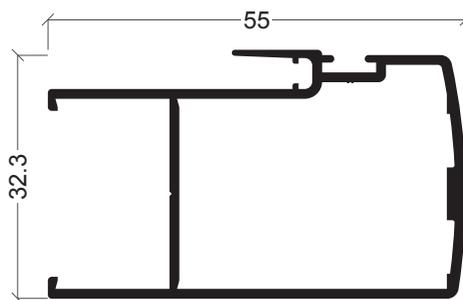
CL-05
Padieira



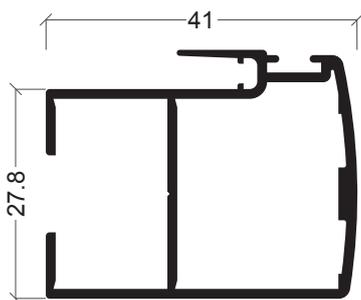
CL-42
Soleira



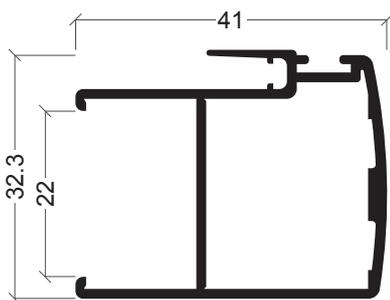
CL-43
Ombreira



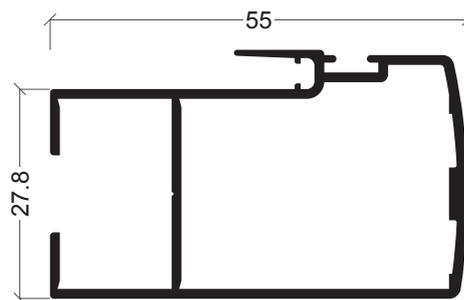
CL-48
Móvel central porta



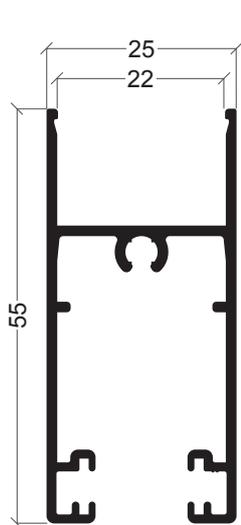
CL-33
Móvel central janela



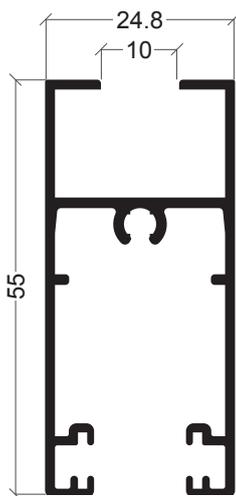
CL-45
Móvel central janela



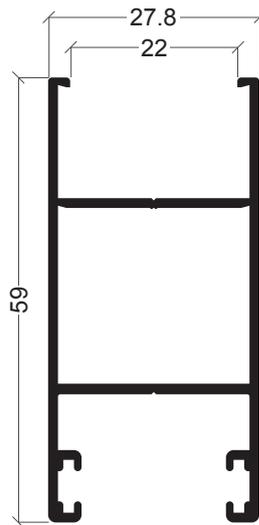
CL-59
Móvel central porta



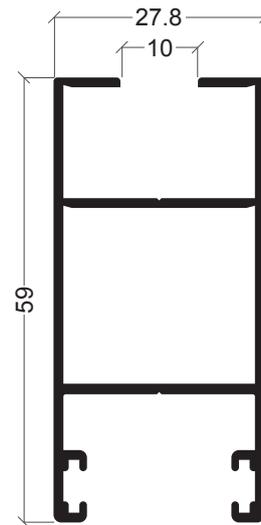
CL-47
Móvel carrinho



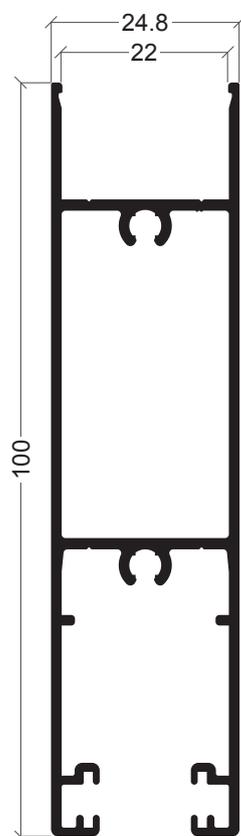
CL-40
Móvel carrinho



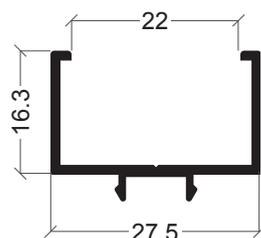
CL-44
Móvel lateral



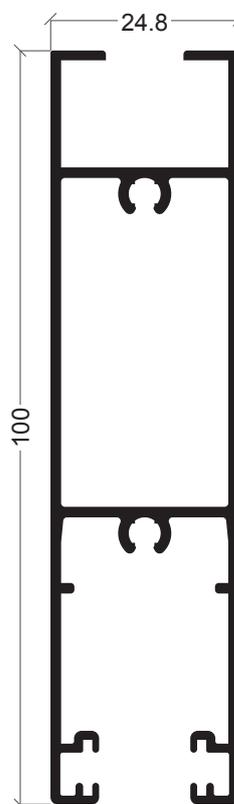
CL-34
Móvel lateral



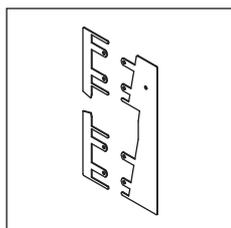
CL-49
Travessa



CL-50
Redutor

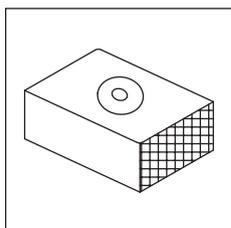


CL-24
Almofada



30 20 50 01

Jogo juntas estanquidade janela dupla



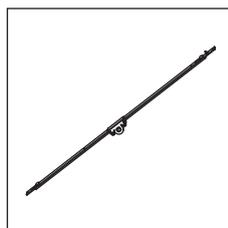
30 91 41 10

Taco anti-levantamento preto



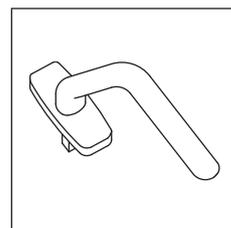
30 91 41 31

Barra 2 pontos com apoios (600 mm)



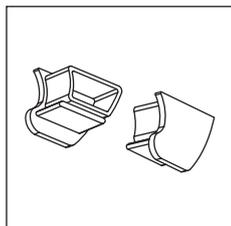
30 91 41 32

Barra 3 pontos com apoios (1670 mm)



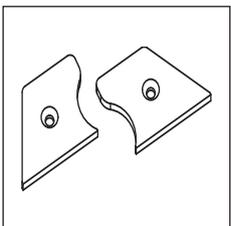
30 91 41 45/46

Cremona desviado direita branco/preto



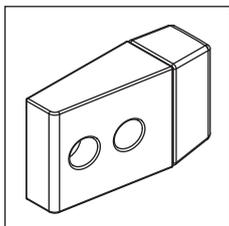
30 91 41 63/64

Jogo topos CT-27 (branco/preto)



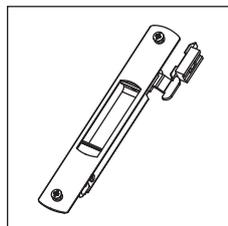
30 91 41 65/66

Jogo topos CT-28 (branco/preto)



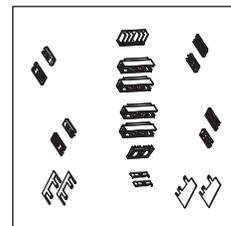
30 91 41 71

Topo limitador de abertura



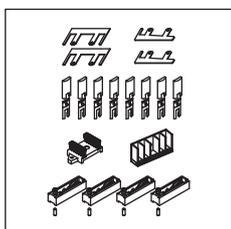
30 91 50 09/10

Fecho lateral (branco/preto)



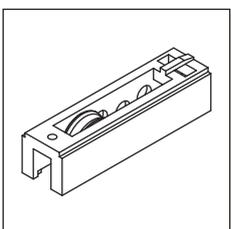
30 91 50 11

Kit CL 2 folhas



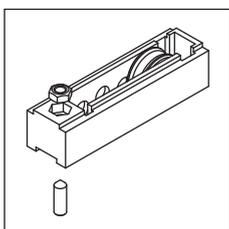
30 91 50 15

Kit correr janela 2 folhas CL-42



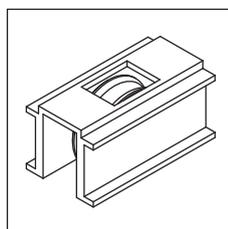
30 91 50 20

Rolamento simples CL-10/12/52/72



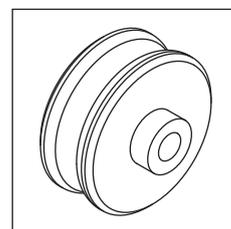
30 91 50 21

Rolamento simples CL Plus (40Kg por folha)



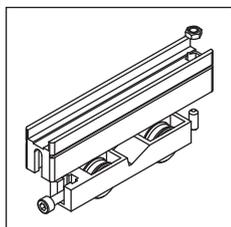
30 91 50 22

Rolamento simples CL-10/12/52/72



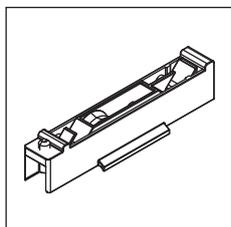
30 91 50 23

Rolamento suplementar (+20Kg por folha)



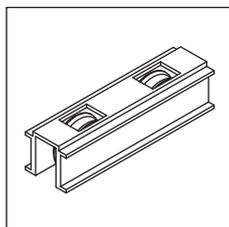
30 91 50 24

Rolamento duplo regulável (80Kg por folha)



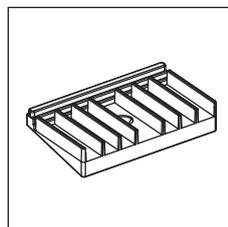
30 91 50 25

Rolamentos simples



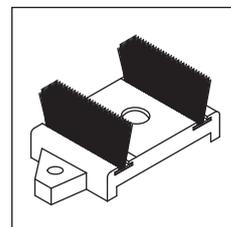
30 91 50 27

Rolamento duplo CL-10/12/52/72



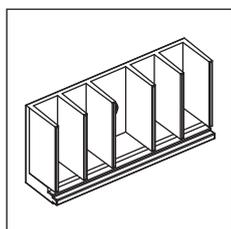
30 91 50 30

Corta-vento inferior CL



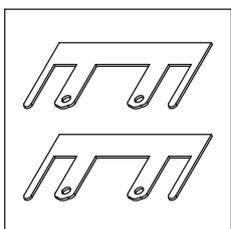
30 91 50 31

Corta ventos inferior CL-42



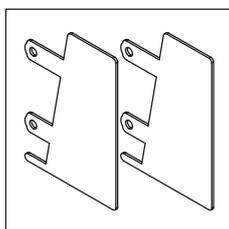
30 91 50 40

Corta-vento superior CL-05/15/75



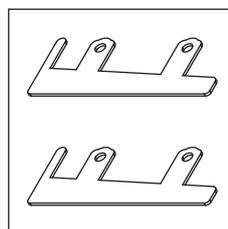
30 91 50 61

Junta estanquidade superior CL-05



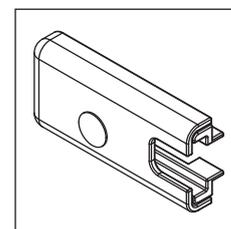
30 91 50 70

Junta estanquidade sup. CL-01/03/63



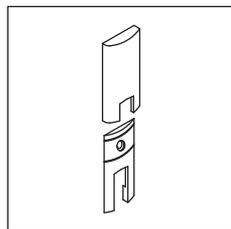
30 91 50 71

Junta estanquidade superior CL-42



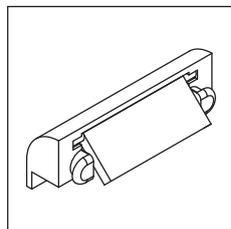
30 91 50 80

Tampa guia lateral CL



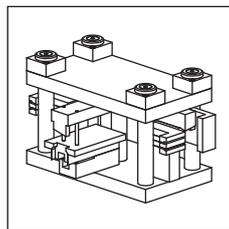
30 91 50 81

Jogo guias lateral CL Plus



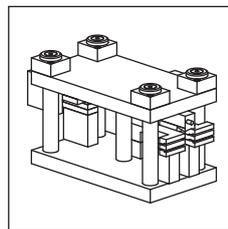
30 92 01 02/03

Goteiras preto / branco



33 21 50 01

Cunho CL dupla

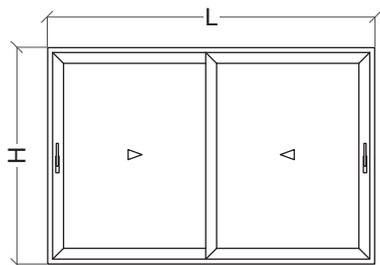


33 95 99 99

Cunho CL

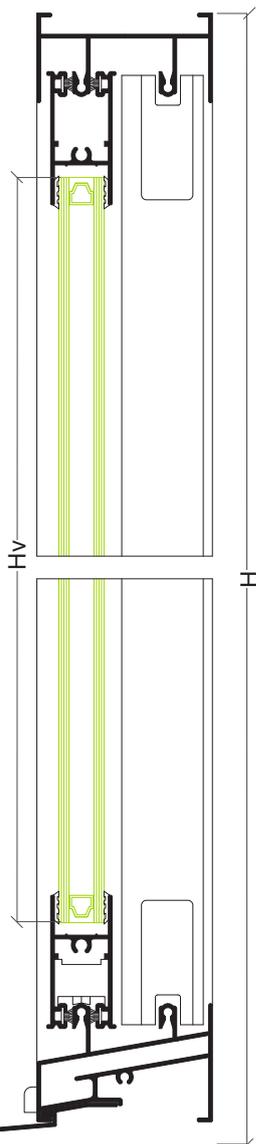
Referência	Desenho	Descrição
30 91 50 86		Junta central
30 91 50 90		Junta U CL/CL Plus vidro 18 mm
30 93 00 65		Junta interior para vidro (5 mm)
30 93 00 66		Junta interior para vidro (4 mm)
30 93 00 67		Junta interior para vidro (2 mm)
30 93 00 68		Junta interior para vidro (6/7 mm)
30 93 00 69		Junta interior para vidro (8/9 mm)
30 95 00 40		Pelúcia 7x5.5 mm
30 95 00 70		Pelúcia 7x3.5 mm
30 95 00 80		Pelúcia 7x5 mm

Janela 2 folhas correr



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	CL-05	Padieira		1	L-40 mm
	CL-01	Soleira		1	L-40 mm
	CL-06	Ombreira		2	H
	CL-10	Móvel carrinho		4	L/2-12 mm
	CL-20	Móvel lateral		2	H-64 mm
	CL-09	Móvel central		2	H-64 mm
	CL-22	Pingadeira		1	L

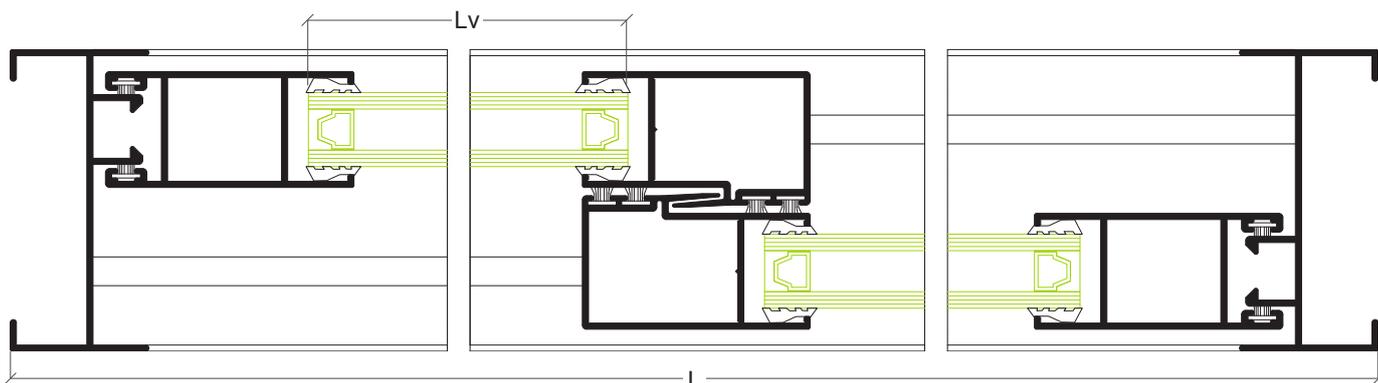


Acessórios e Juntas

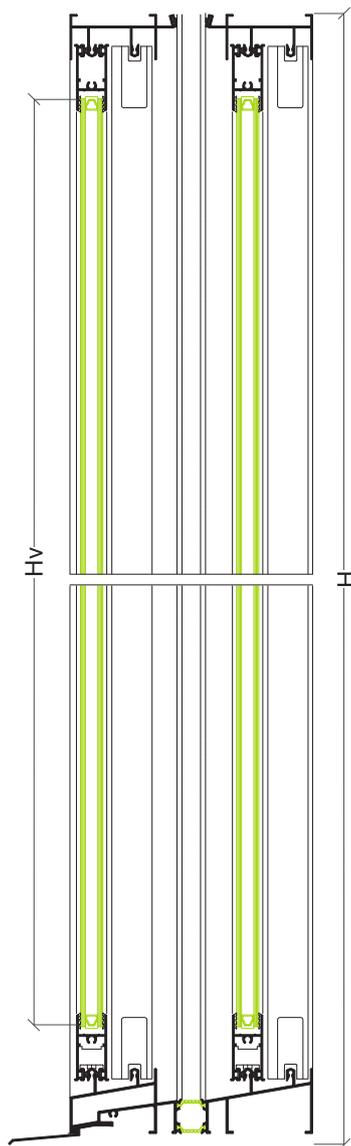
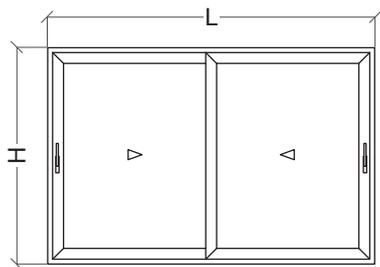
Referência	Descrição	Quantidade
30 91 50 09/10	Fecho lateral	2
30 91 50 22	Rolamentos	4
30 91 50 30	Corta ventos inferior	1
30 91 50 40	Corta ventos superior	1
30 91 50 61	Junta estanquidade superior	1
30 91 50 70	Junta estanquidade inferior	1
30 91 50 80	Tampa guia lateral	4
30 92 01 00	Goteiras	2
30 95 00 40	Pelúcia 7x5.5 mm	8L/2
30 95 00 70	Pelúcia 7x3.5 mm (lateral)	4H
30 95 00 80	Pelúcia 7x5 mm (central)	4H

Vidro

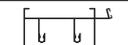
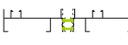
Hv = H-146 mm	Lv = L/2-89 mm
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Janela 2 folhas dupla correr



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	CL-75	Padieira		2	L-46 mm
	CL-71	Soleira		1	L-46 mm
	CL-76	Ombreira		2	H
	CL-10	Móvel carrinho		8	L/2-15 mm
	CL-20	Móvel lateral		4	H-71 mm
	CL-09	Móvel central		4	H-71 mm
	CL-22	Pingadeira		1	L

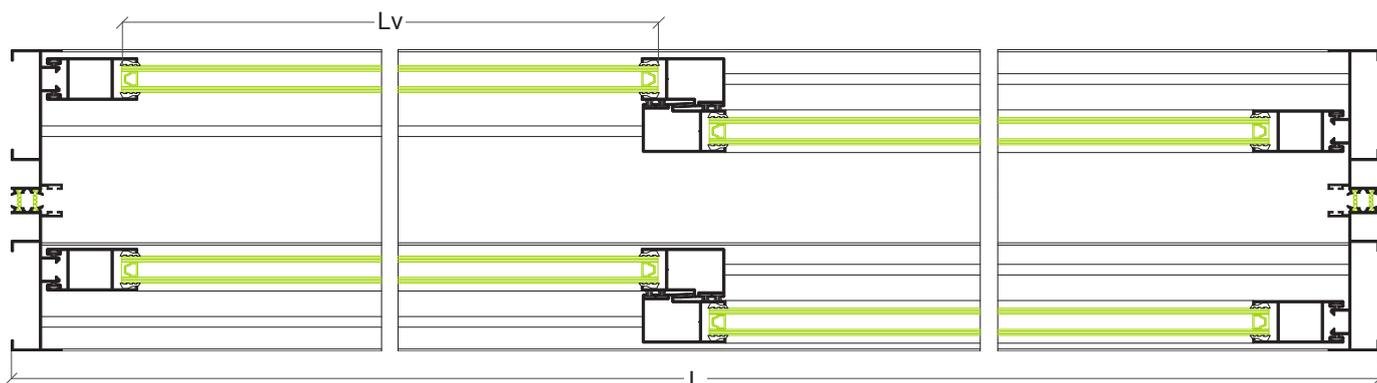
Acessórios e Juntas

Referência	Descrição	Quantidade
30 20 50 01	Jogo juntas estanquidade janela dupla	1
30 91 50 09/10	Fecho lateral	4
30 91 50 22	Rolamentos	8
30 91 50 30	Corta ventos inferior	2
30 91 50 40	Corta ventos superior	2
30 91 50 80	Tampa guia lateral	8
30 91 50 85	Guia de persiana	2
30 92 01 00	Goteiras	2
30 95 00 40	Pelúcia 7x5.5 mm	16L/2 2L
30 95 00 70	Pelúcia 7x3.5 mm (lateral)	8H
30 95 00 80	Pelúcia 7x5 mm (central)	8H

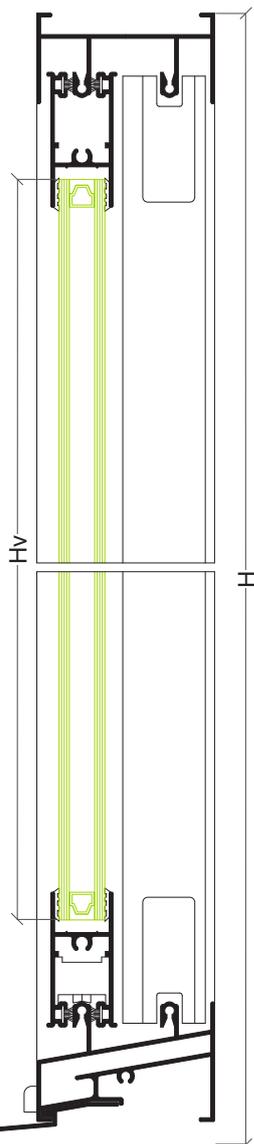
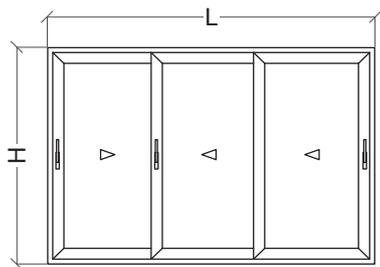
363

Vidro

Hv = H-153 mm	Lv = L/2-92 mm
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Janela 3 folhas correr



Perfis

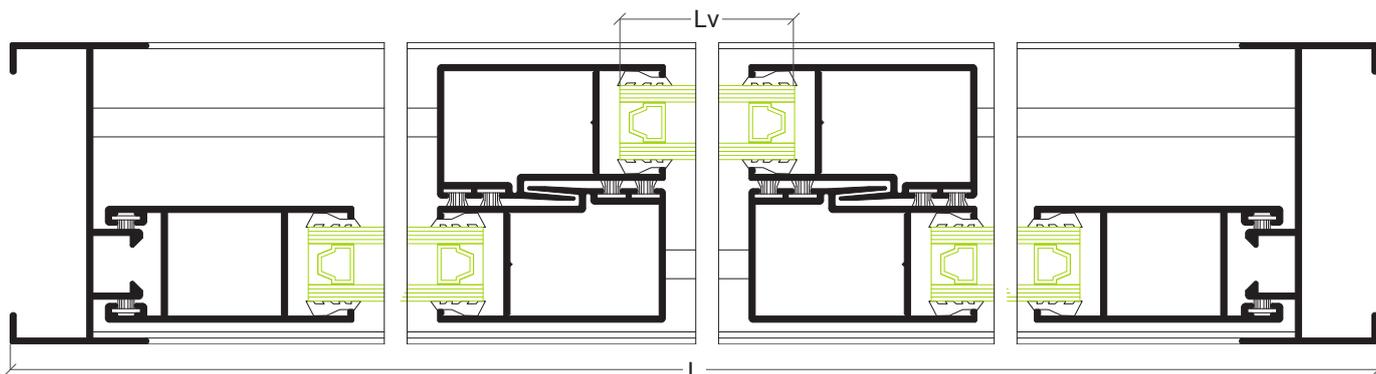
Desenho	Ref	Descrição	Corte	Quant	Medida
	CL-05	Padieira		1	L-40 mm
	CL-01	Soleira		1	L-40 mm
	CL-06	Ombreira		2	H
	CL-10	Móvel carrinho		4	L/3+7 mm
				2	L/3+15 mm
	CL-20	Móvel lateral		2	H-64 mm
	CL-09	Móvel central		4	H-64 mm
	CL-22	Pingadeira		1	L

Acessórios e Juntas

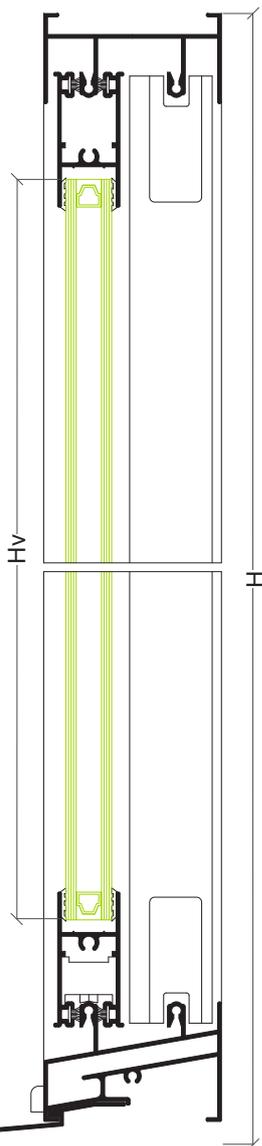
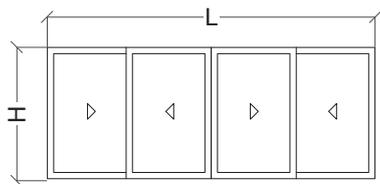
Referência	Descrição	Quantidade
30 91 50 09/10	Fecho lateral	2
30 91 50 22	Rolamentos	6
30 91 50 30	Corta ventos inferior	2
30 91 50 40	Corta ventos superior	2
30 91 50 60	Junta estanquidade superior	1
30 91 50 70	Junta estanquidade inferior	1
30 91 50 80	Tampa guia lateral	8
30 92 01 00	Goteiras	2
30 95 00 40	Pelúcia 7x5.5 mm	12L/3
30 95 00 70	Pelúcia 7x3.5 mm (lateral)	4H
30 95 00 80	Pelúcia 7x5 mm (central)	4H

Vidro

Hv = H2-85 mm	Lv = L/2-89 mm
Hv = H1-166 mm	Lv = L/2-89 mm



Janela 4 folhas correr



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	CL-05	Padieira		1	L-40 mm
	CL-01	Soleira		1	L-40 mm
	CL-06	Ombreira		2	H
	CL-10	Móvel carrinho		8	L/4-2 mm
	CL-20	Móvel lateral		4	H-64 mm
	CL-09	Móvel central		4	H-64 mm
	CL-28	União de 4 folhas		1	H-64 mm
	CL-22	Pingadeira		1	L

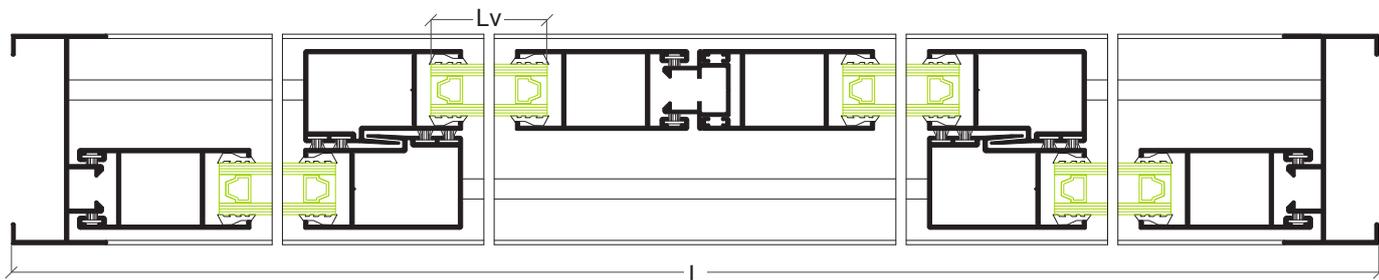
Acessórios e Juntas

Referência	Descrição	Quantidade
30 91 50 09/10	Fecho lateral	3
30 91 50 22	Rolamentos	8
30 91 50 30	Corta ventos inferior	3
30 91 50 40	Corta ventos superior	3
30 91 50 60	Junta estanquidade superior	1
30 91 50 70	Junta estanquidade inferior	1
30 91 50 80	Tampa guia lateral	8
30 92 01 00	Goteiras	3
30 95 00 40	Pelúcia 7x5.5 mm	16L/4
30 95 00 70	Pelúcia 7x3.5 mm (lateral)	6H
30 95 00 80	Pelúcia 7x5 mm (central)	8H

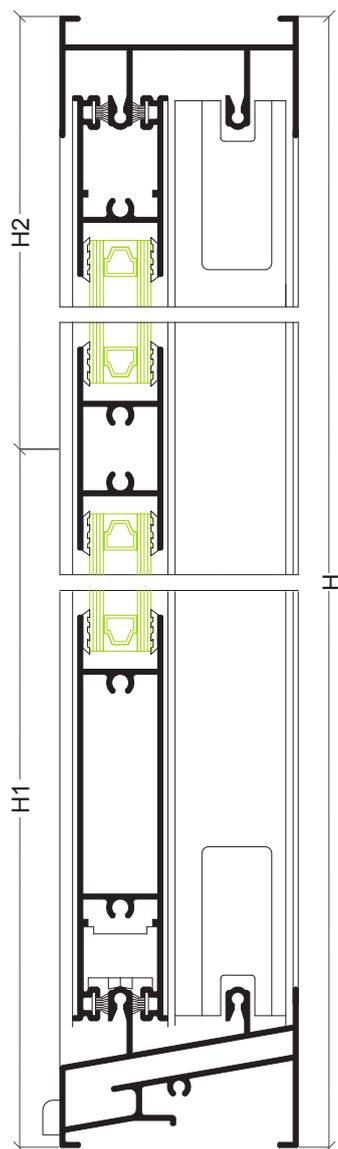
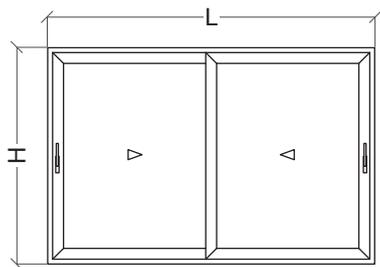
365

Vidro

Hv = H-146 mm	Lv = L/4-78 mm
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Porta 2 folhas correr



Perfis

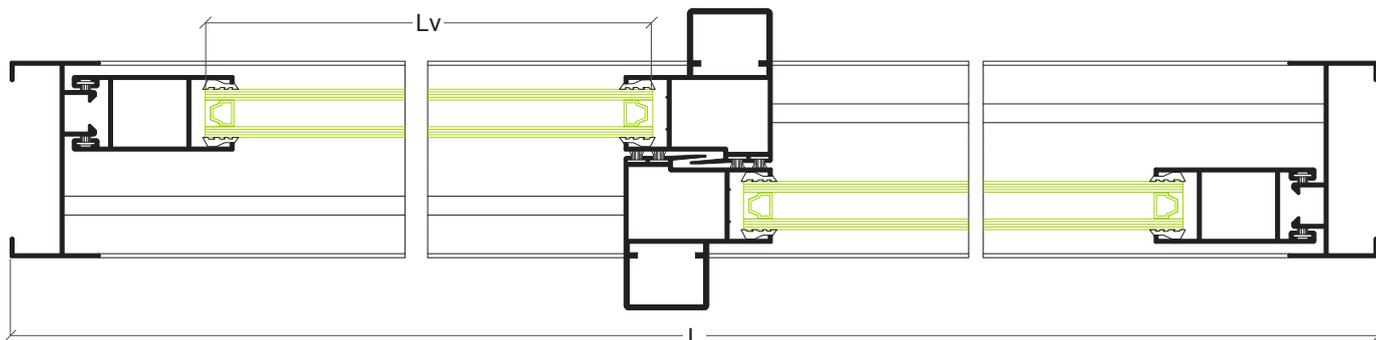
Desenho	Ref	Descrição	Corte	Quant	Medida
	CL-05	Padieira		1	L-40 mm
	CL-01	Soleira		1	L-40 mm
	CL-06	Ombreira		2	H
	CL-10	Móvel carrinho		4	L/2-12 mm
	CL-20	Móvel lateral		2	H-64 mm
	CL-27	Móvel central		2	H-64 mm
	CL-52	Almofada		2	L/2-12 mm
	CL-53	Travessa		2	L/2-12 mm

Acessórios e Juntas

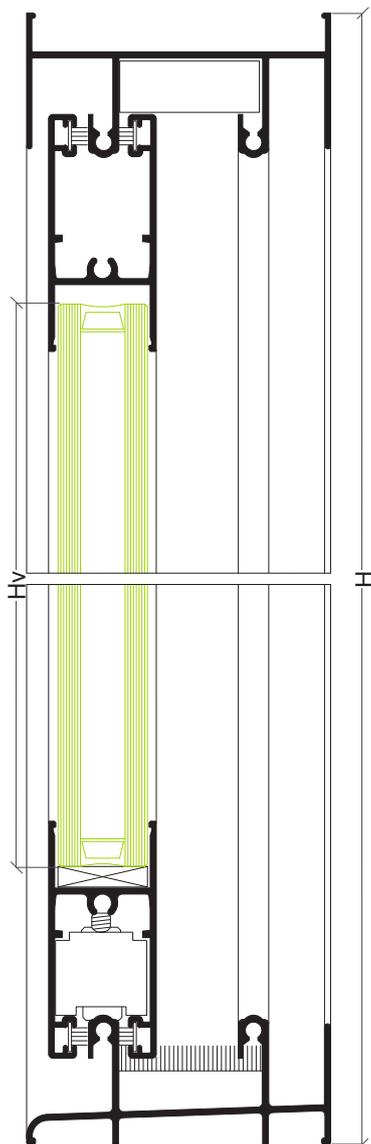
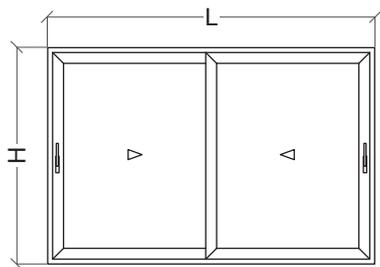
Referência	Descrição	Quantidade
30 91 50 09/10	Fecho lateral	2
30 91 50 27	Rolamentos	4
30 91 50 30	Corta ventos inferior	1
30 91 50 40	Corta ventos superior	1
30 91 50 60	Junta estanquidade superior	1
30 91 50 70	Junta estanquidade inferior	1
30 91 50 80	Tampa guia lateral	4
30 92 01 00	Goteiras	2
30 95 00 40	Pelúcia 7x5.5 mm	8L/2
30 95 00 70	Pelúcia 7x3.5 mm (lateral)	4H
30 95 00 80	Pelúcia 7x5 mm (central)	4H

Vidro

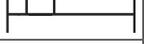
Hv = H2-85 mm	Lv = L/2-89 mm
Hv = H1-166 mm	Lv = L/2-89 mm



Janela 2 folhas correr



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	CL-05	Padieira		1	L-28 mm
	CL-42	Soleira		1	L-28 mm
	CL-43	Ombreira		2	H
	CL-47	Móvel carrinho		4	L/2-16 mm
	CL-44	Móvel lateral		2	H-43.5 mm
	CL-45	Móvel central		2	H-43.5 mm

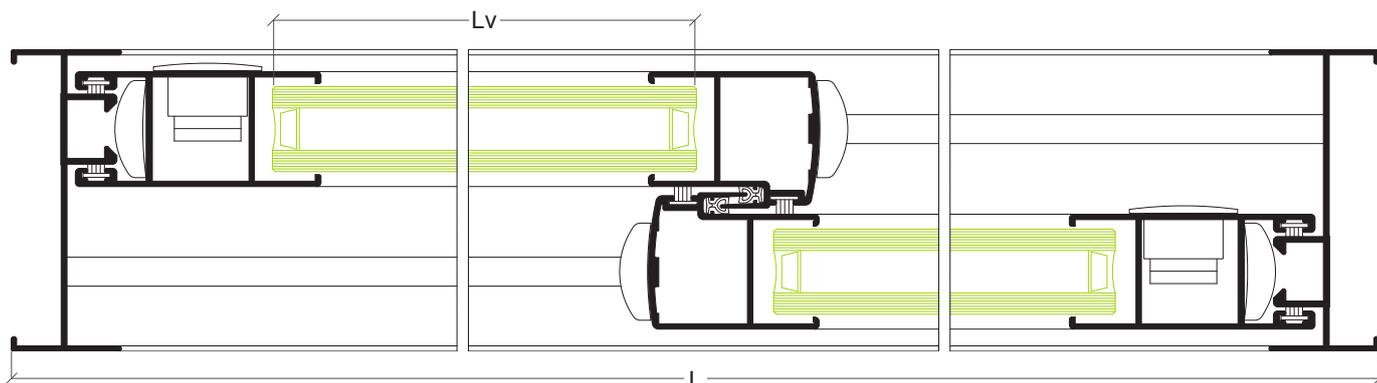
Acessórios e Juntas

Referência	Descrição	Quantidade
30 91 50 09/10	Fecho lateral	2
30 91 50 21	Rolamentos simples	4
30 91 50 31	Corta ventos inferior	1
30 91 50 40	Corta ventos superior	1
30 91 50 61	Junta estanquidade superior	1
30 91 50 71	Junta estanquidade inferior	1
30 91 50 81	Jogo guias lateral	8
30 95 00 40	Pelúcia 7x5.5 mm	4L+2H
30 95 00 70	Pelúcia 7x3.5 mm (lateral)	4H
30 91 50 86	Junta central	2H

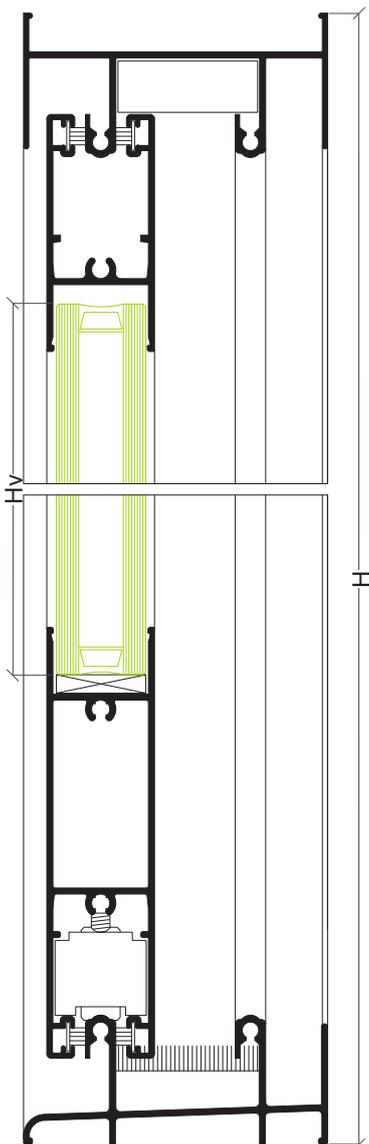
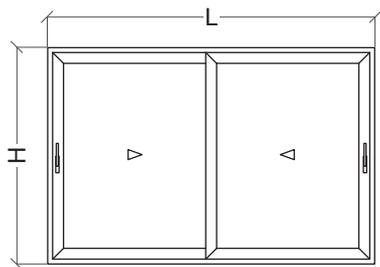
367

Vidro

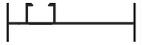
Hv = H-132 mm	Lv = L/2-73 mm
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Porta 2 folhas correr



Perfis

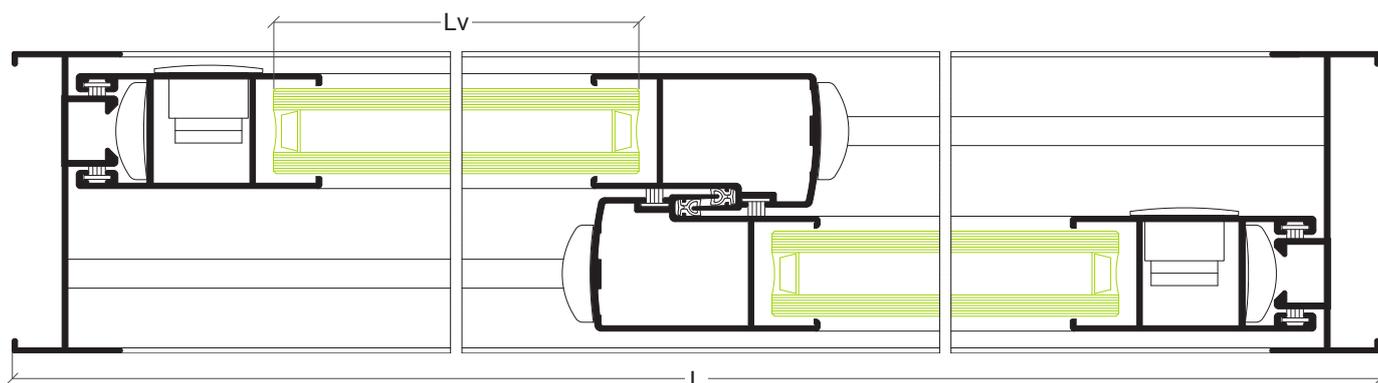
Desenho	Ref	Descrição	Corte	Quant	Medida
	CL-05	Padieira		1	L-28 mm
	CL-42	Soleira		1	L-28 mm
	CL-43	Ombreira		2	H
	CL-47	Móvel carrinho		4	L/2-9 mm
	CL-44	Móvel lateral		2	H-43.5 mm
	CL-48	Móvel central		2	H-43.5 mm
	CL-49	Travessa		2	L/2-9 mm

Acessórios e Juntas

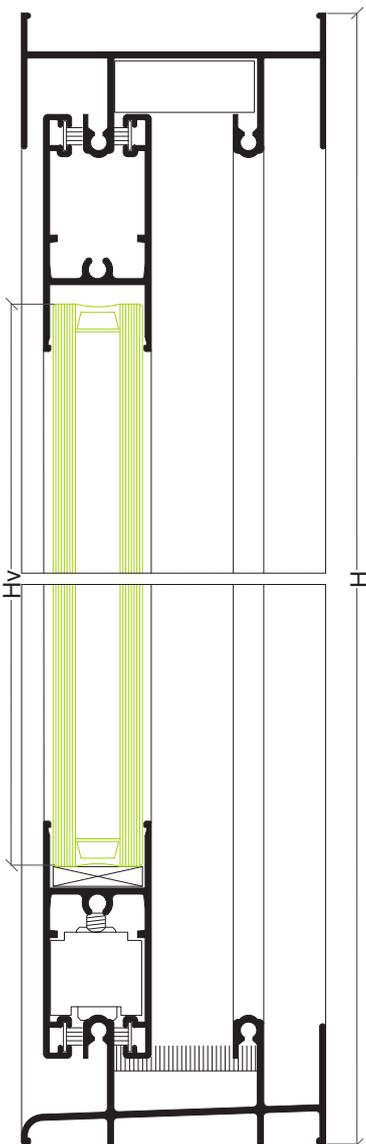
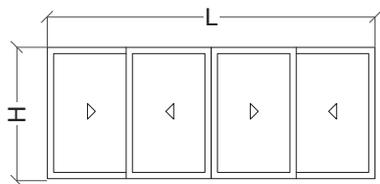
Referência	Descrição	Quantidade
30 91 50 09/10	Fecho lateral	2
30 91 50 21	Rolamentos simples	4
30 91 50 23	Rolamentos suplementares	4
30 91 50 31	Corta ventos inferior	1
30 91 50 40	Corta ventos superior	1
30 91 50 61	Junta estanquidade superior	1
30 91 50 71	Junta estanquidade inferior	1
30 91 50 81	Jogo guias lateral	8
30 95 00 40	Pelúcia 7x5.5 mm	4L+2H
30 95 00 70	Pelúcia 7x3.5 mm (lateral)	4H
30 91 50 86	Junta central	2H

Vidro

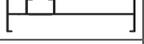
Hv = H-177 mm	Lv = L/2-80 mm
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Janela 4 folhas correr



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	CL-05	Padieira		1	L-28 mm
	CL-42	Soleira		1	L-28 mm
	CL-43	Ombreira		2	H
	CL-47	Móvel carrinho		8	L/4-9 mm
	CL-44	Móvel lateral		4	H-43.5 mm
	CL-45	Móvel central		4	H-43.5 mm
	CL-28	União 3/4F		1	H-43.5 mm

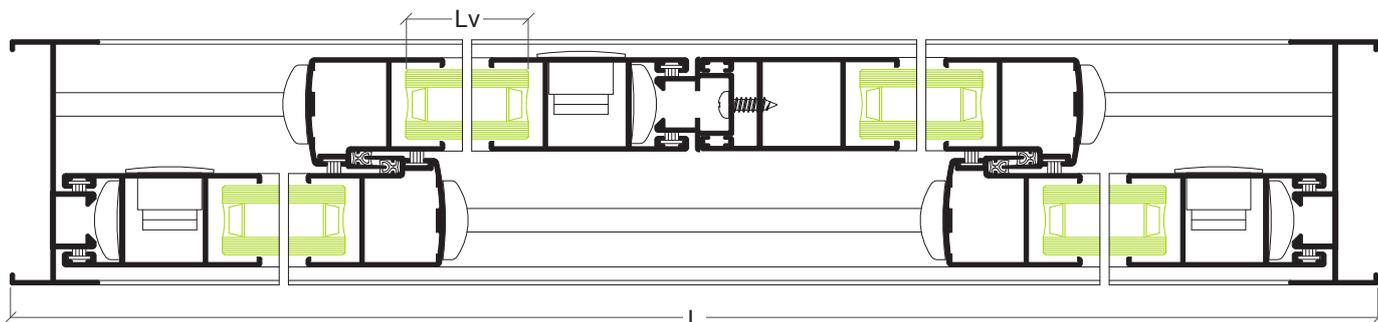
Acessórios e Juntas

Referência	Descrição	Quantidade
30 91 50 09/10	Fecho lateral	3
30 91 50 21	Rolamentos simples	8
30 91 50 31	Corta ventos inferior	3
30 91 50 40	Corta ventos superior	3
30 91 50 61	Junta estanquidade superior	1
30 91 50 71	Junta estanquidade inferior	1
30 91 50 81	Jogo guias lateral	14
30 95 00 40	Pelúcia 7x5.5 mm	4L+4H
30 95 00 70	Pelúcia 7x3.5 mm	6H
30 91 50 86	Junta central	4H

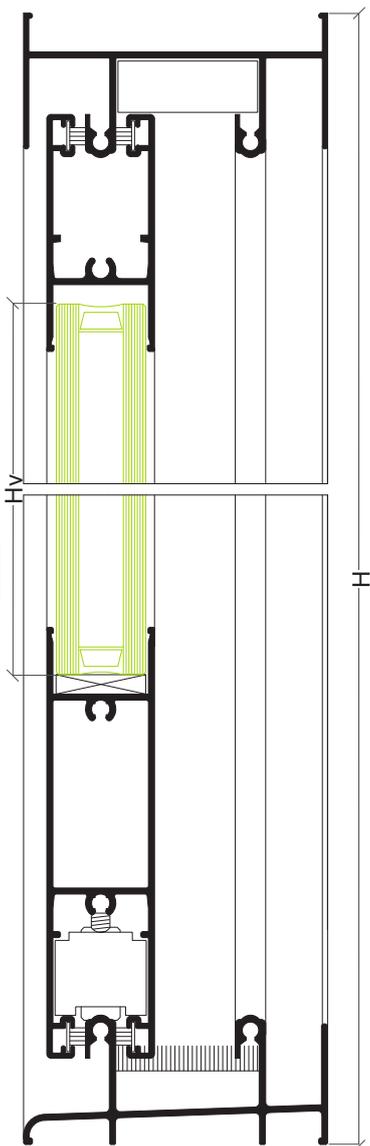
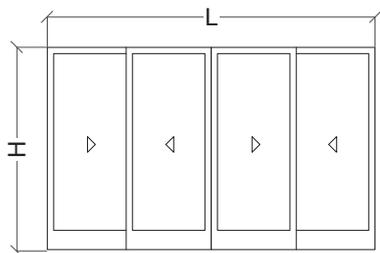
369

Vidro

Hv = H-132 mm	Lv = L/4-66 mm
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Porta 4 folhas correr



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	CL-05	Padieira		1	L-28 mm
	CL-42	Soleira		1	L-28 mm
	CL-43	Ombreira		2	H
	CL-47	Móvel carrinho		4	L/4-2 mm
	CL-44	Móvel lateral		4	H-43.5 mm
	CL-48	Móvel central		4	H-43.5 mm
	CL-49	Travessa		4	L/4-2 mm
	CL-28	União 3/4F		1	H-43.5 mm

Acessórios e Juntas

Referência	Descrição	Quantidade
30 91 50 09/10	Fecho lateral	3
30 91 50 21	Rolamentos simples	4
30 91 50 23	Rolamentos suplementares	4
30 91 50 31	Corta ventos inferior	3
30 91 50 40	Corta ventos superior	3
30 91 50 61	Junta estanquidade superior	1
30 91 50 71	Junta estanquidade inferior	1
30 91 50 81	Jogo guias lateral	14
30 95 00 40	Pelúcia 7x5.5 mm	4L+4H
30 95 00 70	Pelúcia 7x3.5 mm	6H
30 91 50 86	Junta central	4H

Vidro

Hv = H-177 mm	Lv = L/4-73 mm
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