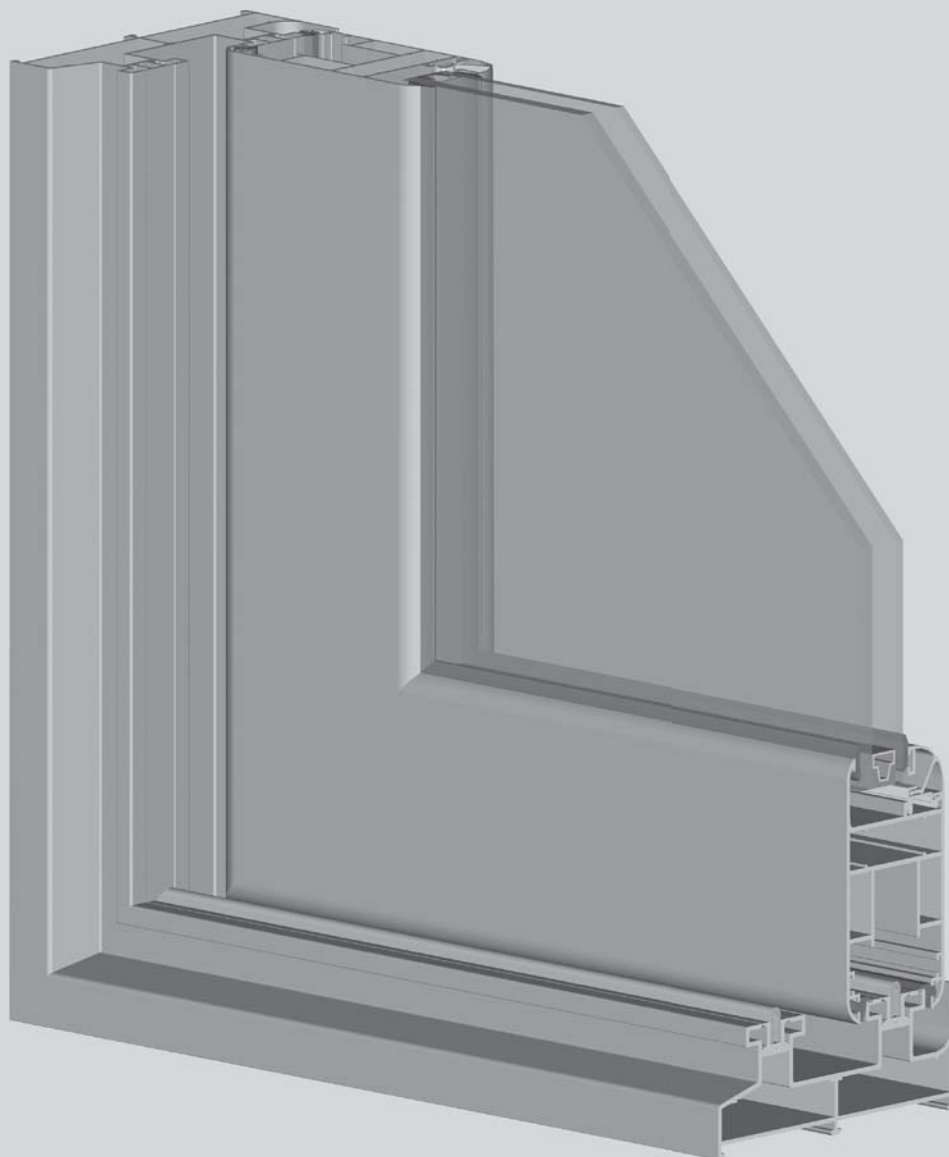
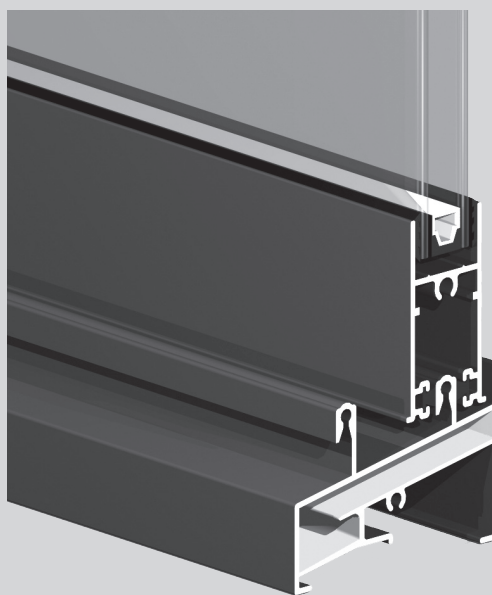


[www.dineru.com](http://www.dineru.com)



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**SISTEMAS DE CORRER**



**Sistema**

**CL**

## Sistema CL

Sistema de correr - 78 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)

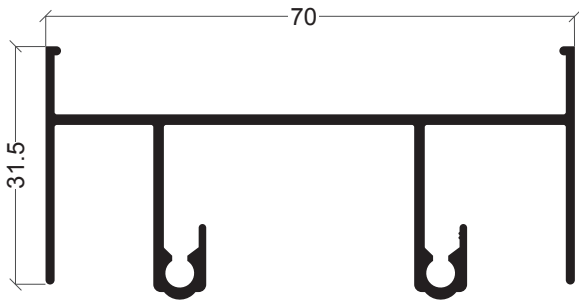
Coefficiente de transmissão térmica de vão de 2 folhas com 1.80 m x 2.20m com vidro  $U_g = 1.8 \text{ W/m}^2\text{K}$  com intercalar efeito "Warm Edge":

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

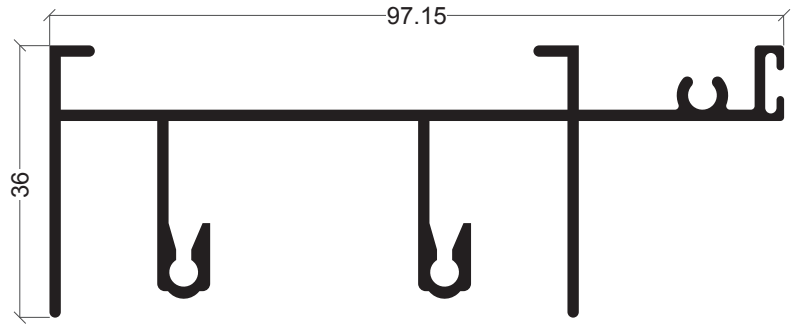
Coefficiente de atenuação acústica de vão de 2 folhas com vidro 4/10/4 acústico:

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

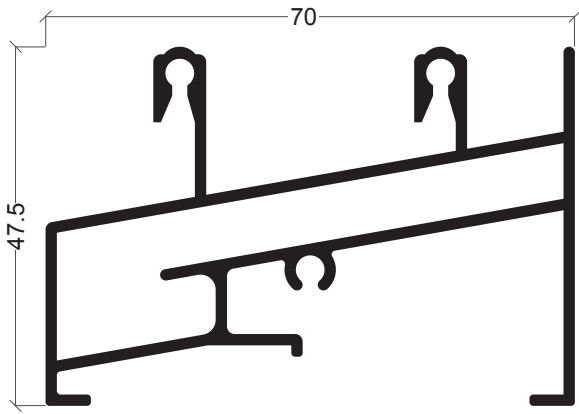
Zonas de aplicação segundo RCCTE (em função do valor  $U_g$ ): I1, I2, I3, V1, V2, V3;



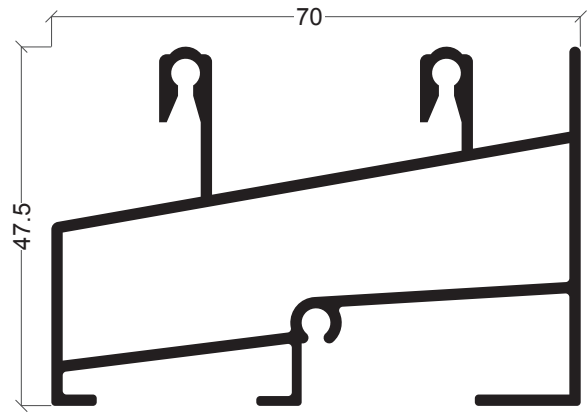
**CL-05**  
Padieira



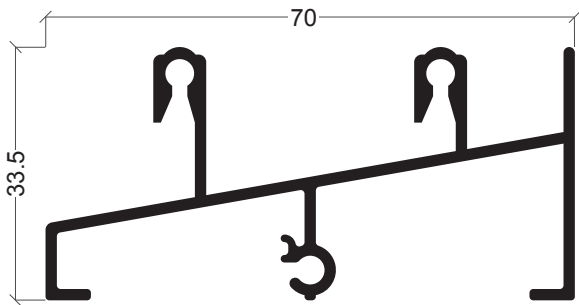
**CL-15**  
Padieira



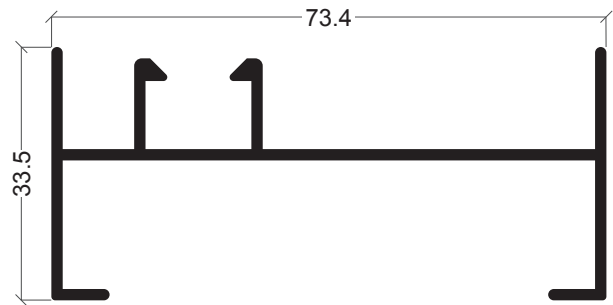
**CL-01**  
Soleira



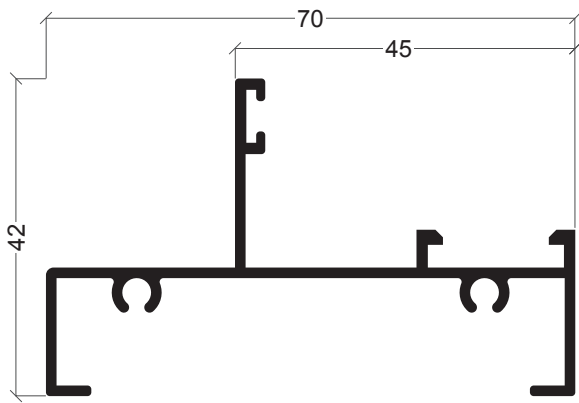
**CL-03**  
Soleira



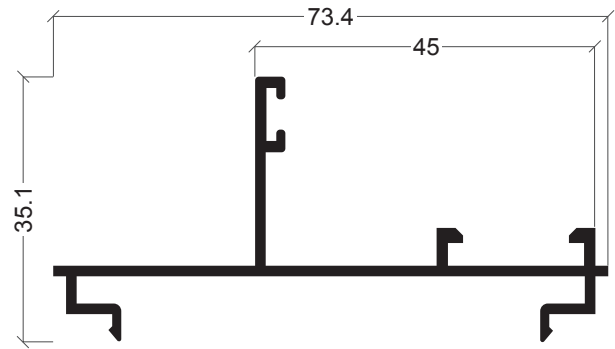
**CL-61**  
Soleira



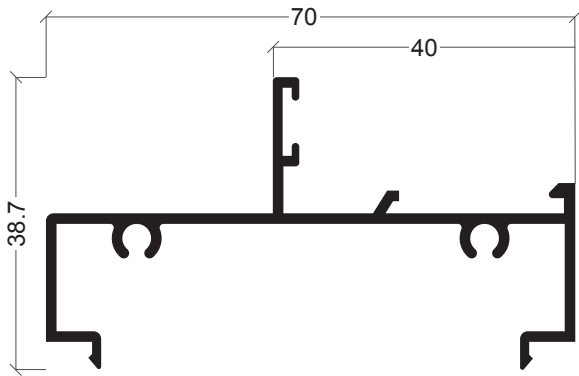
**CL-06**  
Ombreira



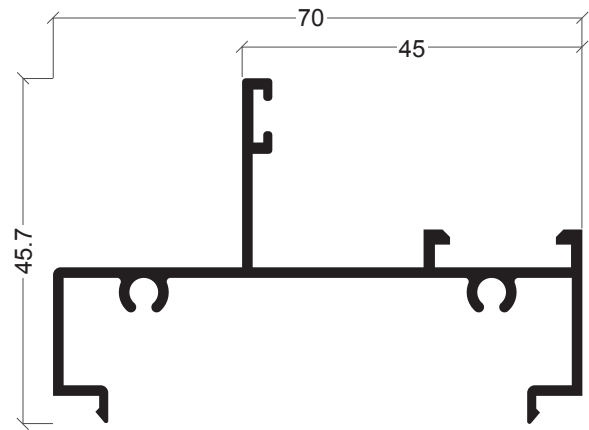
**CL-58**  
Complemento fixo



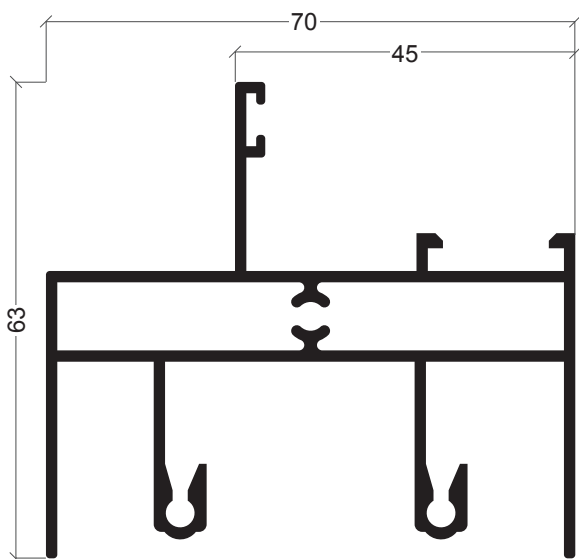
**CL-39**  
Complemento fixo



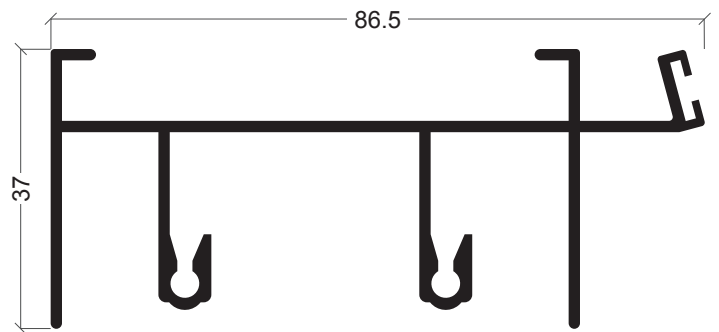
**CL-18**  
Complemento fixo



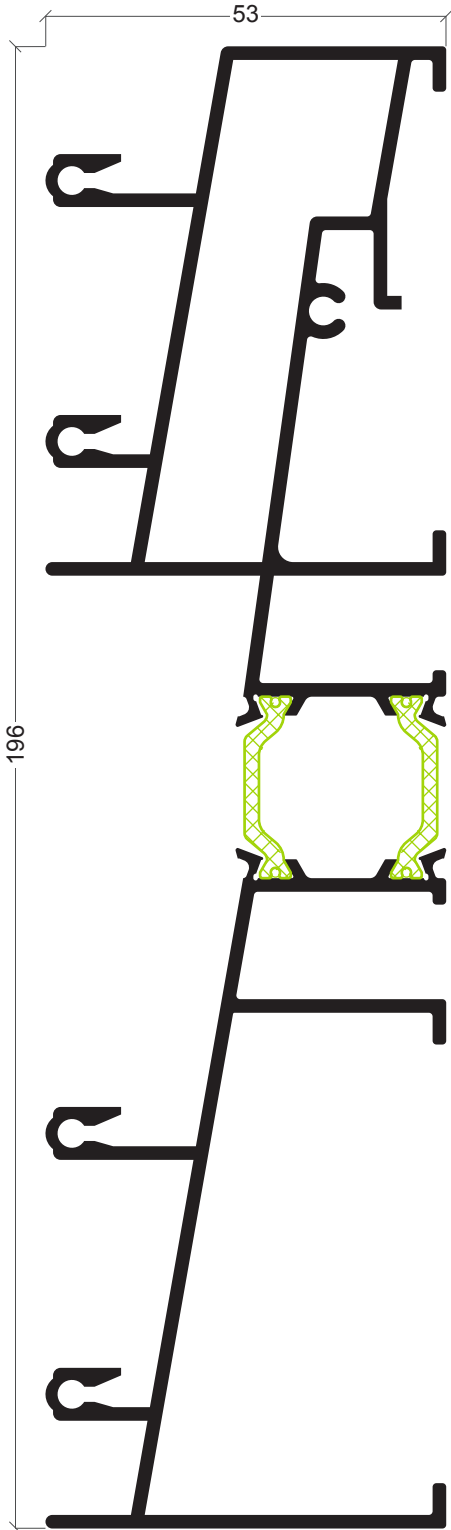
**CL-08**  
Complemento fixo



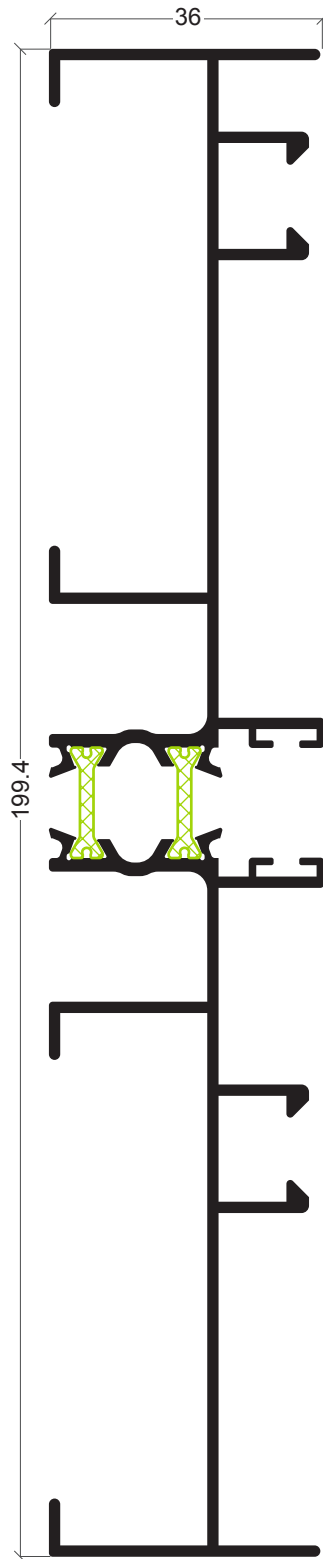
**CL-55**  
Padeira fixo superior



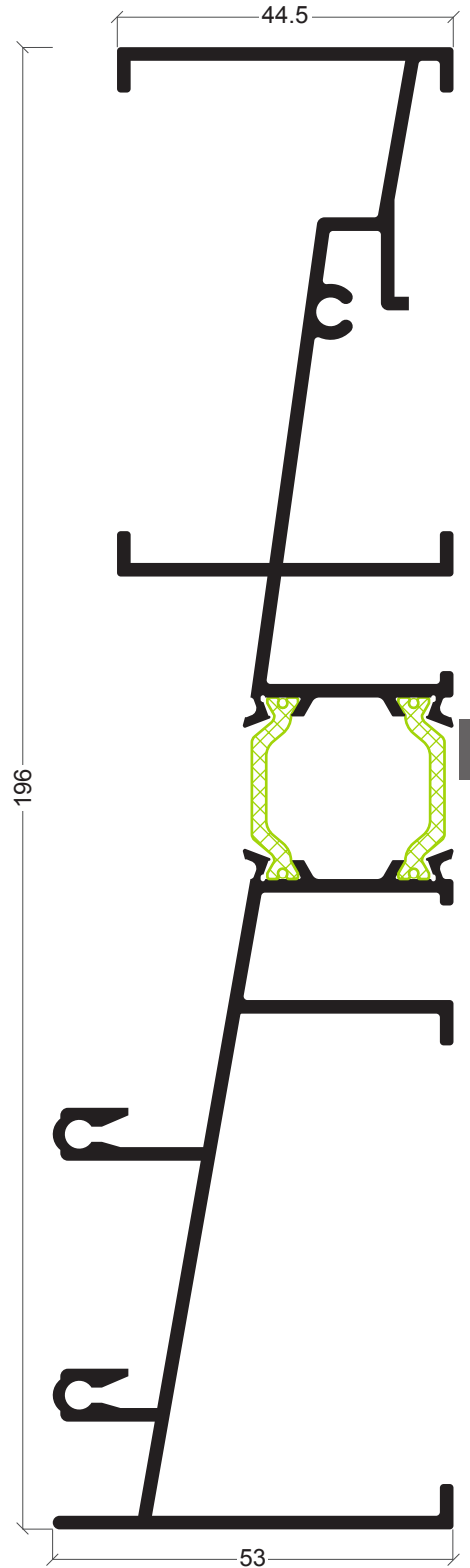
**CL-75**  
Padeira janela dupla



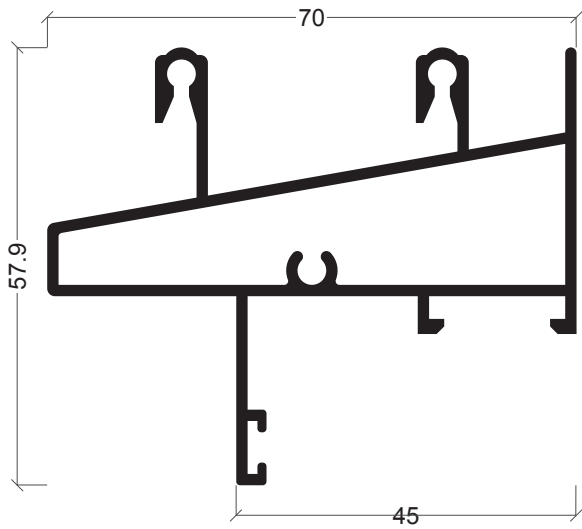
**CL-71**  
Soleira janela dupla



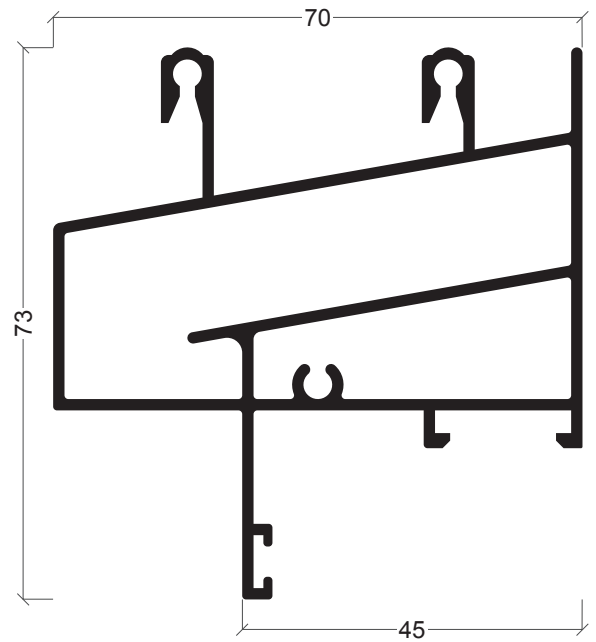
**CL-76**  
Ombreira janela dupla



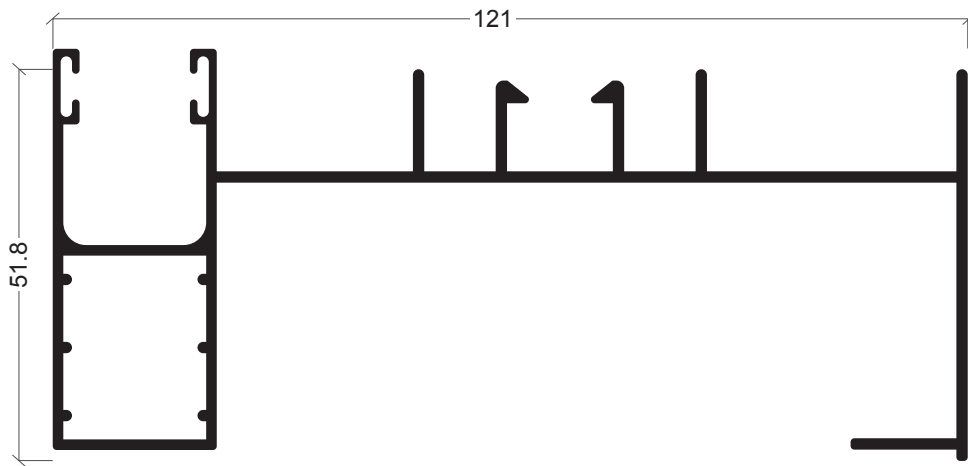
**CL-78**  
Soleira janela dupla



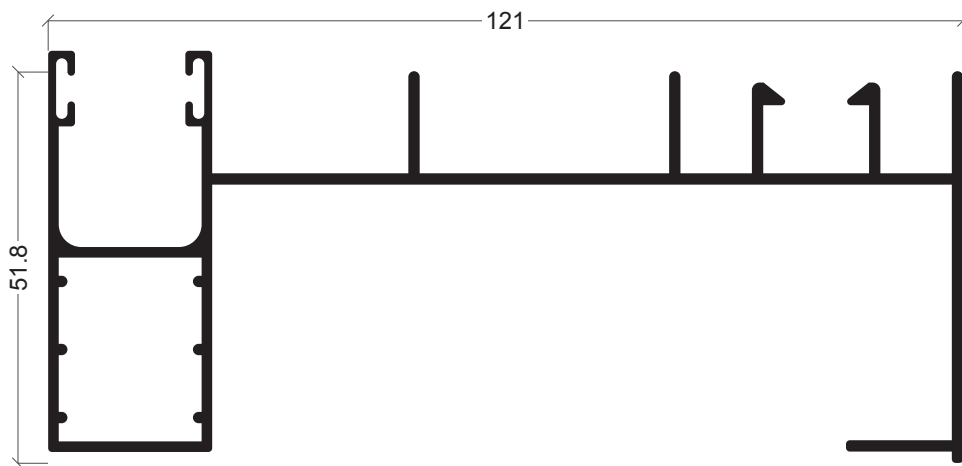
**CL-51**  
Soleira fixo inferior



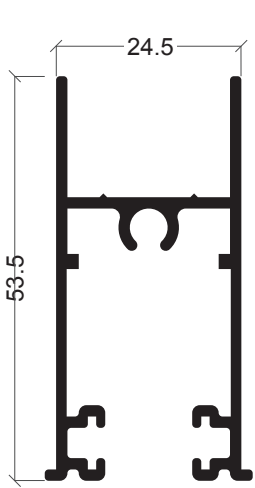
**CL-81**  
Soleira fixo inferior



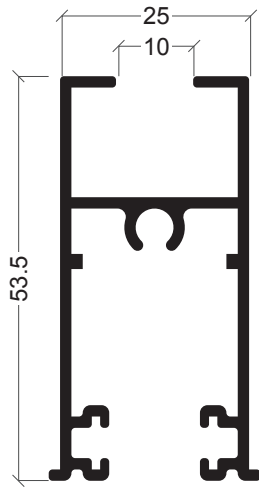
**CL-91**  
Ombreira com calha persiana



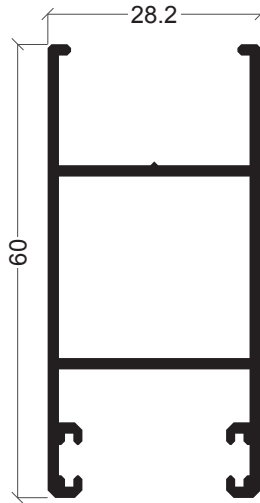
**CL-92**  
Ombreira com calha persiana



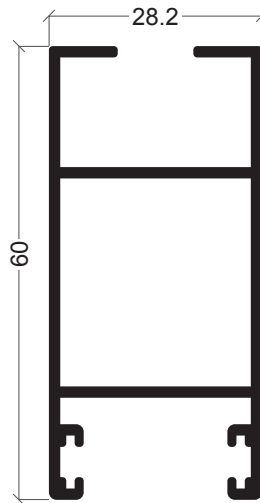
**CL-10**  
Móvel carrinho



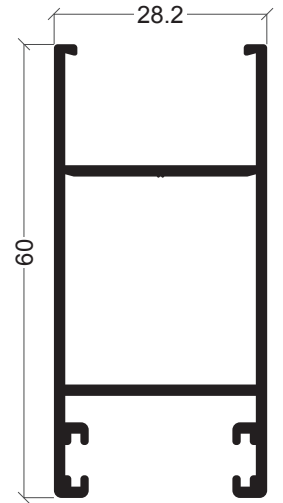
**CL-12**  
Móvel carrinho



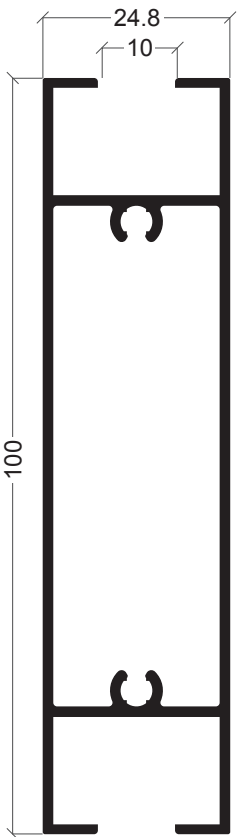
**CL-90**  
Móvel lateral



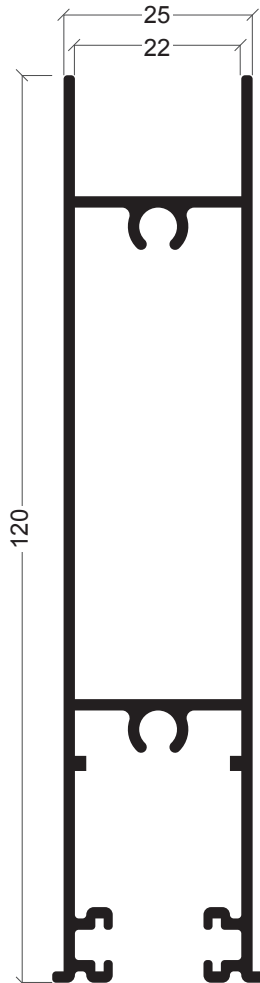
**CL-19**  
Móvel lateral



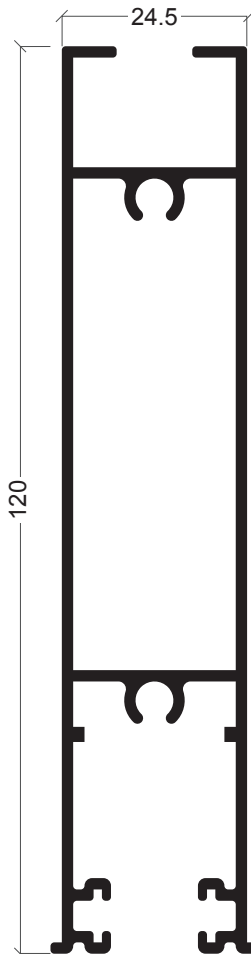
**CL-20**  
Móvel lateral



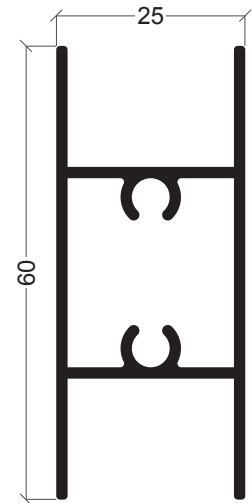
**CL-25**  
Travessa



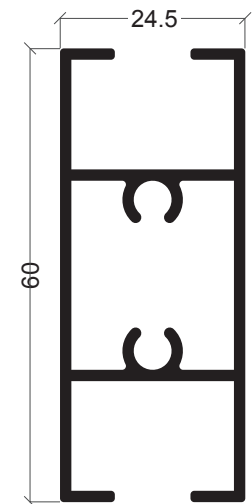
**CL-52**  
Almofada carrinho



**CL-72**  
Almofada carrinho

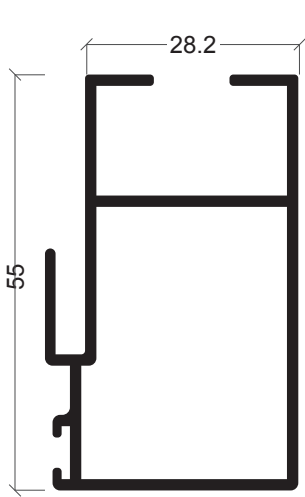


**CL-53**  
Travessa

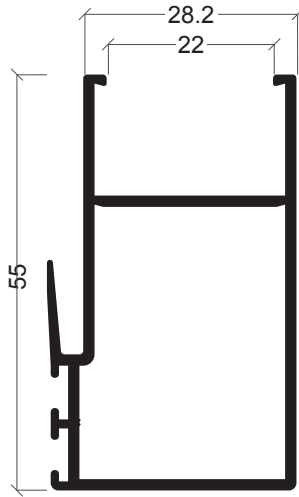


**CL-73**  
Travessa

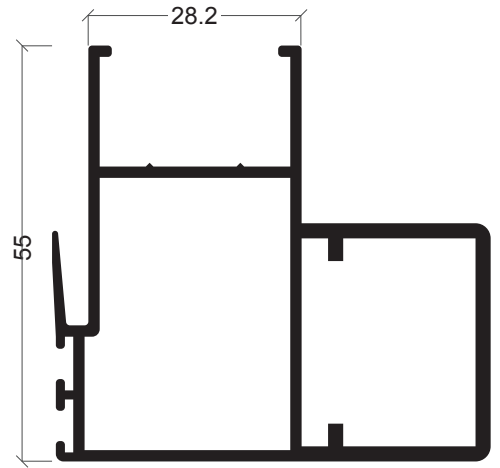




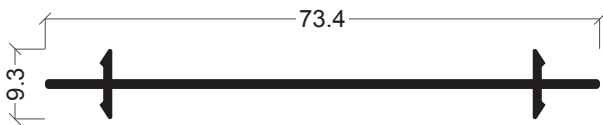
**CL-17**  
Móvel central



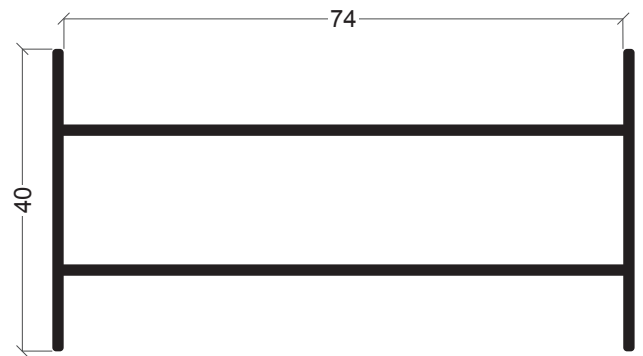
**CL-09**  
Móvel central



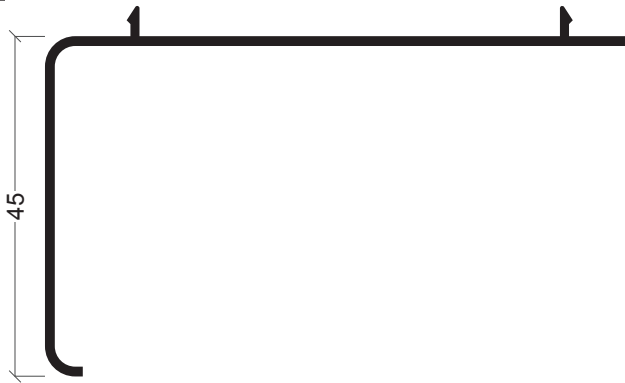
**CL-27**  
Móvel central com reforço



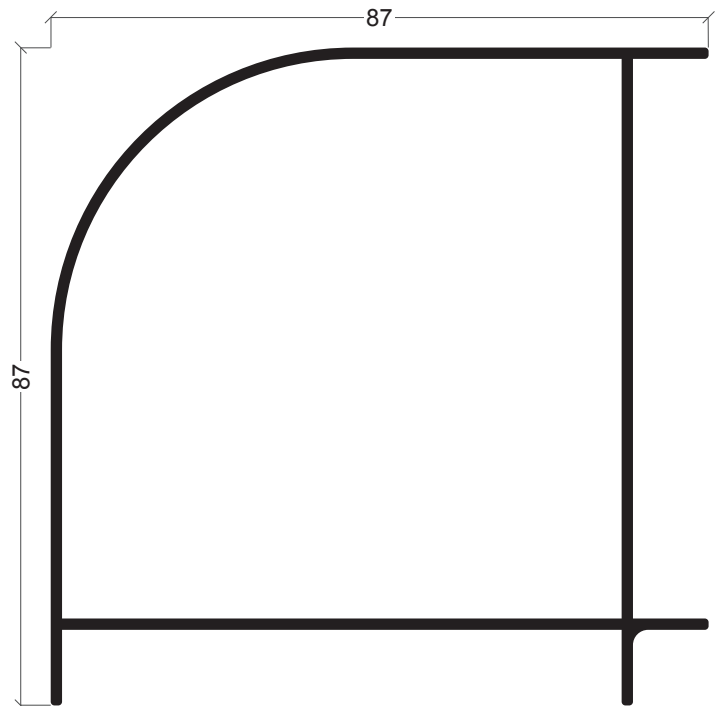
**CL-31**  
União de aros



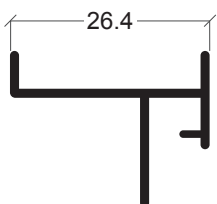
**CL-32**  
União de aros



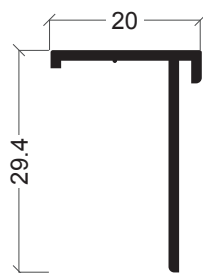
**CL-26**  
Remate



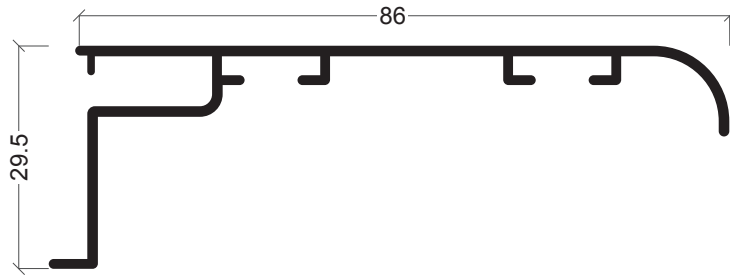
**CL-30**  
Esquina



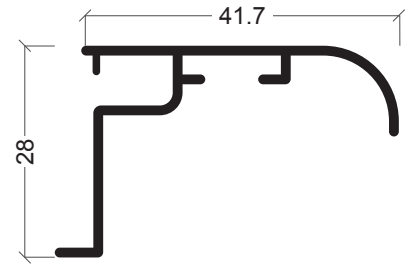
**CL-57**  
Remate persiana



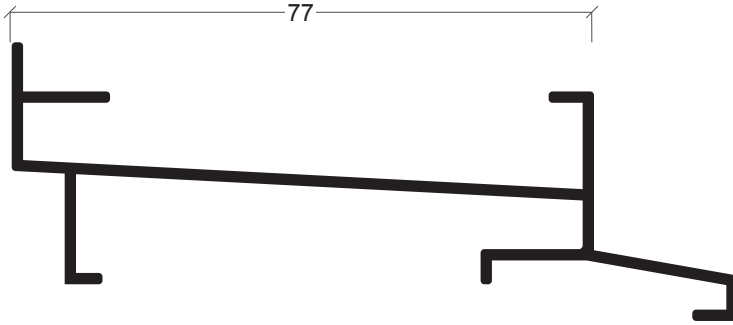
**Y-24**  
Remate p/ apanelado



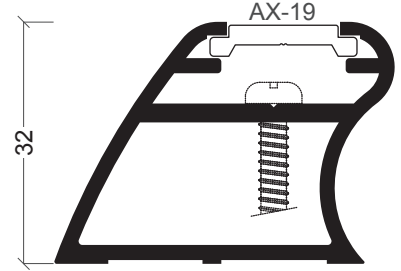
**CL-54**  
Tapa juntas



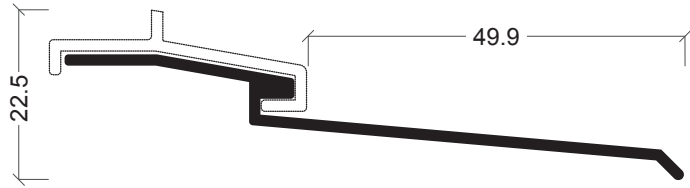
**CL-56**  
Tapa juntas



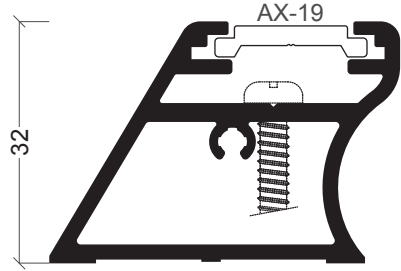
**CL-02**  
Soleira de condensação



**CT-27**  
Reforço



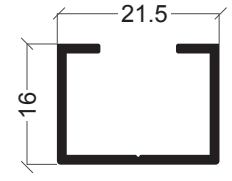
**CL-22**  
Pingadeira



**CT-28**  
Reforço



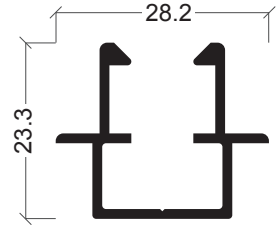
**CL-11**  
Pingadeira



**CL-29**  
Redutor



**CL-21**  
Pingadeira



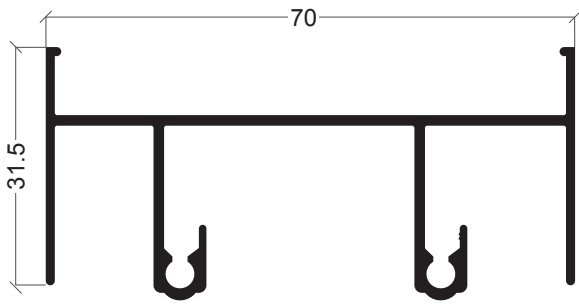
**CL-28**  
União 3/4F



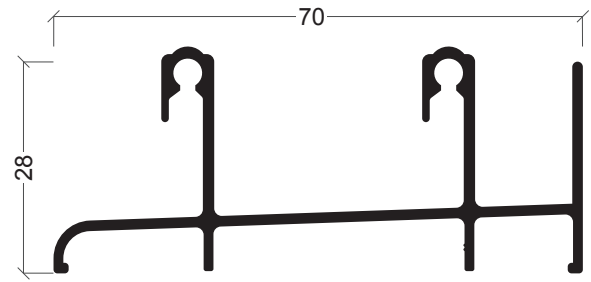
**CL-23**  
Pingadeira



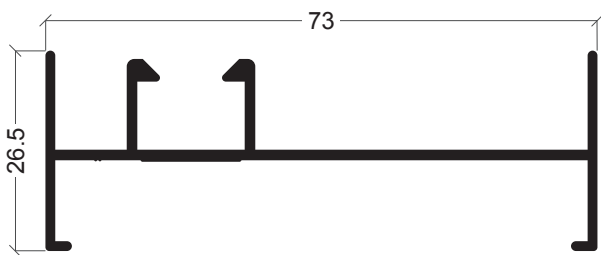
**AX-19**  
Vareta



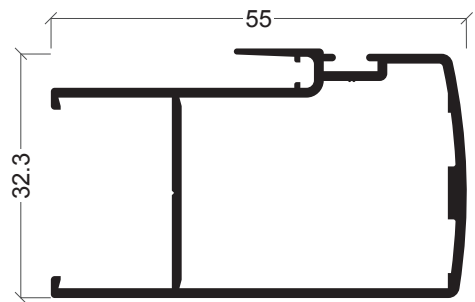
**CL-05**  
Padieira



**CL-42**  
Soleira

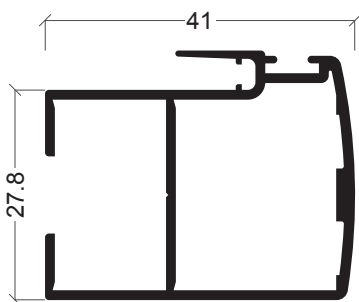


**CL-43**  
Ombreira

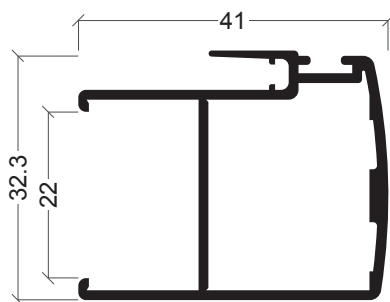


**CL-48**  
Móvel central porta

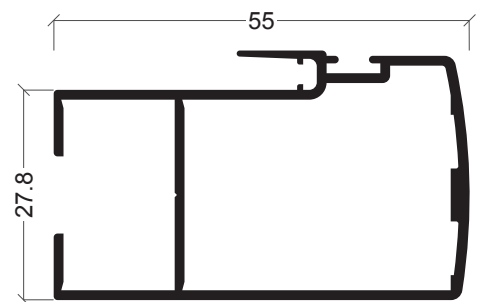
10



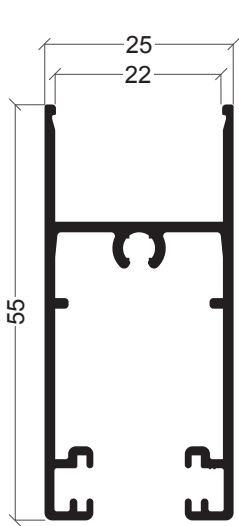
**CL-33**  
Móvel central janela



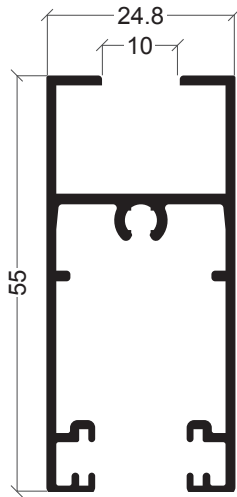
**CL-45**  
Móvel central janela



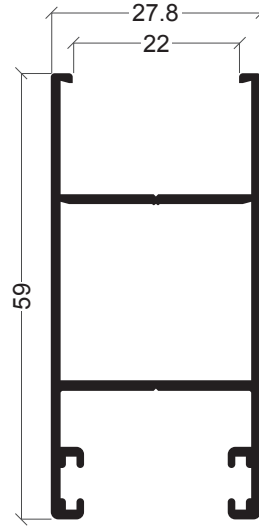
**CL-59**  
Móvel central porta



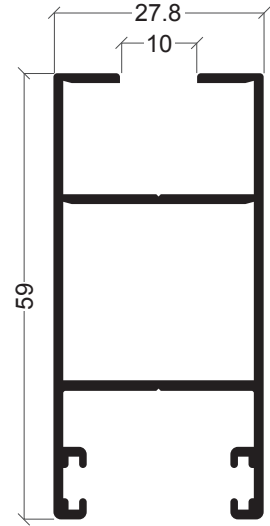
**CL-47**  
Móvel carrinho



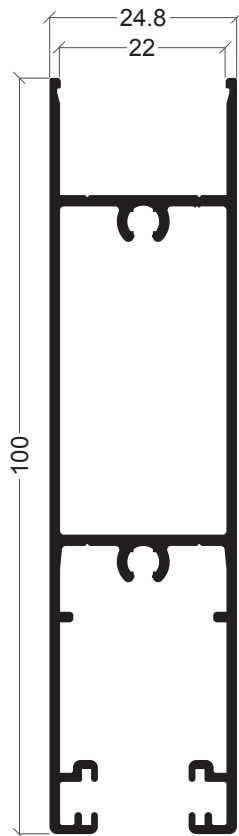
**CL-40**  
Móvel carrinho



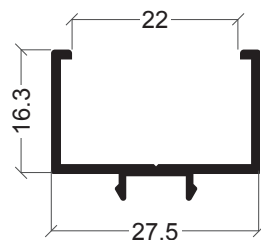
**CL-44**  
Móvel lateral



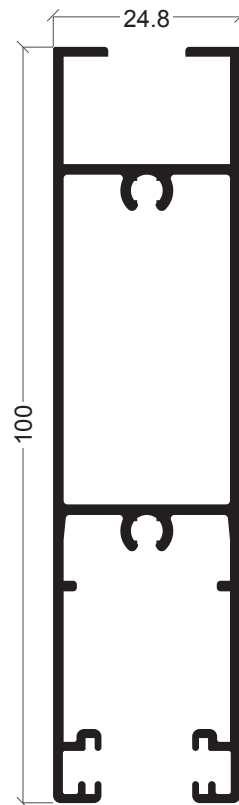
**CL-34**  
Móvel lateral



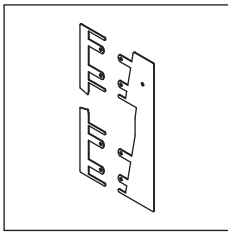
**CL-49**  
Travessa



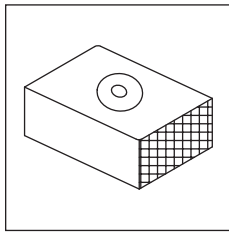
**CL-50**  
Redutor



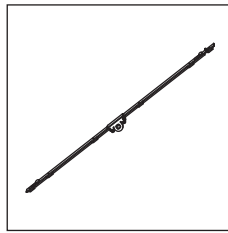
**CL-24**  
Almofada



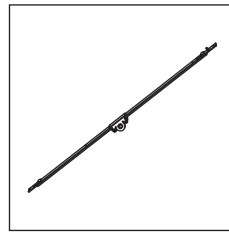
**30 20 50 01**  
Jogo juntas estanquidade janela dupla



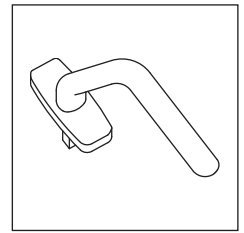
**30 91 41 10**  
Taco anti-levantamento preto



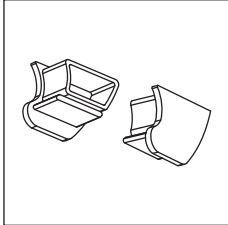
**30 91 41 31**  
Barra 2 pontos com apoios (600 mm)



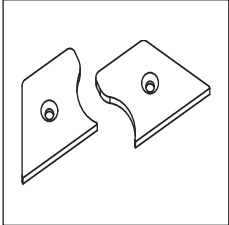
**30 91 41 32**  
Barra 3 pontos com apoios (1670 mm)



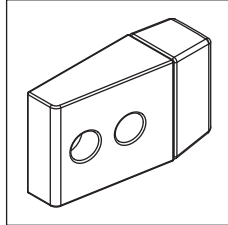
**30 91 41 45/46**  
Cremone desviado direita branco/preto



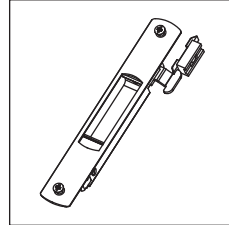
**30 91 41 63/64**  
Jogo topos CT-27 (branco/preto)



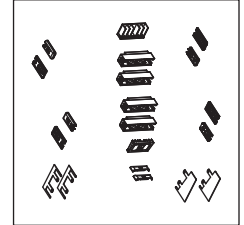
**30 91 41 65/66**  
Jogo topos CT-28 (branco/preto)



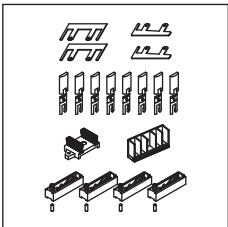
**30 91 41 71**  
Topo limitador de abertura



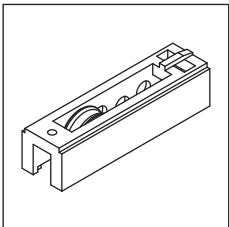
**30 91 50 09/10**  
Fecho lateral (branco/preto)



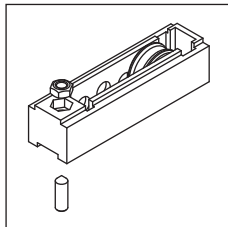
**30 91 50 11**  
Kit CL 2 folhas



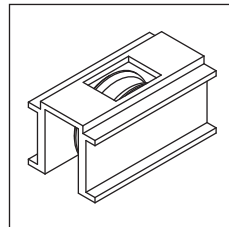
**30 91 50 15**  
Kit correr janela 2 folhas CL-42



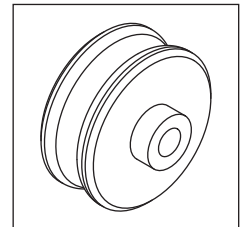
**30 91 50 20**  
Rolamento simples CL-10/12/52/72



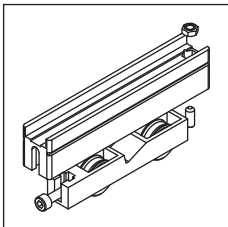
**30 91 50 21**  
Rolamento simples CL Plus (40Kg por folha)



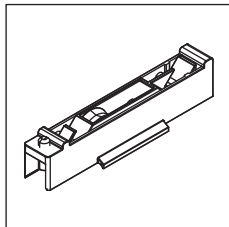
**30 91 50 22**  
Rolamento simples CL-10/12/52/72



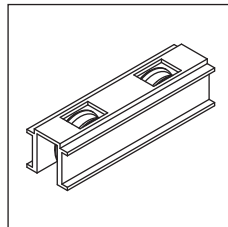
**30 91 50 23**  
Rolamento suplementar (+20Kg por folha)



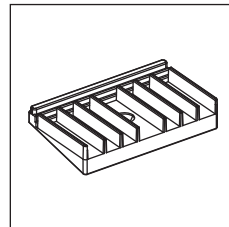
**30 91 50 24**  
Rolamento duplo regulável (80Kg por folha)



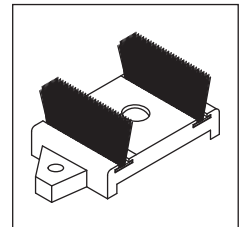
**30 91 50 25**  
Rolamentos simples



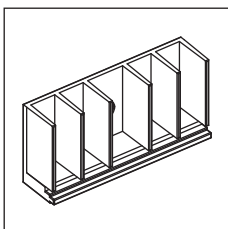
**30 91 50 27**  
Rolamento duplo CL-10/12/52/72



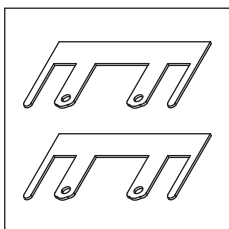
**30 91 50 30**  
Corta-vento inferior CL



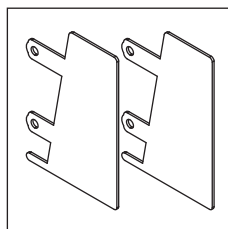
**30 91 50 31**  
Corta ventos inferior CL-42



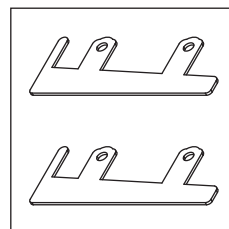
**30 91 50 40**  
Corta-vento superior CL-05/15/75



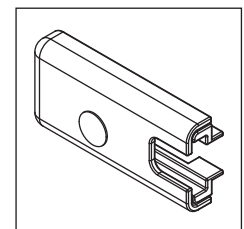
**30 91 50 61**  
Junta estanquidade superior CL-05



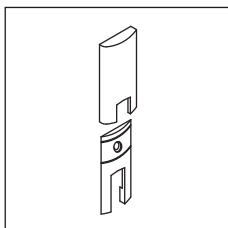
**30 91 50 70**  
Junta estanquidade sup. CL-01/03/63



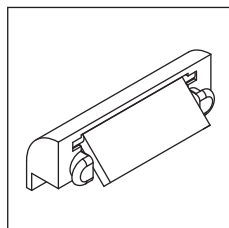
**30 91 50 71**  
Junta estanquidade superior CL-42



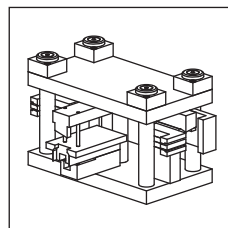
**30 91 50 80**  
Tampa guia lateral CL



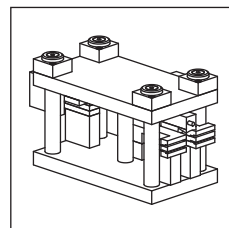
**30 91 50 81**  
Jogo guias lateral CL Plus













**30 92 01 02/03**  
Goteiras preto / branco



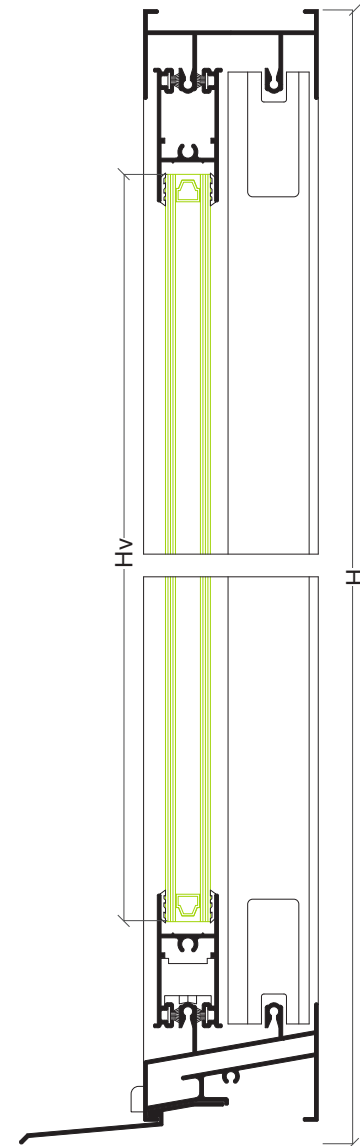
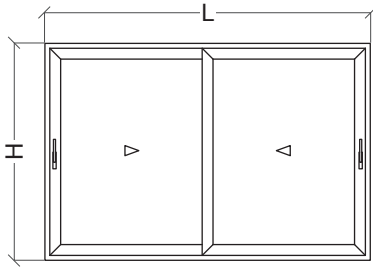
**33 21 50 01**  
Cunho CL dupla



**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

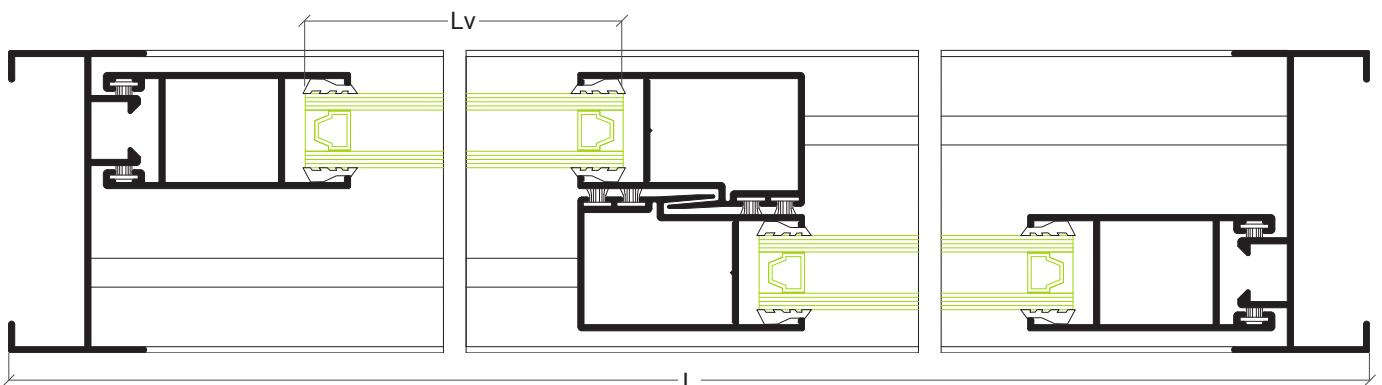
Desenho	Ref	Descrição	Corte	Quant	Medida
	CL-05	Padieira		1	L-40 mm
	CL-01	Soleira		1	L-40 mm
	CL-06	Ombreira		2	H
	CL-10	Móvel carrinho		4	L/2-12 mm
	CL-20	Móvel lateral		2	H-64 mm
	CL-09	Móvel central		2	H-64 mm
	CL-22	Pingadeira		1	L

### Acessórios e Juntas

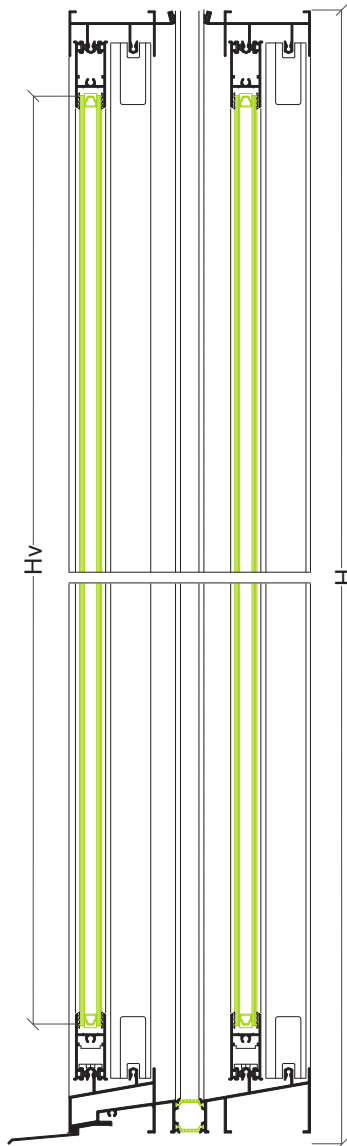
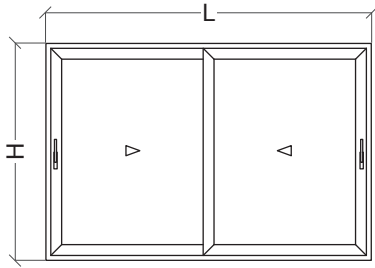
Referência	Descrição	Quantidade
30 91 50 09/10	Fecho lateral	2
30 91 50 22	Rolamentos	4
30 91 50 30	Corta ventos inferior	1
30 91 50 40	Corta ventos superior	1
30 91 50 61	Junta estanquidade superior	1
30 91 50 70	Junta estanquidade inferior	1
30 91 50 80	Tampa guia lateral	4
30 92 01 00	Goteiras	2
30 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

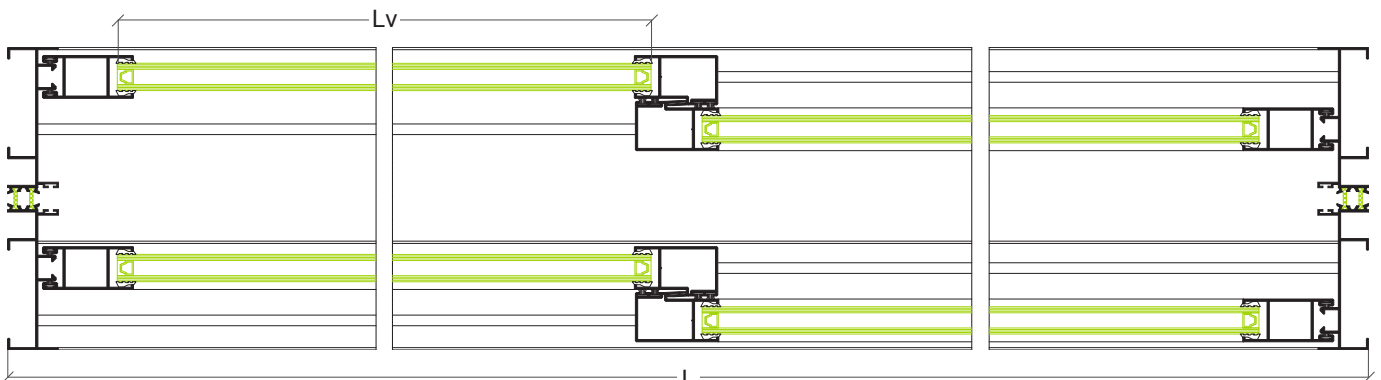
### Acessórios e Juntas

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

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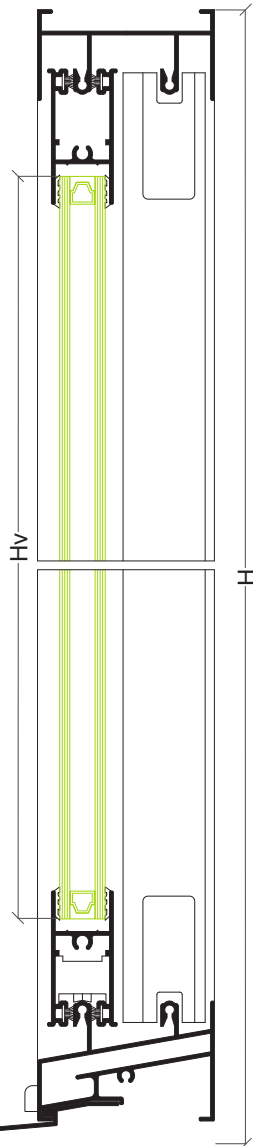
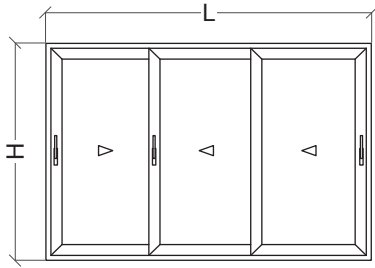
### Vidro

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



### Perfis

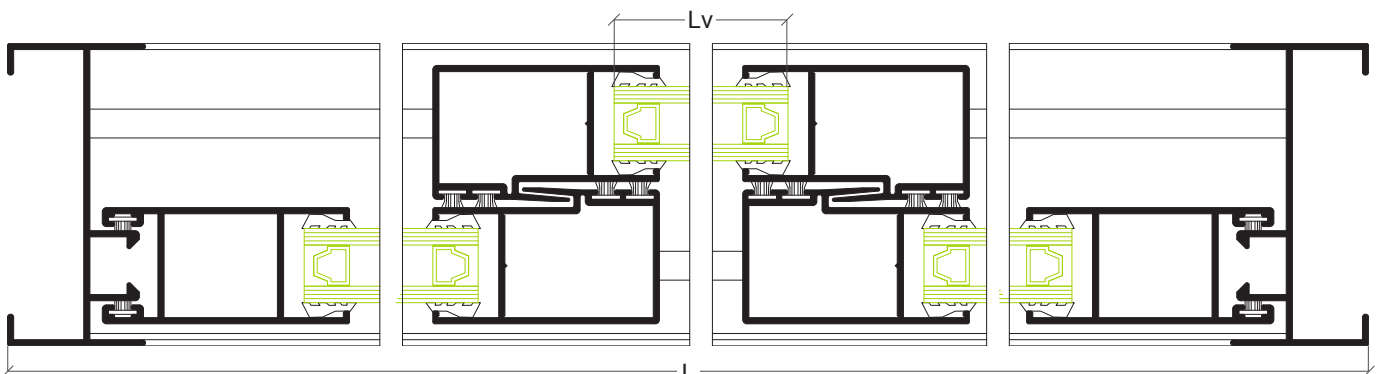
Desenho	Ref	Descrição	Corte	Quant	Medida
	CL-05	Padieira		1	L-40 mm
	CL-01	Soleira		1	L-40 mm
	CL-06	Ombreira		2	H
	CL-10	Móvel carrinho		4	L/3+7 mm
				2	L/3+15 mm
	CL-20	Móvel lateral		2	H-64 mm
	CL-09	Móvel central		4	H-64 mm
	CL-22	Pingadeira		1	L

### Acessórios e Juntas

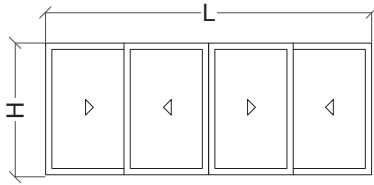
Referência	Descrição	Quantidade
30 91 50 09/10	Fecho lateral	2
30 91 50 22	Rolamentos	6
30 91 50 30	Corta ventos inferior	2
30 91 50 40	Corta ventos superior	2
30 91 50 60	Junta estanquidade superior	1
30 91 50 70	Junta estanquidade inferior	1
30 91 50 80	Tampa guia lateral	8
30 92 01 00	Goteiras	2
30 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

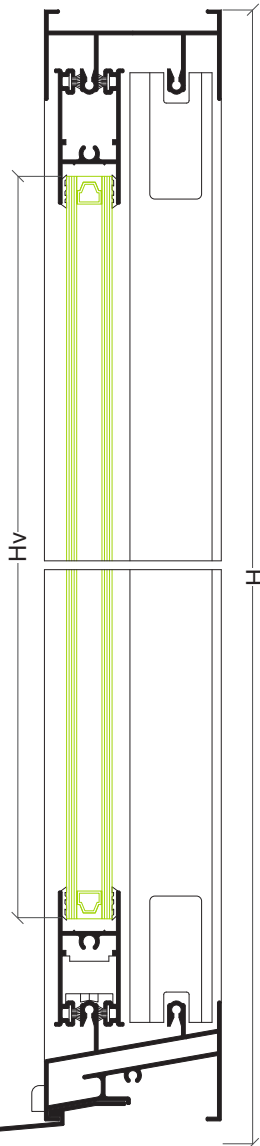


## Janela 4 folhas correr



### 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



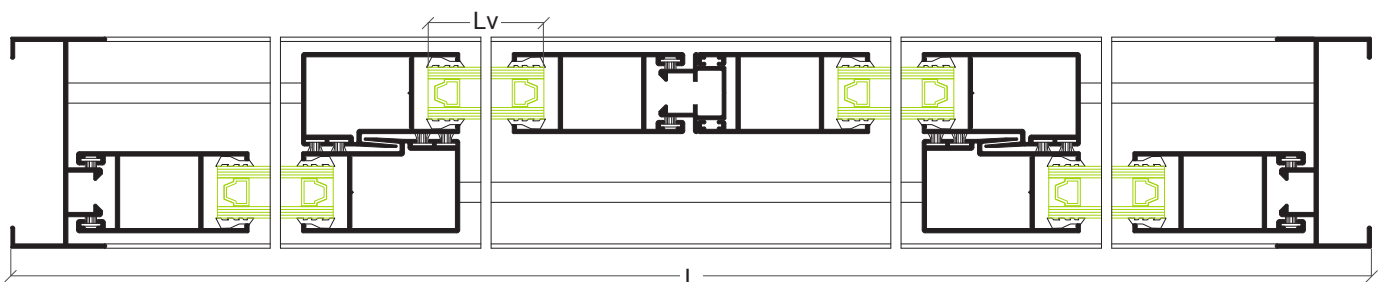
### Acessórios e Juntas

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

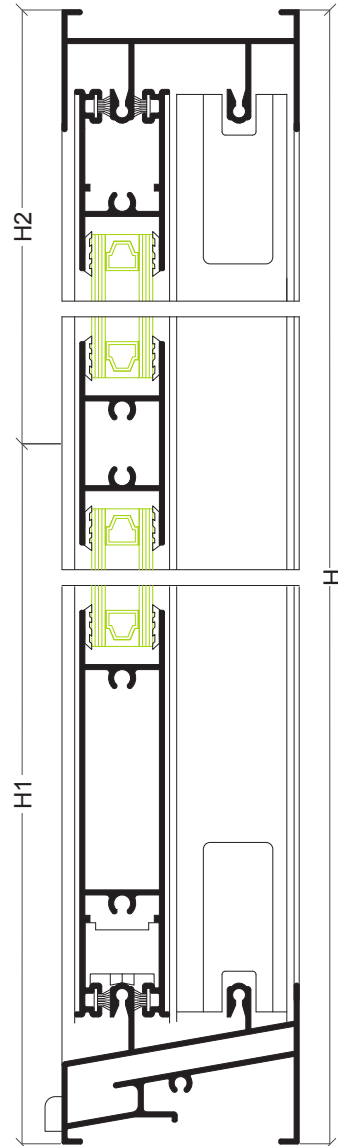
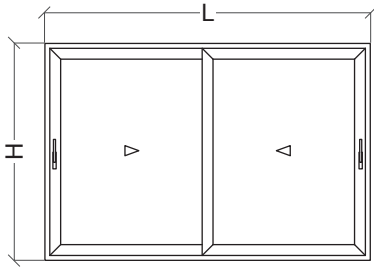
17

### Vidro

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



### Perfis

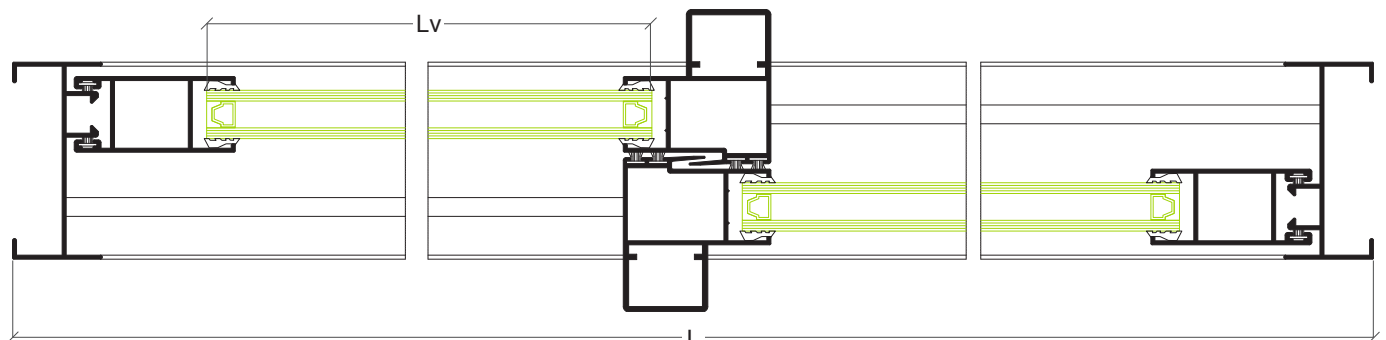
Desenho	Ref	Descrição	Corte	Quant	Medida
	CL-05	Padieira		1	L-40 mm
	CL-01	Soleira		1	L-40 mm
	CL-06	Ombreira		2	H
	CL-10	Móvel carrinho		4	L/2-12 mm
	CL-20	Móvel lateral		2	H-64 mm
	CL-27	Móvel central		2	H-64 mm
	CL-52	Almofada		2	L/2-12 mm
	CL-53	Travessa		2	L/2-12 mm

### Acessórios e Juntas

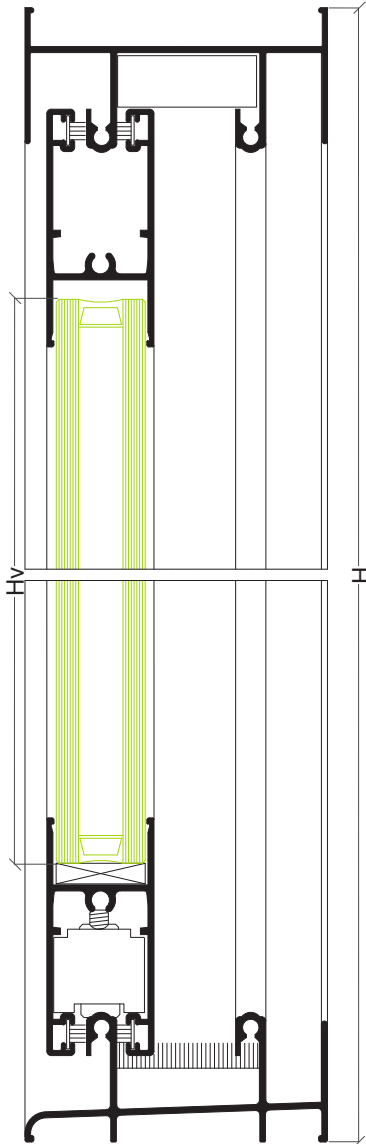
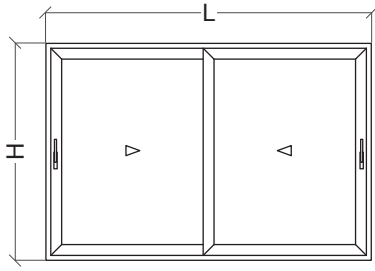
Referência	Descrição	Quantidade
30 91 50 09/10	Fecho lateral	2
30 91 50 27	Rolamentos	4
30 91 50 30	Corta ventos inferior	1
30 91 50 40	Corta ventos superior	1
30 91 50 60	Junta estanquidade superior	1
30 91 50 70	Junta estanquidade inferior	1
30 91 50 80	Tampa guia lateral	4
30 92 01 00	Goteiras	2
30 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

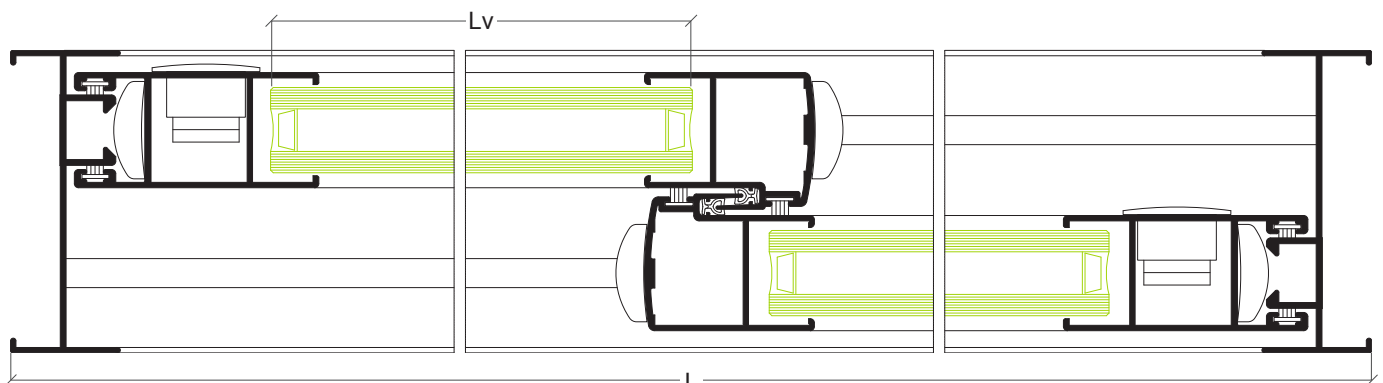
### Acessórios e Juntas

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

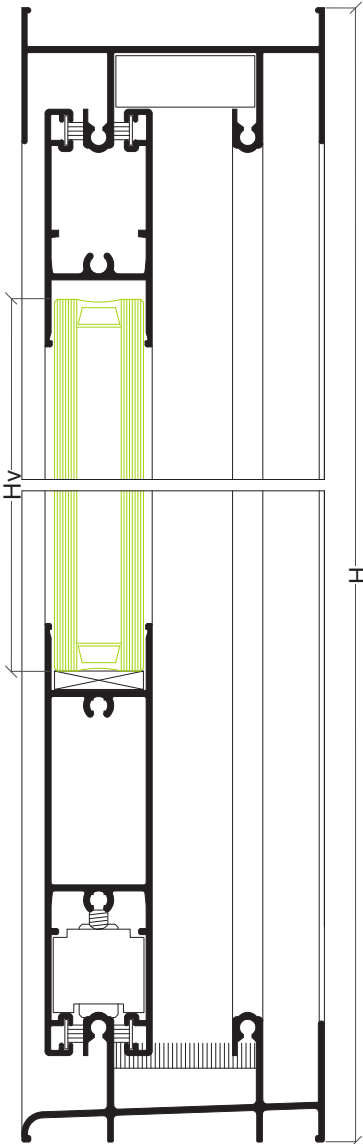
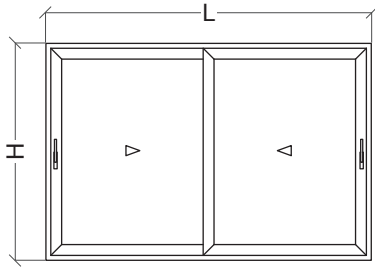
19

### Vidro

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



### Perfis

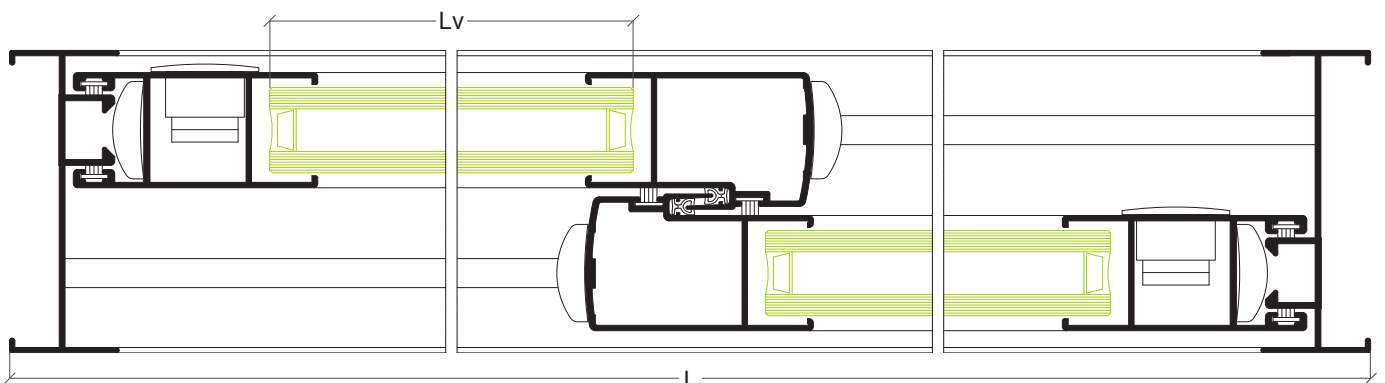
Desenho	Ref	Descrição	Corte	Quant	Medida
	CL-05	Padieira		1	L-28 mm
	CL-42	Soleira		1	L-28 mm
	CL-43	Ombreira		2	H
	CL-47	Móvel carrinho		4	L/2-9 mm
	CL-44	Móvel lateral		2	H-43.5 mm
	CL-48	Móvel central		2	H-43.5 mm
	CL-49	Travessa		2	L/2-9 mm

### Acessórios e Juntas

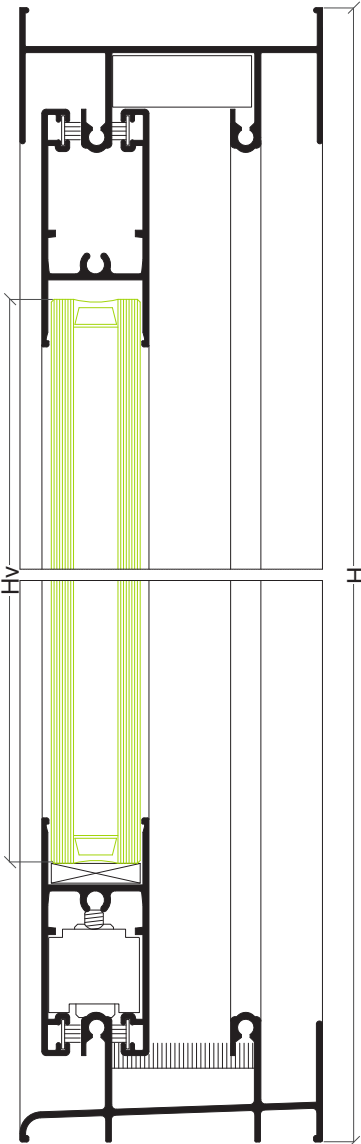
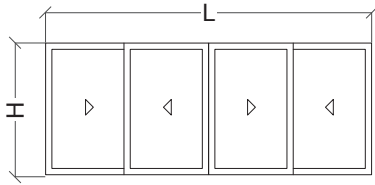
Referência	Descrição	Quantidade
30 91 50 09/10	Fecho lateral	2
30 91 50 21	Rolamentos simples	4
30 91 50 23	Rolamentos suplementares	4
30 91 50 31	Corta ventos inferior	1
30 91 50 40	Corta ventos superior	1
30 91 50 61	Junta estanquidade superior	1
30 91 50 71	Junta estanquidade inferior	1
30 91 50 81	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

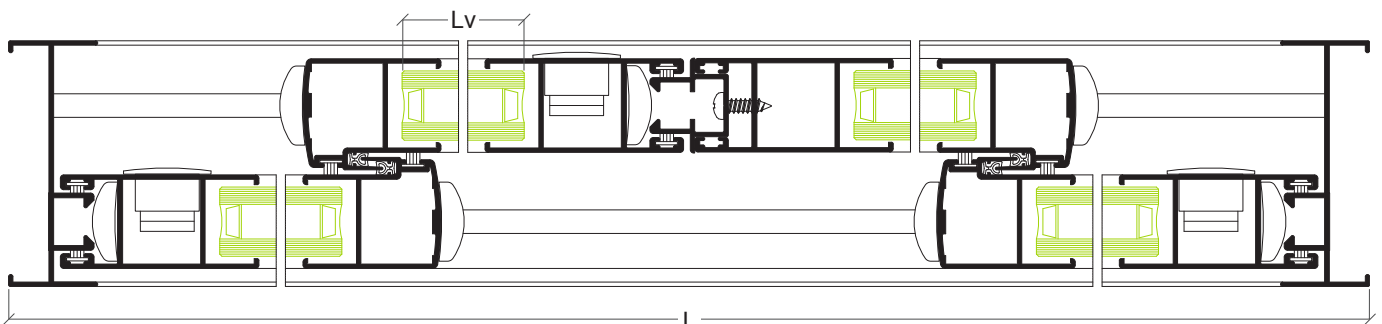
### Acessórios e Juntas

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

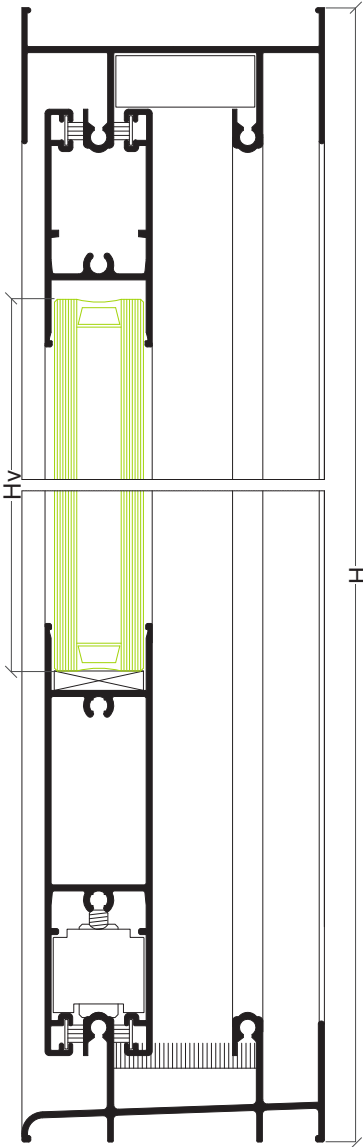
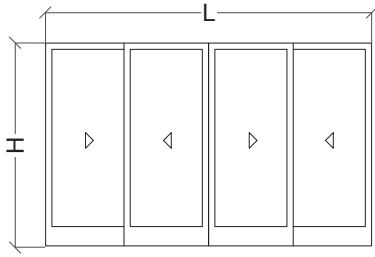
21

### Vidro

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



### Perfis

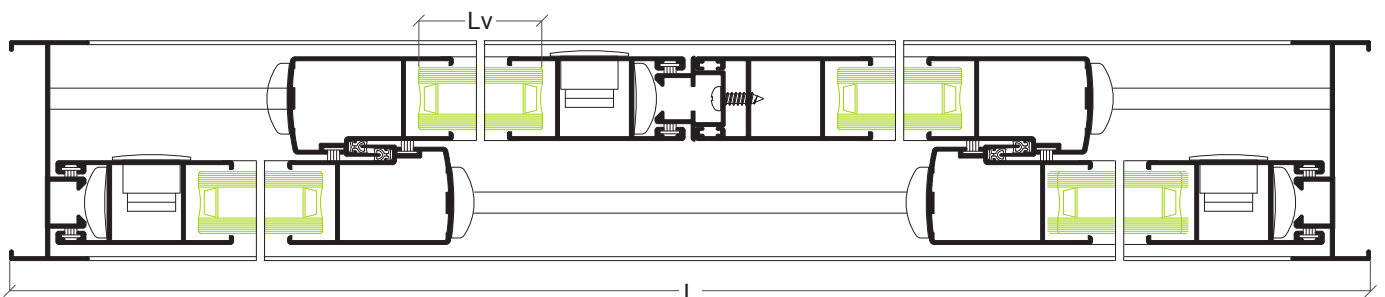
Desenho	Ref	Descrição	Corte	Quant	Medida
	CL-05	Padieira		1	L-28 mm
	CL-42	Soleira		1	L-28 mm
	CL-43	Ombreira		2	H
	CL-47	Móvel carrinho		4	L/4-2 mm
	CL-44	Móvel lateral		4	H-43.5 mm
	CL-48	Móvel central		4	H-43.5 mm
	CL-49	Travessa		4	L/4-2 mm
	CL-28	União 3/4F		1	H-43.5 mm

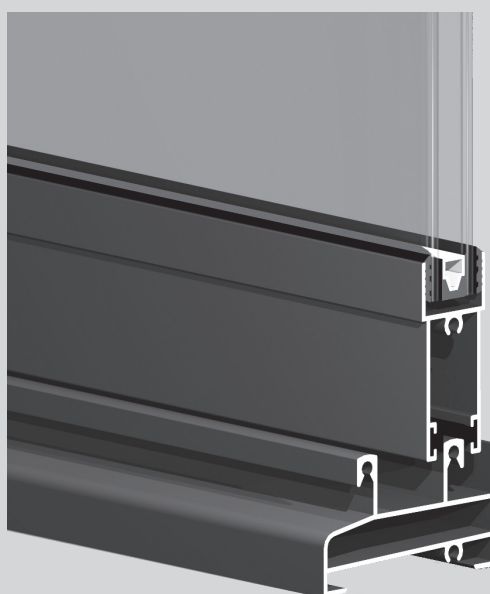
### Acessórios e Juntas

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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**Sistema**

**CM**



## Sistema CM

Sistema de correr - 60 mm

### Características do sistema

Sistemas de alumínio para execução de vãos de correr ou vãos de correr com janela dupla.

### 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 60 mm para montagem a corte recto;  
Secção do aro fixo de 3 guias de 90 mm para montagem a corte recto;  
Secção do aro fixo janela dupla de 176.5 mm para montagem a corte recto.

### Aros móveis

Secção dos aros móveis de 22 mm com montagem a corte recto;  
Enchimento de 4 mm a 16 mm;  
Estanquidade assegurada através de pelúcia tipo Fin-Seal.

### Dimensionamento e manobralidade

Peso máximo 80 kg por folha (com 2 rolamentos duplos);  
Possibilidades de abertura: 1, 2, 3, 4 e 6 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 CM:

1. Permeabilidade ao ar: Classe 3 (norma de ensaio EN 1026)
2. Estanquidade à água: Classe 6A (norma de ensaio EN 1027)
3. Resistência ao vento: Classe C1 (norma de ensaio EN 12211)

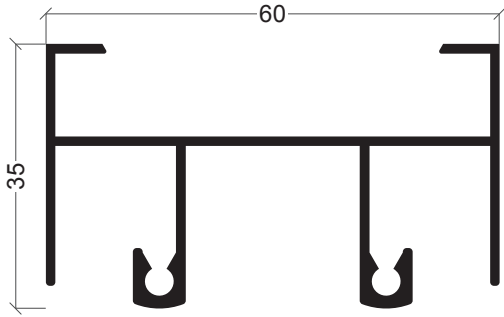
Coefficiente de transmissão térmica de vão de 2 folhas com 1.60 m x 2.00 m com vidro  $U_g = 2.1 \text{ W/m}^2\text{K}$ :

•  $U_w = 3.32 \text{ W/m}^2\text{K}$

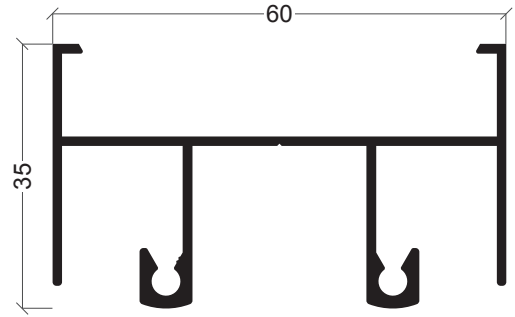
Coefficiente de atenuação acústica de vão de 2 folhas com vidro 4/8/4:

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

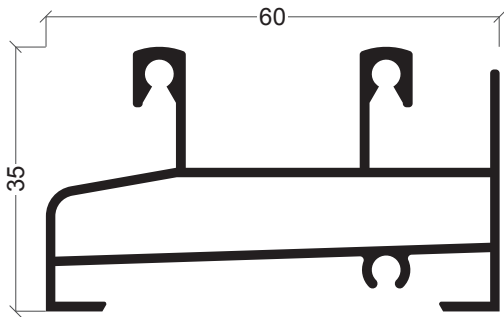
Zonas de aplicação segundo RCCTE (em função do valor  $U_g$ ): I1, I2, I3, V1, V2, V3;



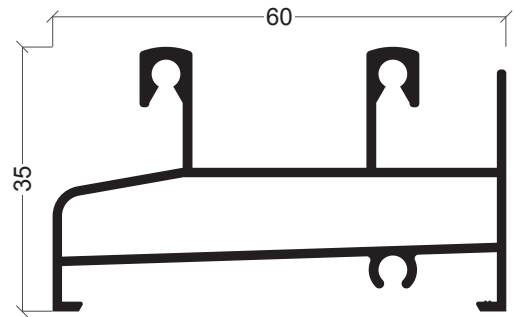
**CM-05**  
Padieira



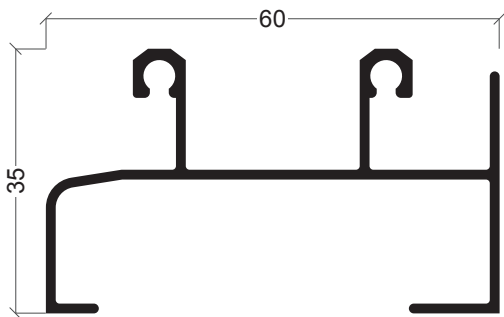
**CM-15**  
Padieira



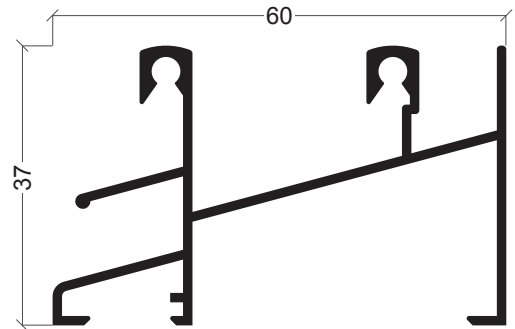
**CM-01**  
Soleira



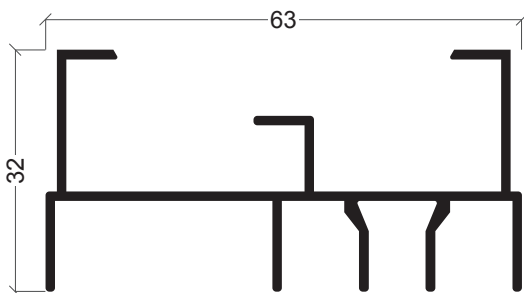
**CM-11**  
Soleira



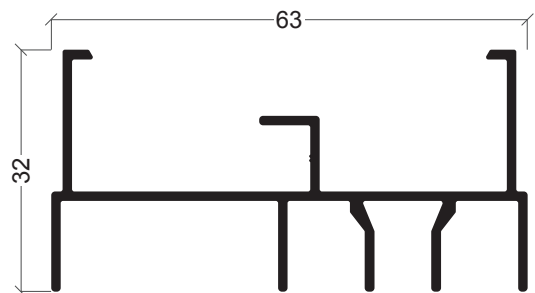
**CM-71**  
Soleira



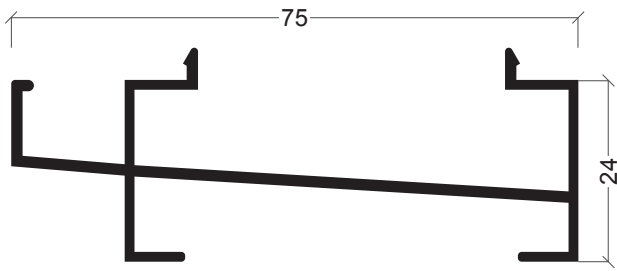
**CM-31**  
Soleira



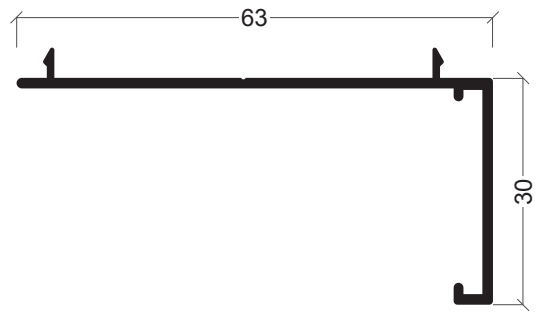
**CM-06**  
Ombreira



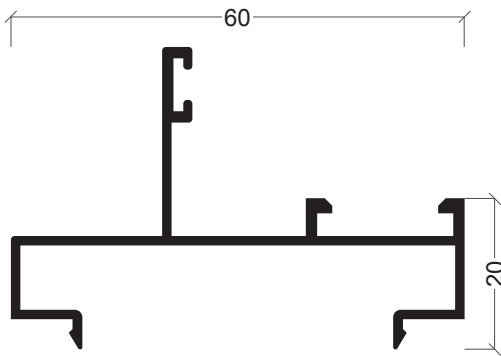
**CM-26**  
Ombreira



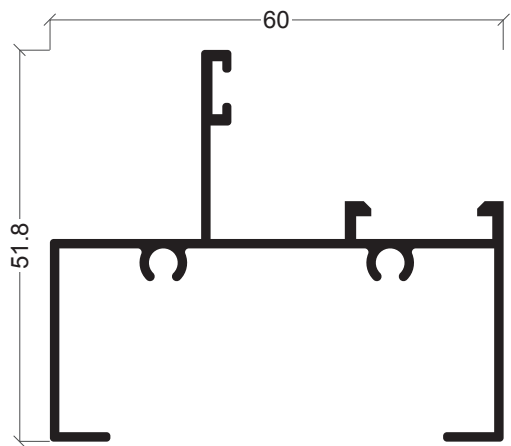
**CM-38**  
Soleira



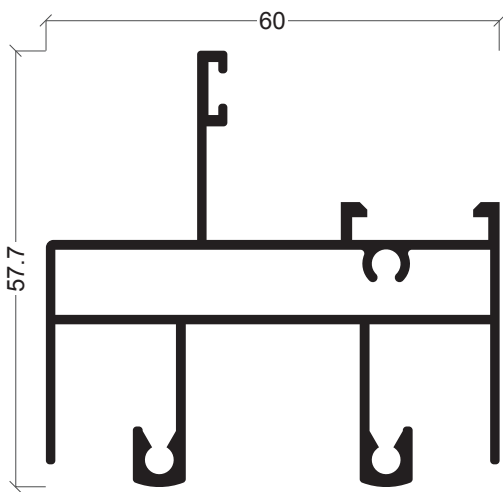
**CM-20**  
Remate



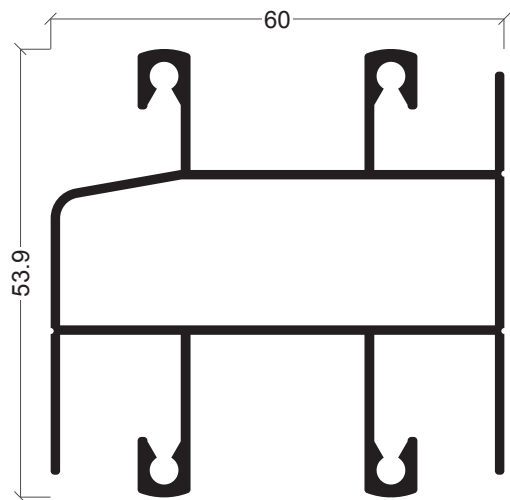
**CM-18**  
Complemento fixo



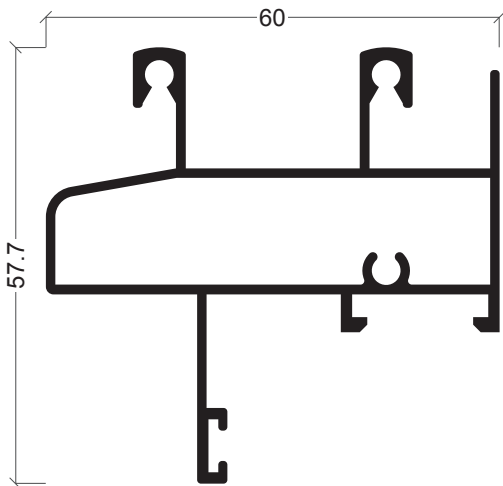
**CM-08**  
Complemento fixo



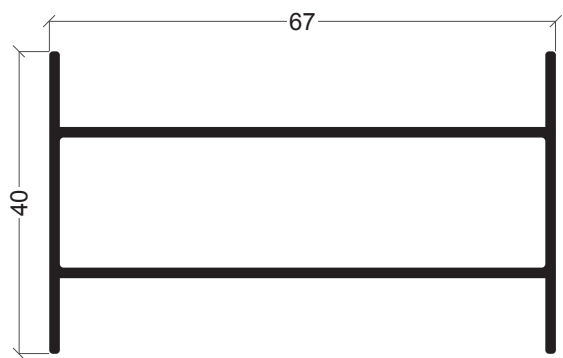
**CM-55**  
Padieira com fixo superior



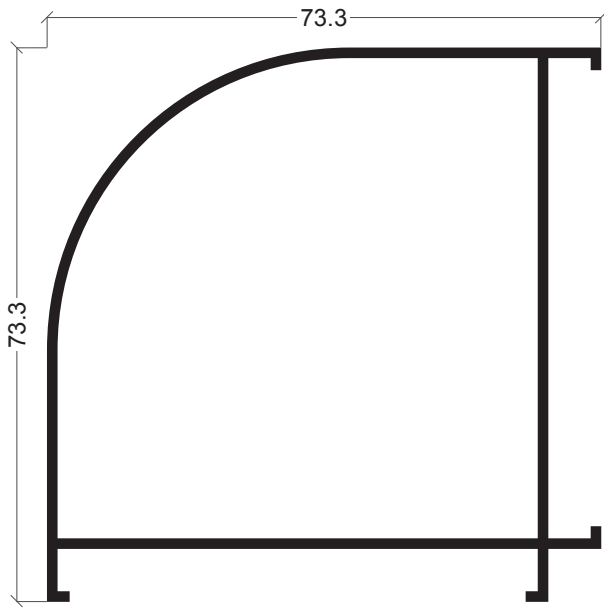
**CM-04**  
Aro duplo



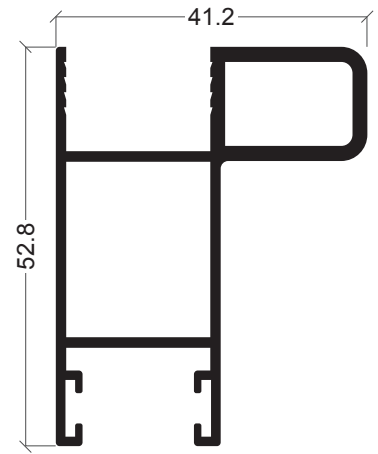
**CM-51**  
Soleira com fixo inferior



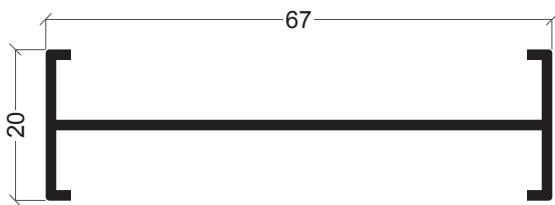
**CM-32**  
União de aros



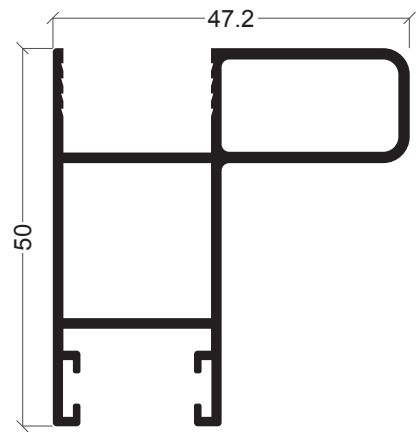
**CM-35**  
Esquina



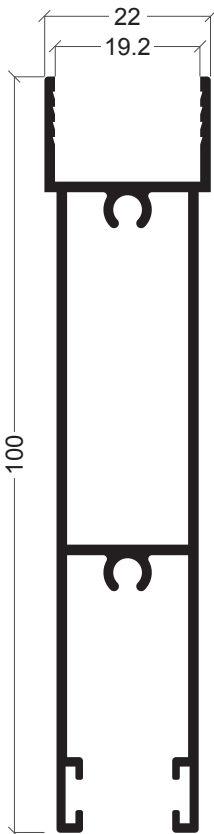
**CM-81**  
Aro móvel lateral com reforço



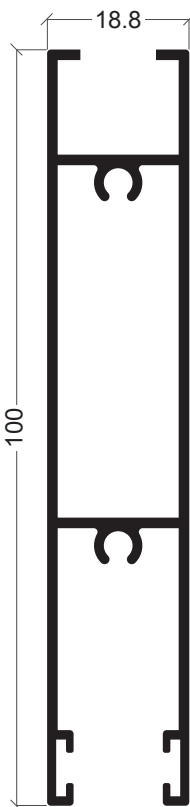
**CM-49**  
União de aros



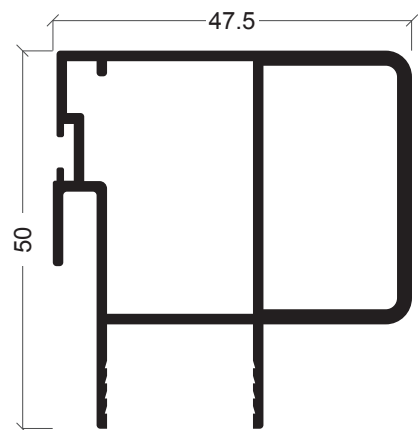
**CM-30**  
Aro móvel lateral com reforço



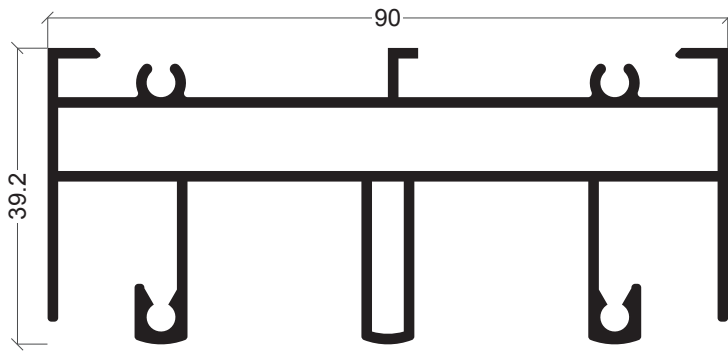
**CM-52**  
Almofada carrinho



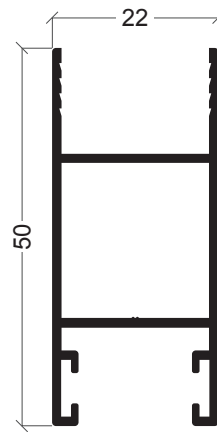
**CM-53**  
Almofada carrinho



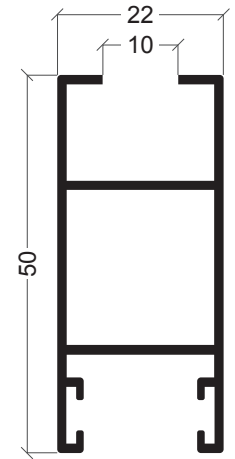
**CM-29**  
Aro móvel central com reforço



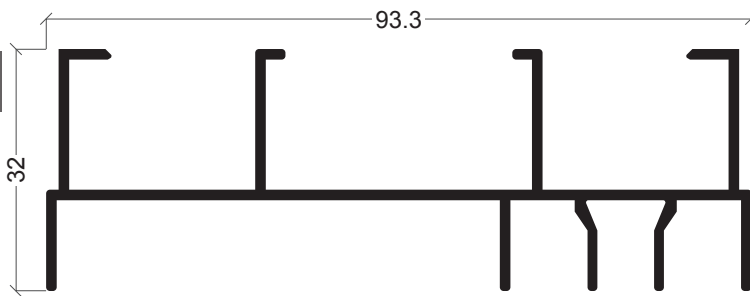
**CM-45**  
Padeira tri-rail



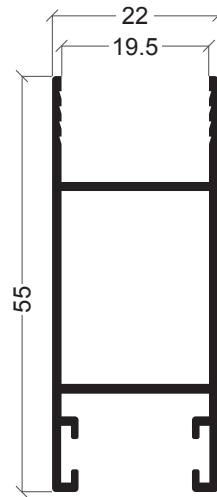
**CM-10**  
Aro móvel lateral



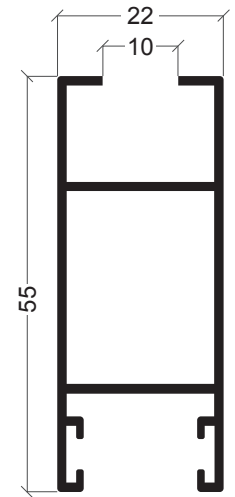
**CM-16**  
Aro móvel lateral



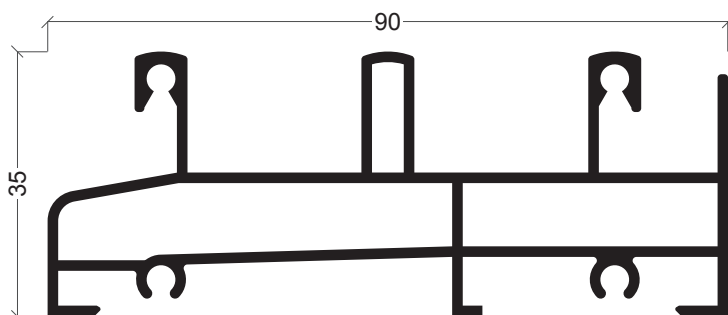
**CM-46**  
Ombreira tri-rail



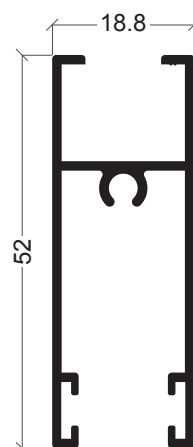
**CM-80**  
Aro móvel lateral



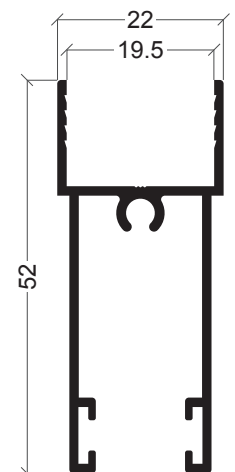
**CM-76**  
Aro móvel lateral



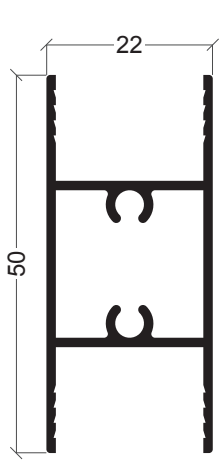
**CM-41**  
Soleira tri-rail



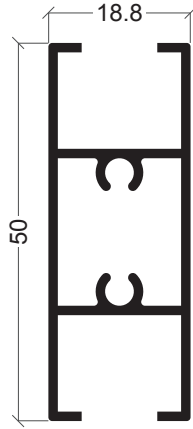
**CM-12**  
Aro móvel carrinho



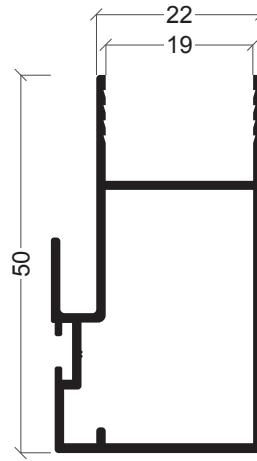
**CM-02**  
Aro móvel carrinho



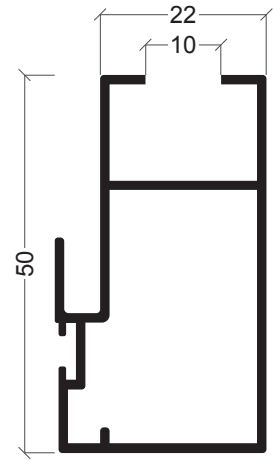
**CM-54**  
Travessa



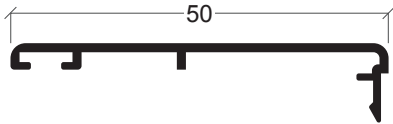
**CM-56**  
Travessa



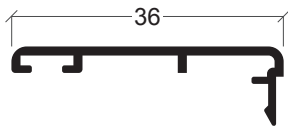
**CM-09**  
Aro móvel central



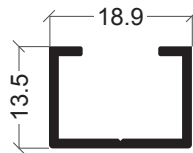
**CM-17**  
Aro móvel central



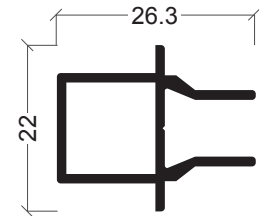
**CM-25**  
Remate



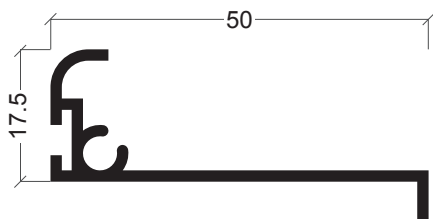
**CM-24**  
Remate



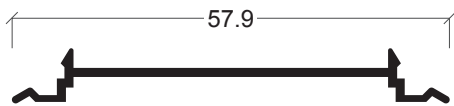
**CM-83**  
Redutor



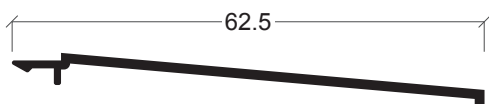
**CM-28**  
União 3/4F



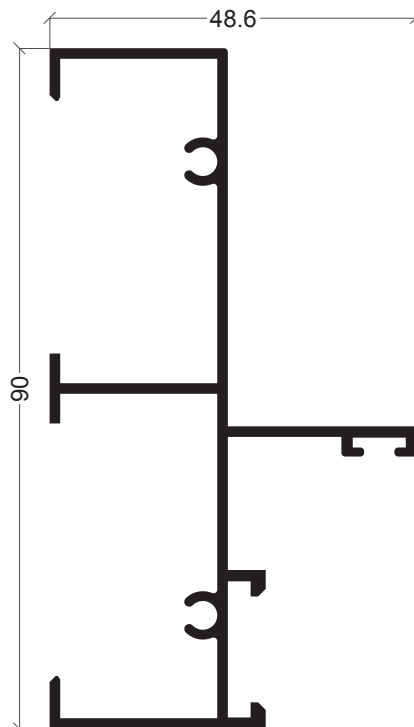
**CM-34**  
Guia persiana



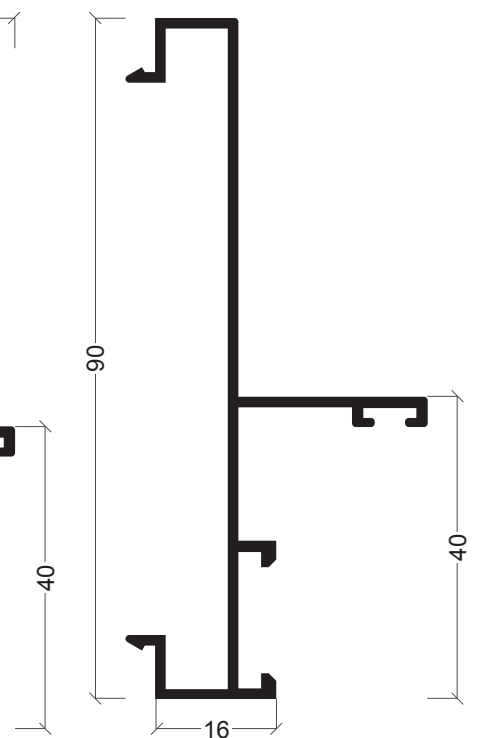
**CM-23**  
Clip de pingadeira/remate



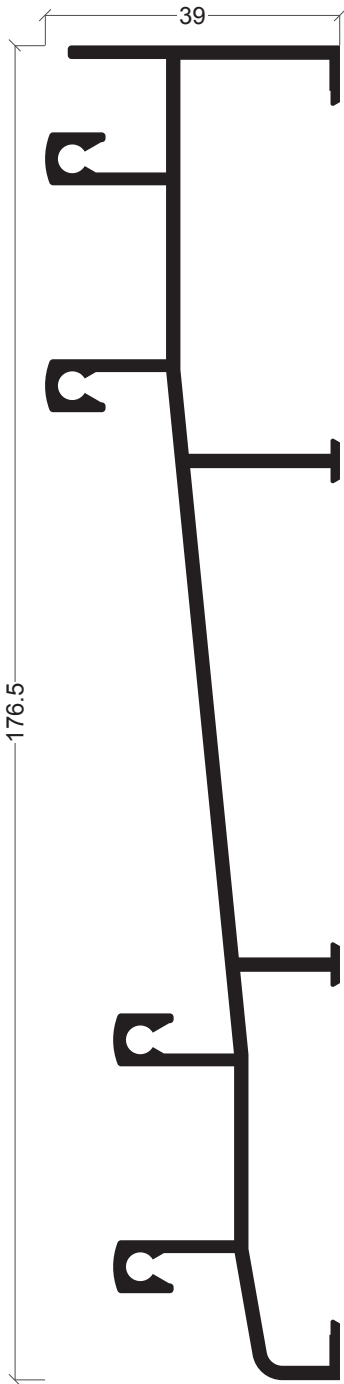
**CM-21**  
Pingadeira



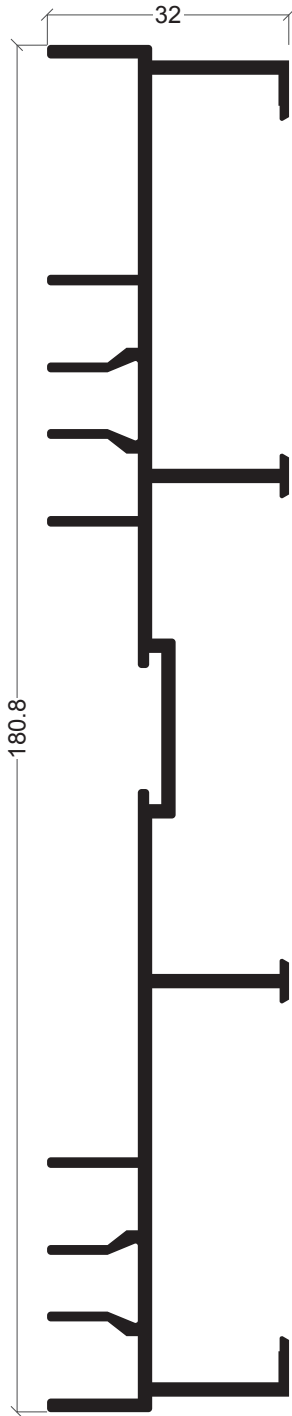
**CM-58**  
Pingadeira



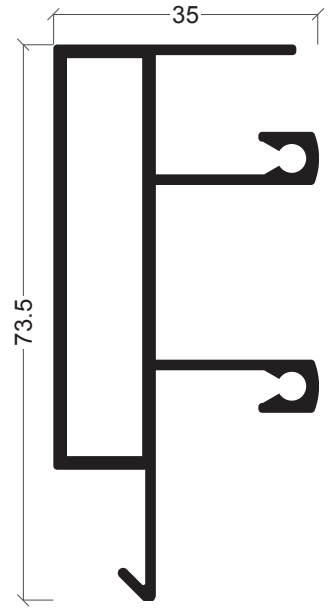
**CM-48**  
Pingadeira



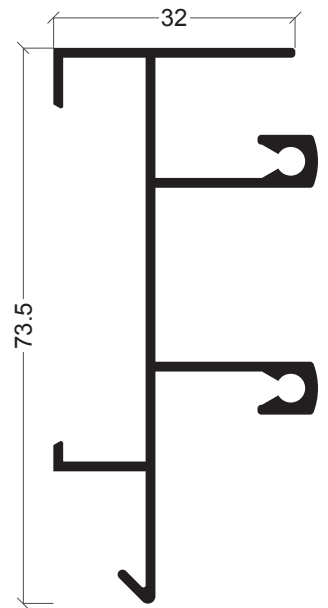
**CM-61**  
Soleira janela dupla



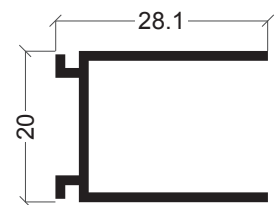
**CM-66**  
Ombreira janela dupla



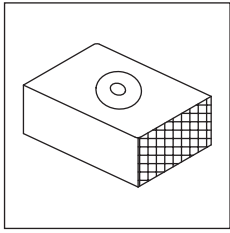
**CM-82**  
Padieira janela dupla

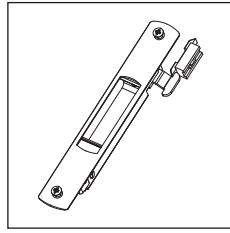


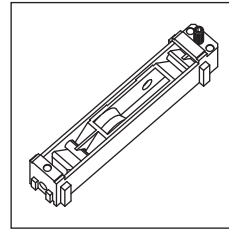
**CM-65**  
Padieira janela dupla



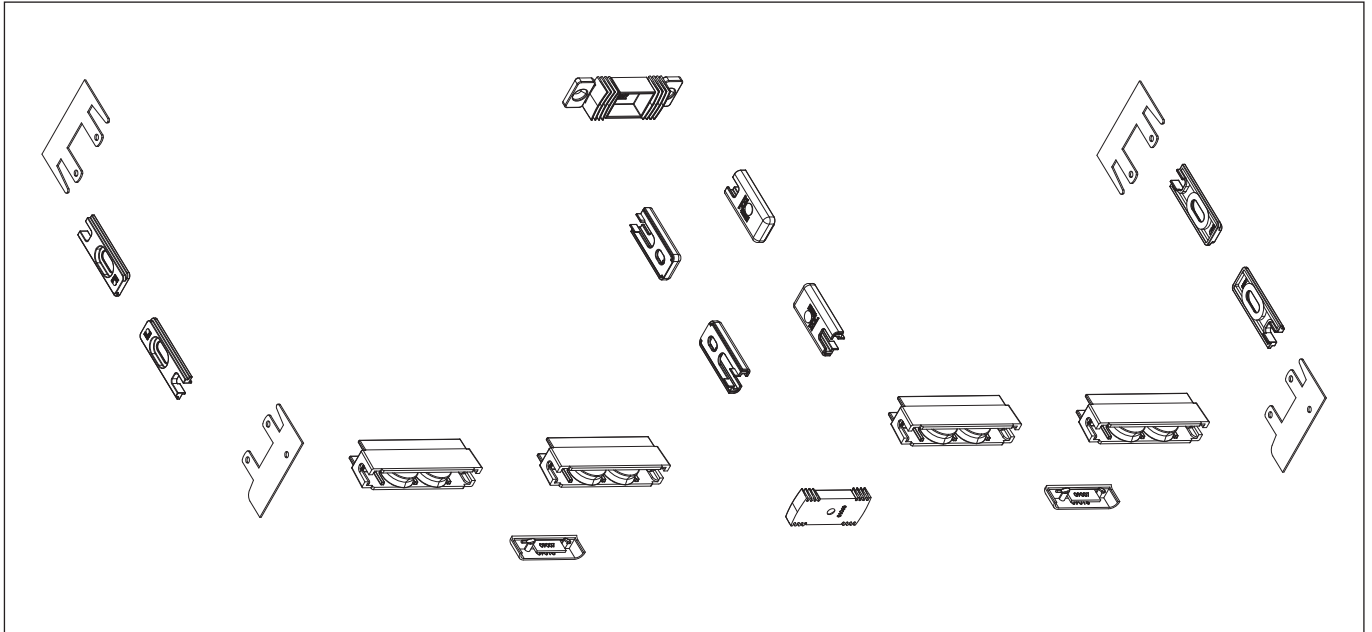
**CM-64**  
Guia persiana janela dupla


**30 91 41 10**

 Taco anti-levantamento  
preto

**30 97 00 02/03**

 Fecho lateral branco/  
preto

**30 97 00 05**

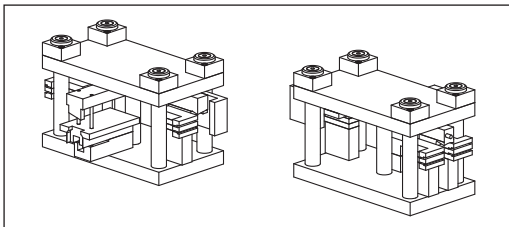
Rolamento


**30 97 00 01**

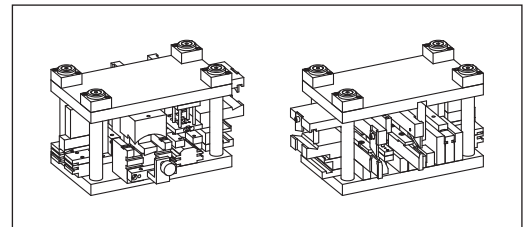
Kit correr CM 2 folhas

**30 97 00 04**

Kit correr CM 3 folhas


**33 96 22 99**

Cunho CM dupla

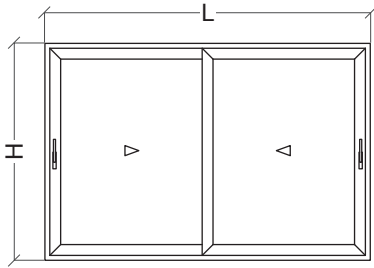

**33 96 29 99**

Cunho CM

Referência	Desenho	Descrição
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

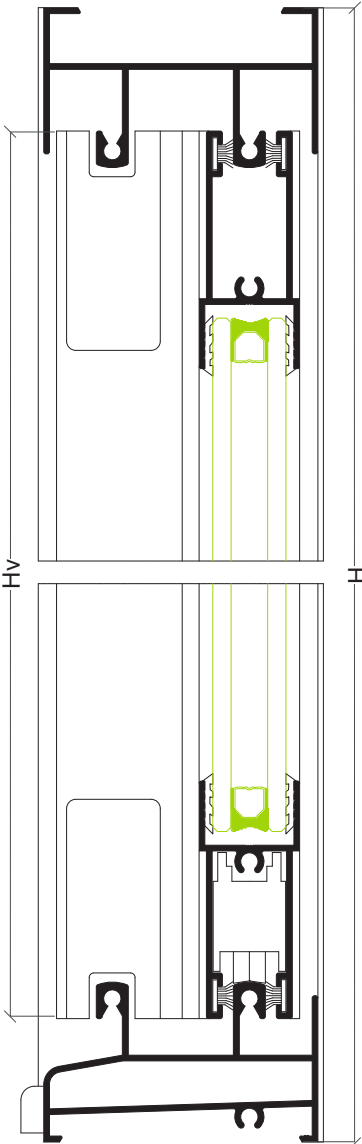


## Janela 2 folhas correr



### Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	CM-15	Padieira		1	L-40 mm
	CM-11	Soleira		1	L-40 mm
	CM-26	Ombreira		2	H
	CM-02	Móvel carrinho		4	L/2-14 mm
	CM-10	Móvel lateral		2	H-54 mm
	CM-09	Móvel central		2	H-54 mm

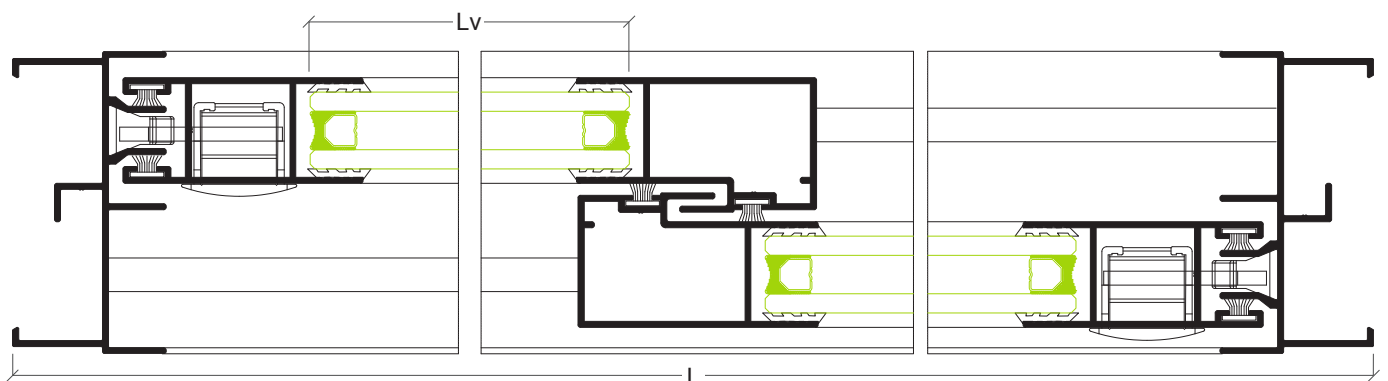


### Acessórios e Juntas

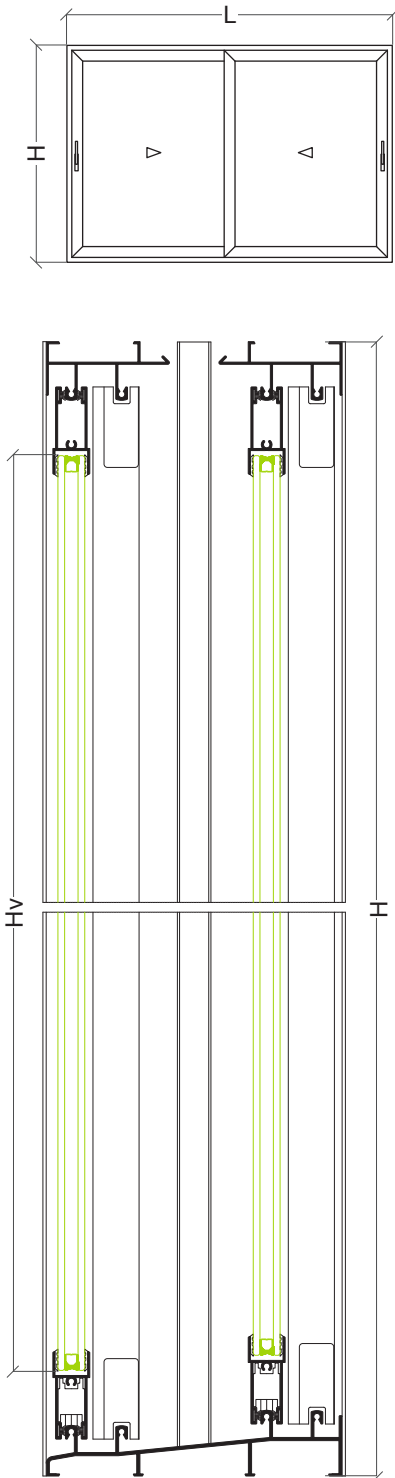
Referência	Descrição	Quantidade
30 97 00 01	Kit correr CM 2 folhas	1
30 97 00 02	Fecho lateral	2
30 91 41 10	Taco anti-levantamento	2
30 95 00 40	Pelúcia 7x5.5 mm	2L

### Vidro

Hv = H-134 mm	Lv = L/2-77 mm
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## Janela 2 folhas dupla correr



### Perfis

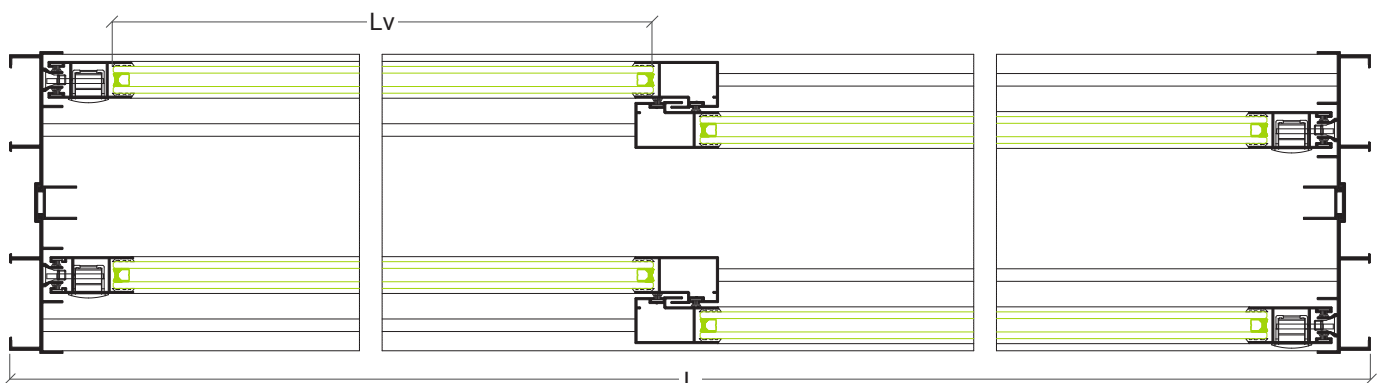
Desenho	Ref	Descrição	Corte	Quant	Medida
	CM-65	Padieira		2	L-40 mm
	CM-61	Soleira		1	L-40 mm
	CM-66	Ombreira		2	H
	CM-02	Móvel carrinho		8	L/2-14 mm
	CM-10	Móvel lateral		2	H-58 mm
				2	H-49 mm
	CM-09	Móvel central		2	H-58 mm
				2	H-49 mm
	CM-64	Guia		2	H+10 mm

### Acessórios e Juntas

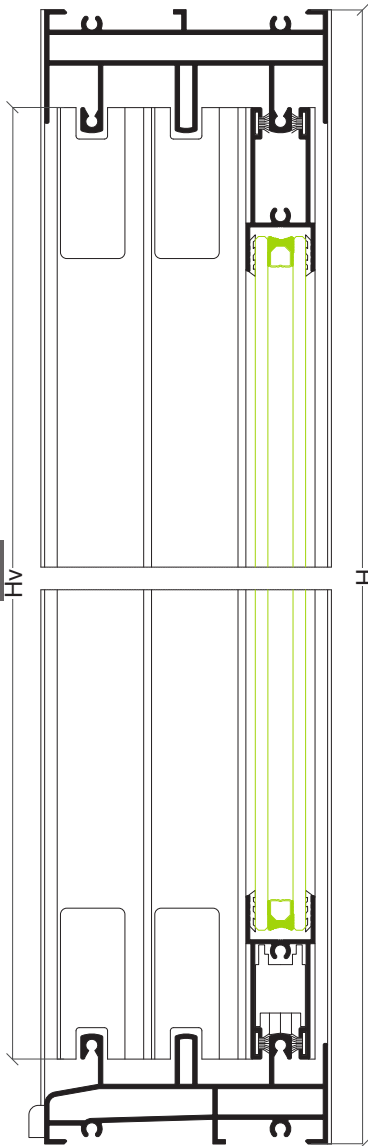
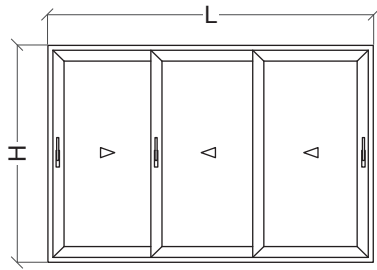
Referência	Descrição	Quantidade
30 97 00 01	Kit correr CM 2 folhas	2
30 97 00 02	Fecho lateral	4
30 91 41 10	Taco anti-levantamento	4
30 95 00 40	Pelúcia 7x5.5 mm	4L+6H

### Vidro

Folha interior	Hv = H-140 mm	Lv = L/2-77 mm
Folha exterior	Hv = H-132 mm	Lv = L/2-77 mm



## Janela 3 folhas correr tri-rail



### Perfis

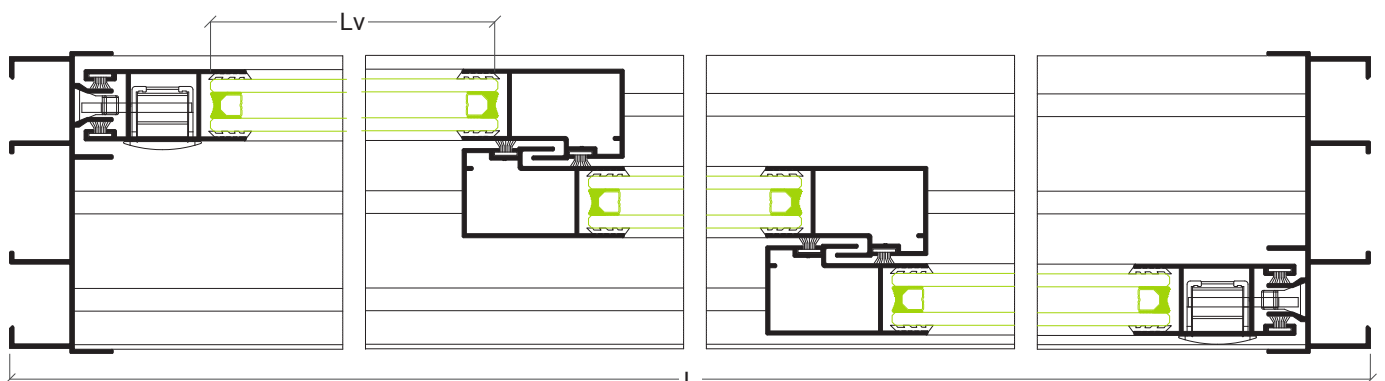
Desenho	Ref	Descrição	Corte	Quant	Medida
	CM-45	Padeieira tri-rail		1	L-40 mm
	CM-41	Soleira tri-rail		1	L-40 mm
	CM-46	Ombreira tri-rail		2	H
	CM-02	Móvel carrinho		4	L/3+2 mm
				2	L/3+15 mm
	CM-10	Móvel lateral		2	H-58 mm
	CM-09	Móvel central		4	H-58 mm

### Acessórios e Juntas

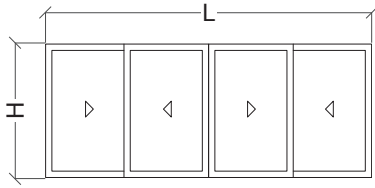
Referência	Descrição	Quantidade
30 97 00 04	Kit correr CM 3 folhas	1
30 97 00 02	Fecho lateral	2
30 91 41 10	Taco anti-levantamento	2
30 95 00 40	Pelúcia 7x5.5 mm	2L+8H

### Vidro

Hv = H-138 mm	Lv = L/3-60 mm
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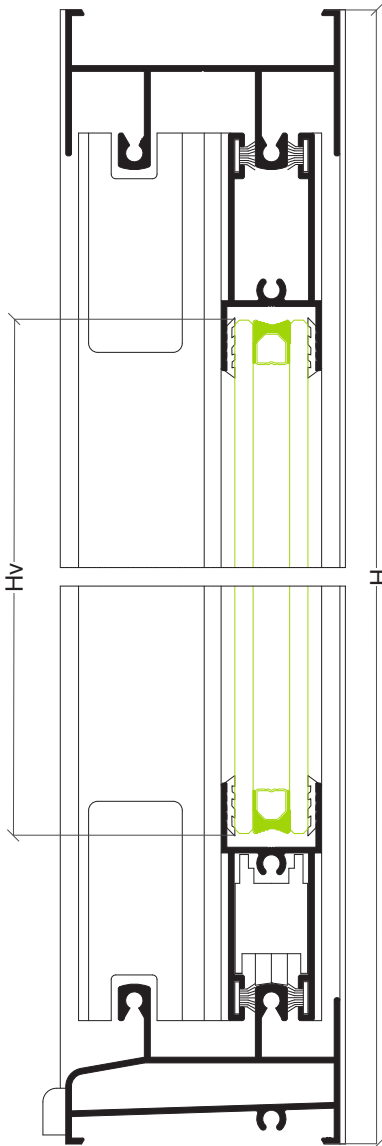


## Janela 4 folhas correr



### Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	CM-15	Padieira		1	L-40 mm
	CM-11	Soleira		1	L-40 mm
	CM-26	Ombreira		2	H
	CM-02	Móvel carrinho		8	L-4-3 mm
	CM-10	Móvel lateral		4	H-54 mm
	CM-09	Móvel central		4	H-54 mm
	CM-28	União 3/4F		1	H-54 mm



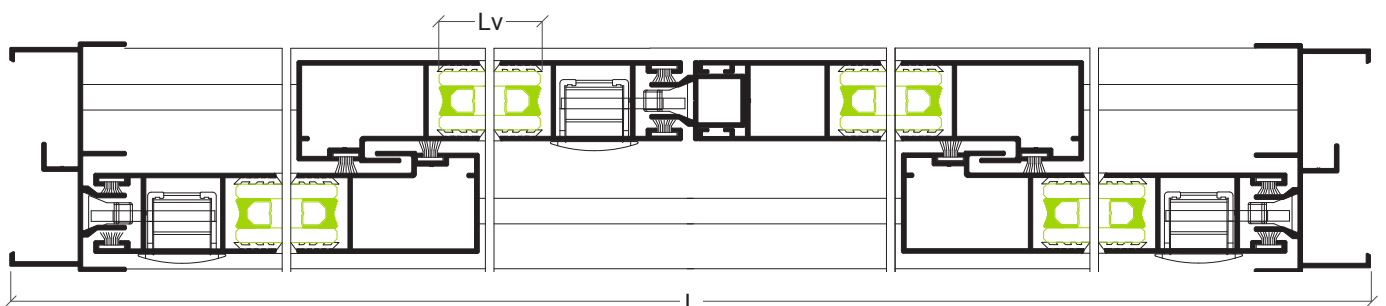
### Acessórios e Juntas

Referência	Descrição	Quantidade
30 97 00 01	Kit correr CM 2 folhas	2
30 97 00 02	Fecho lateral	3
30 91 41 10	Taco anti-levantamento	3
30 95 00 40	Pelúcia 7x5.5 mm	4L+10H

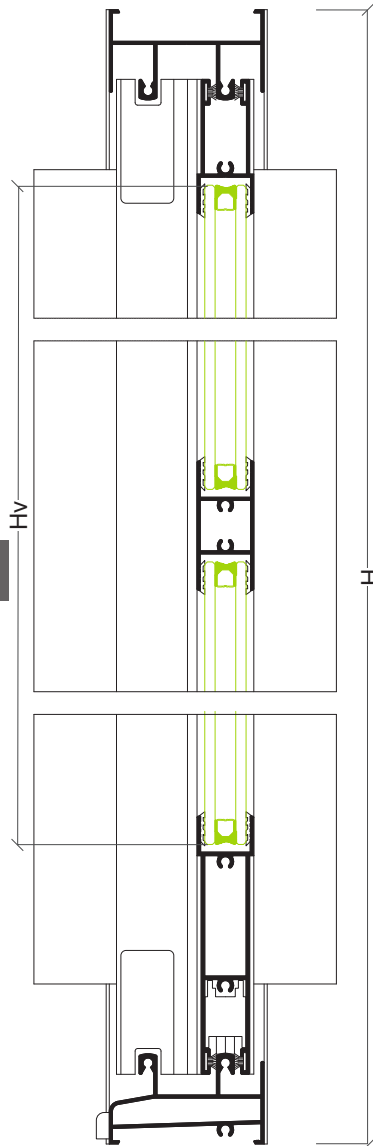
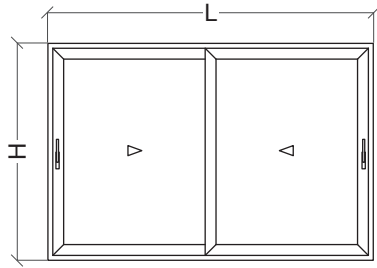
13

### Vidro

Hv = H-134 mm	Lv = L/4-66 mm
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## Porta 2 folhas correr



### Perfis

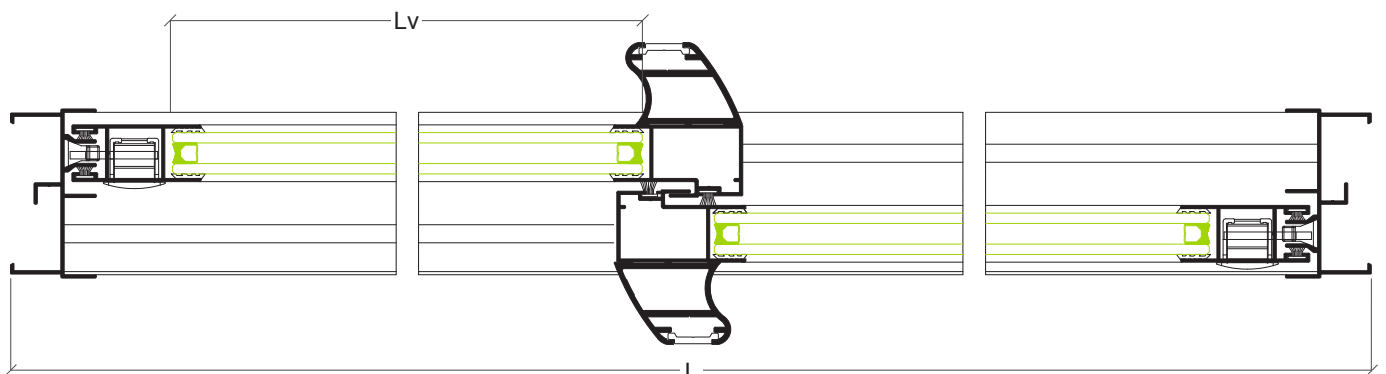
Desenho	Ref	Descrição	Corte	Quant	Medida
	CM-15	Padieira		1	L-40 mm
	CM-11	Soleira		1	L-40 mm
	CM-26	Ombreira		2	H
	CM-02	Móvel carrinho		2	L/2-16 mm
	CM-10	Móvel lateral		2	H-54 mm
	CM-09	Móvel central		2	H-54 mm
	CM-54	Travessa		2	L/2-70 mm
	CM-52	Almofada carrinho		2	L/2-16 mm
	CT-27	Reforço		2	H-124 mm
	AX-19	Vareta		2	H-124 mm

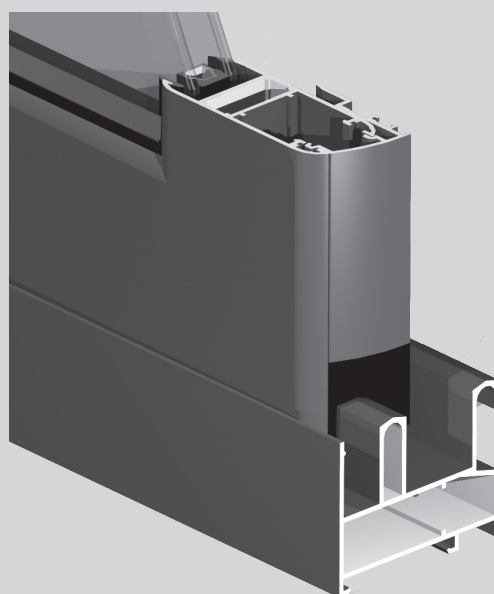
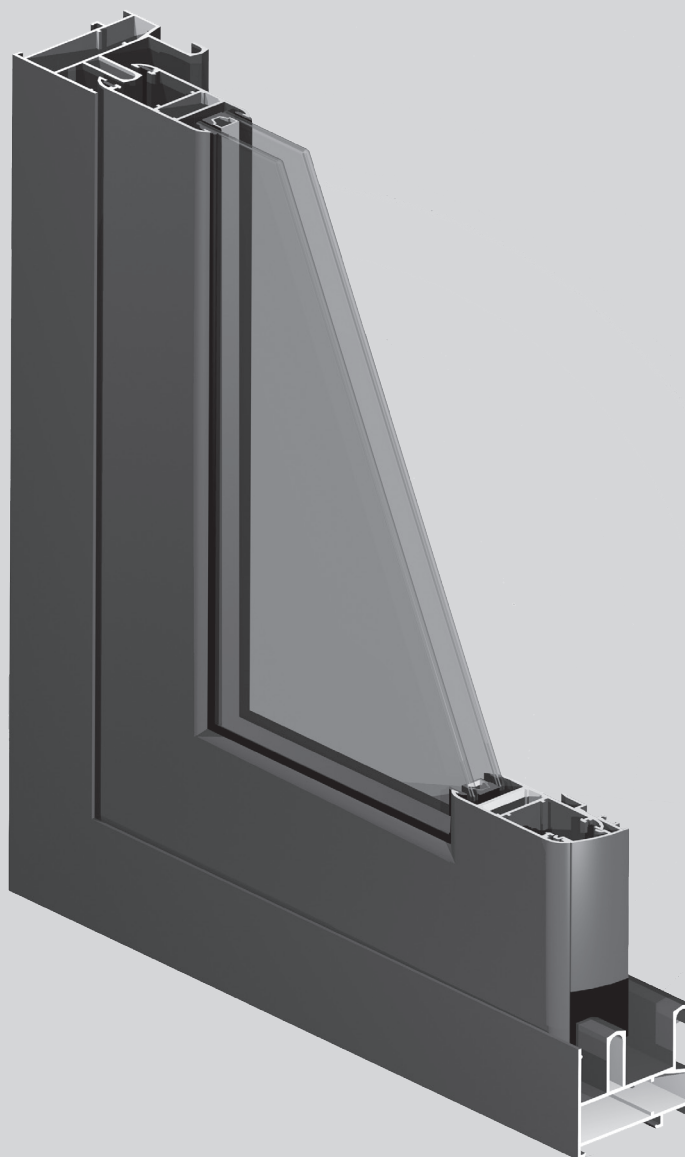
### Acessórios e Juntas

Referência	Descrição	Quantidade
30 97 00 01	Kit correr CM 2 folhas	1
30 97 00 02	Fecho lateral	2
30 91 41 35	Jogo tampas CT-27	2
30 91 41 10	Taco anti-levantamento	2
30 95 00 40	Pelúcia 7x5.5 mm	4L+6H

### Vidro

Hv = H1-131 mm	Lv = L/2-77 mm
Hv = H2-83 mm	Lv = L/2-77 mm





**Sistema**

**CP**

## Sistema CP

### Sistema de correr - 45 mm

#### Características do sistema

Sistemas de alumínio para execução de vãos de correr.

#### Perfis de alumínio

Os perfis de alumínio são extrudidos na liga de alumínio 6060 para arquitetura de acordo com norma NP EN 12020-02. Espessura média dos perfis de alumínio de 1.5 mm.

#### Aros fixos

Secção do aro fixo perimetral de 2 guias de 40, 45 ou 60 mm para montagem a meia esquadria;  
Secção do aro fixo perimetral de 3 guias de 80 mm para montagem a meia esquadria.

#### Aros móveis

Secção dos aros móveis perimetrais de 26 ou 27.5 mm para montagem a meia esquadria;  
Enchimento de 4 mm a 18 mm;  
Aros móveis de linha recta ou curva;  
Estanquidade assegurada através de pelúcia tipo Fin-Seal.

#### Dimensionamento e manobralidade

Peso máximo de 100 kg por folha (com 2 rolamentos duplos);  
Possibilidades de abertura: 2, 3, 4 e 6 folhas, com folhas móveis e/ou fixas;  
Sistema compatível com os sistemas de batente AZ e AX.

#### 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 CP 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 CP tipologia porta:

1. Permeabilidade ao ar: Classe 4 (norma de ensaio EN 1026)
2. Estanquidade à água: Classe 7A (norma de ensaio EN 1027)
3. Resistência ao vento: Classe C1 (norma de ensaio EN 12211)

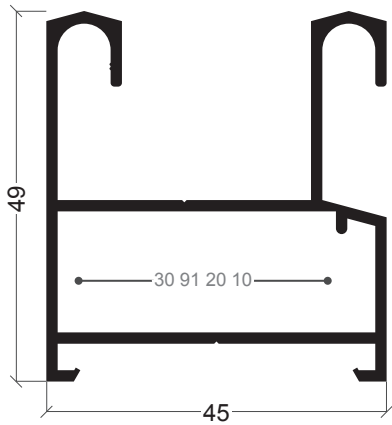
Coefficiente de transmissão térmica de vão de 2 folhas com 1.20 m x 2.20 m com vidro  $U_g = 1.8 \text{ W/m}^2\text{K}$ :

•  $U_w = 3.34 \text{ W/m}^2\text{K}$

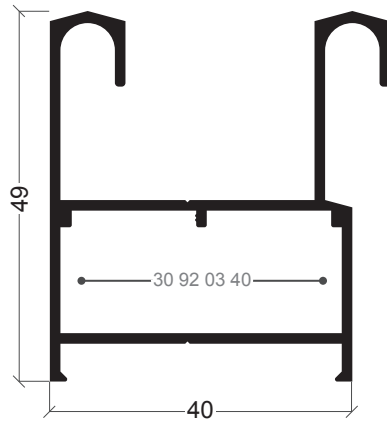
Coefficiente de atenuação acústica de vão de 2 folhas com vidro 4/10/4:

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

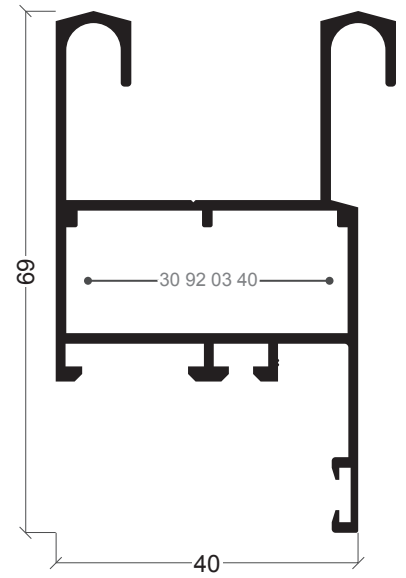
Zonas de aplicação segundo RCCTE (em função do valor  $U_g$ ): I1, I2, I3, V1, V2, V3;



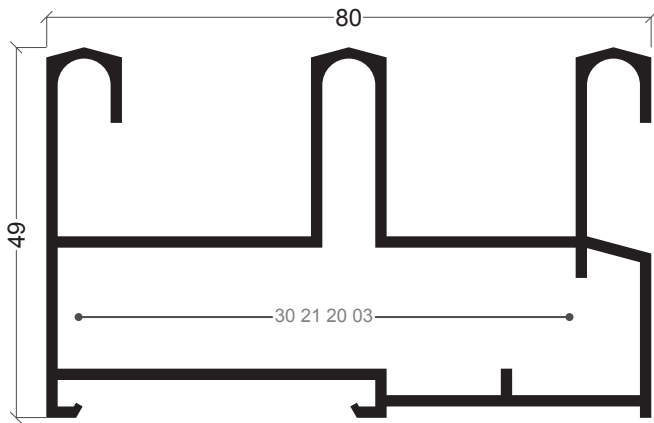
**CP-01**  
Aro fixo



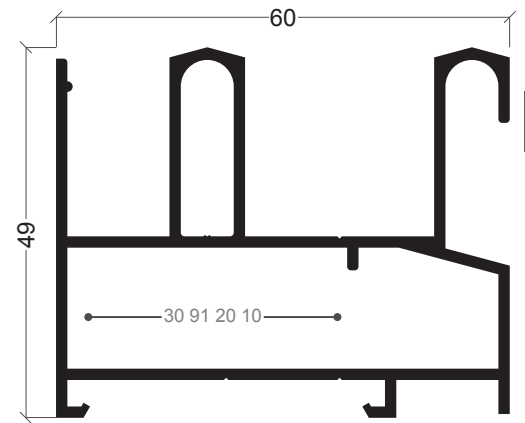
**CP-17**  
Aro fixo



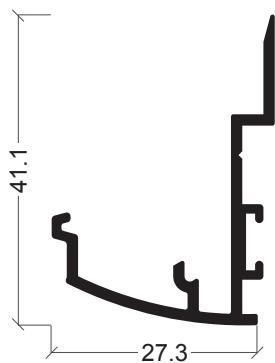
**CP-18**  
Aro fixo



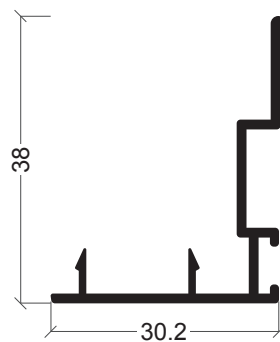
**CP-05**  
Aro fixo



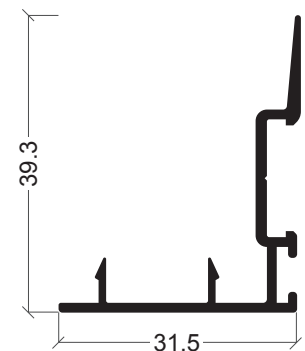
**CP-10**  
Aro fixo



**CP-12**  
Tampa cruzamento CP-11/20

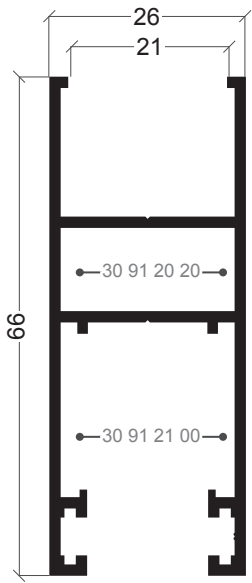


**CP-15**  
Tampa cruzamento CP-13

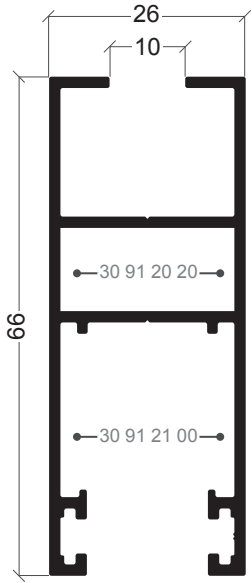


**CP-03**  
Tampa cruzamento CP-02/04/07

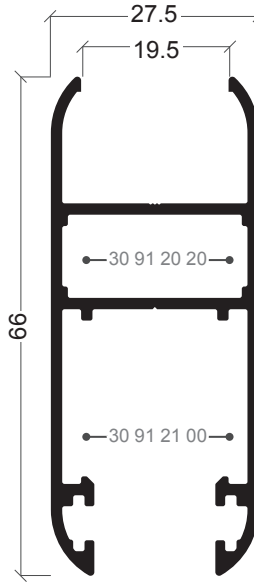




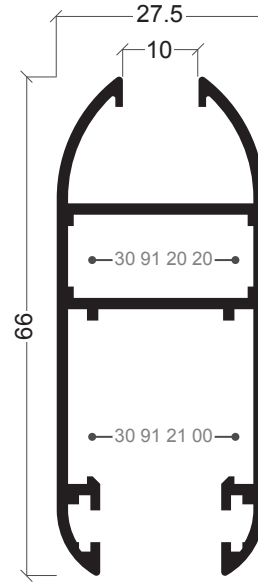
**CP-02**  
Aro móvel



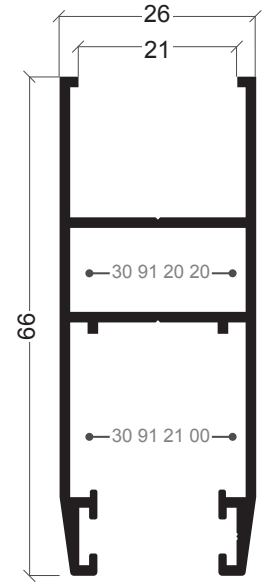
**CP-04**  
Aro móvel



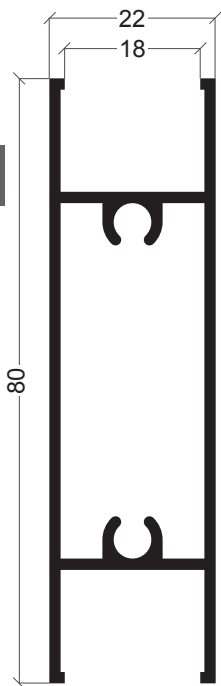
**CP-11**  
Aro móvel



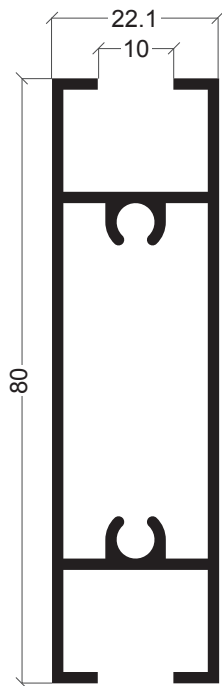
**CP-20**  
Aro móvel



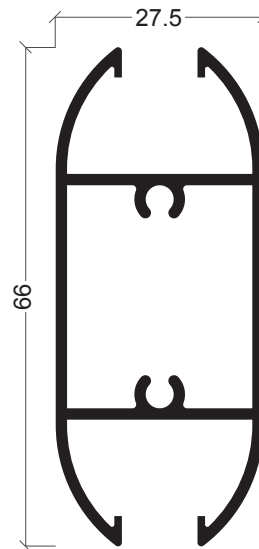
**CP-13**  
Aro móvel



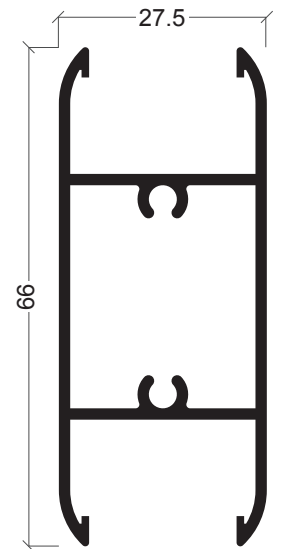
**CP-08**  
Travessa



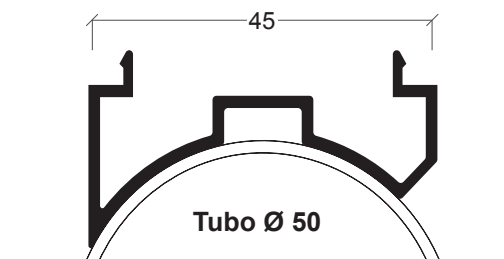
**CP-09**  
Travessa



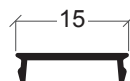
**CP-22**  
Travessa



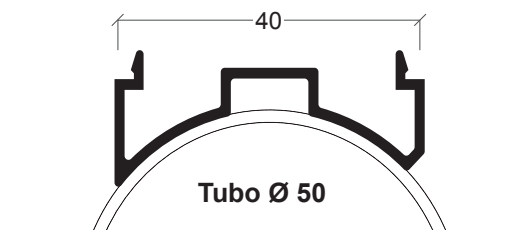
**CP-23**  
Travessa



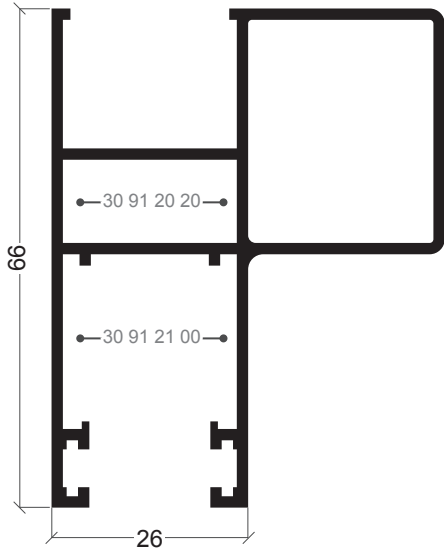
**CP-16**  
Comp. p/ ângulo



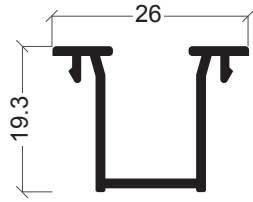
**KL-04**  
Tampa



**CP-19**  
Comp. p/ ângulo



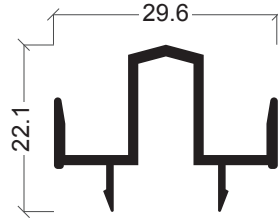
**CP-07**  
Aro móvel com reforço



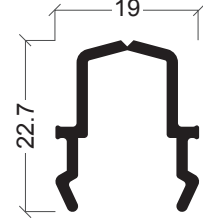
**CP-14**  
Redutor vidro simples



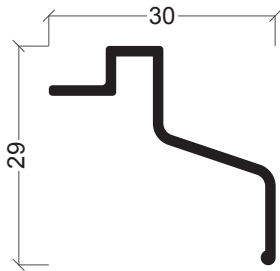
**AX-19**  
Vareta



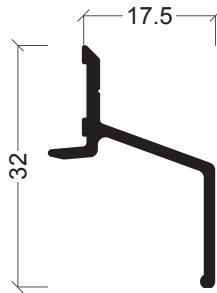
**CP-06**  
União 3/4 F



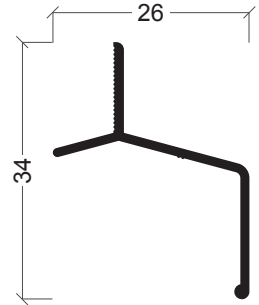
**CP-21**  
União 3/4 F



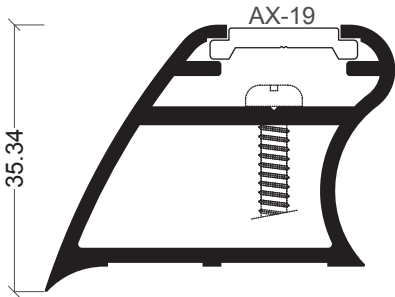
**AXi-45**  
Pingadeira superior



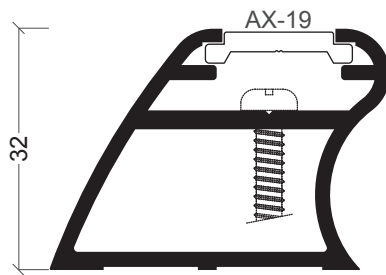
**CT-29**  
Pingadeira superior



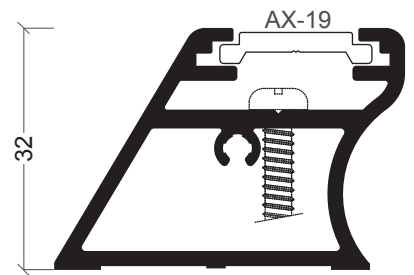
**CT-07**  
Pingadeira superior



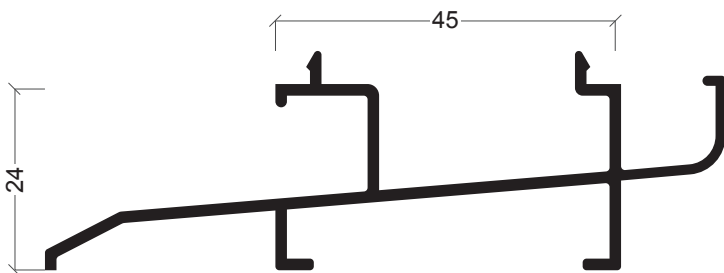
**CT-03**  
Reforço



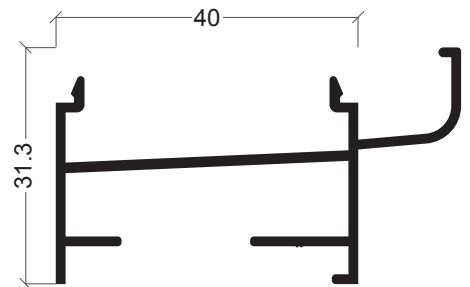
**CT-27**  
Reforço



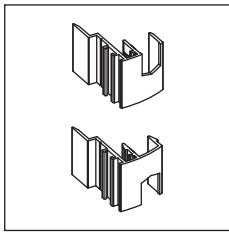
**CT-28**  
Reforço

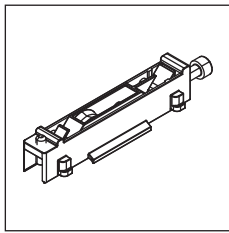


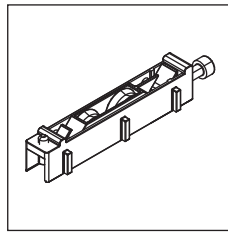
**AX-17**  
Soleira condensação

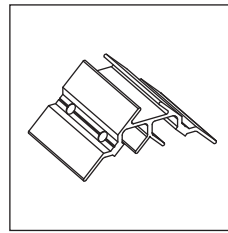


**AZ-19**  
Soleira condensação

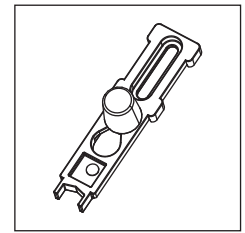

**30 20 20 02**

 Jogo tampas centrais  
CP-12

**30 20 20 03**

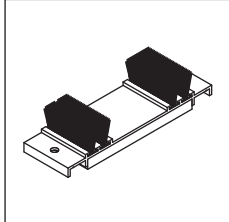
 Rolamentos simples  
(25 kg)

**30 20 20 05**

 Rolamentos duplos  
(25 kg)

**30 21 20 03**

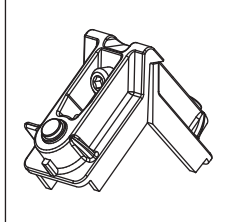
Esquadro CP-05


**30 21 20 04**

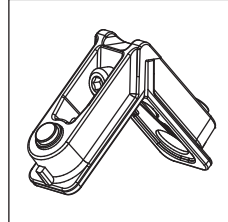
Guia lateral batente


**30 21 20 05**

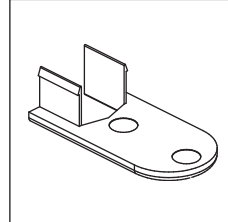
Corta-ventos CP-05/10


**30 91 20 10**

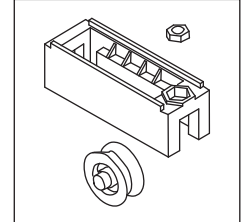
Esquadro CP-01/10


**30 91 20 20**

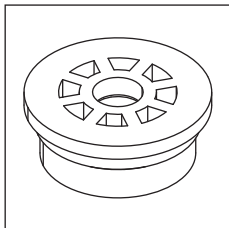
Esquadro aro móvel


**30 91 20 40**

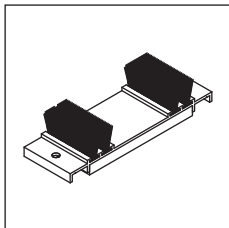
Tampa guia lateral

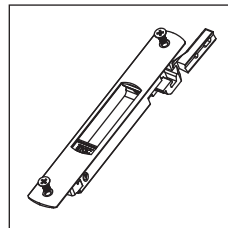

**30 91 20 50**

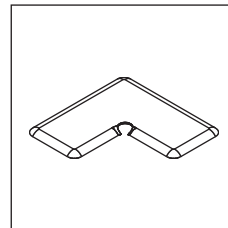
Rolamentos (20 kg)

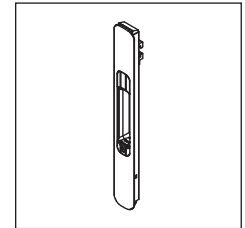

**30 91 20 60**

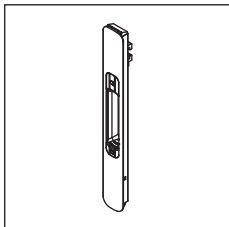
Canal

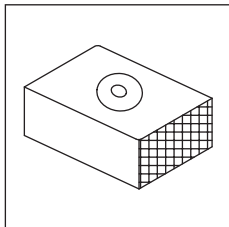

**30 91 20 70**

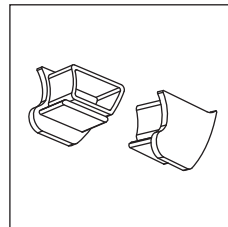
 Corta-ventos  
CP-01/05/17/18

**30 91 20 80/81**

 Fecho lateral branco/  
preto

**30 91 21 00**

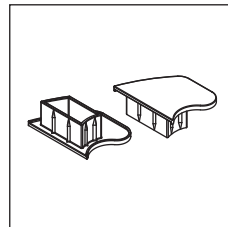
 Esquadro alinhamento  
móvel

**30 91 40 39/40/41**

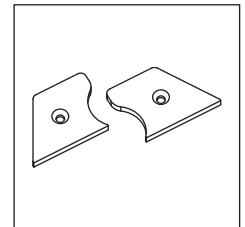
 Fecho lateral manual  
natural/branco/preto

**30 91 40 42/43**

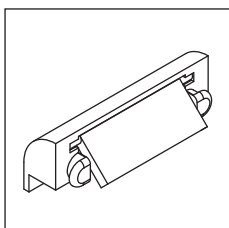
 Fecho lateral automatico  
branco/preto

**30 91 41 10**

 Taco anti-levantamento  
preto

**30 91 41 35**

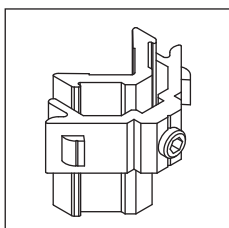
Jogo tampas CT-03

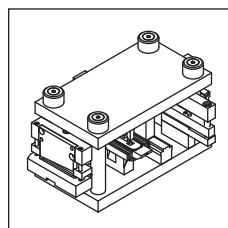

**30 91 41 63/64**

 Jogo topos CT-27  
branco/preto

**30 91 41 65/66**

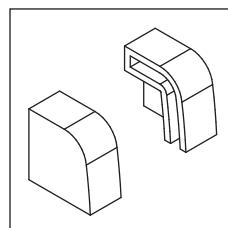
 Jogo topos CT-28  
branco/preto

**30 92 01 02/03**

Goteiras branco/preto

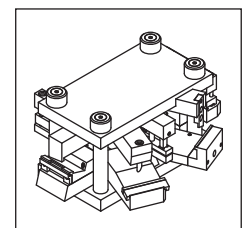

**30 92 03 40**

 Esquadro janela  
CP-17/18

**33 92 99 99**

Cunho CP


**30 96 00 12**

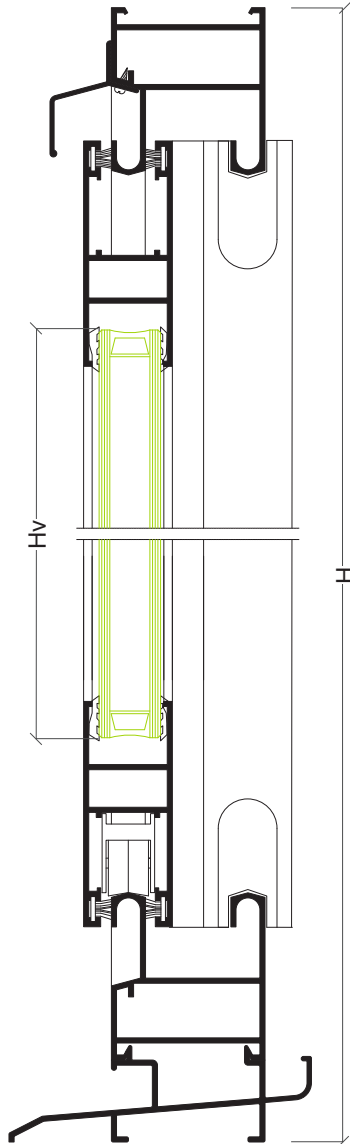
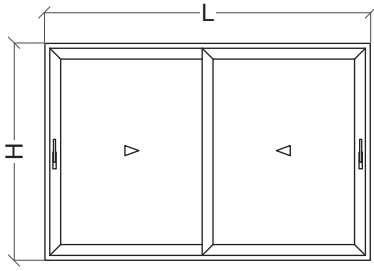
Jogo topos condensação


**33 96 79 99**

 Cunho CE para  
CP-17/18

Referência	Desenho	Descrição
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 30		Pelúcia 7x7 mm

## Janela 2 folhas correr



### Perfis

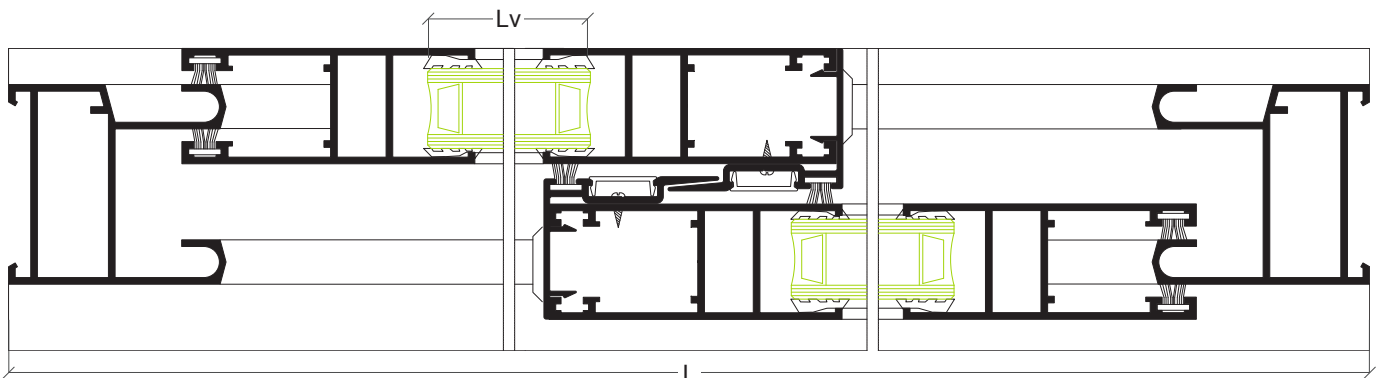
Desenho	Ref	Descrição	Corte	Quant	Medida
	CP-01	Aro fixo		2	L
				2	H-24 mm
	CP-02	Aro móvel		4	L/2-6 mm
				4	H-103 mm
	CP-03	Tampa de cruzamento CP-02		1	H-103 mm
	CT-07	Pingadeira		1	L
	AX-17	Soleira de condensação		1	L
	KL-04	Tampa		2	H-103 mm

### Acessórios e Juntas

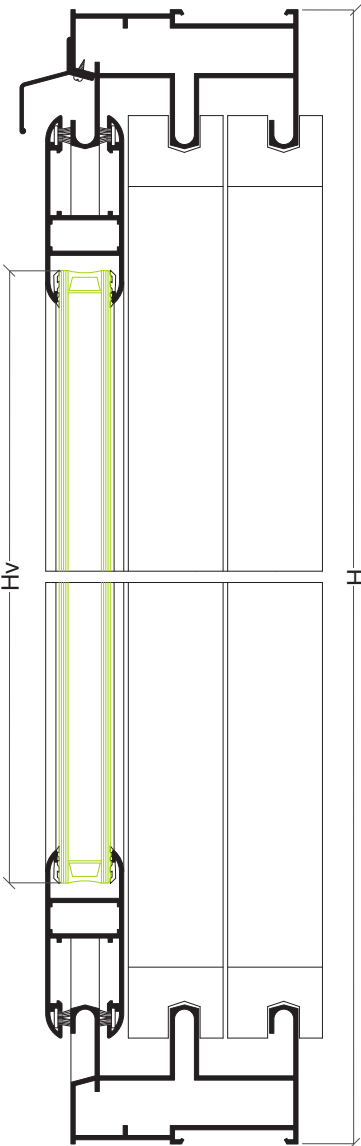
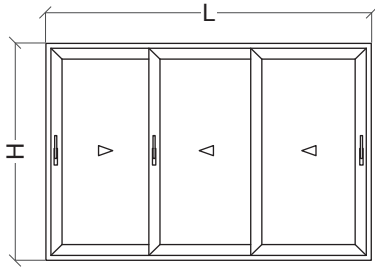
Referência	Descrição	Quantidade
30 21 20 04	Guia lateral batente	4
30 91 20 10	Esquadro CP-01	4
30 91 20 20	Esquadro aro móvel	8
30 91 20 40	Tampa guia lateral	4
30 91 20 50	Rolamentos	4
30 91 20 60	Canal	2
30 91 20 70	Corta ventos superior/inferior	2
30 91 20 80	Fecho lateral	2
30 91 21 00	Esquadros alinhamento	16
30 96 00 12	Jogo topos condensação	1
30 92 01 02	Goteira com válvula	2
30 91 41 10	Taco anti-levantamento	2
30 95 00 30	Pelúcia 7x7 mm	4L/6H
-----	Junta para vidro	4L/8H

### Vidro

Hv = H-208 mm	Lv = L/2-111 mm
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## Janela 3 folhas correr tri-rail



### Perfis

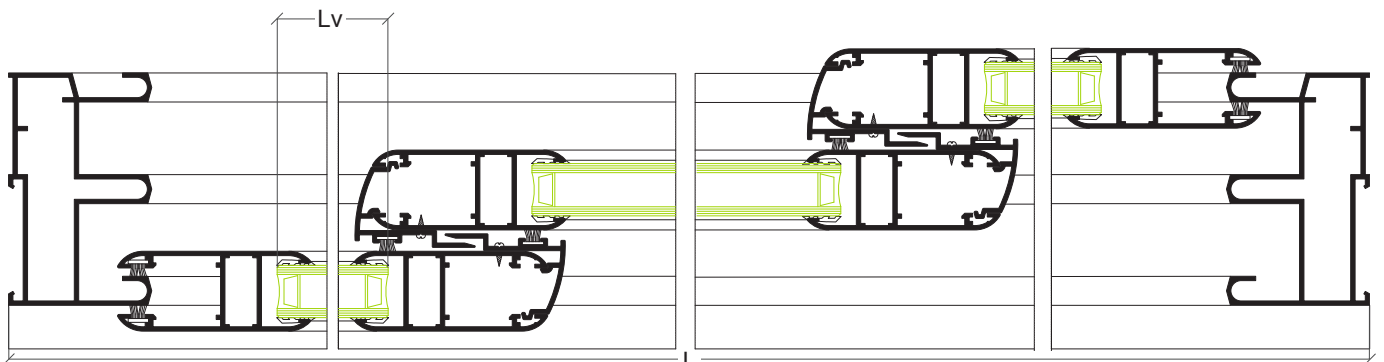
Desenho	Ref	Descrição	Corte	Quant	Medida
	CP-05	Aro fixo		2	L
				2	H
	CP-11	Aro móvel		6	L/3+15 mm
				6	H-75 mm
	CP-12	Tampa de cruzamento CP-11		4	H-125 mm
	CT-07	Pingadeira		1	L

### Acessórios e Juntas

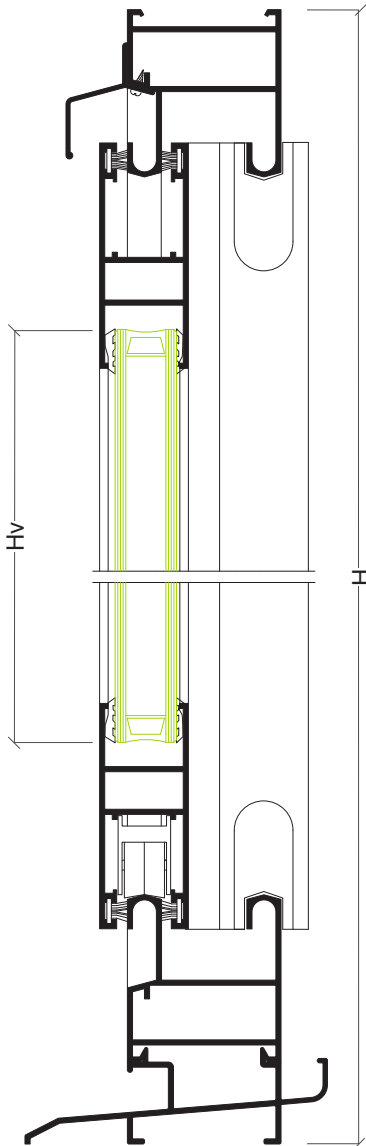
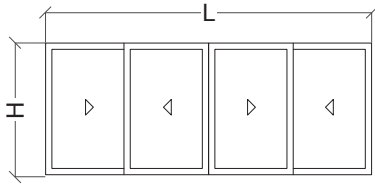
Referência	Descrição	Quantidade
30 20 20 02	Jogo tampas centrais	4
30 21 20 03	Esquadro aro fixo	4
30 21 20 04	Guia lateral batente	4
30 21 20 05	Corta-ventos superior/inferior	2
30 91 20 20	Esquadro aro móvel	12
30 91 20 50	Rolamentos	6
30 91 20 60	Canal	4
30 91 20 70	Corta-ventos superior/inferior	2
30 91 20 80	Fecho lateral	2
30 91 21 00	Esquadros alinhamento	24
30 92 01 02	Goteira com válvula	3
30 91 41 10	Taco anti-levantamento	2
30 95 00 30	Pelúcia 7x7 mm	4L/6H
----	Junta para vidro	4L/12H

### Vidro

Hv = H-184 mm	Lv = L/3-94 mm
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## Janela 4 folhas correr



### Perfis

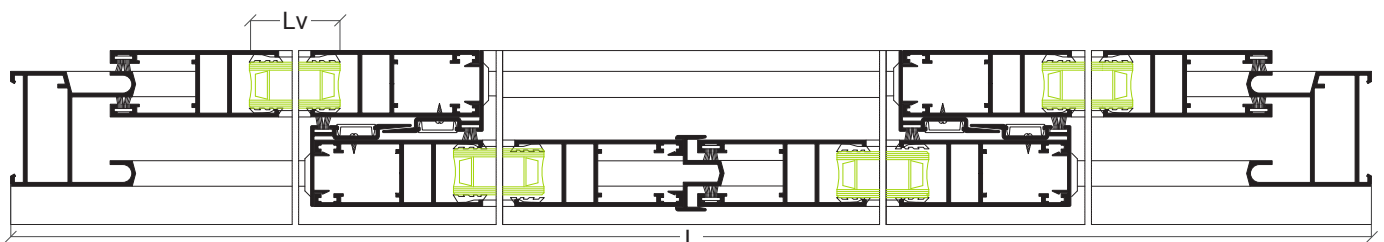
Desenho	Ref	Descrição	Corte	Quant	Medida
	CP-01	Aro fixo		2	L
				2	H-24 mm
	CP-02	Aro móvel		8	L/4+11.5 mm
				8	H-103 mm
	CP-03	Tampa de cruzamento CP-02		4	H-103 mm
	CT-07	Pingadeira		1	L
	CP-06	União 4 folhas		1	H-103 mm
	AX-17	Soleira de condensação		1	L
	KL-04	Tampa		4	H-103 mm

### Acessórios e Juntas

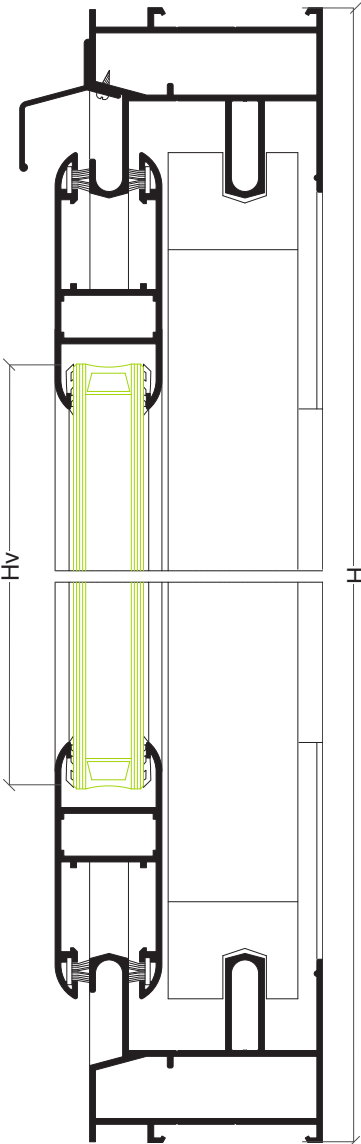
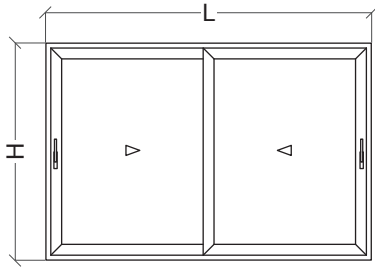
Referência	Descrição	Quantidade
30 21 20 04	Guia lateral batente	6
30 91 20 10	Esquadro aro fixo	4
30 91 20 20	Esquadro aro móvel	16
30 91 20 40	Tampa lateral	8
30 91 20 50	Rolamentos	8
30 91 20 60	Canal	4
30 91 20 70	Corta ventos superior/inferior	6
30 91 20 80	Fecho lateral	3
30 91 21 00	Esquadro alinhamento	32
30 91 00 12	Jogo topos condensação	1
30 92 01 02	Goteira com válvula	4
30 91 41 10	Taco anti-levantamento	2
30 95 00 30	Pelúcia 7x7 mm	4L/10H
-----	Junta para vidro	4L/16H

### Vidro

Hv = H-208 mm	Lv = L/4-94 mm
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## Porta 2 folhas correr



### Perfis

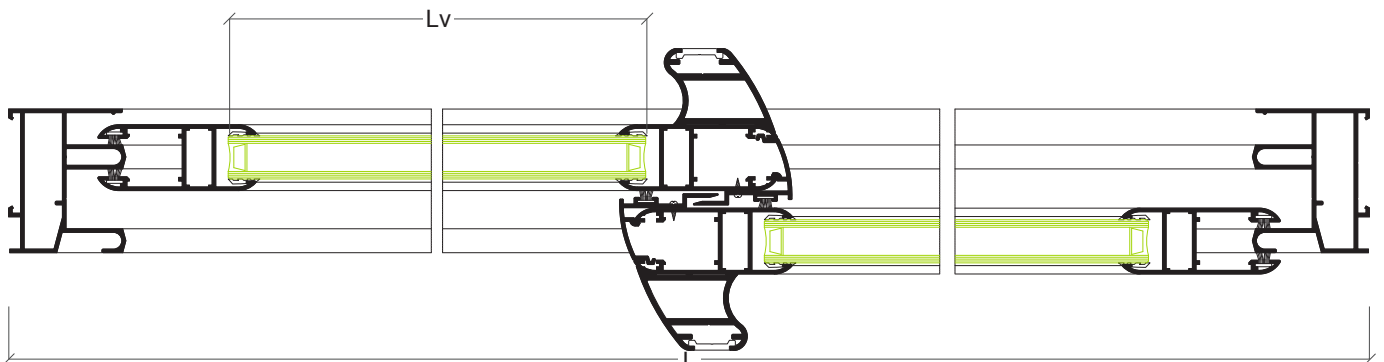
Desenho	Ref	Descrição	Corte	Quant	Medida
	CP-10	Aro fixo		2	L
				2	H
	CP-11	Aro móvel		4	L/2-7 mm
				4	H-75 mm
	CP-12	Tampa de cruzamento CP-11		2	H-125 mm
	CT-07	Pingadeira		1	L
	AX-19	Vareta		2	H-206 mm
	CT-03	Reforço		2	H-206 mm

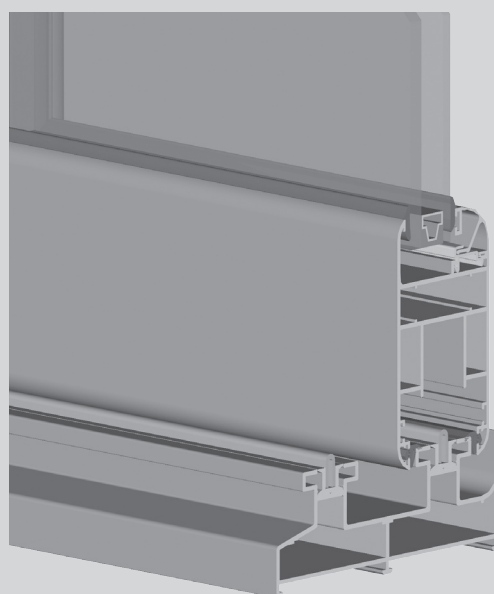
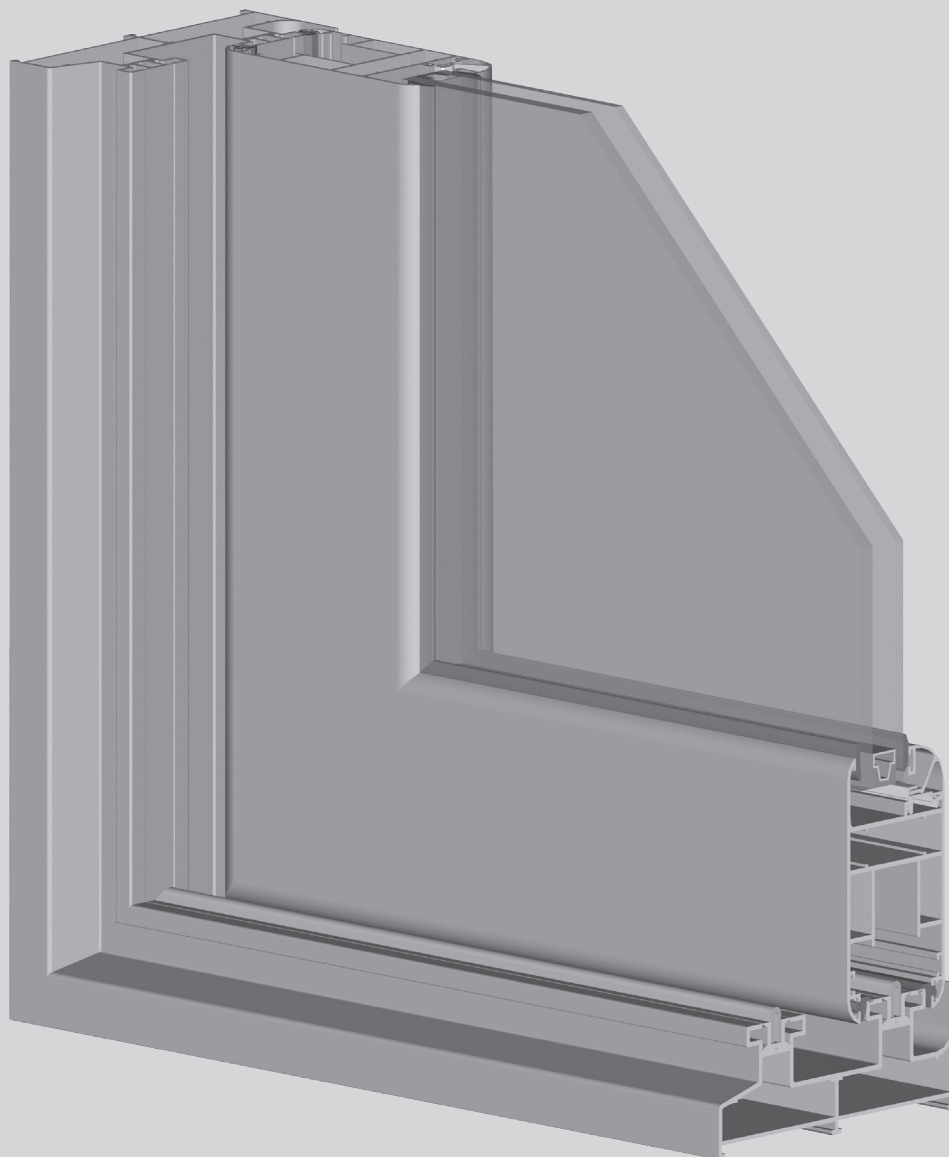
### Acessórios e Juntas

Referência	Descrição	Quantidade
30 20 20 02	Jogo tampas centrais	2
30 20 20 04	Rolamentos duplos	4
30 21 20 04	Guia lateral batente	4
30 21 20 05	Corta-ventos superior/inferior	2
30 91 20 10	Esquadro aro fixo	4
30 91 20 20	Esquadro aro móvel	8
30 91 41 35	Jogo tampas CT-03	2
30 91 20 60	Canal	2
30 91 21 80	Fecho lateral	2
30 91 21 00	Esquadro alinhamento	16
30 92 01 02	Goteira com válvula	2
30 91 41 10	Taco anti-levantamento	2
30 95 00 30	Pelúcia 7x7 mm	4L/6H
-----	Junta para vidro	4L/16H

### Vidro

Hv = H-184 mm	Lv = L/2-116 mm
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**Sistema**

**CK**



## Sistema CK

### Sistema de correr - 120 mm

#### Características do sistema

Sistema de alumínio para execução de vãos de correr ou correr/eleváveis.

#### Perfis de alumínio

Os perfis de alumínio são extrudidos na liga de alumínio 6060 para arquitetura de acordo com norma NP EN 12020-02. Espessura média dos perfis de alumínio de 1.7 mm.

#### Aros fixos

Secção do aro fixo perimetral de 2 guias de 122 mm para montagem a meia esquadria;  
Secção do aro fixo perimetral de 3 guias (Tri-Rail) de 184 mm para montagem a meia esquadria;  
Perfil guia de deslizamento inferior em aço inoxidável 304 para evitar desgaste das peças.

#### Aros móveis

Secção dos aros móveis perimetral de 50.6 mm com montagem a meia esquadria;  
Enchimento de 4 mm a 38 mm;  
Bites rectos ou curvos;  
Estanquidade assegurada através de juntas em EPDM e pelúcia tipo Fin-Seal.

#### Dimensionamento e manobralidade

Dimensões mínimas - máximas de folha: 720 mm – 3350 mm (L); 1190 mm - 2690 mm (H), com possibilidade de, aplicando prolongador, altura máxima = 3325 mm;  
Peso máximo de 250 kg por folha com rolamentos duplos reguláveis;  
Peso máximo de 300 kg por folha com ferragem elevável base com opção de 400kg por folha com kit suplementar;  
Possibilidades de abertura: 2, 3, 4 ou 6 folhas, com folhas móveis e/ou fixas;  
Sistema de correr-elevável com funcionamento baseado numa ferragem aplicada em conjunto com as folhas e que permite a elevação destas aquando da sua fácil abertura mesmo com configurações extremas de peso ou de dimensões;  
Quando fechada, a folha comprime as juntas de EPDM permitindo uma estanquidade perimetral perfeita;  
Ferragem base com 2 pontos de fecho e com possibilidade de acrescentar mais 1 ou 2 pontos suplementares;  
Ferragem base com micro-ventilação;  
Ferragem constituída com carrinhos de 4 rodas em PVC reforçadas com fibra de vidro e rolamentos de agulha de alta prestação;  
Puxador específico para facilitar as manobras de abertura e fecho do vão;  
Existe opção com puxador duplo, com colocação de canhão com chave, para permitir abertura pelo exterior.

2

#### 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.

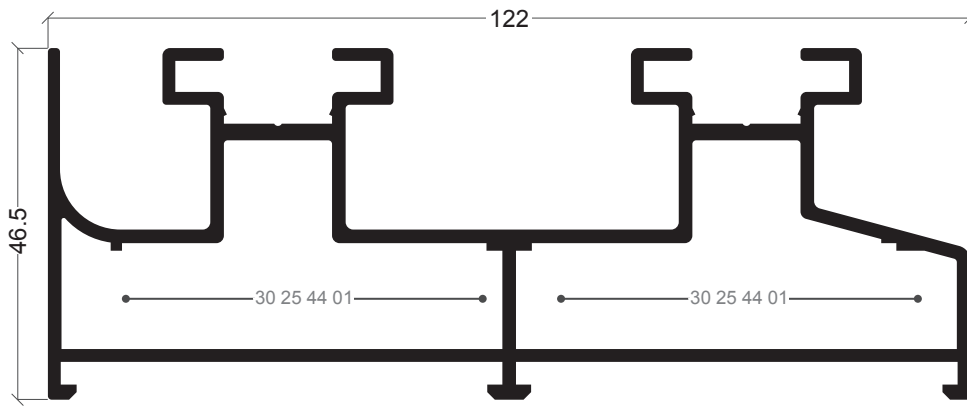
Categorias alcançadas na avaliação do sistema CK:

1. Permeabilidade ao ar: Classe 3 (norma de ensaio EN 1026)
2. Estanquidade à água: Classe 6A (norma de ensaio EN 1027)
3. Resistência ao vento: Classe C2 (norma de ensaio EN 12211)

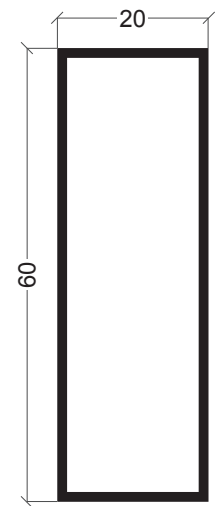
Coeficiente de transmissão térmica de vão de 2 folhas com 5.0 m x 2.50 m com vidro  $U_g = 0.7 \text{ W/m}^2\text{K}$  com intercalar efeito "Warm Edge":  
•  $U_w = 1.90 \text{ W/m}^2\text{K}$

Coeficiente de atenuação acústica de vão de 2 folhas com vidro 6/16/44.1 acústico:  
•  $R_w (C; C_{tr}) = 41 \text{ dB} (-1; -5)$

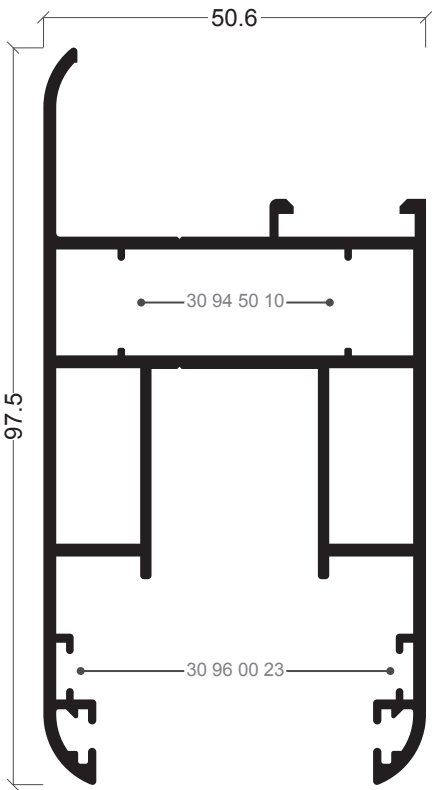
Zonas de aplicação segundo RCCTE (em função do valor  $U_g$ ): I1, I2, I3, V1, V2, V3;



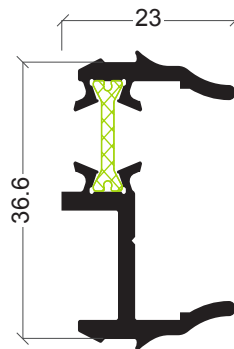
**CK-01**  
Aro fixo perimetral



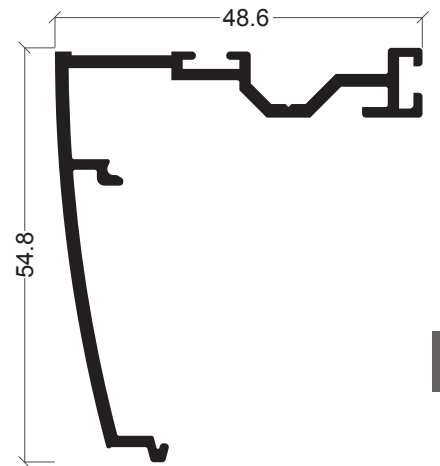
**P-08**  
Tubo 60x20



**CK-02**  
Aro móvel perimetral



**CTe-09**  
União 3/4 Folhas



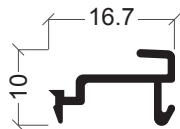
**CK-06**  
Tampa cruzamento aro móvel



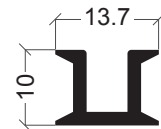
**KL-04**  
Tampa



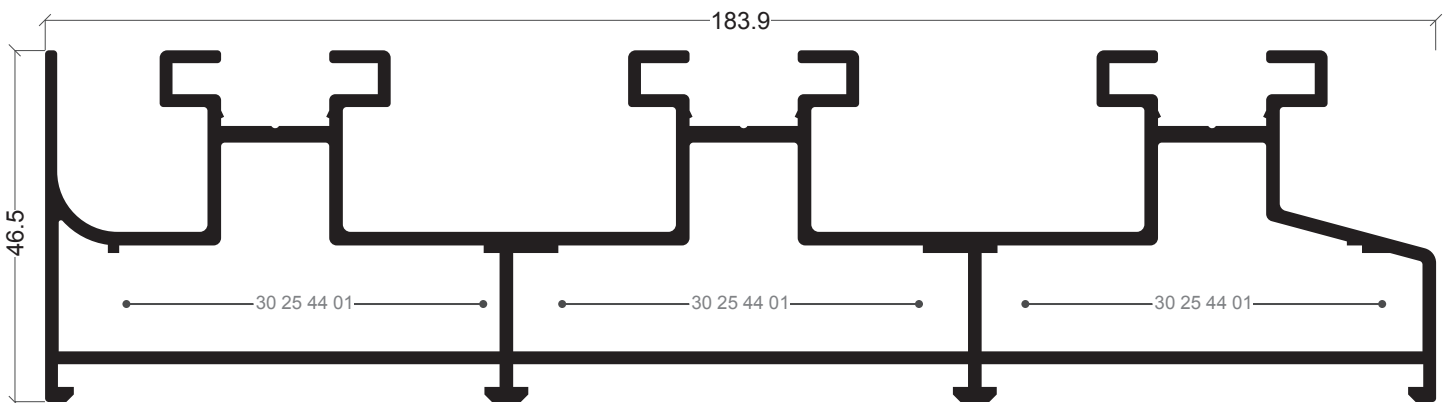
**CTe-03**  
Guia Inox 304



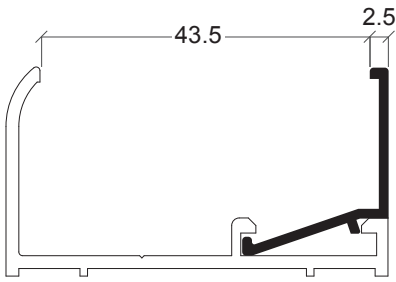
**AX-33**  
Mola Bite



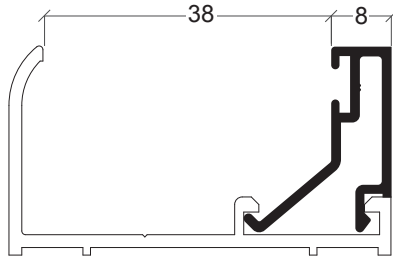
**CK-04**  
Adaptador de guia



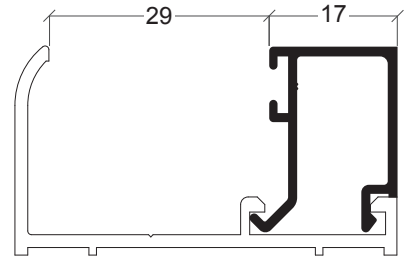
**CK-05**  
Aro fixo perimetral tri-rail



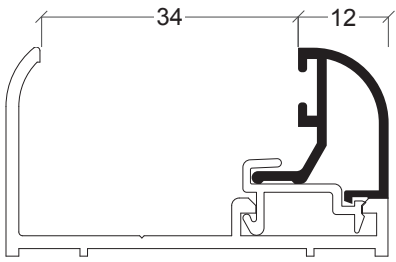
AX-69



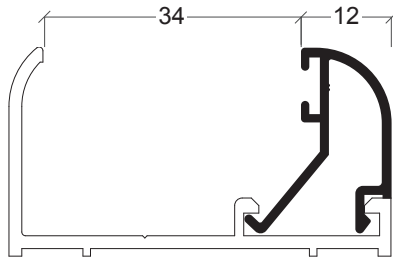
AX-74



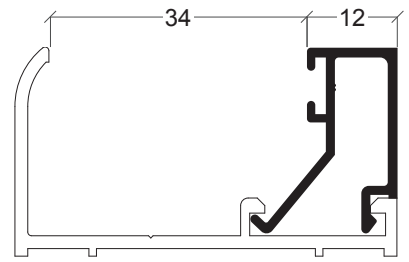
AX-46



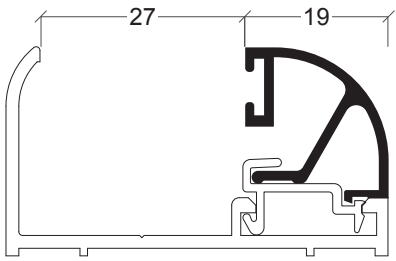
AX-37



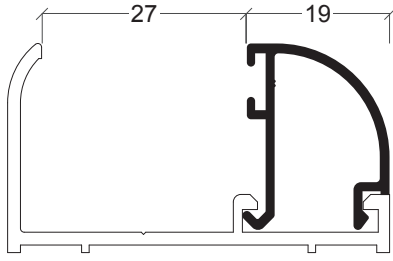
AZ-08



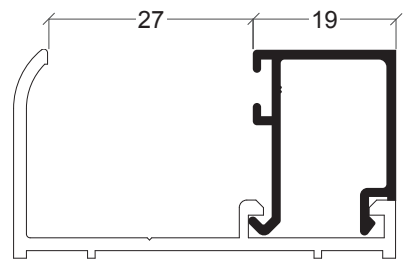
AX-36



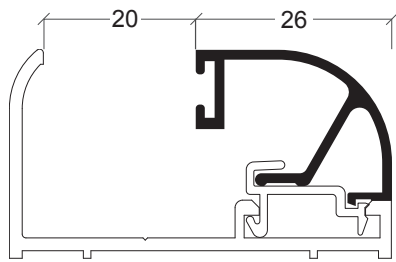
AX-30



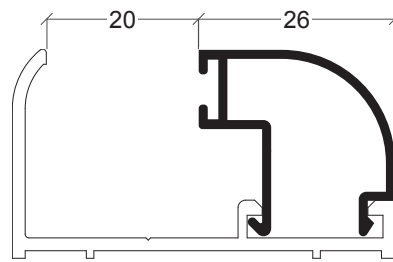
AZ-07



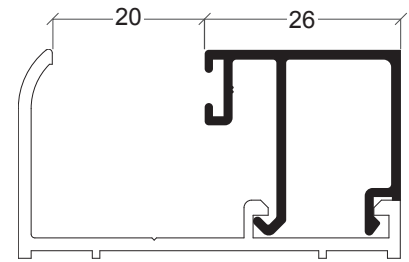
AX-35



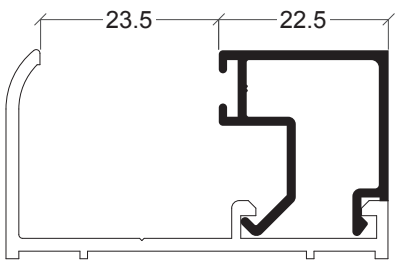
AX-29



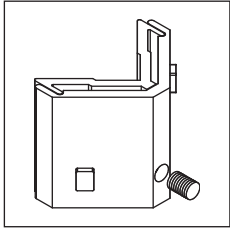
AZ-06



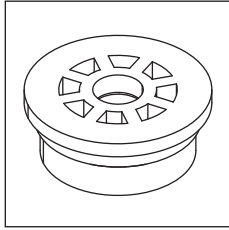
AX-31



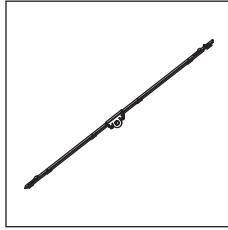
AX-78



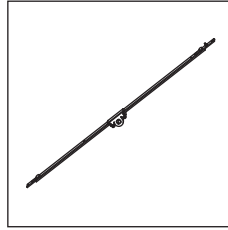
**30 25 44 01**  
Esquadro aro fixo



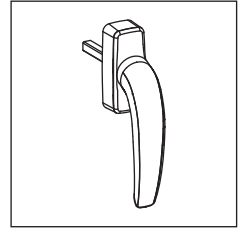
**30 91 20 60**  
Canal para drenagem



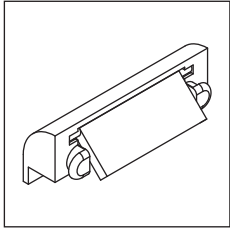
**30 91 41 31**  
Barra 2 pontos com apoios (600 mm)



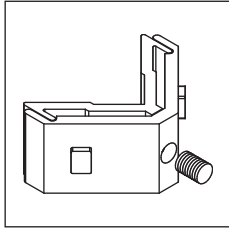
**30 91 41 32**  
Barra 3 pontos com apoios (1670 mm)



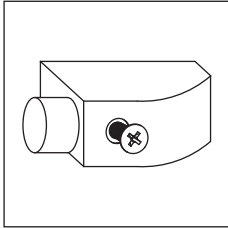
**30 91 41 47/48**  
Cremone multi-ponto branco/preto



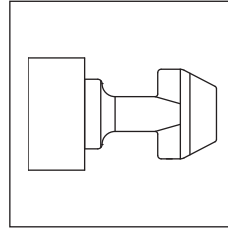
**30 92 01 02/03**  
Goteira preto/branco



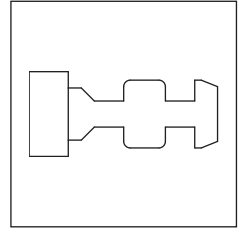
**30 94 50 10**  
Esquadro



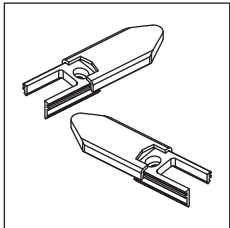
**30 94 50 20**  
Limitador abertura



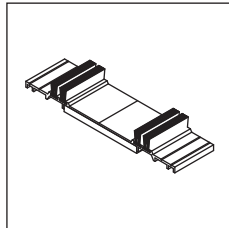
**30 94 50 22**  
Ponto de fecho nº 1



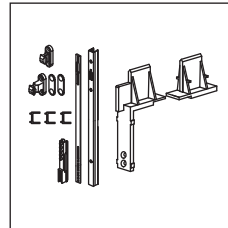
**30 94 50 23**  
Ponto de fecho nº 2



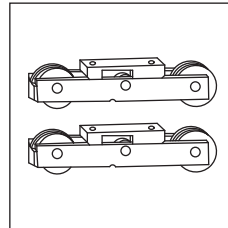
**30 94 50 30**  
Jogo guia móvel



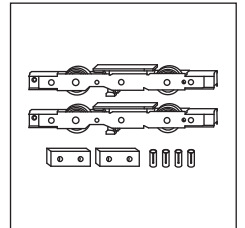
**30 94 50 41**  
Corta-vento inferior/superior



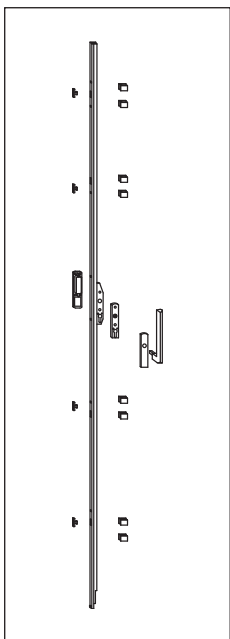
**30 94 50 50**  
Prolongador



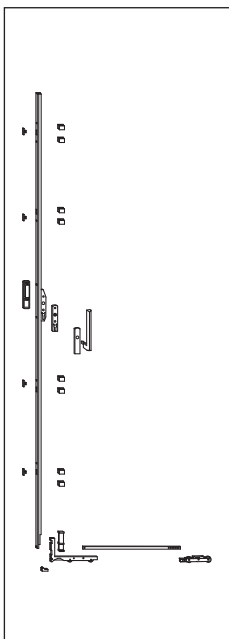
**30 94 50 70**  
Jogo rolamento para folha móvel ou fixa 225 kg



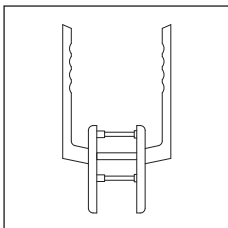
**30 94 51 95**  
Kit elevável 400kg



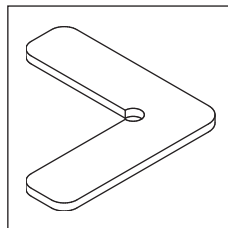
**Ver tabela**  
Kit multiponto



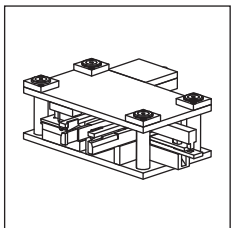
**Ver tabela**  
Kit elevável












**30 94 52 00**  
Puxador duplo para correr-elevatória



**30 96 00 23**  
Esquadro alinhamento



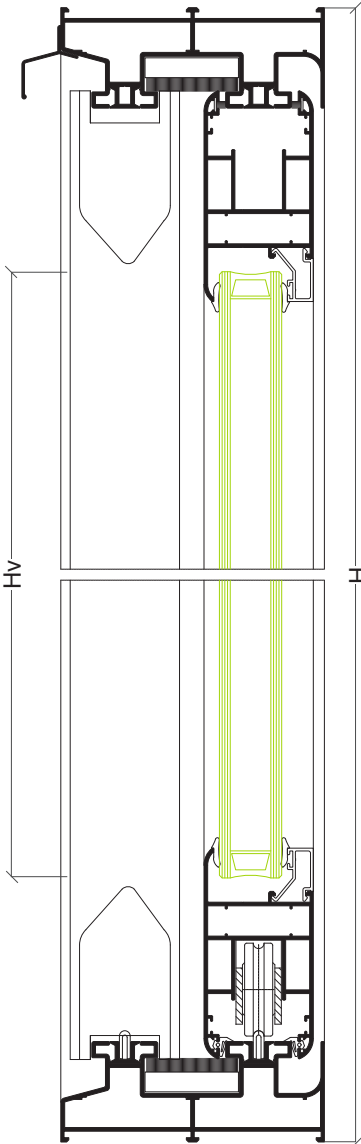
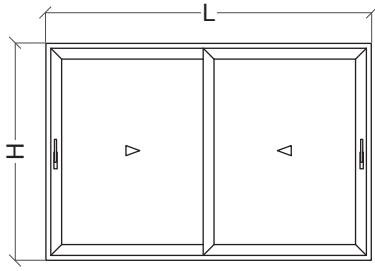
**33 10 01 50**  
Cunho CK

Referência	Desenho	Descrição
30 95 00 30		Pelúcia 7x7 mm
30 95 00 50		Pelúcia 7x6 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 93 01 20		Junta central
30 94 50 90		Junta aro móvel para o perfil CK-02

Kits correr-eleváveis (pelo máximo por folha 300kg)							
Largura LM	Altura HM	Cor	Referência	Cor	Referência	Cor	Referência
720/1500	1190/1790	Branco	30 94 51 06	Preto	30 94 51 07	Natural	30 94 51 08
720/1500	1791/2090	Branco	30 94 51 11	Preto	30 94 51 12	Natural	30 94 51 13
720/1500	2091/2390	Branco	30 94 51 16	Preto	30 94 51 17	Natural	30 94 51 18
720/1500	2391/2690	Branco	30 94 51 21	Preto	30 94 51 22	Natural	30 94 51 23
1501/2000	1190/1790	Branco	30 94 51 26	Preto	30 94 51 27	Natural	30 94 51 28
1501/2000	1791/2090	Branco	30 94 51 31	Preto	30 94 51 32	Natural	30 94 51 33
1501/2000	2091/2390	Branco	30 94 51 36	Preto	30 94 51 37	Natural	30 94 51 38
1501/2000	2391/2690	Branco	30 94 51 41	Preto	30 94 51 42	Natural	30 94 51 43
2011/2500	1190/1790	Branco	30 94 51 46	Preto	30 94 51 47	Natural	30 94 51 48
2011/2500	1791/2090	Branco	30 94 51 51	Preto	30 94 51 52	Natural	30 94 51 53
2011/2500	2091/2390	Branco	30 94 51 56	Preto	30 94 51 57	Natural	30 94 51 58
2011/2500	2391/2690	Branco	30 94 51 61	Preto	30 94 51 62	Natural	30 94 51 63
2501/3350	1190/1790	Branco	30 94 51 66	Preto	30 94 51 67	Natural	30 94 51 68
2501/3350	1791/2090	Branco	30 94 51 71	Preto	30 94 51 72	Natural	30 94 51 73
2501/3350	2091/2390	Branco	30 94 51 76	Preto	30 94 51 77	Natural	30 94 51 78
2501/3350	2391/2690	Branco	30 94 51 81	Preto	30 94 51 82	Natural	30 94 51 83

Kits multiponto						
Altura folha	Cor	Referência	Cor	Referência	Cor	Referência
1190/1790	Branco	30 94 53 06	Preto	30 94 53 07	Natural	30 94 53 08
1800/2090	Branco	30 94 53 11	Preto	30 94 53 12	Natural	30 94 53 13
2100/2390	Branco	30 94 53 16	Preto	30 94 53 17	Natural	30 94 53 18
2400/2690	Branco	30 94 53 21	Preto	30 94 53 22	Natural	30 94 53 23

## Porta 2 folhas correr elevável



### Perfis

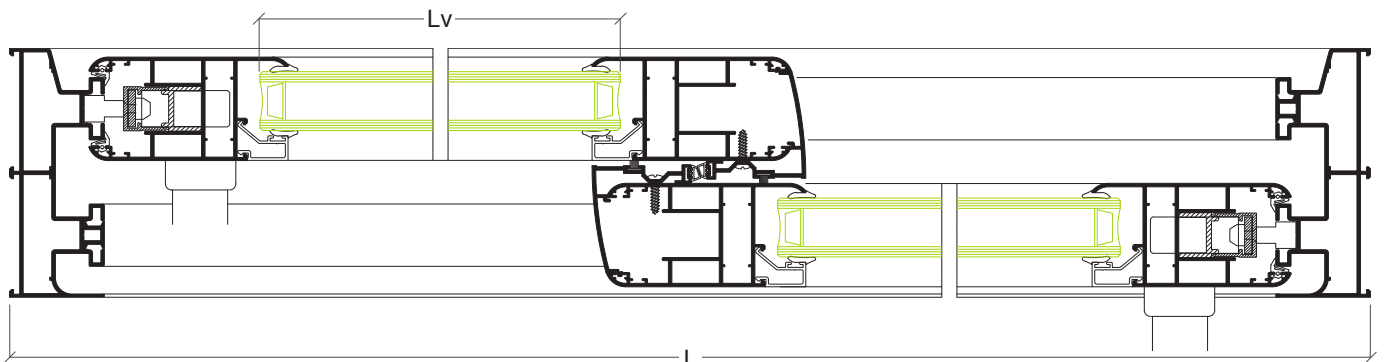
Desenho	Ref	Descrição	Corte	Quant	Medida
	CK-01	Aro fixo perimetral		2	L
				2	H
	CK-04	Adaptador guia		4	L/93 mm
				4	H-73 mm
	CTe-03	Guia aço inox		2	L-93 mm
	CK-02	Aro móvel perimetral		4	L/2+6 mm
				4	H-77 mm
	CK-06	Tampa cruzamento aro móvel		2	H-77 mm
	----	Bite		4	L/2-149 mm
				4	H-272 mm
	CT-07	Pingadeira superior		1	L

### Acessórios e Juntas

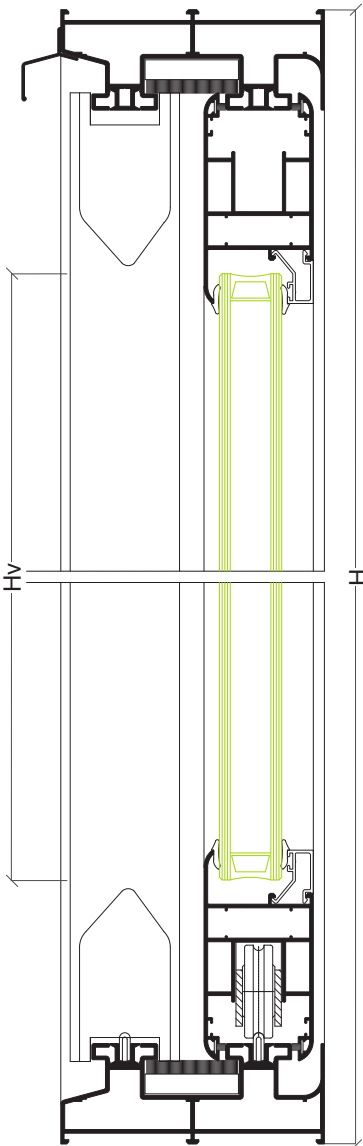
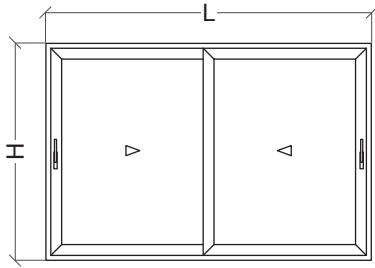
Referência	Descrição	Quantidade
----	Kit elevável	2
30 25 44 01	Esquadro aro móvel	8
30 94 50 10	Esquadro aro fixo	8
30 94 50 30	Tampa guia lateral	2
30 96 00 23	Esquadro alinhamento	16
30 94 50 41	Corta vento	2
30 92 01 02	Goteira com válvula (cor preto)	diversas
30 94 50 20	Limitador de abertura	1
30 91 20 60	Canal	4
30 94 51 95	Kit suplementar (folha com 301kg-400kg)	2 (opcional)
30 94 50 50	Prolongador (Hf -> 2790 mm-3225 mm)	2 (opcional)
30 94 50 90	Junta vedação	2L/4H
30 93 01 20	Junta para cruzamento	2H
30 95 00 30	Pelúcia 7x7 mm	2L
30 95 00 50	Pelúcia 7x6 mm	2H
----	Junta para vidro (exterior)	2L/4H
----	Junta para vidro (interior)	2L/4H

### Vidro

Hv = H-246 mm	Lv = L/2-163 mm
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## Porta 2 folhas correr multiponto



### Perfis

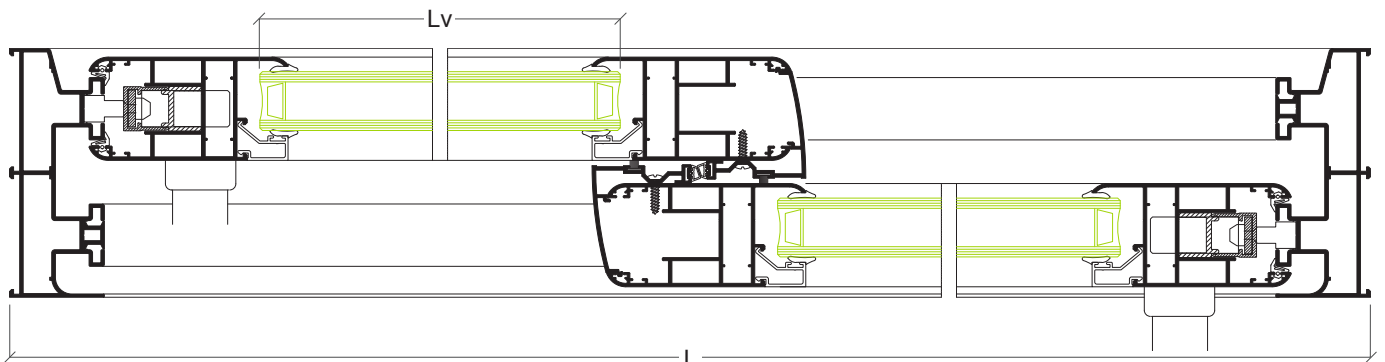
Desenho	Ref	Descrição	Corte	Quant	Medida
	CK-01	Aro fixo perimetral		2	L
				2	H
	CK-04	Adaptador guia		4	L/93 mm
				4	H-73 mm
	CTe-03	Guia aço inox		2	L-93 mm
	CK-02	Aro móvel perimetral		4	L/2+6 mm
				4	H-77 mm
	CK-06	Tampa cruzamento aro móvel		2	H-77 mm
	----	Bite		4	L/2-149 mm
				4	H-272 mm
	CT-07	Pingadeira superior		1	L

### Acessórios e Juntas

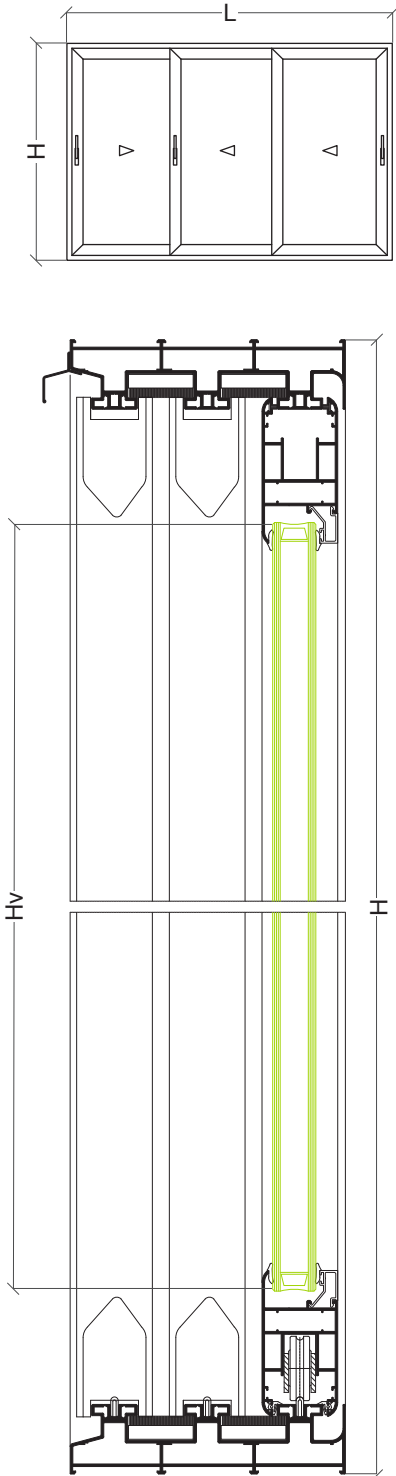
Referência	Descrição	Quantidade
----	Kit multiponto	2
30 25 44 01	Esquadro aro móvel	8
30 94 50 10	Esquadro aro fixo	8
30 94 50 30	Tampa guia lateral	2
30 96 00 23	Esquadro alinhamento	16
30 94 50 41	Corta vento superior	2
30 92 01 02	Goteira com válvula (cor preto)	diversas
30 94 50 20	Limitador de abertura	1
30 91 20 60	Canal	4
30 94 50 70	Jogo rolamento	2
30 94 50 90	Junta vedação	4H
30 93 01 20	Junta para cruzamento	2H
30 95 00 30	Pelúcia 7x7 mm	4L
30 95 00 50	Pelúcia 7x6 mm	2H
----	Junta para vidro (exterior)	4H
----	Junta para vidro (interior)	4H

### Vidro

Hv = H-246 mm	Lv = L/2-163 mm
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## Porta 3 folhas correr elevável tri-rail



### Perfis

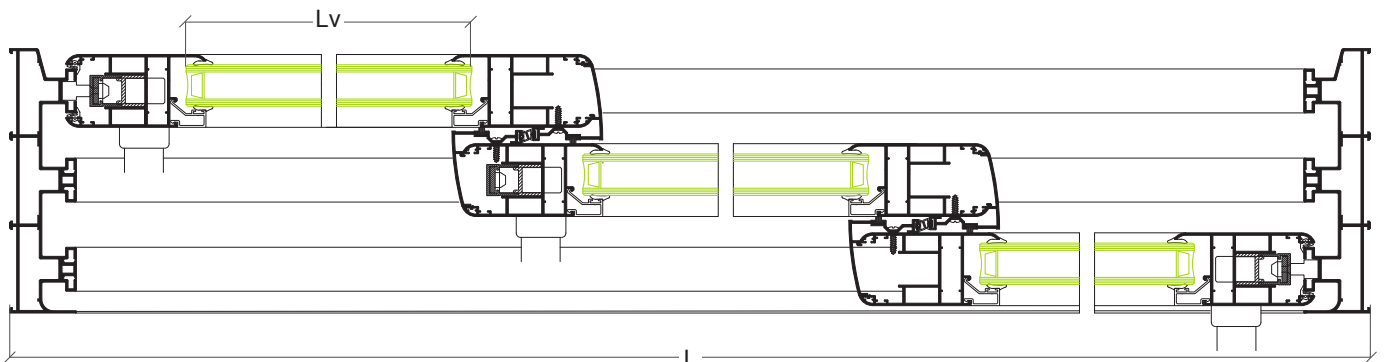
Desenho	Ref	Descrição	Corte	Quant	Medida
	CK-05	Aro fixo perimetral		2	L
				2	H
	CK-04	Adaptador guia		6	L/93 mm
				6	H-73 mm
	CTe-03	Guia aço inox		3	L-93 mm
	CK-02	Aro móvel perimetral		6	L/3+35 mm
				6	H-77 mm
	CK-06	Tampa cruzamento aro móvel		4	H-77 mm
	----	Bite		6	L/3-120 mm
				6	H-272 mm
	CT-07	Pingadeira superior		1	L

### Acessórios e Juntas

Referência	Descrição	Quantidade
----	Kit elevável	3
30 25 44 01	Esquadro aro móvel	12
30 94 50 10	Esquadro aro fixo	12
30 94 50 30	Tampa guia lateral	4
30 96 00 23	Esquadro alinhamento	24
30 94 50 41	Corta vento	4
30 92 01 02	Goteira com válvula (cor preto)	diversas
30 94 50 20	Limitador de abertura	2
30 91 20 60	Canal	8
30 94 51 95	Kit suplementar (folha com 301kg-400kg)	3 (opcional)
30 94 50 50	Prolongador (Hf -> 2790 mm-3225 mm)	3 (opcional)
30 94 50 90	Junta vedação	2L/4H
30 93 01 20	Junta para cruzamento	4H
30 95 00 30	Pelúcia 7x7 mm	2L
30 95 00 50	Pelúcia 7x6 mm	4H
----	Junta para vidro (exterior)	2L/6H
----	Junta para vidro (interior)	2L/6H

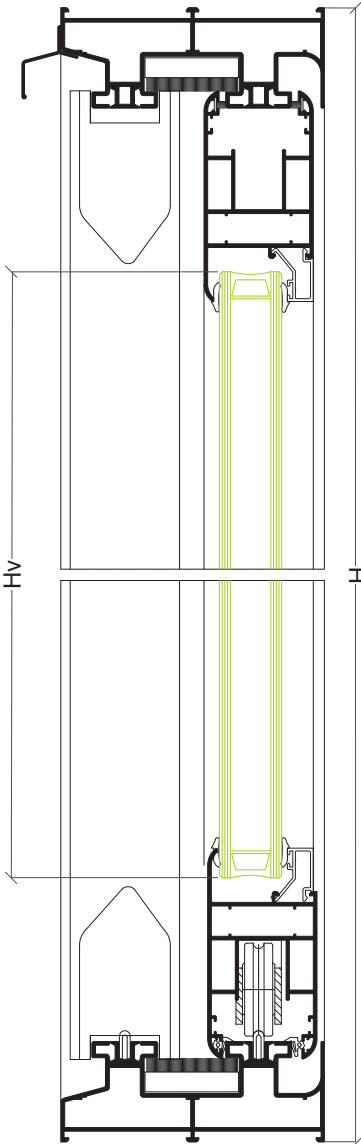
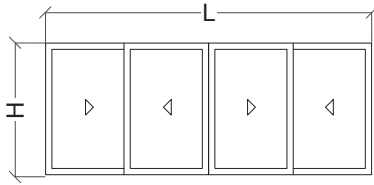
### Vidro

Hv = H-246 mm	Lv = L/3-135 mm
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## Porta 4 folhas correr elevável



### Perfis

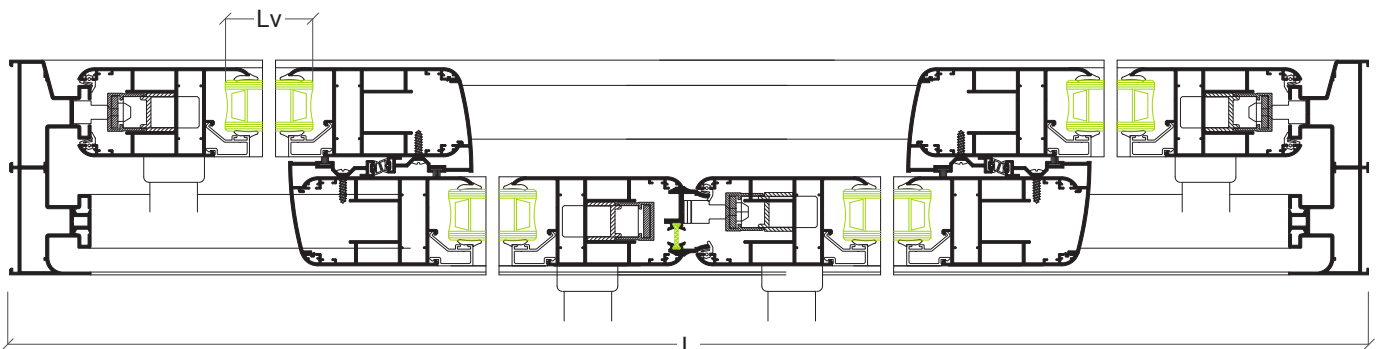
Desenho	Ref	Descrição	Corte	Quant	Medida
	CK-01	Aro fixo perimetral		2	L
				2	H
	CK-04	Adaptador guia		4	L/93 mm
				4	H-73 mm
	CTe-03	Guia aço inox		2	L-93 mm
	CK-02	Aro móvel perimetral		8	L/4+24 mm
				8	H-77 mm
	CTe-09	União 3/4 folhas		1	H-77 mm
	CK-06	Tampa cruzamento aro móvel		4	H-77 mm
	----	Bite		8	L/4-131 mm
				8	H-272 mm
	CT-07	Pingadeira superior		1	L

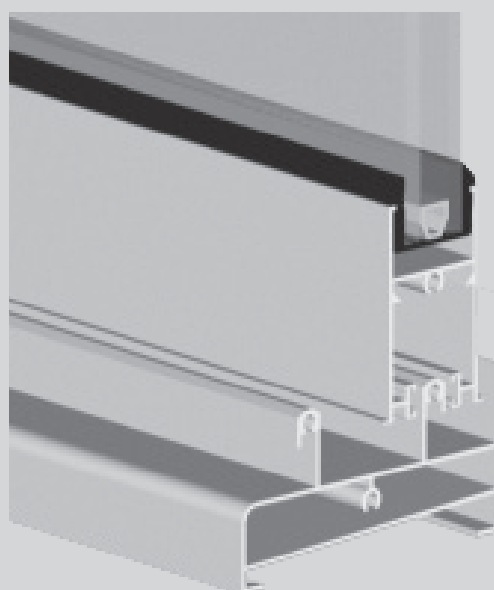
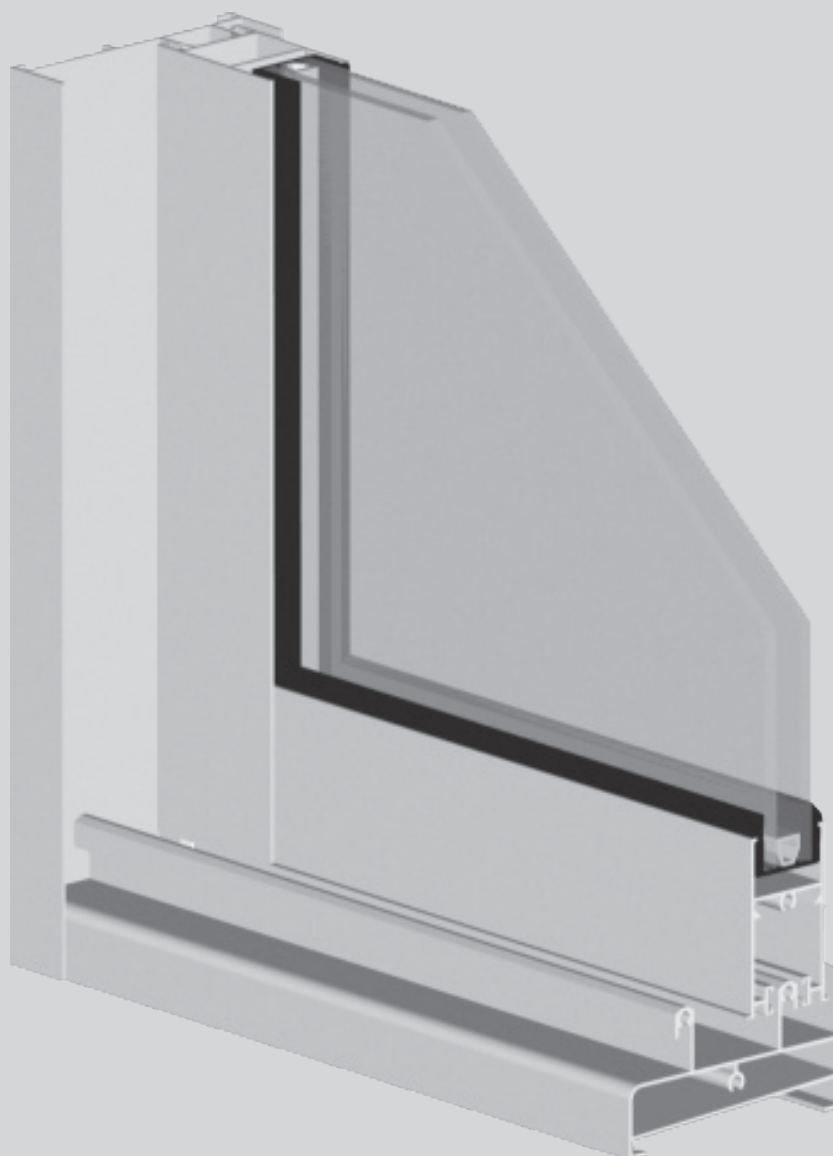
### Acessórios e Juntas

Referência	Descrição	Quantidade
----	Kit elevável	3
30 25 44 01	Esquadro aro móvel	16
30 94 50 10	Esquadro aro fixo	8
30 94 50 30	Tampa guia lateral	4
30 96 00 23	Esquadro alinhamento	32
30 94 50 41	Corta vento	6
30 92 01 02	Goteira com válvula (cor preto)	diversas
30 94 50 20	Limitador de abertura	2
30 91 20 60	Canal	8
30 94 50 70	Rolamento	4
30 94 50 90	Junta vedação	2L/6H
30 93 01 20	Junta para cruzamento	4H
30 95 00 30	Pelúcia 7x7 mm	2L
30 95 00 50	Pelúcia 7x6 mm	4H
----	Junta para vidro (exterior)	8H
----	Junta para vidro (interior)	8H

### Vidro

Hv = H-246 mm	Lv = L/4-145 mm
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**Sistema**

**CS**

## Sistema CS

Sistema de correr - 95 mm

### Características do sistema

Sistemas de alumínio tradicional e sistema euro para execução de vãos de correr.

### Perfis de alumínio

Os perfis de alumínio são extrudidos na liga de alumínio 6060 para arquitetura de acordo com norma NP EN 12020-02. Espessura média dos perfis de alumínio de 1.4 mm.

### Aros fixos

Secção do aro fixo de 1 guia de 47 mm para montagem a corte recto;  
Secção do aro fixo de 2 guias de 95 mm para montagem a corte recto;  
Secção do aro fixo de 3 guias de 135.5 mm para montagem a corte recto.

### Aros móveis

Secção dos aros móveis de 34.6 mm para montagem a corte recto;  
Enchimento de 4 mm a 23 mm;  
Estanquidade assegurada através de pelúcia tipo Fin-Seal.

### Dimensionamento e manobralidade

Peso máximo de 90 kg por folha (com 2 rolamentos duplos);  
Possibilidades de abertura: 1, 2, 3, 4 e 6 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 CS tipologia janela:

1. Permeabilidade ao ar: Classe 3 (norma de ensaio EN 1026)
2. Estanquidade à água: Classe 6A (norma de ensaio EN 1027)
3. Resistência ao vento: Classe C4 (norma de ensaio EN 12211)

Categorias alcançadas na avaliação do sistema CS tipologia porta:

1. Permeabilidade ao ar: Classe 3 (norma de ensaio EN 1026)
2. Estanquidade à água: Classe 6A (norma de ensaio EN 1027)
3. Resistência ao vento: Classe C2 (norma de ensaio EN 12211)

Coefficiente de transmissão térmica de vão de 2 folhas com 1.80 m x 2.20 m com vidro  $U_g = 1.4 \text{ W/m}^2\text{K}$ :

•  $U_w = 2.60 \text{ W/m}^2\text{K}$

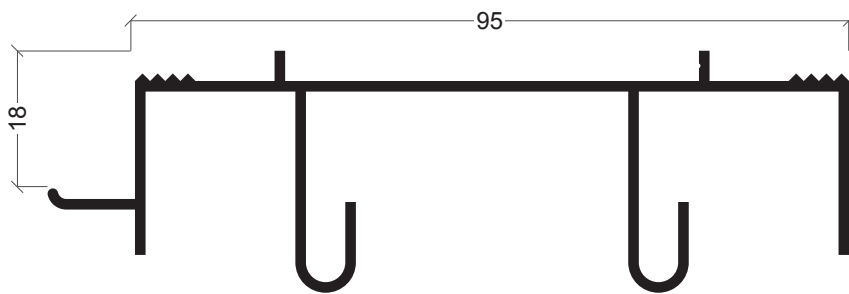
Coefficiente de atenuação acústica de vão de 2 folhas com vidro 4/10/4:

•  $R_w (C; C_{tr}) = 29 \text{ dB} (-1; -2)$

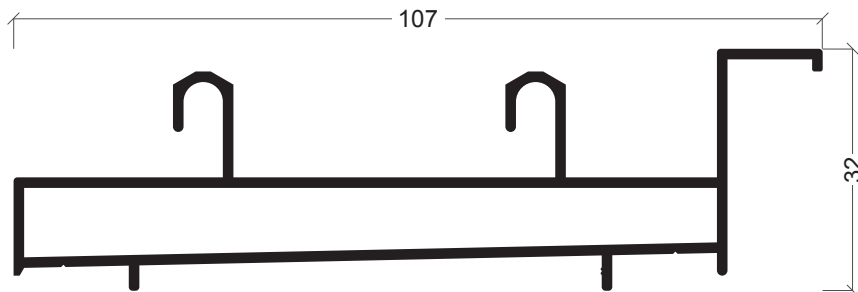
Zonas de aplicação segundo RCCTE (em função do valor  $U_g$ ): I1, I2, I3, V1, V2, V3;



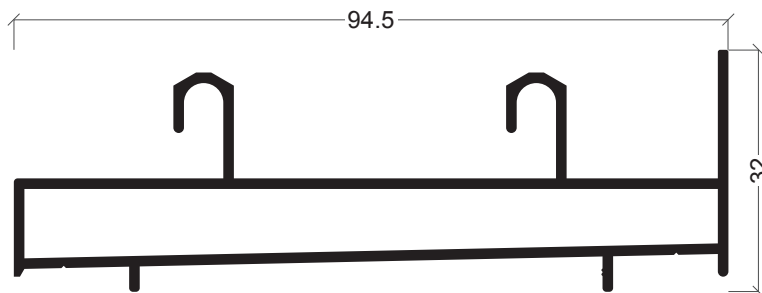
**CS-01**  
Padeira



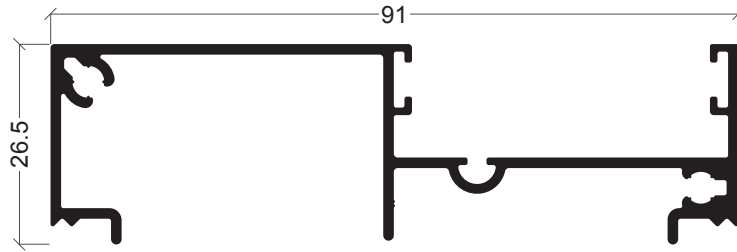
**CS-21**  
Padeira



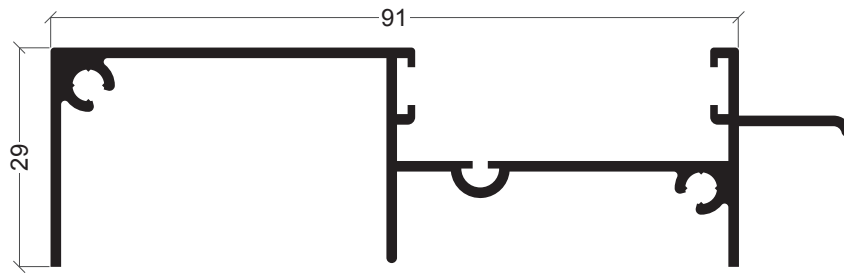
**CS-29**  
Soleira



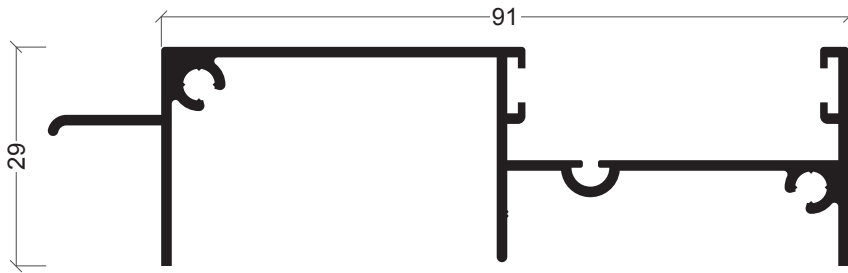
**CS-39**  
Soleira



**CS-04**  
Ombreira

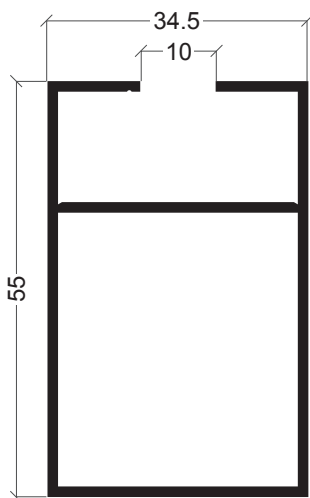


**CS-54**  
Ombreira

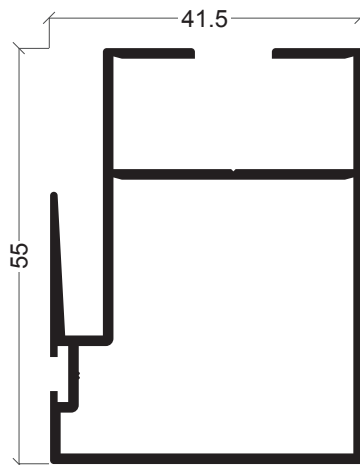


**CS-55**  
Ombreira

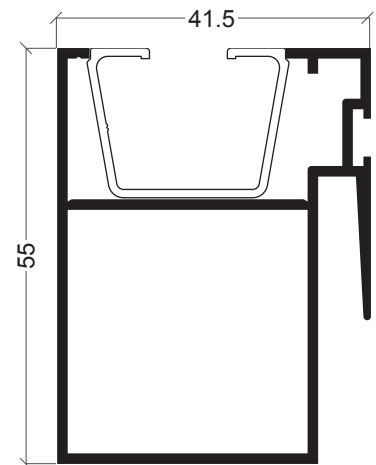
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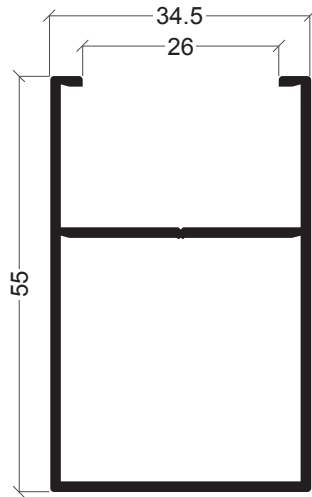
**CS-75**  
Aro móvel lateral



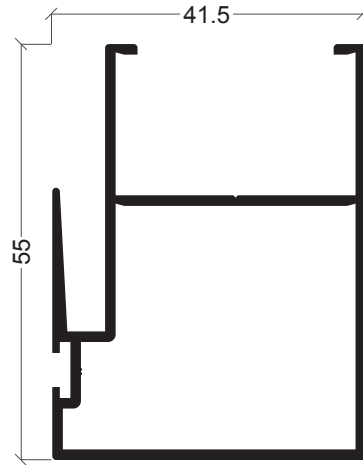
**CS-76**  
Aro móvel central



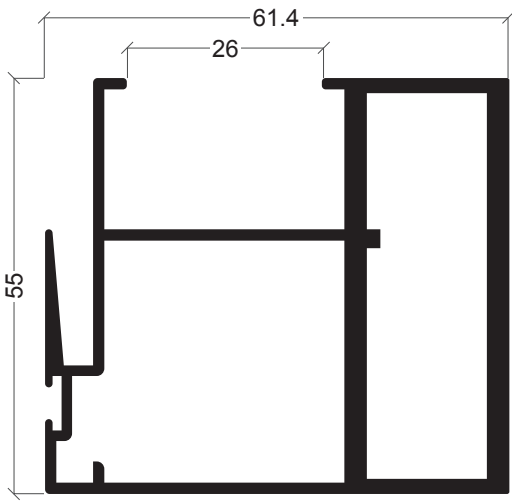
**CS-87**  
Aro móvel central 3F



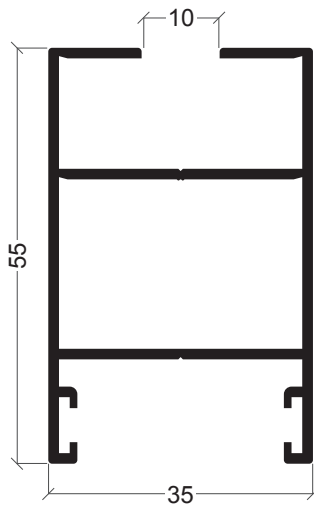
**CS-85**  
Aro móvel lateral



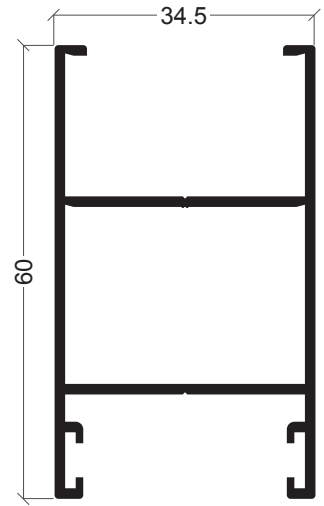
**CS-86**  
Aro móvel central



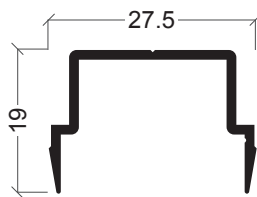
**CS-90**  
Aro móvel central



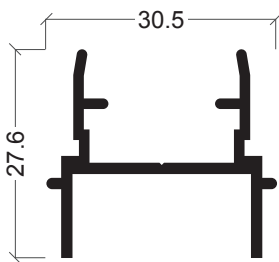
**CS-94**  
Aro móvel lateral



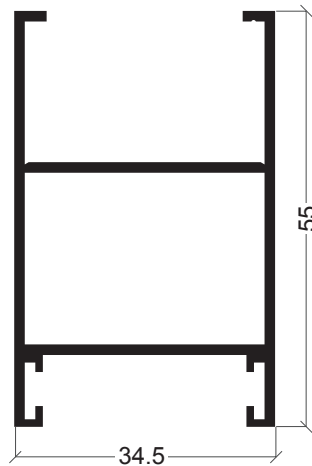
**CS-96**  
Aro móvel lateral



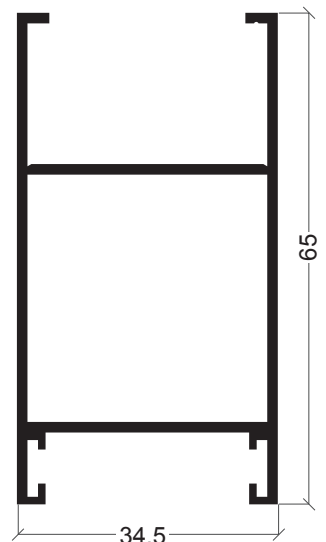
**CS-48**  
União 3/4F



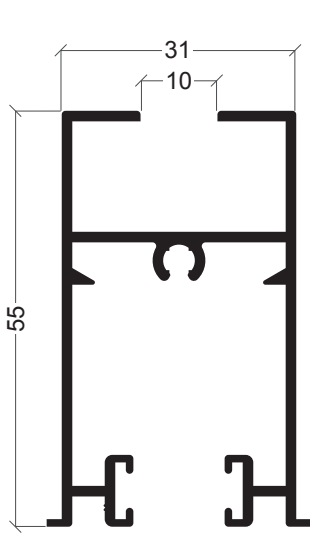
**CS-38**  
União 3/4F



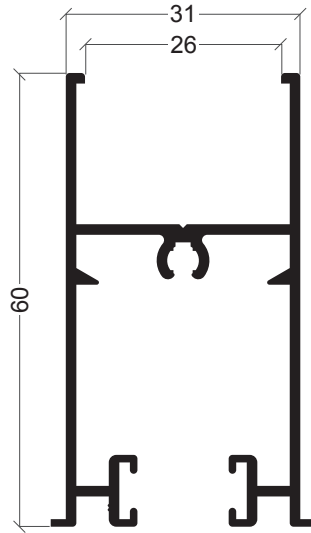
**CS-93**  
Aro móvel lateral



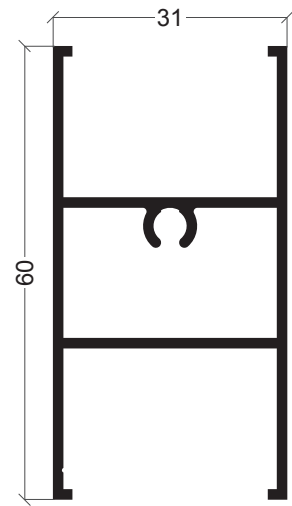
**CS-95**  
Aro móvel lateral



**CS-70**  
Aro móvel carrinho

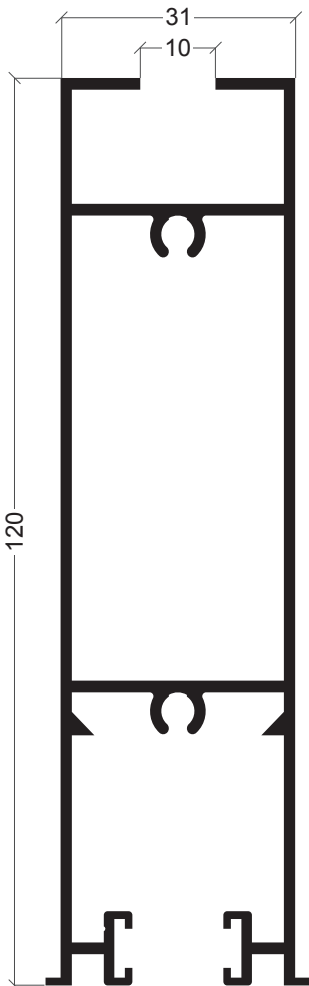


**CS-80**  
Aro móvel carrinho

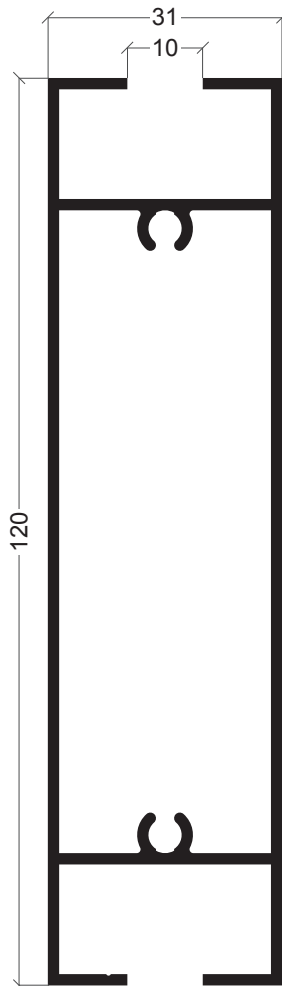


**CS-83**  
Travessa

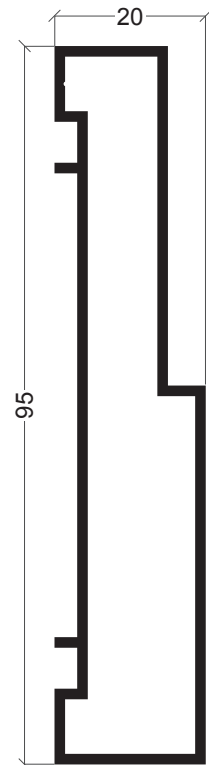
6



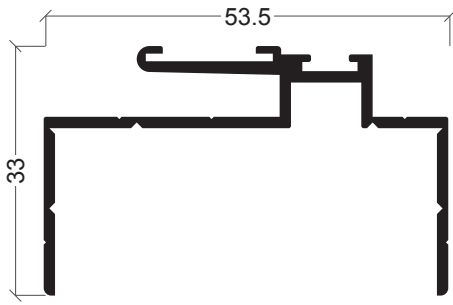
**CS-72**  
Aro móvel carrinho



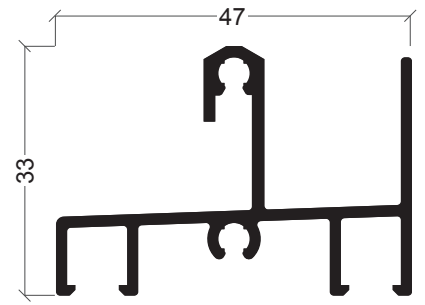
**CS-71**  
Travessa



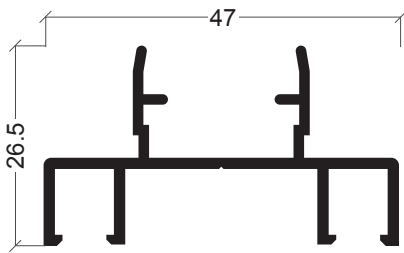
**CS-15**  
União de aros



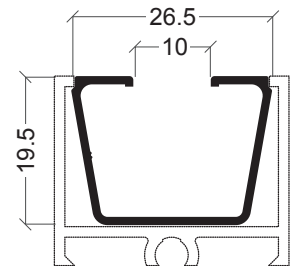
**CS-08**  
Central mono-rail



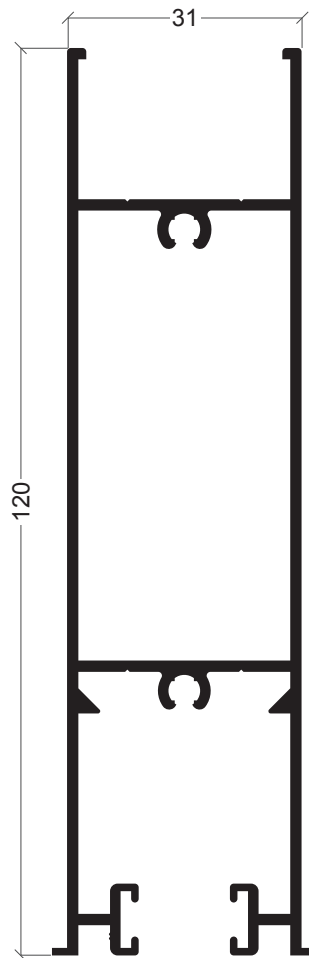
**CS-05**  
Aro fixo sup/inferior mono-rail



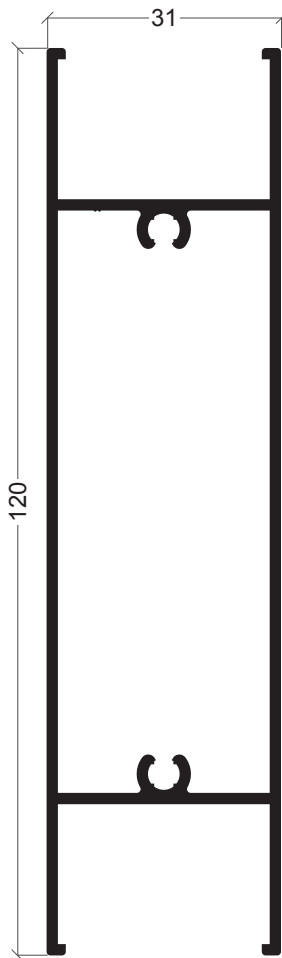
**CS-07**  
Ombreira mono-rail



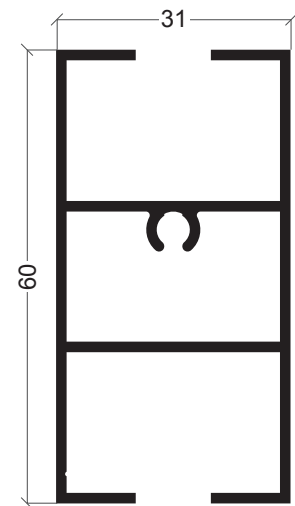
**CS-74**  
Redutor



**CS-82**  
Almofada carrinho

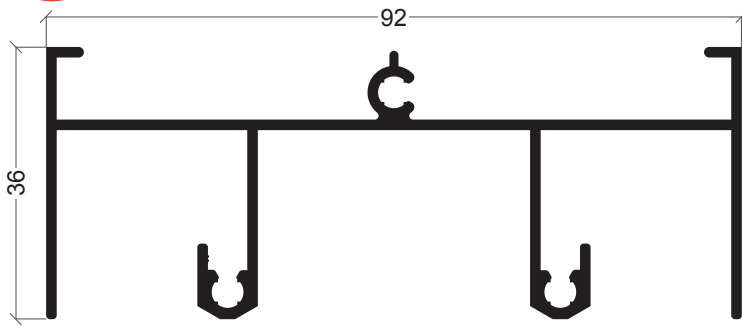


**CS-81**  
Travessa

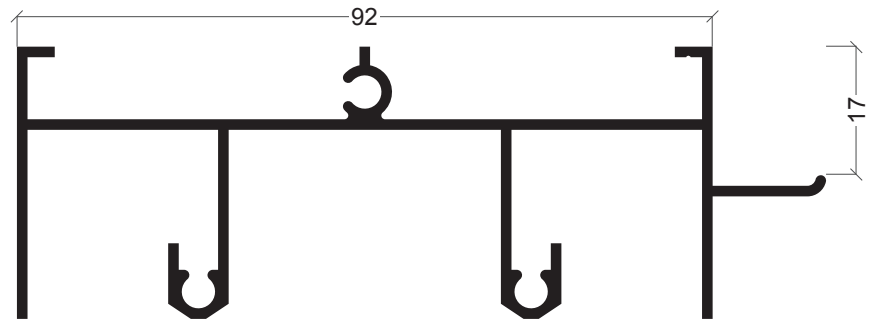


**CS-73**  
Travessa

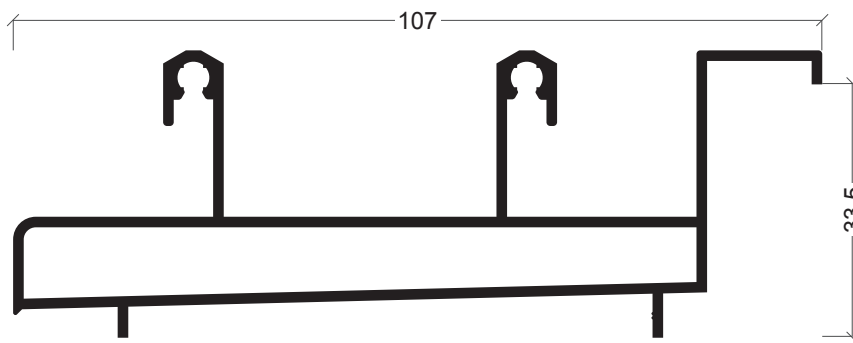




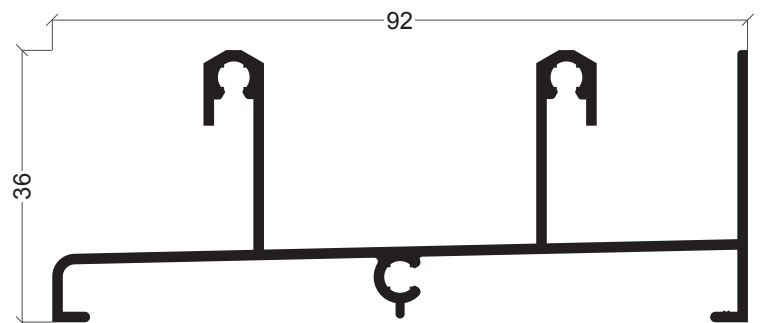
**CS-12**  
Padeira



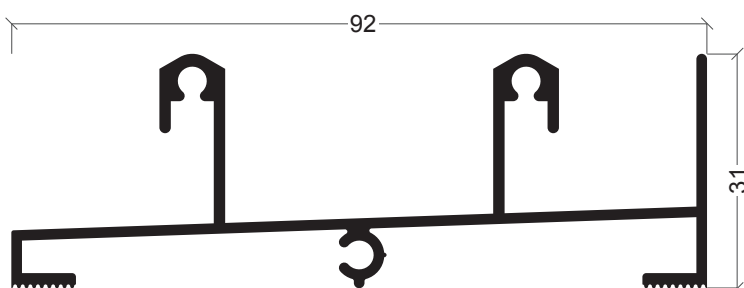
**CS-51**  
Padeira



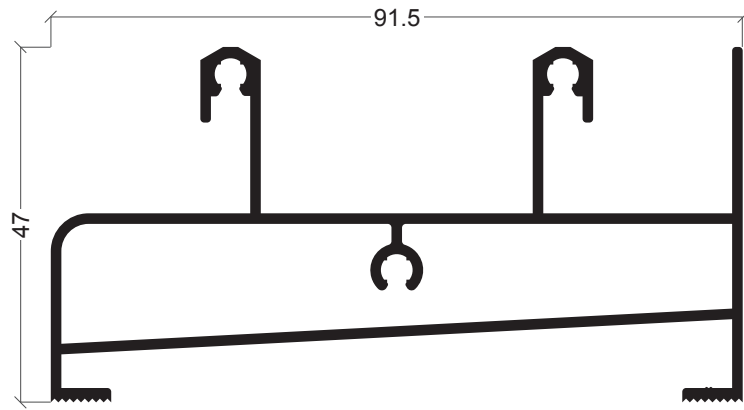
**CS-69**  
Soleira



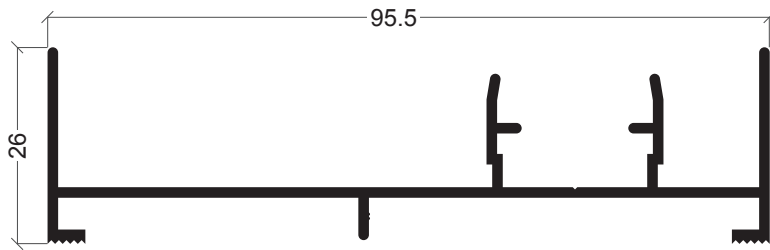
**CS-19**  
Soleira



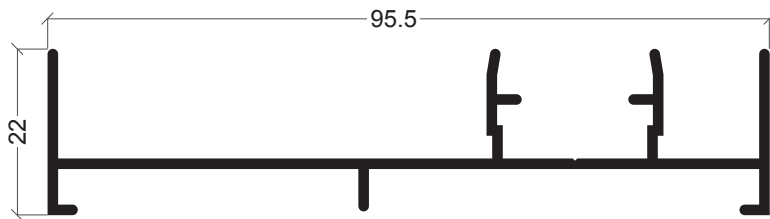
**CS-49**  
Soleira



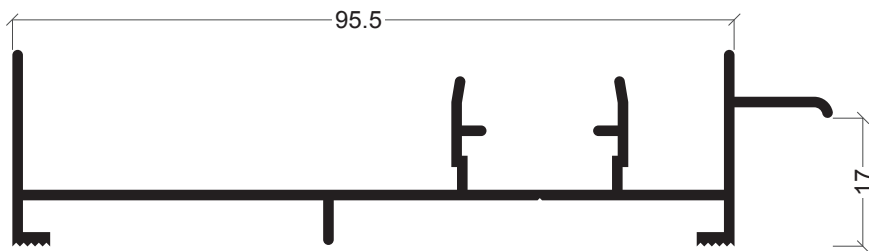
**CS-59**  
Soleira



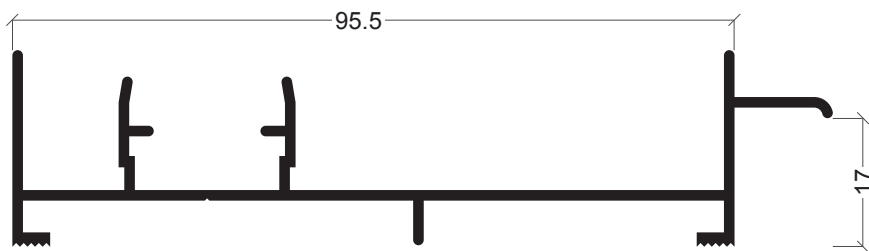
**CS-24**  
Ombreira



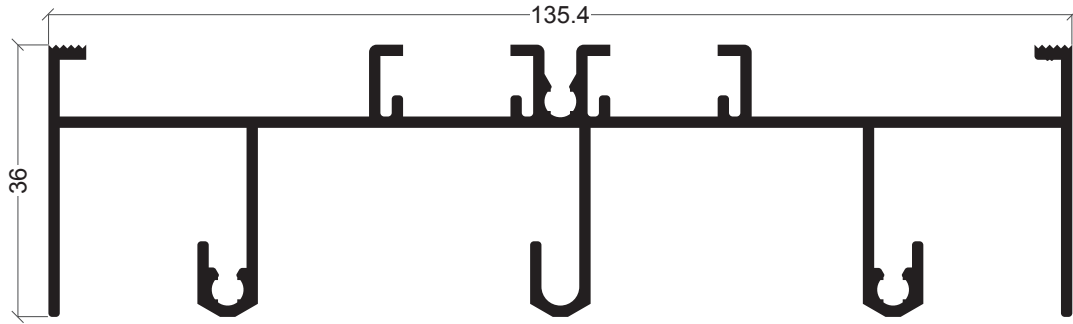
**CS-25**  
Ombreira



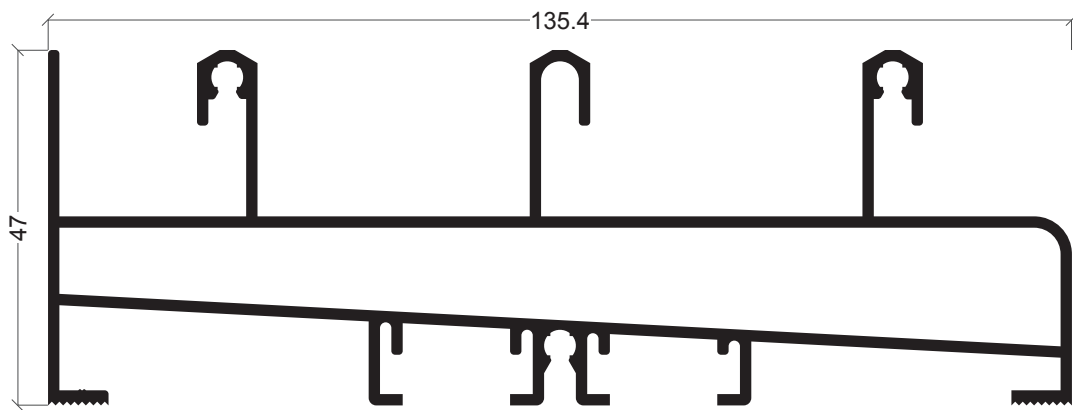
**CS-64**  
Ombreira



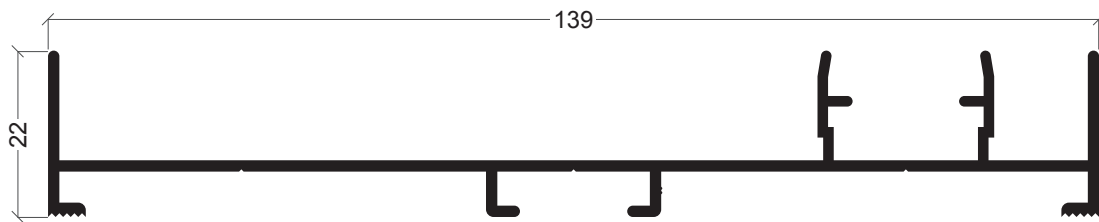
**CS-65**  
Ombreira



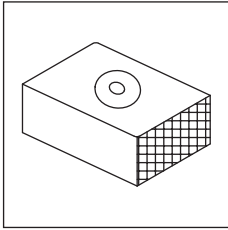
**CS-22**  
Padeira



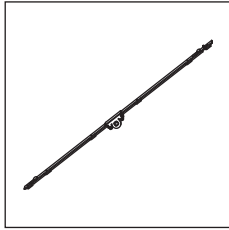
**CS-79**  
Soleira tri-rail



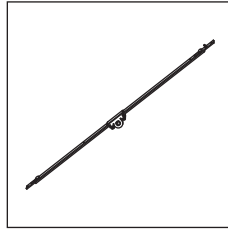
**CS-14**  
Ombreira tri-rail



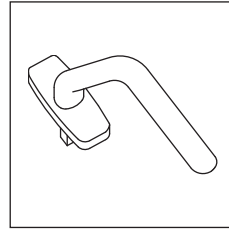
**30 91 41 10**  
taco anti-levantamento



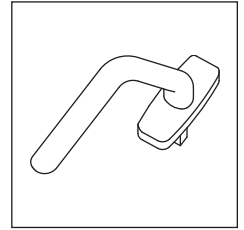
**30 91 41 31**  
Barra 2 pontos com apoios (600 mm)



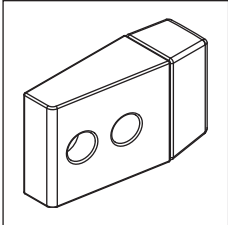
**30 91 41 32**  
Barra 3 pontos com apoios (1670 mm)



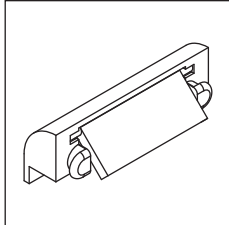
**30 91 41 52/53**  
Cremone desviado direita branco/preto



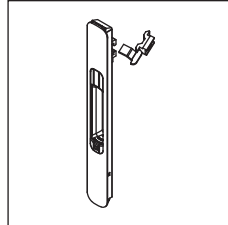
**30 91 41 54/55**  
Cremone desviado esquerda branco/preto



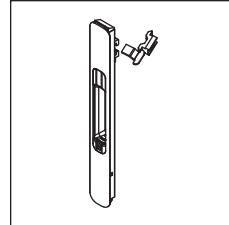
**30 91 41 71**  
Topo limitador de abertura



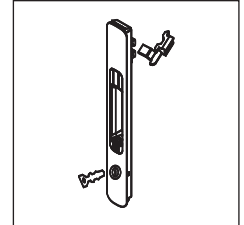
**30 92 01 02/03**  
Goteira com válvula branco/preto



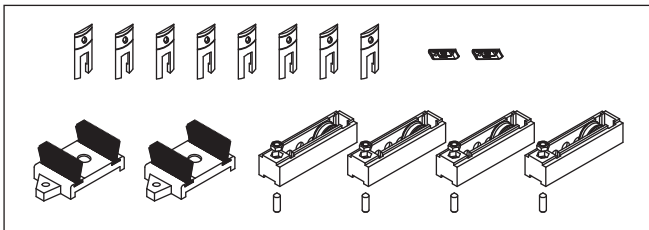
**30 97 10 01/02**  
Fecho lateral automático branco/preto



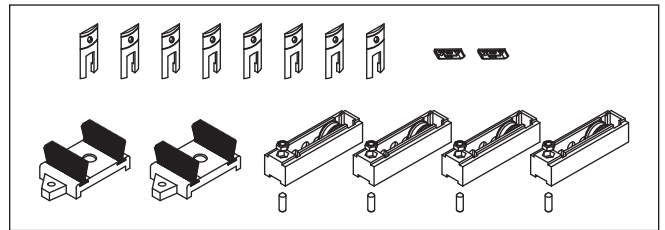
**30 97 10 03/04**  
Fecho lateral manual branco/preto



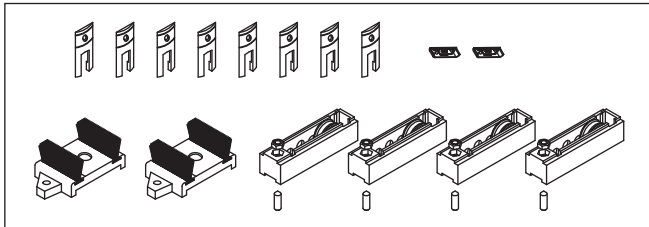
**30 97 10 05/06**  
Fecho lateral com chave branco/preto



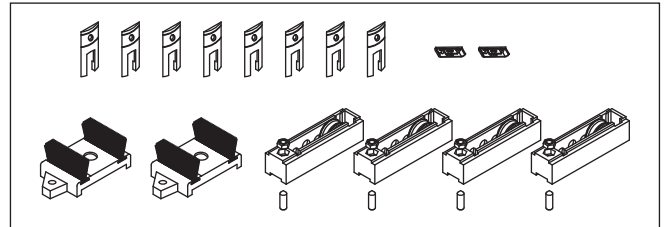
**30 97 10 09**  
Kit janela 2F CS normal



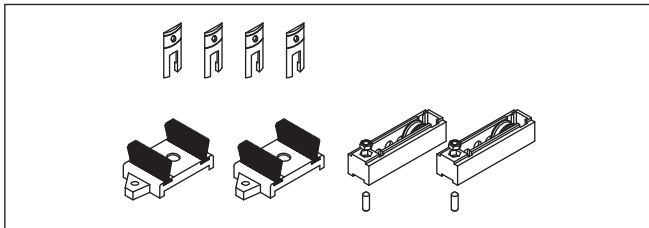
**30 97 10 10**  
Kit janela 2F CS euro



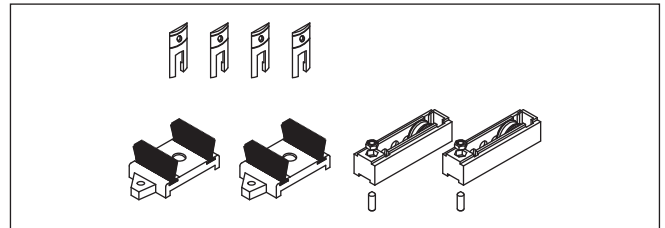
**30 97 10 11**  
Kit porta 2F CS normal



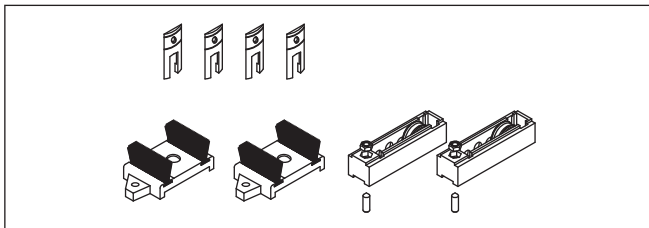
**30 97 10 12**  
Kit porta 2F CS euro



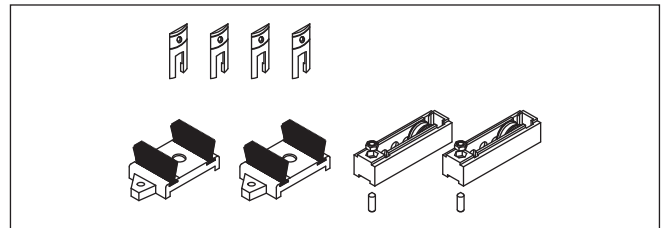
**30 97 10 15**  
Kit janela suplementar 3F CS normal



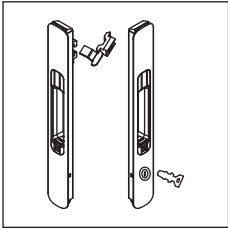
**30 97 10 16**  
Kit janela suplementar 3F CS euro

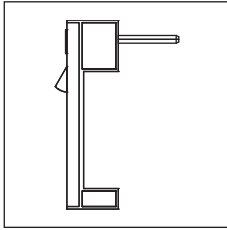


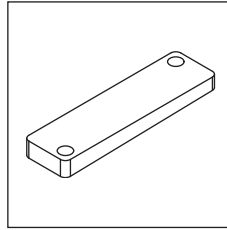
**30 97 10 17**  
Kit porta suplementar 3F F CS normal






**30 97 10 18**  
Kit porta suplementar 3F F CS euro


**30 97 10 07/08**

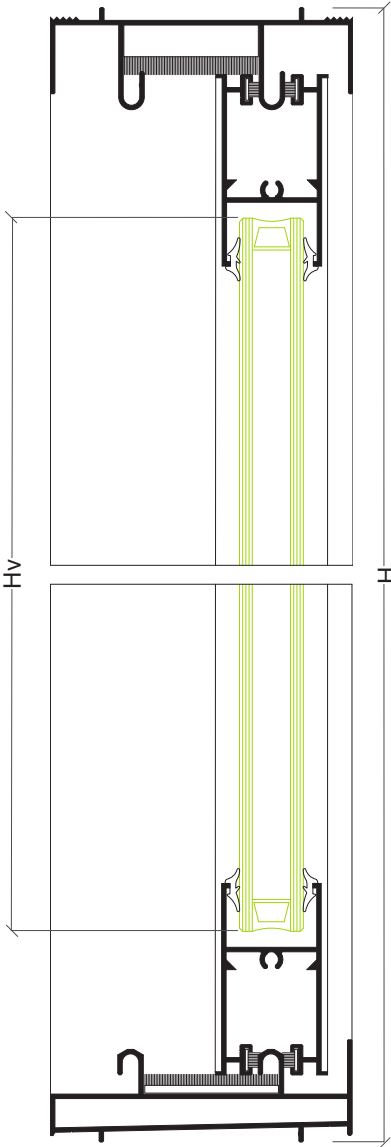
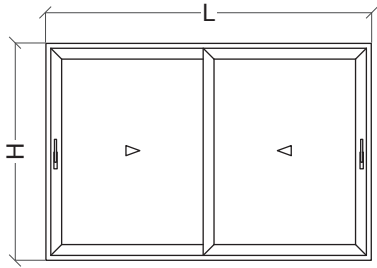
 Fecho lateral duplo com  
chave branco/preto

**30 97 10 13/14**

 Fecho central preto/  
branco

**30 97 10 19**

 Topo de vedação para  
soleiras CS-29/39

Referência	Desenho	Descrição
30 95 00 40		Pelúcia 7x5.5 mm
30 97 10 25		Junta U CS vidro 22 mm
30 97 10 26		Junta U CS vidro 20/21 mm
30 95 00 80		Pelúcia 7x5 mm

## Janela 2 folhas correr



### Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	CS-01	Padieira		1	L
	CS-39	Soleira		1	L
	CS-24	Ombreira		2	H-20 mm
	CS-80	Móvel carrinho		4	L/2+9 mm
	CS-85	Móvel lateral		2	H-44 mm
	CS-86	Móvel central		2	H-44 mm

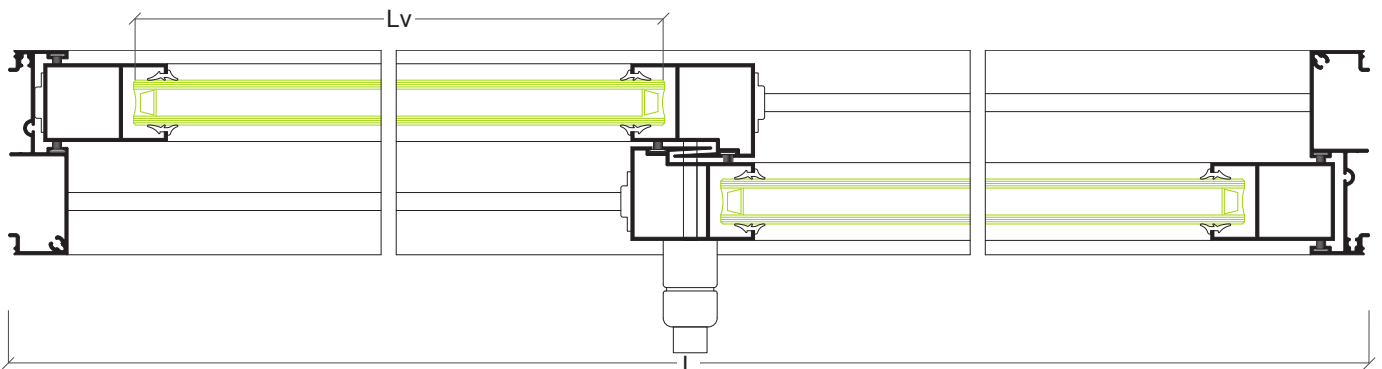
### Acessórios e Juntas

Referência	Descrição	Quantidade
30 97 10 14	Fecho central branco	1
30 97 10 09	Kit janela 2F CS normal	1
30 97 10 19	Topo para soleira	2
30 95 00 80	Pelúcia 7x5 mm	4L
30 95 00 40	Pelúcia 7x5.5 mm	6H
---	Junta de vidro	4L/8H

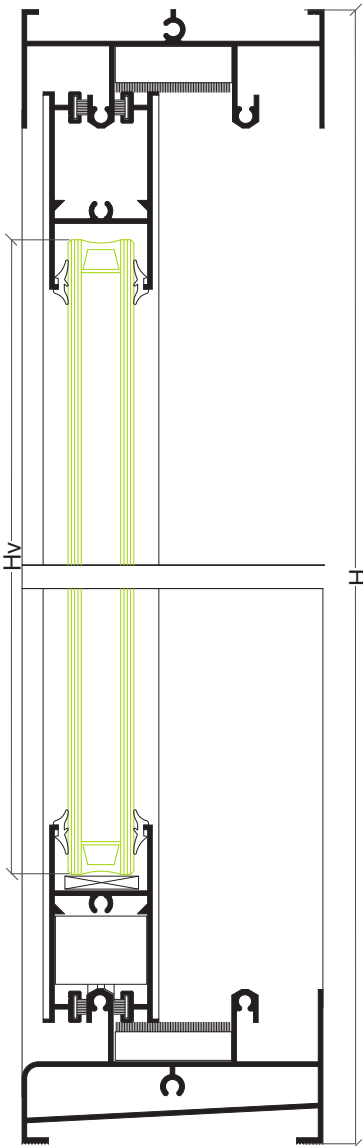
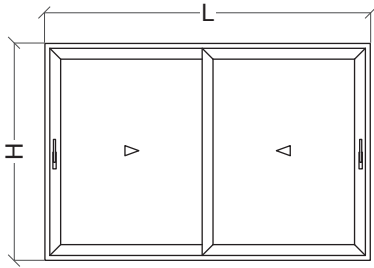
13

### Vidro

Hv = H-132 mm	Lv = L/2-68 mm
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## Janela 2 folhas correr



### Perfis

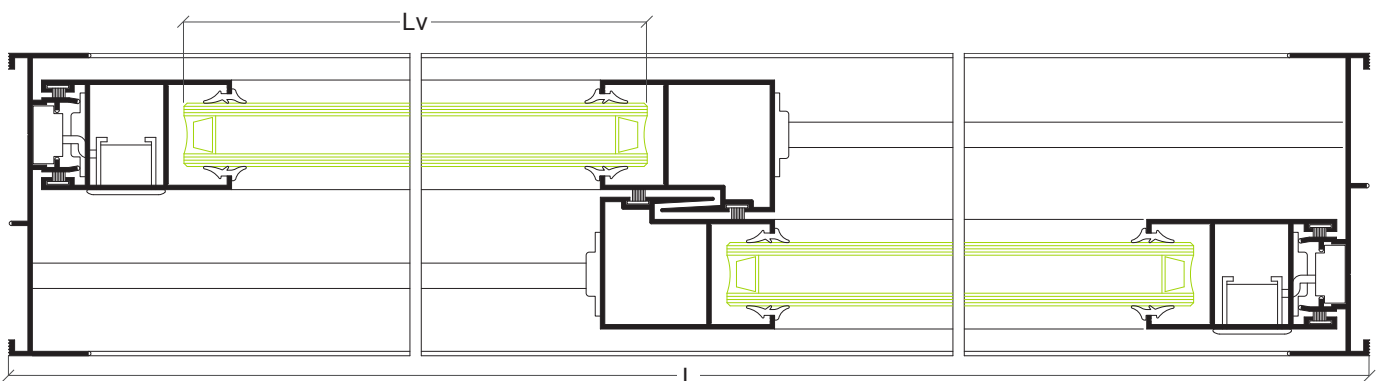
Desenho	Ref	Descrição	Corte	Quant	Medida
	CS-12	Padieira		1	L-15 mm
	CS-59	Soleira		1	L-15 mm
	CS-24	Ombreira		2	H
	CS-80	Móvel carrinho		4	L/2+0.5 mm
	CS-96	Móvel lateral		2	H-64 mm
	CS-86	Móvel central		2	H-64 mm

### Acessórios e Juntas

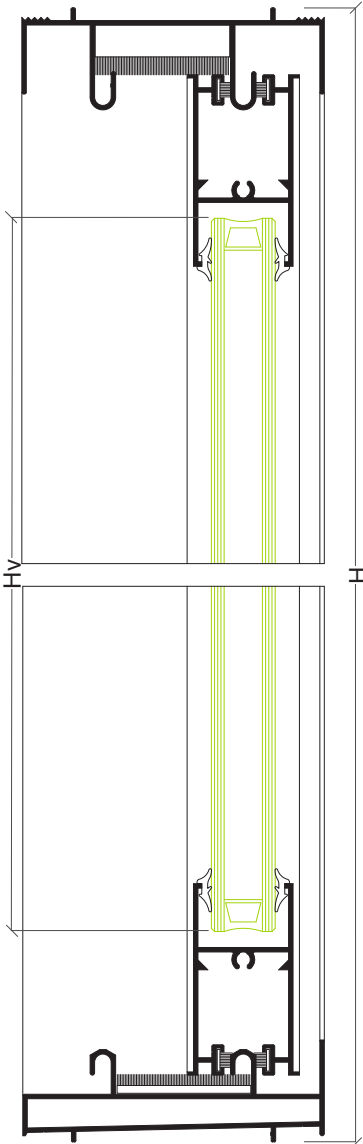
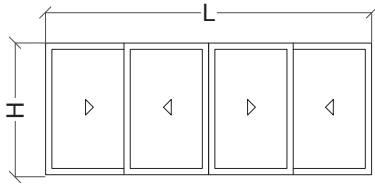
Referência	Descrição	Quantidade
30 97 10 01	Fecho lateral automático branco	2
30 97 10 10	Kit janela 2 folhas CS Euro	1
30 91 41 10	Taco anti-levantamento	2
30 95 00 80	Pelúcia 7x5 mm	4L/4H
30 95 00 40	Pelúcia 7x5.5 mm	2H
---	Junta de vidro	4L/8H

### Vidro

Hv = H-152 mm	Lv = L/2-68 mm
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## Janela 4 folhas correr



### Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	CS-01	Padieira		1	L
	CS-39	Soleira		1	L
	CS-04	Ombreira		2	H-20 mm
	CS-80	Móvel carrinho		8	L/4+9.5 mm
	CS-85	Móvel lateral		2	H-44 mm
	CS-86	Móvel central		4	H-44 mm
	CS-96	Móvel central		2	H-44 mm
	CS-38	União 3/4F		1	H-44 mm

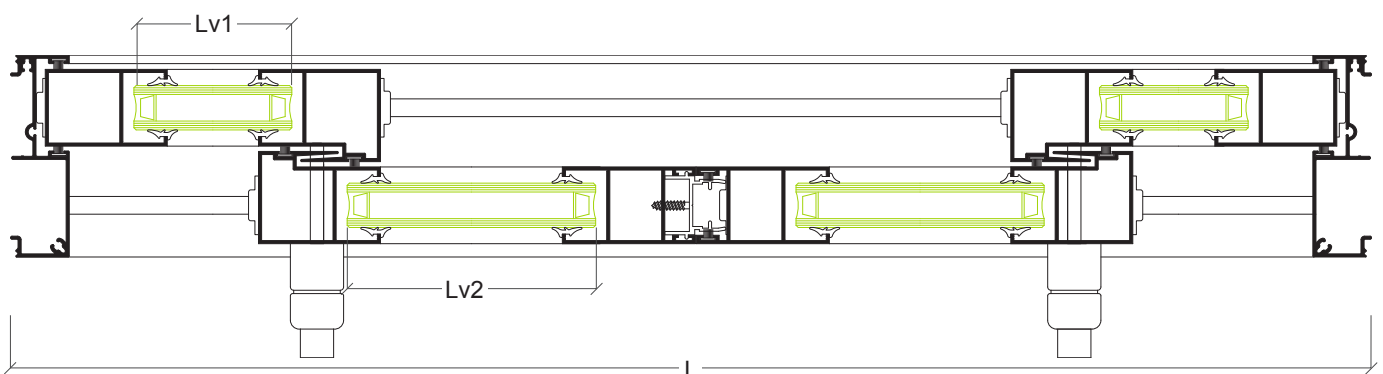
### Acessórios e Juntas

Referência	Descrição	Quantidade
30 97 10 14	Fecho central branco	2
30 97 10 09	Kit janela 2F CS normal	2
30 97 10 19	Topo para soleira	2
30 95 00 80	Pelúcia 7x5 mm	4L
30 95 00 40	Pelúcia 7x5.5 mm	10H
---	Junta de vidro	4L/16H

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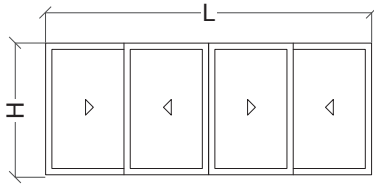
### Vidro

Hv = H-132 mm	Lv1 = L/4-68 mm
Hv = H-132 mm	Lv2 = L/4-59 mm



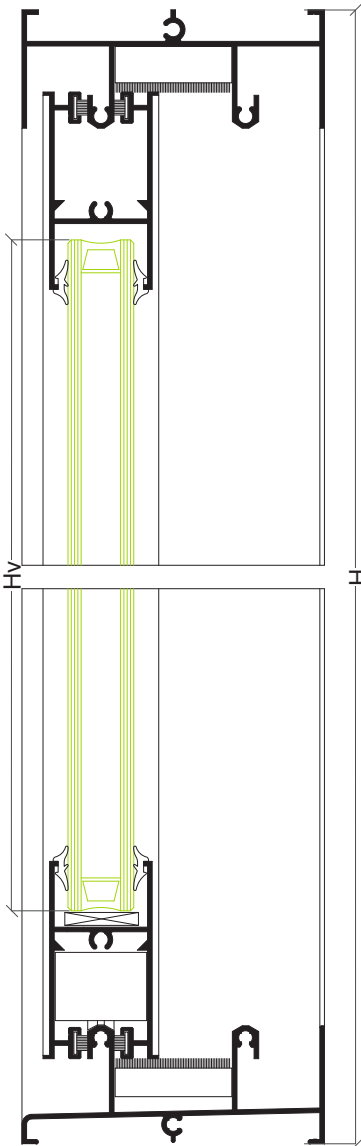


## Janela 4 folhas correr



### Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	CS-12	Padieira		1	L-15 mm
	CS-19	Soleira		1	L-15 mm
	CS-04	Ombreira		2	H
	CS-80	Móvel carrinho		4	L/4+5 mm
	CS-96	Móvel lateral		2	H-53 mm
	CS-86	Móvel central		2	H-53 mm
	CS-38	União 3/4F		1	H-53 mm



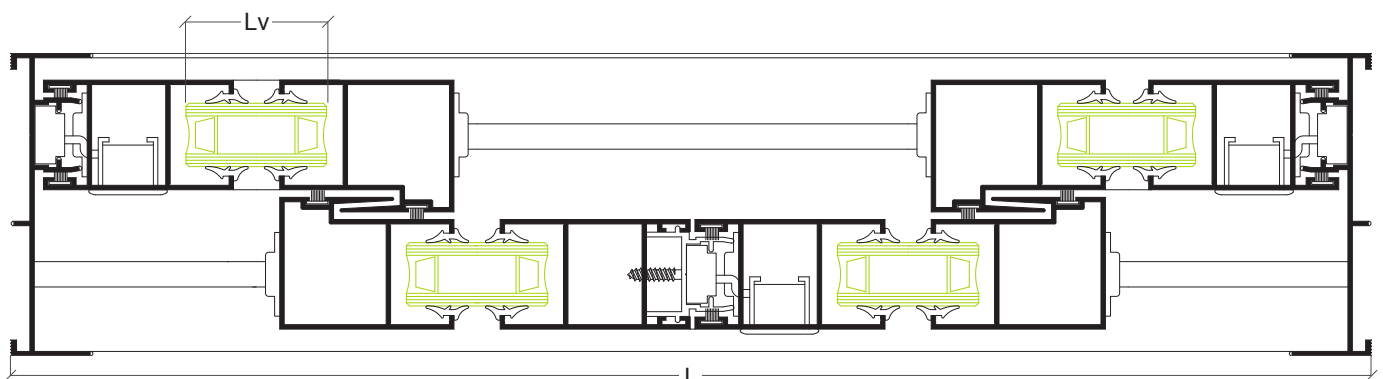
### Acessórios e Juntas

Referência	Descrição	Quantidade
30 97 10 01	Fecho lateral automático branco	3
30 97 10 10	Kit janela 2 folhas CS Euro	2
30 91 41 10	Taco anti-levantamento	3
30 95 00 80	Pelúcia 7x5 mm	4L/6H
30 95 00 40	Pelúcia 7x5.5 mm	4H
---	Junta de vidro	4L/16H

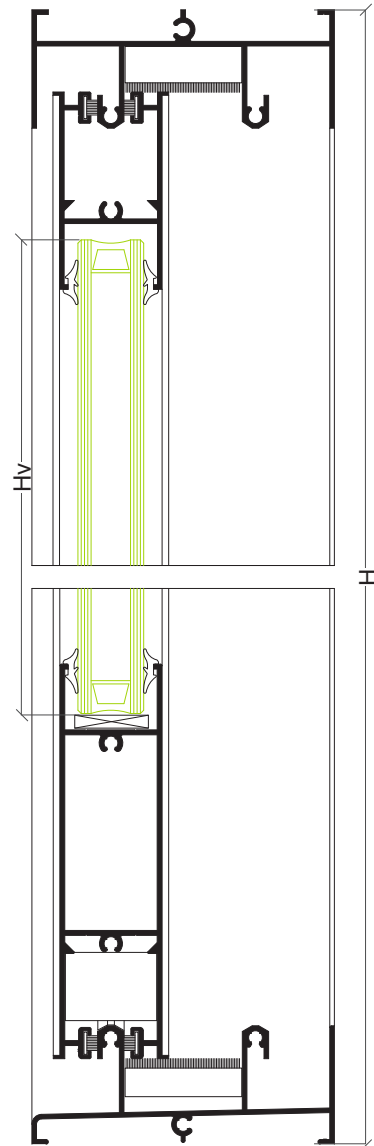
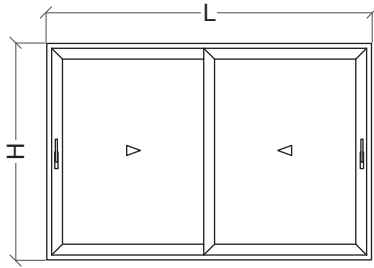
16

### Vidro

Hv = H-140 mm	Lv = L/4-63 mm
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## Porta 2 folhas correr multiponto



### Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	CS-12	Padieira		1	L-15 mm
	CS-19	Soleira		1	L-15 mm
	CS-25	Ombreira		2	H
	CS-80	Móvel carrinho		2	L/2-1.5 mm
	CS-82	Almofada		2	L/2-1.5 mm
	CS-96	Móvel lateral		2	H-53 mm
	CS-90	Móvel central		2	H-53 mm

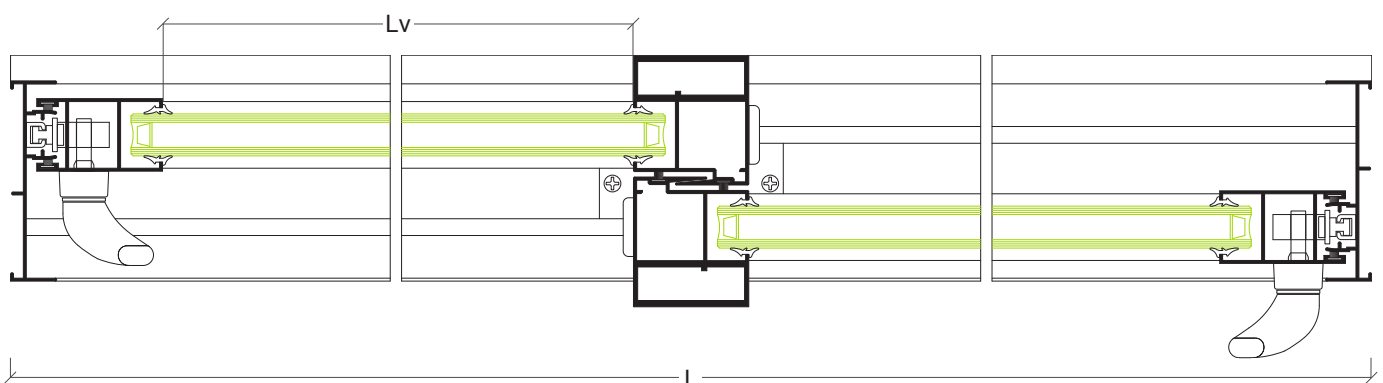
### Acessórios e Juntas

Referência	Descrição	Quantidade
30 91 41 32	Barra 3 pontos (1670 mm)	2
30 97 10 12	Kit porta 2 folhas CS Euro	1
30 91 41 71	Topo limitador	1
30 91 41 52	Cremona desviado direito branco	1
30 91 41 54	Cremona desviado esquerdo branco	1
30 95 00 80	Pelúcia 7x5 mm	4L/4H
30 95 00 40	Pelúcia 7x5.5 mm	2H
---	Junta de vidro	4L/8H

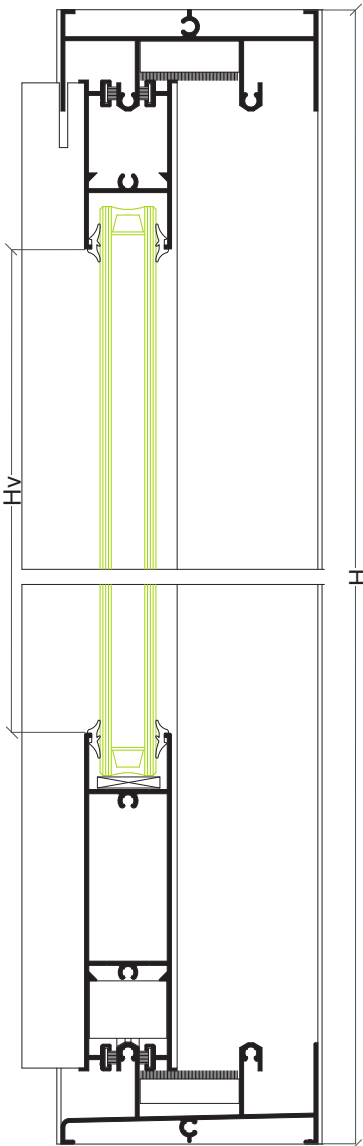
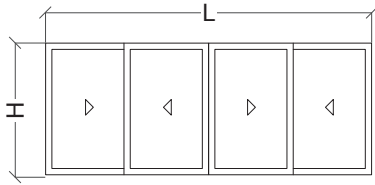
17

### Vidro

Hv = H-201 mm	Lv = L/2-70 mm
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## Porta 4 folhas correr multiponto



### Perfis

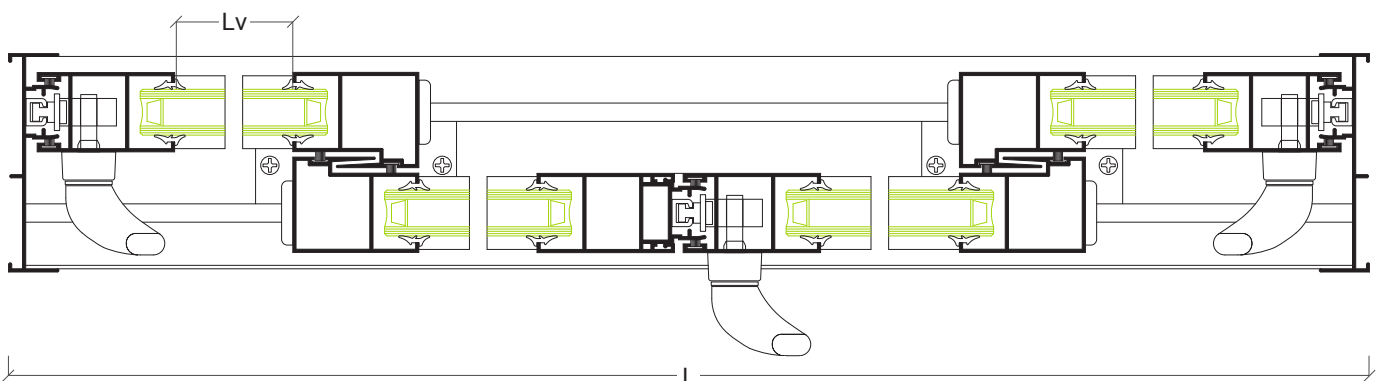
Desenho	Ref	Descrição	Corte	Quant	Medida
	CS-12	Padieira		1	L-15 mm
	CS-19	Soleira		1	L-15 mm
	CS-25	Ombreira		2	H
	CS-80	Móvel carrinho		2	L/2+4 mm
	CS-82	Almofada		2	L/2+4 mm
	CS-96	Móvel lateral		2	H-53 mm
	CS-86	Móvel central		2	H-53 mm
	CS-38	União 3/4F		1	H-44 mm

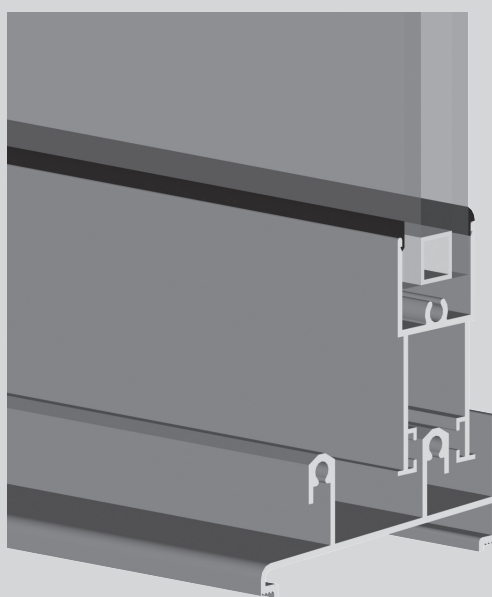
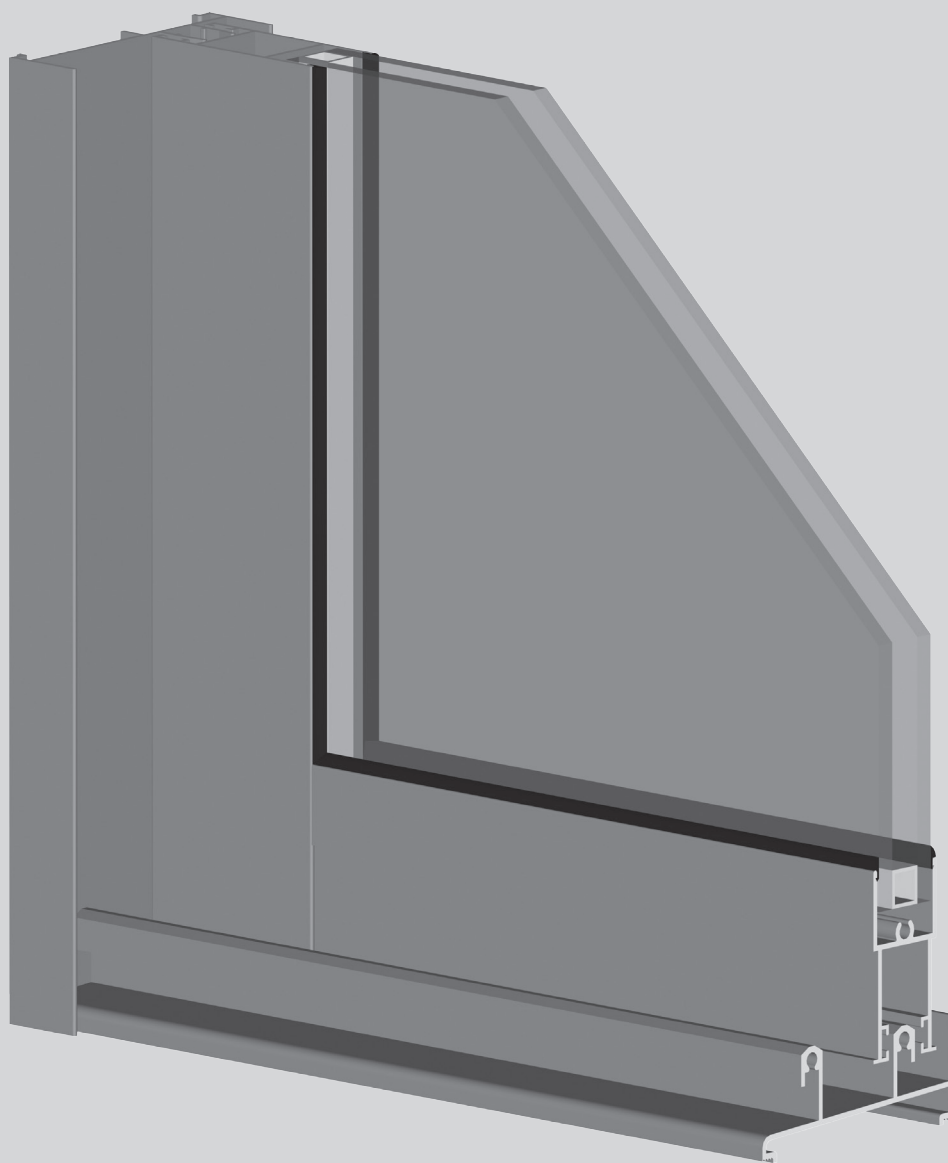
### Acessórios e Juntas

Referência	Descrição	Quantidade
30 91 41 32	Barra 3 pontos (1670 mm)	3
30 97 10 12	Kit porta 2 folhas CS Euro	2
30 91 41 71	Topo limitador	2
30 91 41 52	Cremone desviado direito branco	2
30 91 41 54	Cremone desviado esquerdo branco	1
30 95 00 80	Pelúcia 7x5 mm	4L/6H
30 95 00 40	Pelúcia 7x5.5 mm	4H
---	Junta de vidro	4L/16H

### Vidro

Hv = H-201 mm	Lv = L/4-65 mm
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**Sistema**

**SR**

## Sistema SR

Sistema de correr - 70 mm

### Características do sistema

Sistema de alumínio tradicional e sistema Euro para execução de vãos de correr.

### Perfis de alumínio

Os perfis de alumínio são extrudidos na liga de alumínio 6060 para arquitetura de acordo com norma NP EN 12020-02. Espessura média dos perfis de alumínio de 1.4 mm.

### Aros fixos

Secção do aro fixo de 2 guias de 72 mm para montagem a corte recto;  
Secção do aro fixo de 3 guias de 106.5 mm para montagem a corte recto.

### Aros móveis

Secção dos aros móveis de 23.5 mm para montagem a corte recto.  
Enchimento de 4 mm a 16 mm;

### Dimensionamento e manobralidade

Possibilidades de abertura: 1, 2, 3, 4 e 6 folhas, com folhas móveis e/ou fixas;

### 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 SR:

1. Permeabilidade ao ar: Classe 3 (norma de ensaio EN 1026)
2. Estanquidade à água: Classe 6A (norma de ensaio EN 1027)
3. Resistência ao vento: Classe C2 (norma de ensaio EN 12211)

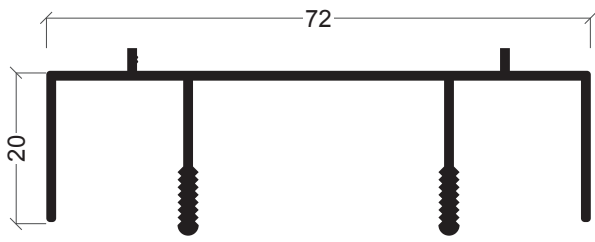
Coefficiente de transmissão térmica de vão de 2 folhas com 1.60 m x 2.00 m com vidro  $U_g = 2.1 \text{ W/m}^2\text{K}$ :

•  $U_w = 3.33 \text{ W/m}^2\text{K}$

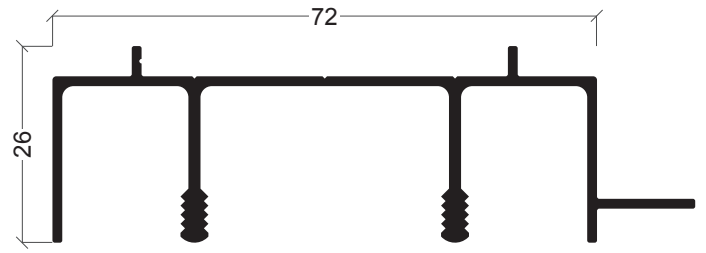
Coefficiente de atenuação acústica de vão de 2 folhas com vidro 4/8/4:

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

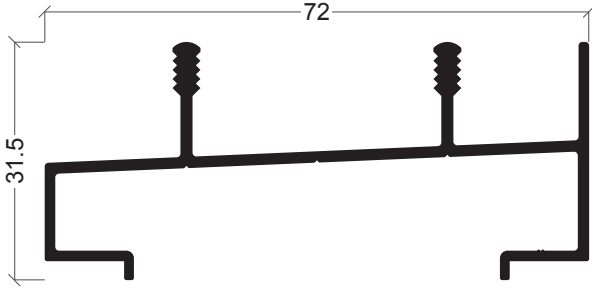
Zonas de aplicação segundo RCCTE (em função do valor  $U_g$ ): I1, I2, I3, V1, V2, V3;



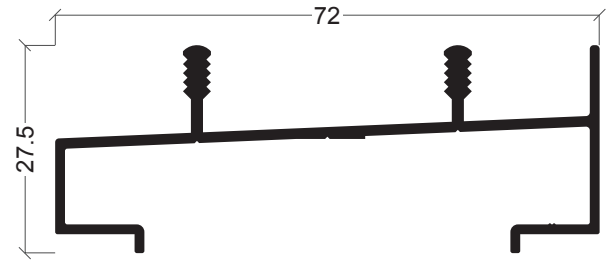
**SR-01**  
Padieira



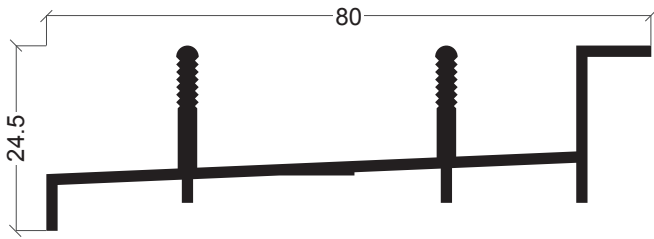
**SR-31**  
Padieira



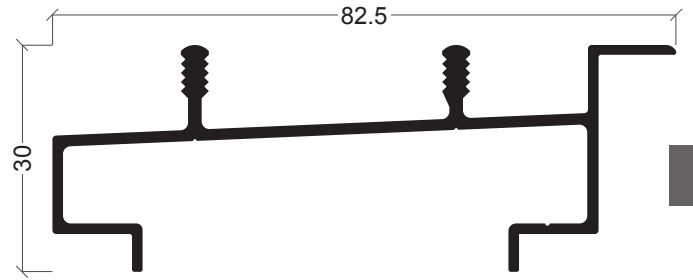
**SR-16**  
Soleira



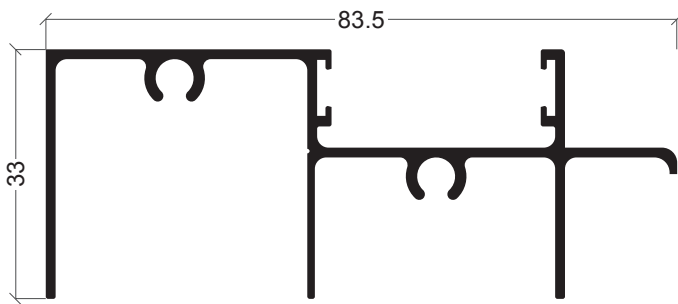
**SR-16A**  
Soleira



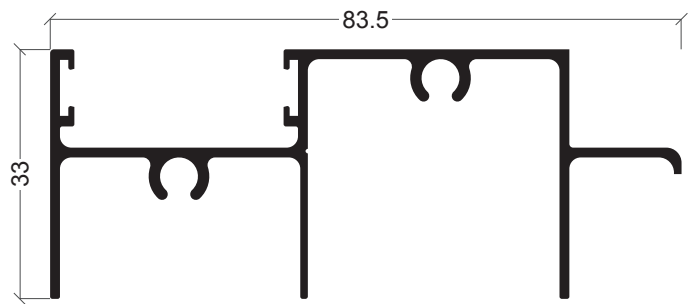
**SR-02**  
Soleira



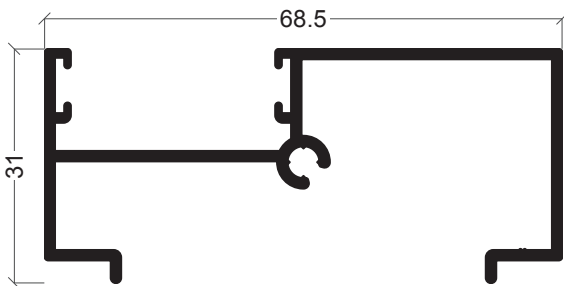
**SR-26**  
Soleira



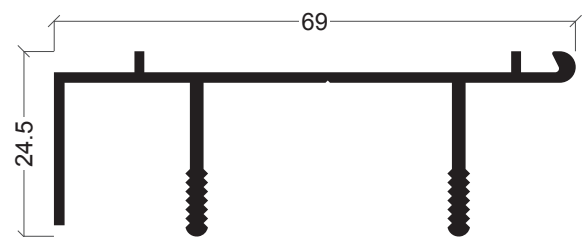
**SR-34**  
Ombreira



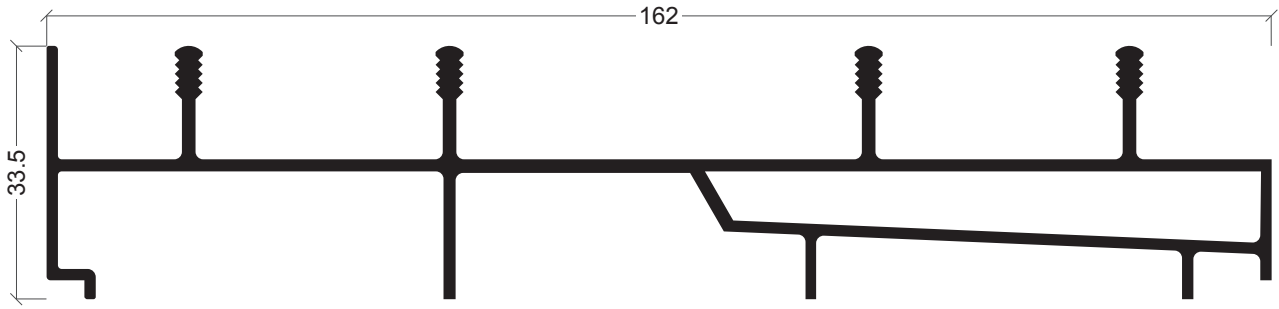
**SR-44**  
Ombreira



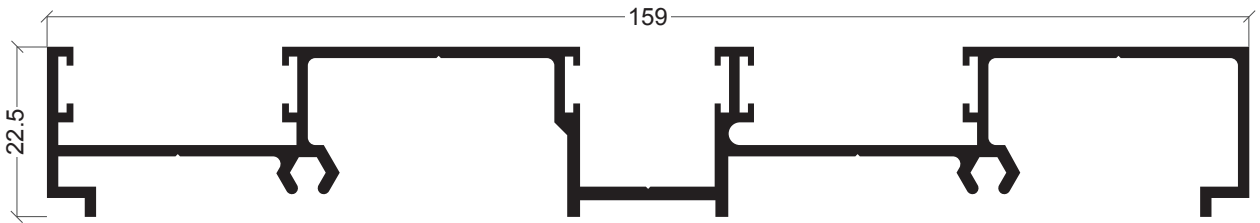
**SR-04**  
Ombreira



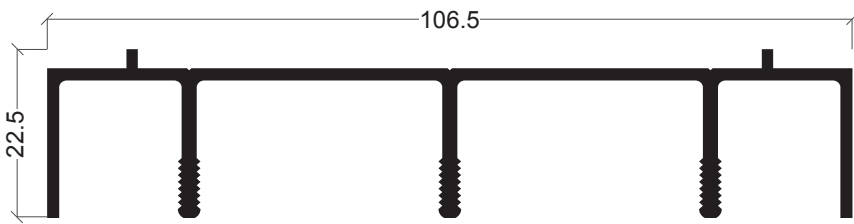
**SR-51**  
Padieira janela dupla



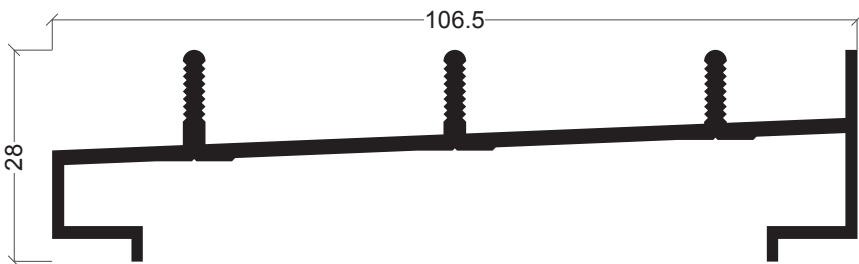
**SR-56**  
Soleira janela dupla



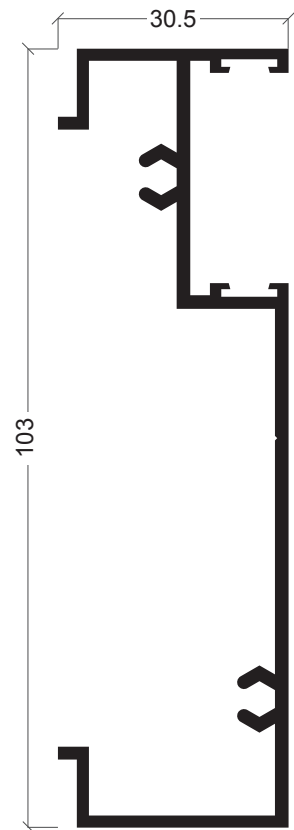
**SR-54**  
Ombreira janela dupla



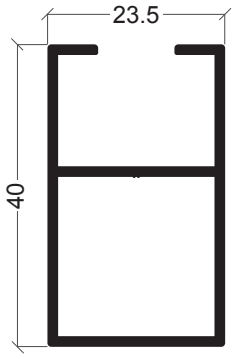
**SR-81**  
Padeira tri-rail



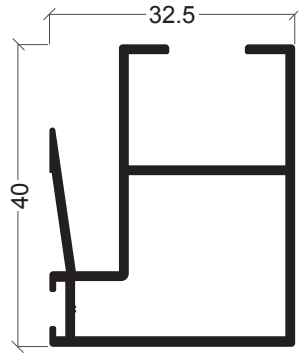
**SR-86**  
Soleira tri-rail



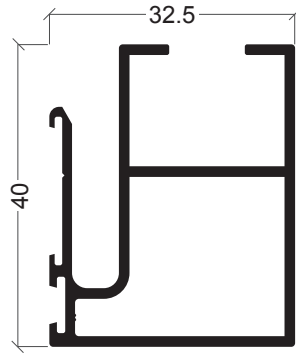
**SR-84**  
Ombreira tri-rail



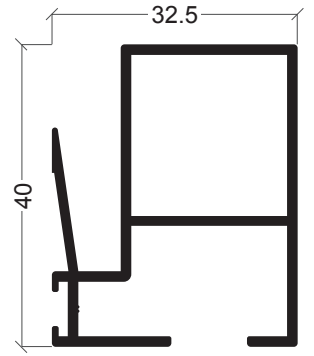
**SR-05**  
Aro móvel lateral



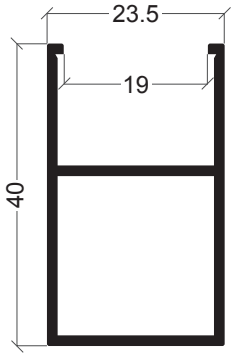
**SR-06**  
Aro móvel central



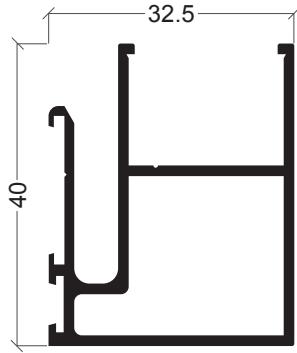
**SR-06A**  
Aro móvel central



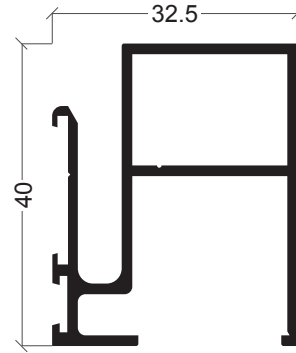
**SR-07**  
Aro móvel central 3F



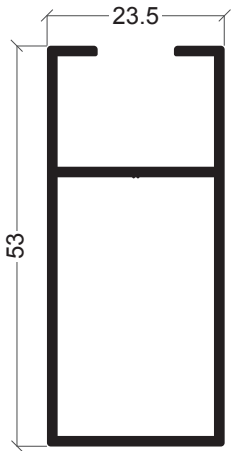
**SR-65**  
Aro móvel lateral



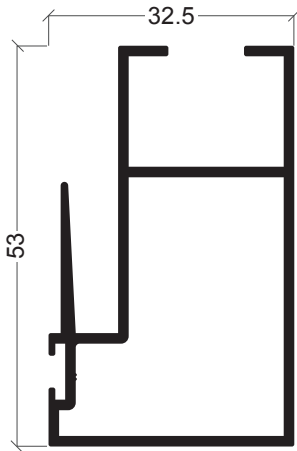
**SR-66**  
Aro móvel central



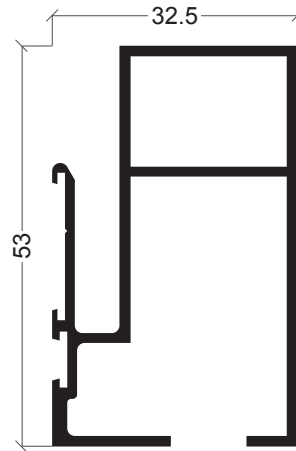
**SR-67**  
Aro móvel central 3F



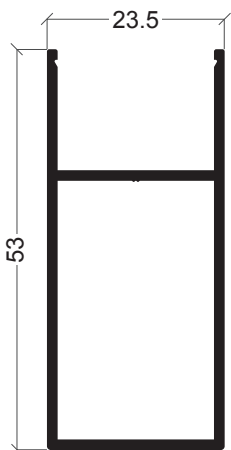
**SR-17**  
Aro móvel lateral



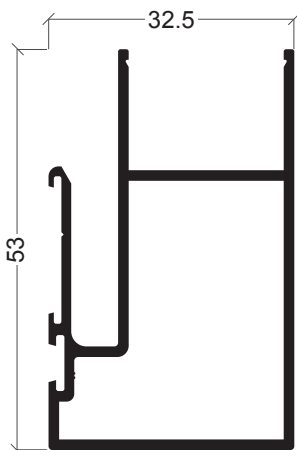
**SR-18**  
Aro móvel central



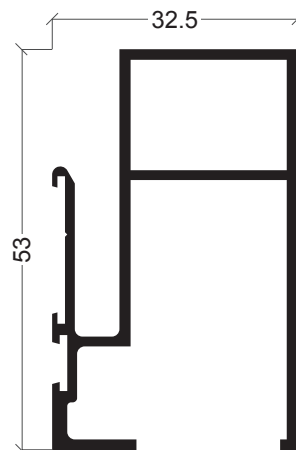
**SR-20**  
Aro móvel central 3F



**SR-27**  
Aro móvel lateral

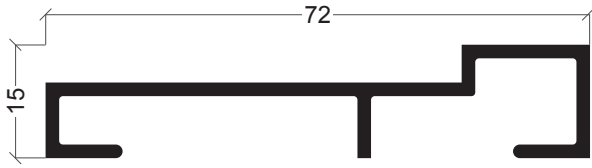


**SR-28**  
Aro móvel central

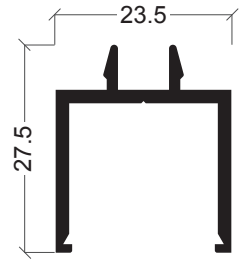


**SR-30**  
Aro móvel central 3F

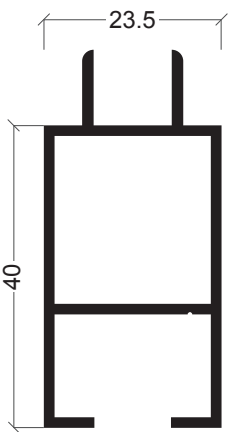




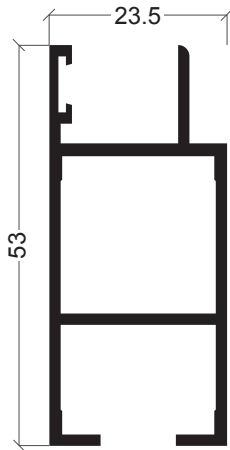
**SR-15**  
União de aros



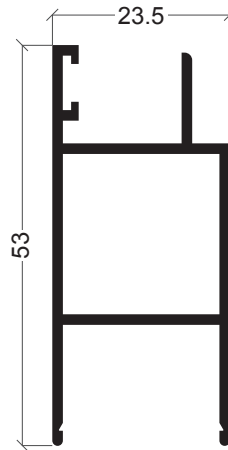
**SR-21**  
Perfil vidro duplo



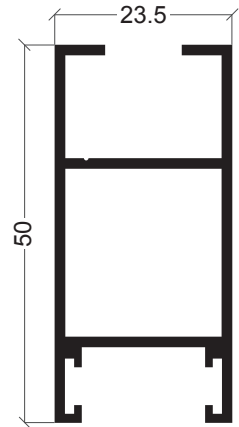
**SR-08**  
Aro móvel



**SR-08A**  
Aro móvel

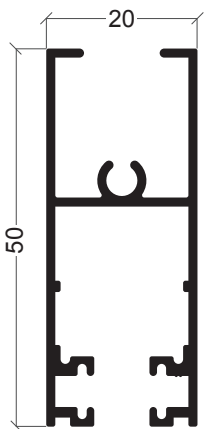


**SR-78**  
Aro móvel

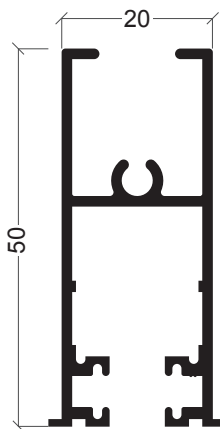


**SR-09**  
Aro móvel

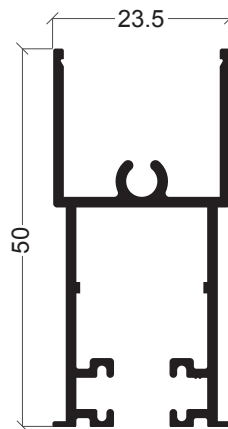
6



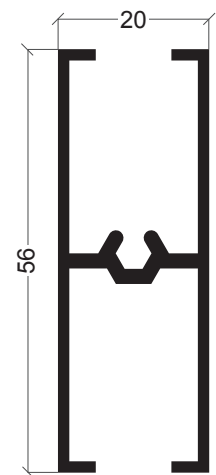
**SR-10**  
Aro móvel carrinho



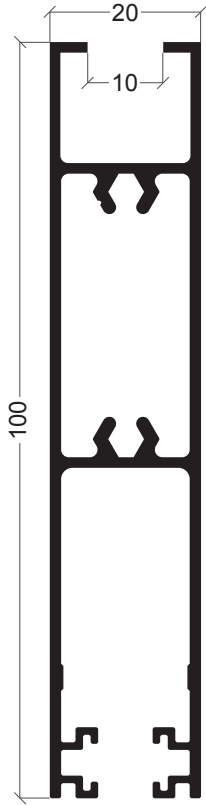
**SR-10A**  
Aro móvel carrinho



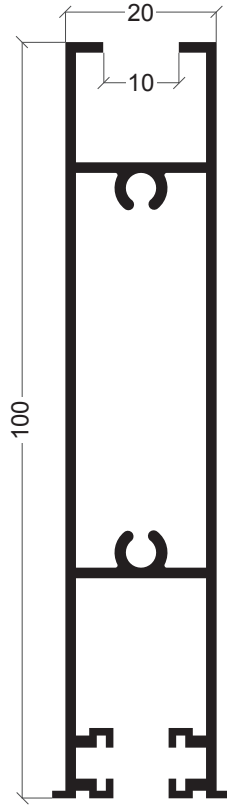
**SR-70**  
Aro móvel carrinho



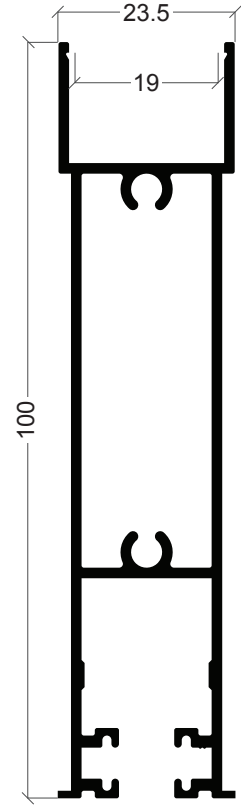
**SR-13**  
Travessa



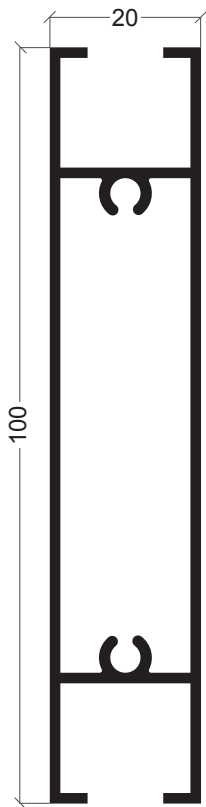
**SR-12**  
Almofoada carrinho



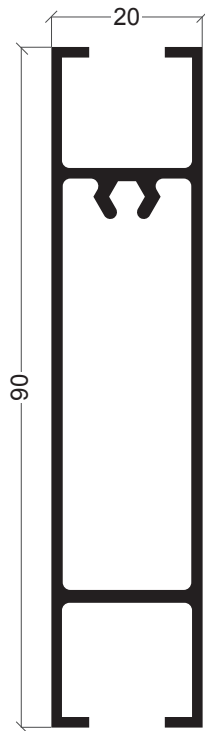
**SR-12A**  
Almofoada carrinho



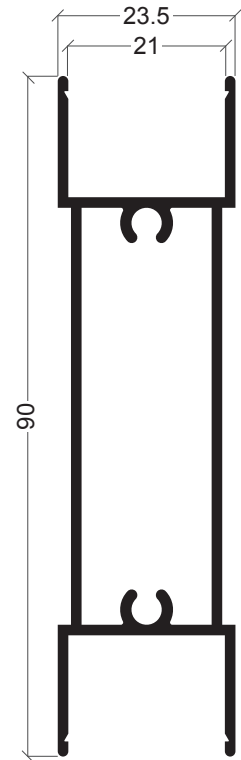
**SR-72**  
Almofoada carrinho



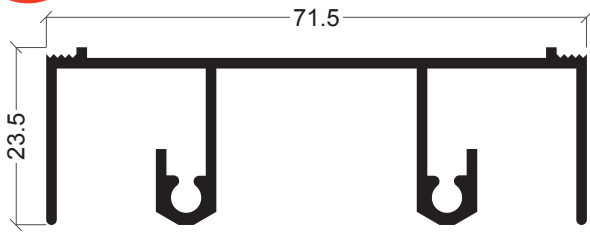
**SR-11**  
Travessa



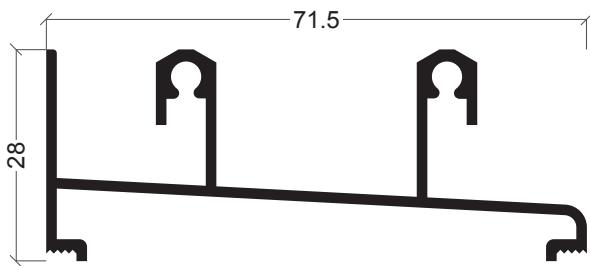
**SR-11A**  
Travessa



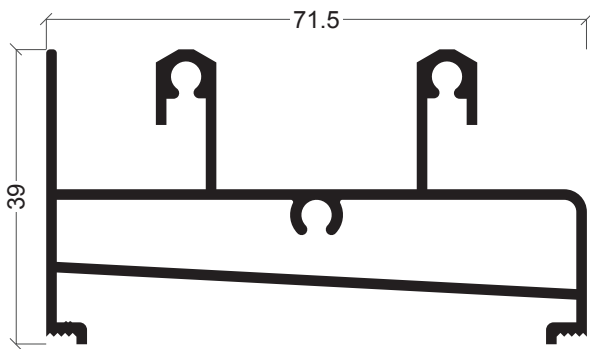
**SR-71**  
Travessa



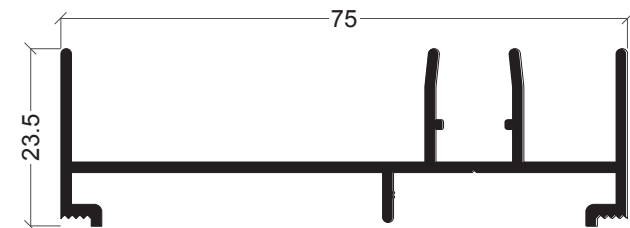
**SR-41**  
Padieira



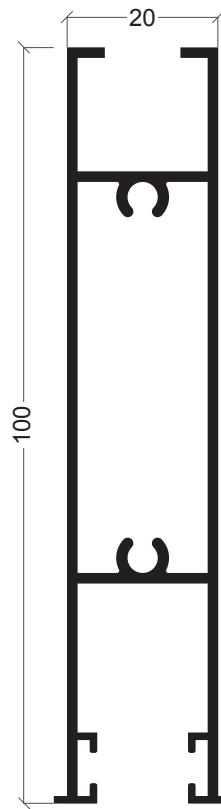
**SR-42**  
Soleira



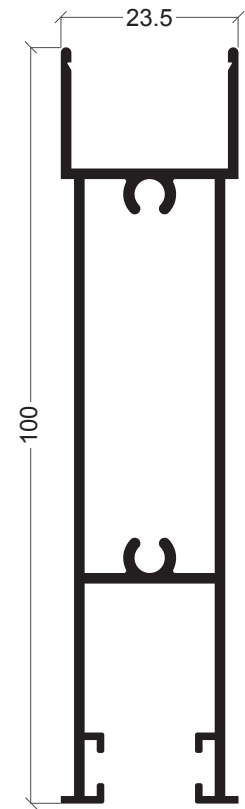
**SR-46**  
Soleira



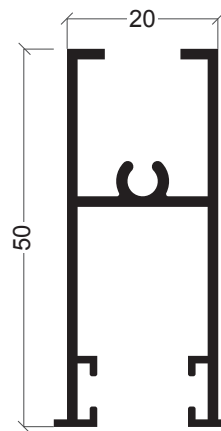
**SR-24**  
Ombreira



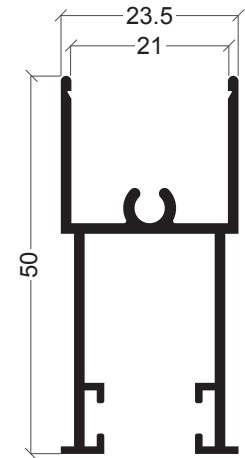
**SR-32**  
Almofada carrinho



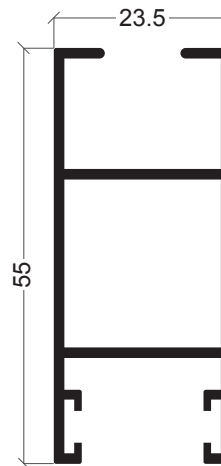
**SR-82**  
Almofada carrinho



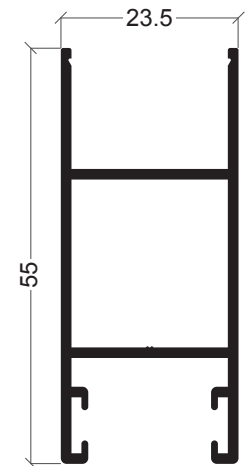
**SR-40**  
Aro móvel carrinho



**SR-80**  
Aro móvel carrinho



**SR-35**  
Aro móvel lateral



**SR-45**  
Aro móvel lateral