

www.dineru.com

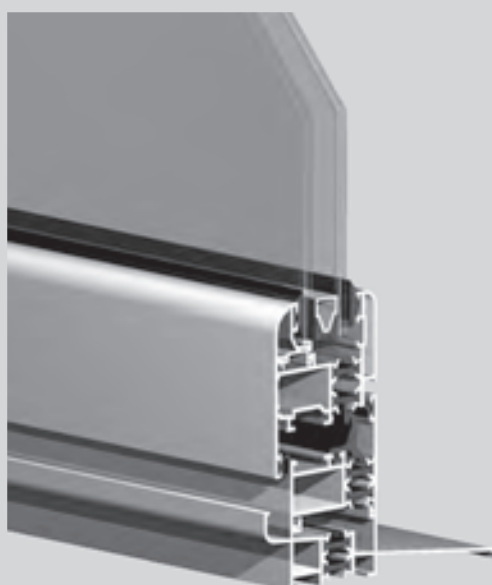


SISTEMAS BATENTE ROTURA TÉRMICA

www.dineru.com



1



Sistema

AXi

Sistema AXi

Sistema de batente com RPT - 45 mm

Características do sistema

Sistema de batente com rotura térmica e de elevadas prestações térmicas e acústicas.

O sistema AXi possibilita a execução de 4 versões de caixilharia:

1. linha recta;
2. linha curva;
3. linha tradição;
4. linha oval.

O sistema AXi permite a aplicação de vidros duplos de alto rendimento de modo a responder às exigências de isolamento térmico e acústico.

Perfis de alumínio

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

Perfis com rotura térmica obtida por inserção de varetas isolantes de poliamida de 14.6 mm reforçadas com 25% de fibra de vidro.

Espessura média dos perfis de alumínio de 1.5 mm para janelas e de 1.7 mm para portas.

Aros fixos

Secção dos aros fixos de 45 mm ou 70 mm;

Aros fixos com esquadro para montagem a meia esquadria;

Aros fixos tradicionais para mercado interno;

Aros fixos com clip exterior e aba de remate directa de 25 mm ou 45 mm;

Aros fixos com clip exterior e interior para aplicação de remate de 30 mm.

Aros móveis

Secção dos aros móveis de 53 mm;

Enchimento para vidro simples ou duplo de 4 mm a 37 mm;

Aros móveis de linha recta, curva, tradição ou oval (sem bite);

Aros móveis com esquadro para montagem a meia esquadria;

Perfil inversor de linha recta.

Dimensionamento e manobralidade

Dimensões mínimas - máximas de folha: 400 mm - 1500 mm (L); 400 mm - 2700 mm (H);

Possibilidades de abertura: fixo, batente interior 1 ou 2 folhas com oscilo-batente, exterior, basculante, projectante, pivotante, harmónio e oscilo-paralela;

Estanquidade assegurada através de juntas triplas em EPDM;

Performances

Sistema certificado por laboratório notificado para 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 AXi tipologia janela:

1. Permeabilidade ao ar: Classe 4 (norma de ensaio EN 1026)
2. Estanquidade à água: Classe E900 (norma de ensaio EN 1027)
3. Resistência ao vento: Classe C5 (norma de ensaio EN 12211)

Categorias alcançadas na avaliação do sistema AX tipologia porta:

1. Permeabilidade ao ar: Classe 4 (norma de ensaio EN 1026)
2. Estanquidade à água: Classe 8A (norma de ensaio EN 1027)
3. Resistência ao vento: Classe C3 (norma de ensaio EN 12211)
4. Resistência à torção estática: Apto 350N (norma de ensaio EN 14609)

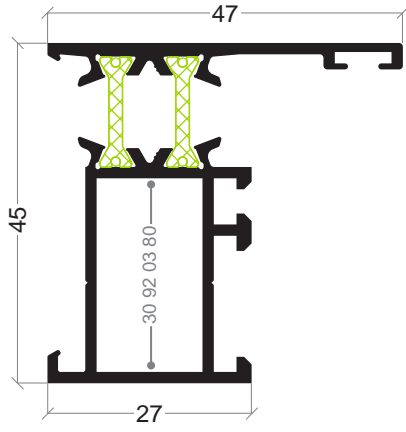
Coefficiente de transmissão térmica de vão de 2 folhas com 1.20 m x 1.50 m com vidro $U_g = 0.7 \text{ W/m}^2\text{K}$, com intercalar efeito "Warm Edge":

• $U_w = 1.72 \text{ W/m}^2\text{K}$

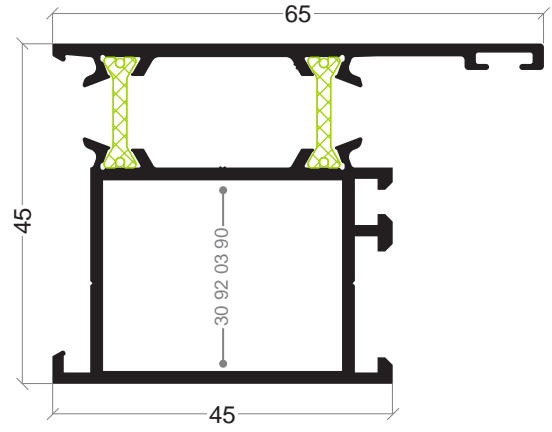
Coefficiente de atenuação acústica de vão de 2 folha com vidro 4/14/6:

• $R_w (C; C_{tr}) = 34 \text{ dB} (-1; -4)$

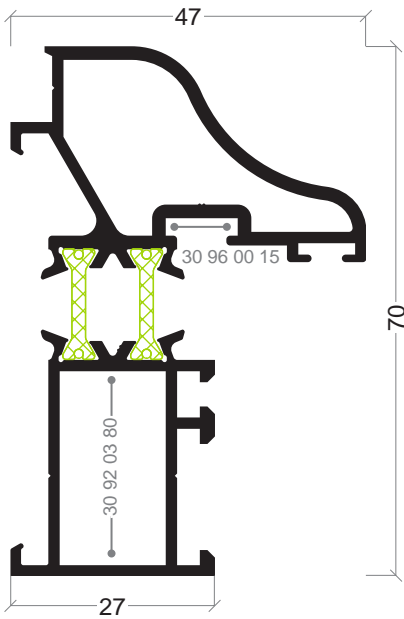
Zonas de aplicação segundo RCCTE (em função do valor U_g): I1, I2, I3, V1, V2, V3.



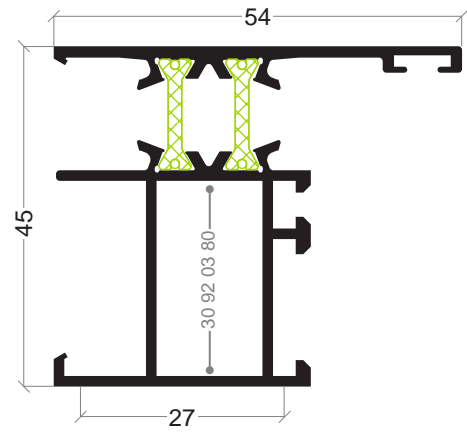
AXi-03
Aro fixo



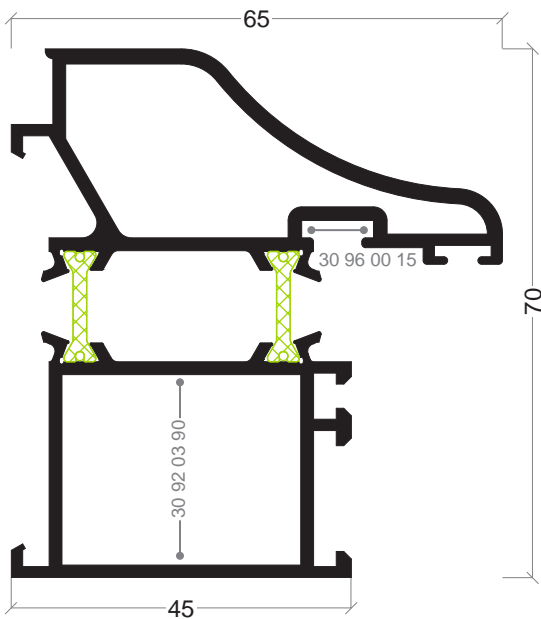
AXi-08
Aro fixo



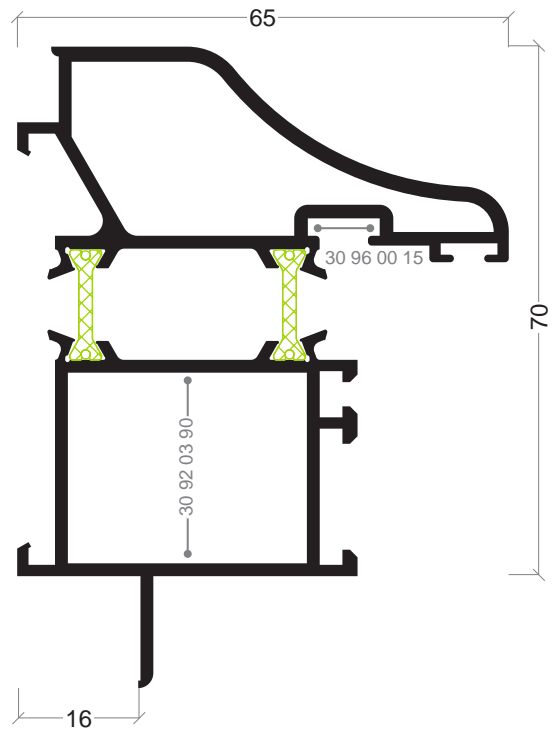
AXi-49
Aro fixo



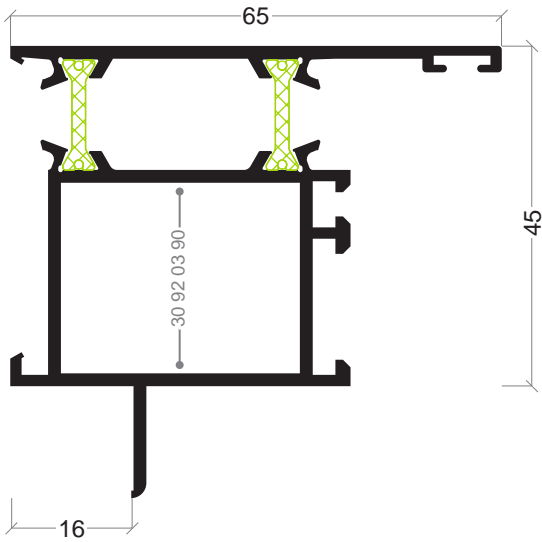
AXi-81
Aro fixo



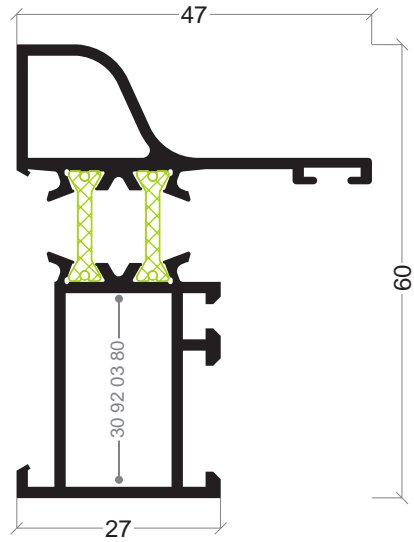
AXi-50
Aro fixo



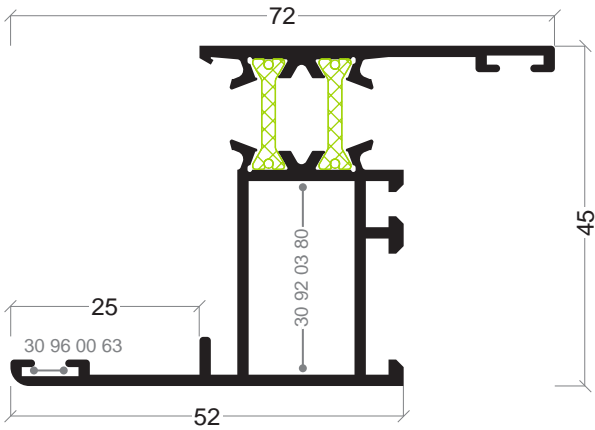
AXi-51
Aro fixo para apanelado



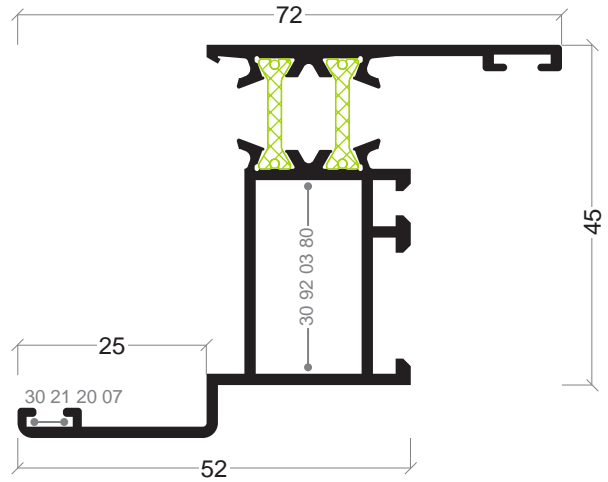
AXi-48
Aro fixo para apanelado



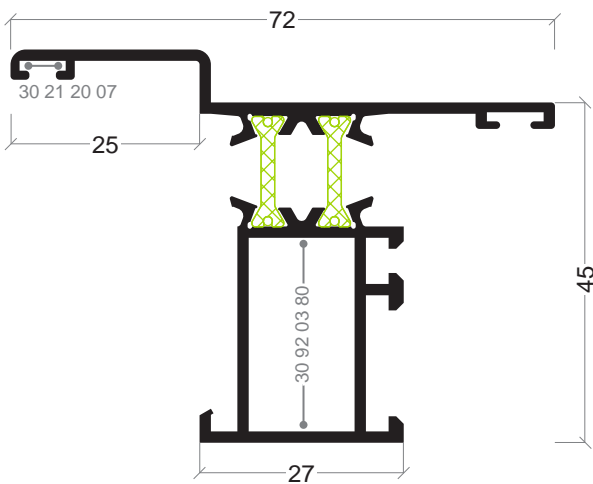
AXi-33
Aro fixo



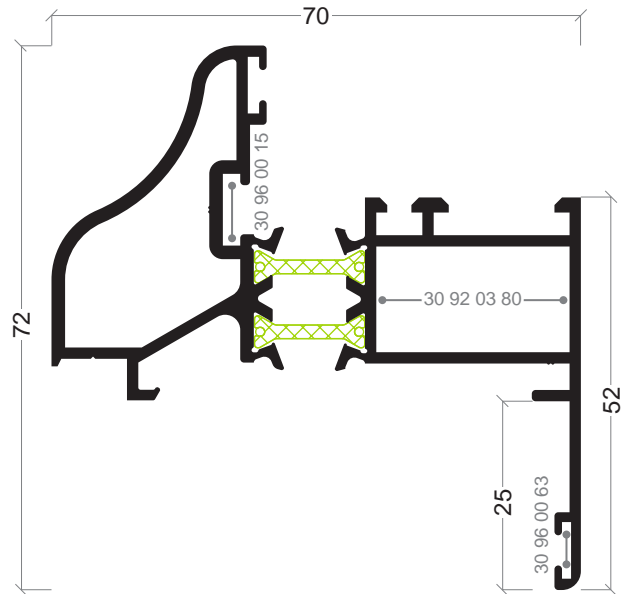
AXi-25
Aro fixo com remate



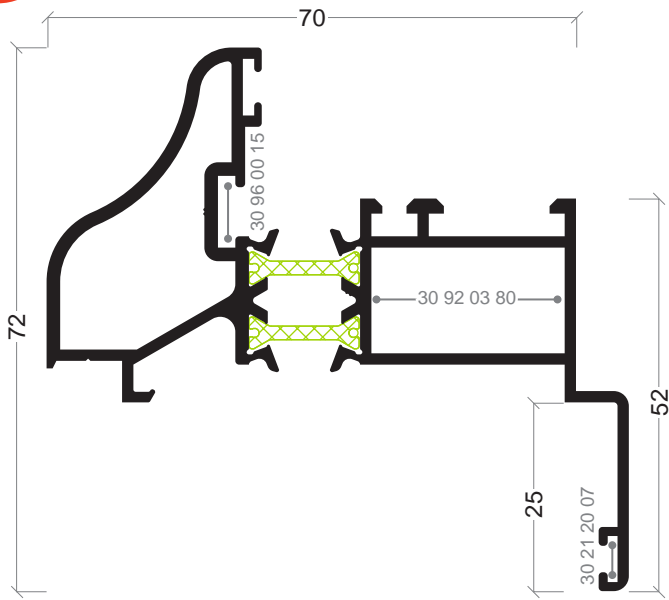
AXi-19
Aro fixo com remate



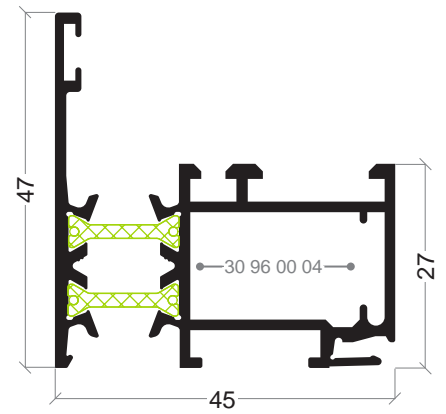
AXi-23
Aro fixo com remate



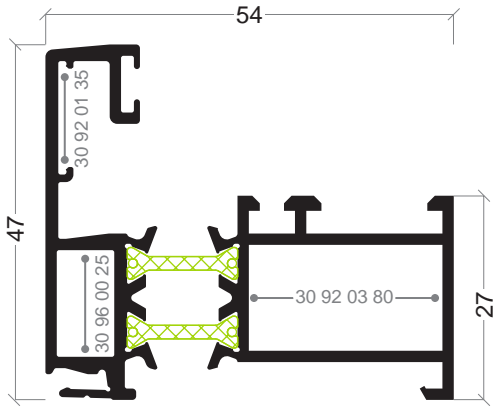
AXi-58
Aro fixo com remate



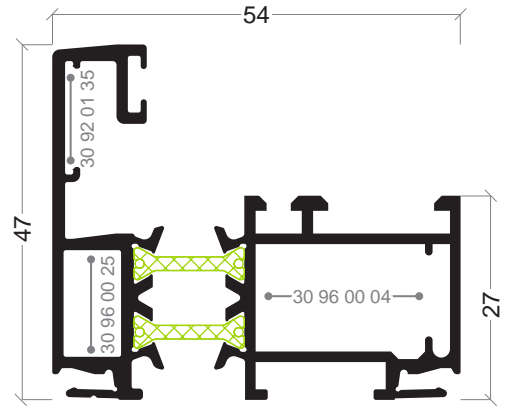
AXi-56
Aro fixo com remate



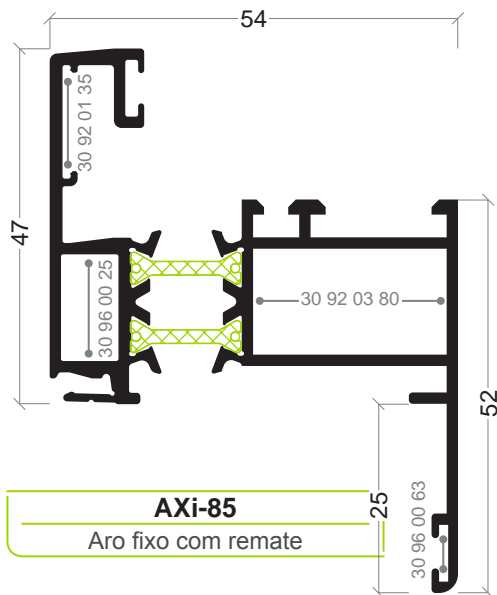
AXi-90
Aro fixo



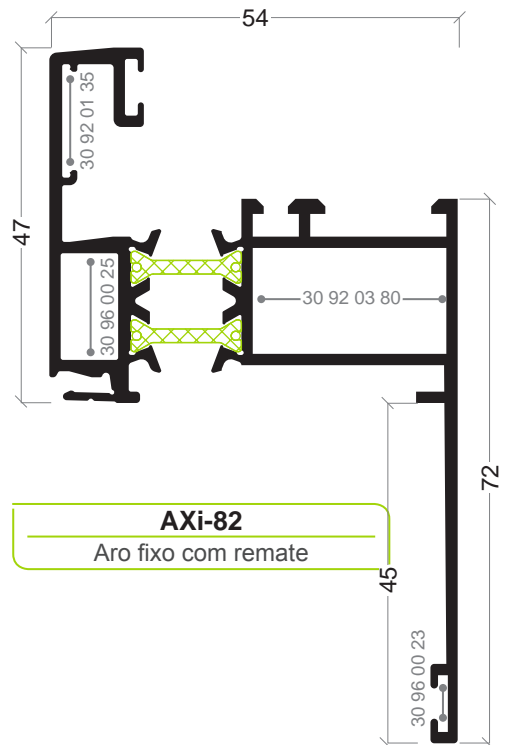
AXi-86
Aro fixo



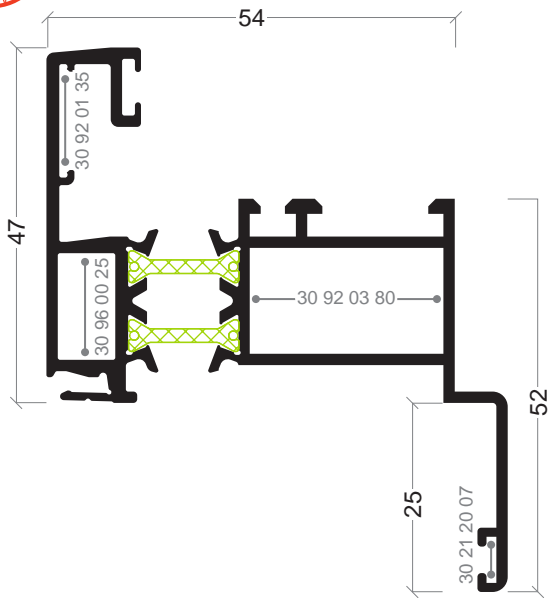
AXi-87
Aro fixo



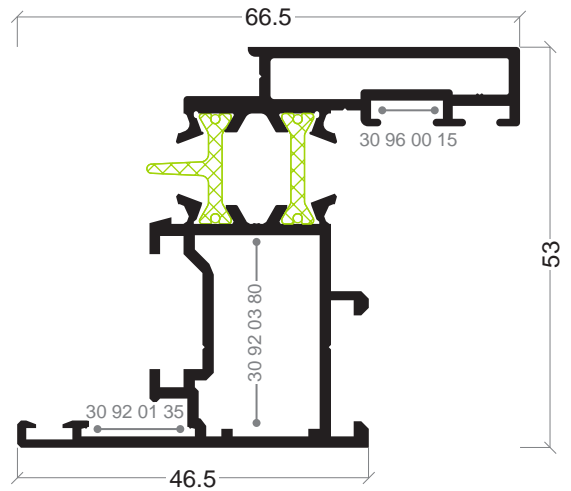
AXi-85
Aro fixo com remate



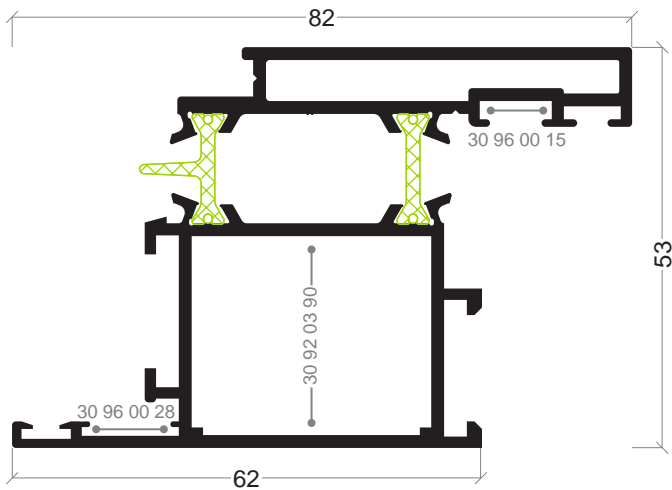
AXi-82
Aro fixo com remate



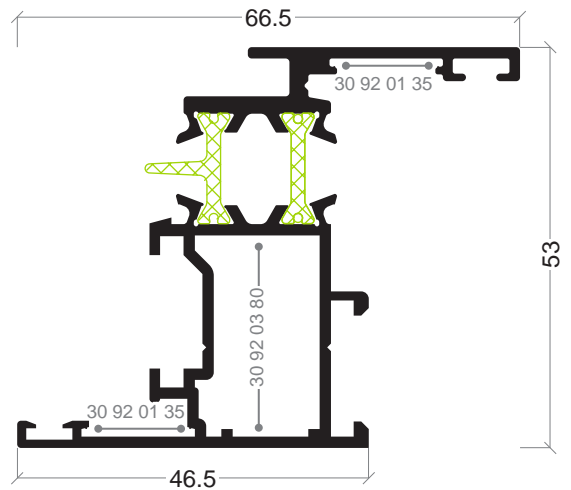
AXi-84
Aro fixo com remate



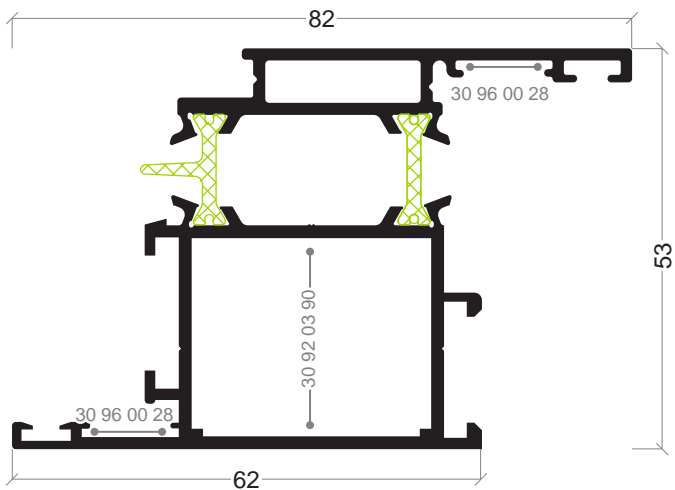
AXi-64
Aro móvel



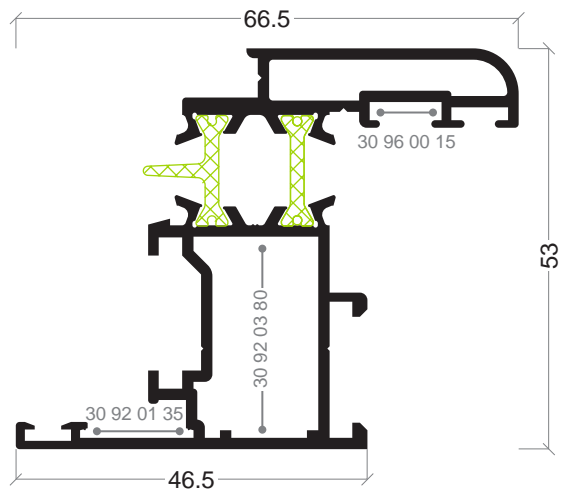
AXi-65
Aro móvel



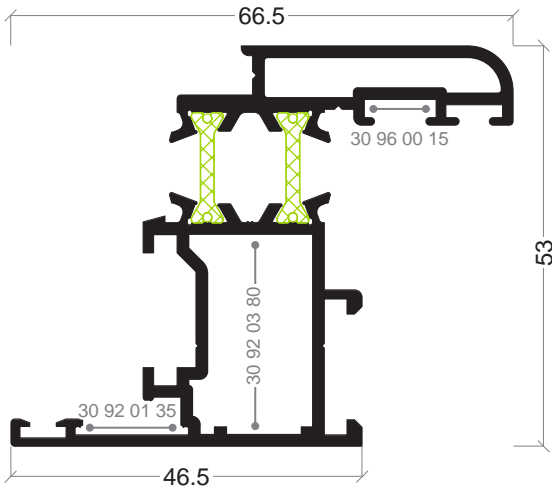
AXi-02
Aro móvel



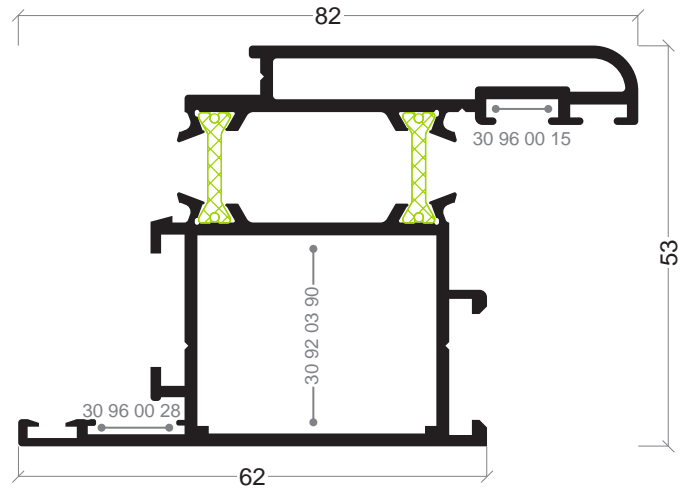
AXi-07
Aro móvel



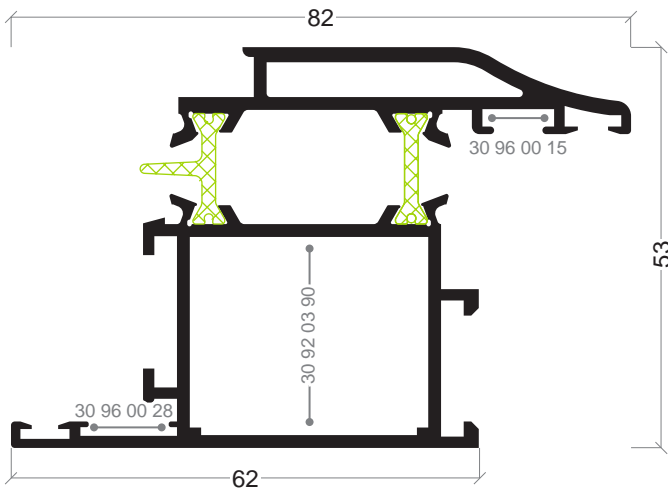
AXi-24
Aro móvel



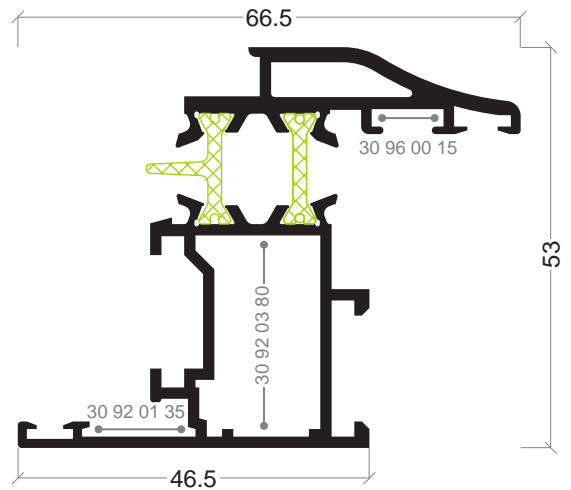
AXi-05
Aro móvel



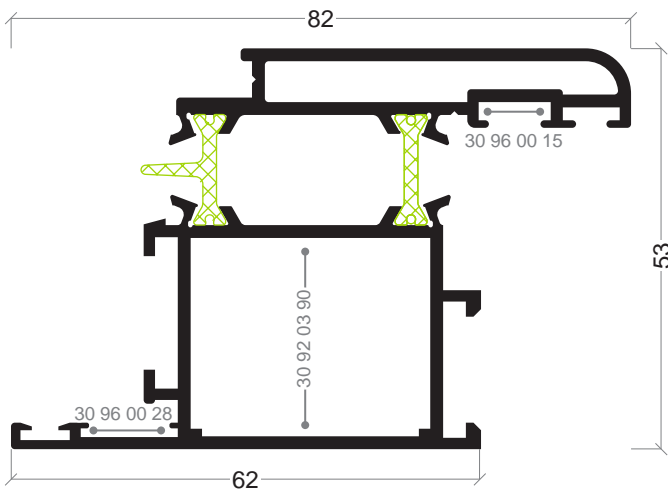
AXi-10
Aro móvel



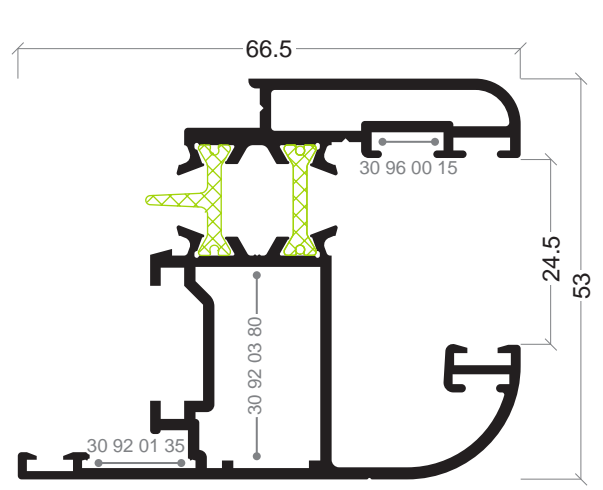
AXi-53
Aro móvel



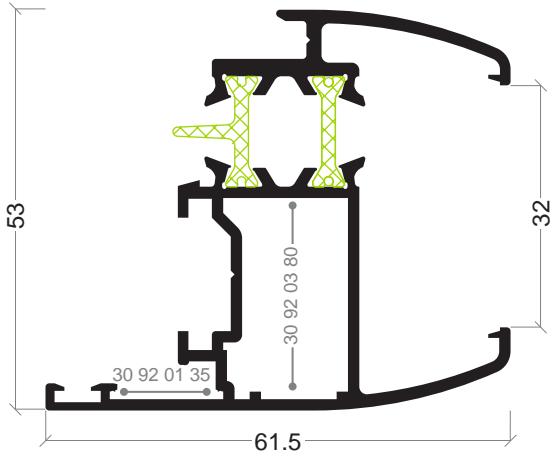
AXi-52
Aro móvel



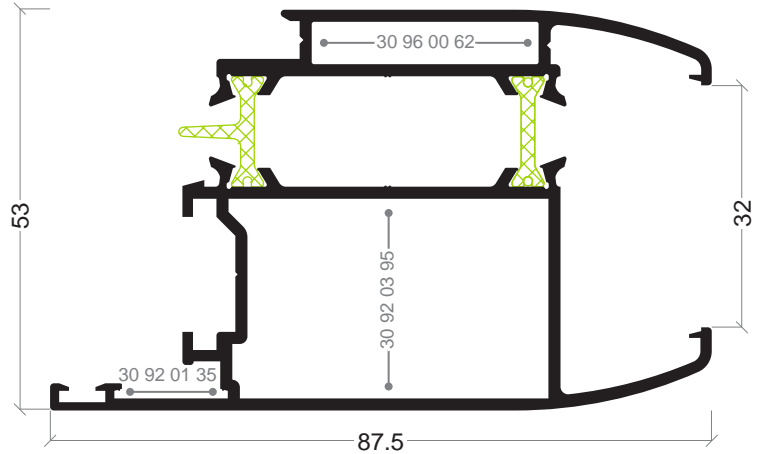
AXi-27
Aro móvel



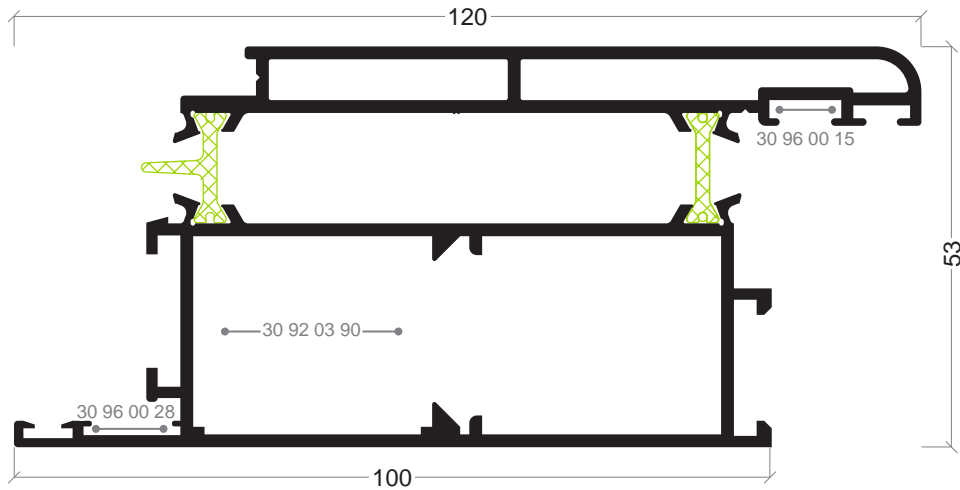
AXi-44
Aro móvel



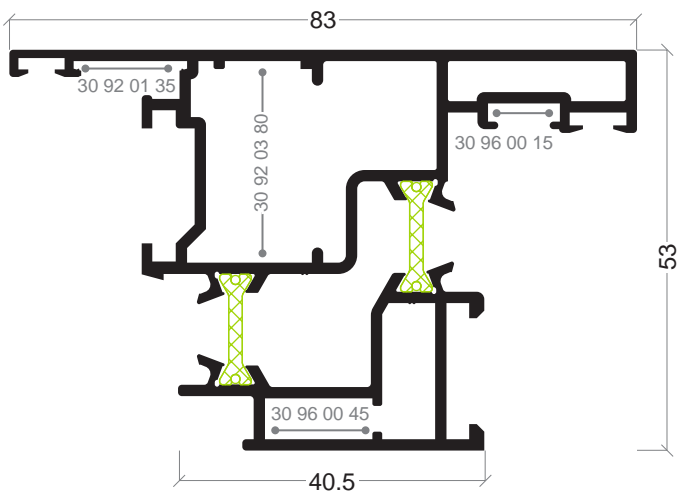
AXi-76
Aro móvel



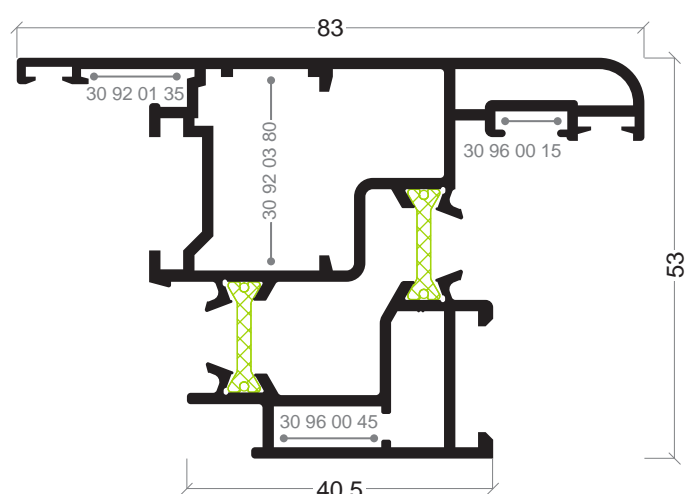
AXi-77
Aro móvel



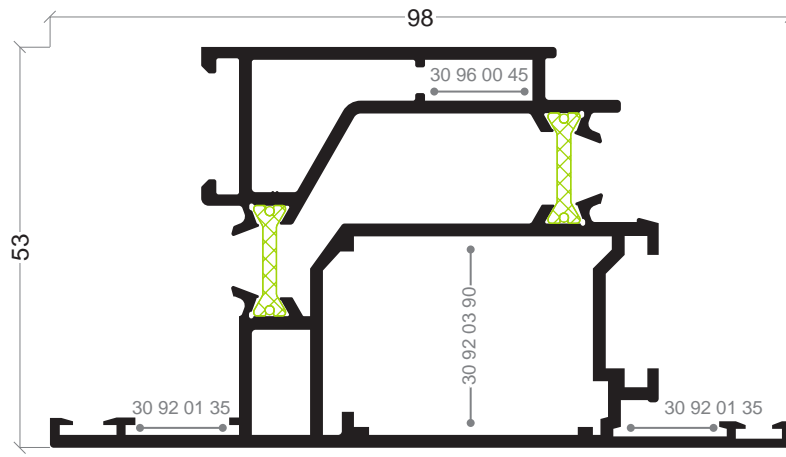
AXi-66
Aro móvel



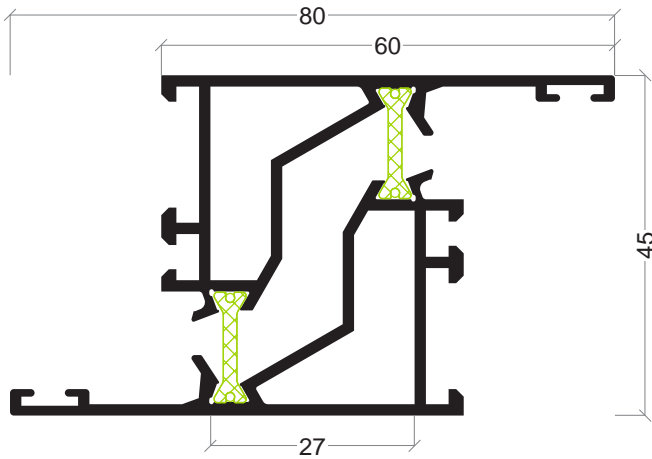
AXi-60
Aro móvel abertura exterior



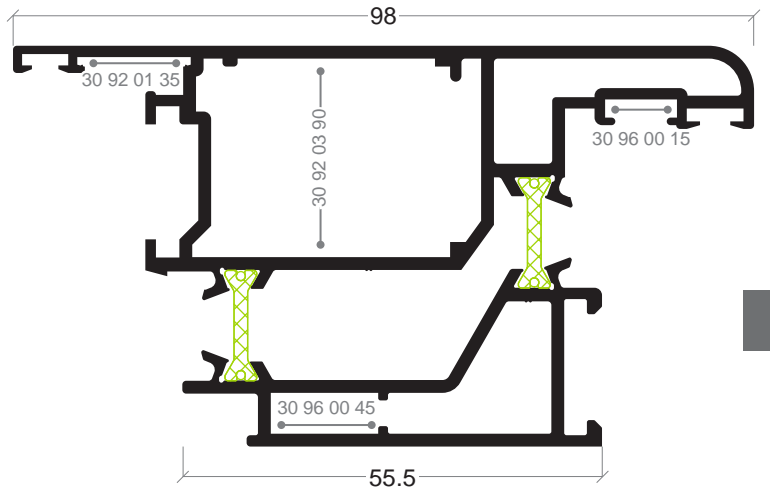
AXi-59
Aro móvel abertura exterior



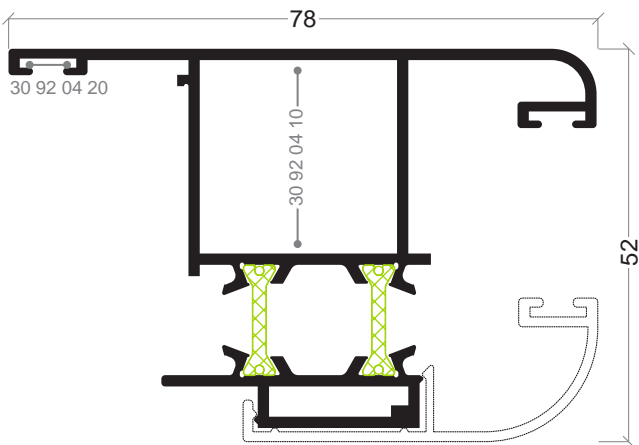
AXi-71
Aro móvel abertura exterior



AXi-61
Aro fixo abertura exterior c/ fixo lateral



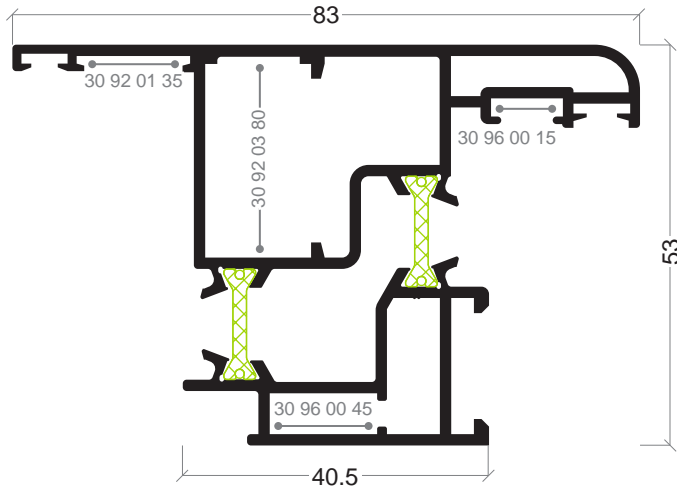
AXi-62
Aro móvel abertura exterior



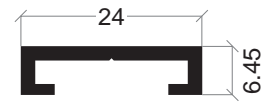
AXi-26
Aro móvel abertura exterior



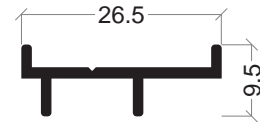
AZ-29
Bite para AXi-26



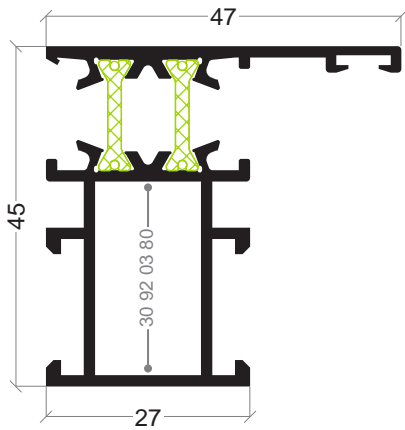
AXi-63
Aro móvel projectante



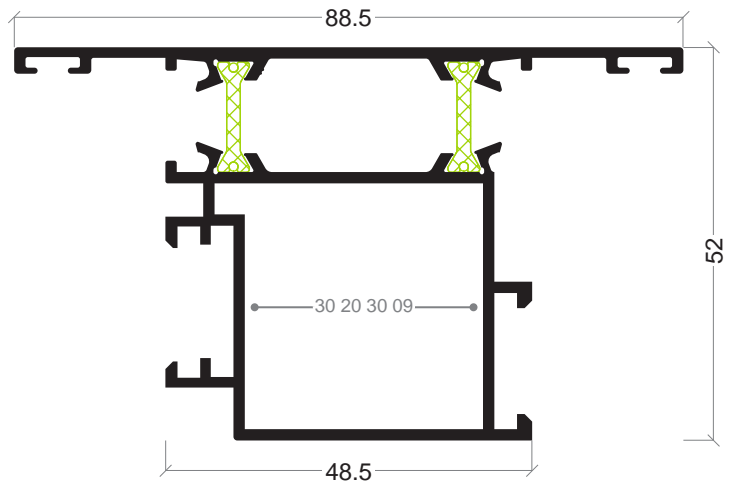
AXi-31
Guia abertura projectante



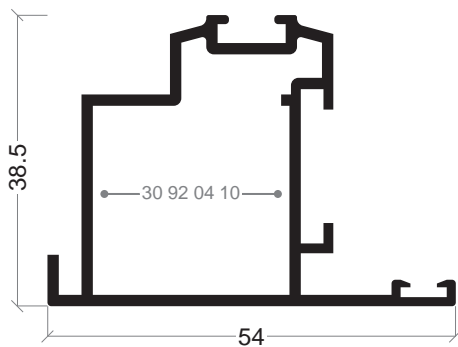
AXi-32
Complemento abertura projectante



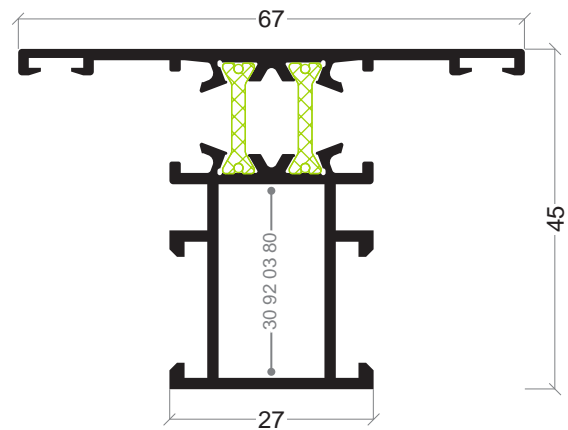
AXi-38
Aro fixo pivotante



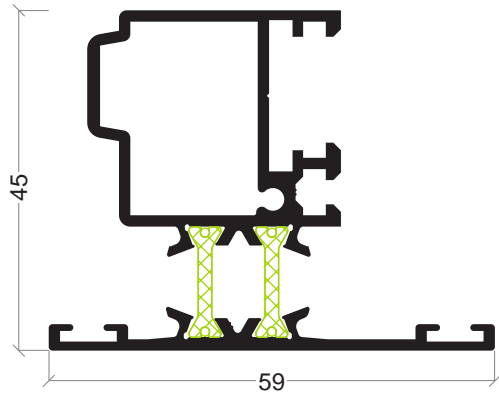
AXi-40
Aro móvel pivotante



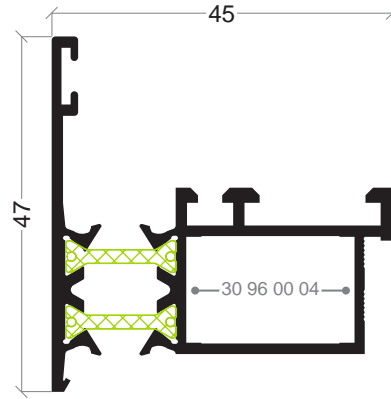
AXi-41
Inversor pivotante



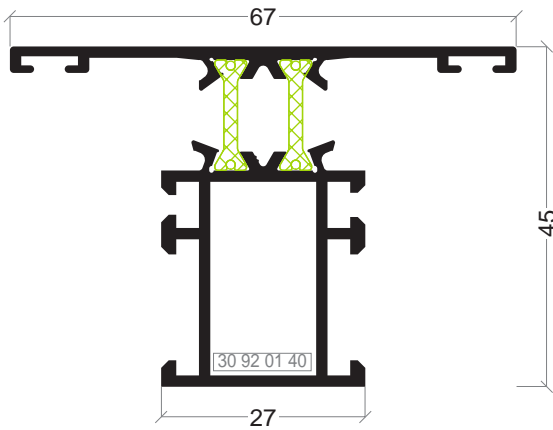
AXi-39
Travessa pivotante



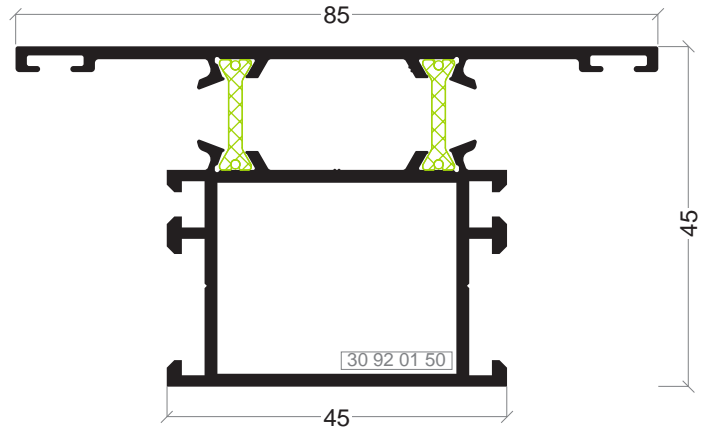
AXi-04
Inversor



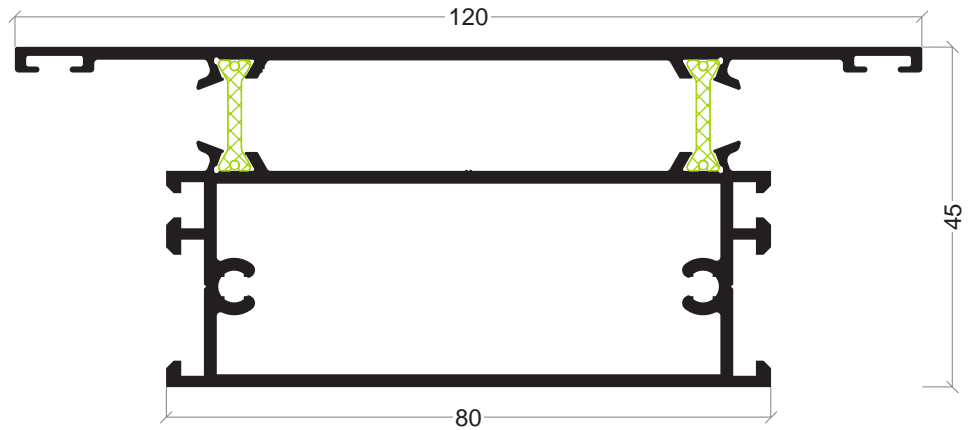
AXi-75
Inversor abertura exterior



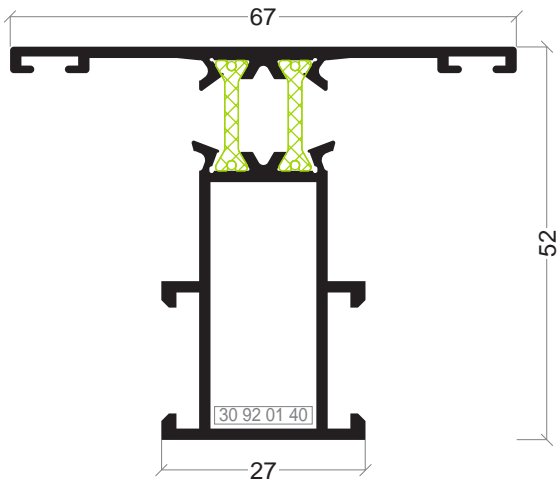
AXi-01
Travessa



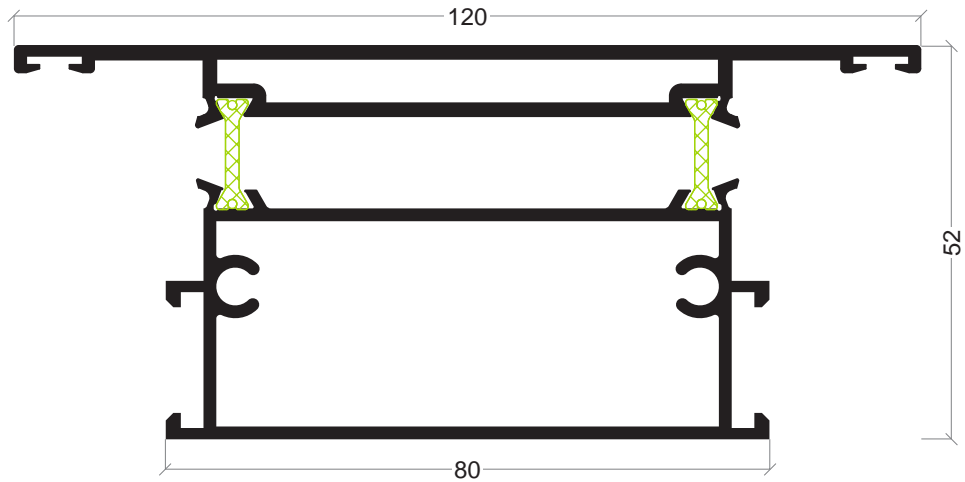
AXi-06
Travessa



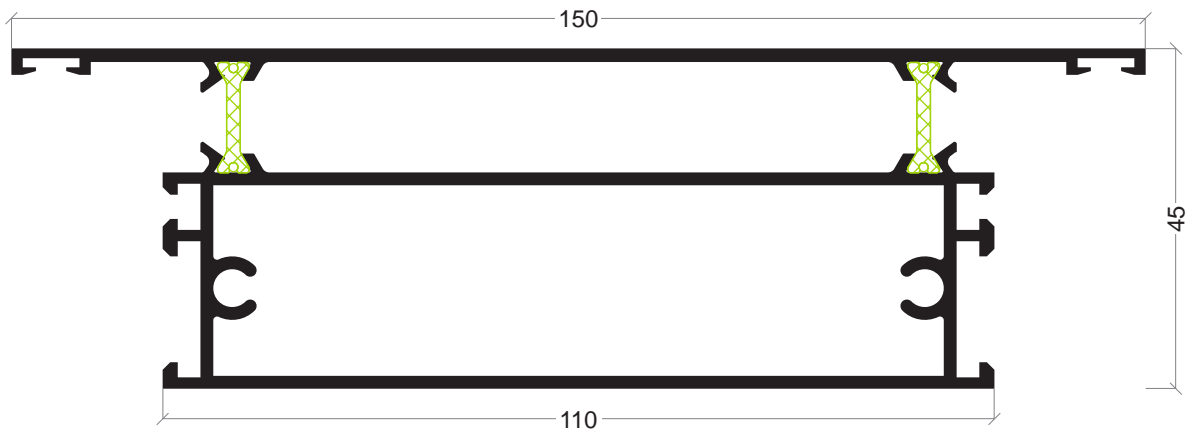
AXi-12
Travessa



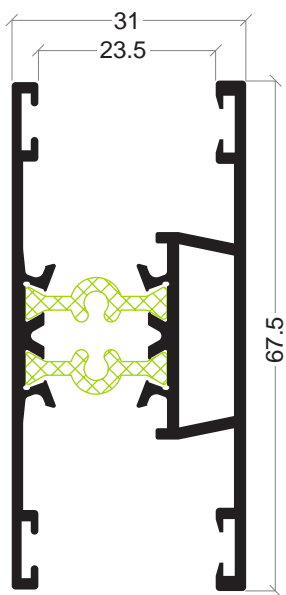
AXi-09
Travessa



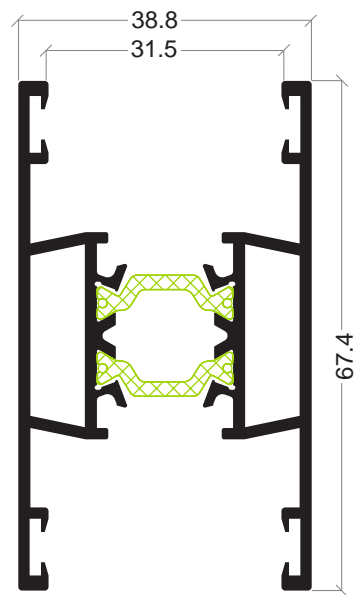
AXi-13
Travessa



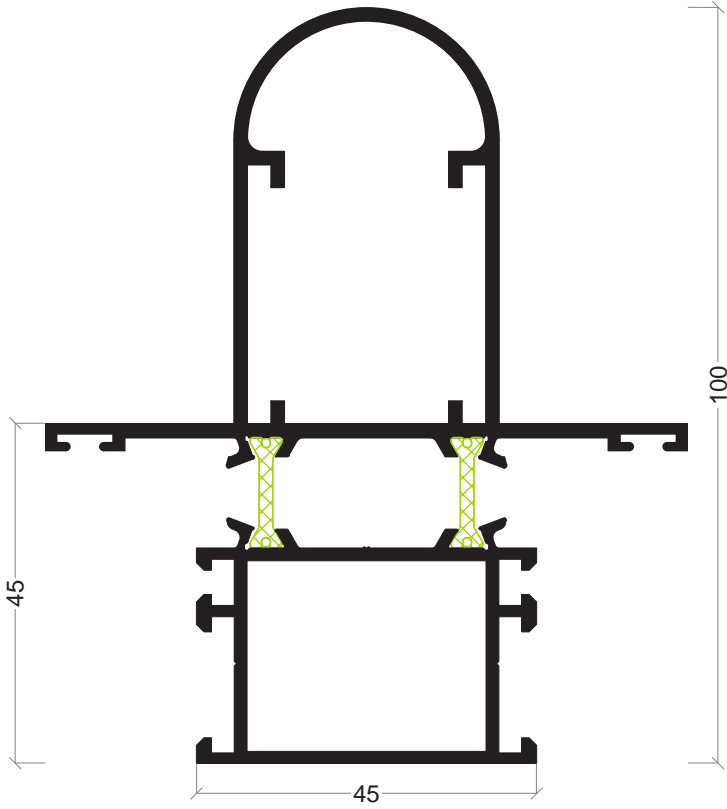
AXi-14
Travessa



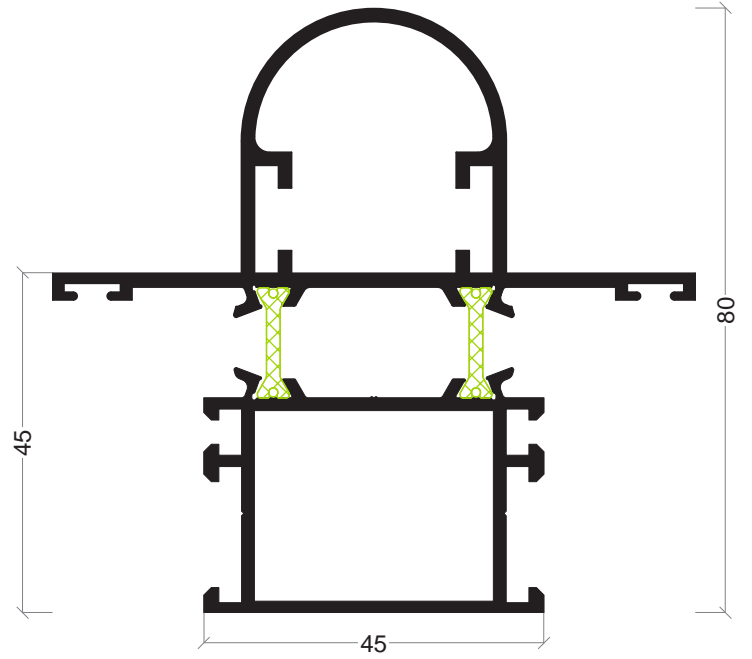
AXi-43
Travessa para AXi-44



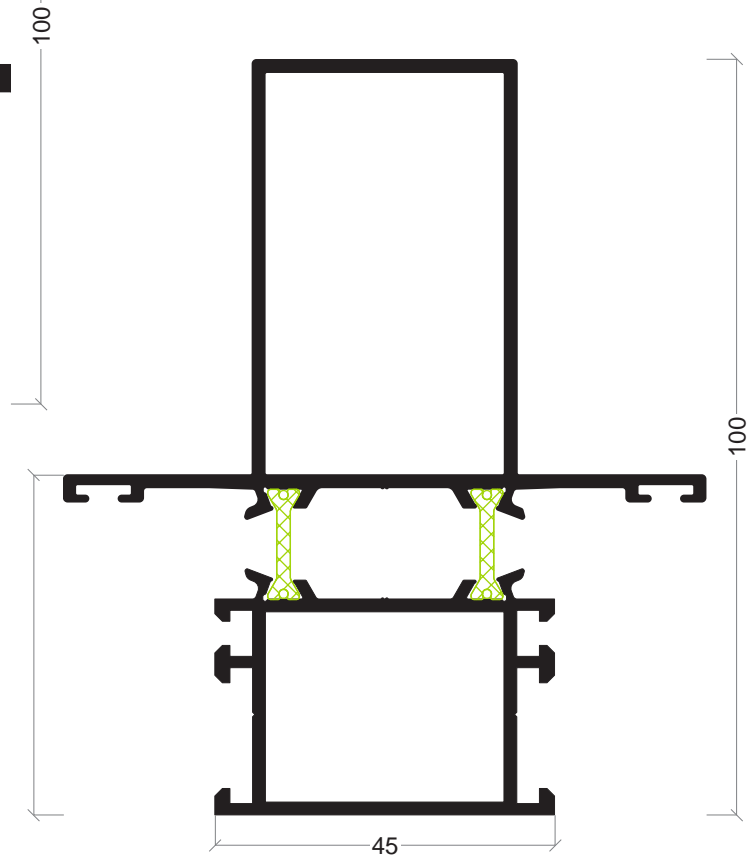
AXi-79
Travessa para AXi-77



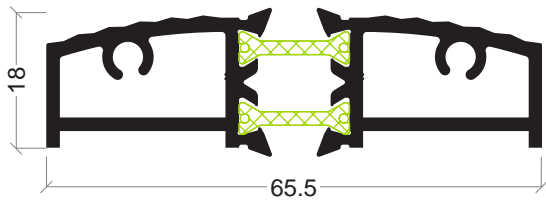
AXi-18
Montante curvo



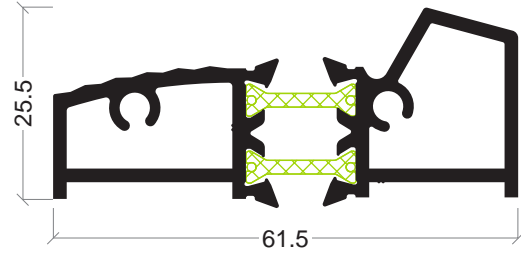
AXi-17
Montante curvo



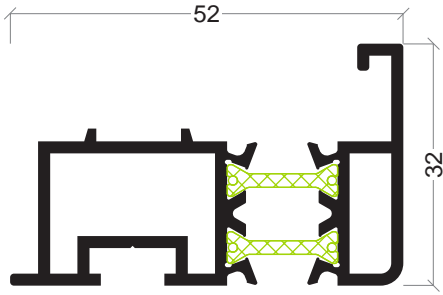
AXi-78
Montante recto



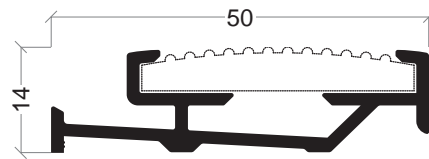
AXi-69
Remate inferior porta



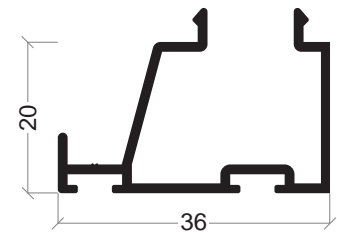
AXi-70
Remate inferior porta



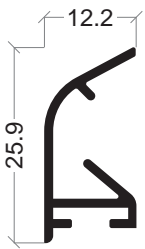
AXi-42
Remate almofada



AZ-69
Remate inferior porta



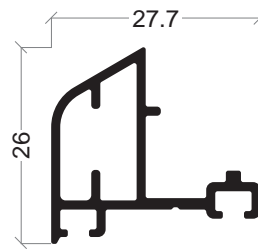
AX-15
Bite remate



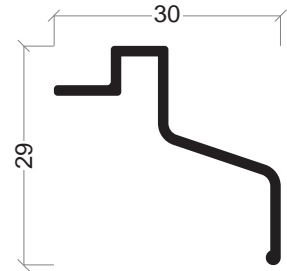
AZ-60
Pingadeira



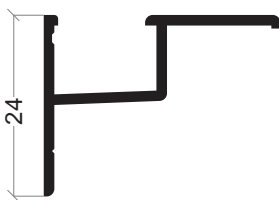
AZ-61
Clip pingadeira



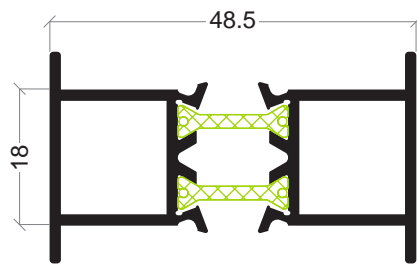
AZ-79
Pingadeira



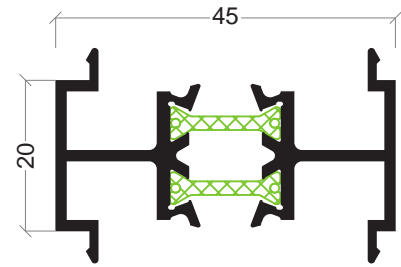
AXi-45
Pingadeira



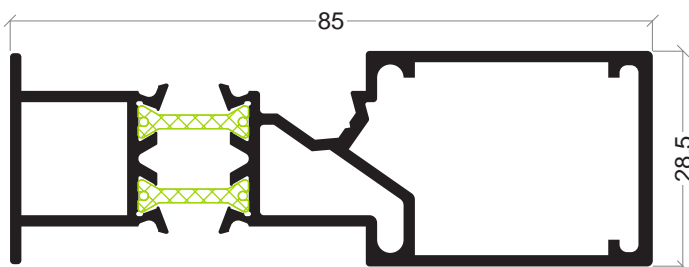
Y-20
Recolha de águas condensação



AXi-54
União de aros



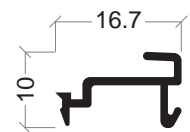
AXi-15
União de aros



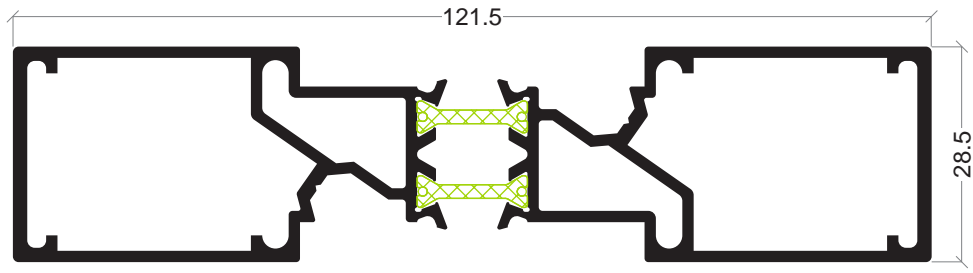
AXi-67
União de aros com reforço



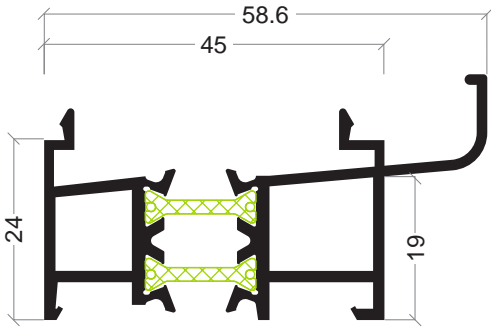
AX-19
Vareta



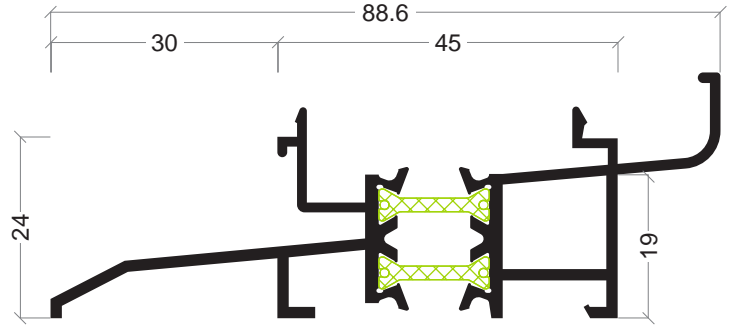
AX-33
Mola Bite



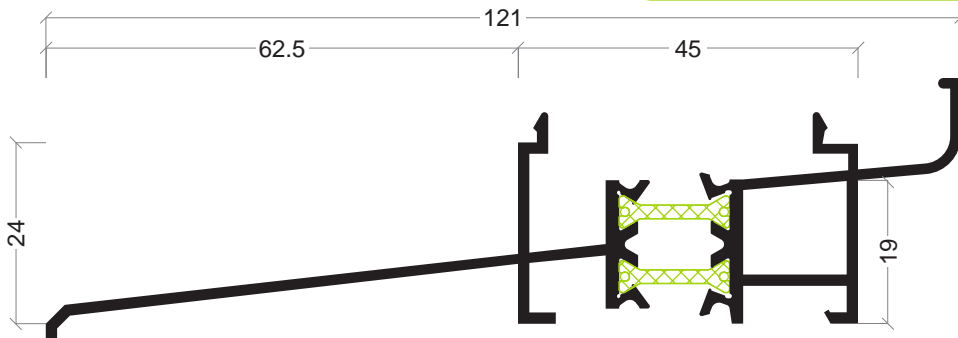
AXi-68
União de aros com reforço



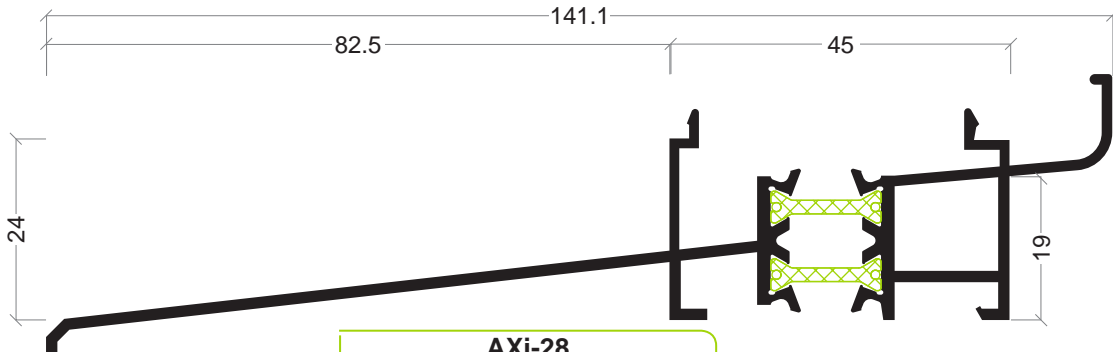
AXi-57
Soleira condensação



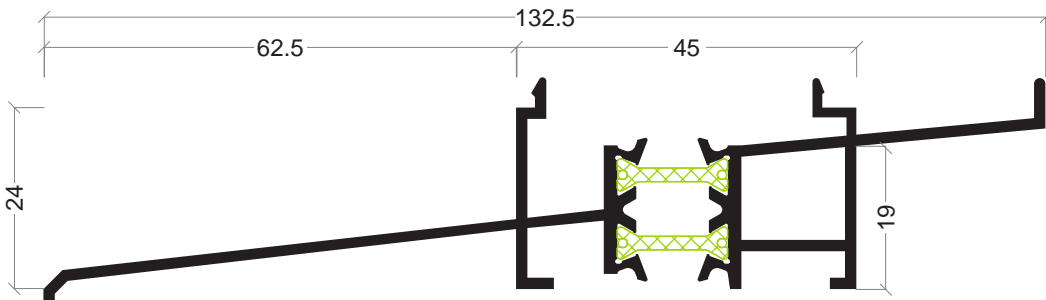
AXi-29
Soleira condensação



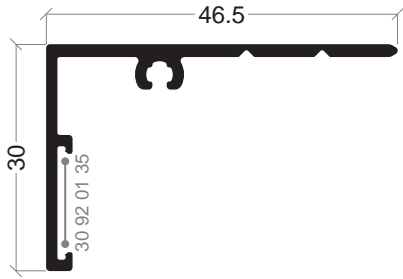
AXi-30
Soleira condensação



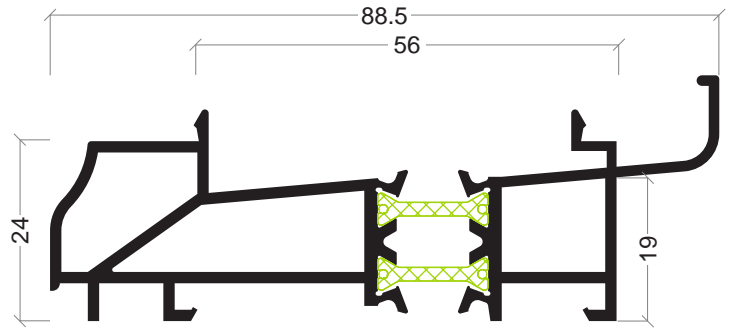
AXi-28
Soleira condensação



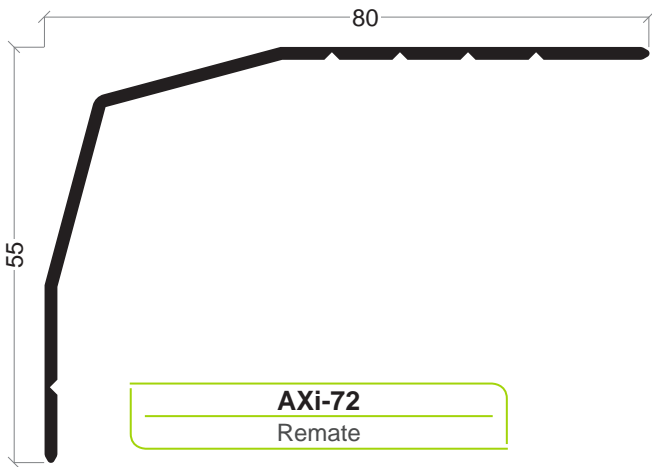
AXi-22
Soleira condensação



AXi-80
Remate



AXi-55
Soleira condensação



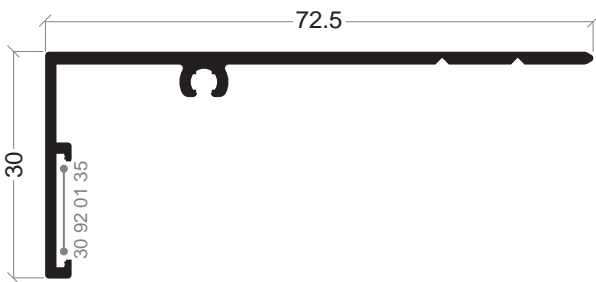
AXi-72
Remate



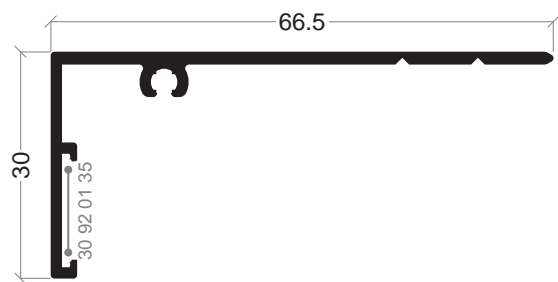
AXi-88
Complemento remate



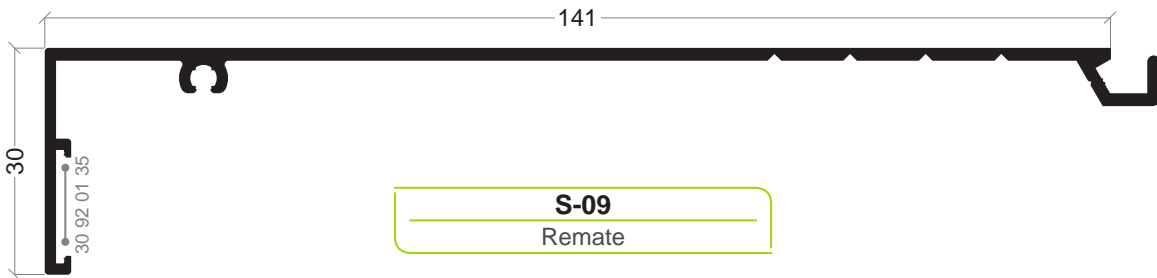
AXi-91
Complemento remate



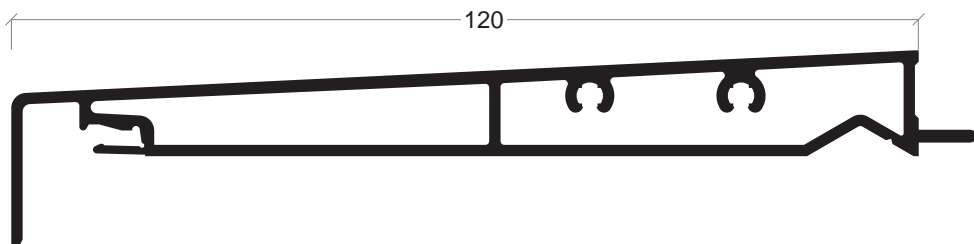
AXi-83
Remate



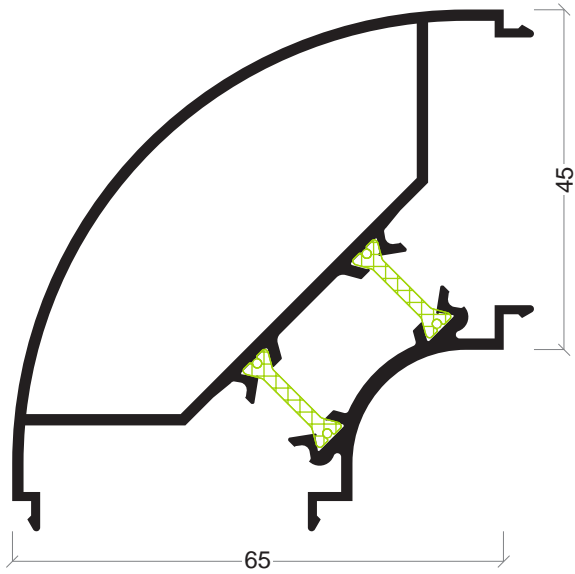
AXi-73
Remate



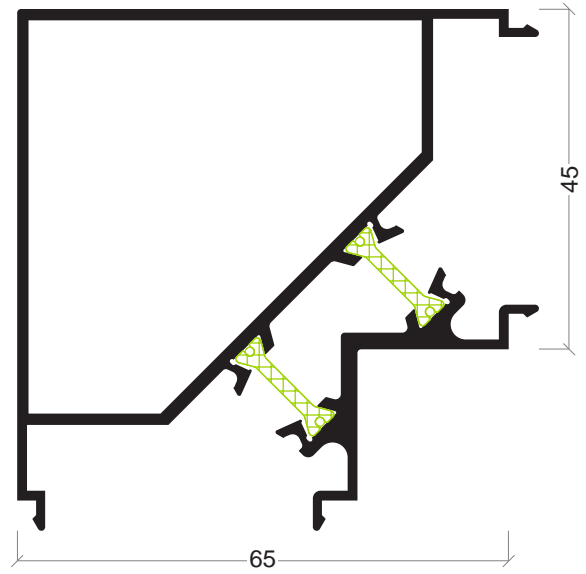
S-09
Remate



AXi-74
Remate soleira

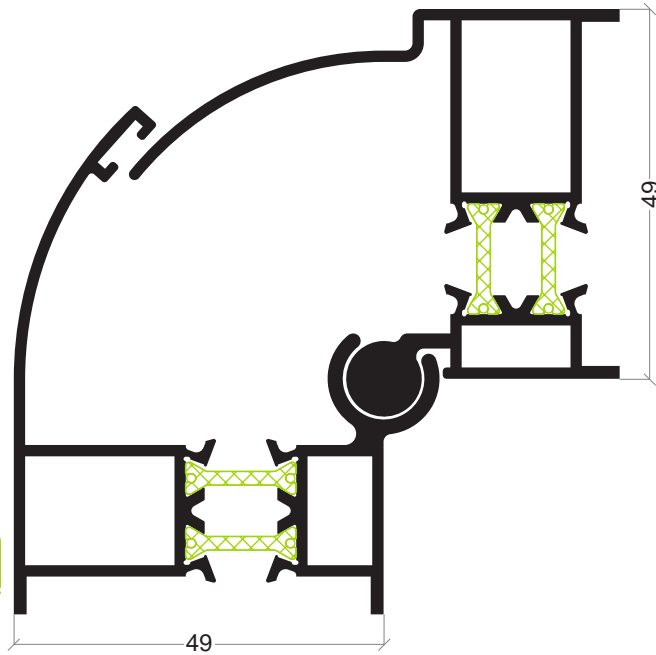


AXi-16
Esquina

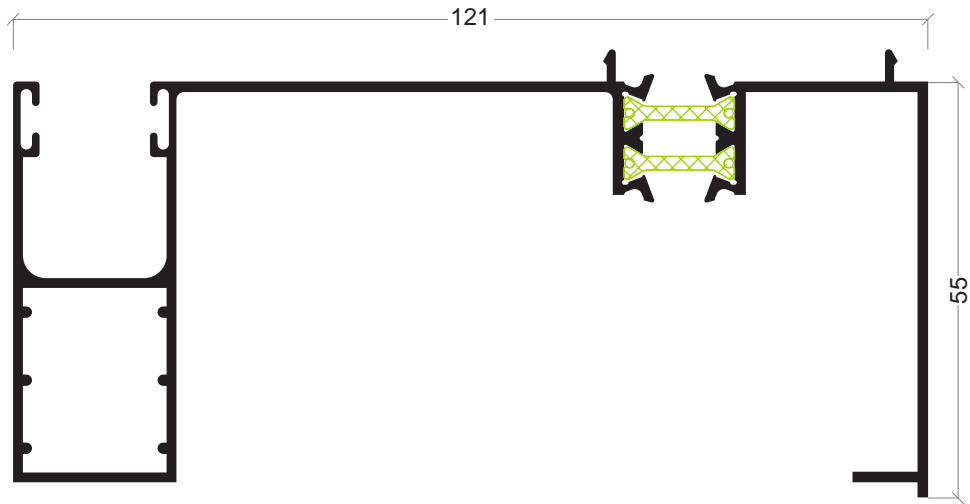


AXi-34
Esquina

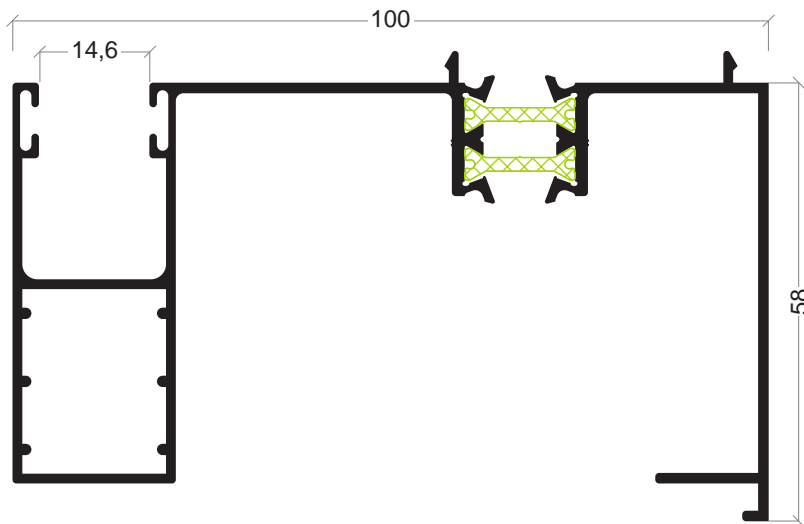
AXi-36
União de aros para ângulos



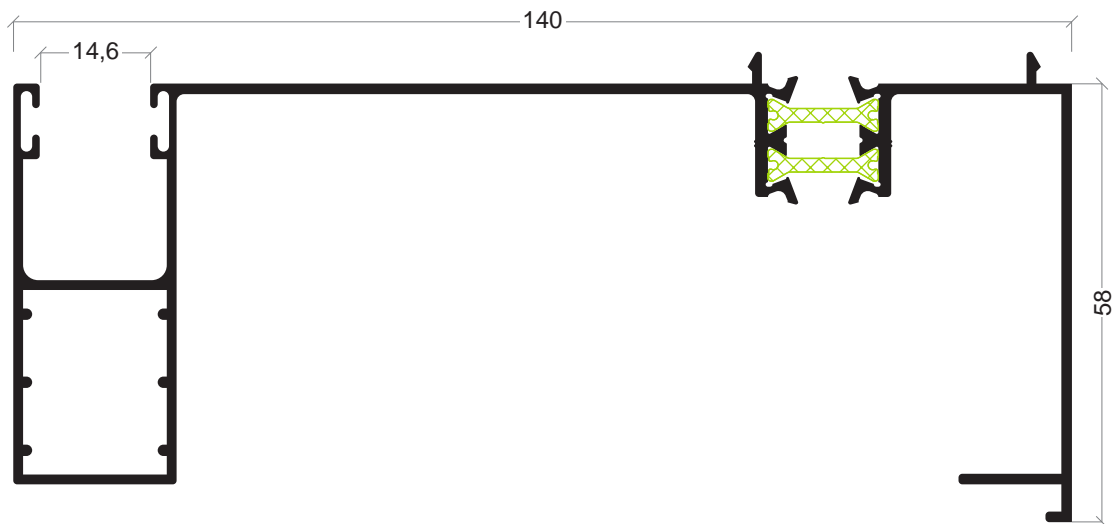
AXi-37
União de aros para ângulos



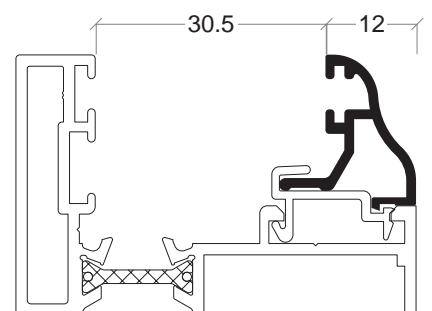
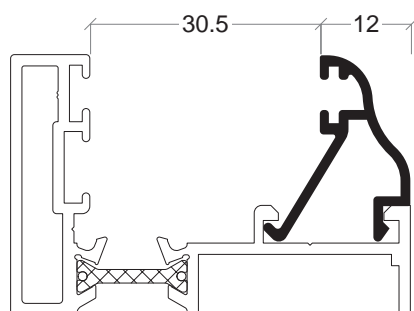
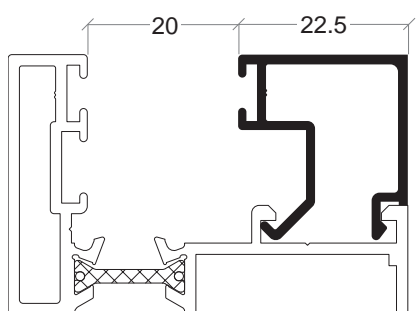
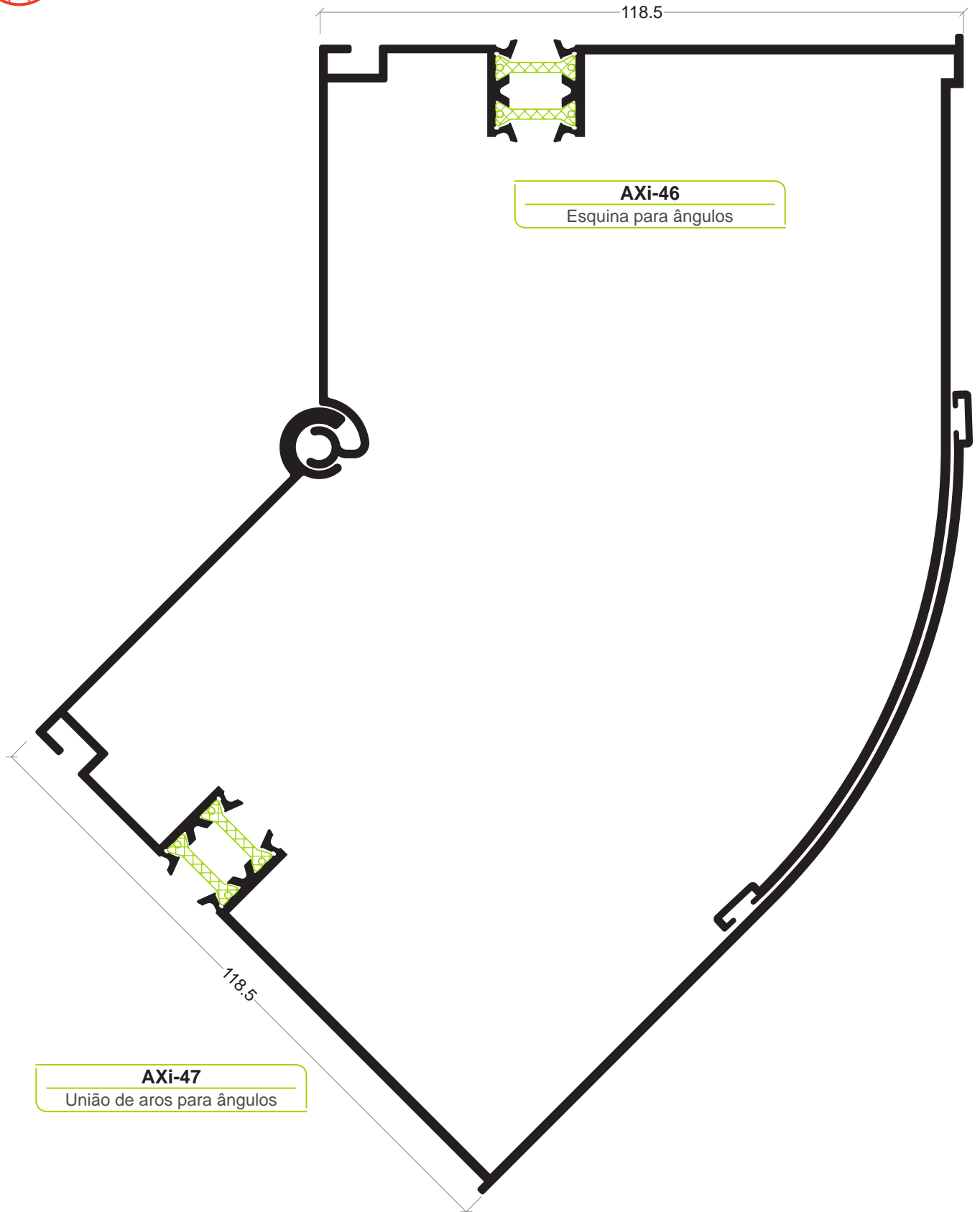
AXi-11
Pré-aro com calha estore

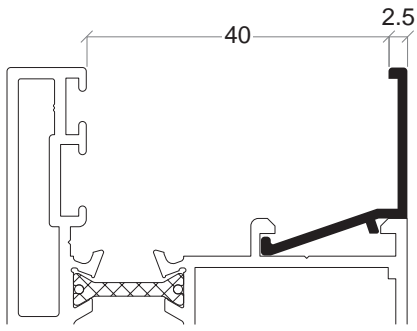


AXi-93
Pré-aro com calha estore

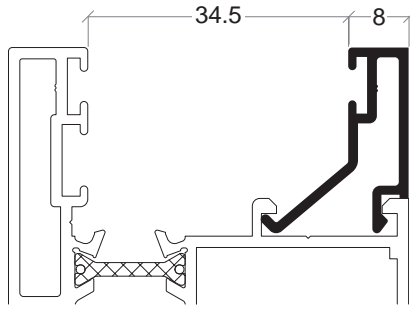


AXi-94
Pré-aro com calha estore

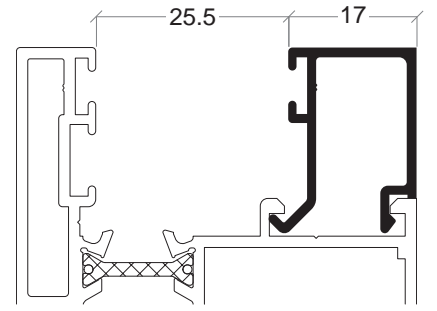




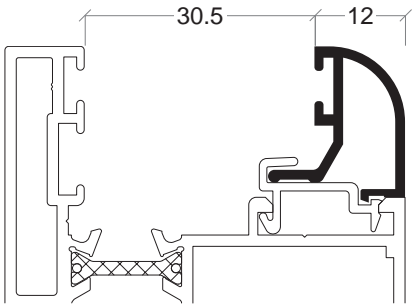
AX-69



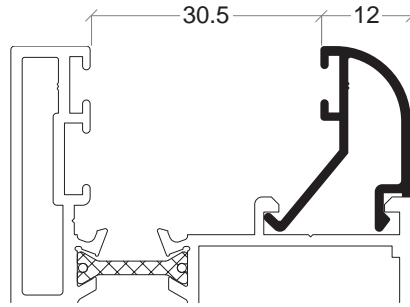
AX-74



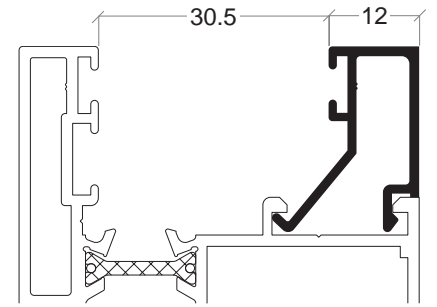
AX-46



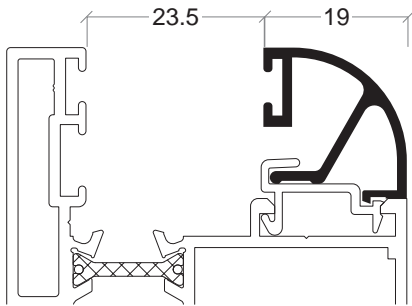
AX-37



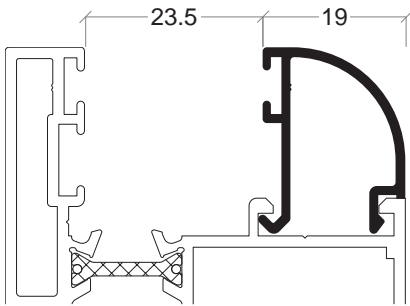
AZ-08



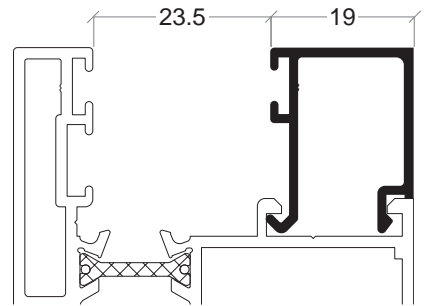
AX-36



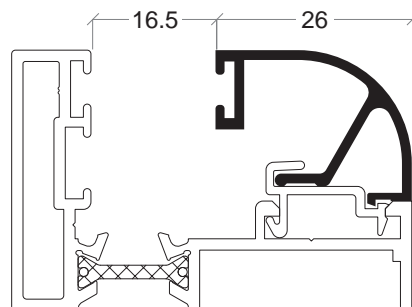
AX-30



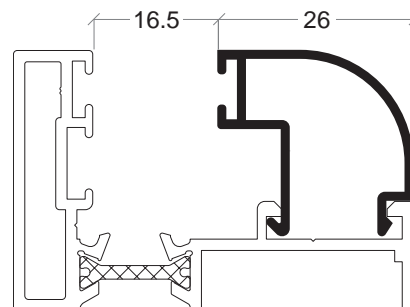
AZ-07



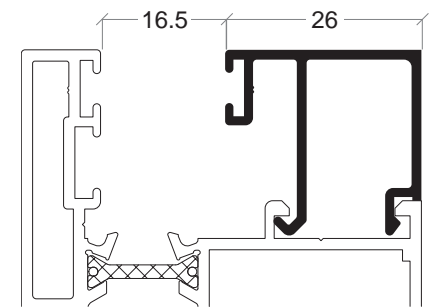
AX-35



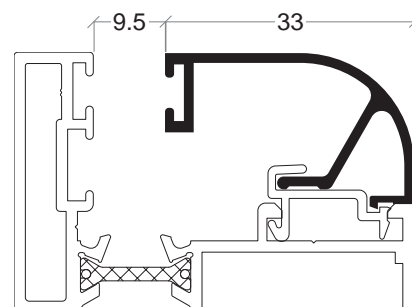
AX-29



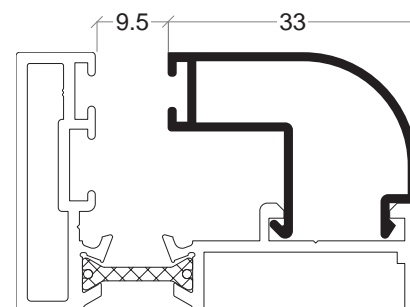
AZ-06



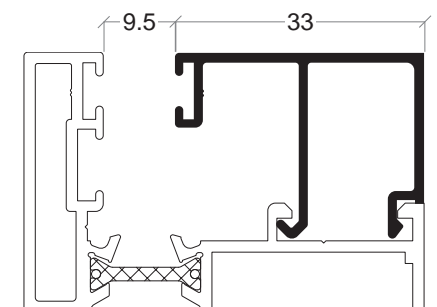
AX-31



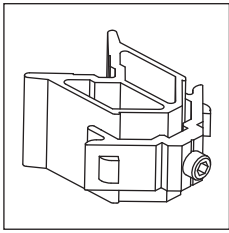
AX-39



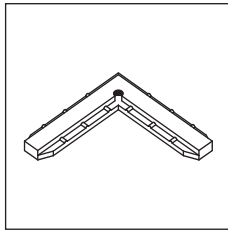
AZ-28



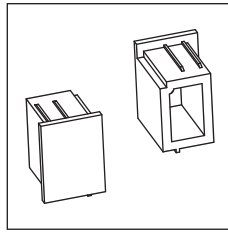
AX-34


30 20 30 09

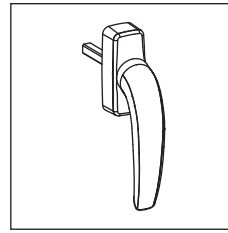
Esquadro móvel pivotante


30 21 20 07

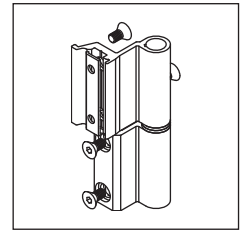
Esquadro de alinhamento


30 91 21 20

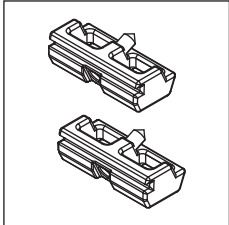
Jogo topos condensação Y-20


30 91 41 47/48

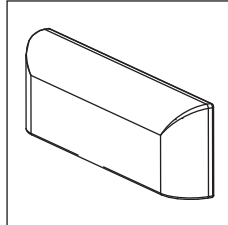
Cremone pivotante especial branco/preto


30 92 00 20/21

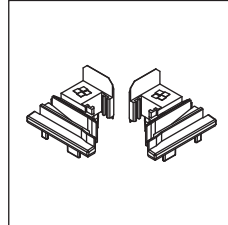
Dobradiça C.E. branco/preto


30 92 00 50

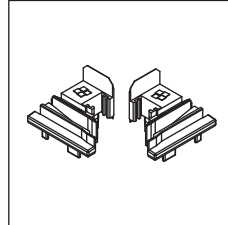
Complemento fecho


30 92 01 00/01

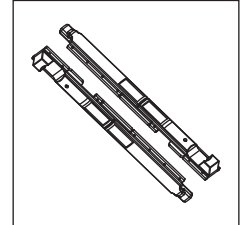
Goteiras branco/preto


30 92 01 12

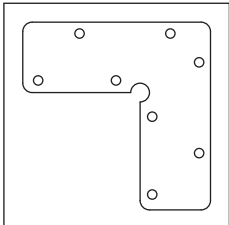
Jogo topos inversor poliamida em T AXi-04


30 92 01 13

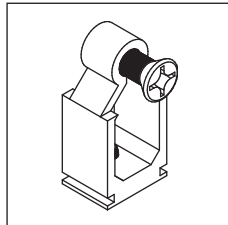
Jogo topos inversor AXi-04


30 92 01 20

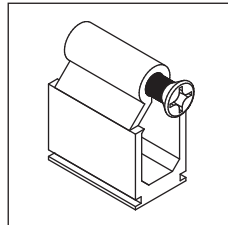
Jogo fecho C.E.


30 92 01 35

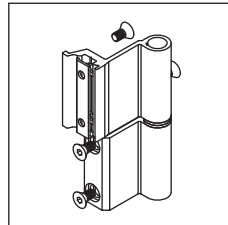
Esquadro alinhamento


30 92 01 40

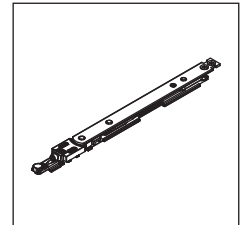
União topos janela


30 92 01 50

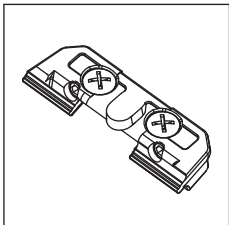
União topos porta


30 92 01 70/80

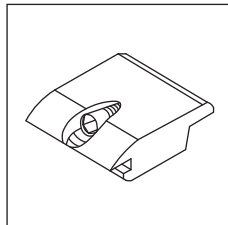
Dobradiça 3 folhas branco/preto


30 92 02 10/11/12

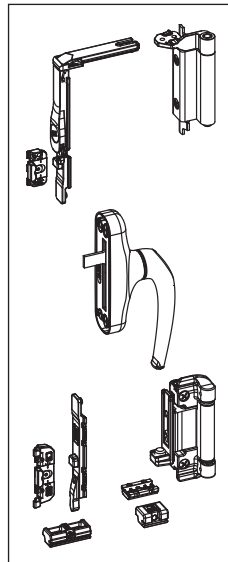
Compasso oscilo 300/400/500


30 92 02 15

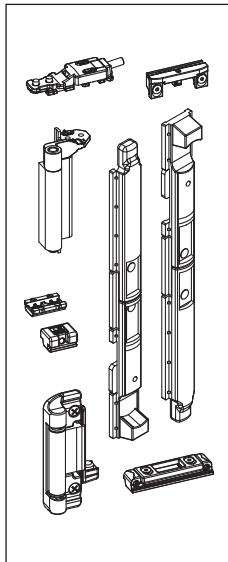
Fecho para micro-ventilação


30 92 02 60

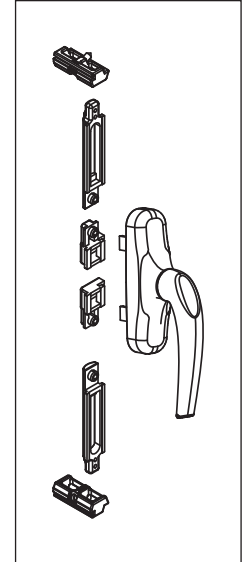
Apoio da folha


30 92 02 20/21

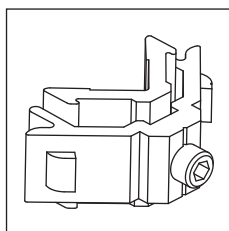
Kit oscilbatente branco/preto


30 92 02 24/25

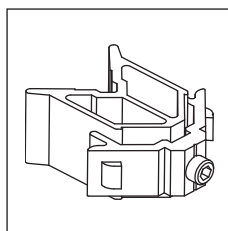
Kit 2ª folha oscilbatente branco/preto


30 92 03 10/11

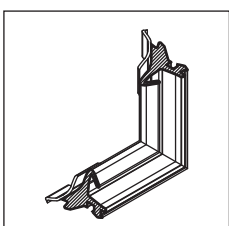
Kit cremone branco/preto


30 92 03 80

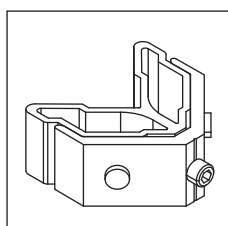
Esquadro janela


30 92 03 90

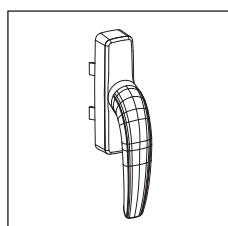
Esquadro porta


30 92 03 96

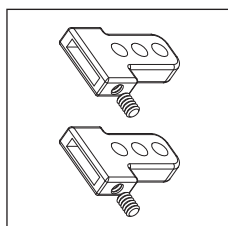
Canto vulcanizado


30 92 04 10

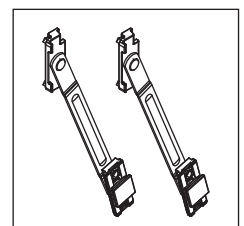
Esquadro janela abertura exterior


30 92 04 50

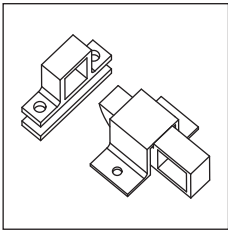
Cremone abertura exterior


30 92 04 60

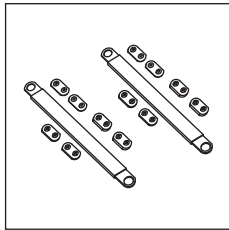
Jogo de transmissão abertura exterior


30 92 04 75

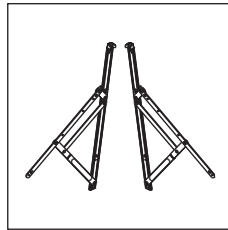
Jogo compasso basculante


30 92 04 76/77

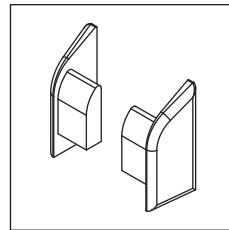
Fecho clack (branco/preto)


30 92 04 85

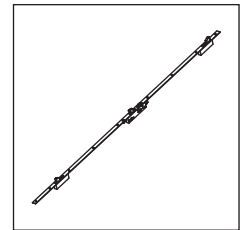
Jogo compasso


30 92 04 90

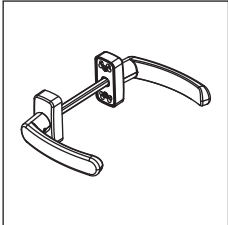
Compasso SEN-550 (até 70kg/folha)


30 92 05 00

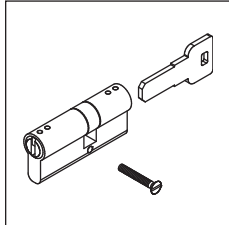
Jogo topos


30 92 05 10

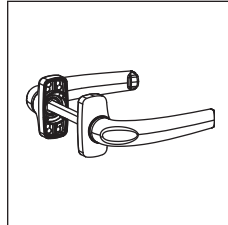
Fechadura 3 pontos 35 mm


30 92 05 15

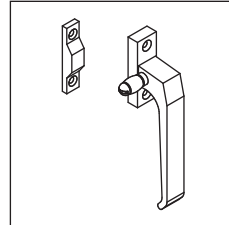
Fecho de alavanca com 5 pontos de fecho


30 92 05 40

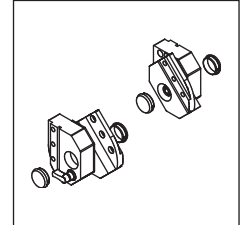
Canhão fechadura


30 92 05 60/61

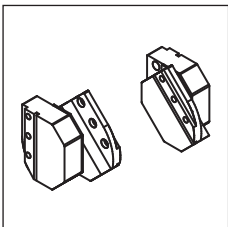
Puxador duplo branco/preto


30 92 06 10/11

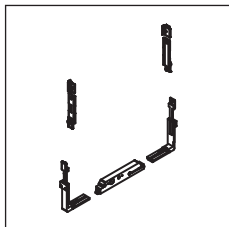
Cremone de lingueta branco/preto


30 92 07 10/11

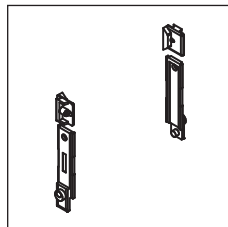
Jogo pivotante 60kg preto/branco


30 92 07 14/15

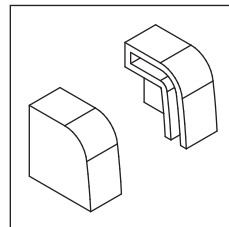
Jogo pivotante vertical/horizontal especial AXi (130 kg)


30 92 07 16

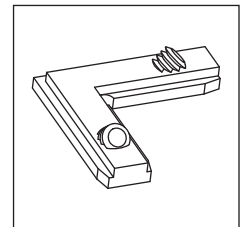
Fecho perimetral pivotante especial


30 92 07 17

Fecho suplementar pivotante especial

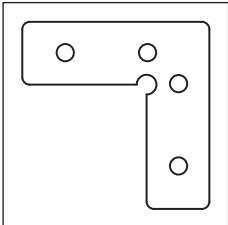

30 96 00 12

Jogo topos condensação

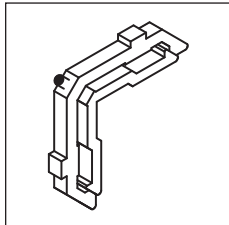

30 96 00 15

Esquadro de alinhamento

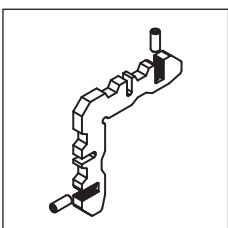
22


30 96 00 28

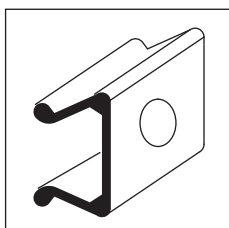
Esquadro alinhamento especial AXi-07/10/27/53/65/66


30 96 00 38

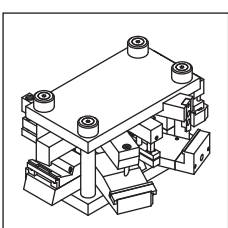
Esquadro alinhamento exterior


30 96 00 45

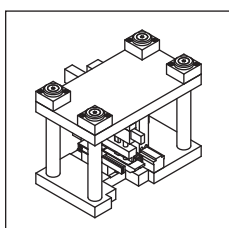
Esquadro alinhamento exterior com parafusos


31 03 40 00

Mola para AZ-60


33 96 79 99

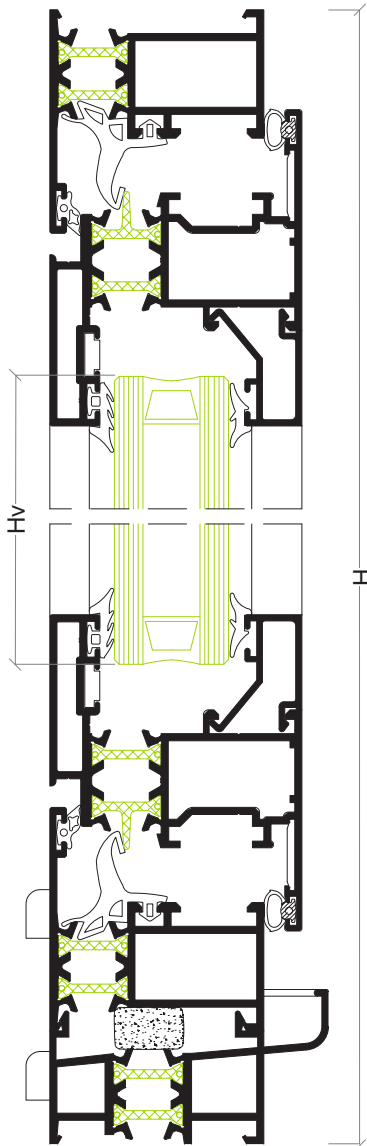
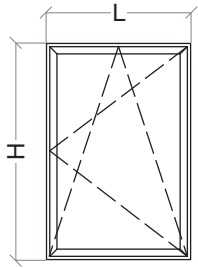
Cunho C.E.


33 96 87 99

Cunho esquadros interior/exterior

Referência	Desenho	Descrição
30 00 95 01		Junta exterior abertura pivotante
30 00 95 15		Junta vedação inferior curta
30 20 30 05		Junta isolante AXi
30 20 30 08		Junta central abertura pivotante
30 25 44 15		Junta tapa canal
30 60 00 17		Junta exterior vidro plana 2 mm preto
30 92 04 70		Espuma isolante
30 93 00 20		Junta de remate AZ-69
30 93 00 50		Junta central
30 93 00 60		Vedante exterior do vidro (opcional)
30 93 00 61		Junta de vedação exterior
30 93 00 62		Junta exterior plana
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 00 70		Vedante interior do vidro (opcional)
30 93 00 80		Junta de vedação inferior AXi-42
30 93 00 82		Junta de vedação inferior
30 93 00 90		Junta exterior
30 93 01 10		Junta central poliamida em T
30 93 01 20		Junta interior
30 93 01 30		Junta exterior (abertura exterior/projectante)
30 95 00 10		Pelúcia 7x9 mm
30 95 00 40		Pelúcia 7x5.5 mm

Janela 1 folha abrir e oscilo-batente



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	AXi-03	Aro fixo		2	L
				2	H-24 mm
	AXi-64	Aro móvel		2	L-42 mm
				2	H-66 mm
	AXi-57	Soleira condensação		1	L
	AX-19	Vareta		1+1	Apro. L+H
	---	Bite		2	L-135 mm
				2	H-199 mm

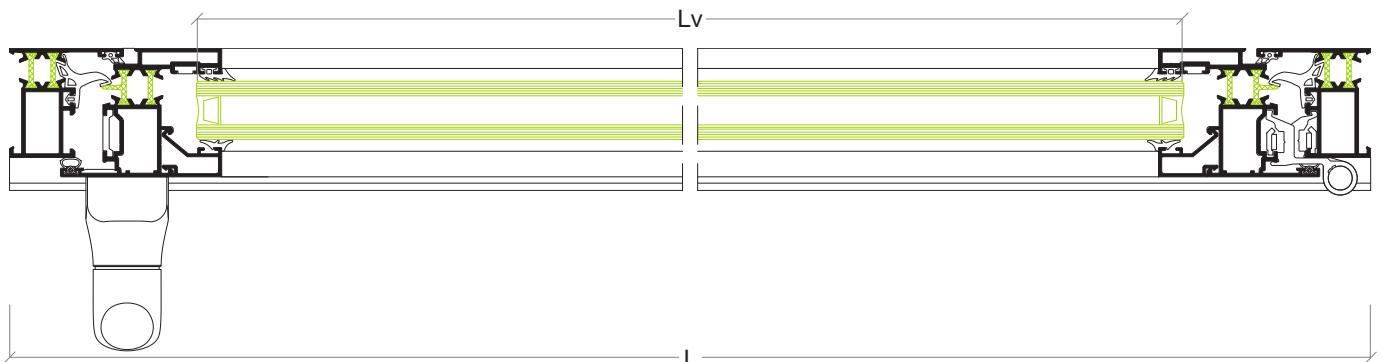
Acessórios e Juntas

Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 92 00 20	Dobradiças C.E.	2	---
30 92 01 00	Goteiras	4	4
30 92 01 35	Esquadro alinhamento aro móvel	4	4
30 92 02 (xx)	Compasso O.B.	---	1
30 92 02 20	Kit oscilo-batente	---	1
30 92 02 60	Apoio da folha	1	---
30 92 03 10	Kit cremone	1	---
30 92 03 80	Esquadro janela	8	8
30 96 00 12	Jogo topos condensação	1	1
30 96 0015	Esquadro alinhamento móvel	4	4
30 92 03 96	Canto vulcanizado	4	4
30 92 04 70	Espuma isolante	L	L
30 93 00 90	Junta exterior	2L+2H	
30 93 01 10	Junta central	2L+2H	
30 93 01 20	Junta interior	2L+2H	
---	Junta exterior vidro	2L+2H	
---	Junta interior vidro	2L+2H	

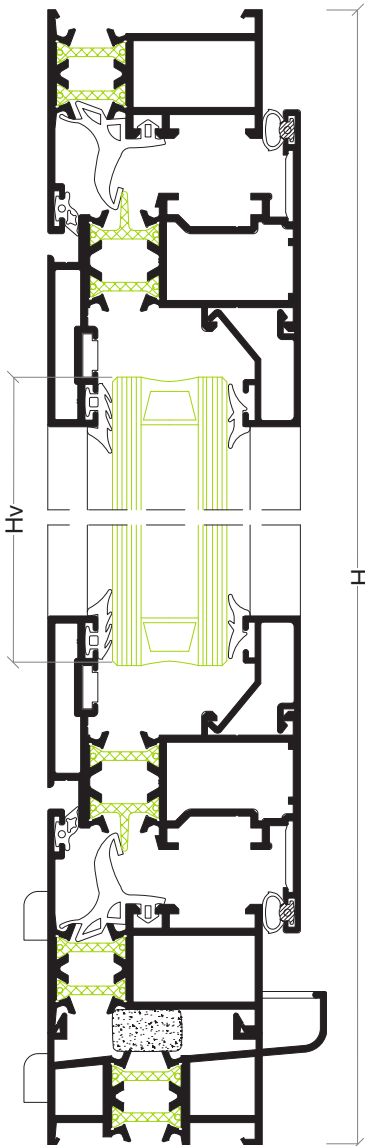
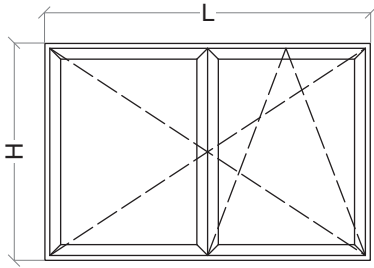
23

Vidro

Hv = H-174 mm	Lv = L-149 mm
---------------	---------------



Janela 2 folhas abrir e oscilo-batente



Perfis

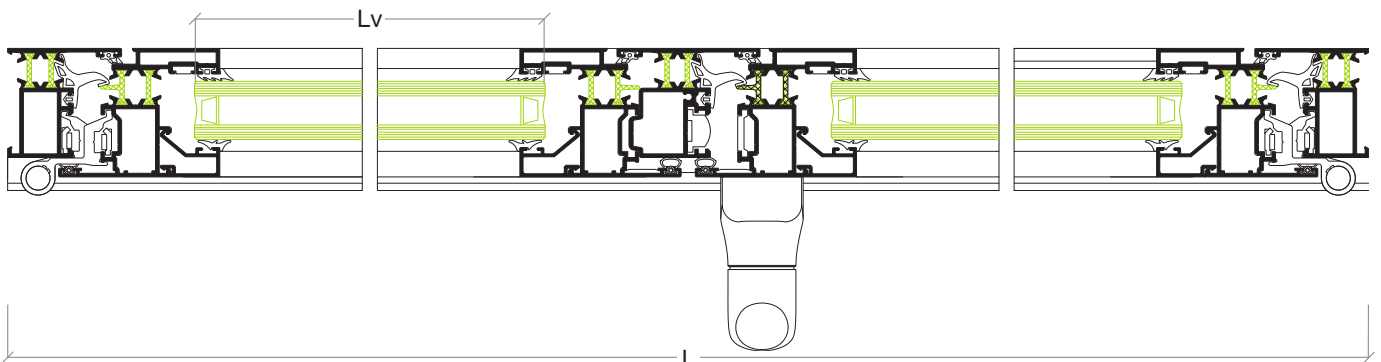
Desenho	Ref	Descrição	Corte	Quant	Medida
	AXi-03	Aro fixo		2	L
				2	H-24 mm
	AXi-64	Aro móvel		4	L/2-24 mm
				4	H-66 mm
	AXi-57	Soleira condensação		1	L
	AX-19	Vareta		1+1	Apro. L+H
	---	Bite		4	L/2-117 mm
				4	H-199 mm
	AXi-04	Inversor		1	H-134 mm

Acessórios e Juntas

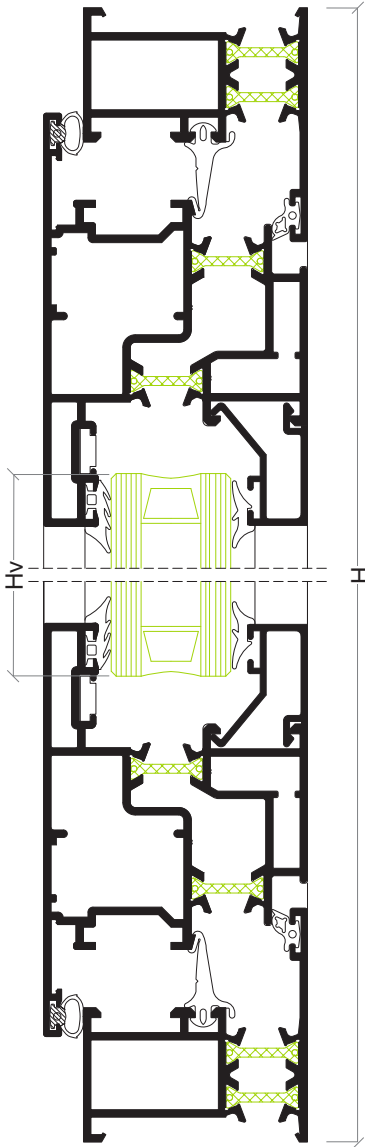
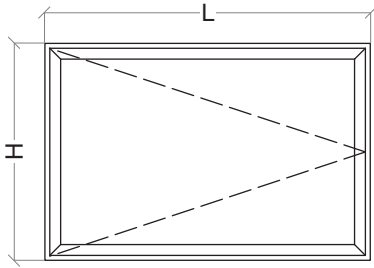
Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 92 00 20	Dobradiças C.E.	4	---
30 92 01 00	Goteiras	4	4
30 92 01 20	Jogo fecho C.E.	1	---
30 92 01 35	Esquadro alinhamento aro móvel	8	8
30 92 02 (xx)	Compasso O.B.	---	1
30 92 02 20	Kit oscilo-batente	---	1
30 92 02 24	Kit 2ª folha oscilo-batente	---	1
30 92 02 60	Apoio da folha	1	---
30 92 03 10	Kit cremone	1	---
30 92 03 80	Esquadro janela	12	12
30 92 01 12	Jogo topos inversor	1	1
30 96 00 12	Jogo topos condensação	1	1
30 96 00 15	Esquadro alinhamento móvel	8	8
30 92 03 96	Canto vulcanizado	4	4
30 92 04 70	Espuma isolante	L	L
30 93 00 90	Junta exterior	2L+4H	
30 93 01 10	Junta central	2L+3H	
30 93 01 20	Junta interior	2L+4H	
---	Junta exterior vidro	2L+4H	
---	Junta interior vidro	2L+4H	

Vidro

Hv = H-174 mm	Lv = L/2-131 mm
---------------	-----------------



Janela 1 folha abertura exterior



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	AXi-03	Aro fixo		2	L
				2	H
	AXi-60	Aro móvel abertura exterior		2	L-42 mm
				2	H-42 mm
	AX-19	Vareta		1	H
	---	Bite		2	L-168 mm
				2	H-208 mm

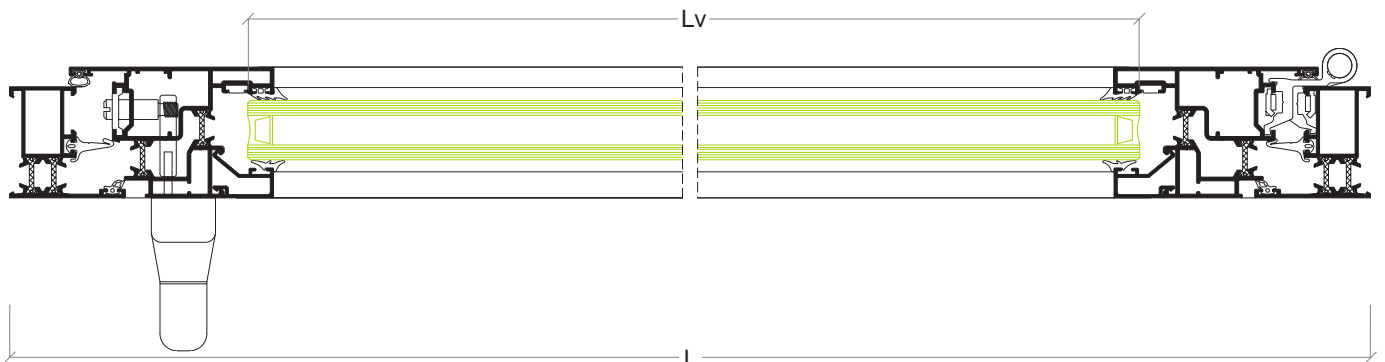
Acessórios e Juntas

Referência	Descrição	Quantidade
30 92 00 20	Dobradiças C.E.	2
30 92 02 60	Apoio da folha	1
30 92 04 50	Cremona abertura exterior	1
30 92 03 80	Esquadro janela	8
30 96 00 15	Esquadro alinhamento móvel	4
30 92 04 60	Jogo de transmissão abertura exterior	1
30 92 01 35	Esquadro alinhamento	4
30 96 00 38	Esquadro interno móvel	4
30 93 00 50	Junta central (opcional)	2L+2H
30 93 00 90	Junta exterior	2L+2H
30 93 01 20	Junta interior	2L+2H
---	Junta exterior vidro	2L+2H
---	Junta interior vidro	2L+2H

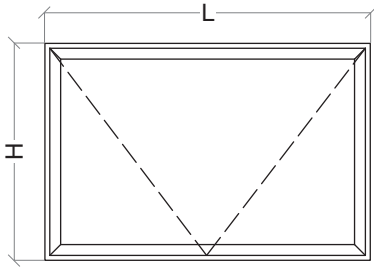
25

Vidro

Hv = H-182 mm	Lv = L-182 mm
---------------	---------------

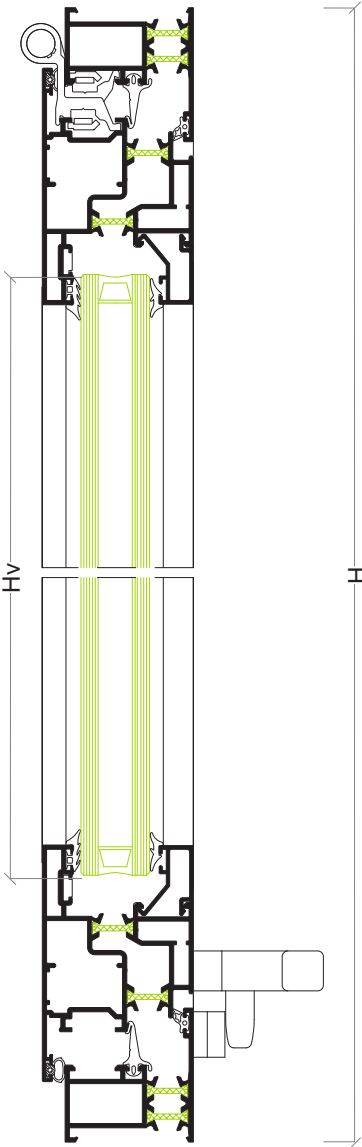


Janela 1 folha projectante



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	AXi-03	Aro fixo		2	L
				2	H
	AXi-60	Aro móvel abertura exterior		2	L-42 mm
				2	H-42 mm
	---	Bite		2	L-168 mm
				2	H-208 mm



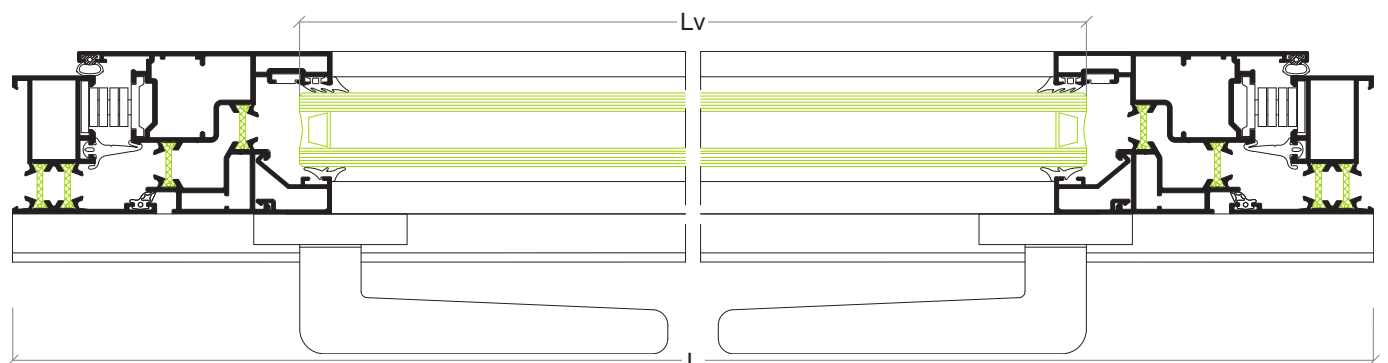
Acessórios e Juntas

Referência	Descrição	Quantidade
30 92 03 80	Esquadro janela	8
30 92 04 85	Jogo compasso	1
30 92 06 10	Cremone de lingueta	2
30 96 00 15	Esquadro alinhamento móvel	4
30 92 01 35	Esquadro alinhamento	4
30 96 00 38	Esquadro interno móvel	4
30 93 00 50	Junta central (opcional)	2L+2H
30 93 00 90	Junta exterior	2L+2H
30 93 01 20	Junta interior	2L+2H
30 92 00 20	Dobradiças CE	2
---	Junta exterior vidro	2L+2H
---	Junta interior vidro	2L+2H

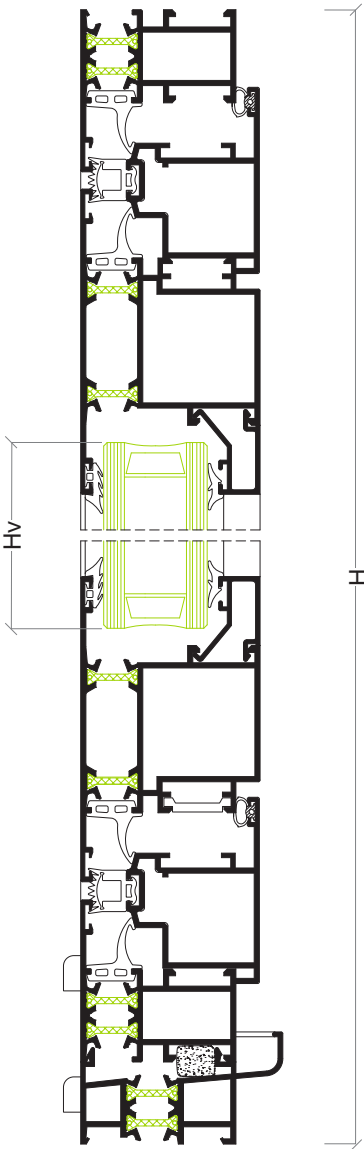
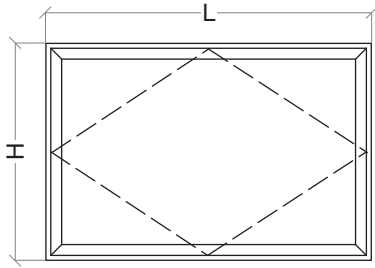
26

Vidro

Hv = H-182 mm	Lv = L-182 mm
---------------	---------------



Janela pivotante horizontal



Perfis

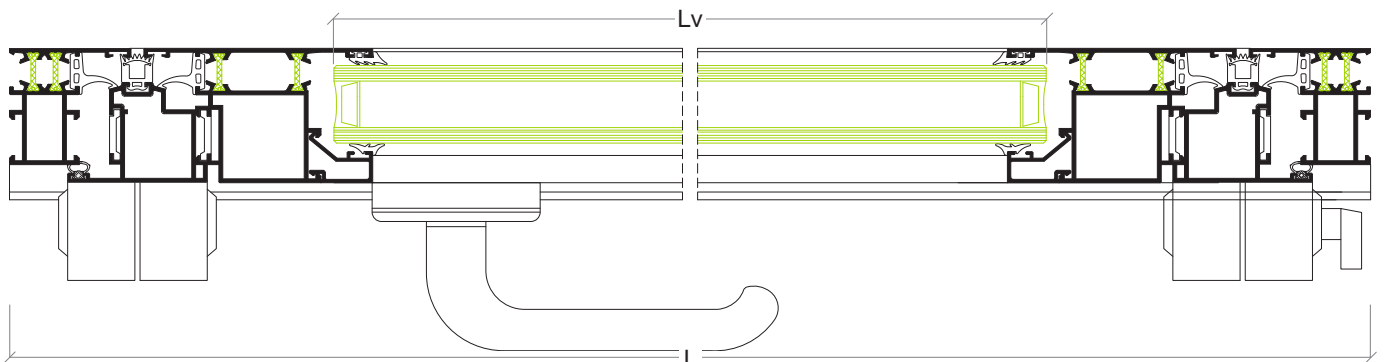
Desenho	Ref	Descrição	Corte	Quant	Medida
	AXi-38	Aro fixo		2	L
				2	H-24 mm
	AXi-40	Aro móvel		2	L-104 mm
				2	H-128 mm
	AXi-41	Inversor		2	L-45 mm
				2	H/2-12 mm
				2	H/2+12 mm
	AXi-57	Soleira condensação		1	L
	---	Bite		2	L-241 mm
				2	H-305 mm

Acessórios e Juntas

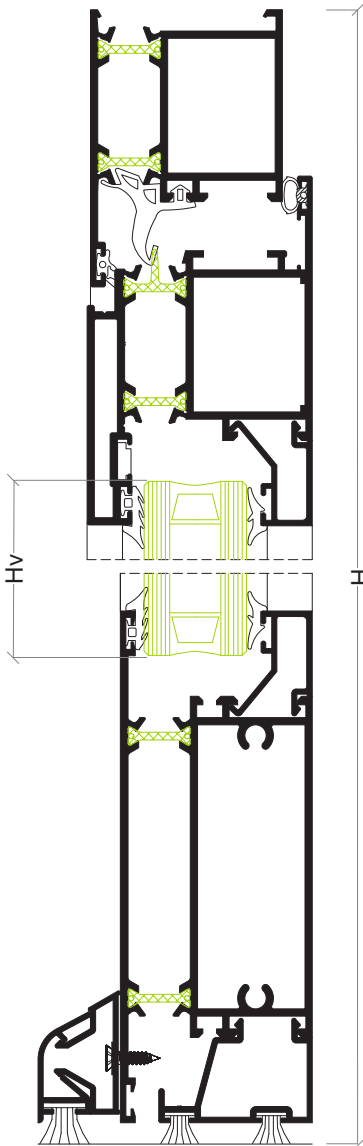
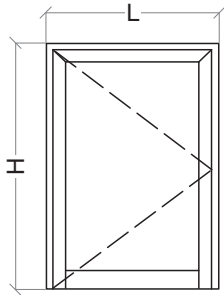
Referência	Descrição	Quantidade
30 20 30 09	Esquadro móvel	4
30 92 01 00	Goteiras	4
30 92 03 80	Esquadro janela	4
30 92 04 10	Esquadro inversor pivotante	4
30 92 07 10	Jogo pivotante	1
30 92 06 11	Cremona de lingueta	2
30 96 00 12	Jogo topos condensação	1
30 92 04 70	Espuma isolante	L
30 00 95 01	Junta exterior	2L+2H
30 20 30 08	Junta central	4L+4H
30 93 01 20	Junta interior	2L+2H
---	Junta exterior vidro	2L+2H
---	Junta interior vidro	2L+2H

Vidro

Hv = H-279 mm	Lv = L-255 mm
---------------	---------------



Porta 1 folha



Perfis

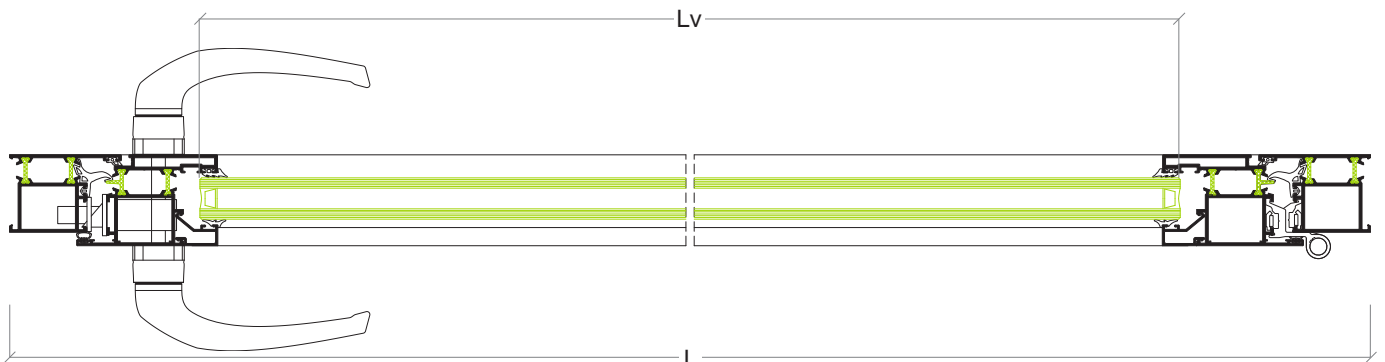
Desenho	Ref	Descrição	Corte	Quant	Medida
	AXi-08	Aro fixo		1	L
				2	H
	AXi-65	Aro móvel		1	L-78 mm
				2	H-44 mm
	AXi-12	Travessa		1	L-193 mm
	AX-15	Bite remate		1	L-202 mm
	---	Bite		2	L-202 mm
				2	H-246 mm
	AZ-60	Pingadeira		1	L-145 mm
	AZ-61	Clip pingadeira		1	L-242 mm

Acessórios e Juntas

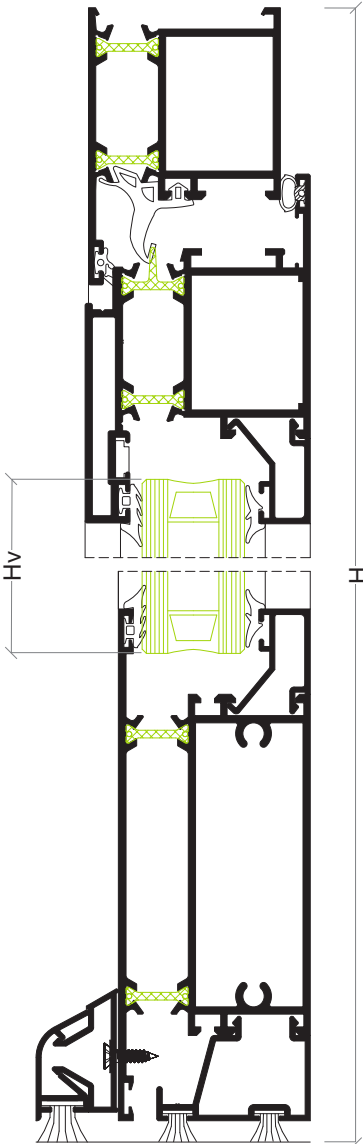
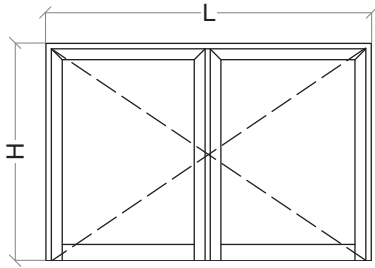
Referência	Descrição	Quantidade
30 92 00 20	Dobradiças C.E.	3
30 92 03 90	Esquadro porta	4
30 92 05 10	Fechadura 3 pontos	1
30 92 05 40	Canhão fechadura	1
30 92 05 60	Puxador duplo	1
30 96 00 15	Esquadro alinhamento móvel	2
30 92 05 00	Jogo topos	1
30 92 03 96	Canto vulcanizado	2
30 96 00 28	Esquadro alinhamento	2
30 93 00 90	Junta exterior	1L+2H
30 93 01 10	Junta central	1L+2H
30 93 01 20	Junta interior	1L+2H
30 95 00 10	Pelúcia 7x9 mm	2L
---	Junta exterior vidro	2L+2H
---	Junta interior vidro	2L+2H

Vidro

Hv = H-220 mm	Lv = L-216 mm
---------------	---------------



Porta 2 folhas



Perfis

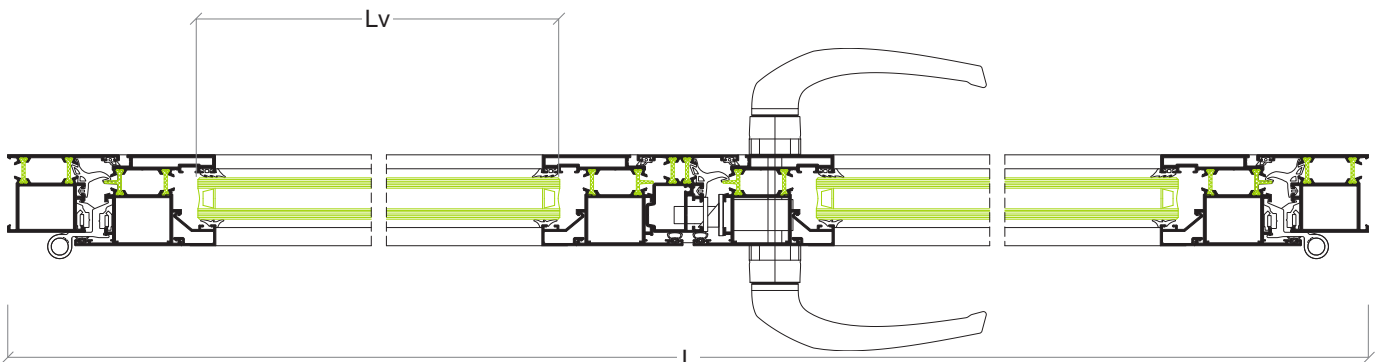
Desenho	Ref	Descrição	Corte	Quant	Medida
	AXi-08	Aro fixo		1	L
				4	H
	AXi-65	Aro móvel		2	L/2-42 mm
				4	H-44 mm
	AXi-04	Inversor		1	H-78 mm
	AXi-12	Travessa		2	L/2-157 mm
	AX-15	Bite remate		2	L/2-166 mm
	---	Bite		4	L/2-166 mm
				4	H-246 mm
	AZ-60	Pingadeira		1	Aprox. L/2
				1	Aprox. L/2
	AZ-61	Clip pingadeira		2	L/2-206 mm

Acessórios e Juntas

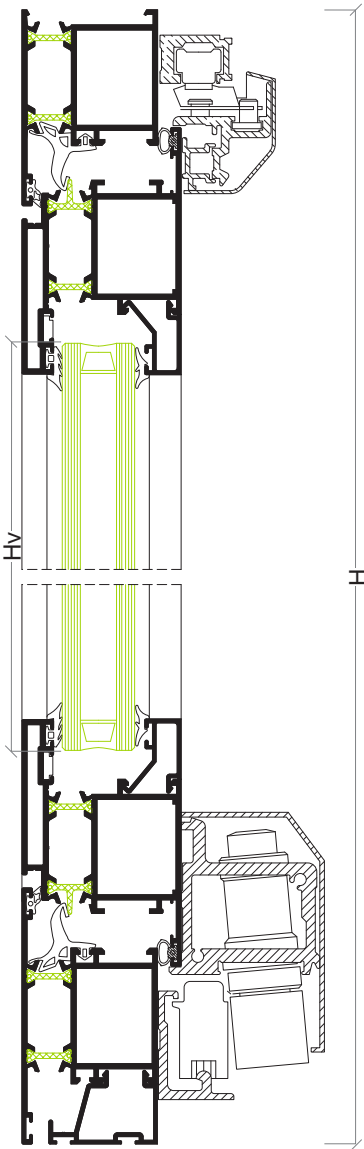
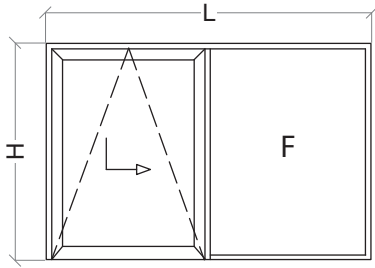
Referência	Descrição	Quantidade
30 92 00 20	Dobradiças C.E.	6
30 92 01 12	Jogo topos inversor	1
30 92 01 20	Jogo fecho C.E.	1
30 92 03 90	Esquadro porta	6
30 92 05 10	Fechadura 3 pontos	1
30 92 05 40	Canhão fechadura	1
30 92 05 60	Puxador duplo	1
30 96 00 15	Esquadro alinhamento móvel	4
30 92 05 00	Jogo topos	1
30 92 03 96	Canto vulcanizado	2
30 96 00 28	Esquadro alinhamento	2
30 93 00 90	Junta exterior	1L+4H
30 93 01 10	Junta central	1L+3H
30 93 01 20	Junta interior	L+4H
30 95 00 10	Pelúcia 7x9 mm	2L
---	Junta exterior vidro	2L+2H
---	Junta interior vidro	2L+2H

Vidro

Hv = H-220 mm	Lv = L-180 mm
---------------	---------------



Porta oscilo-paralela com fixo lateral



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	AXi-08	Aro fixo		1	L
				2	H
	AXi-65	Aro móvel		2	L1-56 mm
				2	H-98 mm
	AXi-06	Travessa		1	L-81 mm
				1	H-101mm
	AX-15	Bite remate		1	L-90 mm
	AX-19	Vareta		1+1	Apro. L+H
	---	Bite (folha)		2	L1-180 mm
				2	H-262 mm
	---	Bite (fixo)		2	L2-67.5 mm
				2	H-150 mm

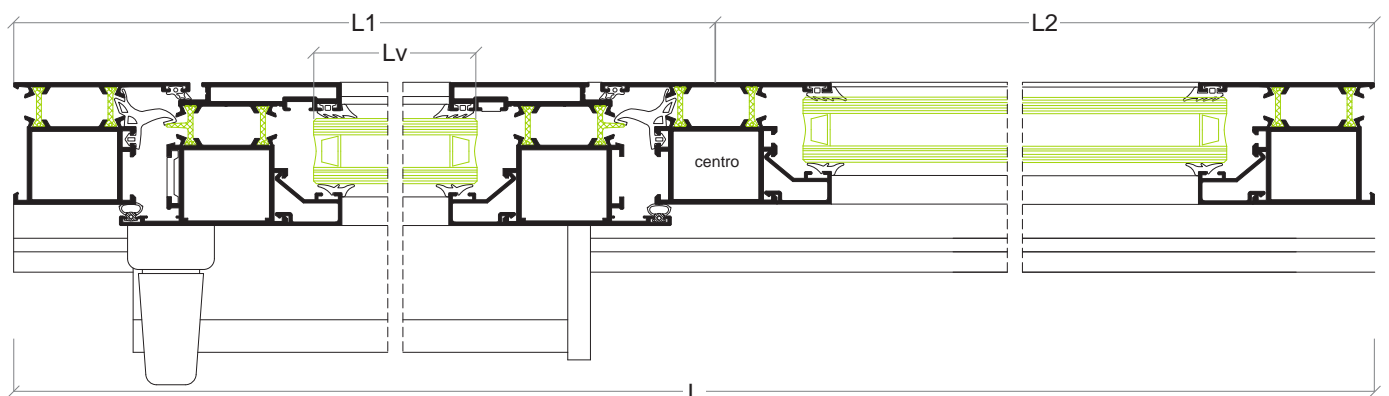
Acessórios e Juntas

Referência	Descrição	Quantidade
30 92 01 00	Goteiras	4
30 92 01 50	União topos porta	2
30 92 03 90	Esquadro porta	6
30 96 00 15	Esquadro alinhamento móvel	4
---	Kit oscilo-paralela	1
30 92 03 96	Canto vulcanizado	4
30 96 00 28	Esquadro alinhamento	4
30 93 00 90	Junta exterior	2L1+2H
30 93 01 10	Junta central	2L1+2H
30 93 01 20	Junta interior	2L1+2H
---	Junta exterior vidro	2L+2H
---	Junta interior vidro	2L+2H

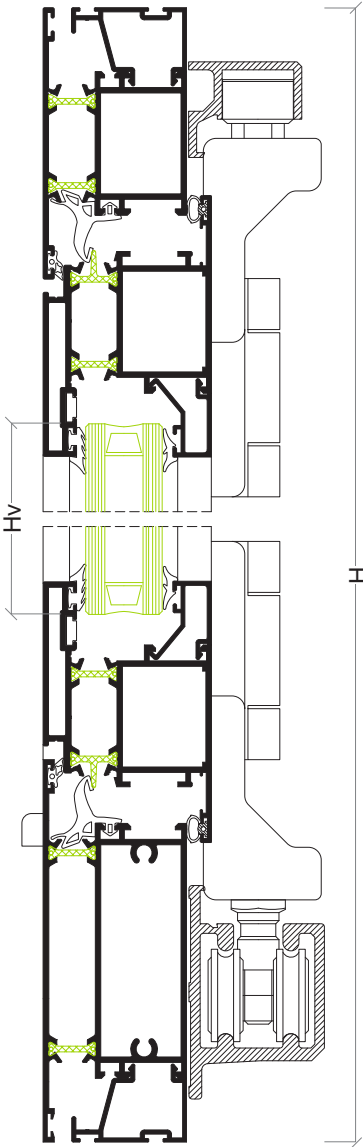
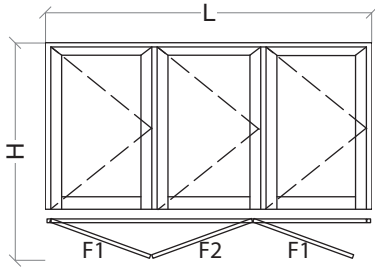
	Mínimo	Máximo
Largura da folha	700 mm	1650 mm
Altura da folha	850 mm	2400 mm
Peso máximo por folha 150 kg		

Vidro

Hv folha = H-236 mm	Lv folha = L1-193 mm
Hv fixo = H-124 mm	Lv fixo = L2-81 mm



Porta 3 folhas harmónio



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	AXi-08	Aro fixo		2	H
	AXi-06	Travessa		1	L-81 mm
	AX-12	Travessa		1	L-81 mm
	AXi-65	Aro móvel		6	(consultar)
				6	(consultar)
	AXi-04	Inversor		2	(consultar)
	AX-15	Bite remate		2	L-90 mm
	AX-19	Vareta		2	2H
	---	Bite		6	(consultar)
				6	(consultar)

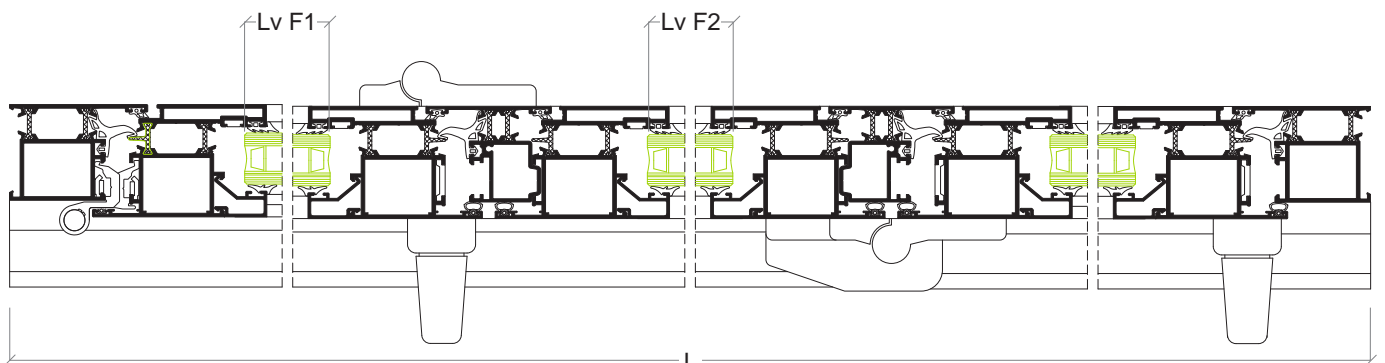
Acessórios e Juntas

Referência	Descrição	Quantidade
30 92 01 50	União topo porta	2
30 92 01 00	Goteiras	6
30 92 01 12	Jogo topos inversor	2
30 92 03 90	Esquadro porta	12
---	Kit harmónio (3+0)	1
30 92 01 20	Jogo fecho C.E.	1
30 92 03 96	Canto vulcanizado	4
30 96 00 28	Esquadro alinhamento	12
30 96 00 15	Esquadro móvel exterior	12
30 93 00 90	Junta exterior	2L+6H
30 93 01 10	Junta central	2L+4H
30 93 01 20	Junta interior	2L+6H
---	Junta exterior vidro	2L+6H
---	Junta interior vidro	2L+6H

	Mínimo	Máximo
Largura da folha	600 mm	900 mm
Altura da folha	850 mm	2400 mm
Peso máximo por folha 80 kg		

Vidro

Hv = consultar	Lv F1 = consultar
	Lv F2 = consultar

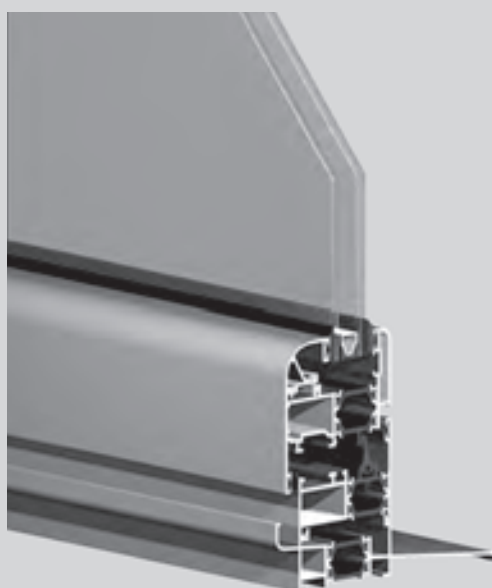




www.dineru.com



1



Sistema

ATi

Sistema ATi

Sistema de batente com RPT - 55 mm

Características do sistema

Sistema de batente com rotura térmica e de elevadas prestações térmicas e acústicas.

O sistema ATi possibilita a execução de 4 versões de caixilharia:

1. linha recta;
2. linha curva;
3. linha tradição;
4. linha oval.

O sistema ATi permite a aplicação de vidros duplos de alto rendimento de modo a responder às exigências de isolamento térmico e acústico.

Perfis de alumínio

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

Perfis com rotura térmica obtida por inserção de varetas isolantes de poliamida tipo ómega de 24 mm reforçadas com 25% de fibra de vidro.

Espessura média dos perfis de alumínio de 1.5 mm para janelas e de 1.7 mm para portas;

Aros fixos

Secção dos aros fixos de 55 mm ou 80 mm;

Aros fixos com esquadro para montagem a meia esquadria;

Aros fixos tradicionais para mercado interno;

Aros fixos com clip exterior e aba de remate directa de 25 mm ou 45 mm para o mercado francês;

Aros fixos com clip exterior e interior para aplicação de remate de 30 mm para o mercado francês.

Aros móveis

Secção dos aros móveis de 63 mm;

Enchimento para vidro simples ou duplo de 4 mm a 47 mm;

Aros móveis de linha recta, curva, tradição ou oval (sem bite);

Aros móveis com esquadro para montagem a meia esquadria;

Perfil inversor de linha recta.

Dimensionamento e manobralidade

Dimensões mínimas - máximas de folha: 400 mm - 1500 mm (L); 400 mm - 2700 mm (H);

Possibilidades de abertura: fixo, batente interior 1 ou 2 folhas com oscilo-batente, exterior, basculante, projectante, harmónio e oscilo-paralela;

Estanquidade assegurada através de juntas triplas em EPDM.

Performances

Sistema certificado por laboratório notificado para 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 ATi tipologia janela:

1. Permeabilidade ao ar: Classe 4 (norma de ensaio EN 1026)
2. Estanquidade à água: Classe 9A (norma de ensaio EN 1027)
3. Resistência ao vento: Classe C5 (norma de ensaio EN 12211)

Categorias alcançadas na avaliação do sistema ATi tipologia porta:

1. Permeabilidade ao ar: Classe 4 (norma de ensaio EN 1026)
2. Estanquidade à água: Classe E750 (norma de ensaio EN 1027)
3. Resistência ao vento: Classe C2 (norma de ensaio EN 12211)
4. Resistência à torção estática: Apto 350N (norma de ensaio EN 14609)

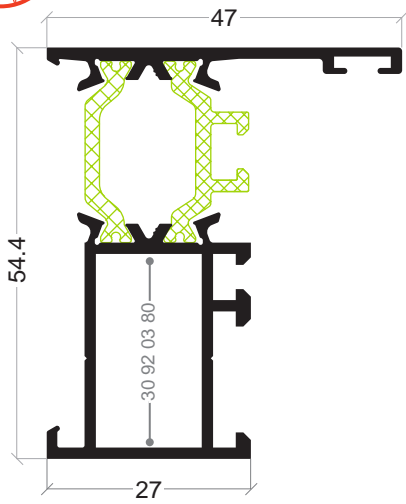
Coefficiente de transmissão térmica de vão de 2 folhas com 1.20 m x 1.50 m com vidro $U_g = 0.7 \text{ W/m}^2\text{K}$, com intercalar efeito "Warm Edge":

• $U_w = 1.57 \text{ W/m}^2\text{K}$

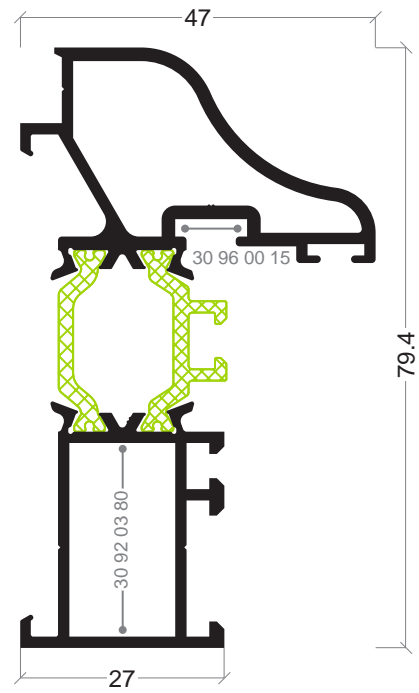
Coefficiente de atenuação acústica de vão de 2 folhas com vidro 4/14 (gás árgon)/6:

• $R_w (C; C_{tr}) = 34 \text{ dB} (-1; -4)$

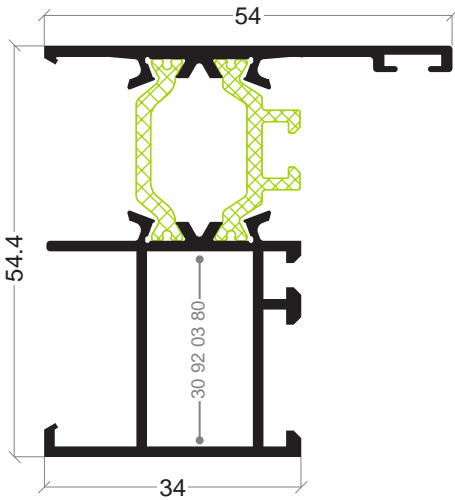
Zonas de aplicação segundo RCCTE (em função do valor U_g): I1, I2, I3, V1, V2, V3.



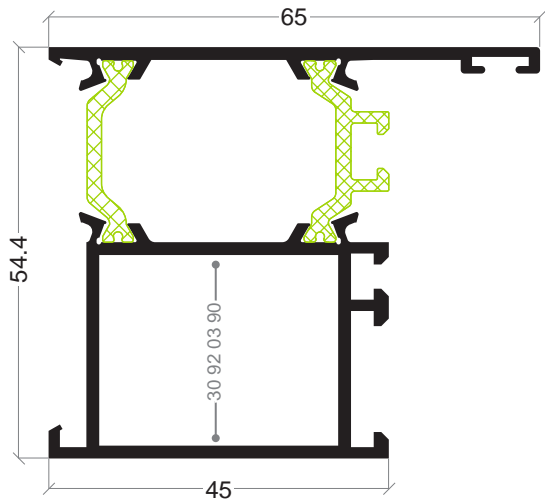
ATi-03
Aro fixo



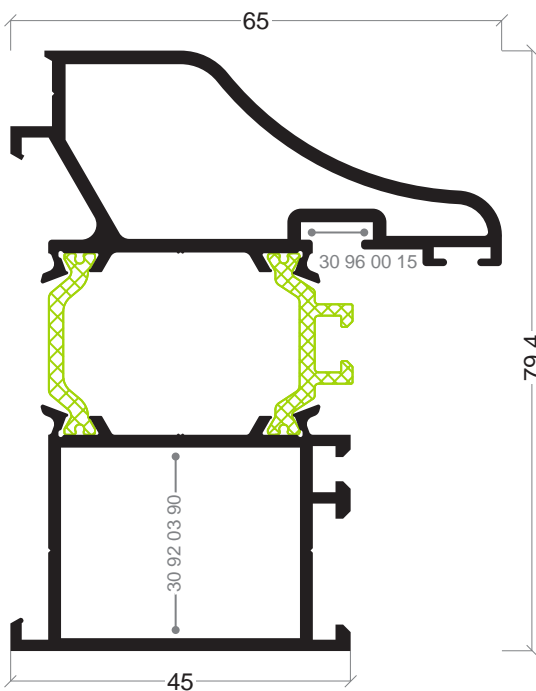
ATi-49
Aro fixo



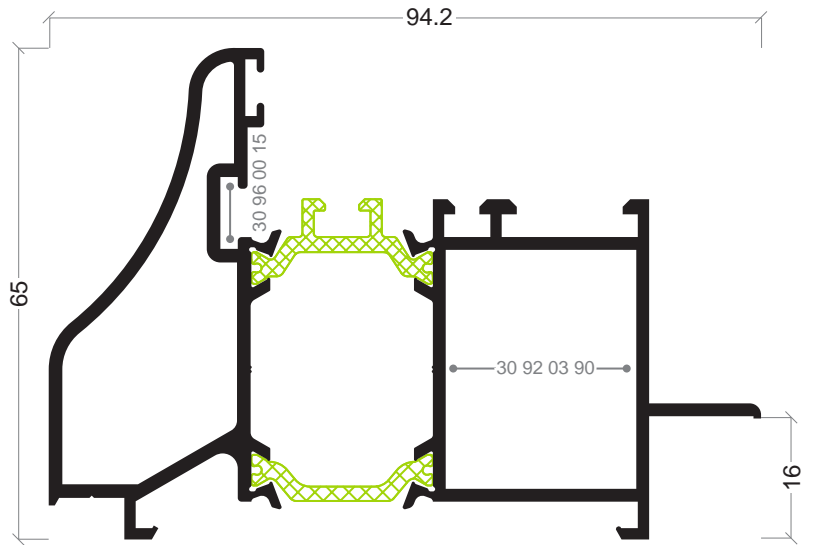
ATi-81
Aro fixo



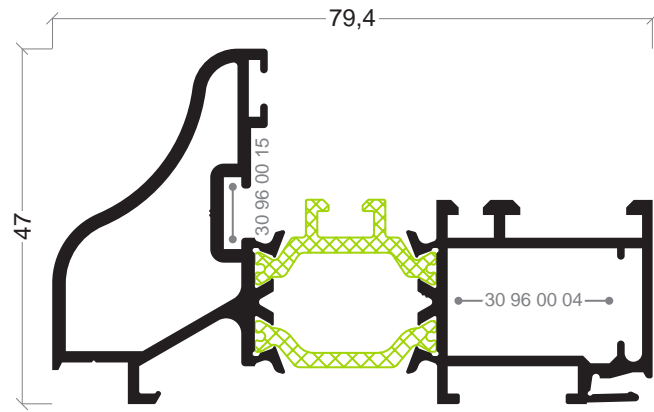
ATi-08
Aro fixo



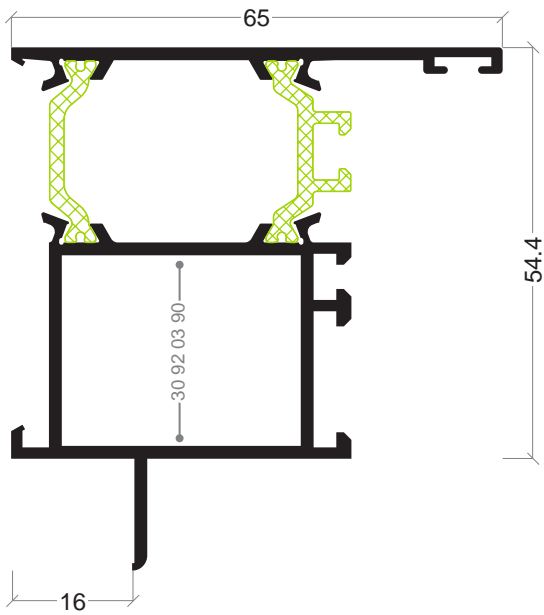
ATi-50
Aro fixo



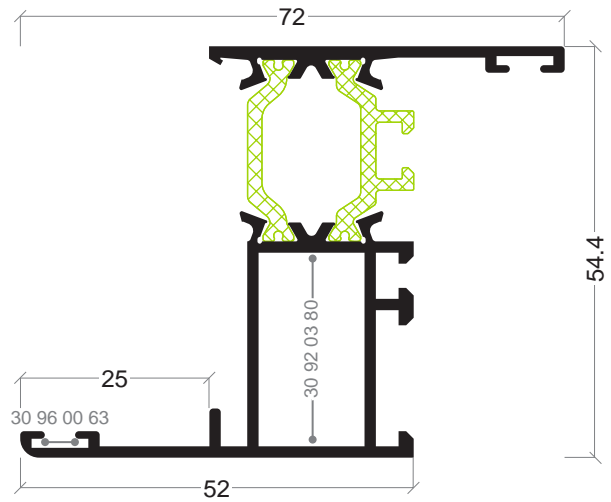
ATi-51
Aro fixo para apanelado



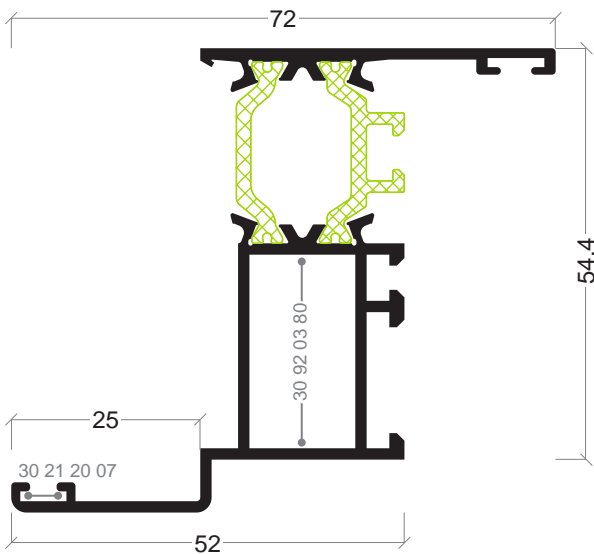
ATi-92
Aro fixo



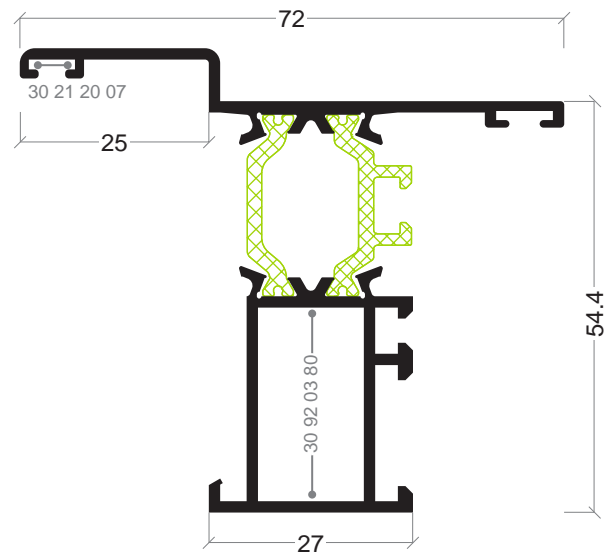
ATi-48
Aro fixo para apanelado



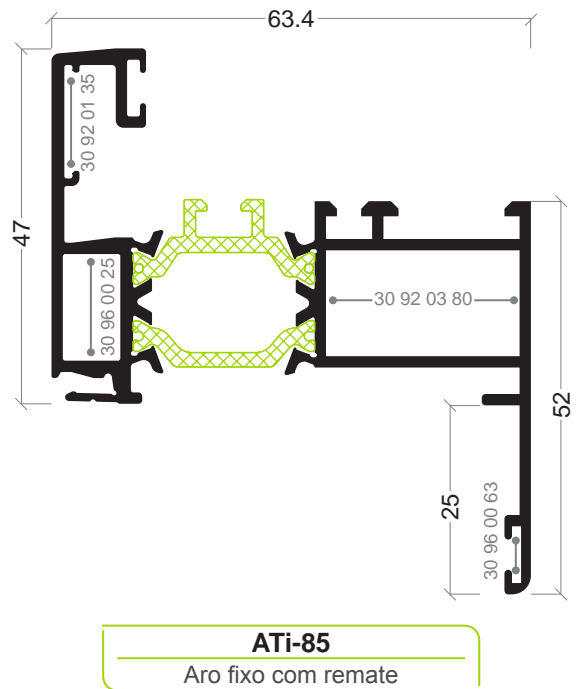
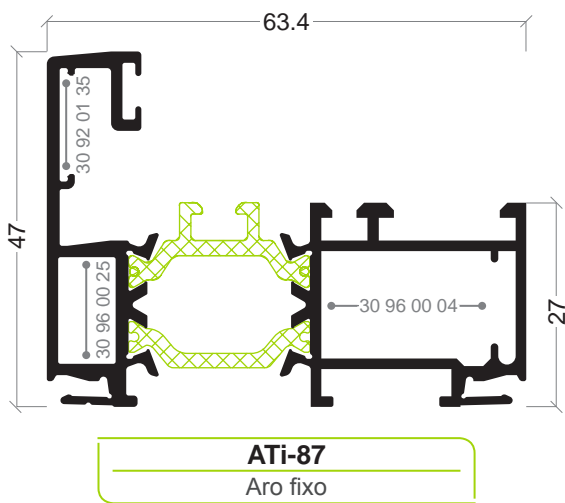
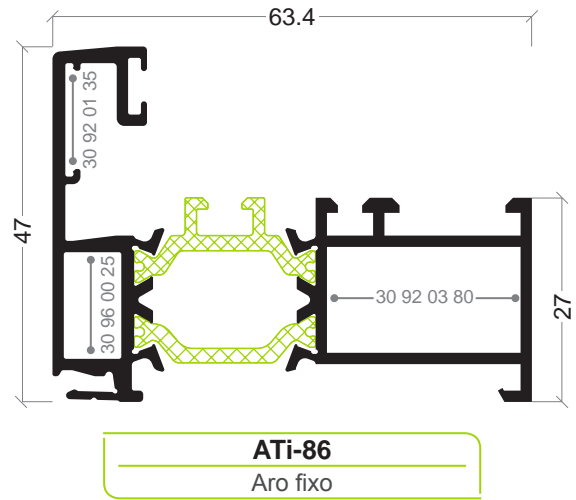
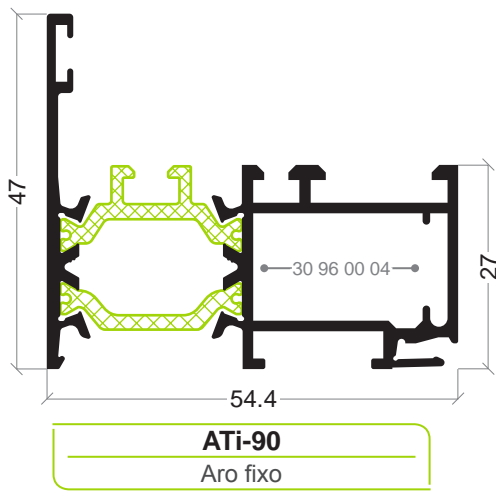
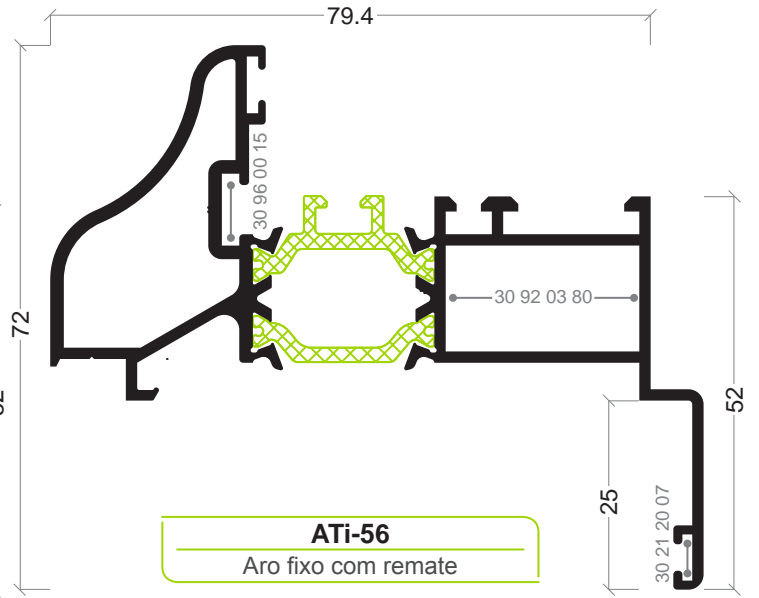
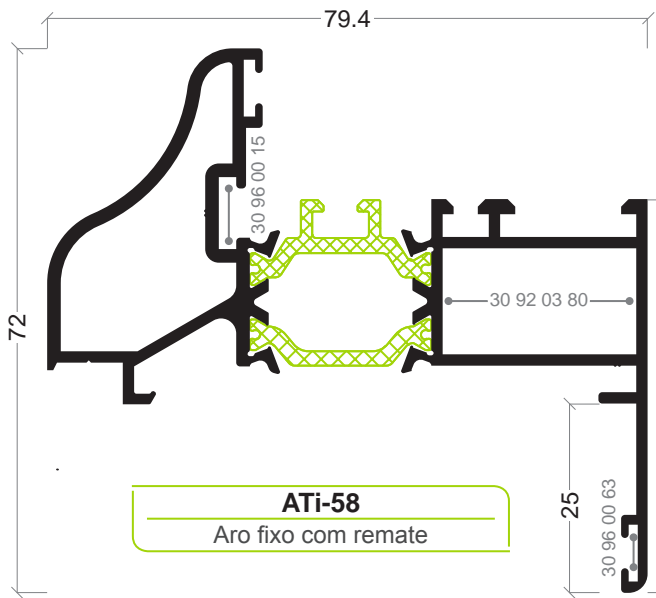
ATi-25
Aro fixo com remate

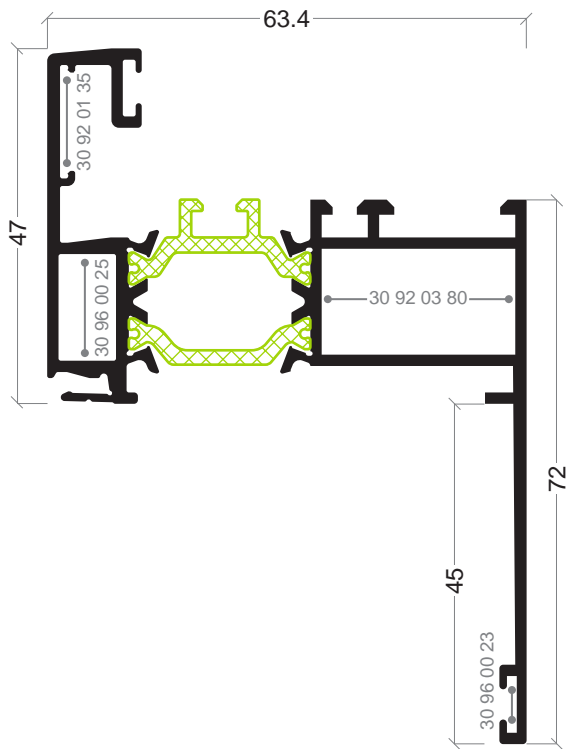


ATi-19
Aro fixo com remate

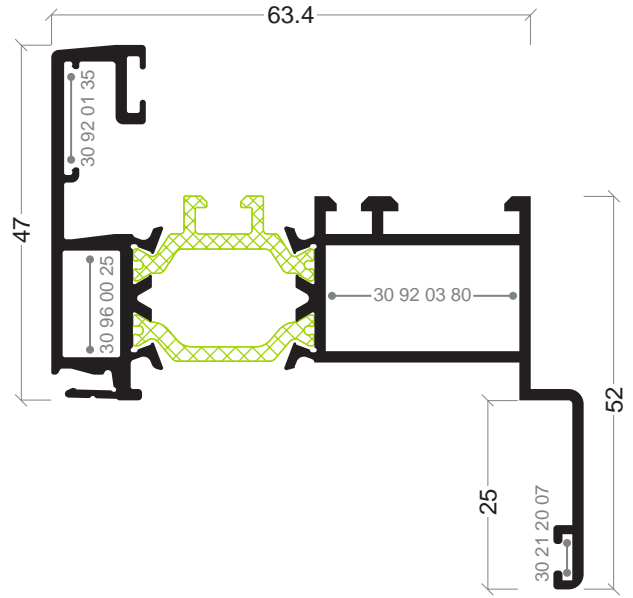


ATi-23
Aro fixo com remate

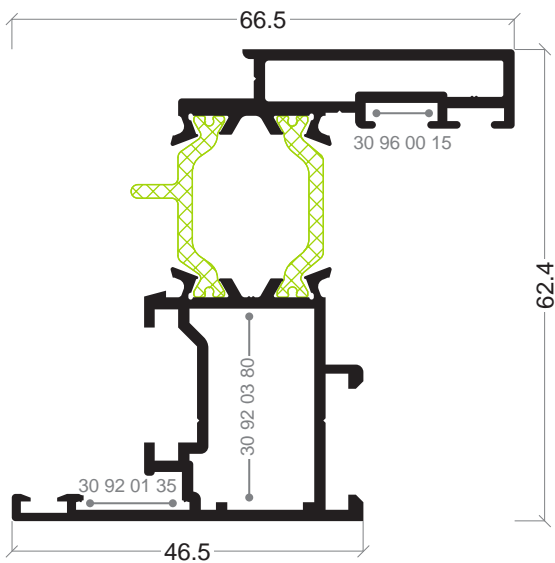




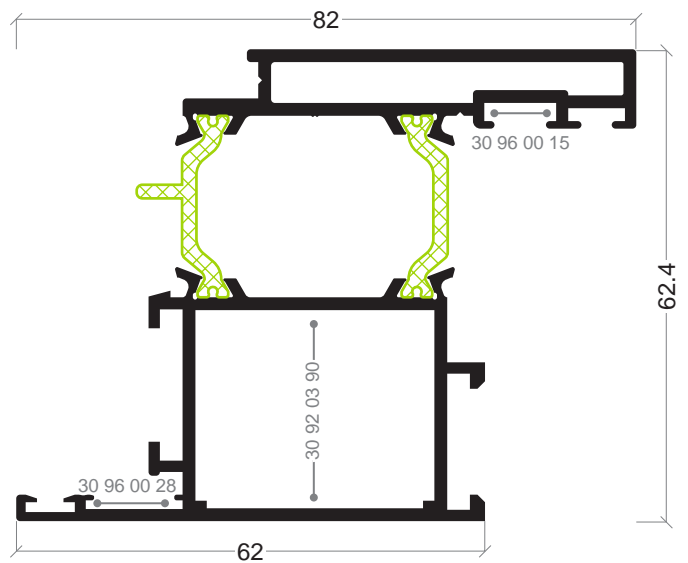
ATi-82
Aro fixo com remate



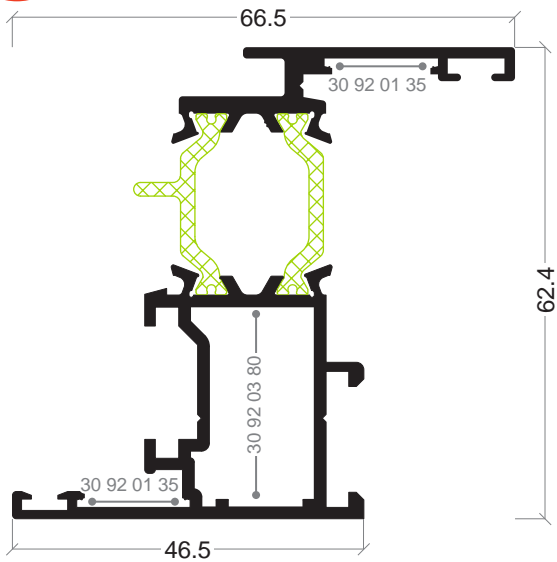
ATi-84
Aro fixo com remate



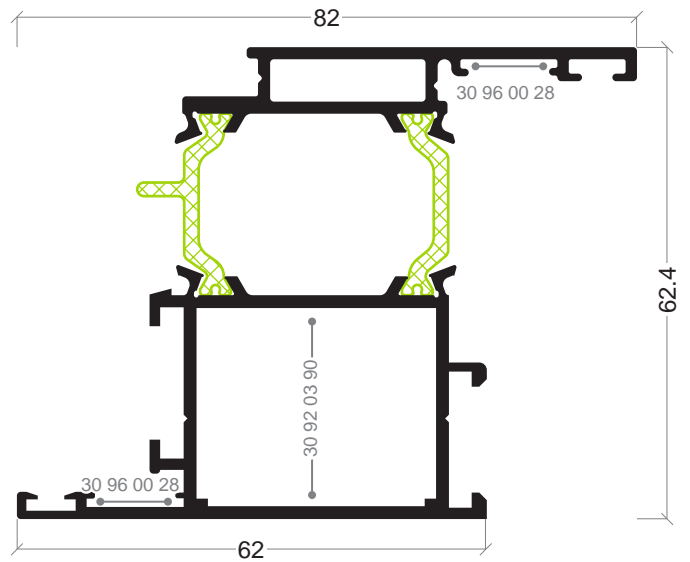
ATi-64
Aro móvel



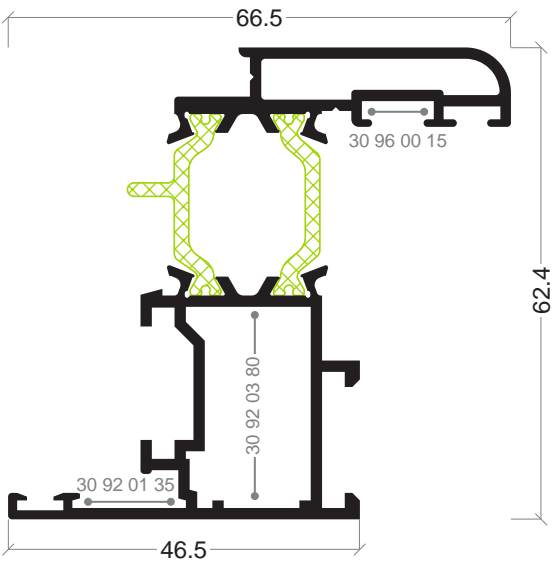
ATi-65
Aro móvel



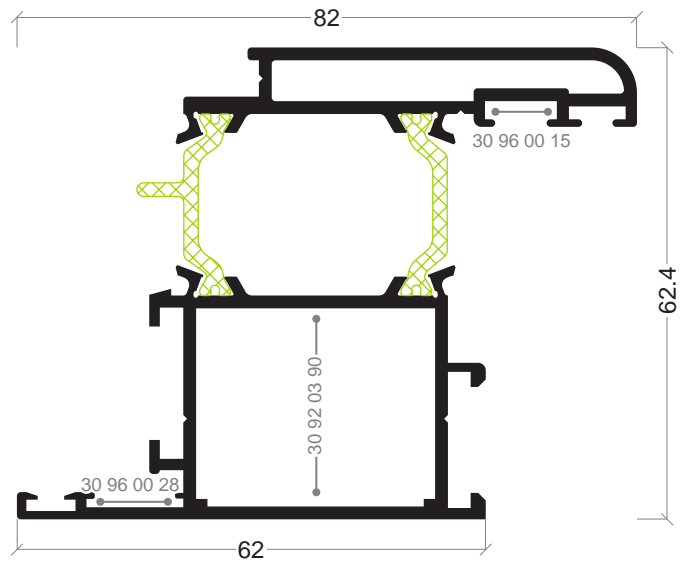
ATi-02
Aro móvil



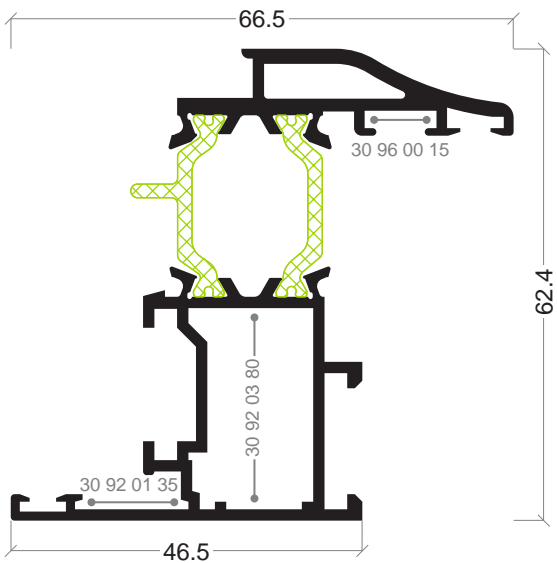
ATi-07
Aro móvil



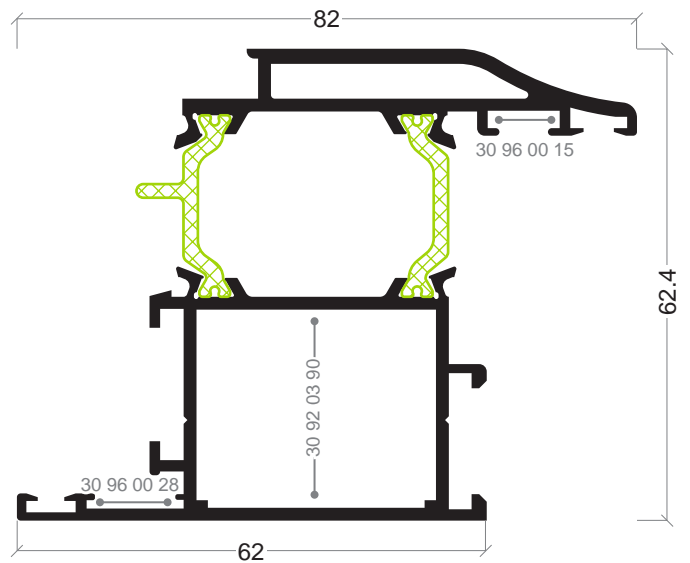
ATi-05
Aro móvil



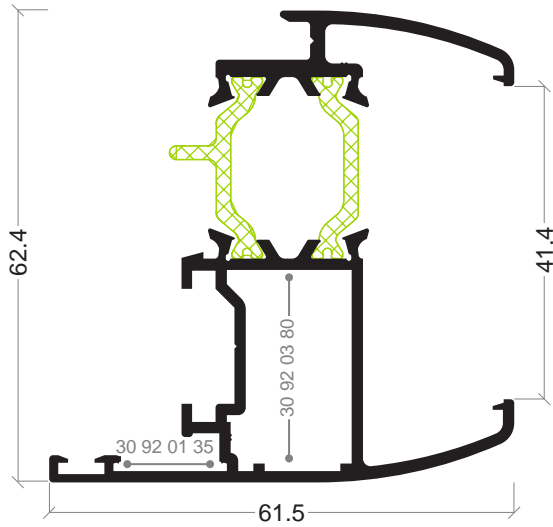
ATi-10
Aro móvil



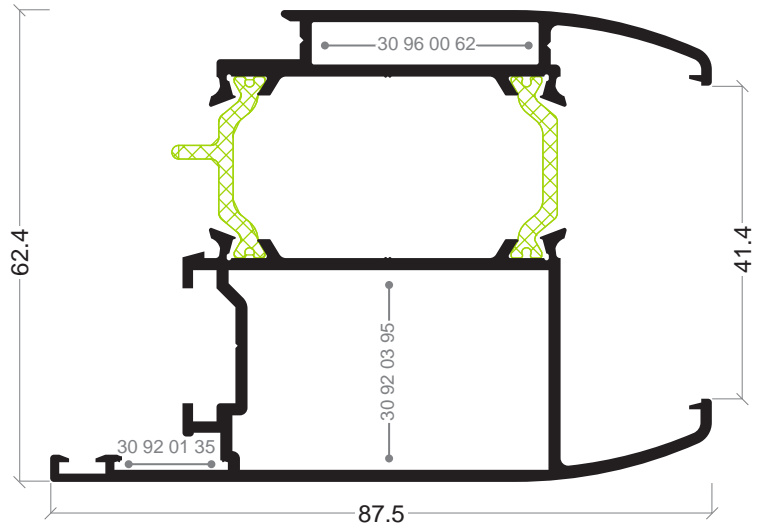
ATi-52
Aro móvil



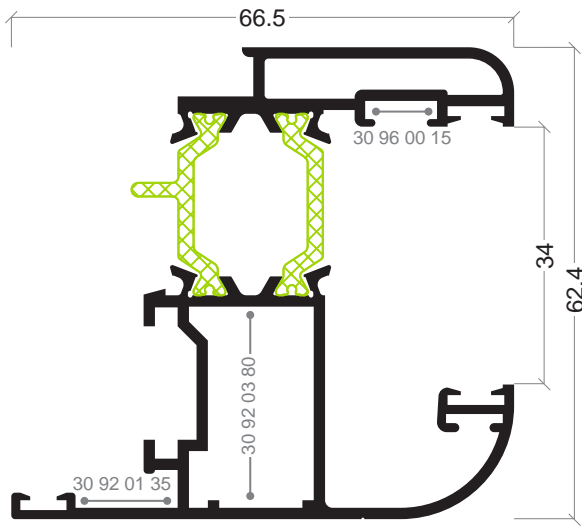
ATi-53
Aro móvil



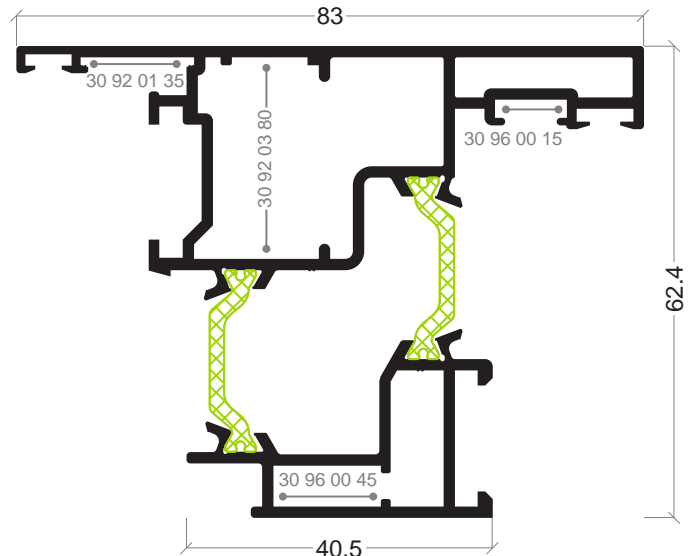
ATi-76
Aro móvel



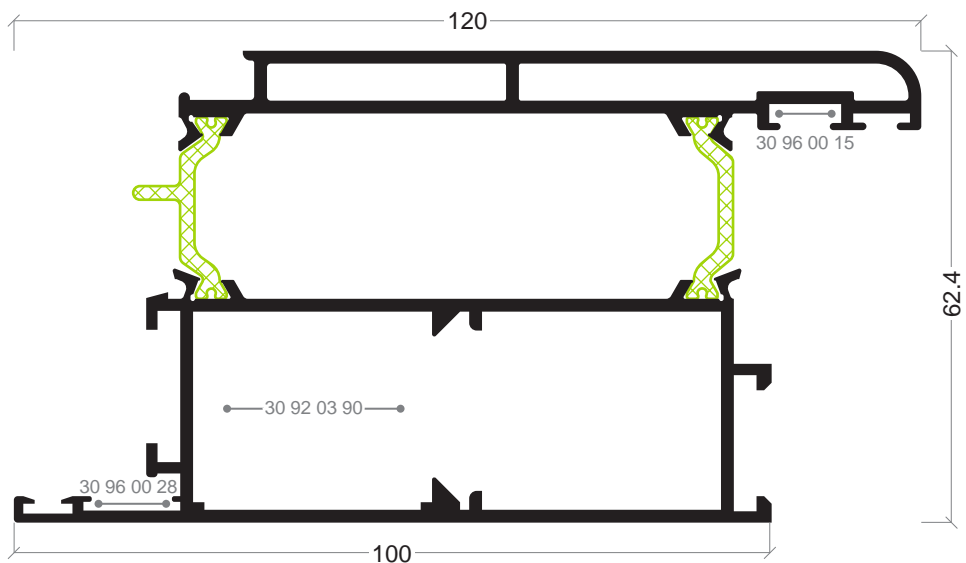
ATi-77
Aro móvel



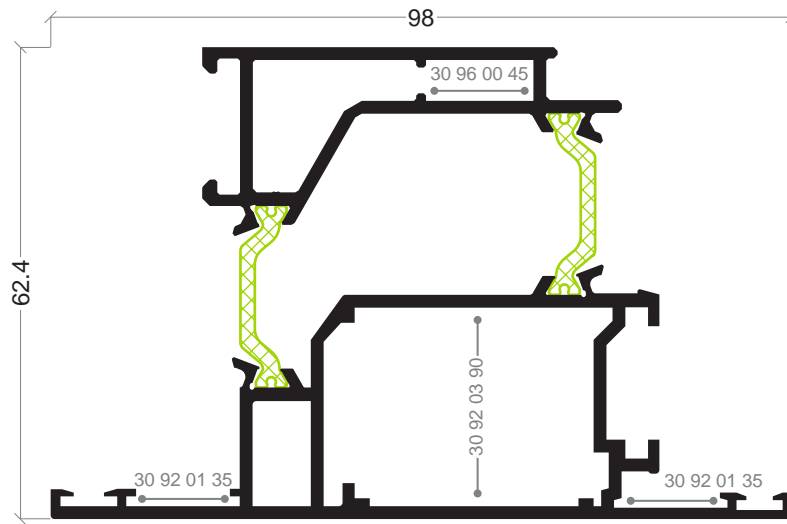
ATi-44
Aro móvel



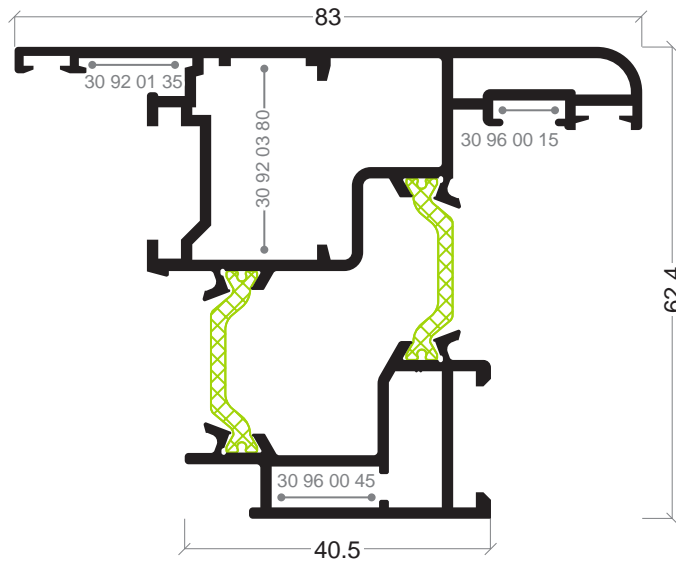
ATi-60
Aro móvel abertura exterior



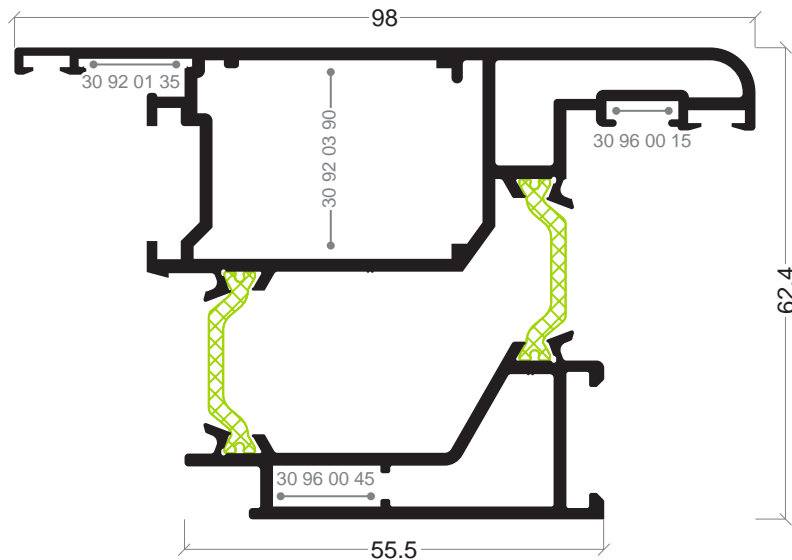
ATi-66
Aro móvel



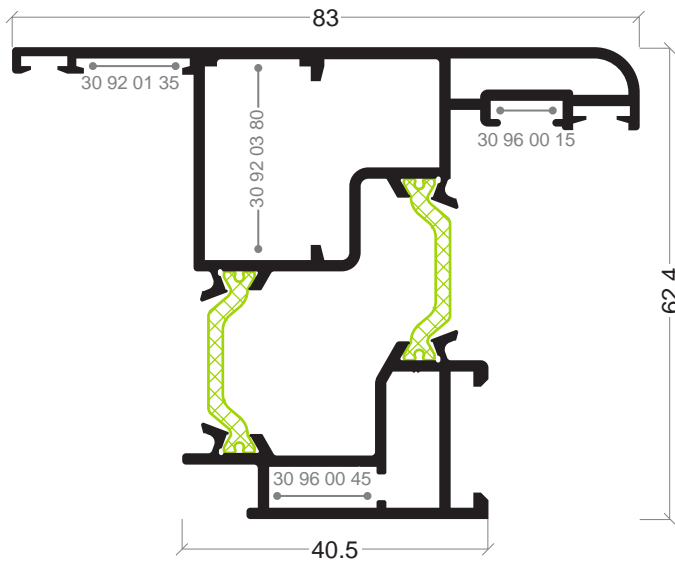
ATi-71
Aro móvel abertura exterior



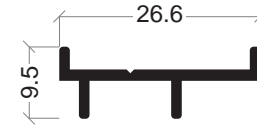
ATi-59
Aro móvel abertura exterior



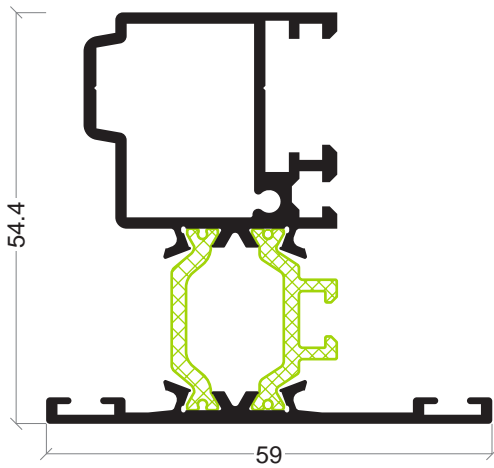
ATi-62
Aro móvel abertura exterior



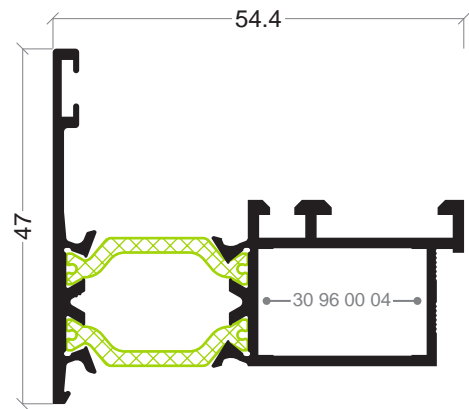
ATi-63
Aro móvel projectante



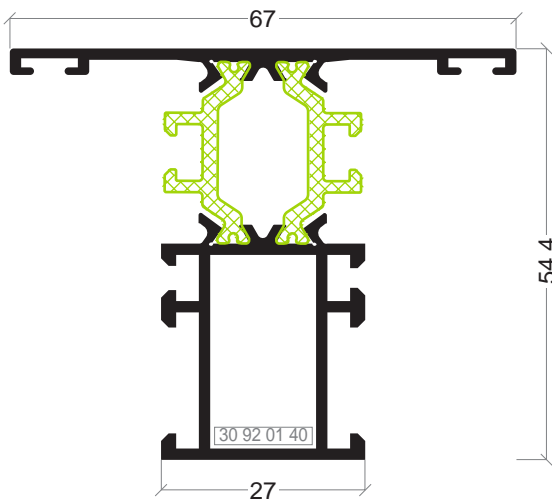
AXi-32
Complemento abertura projectante



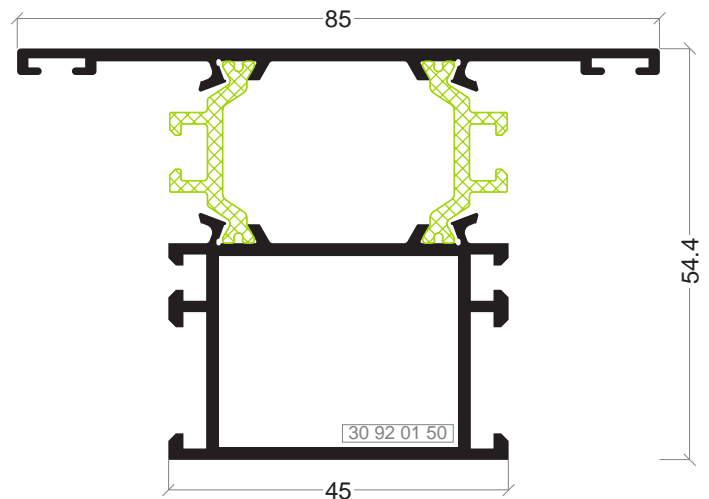
ATi-04
Inversor



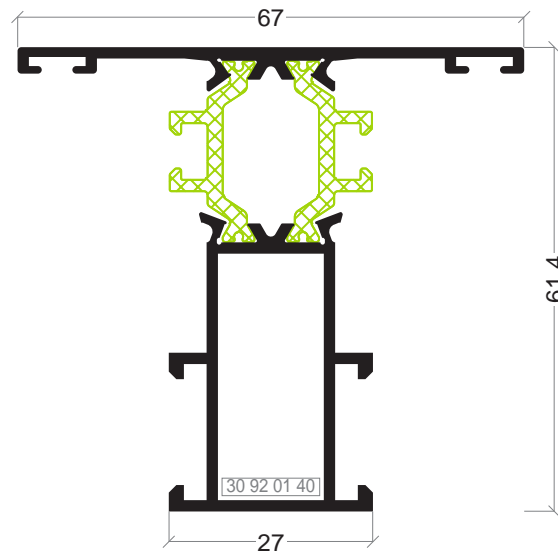
ATi-75
Inversor abertura exterior



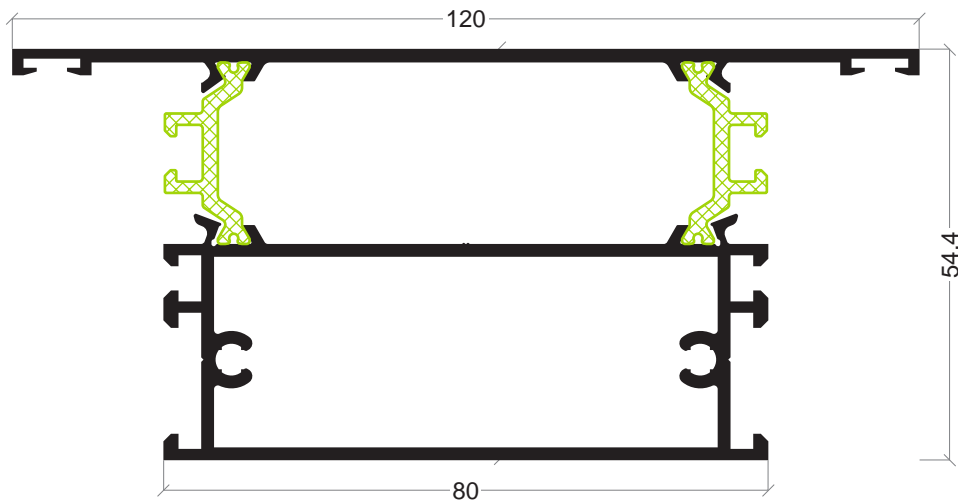
ATi-01
Travessa



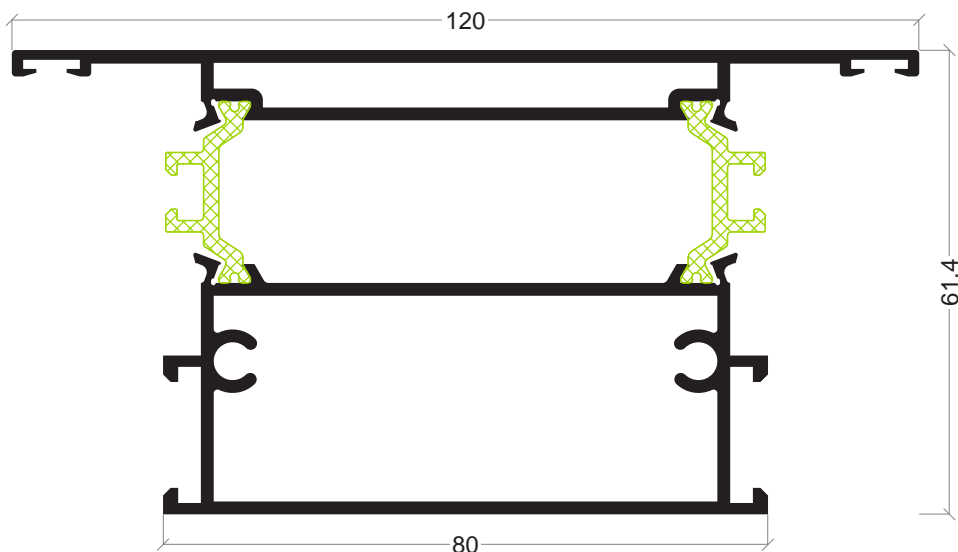
ATi-06
Travessa



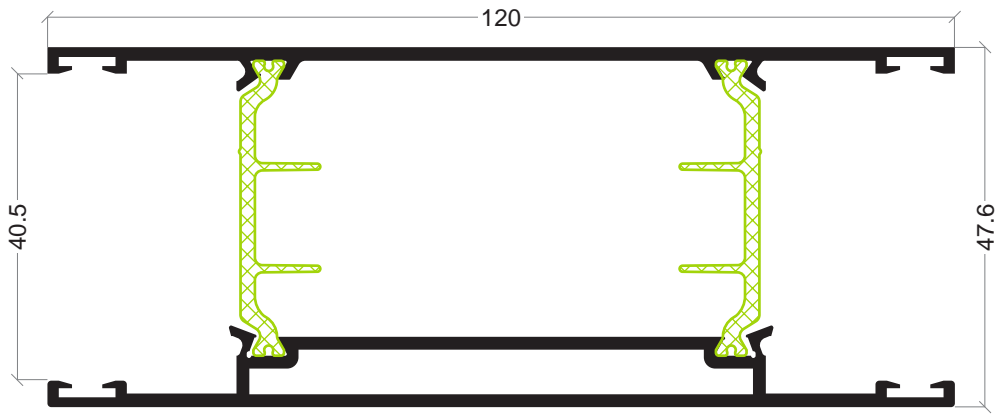
ATi-09
Travessa



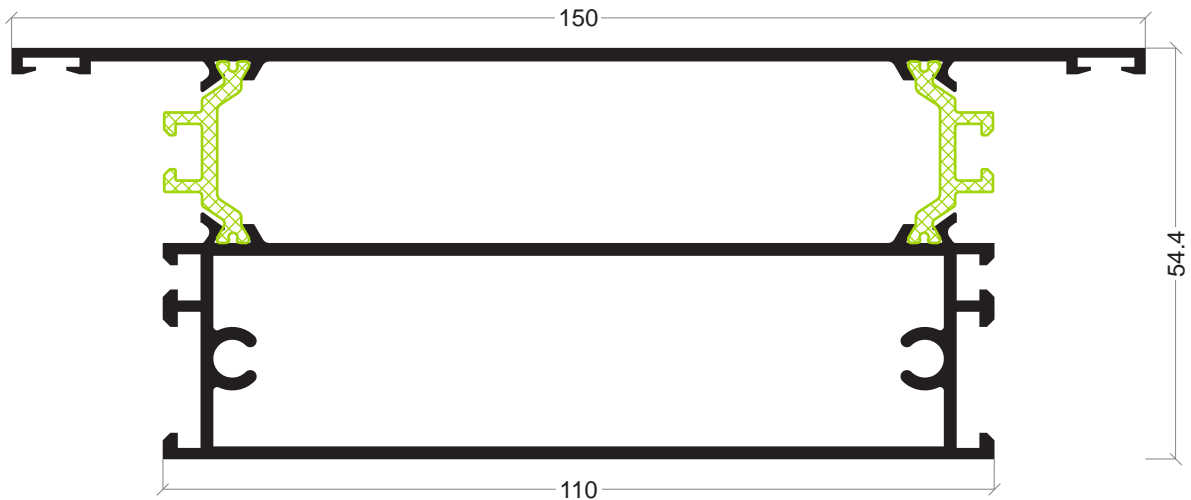
ATi-12
Travessa



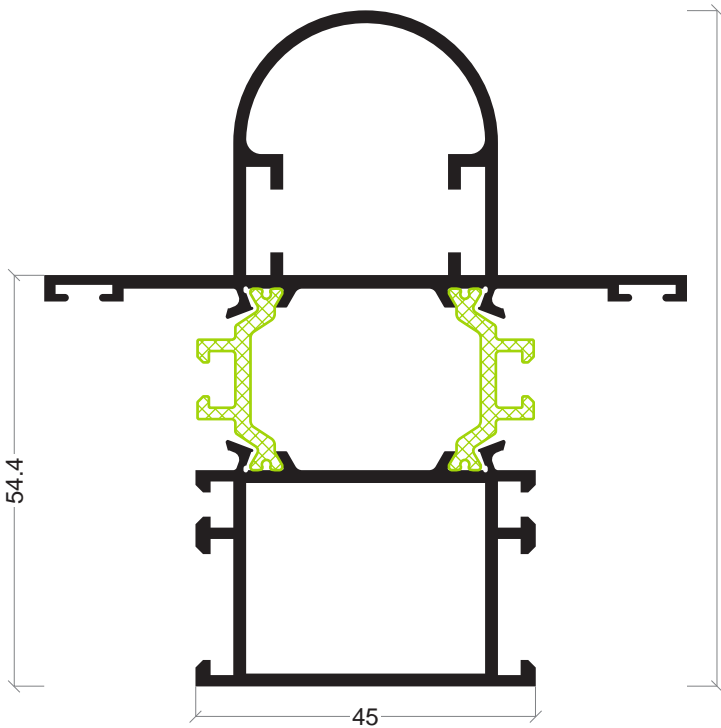
ATi-14
Travessa



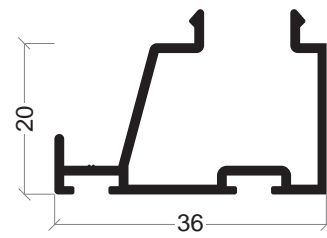
ATi-79
Travessa para ATi-77



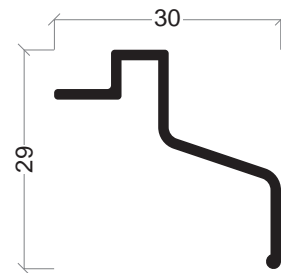
ATi-13
Travessa



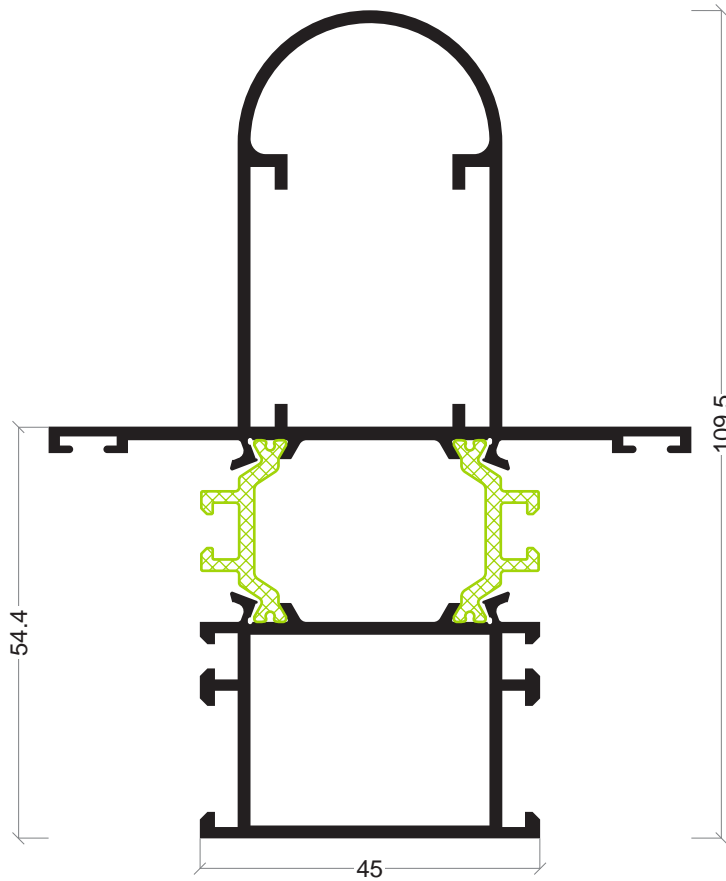
ATi-17
Montante curvo



AX-15
Bite remate



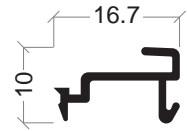
AXi-45
Pingadeira



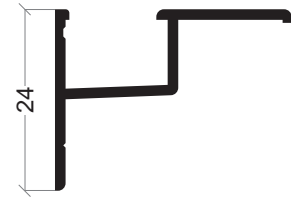
ATi-18
Montante curvo



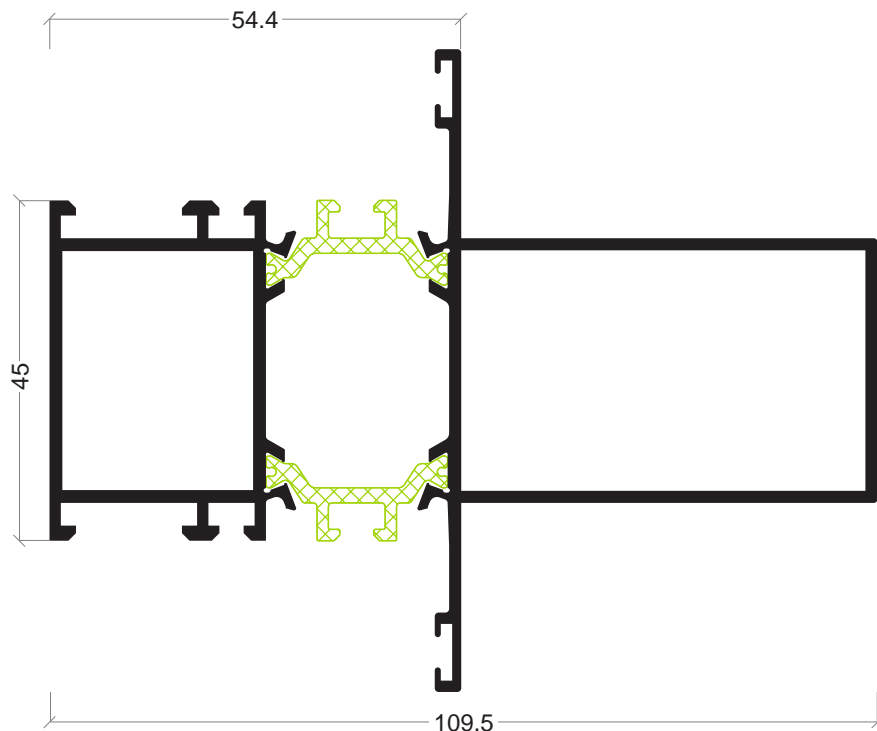
AX-19
Vareta



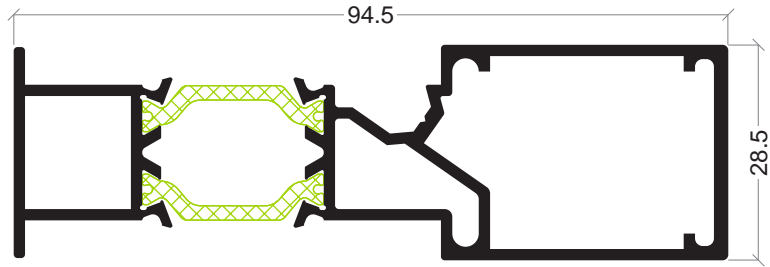
AX-33
Mola Bite



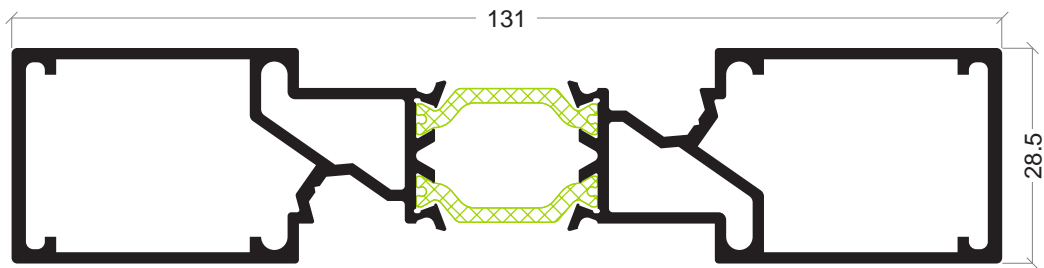
Y-20
Recolha de águas condensação



ATi-78
Montante recto

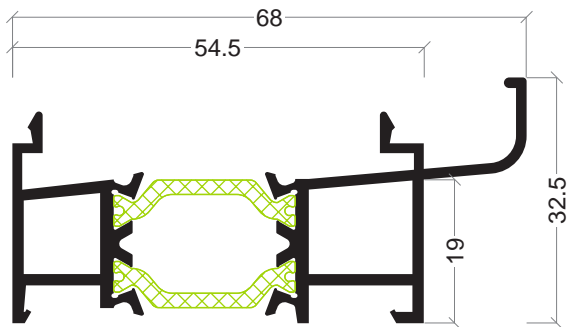


ATi-67
 União de aros com reforço

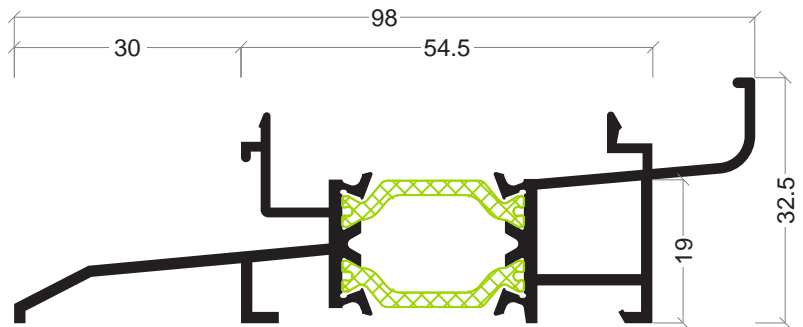


ATi-68
 União de aros com reforço

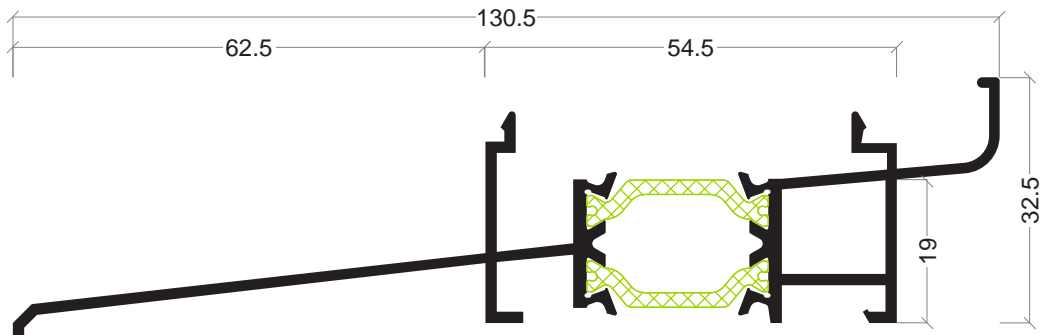
14



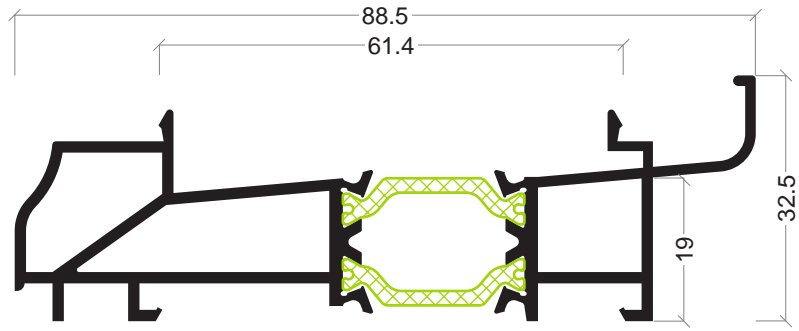
ATi-57
 Soleira condensação



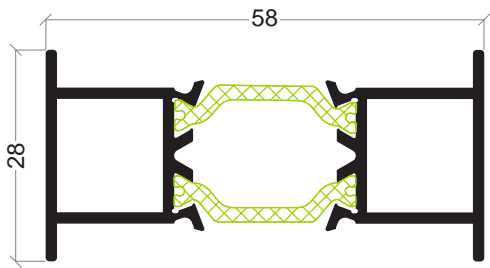
ATi-29
 Soleira condensação



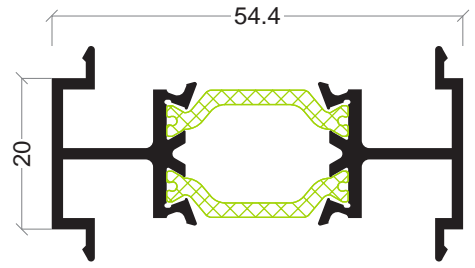
ATi-30
 Soleira condensação



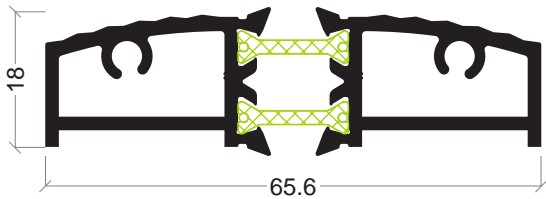
ATi-55
Soleira condensação



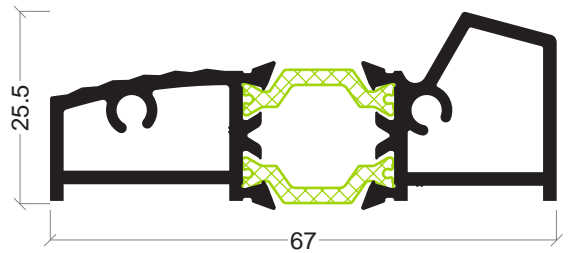
ATi-54
União de aros



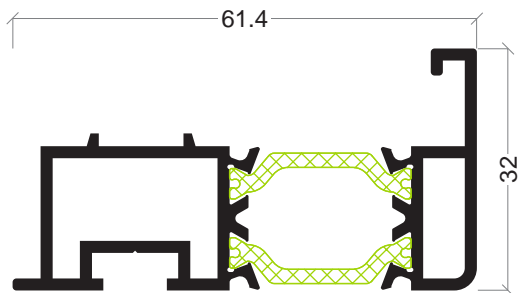
ATi-15
União de aros



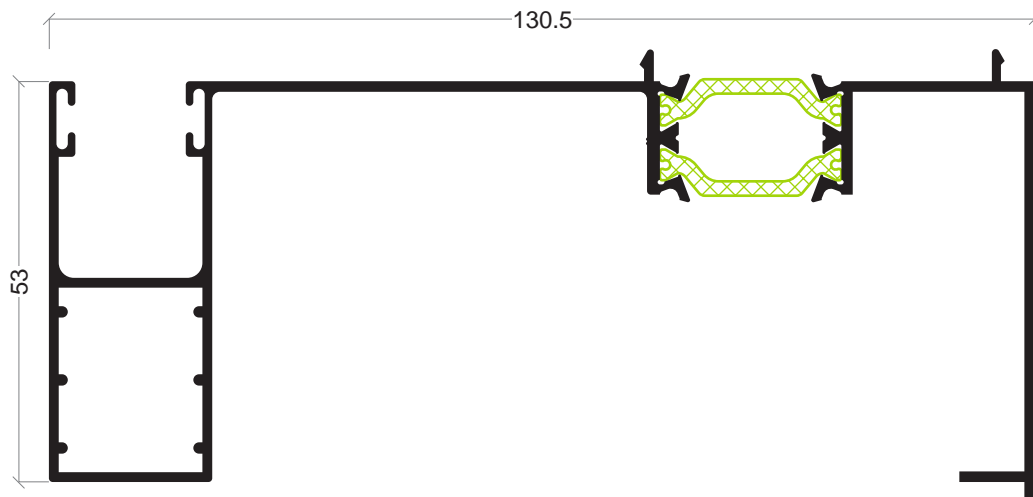
AXi-69
Remate inferior porta



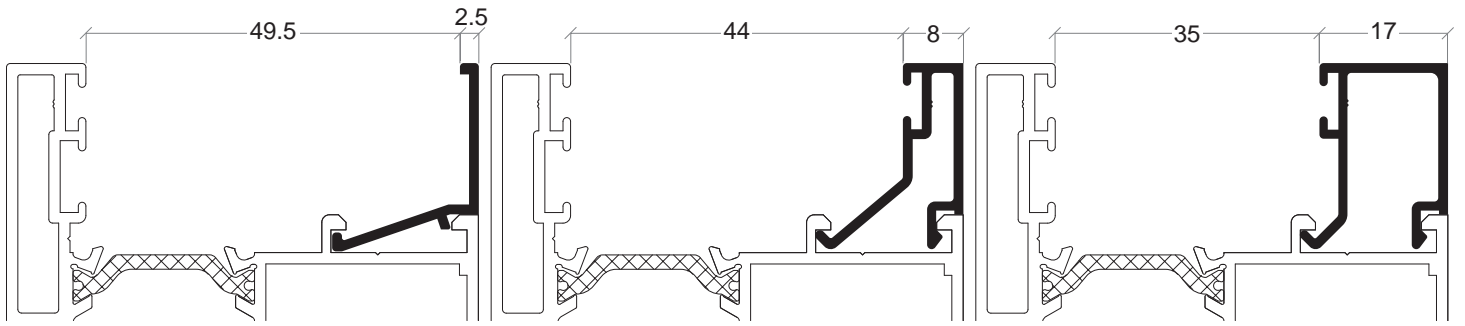
ATi-70
Remate inferior porta



ATi-42
Remate almofada



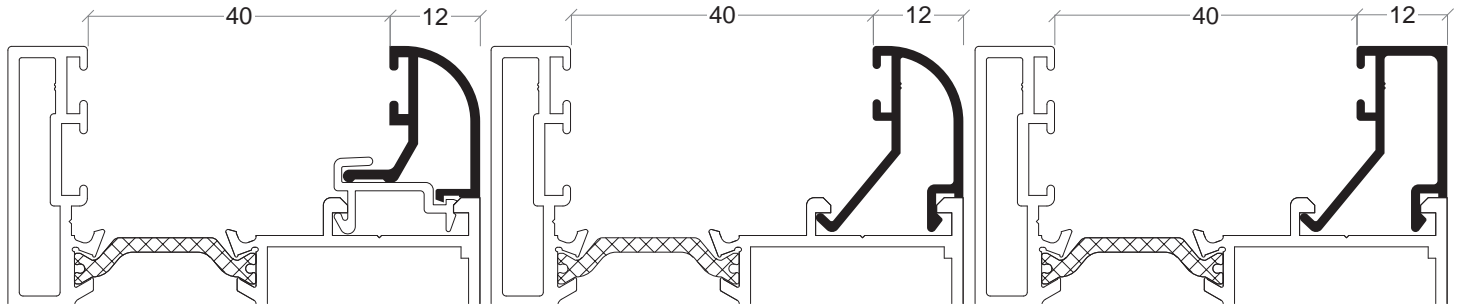
ATi-11
Pré-aro com calha estore



AX-69

AX-74

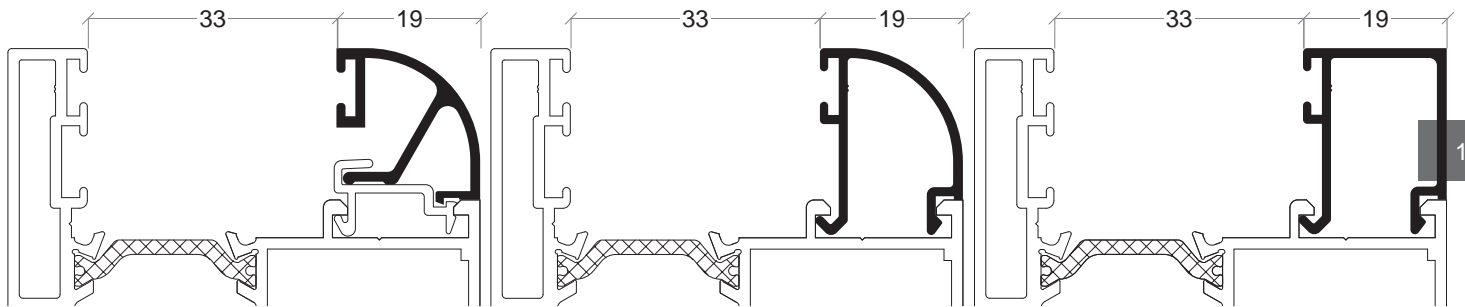
AX-46



AX-37

AZ-08

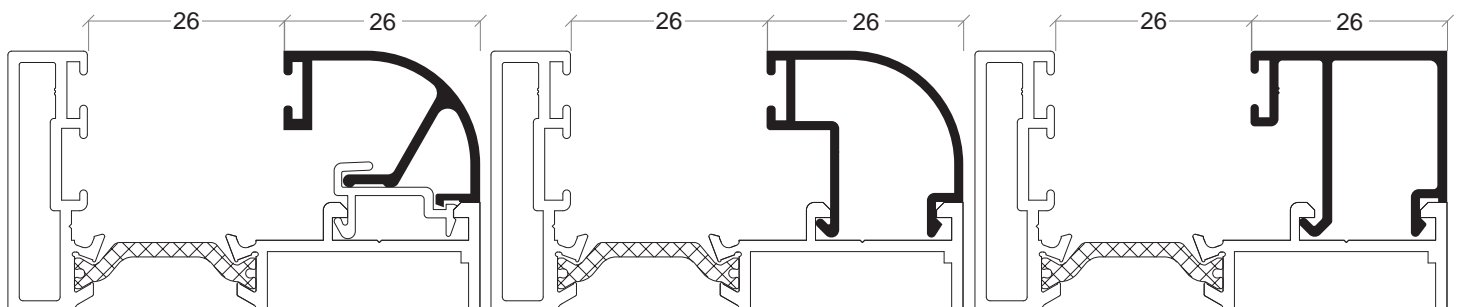
AX-36



AX-30

AZ-07

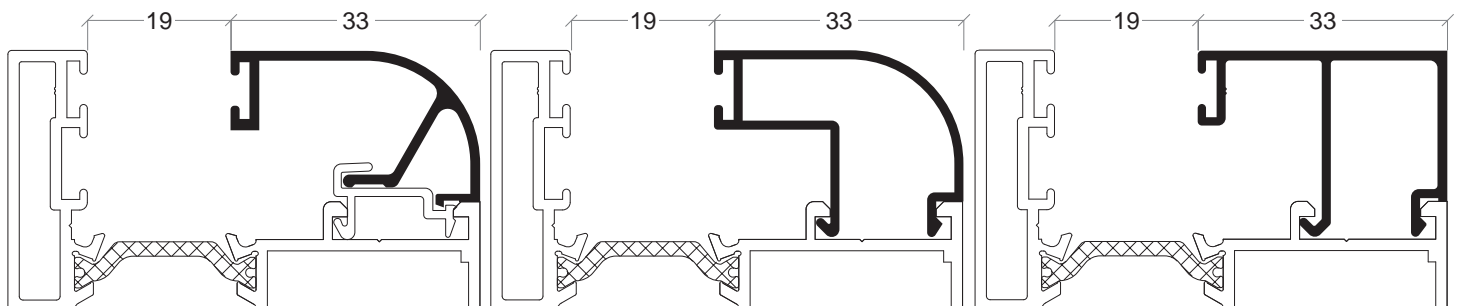
AX-35



AX-29

AZ-06

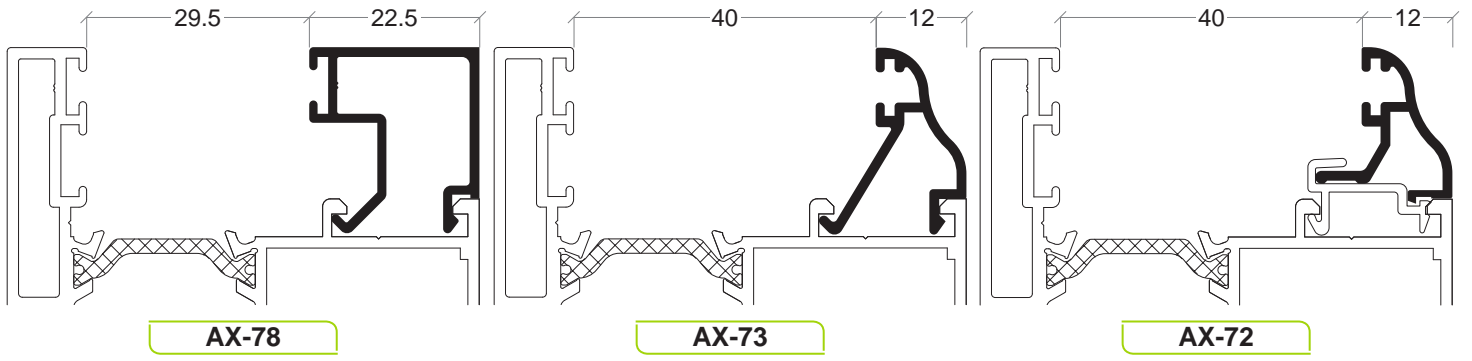
AX-31

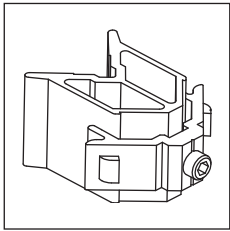


AX-39

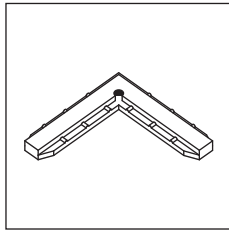
AZ-28

AX-34

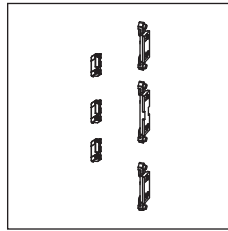



30 20 30 09

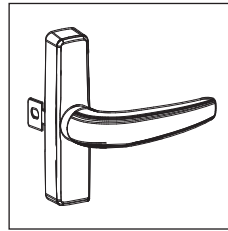
Esquadro móvel pivotante


30 21 20 07

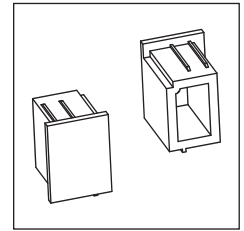
Esquadro de alinhamento


30 90 20 40

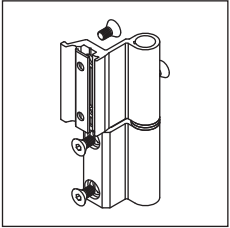
Transmissão abertura exterior


30 90 20 50/51

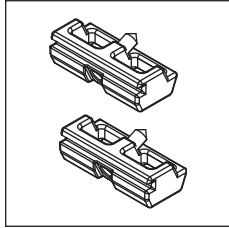
Cremone para abertura exterior


30 91 21 20

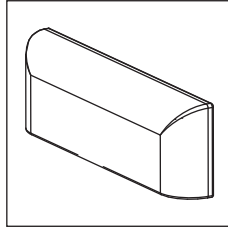
Jogo topos condensação Y-20


30 92 00 20/21

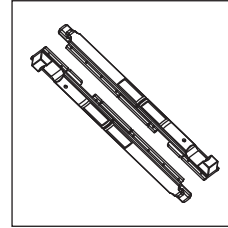
Dobradiça C.E. branco/preto


30 92 00 50

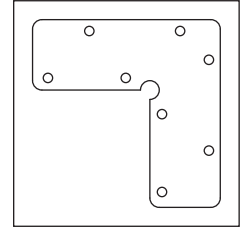
Complemento fecho


30 92 01 00/01

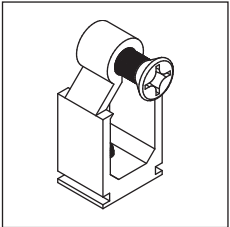
Goteiras branco/preto


30 92 01 20

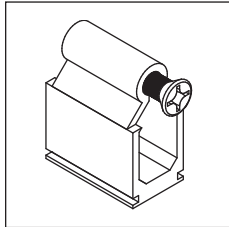
Jogo fecho C.E.


30 92 01 35

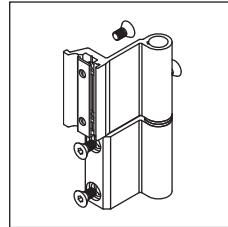
Esquadro alinhamento


30 92 01 40

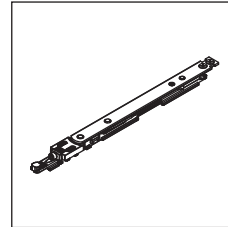
União topos janela


30 92 01 50

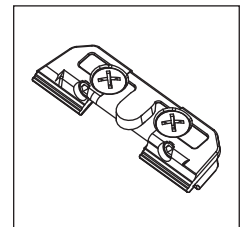
União topos porta


30 92 01 70/80

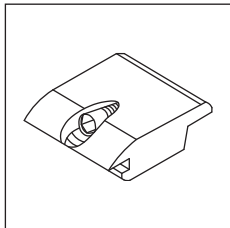
Dobradiça 3 folhas branco/preto


30 92 02 10/11/12

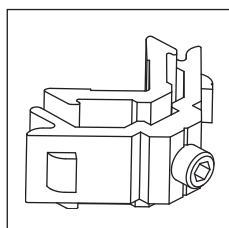
Compasso oscilo 300/400/500


30 92 02 15

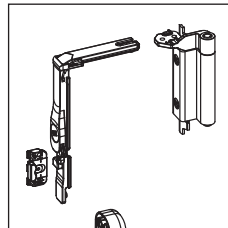
Fecho para micro-ventilação


30 92 02 60

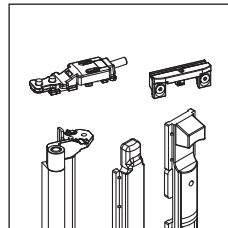
Apoio da folha


30 92 03 80

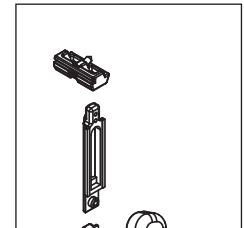
Esquadro janela


30 92 02 20/21

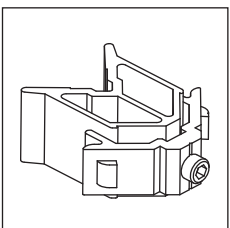
Kit oscilobatente branco/preto


30 92 02 24/25

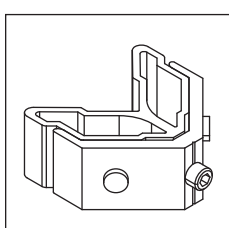
Kit 2ª folha oscilobatente branco/preto


30 92 03 10/11

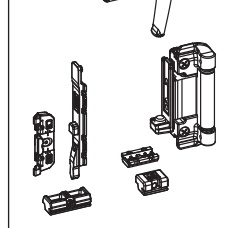
Kit cremone branco/preto


30 92 03 90

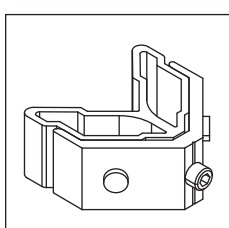
Esquadro porta


30 92 04 10

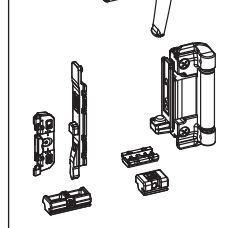
Esquadro janela abertura exterior


30 92 04 75

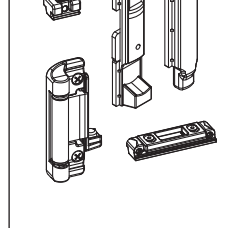
Jogo compasso basculante


30 92 04 76/77

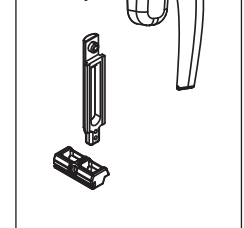
Fecho clack (branco/preto)


30 92 04 85

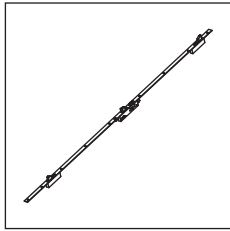
Jogo compasso


30 92 04 90

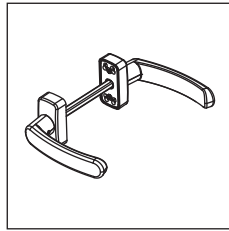
Compasso SEN-550 (até 70kg /folha)


30 92 05 00

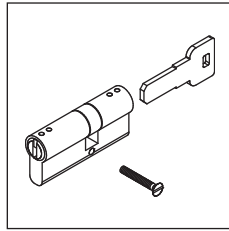
Jogo topos



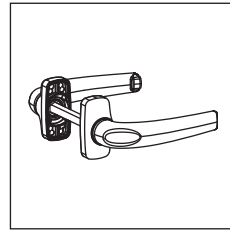
30 92 05 10
Fechadura 3 pontos
35 mm



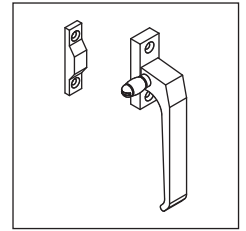
30 92 05 15
Fecho de alavanca com
5 pontos de fecho



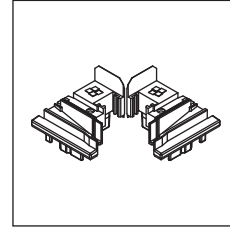
30 92 05 52
Canhão de segurança



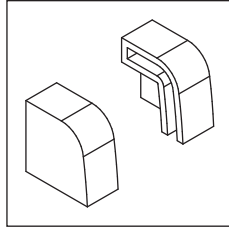
30 92 05 60/61
Puxador duplo branco/
preto



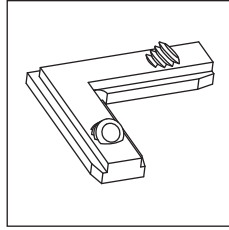
30 92 06 10/11
Cremone de lingueta
branco/preto



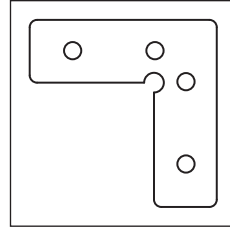
30 93 50 21
Conjunto topos
inversores com furo ATi



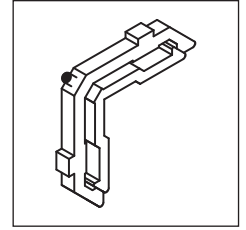
30 96 00 12
Jogo topos condensação



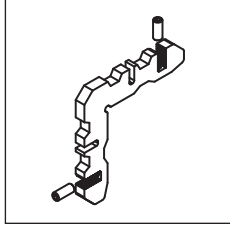
30 96 00 15
Esquadro de
alinhamento



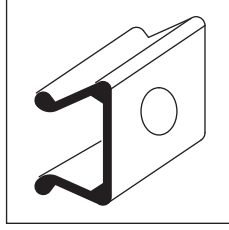
30 96 00 28
Esquadro alinhamento especial
ATI-07/10/53/65/66



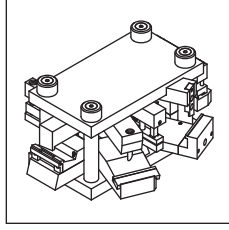
30 96 00 38
Esquadro alinhamento
exterior



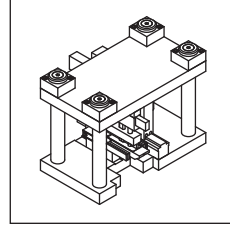
30 96 00 45
Esquadro alinhamento
exterior com parafusos



31 03 40 00
Mola para AZ-60



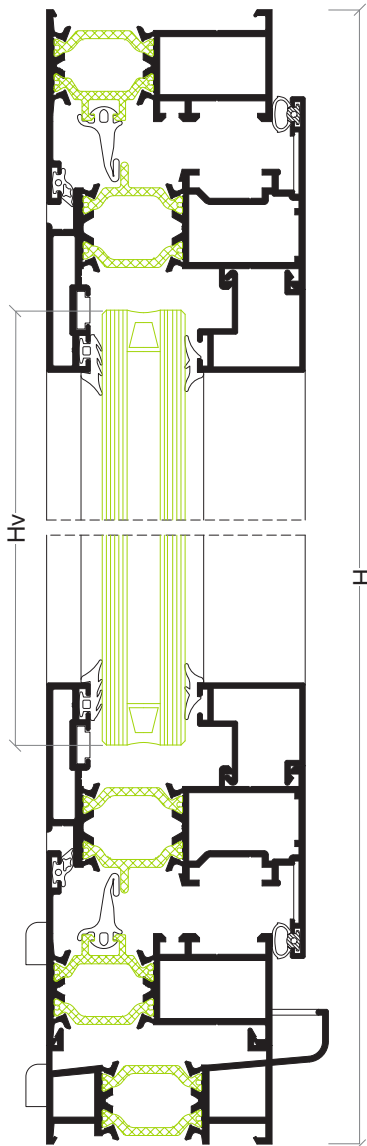
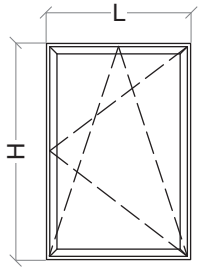
33 96 79 99
Cunho C.E.



33 96 87 99
Cunho esquadros
interior/exterior

Referência	Desenho	Descrição
30 00 95 15		Junta vedação inferior curta
30 60 00 17		Junta exterior vidro plana 2 mm preto
30 92 04 70		Espuma isolante
30 93 00 60		Vedante exterior do vidro (opcional)
30 93 00 61		Junta de vedação exterior
30 93 00 62		Junta exterior plana
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 00 70		Vedante interior do vidro (opcional)
30 93 00 80		Junta de vedação inferior ATi-42
30 93 00 82		Junta de vedação inferior
30 93 00 90		Junta exterior
30 93 01 20		Junta interior
30 93 01 30		Junta exterior (abertura exterior/projectante)
30 93 50 10		Junta central ATi
30 95 00 10		Pelúcia 7x9 mm
30 95 00 40		Pelúcia 7x5.5 mm

Janela 1 folha abrir e oscilo-batente



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	ATi-03	Aro fixo		2	L
				2	H-24 mm
	ATi-64	Aro móvel		2	L-42 mm
				2	H-66 mm
	ATi-57	Soleira condensação		1	L
	AX-19	Vareta		1+1	Apro. L+H
	---	Bite		2	L-135 mm
				2	H-199 mm

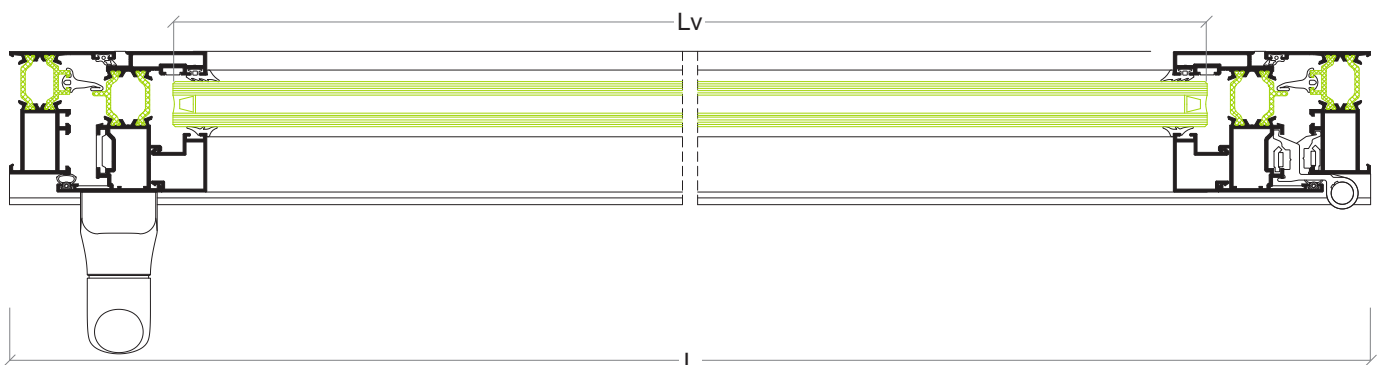
Acessórios e Juntas

Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 92 00 20	Dobradiças C.E.	2	---
30 92 01 00	Goteiras	4	4
30 92 01 35	Esquadro alinhamento aro móvel	4	4
30 92 02 (xx)	Compasso O.B.	---	1
30 92 02 20	Kit oscilo-batente	---	1
30 92 02 60	Apoio da folha	1	---
30 92 03 10	Kit cremone	1	---
30 92 03 80	Esquadro janela	8	8
30 96 00 12	Jogo topos condensação	1	1
30 96 00 15	Esquadro alinhamento móvel	4	4
30 92 04 70	Espuma isolante	L	L
30 93 00 90	Junta exterior	2L+2H	
30 93 50 10	Junta central	2L+2H	
30 93 01 20	Junta interior	2L+2H	
---	Junta exterior vidro	2L+2H	
---	Junta interior vidro	2L+2H	

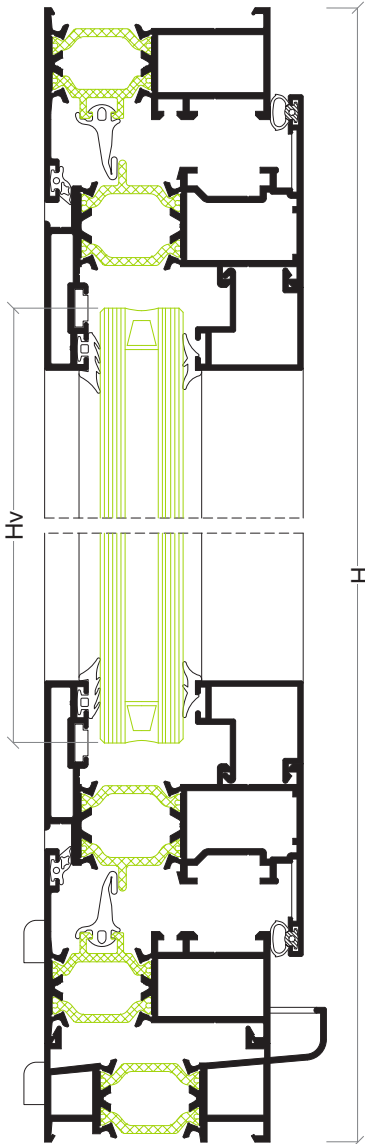
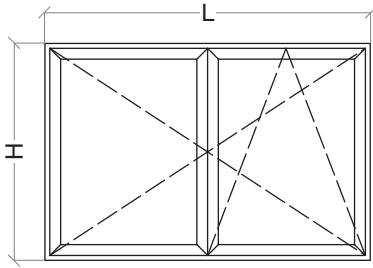
21

Vidro

Hv = H-174 mm	Lv = L-149 mm
---------------	---------------



Janela 2 folhas abrir e oscilo-batente



Perfis

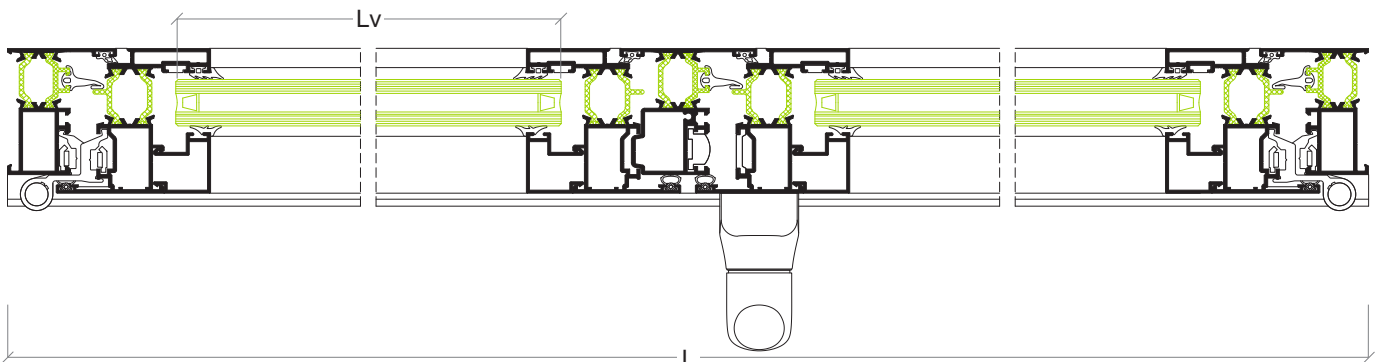
Desenho	Ref	Descrição	Corte	Quant	Medida
	ATi-03	Aro fixo		2	L
				2	H-24 mm
	ATi-64	Aro móvel		4	L/2-24 mm
				4	H-66 mm
	ATi-57	Soleira condensação		1	L
	AX-19	Vareta		1+1	Apro. L+H
	---	Bite		4	L/2-117 mm
				4	H-199 mm
	ATi-04	Inversor		1	H-134 mm

Acessórios e Juntas

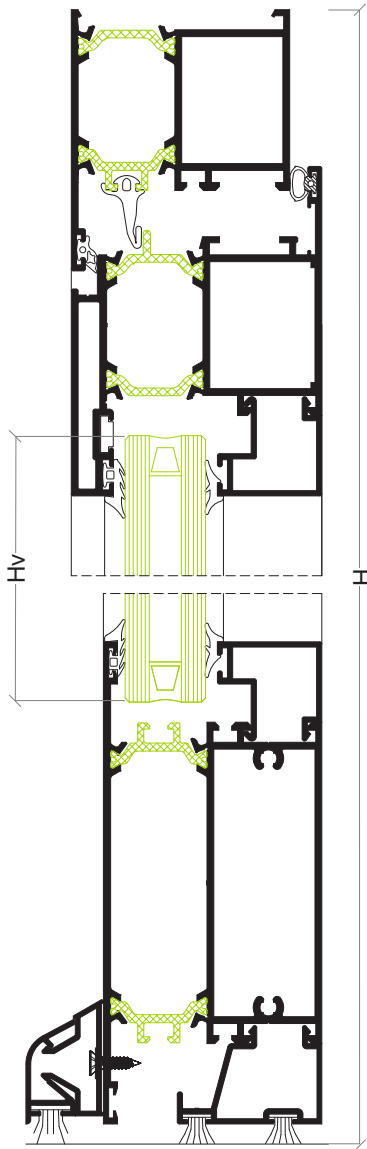
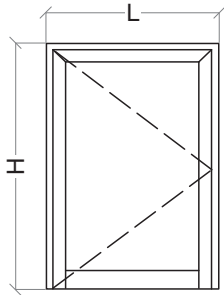
Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 92 00 20	Dobradiças C.E.	4	---
30 92 01 00	Goteiras	4	4
30 92 01 20	Jogo fecho C.E.	1	---
30 92 01 35	Esquadro alinhamento aro móvel	8	8
30 92 02 (xx)	Compasso O.B.	---	1
30 92 02 20	Kit oscilo-batente	---	1
30 92 02 24	Kit 2ª folha oscilo-batente	---	1
30 92 02 60	Apoio da folha	1	---
30 92 03 10	Kit cremone	1	---
30 92 03 80	Esquadro janela	12	12
30 93 50 21	Jogo topos inversor	1	1
30 96 00 12	Jogo topos condensação	1	1
30 96 00 15	Esquadro alinhamento móvel	8	8
30 92 04 70	Espuma isolante	L	L
30 93 00 90	Junta exterior	2L+4H	
30 93 05 10	Junta central	2L+3H	
30 93 01 20	Junta interior	2L+4H	
---	Junta exterior vidro	2L+4H	
---	Junta interior vidro	2L+4H	

Vidro

Hv = H-174 mm	Lv = L/2-131 mm
---------------	-----------------



Porta 1 folha



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	ATi-08	Aro fixo		1	L
				2	H
	ATi-65	Aro móvel		1	L-78 mm
				2	H-44 mm
	ATi-12	Travessa		1	L-193 mm
	AX-15	Bite remate		1	L-202 mm
	---	Bite		2	L-202 mm
				2	H-246 mm
	AZ-60	Pingadeira		1	L-145 mm
	AZ-61	Clip pingadeira		1	L-242 mm

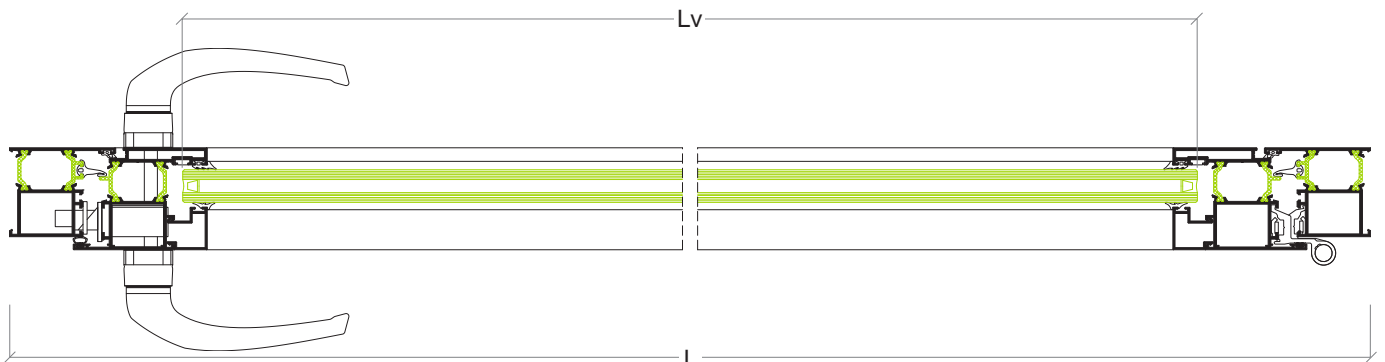
Acessórios e Juntas

Referência	Descrição	Quantidade
30 92 00 20	Dobradiças C.E.	3
30 92 03 90	Esquadro porta	4
30 92 05 10	Fechadura 3 pontos	1
30 92 05 52	Canhão fechadura	1
30 92 05 60	Puxador duplo	1
30 96 00 15	Esquadro alinhamento móvel	2
30 92 05 00	Jogo topos	1
30 96 00 28	Esquadro alinhamento	2
30 93 00 90	Junta exterior	1L+2H
30 93 05 10	Junta central	1L+2H
30 93 01 20	Junta interior	1L+2H
30 95 00 10	Pelúcia 7x9 mm	2L
---	Junta exterior vidro	2L+2H
---	Junta interior vidro	2L+2H

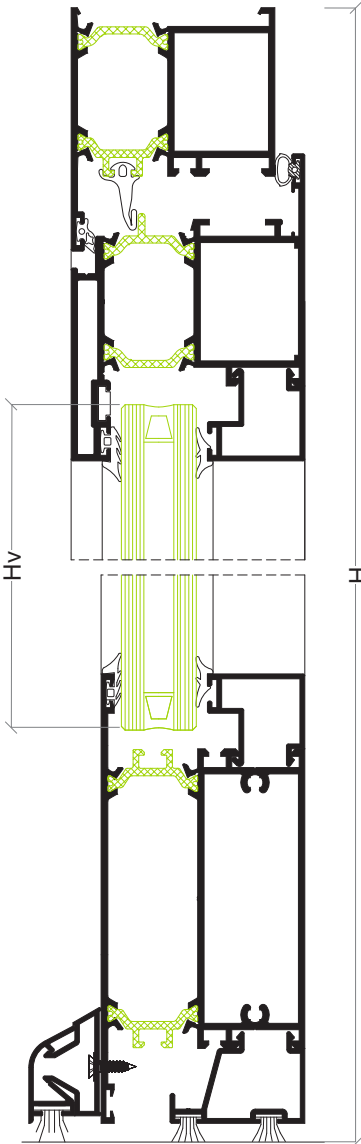
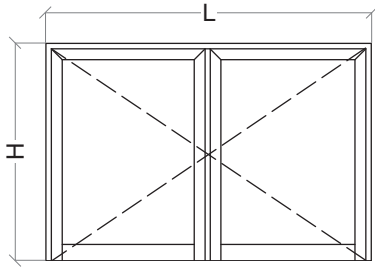
23

Vidro

Hv = H-220 mm	Lv = L-216 mm
---------------	---------------



Porta 2 folhas



Perfis

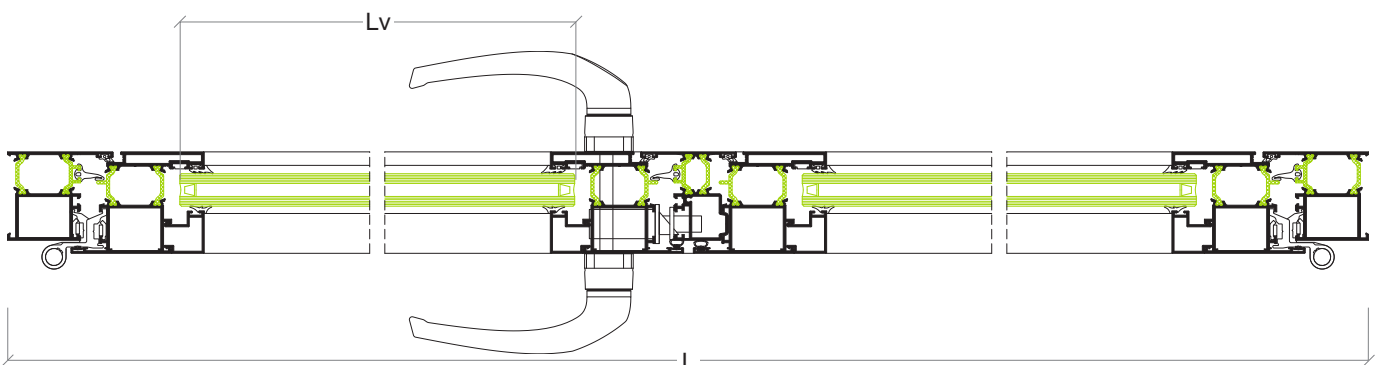
Desenho	Ref	Descrição	Corte	Quant	Medida
	ATi-08	Aro fixo		1	L
				4	H
	ATi-65	Aro móvel		2	L/2-42 mm
				4	H-44 mm
	ATi-04	Inversor		1	H-78 mm
	ATi-12	Travessa		2	L/2-157 mm
	AX-15	Bite remate		2	L/2-166 mm
	---	Bite		4	L/2-166 mm
				4	H-246 mm
	AZ-60	Pingadeira		1	Aprox. L/2
				1	Aprox. L/2
	AZ-61	Clip pingadeira		2	L/2-206 mm

Acessórios e Juntas

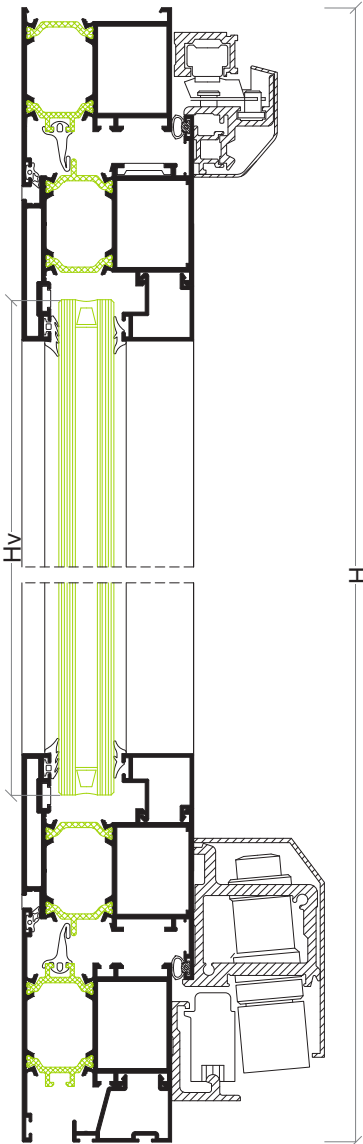
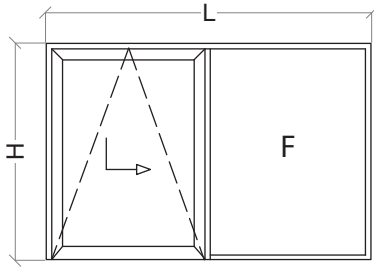
Referência	Descrição	Quantidade
30 92 00 20	Dobradiças C.E.	6
30 92 01 12	Jogo topos inversor	1
30 92 01 20	Jogo fecho C.E.	1
30 92 03 90	Esquadro porta	6
30 92 05 10	Fechadura 3 pontos	1
30 92 05 52	Canhão fechadura	1
30 92 05 60	Puxador duplo	1
30 96 00 15	Esquadro alinhamento móvel	4
30 92 05 00	Jogo topos	1
30 96 00 28	Esquadro alinhamento	2
30 93 00 90	Junta exterior	1L+4H
30 93 05 10	Junta central	1L+3H
30 93 01 20	Junta interior	L+4H
30 95 00 10	Pelúcia 7x9 mm	2L
---	Junta exterior vidro	2L+2H
---	Junta interior vidro	2L+2H

Vidro

Hv = H-220 mm	Lv = L-180 mm
---------------	---------------



Porta oscilo-paralela com fixo lateral



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	ATi-08	Aro fixo		1	L
				2	H
	ATi-65	Aro móvel		2	L1-56 mm
				2	H-98 mm
	ATi-06	Travessa		1	L-81 mm
				1	H-101mm
	AX-15	Bite remate		1	L-90 mm
	AX-19	Vareta		1+1	Apro. L+H
	---	Bite (folha)		2	L1-180 mm
				2	H-262 mm
	---	Bite (fixo)		2	L2-67.5 mm
				2	H-150 mm

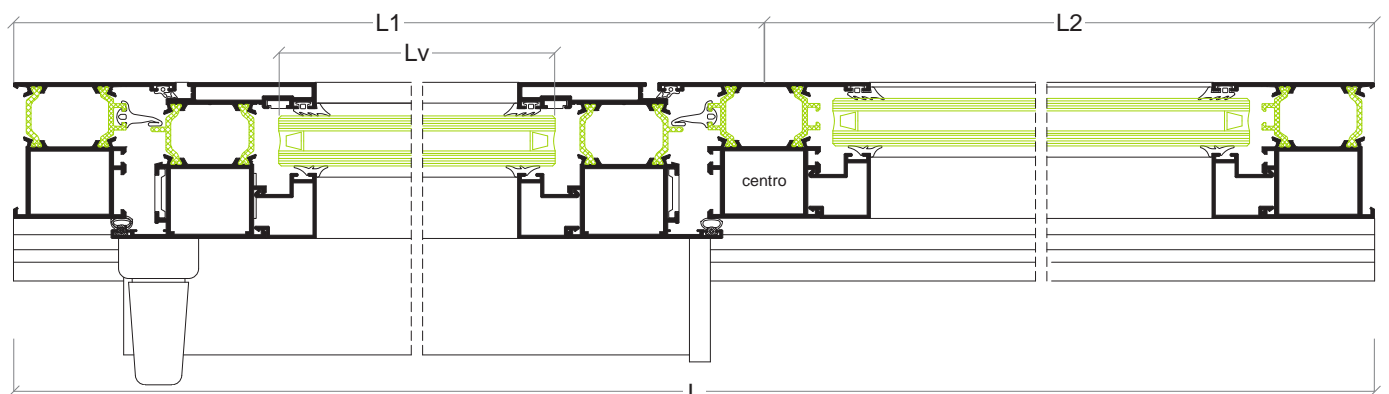
Acessórios e Juntas

Referência	Descrição	Quantidade
30 92 01 00	Goteiras	4
30 92 01 50	União topos porta	2
30 92 03 90	Esquadro porta	6
30 96 00 15	Esquadro alinhamento móvel	4
---	Kit oscilo-paralela	1
30 96 00 28	Esquadro alinhamento	4
30 93 00 90	Junta exterior	2L1+2H
30 93 05 10	Junta central	2L1+2H
30 93 01 20	Junta interior	2L1+2H
---	Junta exterior vidro	2L+2H
---	Junta interior vidro	2L+2H

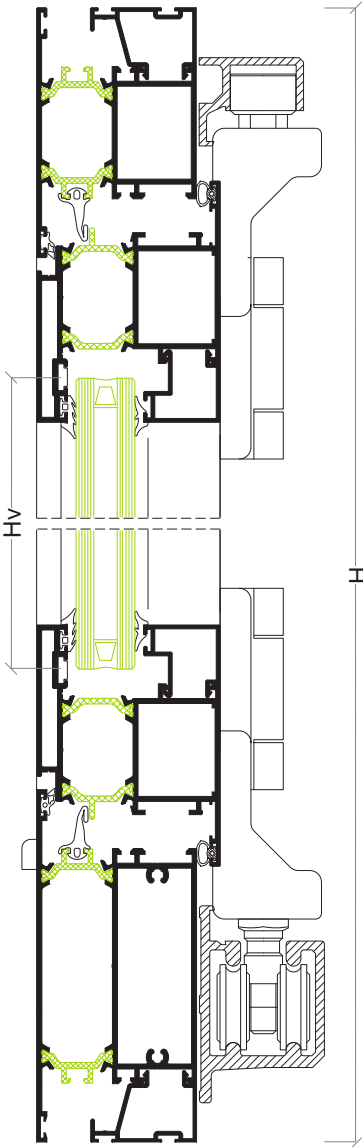
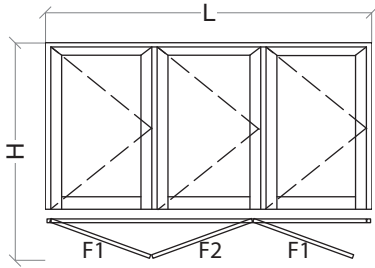
	Mínimo	Máximo
Largura da folha	700 mm	1650 mm
Altura da folha	850 mm	2400 mm
Peso máximo por folha 150 kg		

Vidro

Hv folha = H-236 mm	Lv folha = L1-193 mm
Hv fixo = H-124 mm	Lv fixo = L2-81 mm



Porta 3 folhas harmónio



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	ATi-08	Aro fixo		2	H
	ATi-06	Travessa		1	L-81 mm
	AXi-12	Travessa		1	L-81
	ATi-65	Aro móvel		6	(consultar)
				6	(consultar)
	ATi-04	Inversor		2	(consultar)
	AX-15	Bite remate		2	L-90 mm
	AX-19	Vareta		2	2H
	---	Bite		6	(consultar)
				6	(consultar)

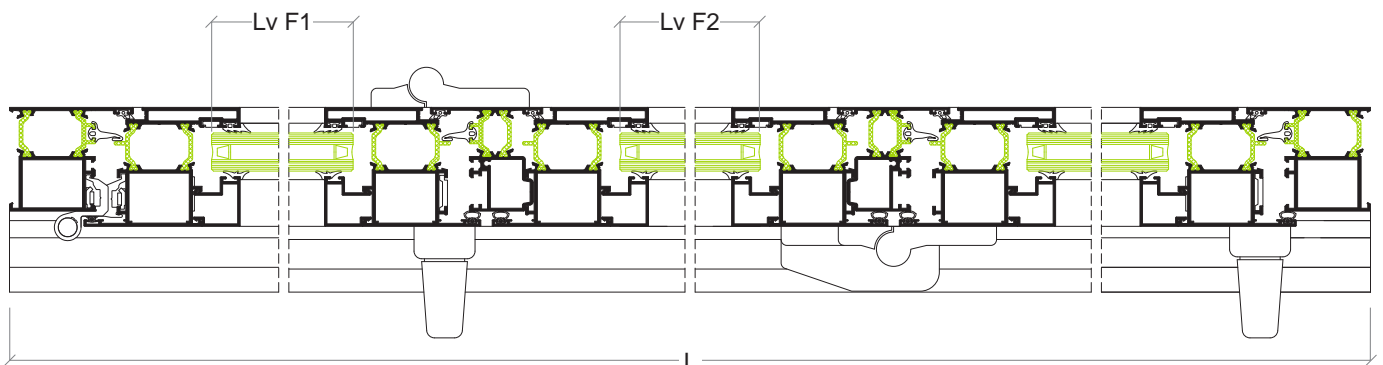
Acessórios e Juntas

Referência	Descrição	Quantidade
30 92 01 50	União topo porta	2
30 92 01 00	Goteiras	6
30 93 50 21	Jogo topos inversor	2
30 92 03 90	Esquadro porta	12
---	Kit harmónio (3+0)	1
30 92 01 20	Jogo fecho C.E.	1
30 96 00 28	Esquadro alinhamento	12
30 96 00 15	Esquadro móvel exterior	12
30 93 00 90	Junta exterior	2L+6H
30 93 05 10	Junta central	2L+4H
30 93 01 20	Junta interior	2L+6H
---	Junta exterior vidro	2L+6H
---	Junta interior vidro	2L+6H

	Mínimo	Máximo
Largura da folha	600 mm	900 mm
Altura da folha	850 mm	2400 mm
Peso máximo por folha 80 kg		

Vidro

Hv = consultar	Lv F1 = consultar
	Lv F2 = consultar



www.dineru.com



1



Sistema
ARi

Sistema ARi

Sistema de batente com RPT - 60 mm

Características do sistema

Sistema de batente com rotura térmica e de elevadas prestações térmicas e acústicas.

O sistema ARi possibilita a execução de 5 versões de caixilharia:

1. linha recta;
2. linha curva;
3. linha tradição;
4. linha oval;
5. Folha Oculta.

O sistema ARi permite a aplicação de vidros duplos ou triplos de alto rendimento de modo a responder às exigências de isolamento térmico e acústico.

A versão ARi Folha Oculta permite a ocultação do aro móvel.

Perfis de alumínio

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

Rotura térmica obtida por inserção de varetas isolantes de poliamida tipo ómega de 24 mm, reforçadas com 25% de fibra de vidro.

Espessura média dos perfis de alumínio de 1.5 mm para janelas e de 1.7 mm para portas.

Aros fixos

Secção dos aros fixos de 60 mm ou 84.5 mm com tripla câmara;

Aros fixos com esquadros duplos para montagem a meia esquadria;

Aros fixos tradicionais para mercado interno;

Aros fixos com clip exterior e aba de remate direta de 25 mm ou 45 mm;

Aros fixos com clip exterior e interior para aplicação de remate de 30 mm.

Aros móveis

Secção dos aros móveis de 68 mm com tripla câmara;

Enchimento para vidro duplo ou triplo de 10 mm a 45 mm para o sistema ARi;

Enchimento para vidro duplo até 23 mm para o sistema ARi Folha Oculta;

Aros móveis de linha recta, curva, tradição ou oval (sem bite);

Aros móveis com esquadros duplos para montagem a meia esquadria;

Perfil inversor de linha recta.

Dimensionamento e manobralidade

Dimensões mínimas - máximas de folha: 400 mm - 1500 mm (L); 400 mm - 2700 mm (H);

Possibilidades de abertura: fixo, batente interior 1 ou 2 folhas com oscilo-batente, exterior, basculante, projectante, pivotante, harmónio e oscilo-paralela;

Estanquidade assegurada através de juntas triplas em EPDM.

Performances

Sistema certificado por laboratório notificado para 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 ARi tipologia janela:

1. Permeabilidade ao ar: Classe 4 (norma de ensaio EN 1026)
2. Estanquidade à água: Classe E750 (norma de ensaio EN 1027)
3. Resistência ao vento: Classe C5 (norma de ensaio EN 12211)

Categorias alcançadas na avaliação do sistema ARi tipologia porta:

1. Permeabilidade ao ar: Classe 4 (norma de ensaio EN 1026)
2. Estanquidade à água: Classe 9A (norma de ensaio EN 1027)
3. Resistência ao vento: Classe C3 (norma de ensaio EN 12211)
4. Resistência à torção estática: Apto 350N (norma de ensaio EN 14609)

Categorias alcançadas na avaliação do sistema ARi-Folha Oculta 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 C5 (norma de ensaio EN 12211)

Coefficiente de transmissão térmica de vão de 2 folhas, sistema Ari, com 1.20 m x 1.50 m com vidro $U_g = 0.7 \text{ W/m}^2\text{K}$, com intercalar efeito "Warm Edge":

• $U_w = 1.54 \text{ W/m}^2\text{K}$

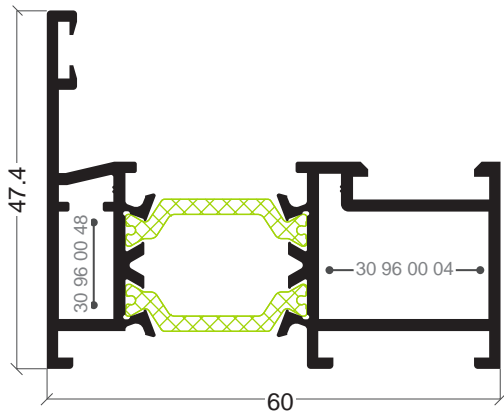
Coefficiente de transmissão térmica de vão de 2 folhas, sistema ARi Folha Oculta com 1.80 m x 2.20 m com vidro $U_g = 1.1 \text{ W/m}^2\text{K}$, com intercalar efeito "Warm Edge":

• $U_w = 1.70 \text{ W/m}^2\text{K}$

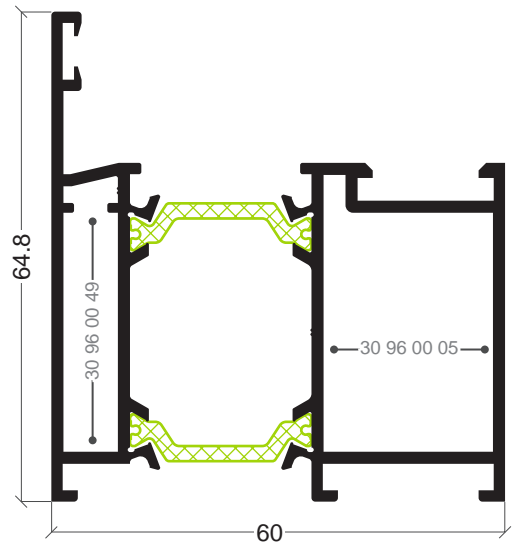
Coefficiente de atenuação acústica de vão de 2 folhas com vidro 4/16 (gás Argon)/6:

• $R_w \text{ (C; Ctr)} = 34 \text{ dB (-1; -4)}$

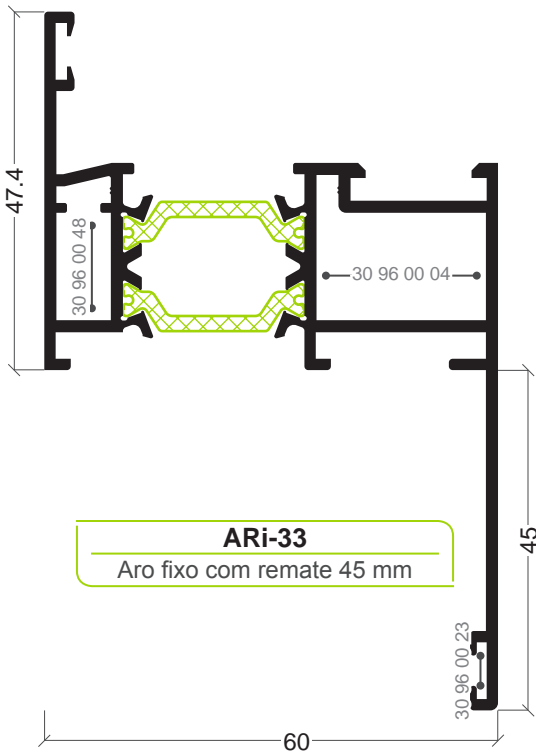
Zonas de aplicação segundo RCCTE (em função do valor U_g): I1, I2, I3, V1, V2, V3.



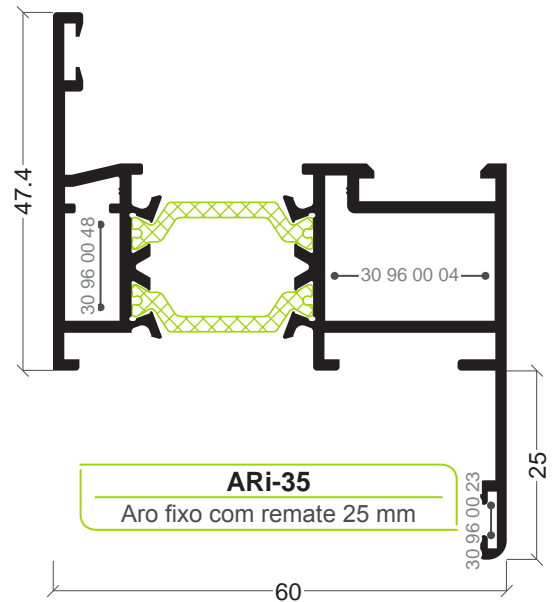
ARi-03
Aro fixo



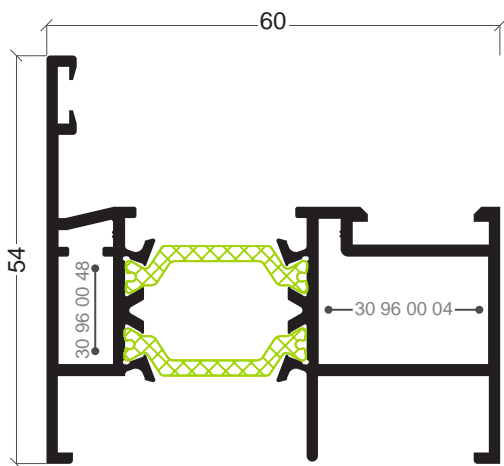
ARi-08
Aro fixo



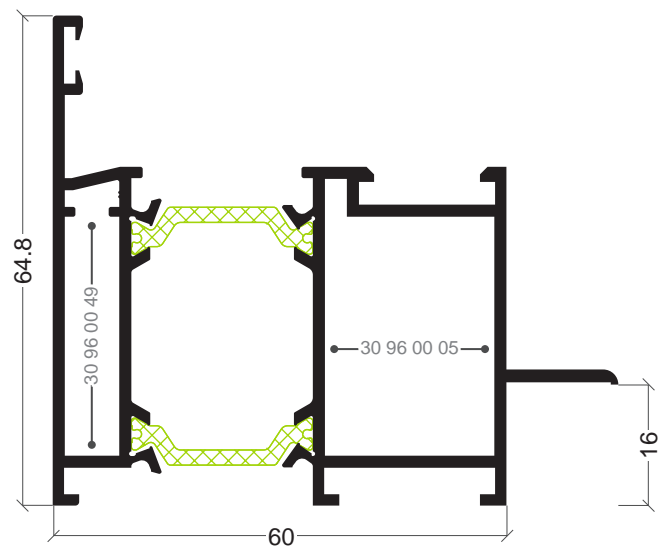
ARi-33
Aro fixo com remate 45 mm



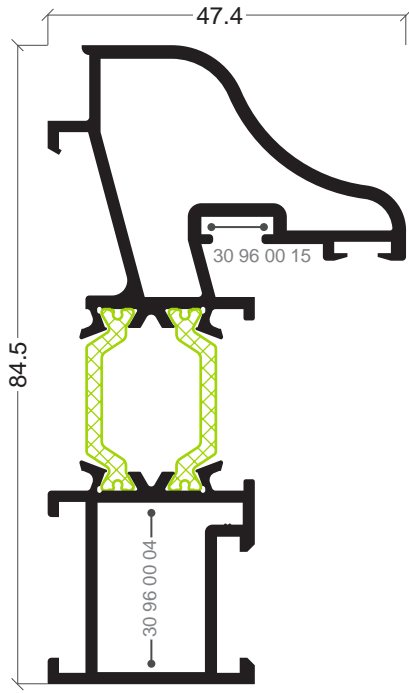
ARi-35
Aro fixo com remate 25 mm



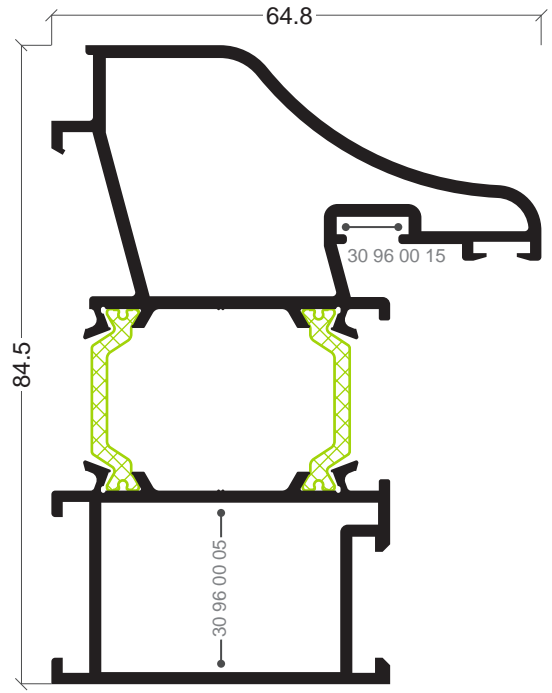
ARi-81
Aro fixo



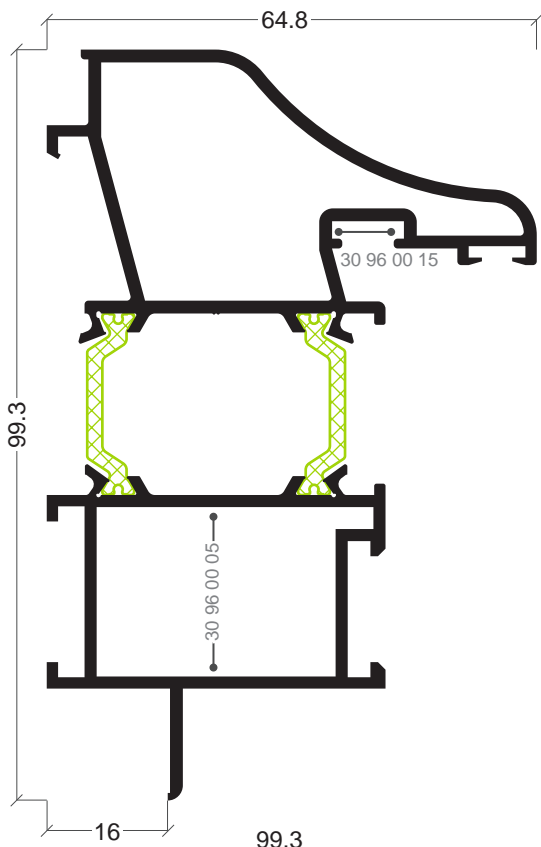
ARi-68
Aro fixo para apainelado



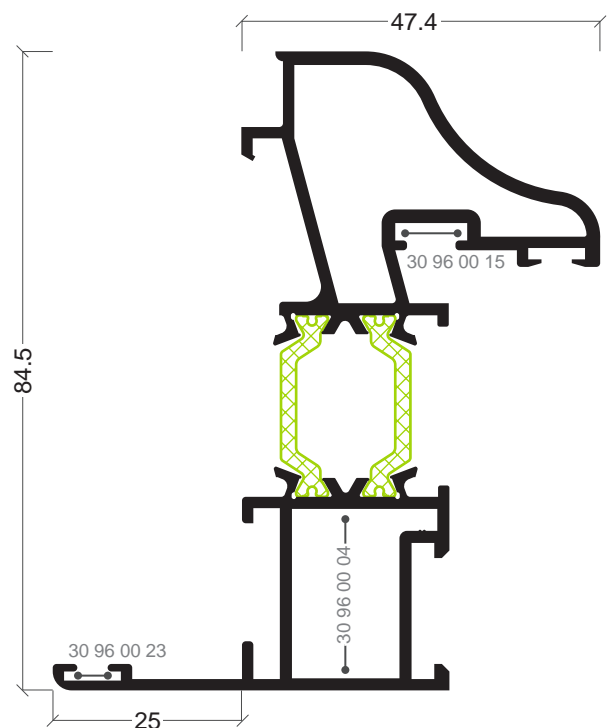
ARi-57
Aro fixo tradição



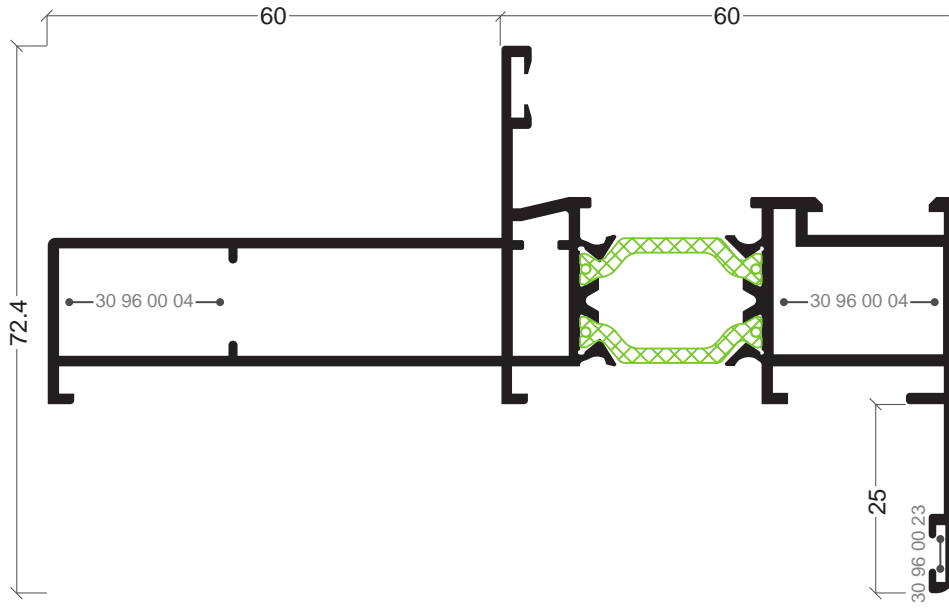
ARi-59
Aro fixo tradição



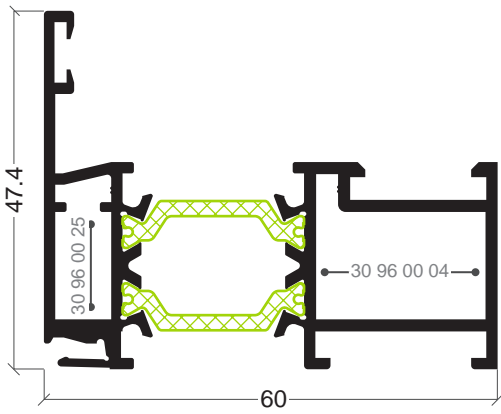
ARi-69
Aro fixo para apainelado



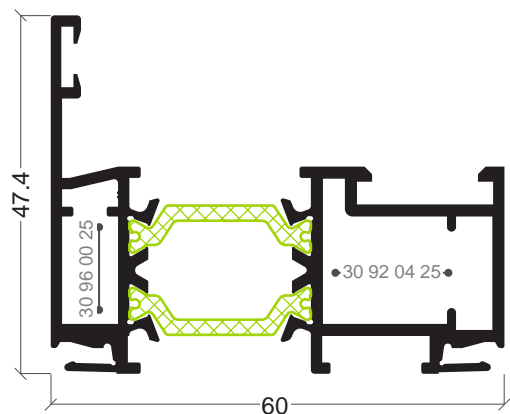
ARi-77
Aro fixo com remate



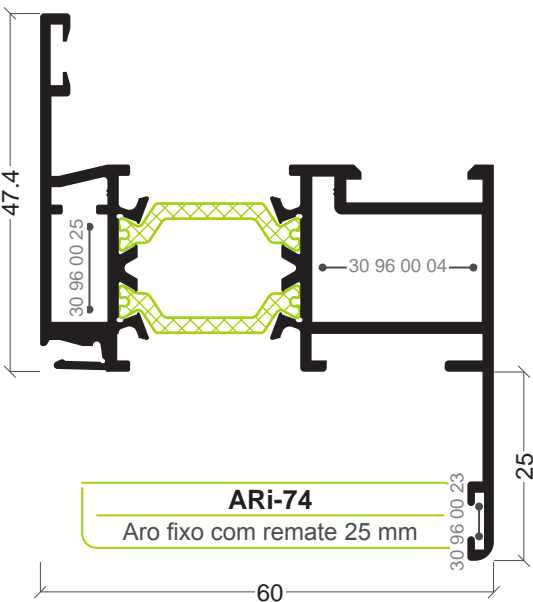
ARi-86
Aro fixo com remate



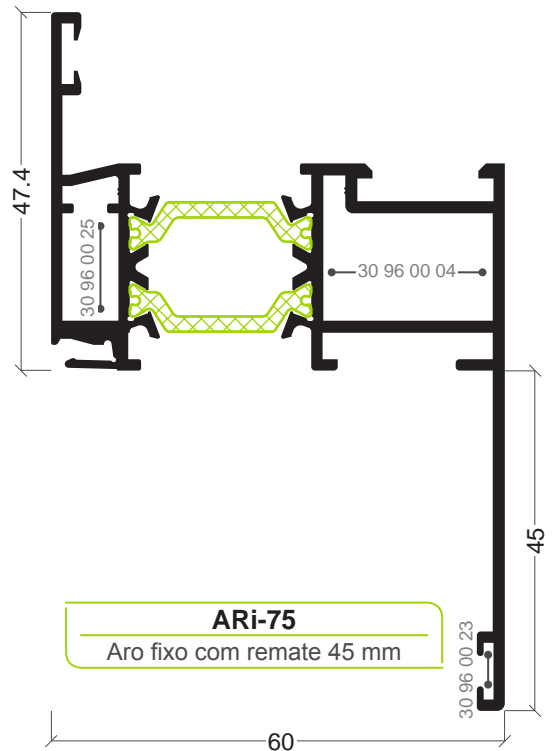
ARi-76
Aro fixo



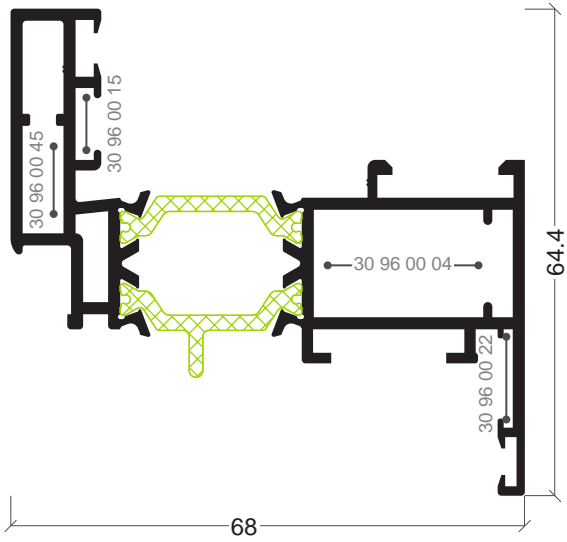
ARi-80
Aro fixo com clip interior/exterior



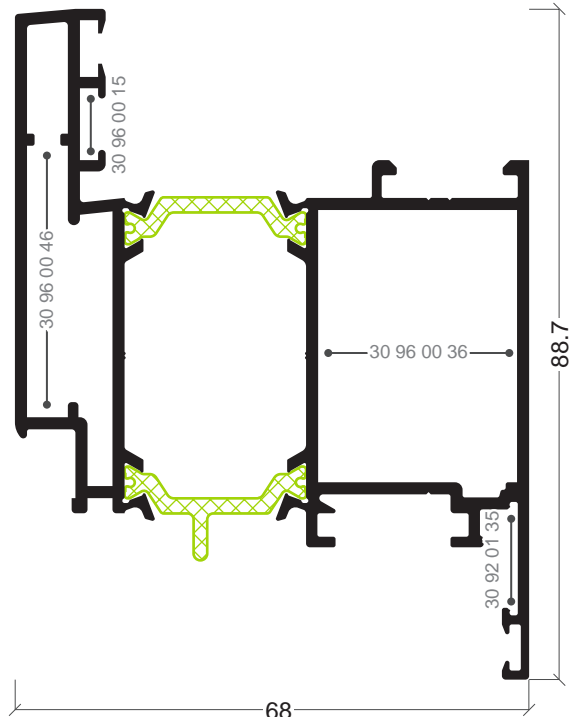
ARi-74
Aro fixo com remate 25 mm



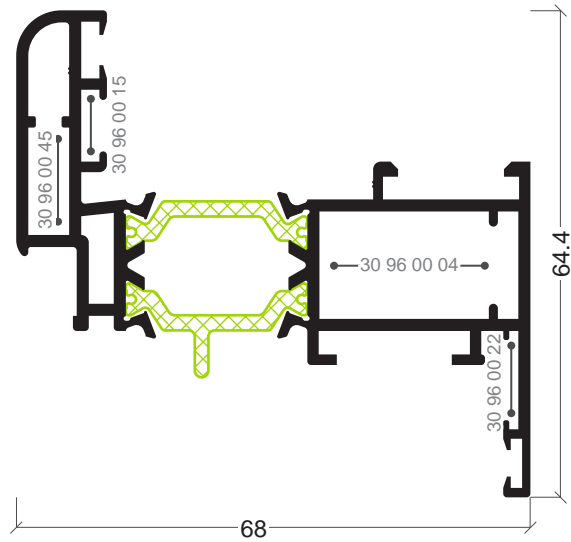
ARi-75
Aro fixo com remate 45 mm



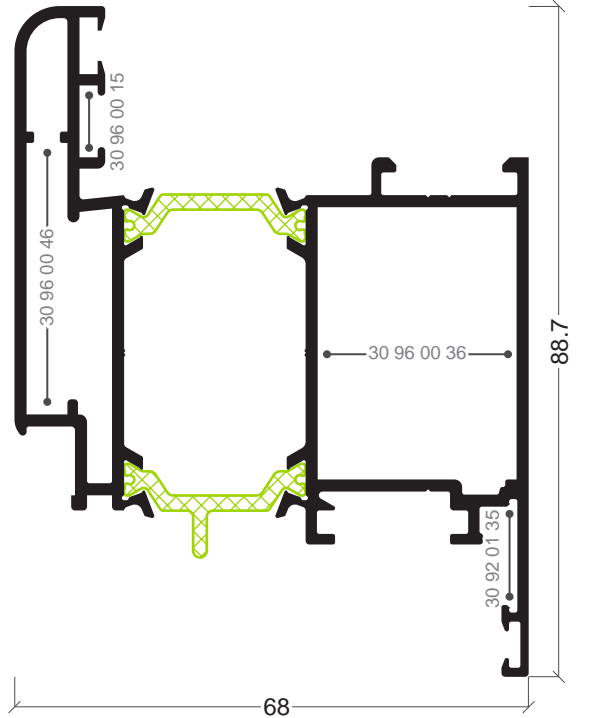
ARi-61
Aro móvel



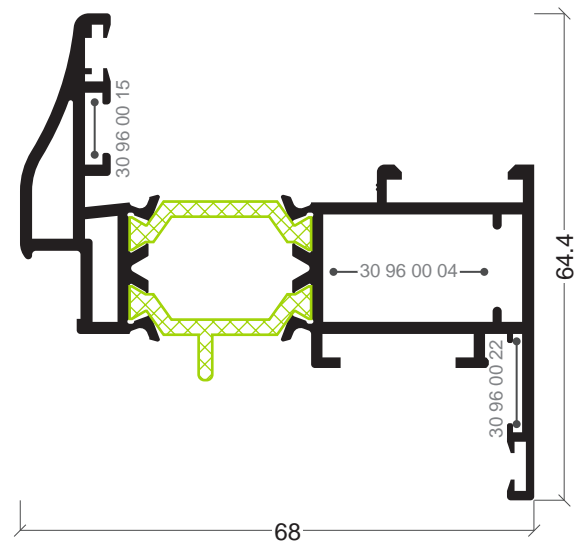
ARi-36
Aro móvel



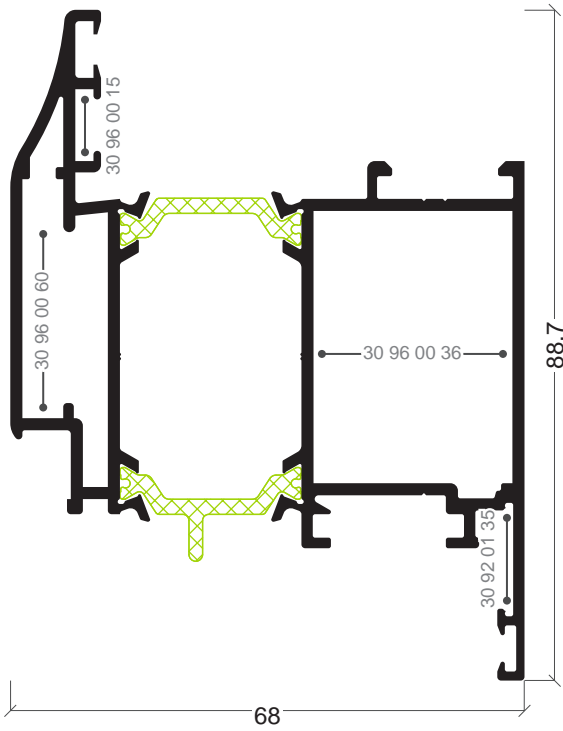
ARi-05
Aro móvel



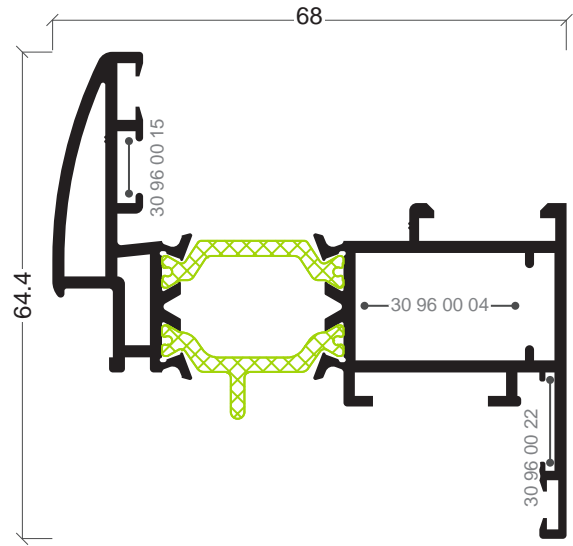
ARi-10
Aro móvel



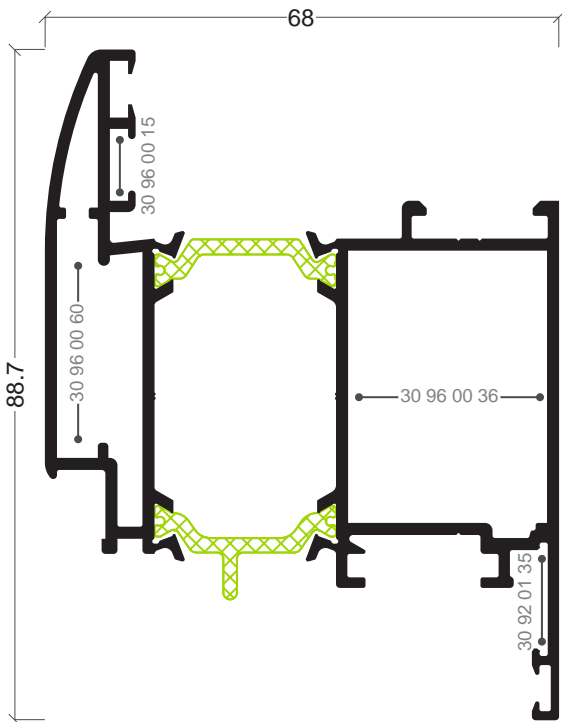
ARi-58
Aro móvel tradição



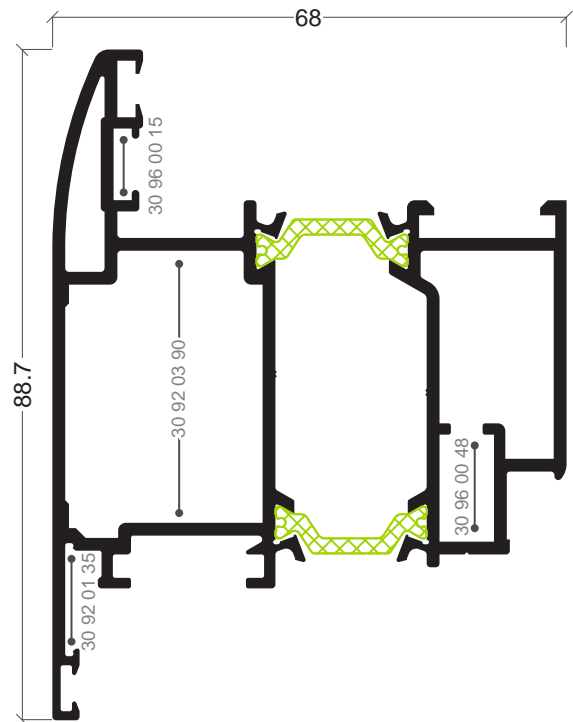
ARi-60
Aro móvel tradição



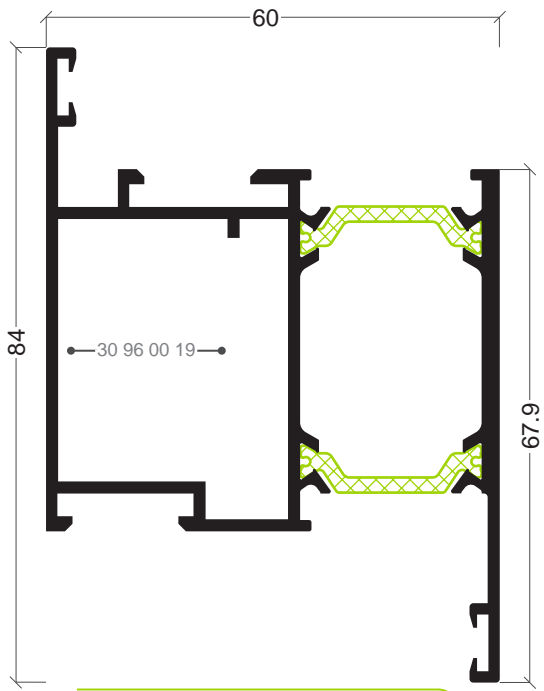
ARi-83
Aro móvel



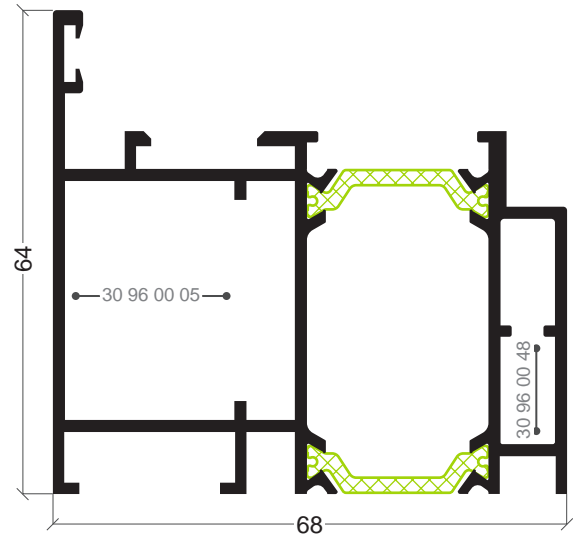
ARi-84
Aro móvel



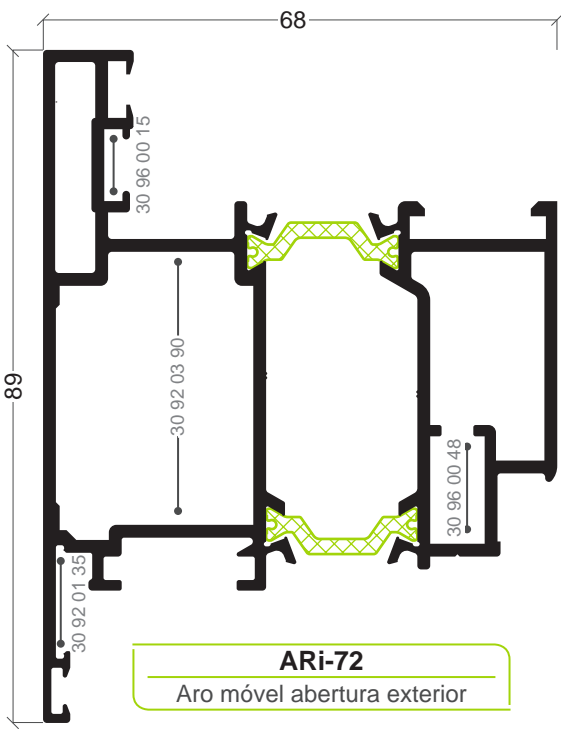
ARi-85
Aro móvel



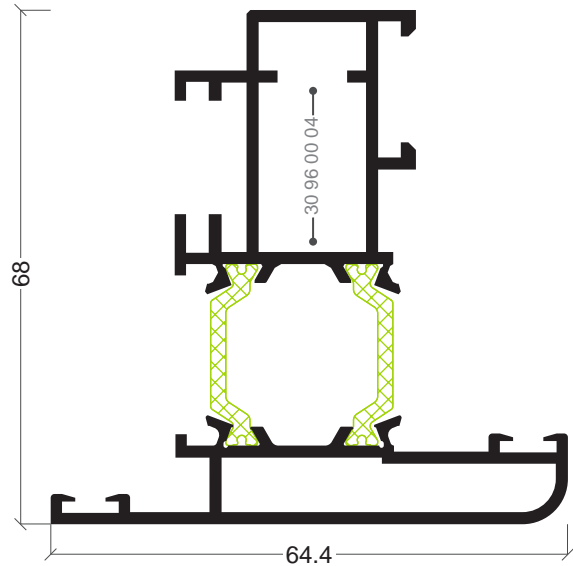
ARi-11
Aro fixo abertura exterior com fixo lateral



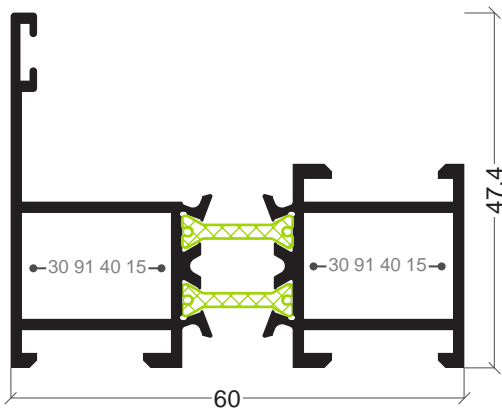
ARi-09
Aro fixo abertura exterior ARi-25



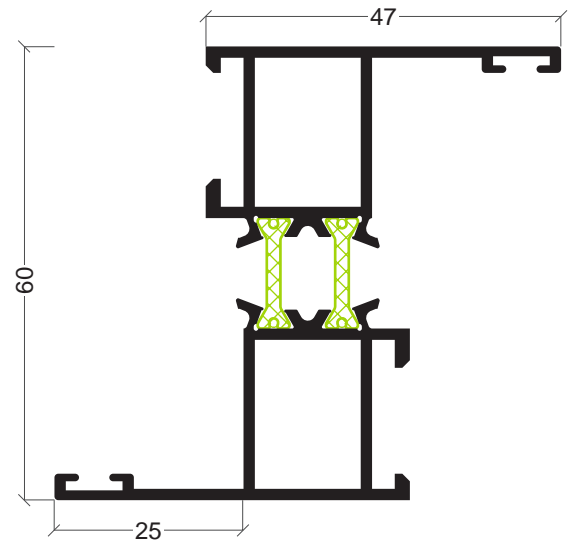
ARi-72
Aro móvel abertura exterior



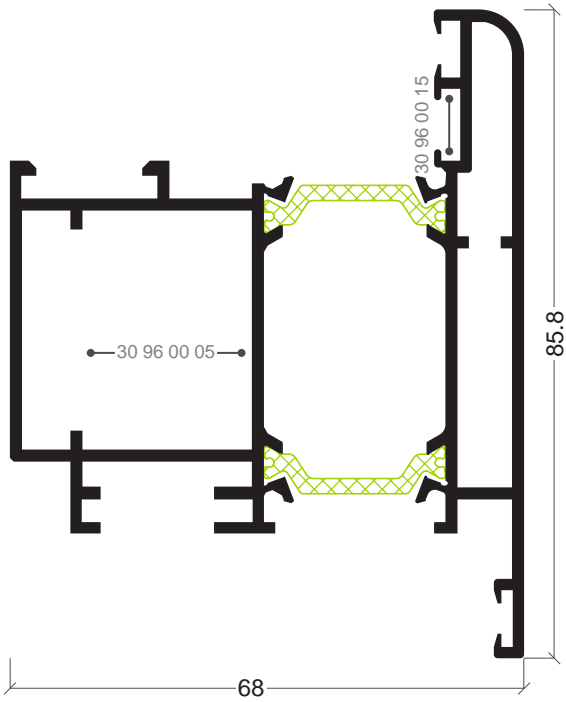
ARi-02
Aro móvel pivotante



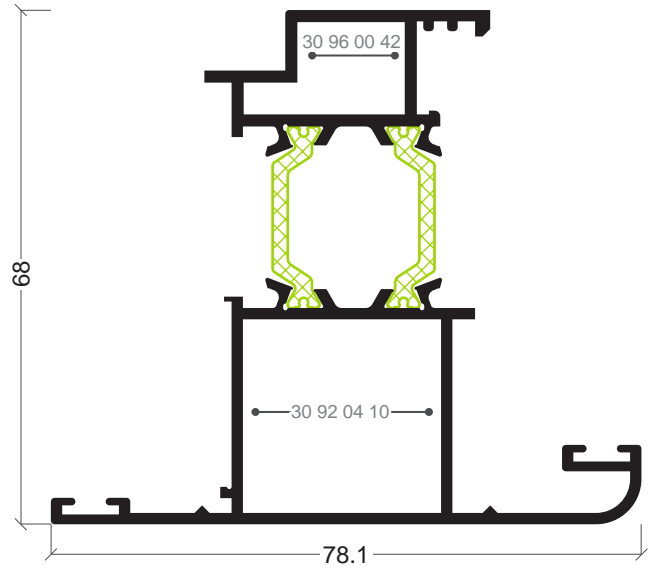
ARi-38
Aro fixo projectante



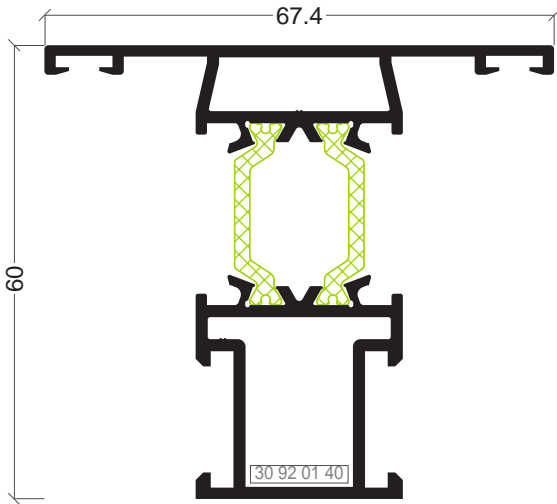
ARi-39
Aro fixo projectante com fixo



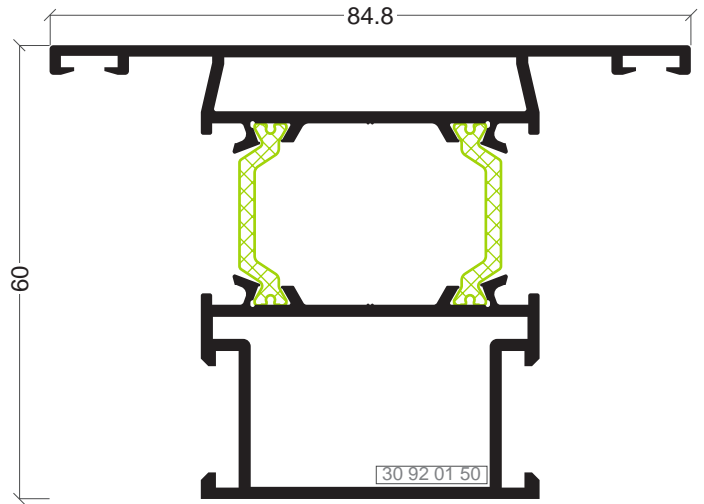
ARi-25
Aro móvel abertura exterior ou pivotante



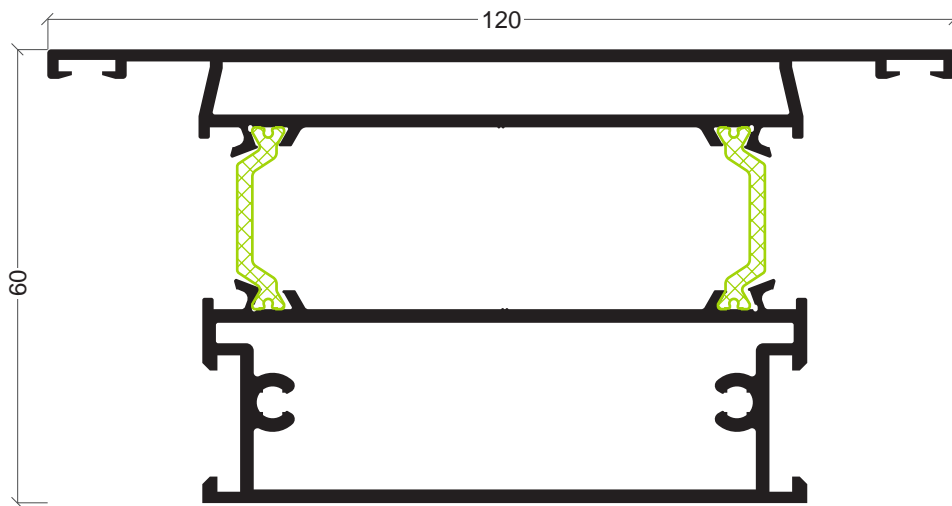
ARi-07
Aro móvel projectante



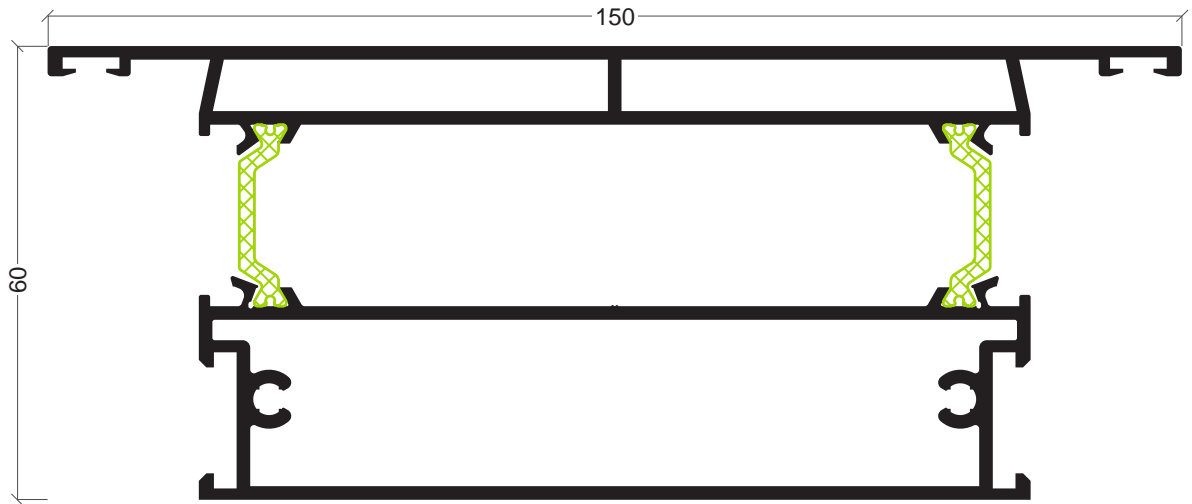
ARi-01
Travessa



ARi-06
Travessa

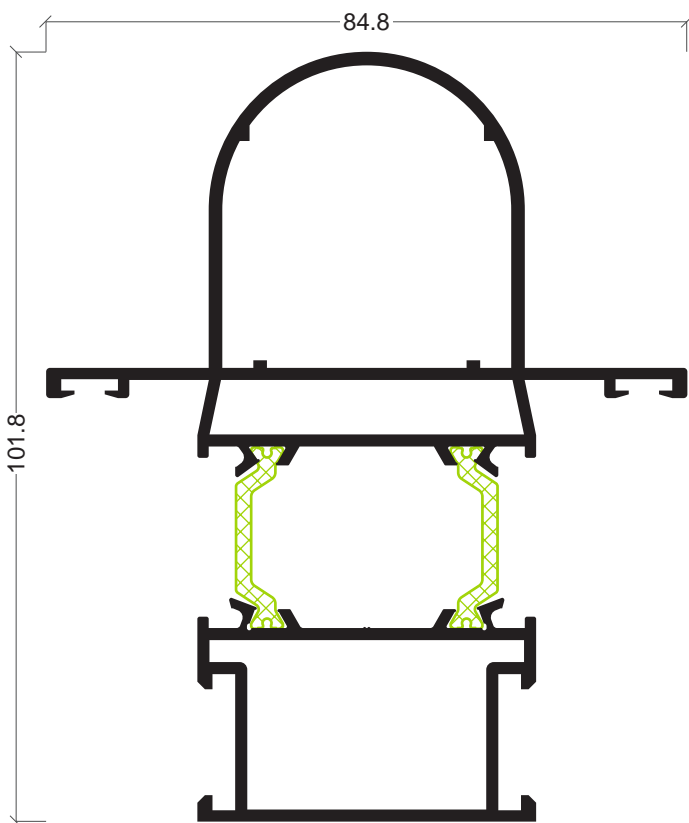


ARi-12
Travessa

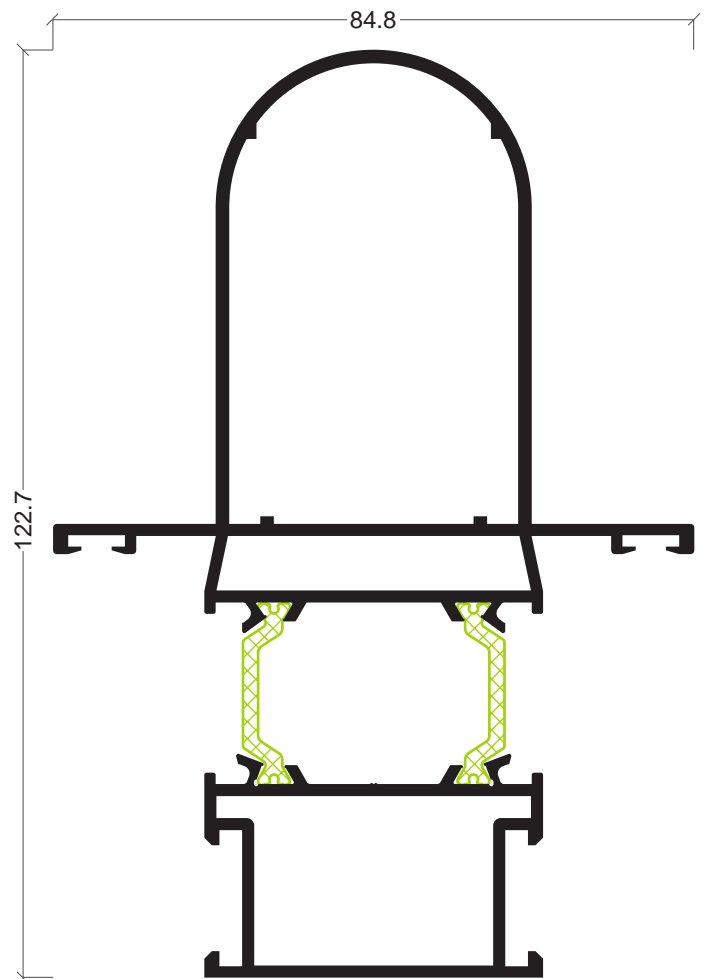


ARi-13
Travessa

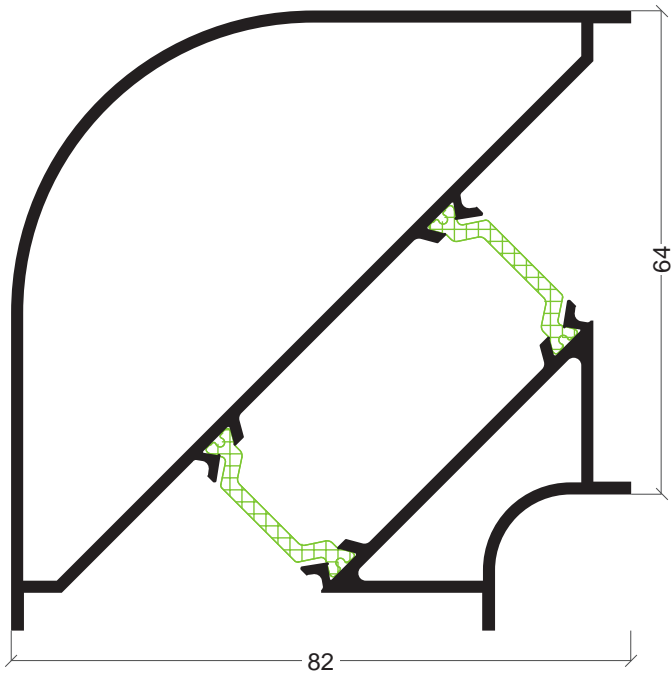
10



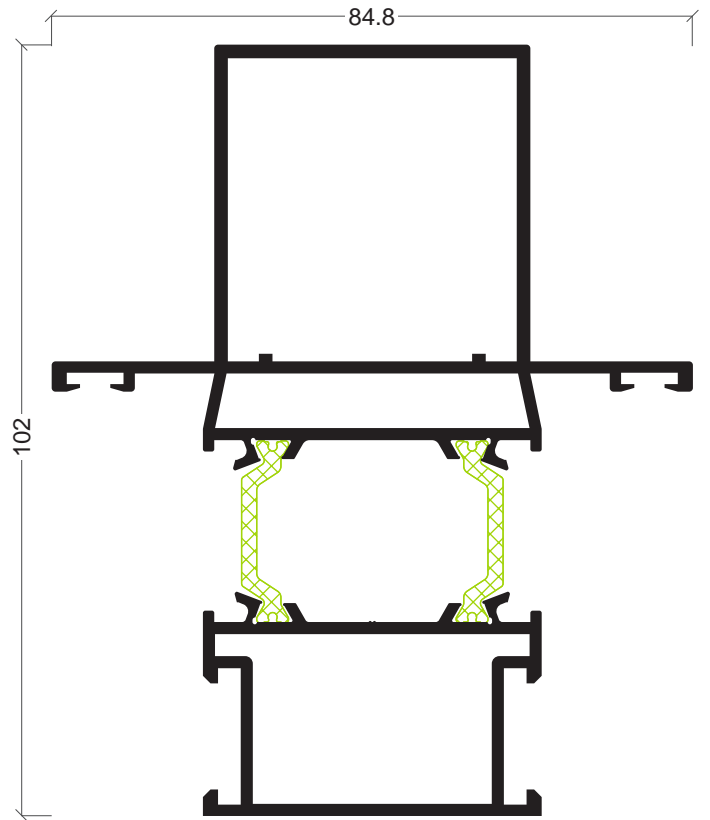
ARi-17
Montante curvo



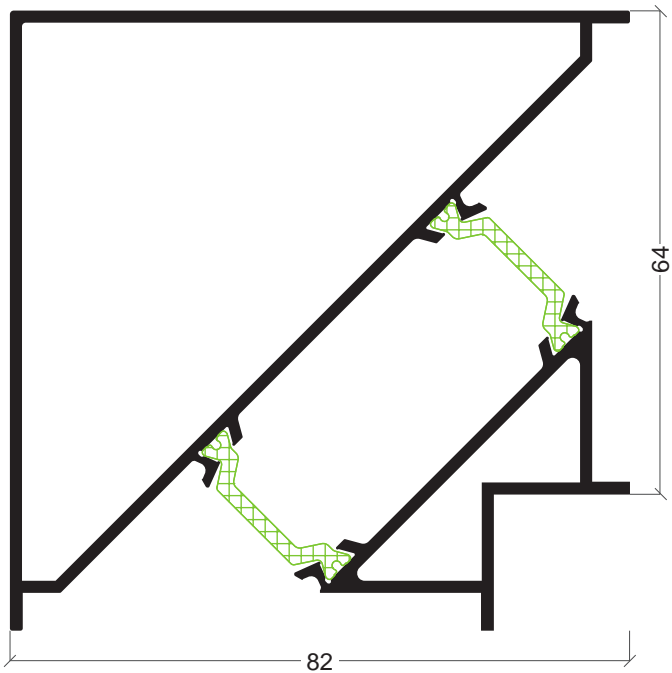
ARi-18
Montante curvo



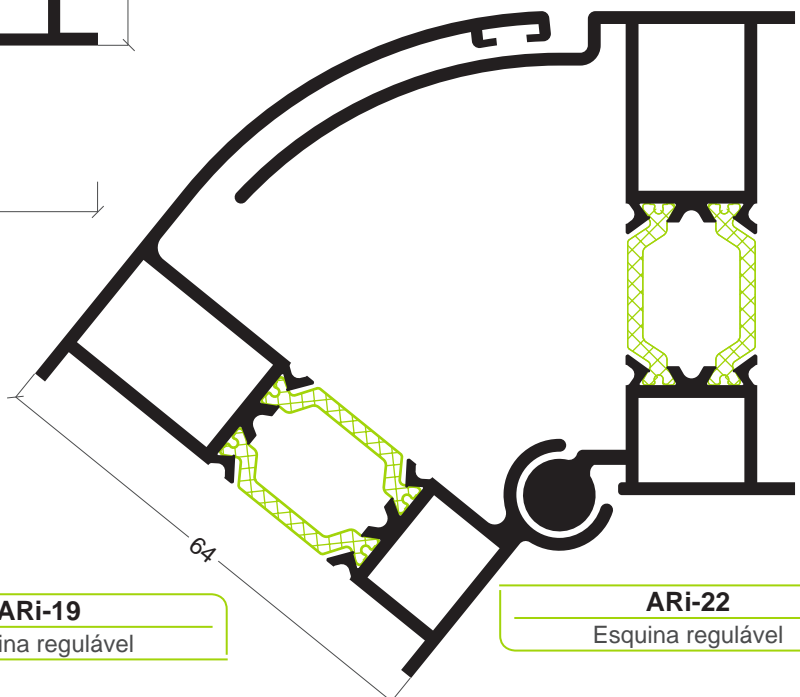
ARi-16
Esquina 90°



ARi-79
Montante recto

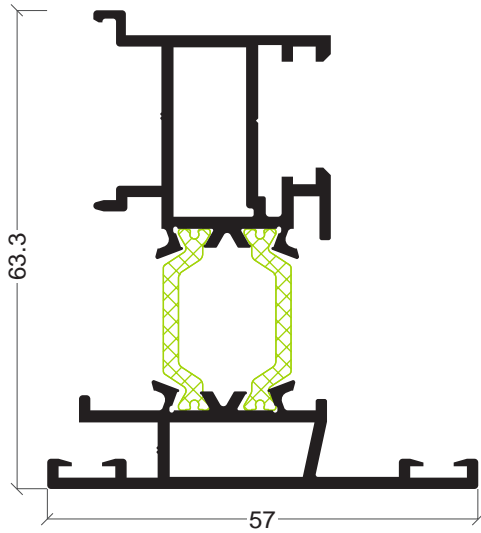


ARi-64
Esquina 90°

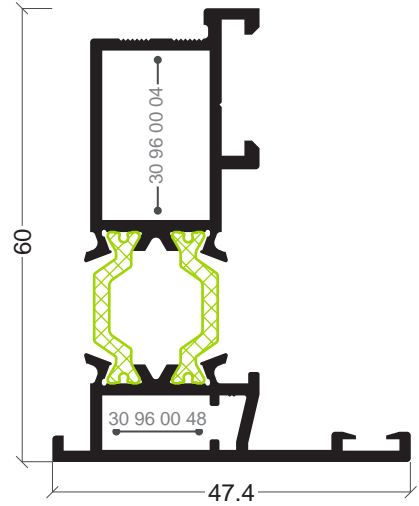


ARi-19
Esquina regulável

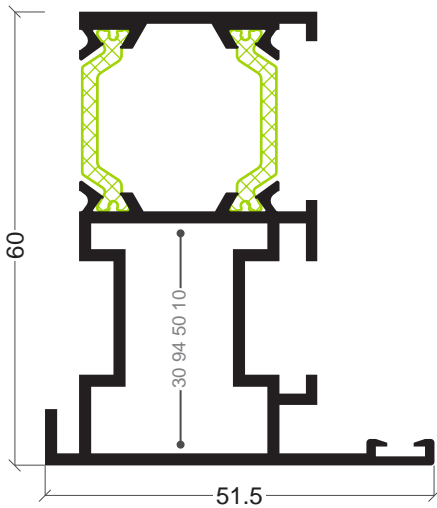
ARi-22
Esquina regulável



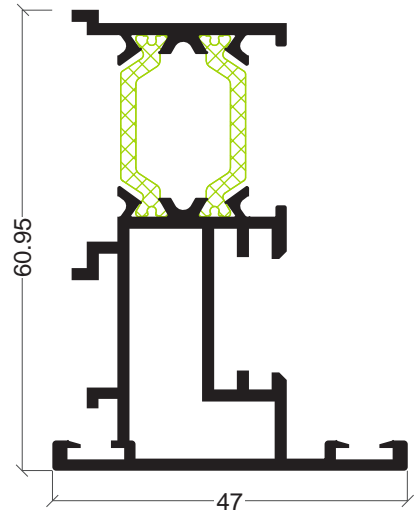
ARi-04
Inversor



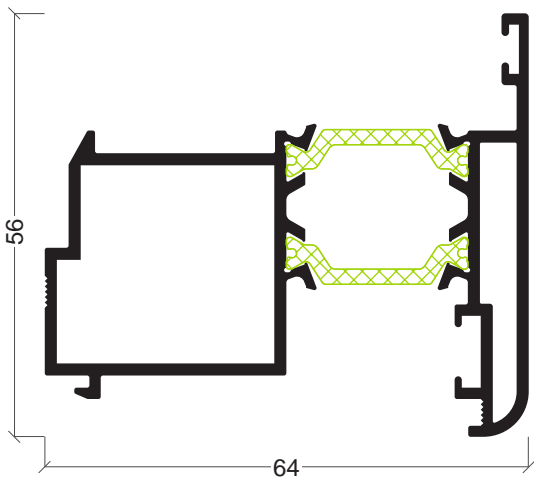
ARi-73
Inversor de sentido de abertura



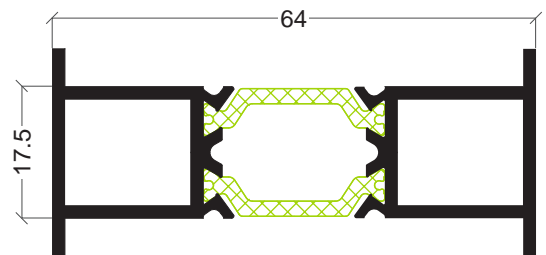
ARi-14
Inversor pivotante



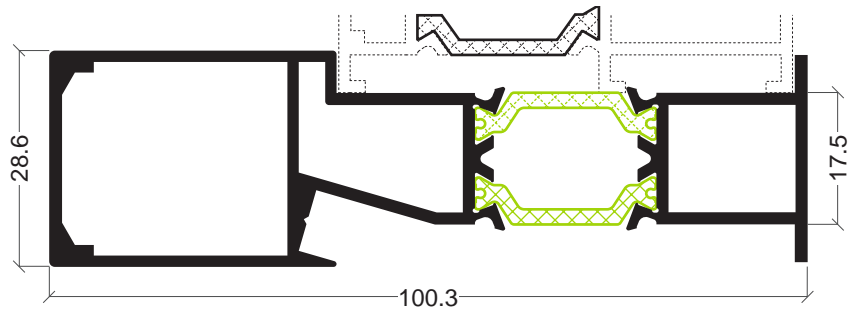
ARi-15
Inversor para ARi-25



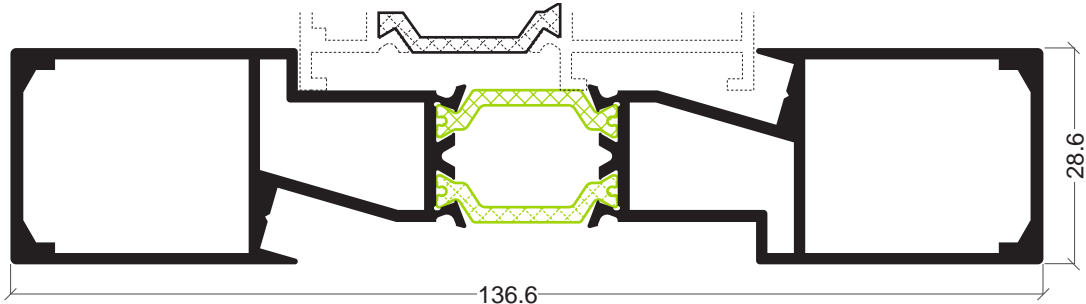
ARi-51
Inversor projectante



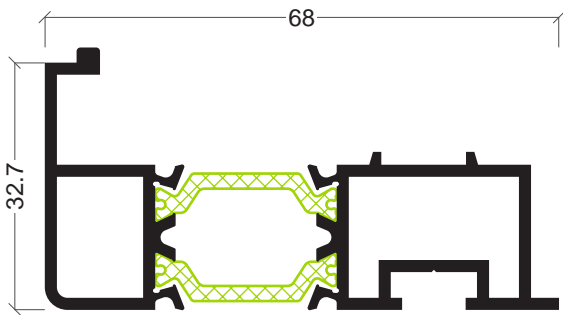
ARi-21
União de aros



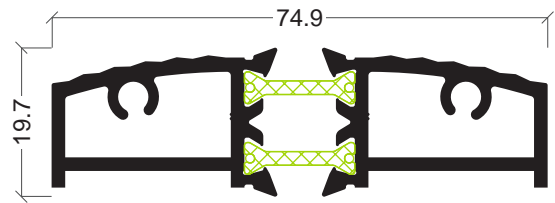
ARi-65
União de aros com reforço



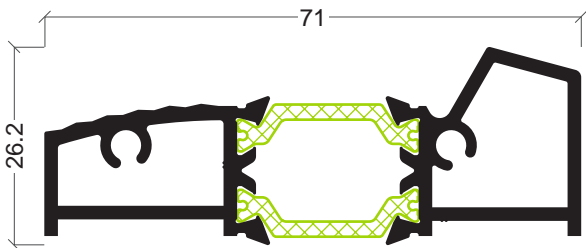
ARi-67
União de aros com reforço



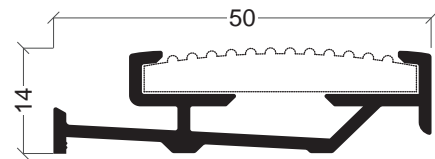
ARi-23
Remate almofada



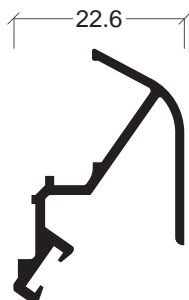
AXi-69
Remate inferior porta



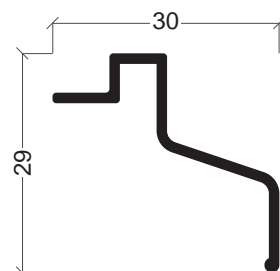
ARi-63
Remate inferior porta



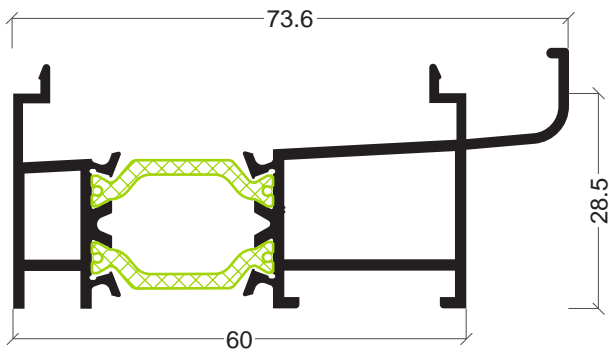
AZ-69
Remate inferior porta



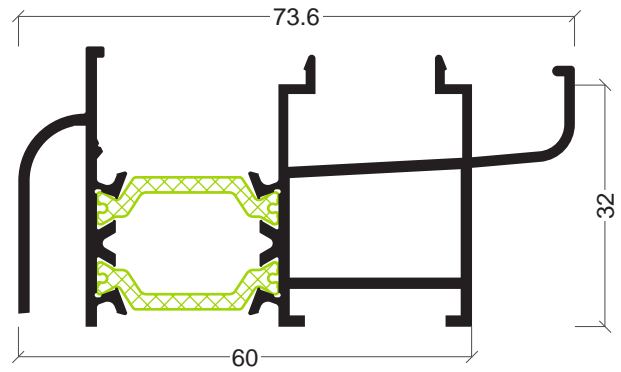
ARi-62
Pingadeira inferior porta



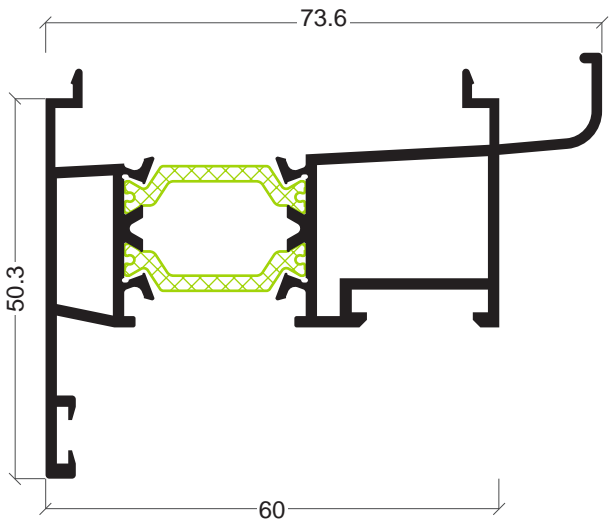
AXi-45
Pingadeira



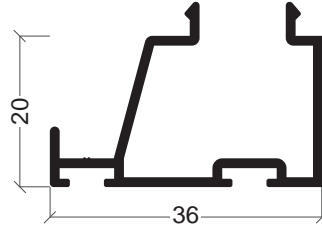
CT-11
Soleira condensação



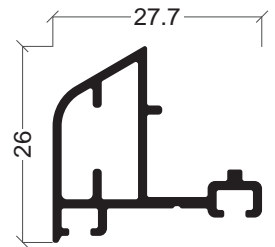
ARi-49
Soleira condensação



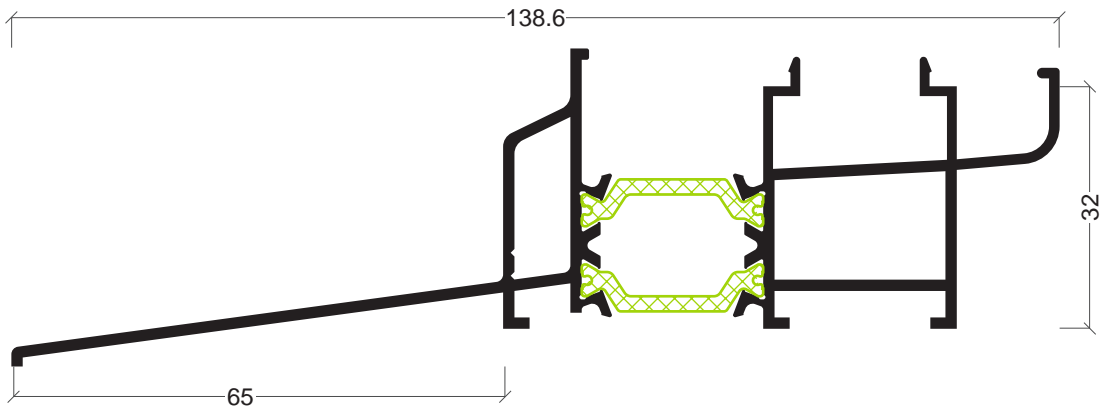
ARi-20
Soleira condensação com fixo inferior



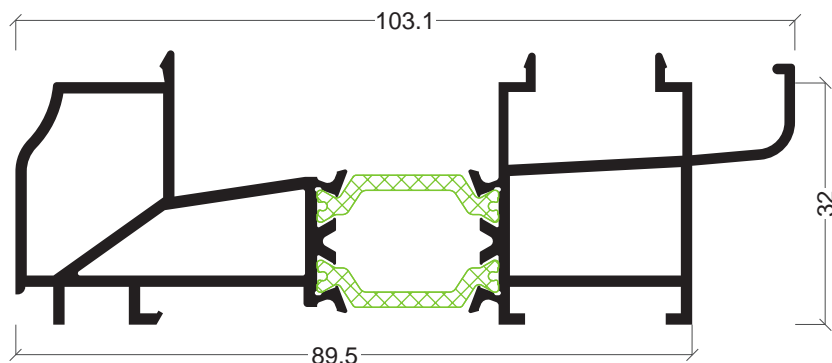
AX-15
Bite remate



AZ-79
Pingadeira



ARi-50
Soleira condensação com pingadeira



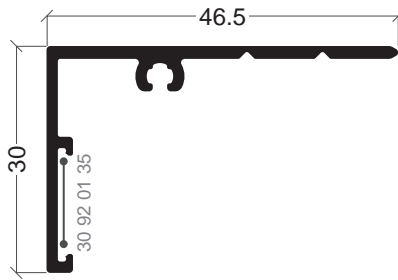
ARi-56
Soleira condensação tradição



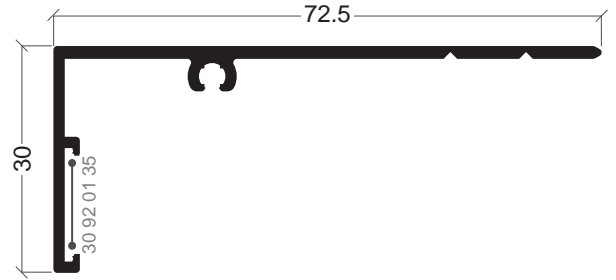
AXi-91
Complemento remate



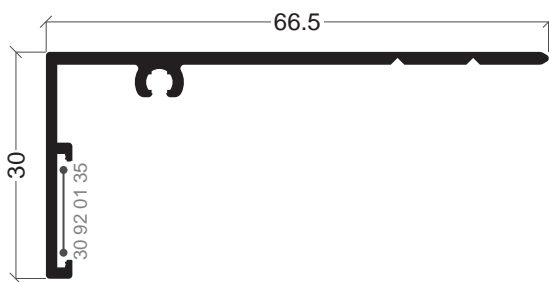
AXi-88
Complemento remate



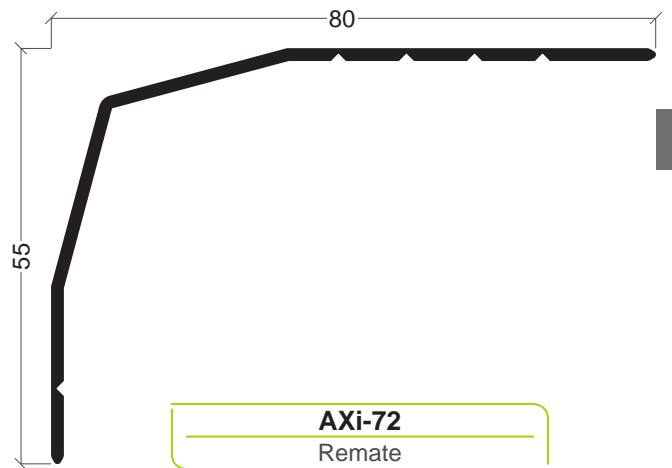
AXi-80
Remate



AXi-83
Remate



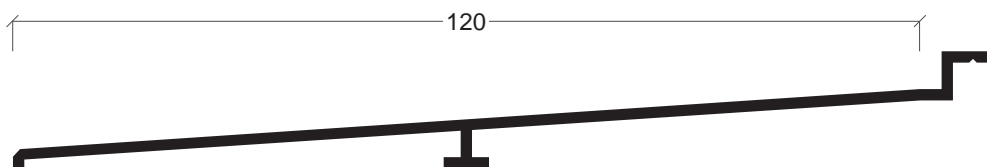
AXi-73
Remate



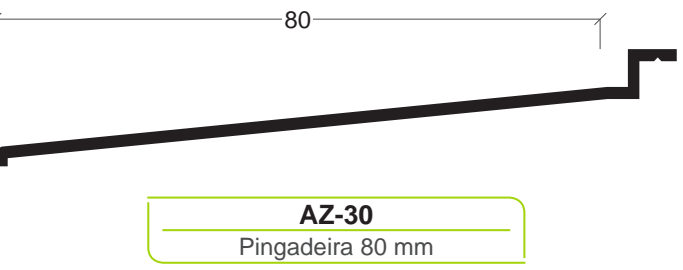
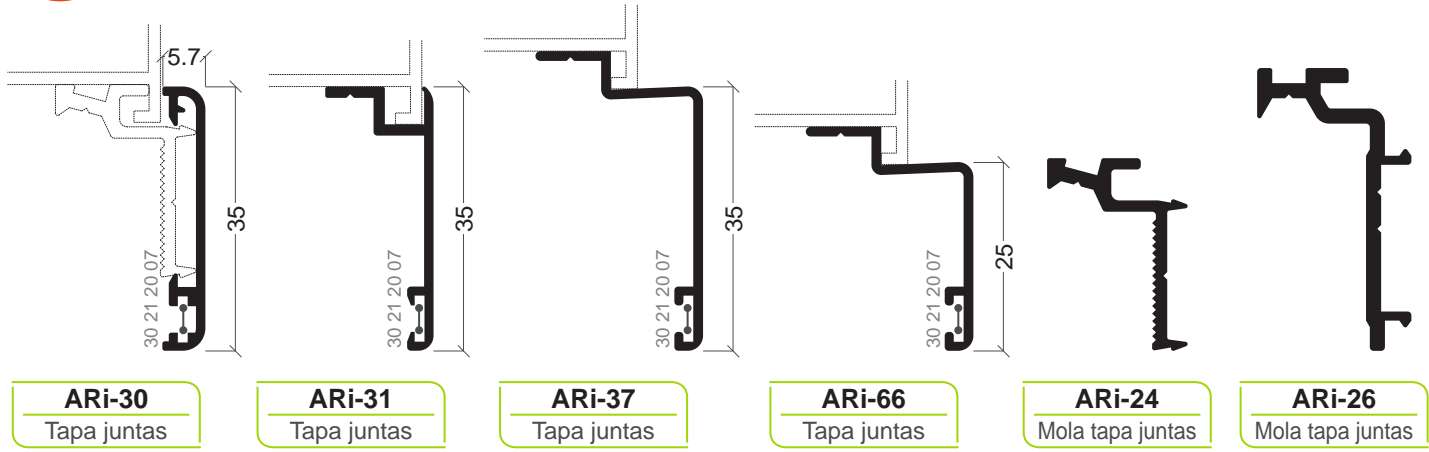
AXi-72
Remate



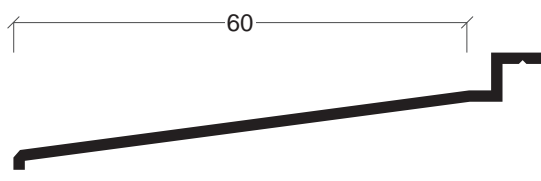
S-09
Remate



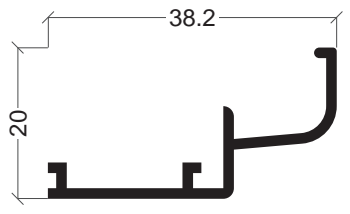
AZ-24
Pingadeira 120 mm



AZ-30
Pingadeira 80 mm



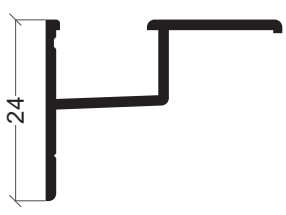
AZ-23
Pingadeira 60 mm



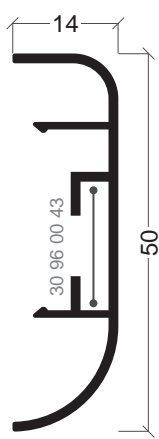
ARi-32
Complemento condensação



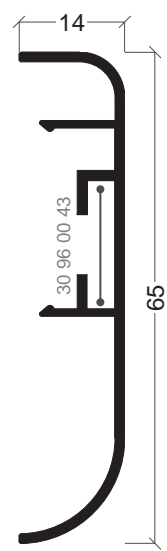
AXi-32
Complemento abertura projectante



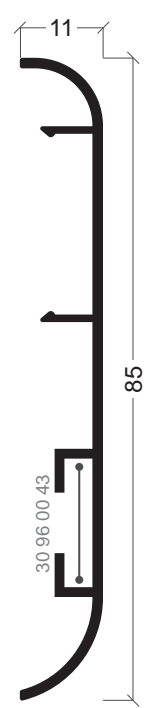
Y-20
Recolha de águas condensação



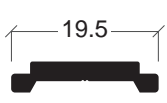
ARi-27
Tapa juntas



ARi-34
Tapa juntas



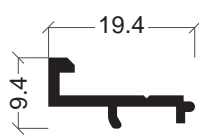
ARi-28
Tapa juntas



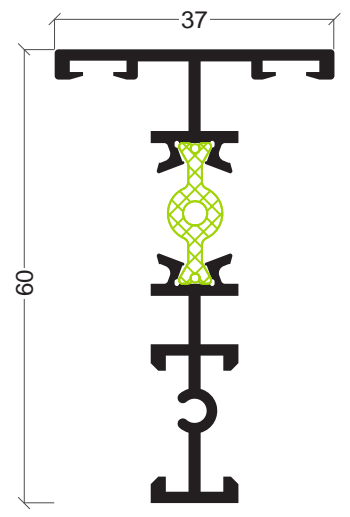
AX-19
Vareta



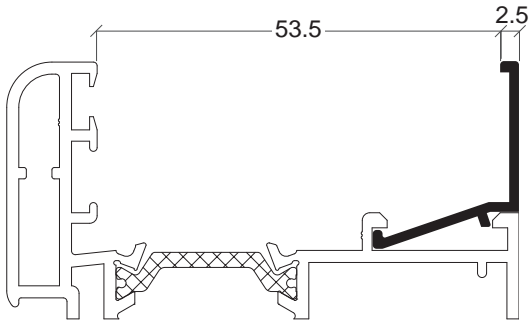
AX-33
Mola Bite



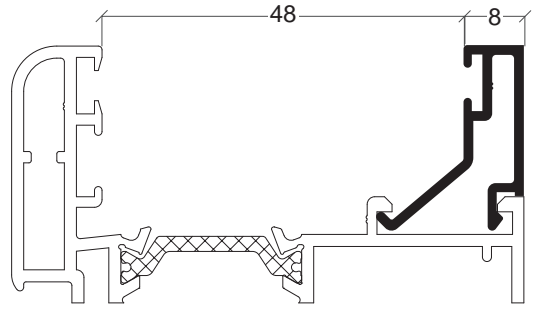
ARi-29
Apoio bite ARi-07



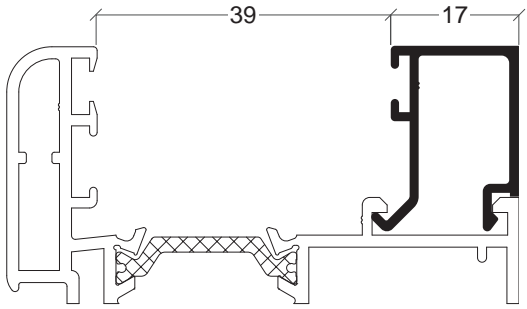
ARi-40
Divisor de vidro



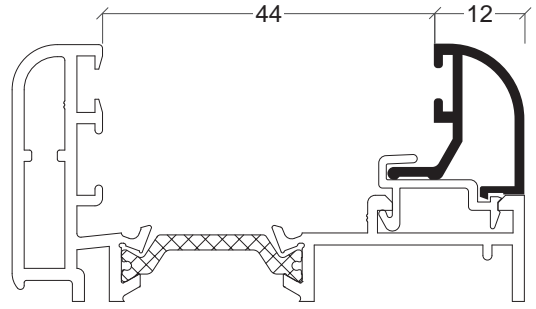
AX-69



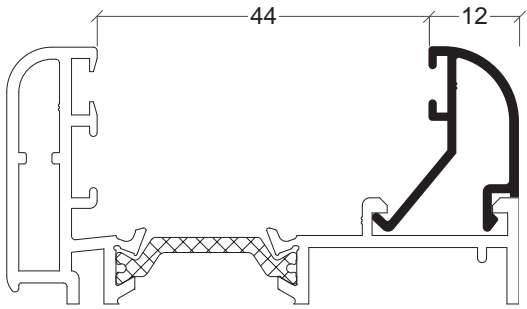
AX-74



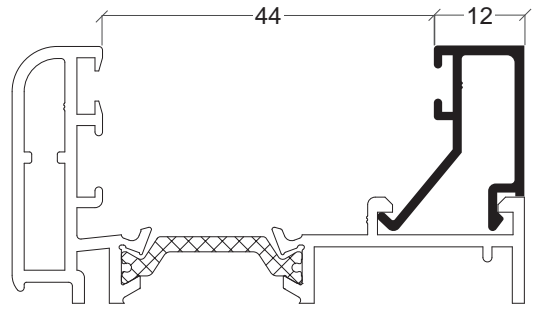
AX-46



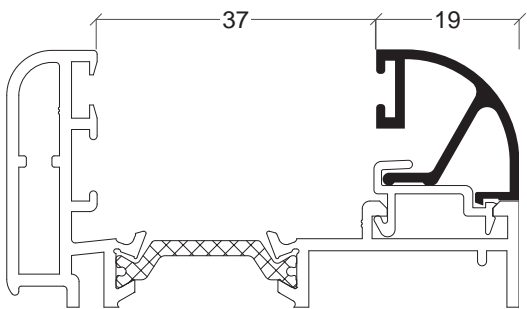
AX-37



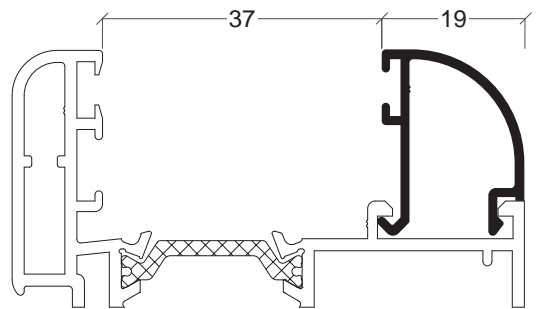
AZ-08



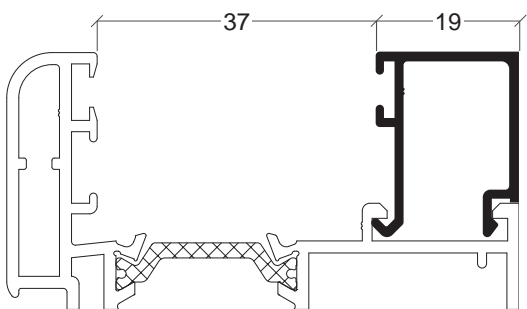
AX-36



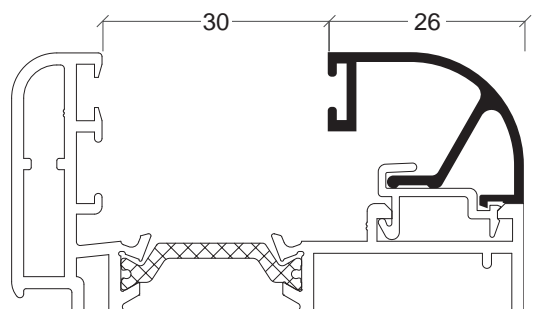
AX-30



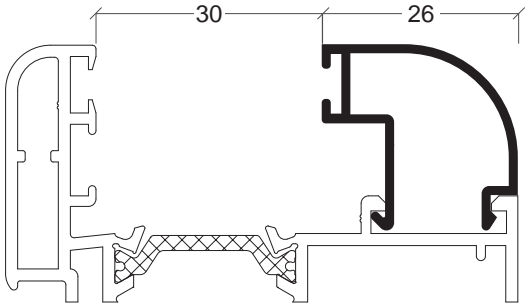
AZ-07



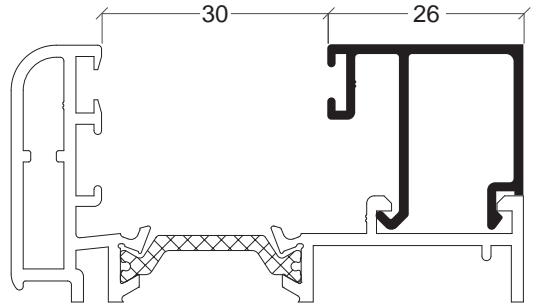
AX-35



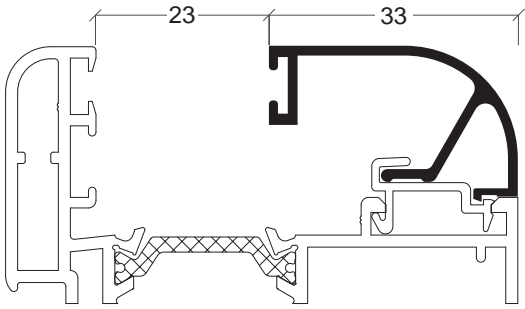
AX-29



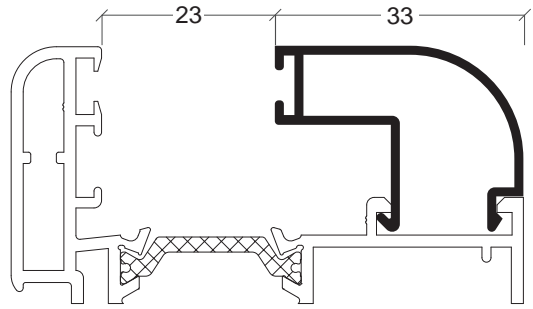
AZ-06



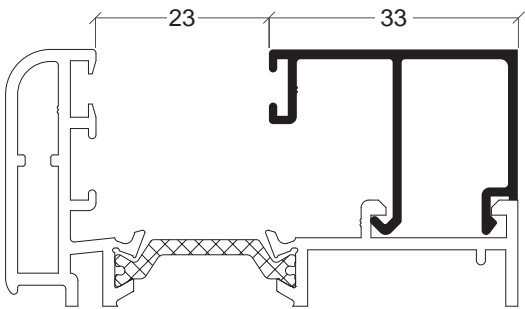
AX-31



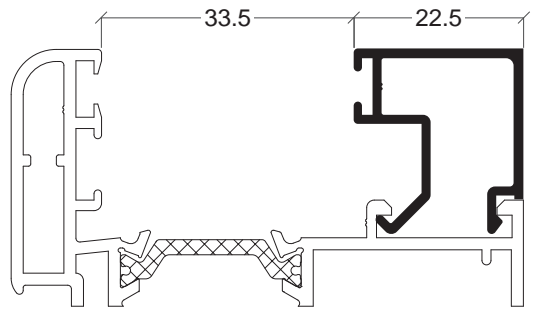
AX-39



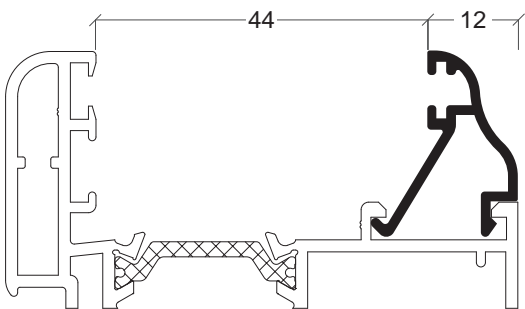
AZ-28



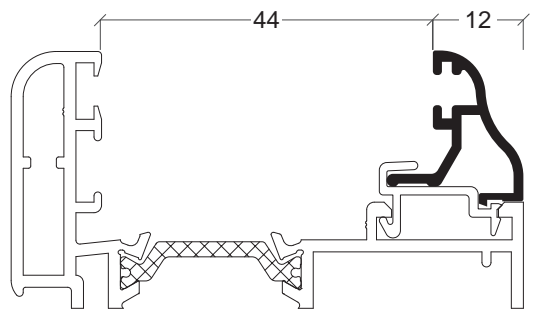
AX-34



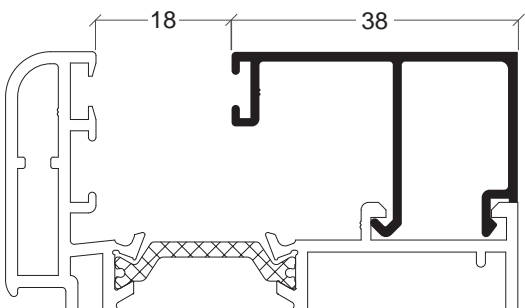
AX-78



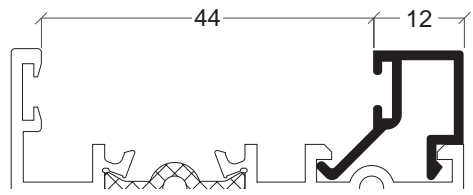
AX-73



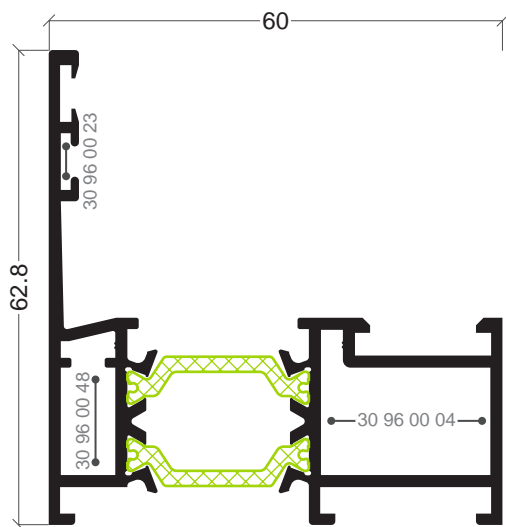
AX-72



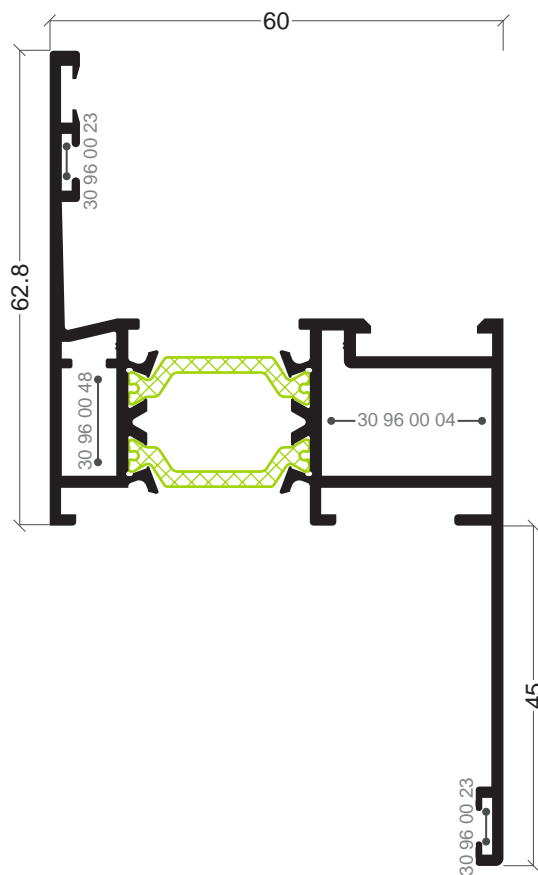
AX-32



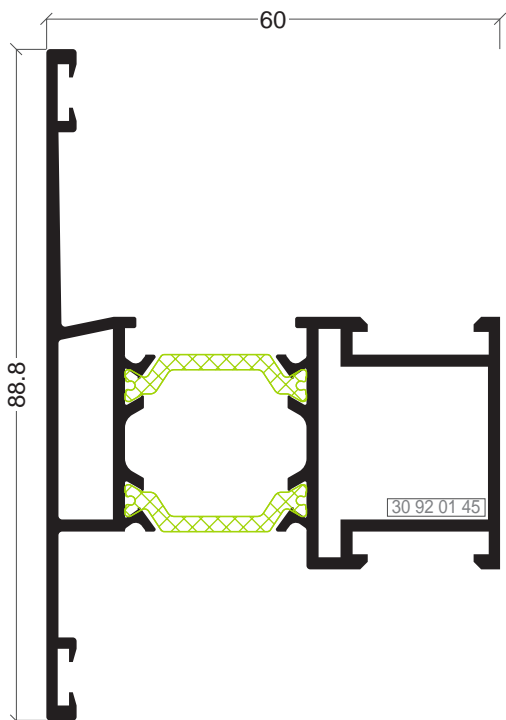
AX-70



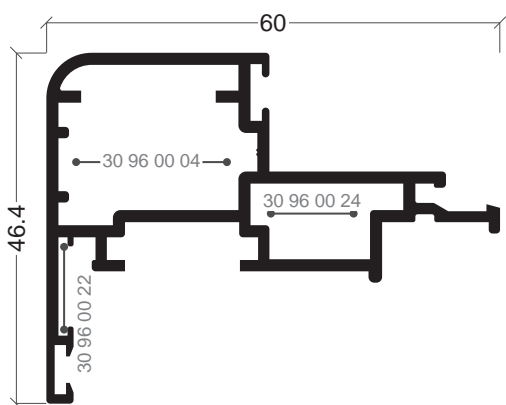
ARi-43
Aro fixo folha oculta



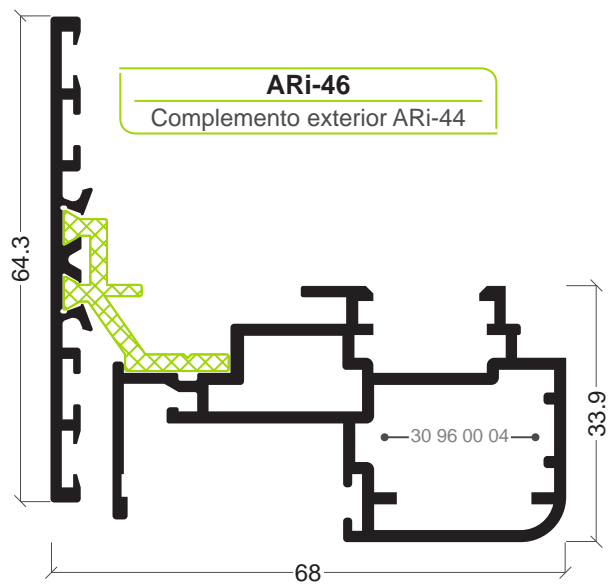
ARi-42
Aro fixo com remate folha oculta



ARi-41
Travessa folha oculta

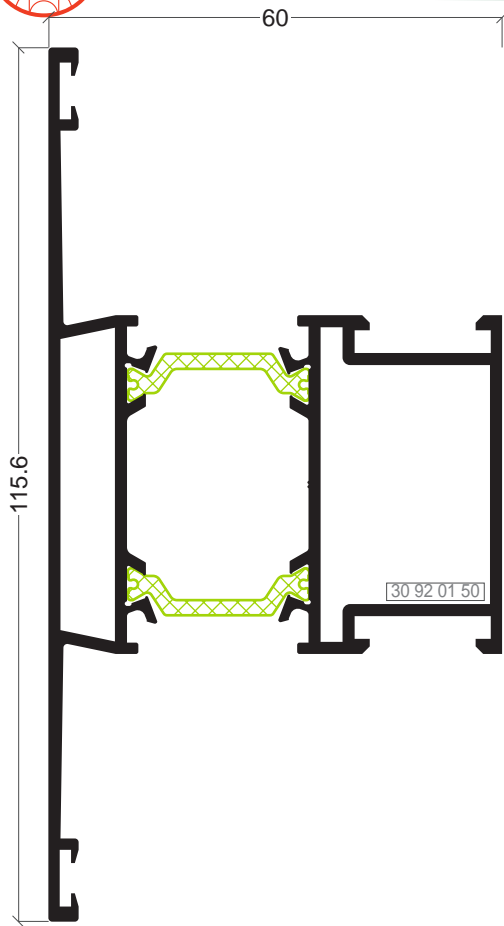


ARi-45
Aro móvel folha oculta

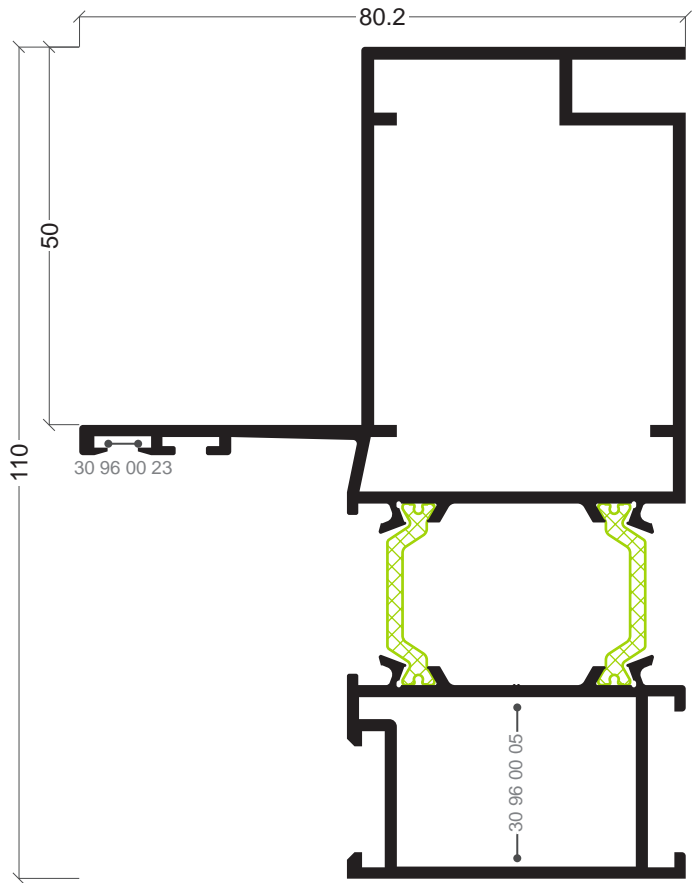


ARi-46
Complemento exterior ARI-44

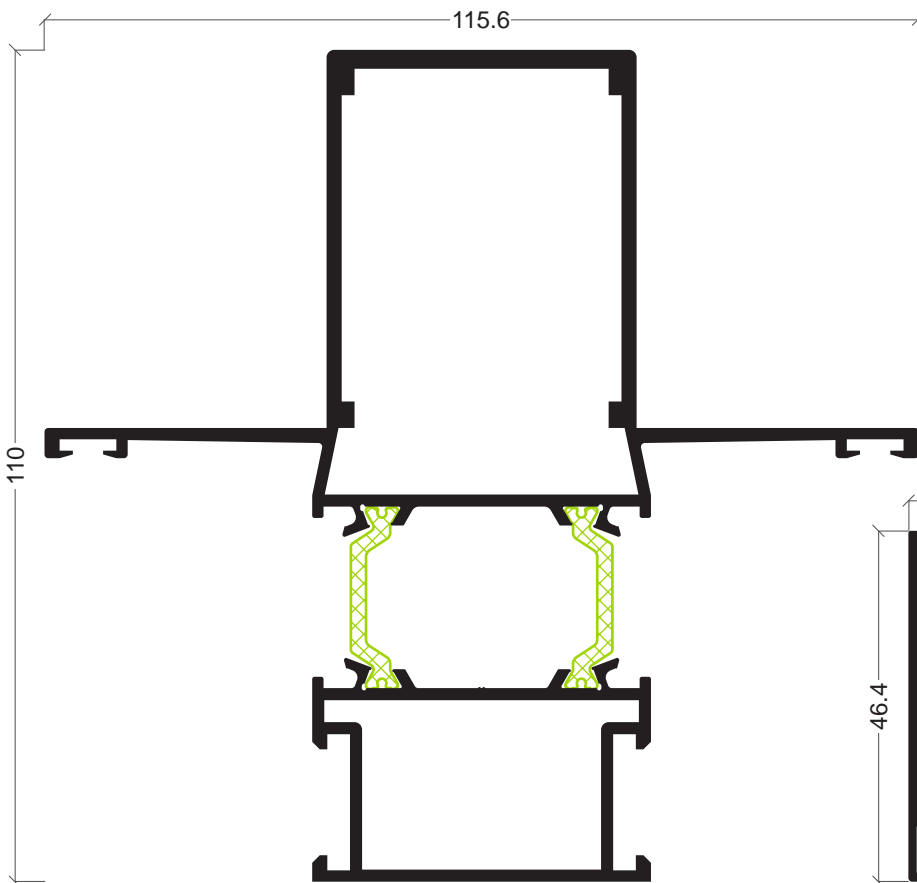
ARi-44
Aro móvel inversor folha oculta



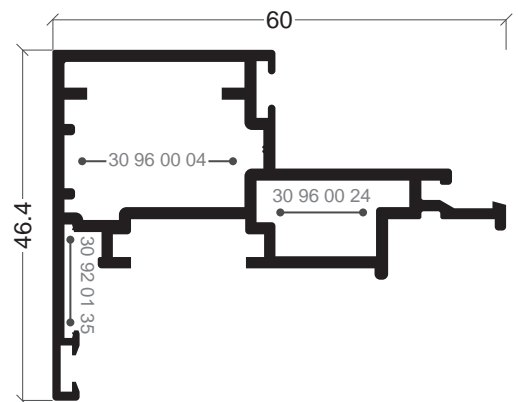
ARi-70
Travessa



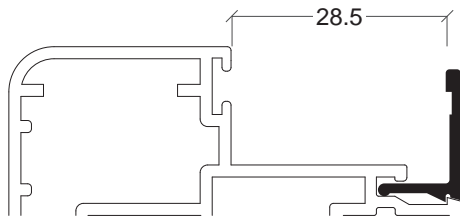
ARi-55
Aro fixo montante



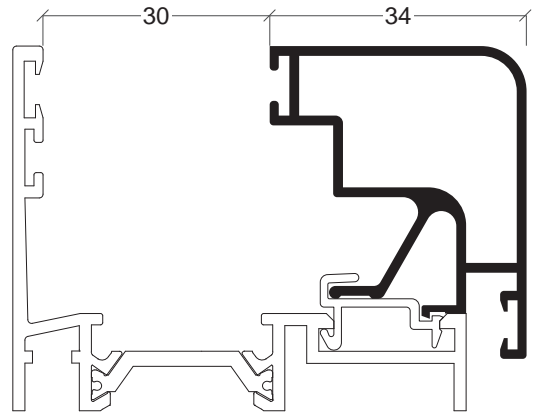
ARi-54
Montante



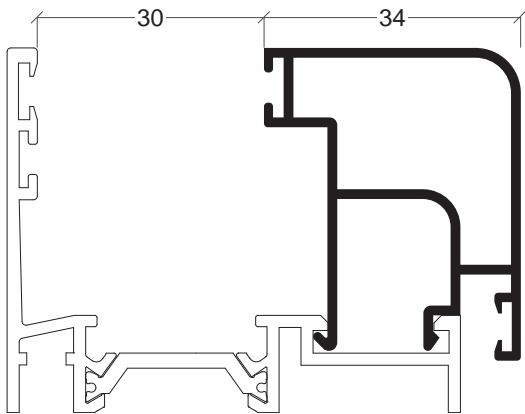
ARi-71
Móvel para vãos de 1 folha ou 1 folha + fixo



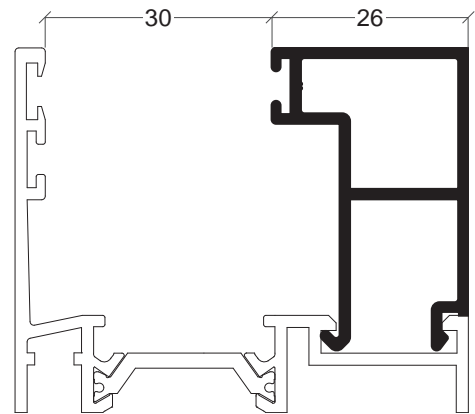
ARi-47



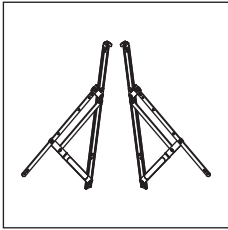
ARi-53

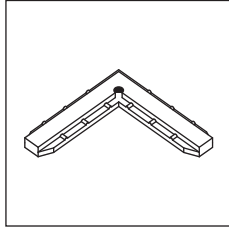


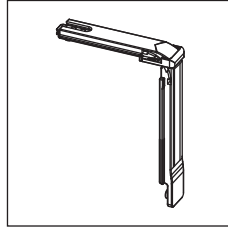
ARi-52



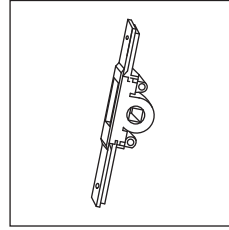
ARi-48

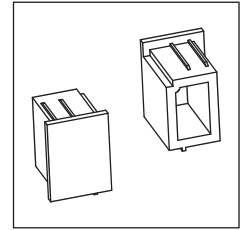

30 00 95 71

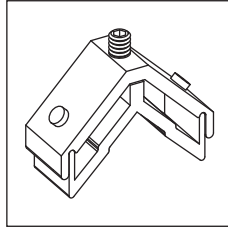
 Compasso projectante
deslizante até 100 kg/folha

30 21 20 07

 Esquadro de
alinhamento

30 90 20 42

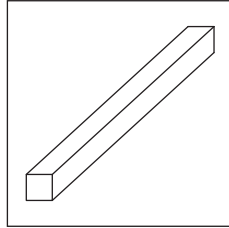
Ângulo de reenvio


30 90 20 44

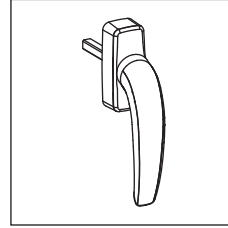
 Transmissão para
abertura exterior

30 91 21 20

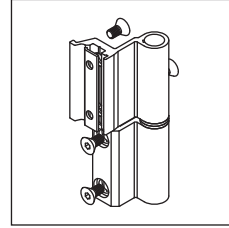
 Jogo topos condensação
para Y-20

30 91 40 15

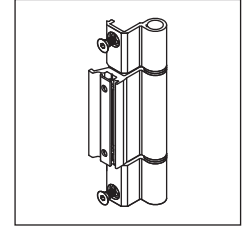
Esquadro aro fixo ARi-38

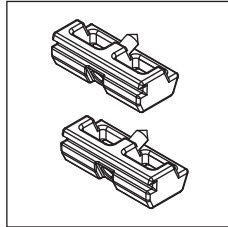

30 91 41 23

Perno 7x131 mm

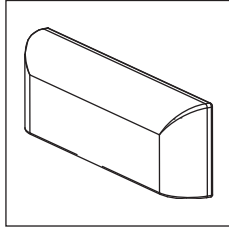

30 91 41 47/48

 Cremone pivotante especial
branco/preto

30 92 00 20/21

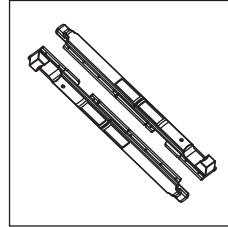
 Dobradiça C.E. branco/
preto

30 92 00 26/27/28

 Dobradiça três nós
(bruto/branco/preto)

30 92 00 50

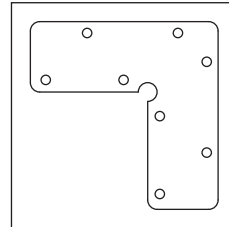
Contra-fecho

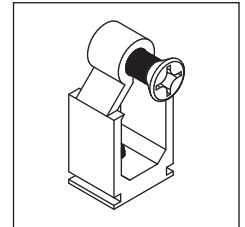

30 92 01 00/01

Goteiras preto/branco

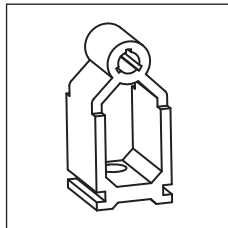

30 92 01 20

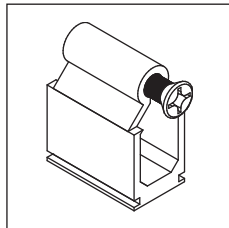
Jogo fecho C.E.


30 92 01 35

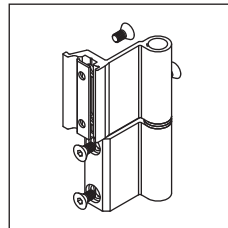
 Esquadro alinhamento
móvel

30 92 01 40

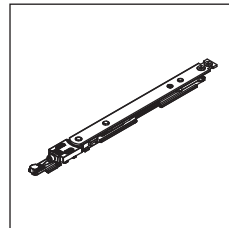
União topos janela

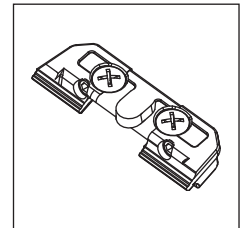

30 92 01 45

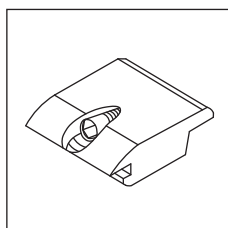
 União topos janela folha
oculta

30 92 01 50

União topos porta

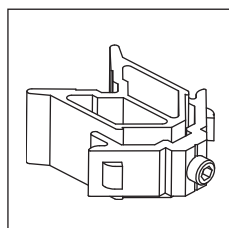

30 92 01 70/80

 Dobradiça 3 folhas
branco/preto

30 92 02 10/11/12

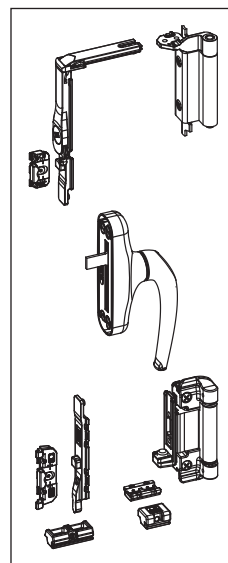
 Compasso oscilo
300/400/500

30 92 02 15

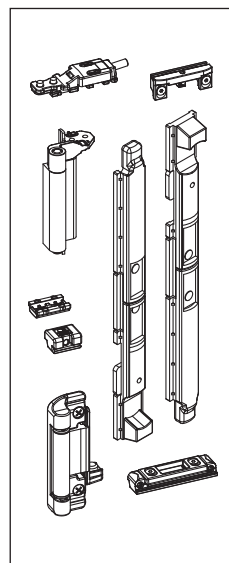
 Fecho para micro-
ventilação

30 92 02 60

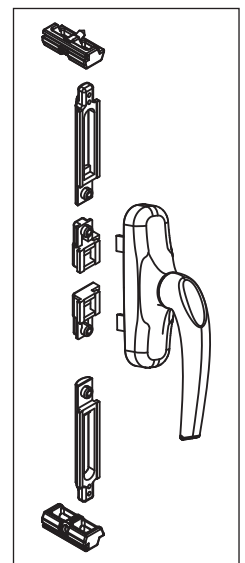
Apoio da folha


30 92 03 90

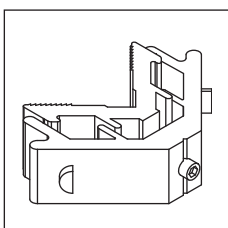
Esquadro porta


30 92 02 20/21

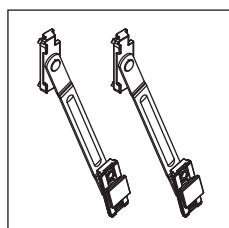
 Kit oscilobatente branco/
preto

30 92 02 24/25

 Kit 2ª folha OB branco/
preto

30 92 03 10/11

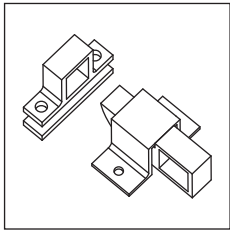
Kit cremone branco/preto


30 92 04 25

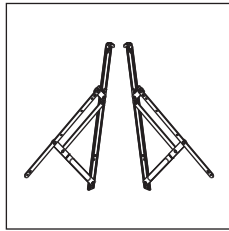
Esquadro ARi-80


30 92 04 75

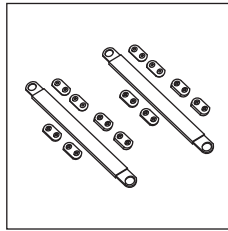
 Jogo compasso
basculante


30 92 04 76/77

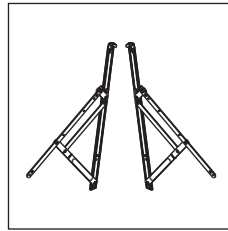
Fecho clack (branco/preto)


30 92 04 80

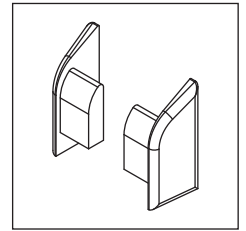
Compasso projectante deslizante até 50 kg/folha


30 92 04 85

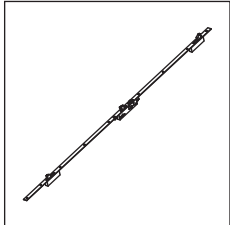
Jogo compasso


30 92 04 90

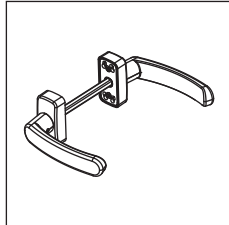
Compasso projectante deslizante até 70 kg/folha


30 92 05 00

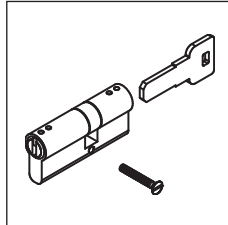
Jogo topos


30 92 05 10

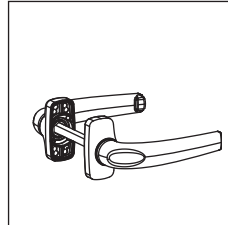
Fechadura 3 pontos (35 mm)


30 92 05 15

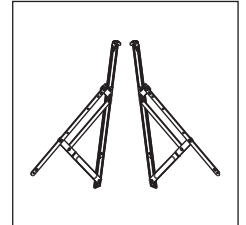
Fecho de alavanca com 5 pontos de fecho


30 92 05 50

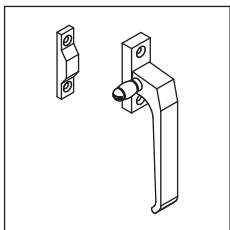
Canhão fechadura


30 92 05 60/61

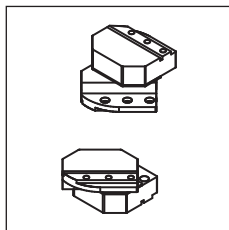
Puxador duplo branco/preto


30 92 06 00

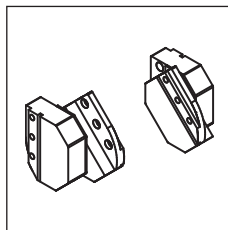
Compasso projectante deslizante até 20 kg/folha


30 92 06 10/11

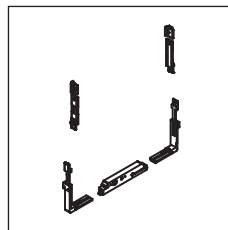
Cremona de lingueta branco/preto


30 92 07 12

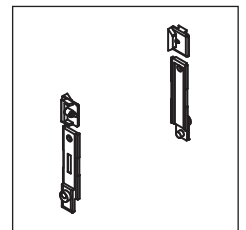
Jogo pivotante vertical especial ARi preto (130 kg)


30 92 07 13

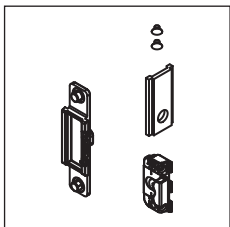
Jogo pivotante horizontal especial ARi preto (130 kg)


30 92 07 16

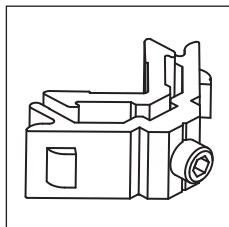
Fecho perimetral pivotante especial


30 92 07 17

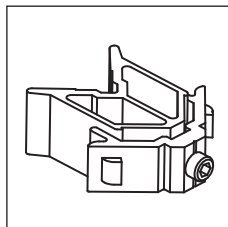
Fecho suplementar pivotante especial


30 92 22 43

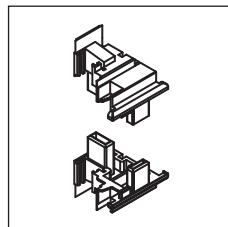
Ponto fecho suplementar


30 96 00 04

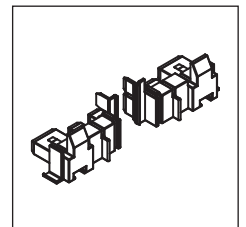
Esquadro janela


30 96 00 05

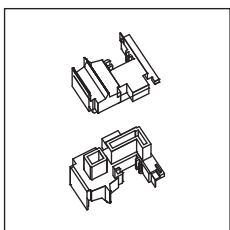
Esquadro aro fixo porta


30 96 00 08

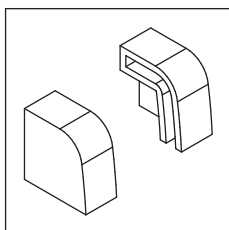
Jogo topos inversor ARi


30 96 00 10

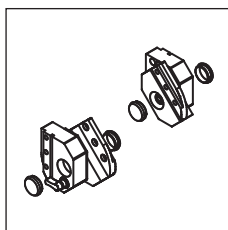
Jogo topos ARi-23


30 96 00 11

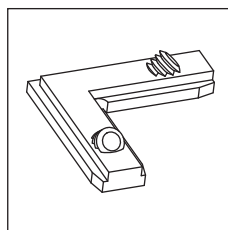
Jogo topos inversor abertura exterior ARi-15


30 96 00 12

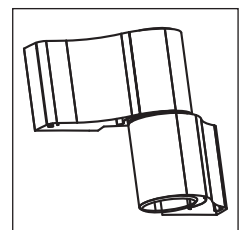
Jogo topos condensação


30 96 00 13

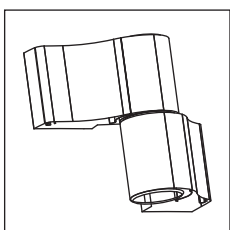
Jogo pivotante (60 kg)


30 96 00 15

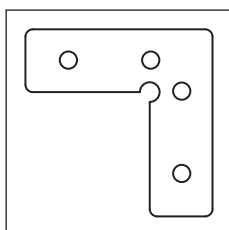
Esquadro alinhamento móvel


30 96 00 16/20

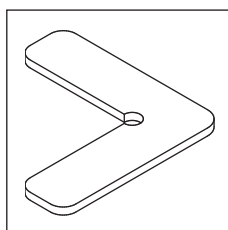
Dobradiça lisa (branco/preto)


30 96 00 17/21

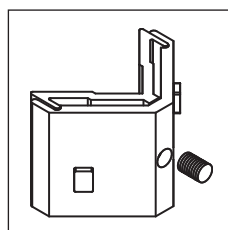
Dobradiça com ressalto (branco/preto)


30 96 00 22

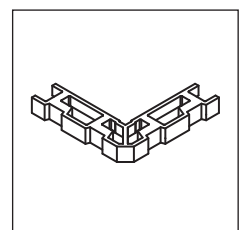
Esquadro alinhamento especial


30 96 00 23

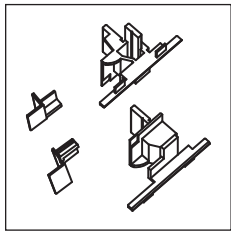
Esquadro alinhamento aro fixo


30 96 00 24

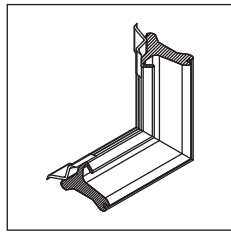
Esquadro exterior móvel folha oculta


30 96 00 25

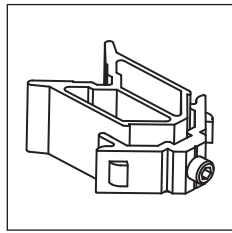
Esquadro exterior aro fixo



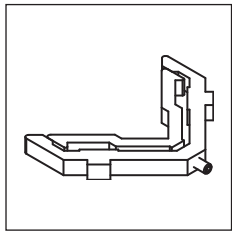
30 96 00 26
Jogo topos inversor folha oculta



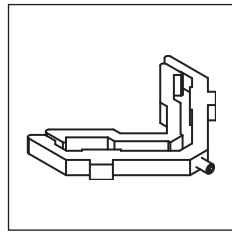
30 96 00 35
Canto vulcanizado



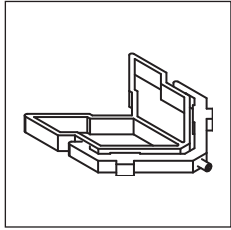
30 96 00 36
Esquadro aro móvel porta



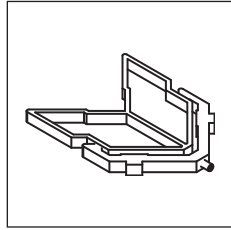
30 96 00 38
Esquadro alinhamento móvel janela



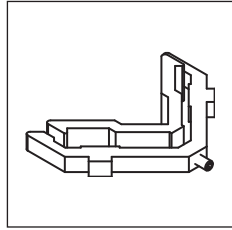
30 96 00 39
Esquadro para alinhamento fixo janela



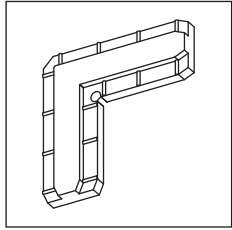
30 96 00 40
Esquadro alinhamento aro fixo porta



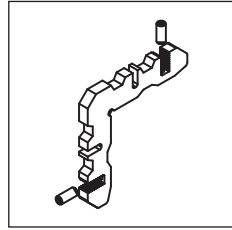
30 96 00 41
Esquadro alinhamento aro móvel porta



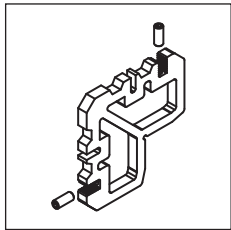
30 96 00 42
Esquadro perfil ARi-07



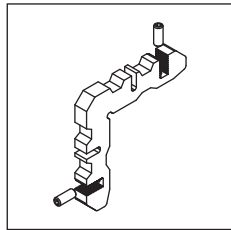
30 96 00 43
Esquadro alinhamento



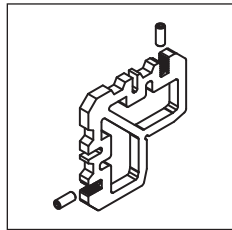
30 96 00 45
Esquadro de alinhamento 5.2x14 com parafusos



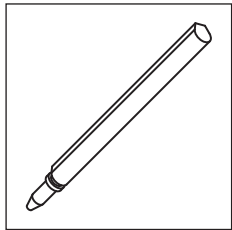
30 96 00 46
Esquadro de alinhamento 5.2x36 com parafusos



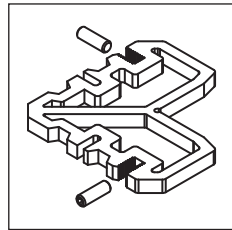
30 96 00 48
Esquadro de alinhamento 7x14 c/ parafusos



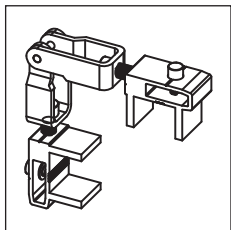
30 96 00 49
Esquadro de alinhamento aro fixo com parafusos



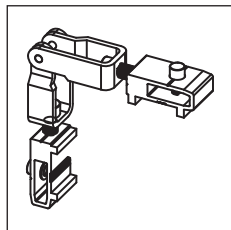
30 96 00 55
Perno alternativo para fixação de esquadro



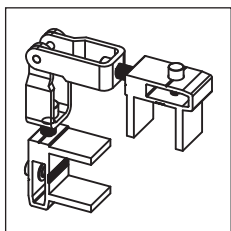
30 96 00 60
Esquadro de alinhamento 5.2x31.6 com parafusos



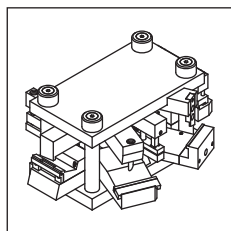
30 96 00 64
Esquadro Angular 31 ARi-08/59/68/69



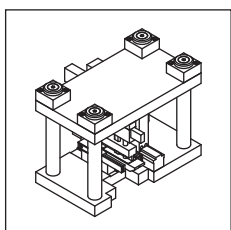
30 96 00 68
Esquadro Angular 14 ARi-03/05/33/35/57/58/61/74/76/77/81/83/97



30 96 00 69
Esquadro Angular 36 ARi-10/36/60/54



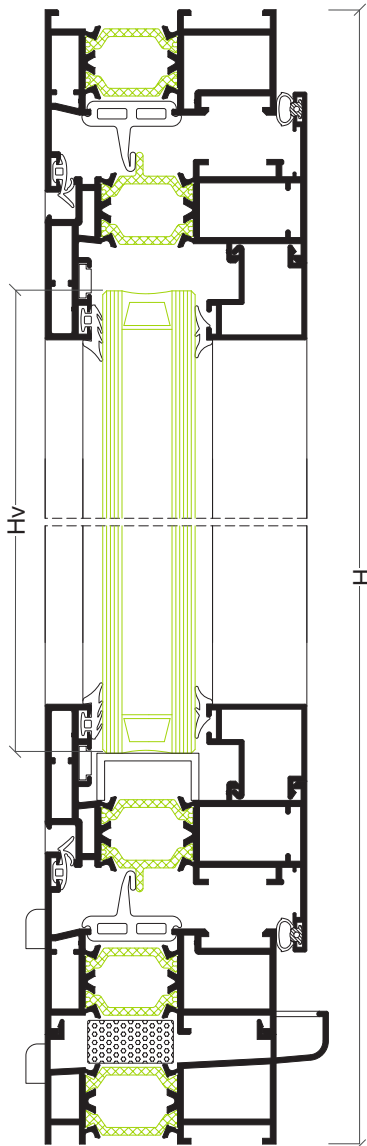
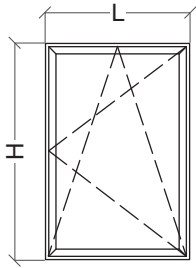
33 96 79 99
Cunho C.E.



33 96 87 99
Cunho esquadro interior e exterior ARi/AKi

Referência	Desenho	Descrição
30 00 95 15		Junta vedação interior curta
30 20 30 03		Junta isolante
30 20 70 03		Pelúcia remate porta 11x12 mm
30 60 00 17		Junta exterior vidro plana 2 mm preto
30 92 04 70		Espuma isolante
30 93 00 60		Vedante exterior de vidro (opcional)
30 93 00 61		Junta vedação exterior vidro 2 mm
30 93 00 62		Junta plana para vidro
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 00 70		Vedante interior de vidro (opcional)
30 93 00 80		Junta de vedação inferior ARi-42
30 93 00 82		Junta vedação inferior
30 93 01 20		Junta interior
30 93 01 30		Junta exterior (abertura exterior/projectante)
30 95 00 10		Pelúcia 7x9 mm
30 96 00 02		Junta exterior
30 96 00 03		Junta central
30 96 00 09		Junta central abertura exterior (ARi-25) ou tapa-canal
30 96 00 18		Junta interior (abertura projectante/deslizante)
30 96 00 27		Junta exterior folha oculta

Janela 1 folha abrir e oscilo-batente



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	ARI-03	Aro fixo		2	L
				2	H-28.5 mm
	ARI-61	Aro móvel		2	L-43 mm
				2	H-71.5 mm
	---	Bite		2	L-132 mm
				2	H-200.5 mm
	CT-11	Soleira condensação		1	L
	AZ-23	Pingadeira 60 mm		1	L
	AX-19	Vareta		1+1	Apro. H+L

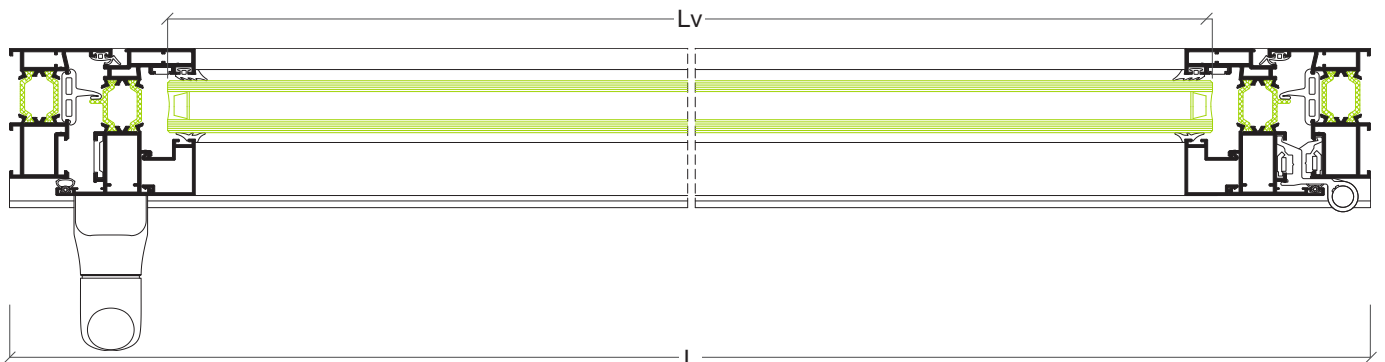
Acessórios e Juntas

Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 92 00 20	Dobradiças C.E.	2	---
30 92 01 00	Goteiras	4	4
30 92 02 XX	Compasso O.B.	---	1
30 92 02 20	Kit oscilo-batente	---	1
30 92 02 60	Apoio da folha	1	---
30 92 03 10	Kit cremone	1	---
30 96 00 04	Esquadro janela	8	8
30 96 00 48	Esquadro alinhamento aro fixo	4	4
30 96 00 12	Jogo topos condensação	1	1
30 96 00 15	Esquadro alinhamento móvel	4	4
30 96 00 22	Esquadro alinhamento móvel	4	4
30 96 00 45	Esquadro alinhamento exterior móvel	4	4
30 96 00 35	Canto vulcanizado	4	4
30 92 04 70	Espuma isolante	L	
30 96 00 02	Junta exterior	2L+2H	
30 96 00 03	Junta central	2L+2H	
30 93 01 20	Junta interior	2L+2H	
---	Junta exterior vidro	2L+2H	
---	Junta interior vidro	2L+2H	

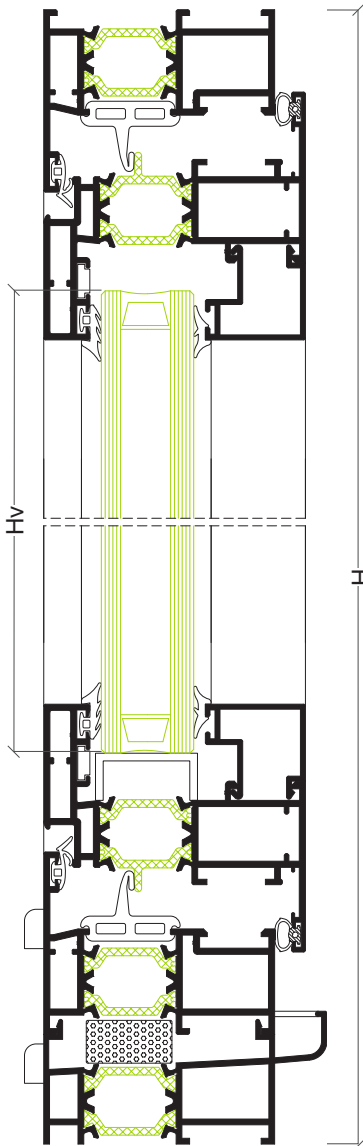
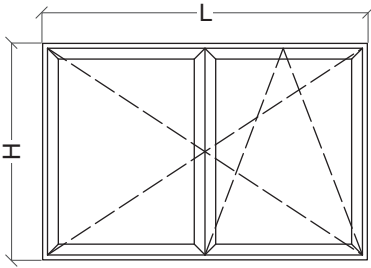
25

Vidro

Hv = H-174 mm	Lv = L-146 mm
---------------	---------------



Janela 2 folhas abrir e oscilo-batente



Perfis

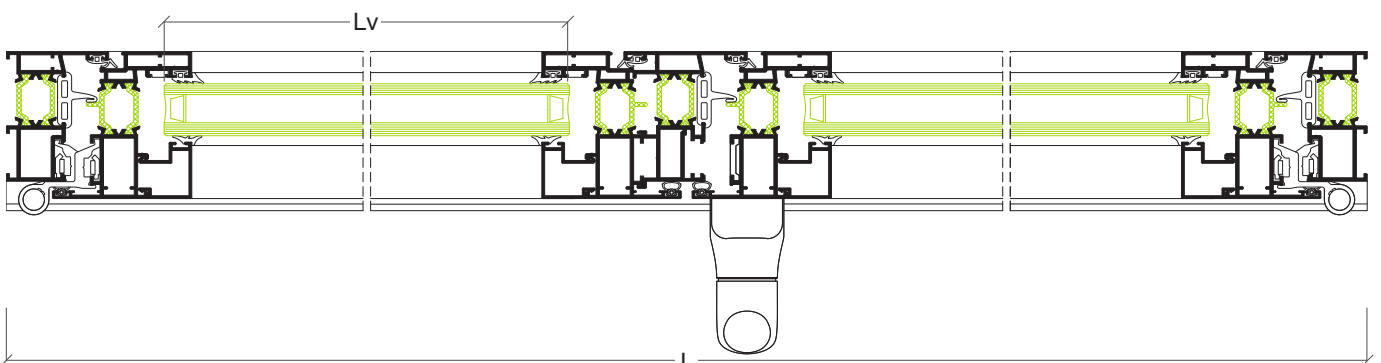
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-03	Aro fixo		2	L
				2	H-28.5 mm
	ARi-61	Aro móvel		2	L/2-24 mm
				2	H-71.5 mm
	ARi-04	Inversor		1	H-139.5 mm
	---	Bite		4	L/2-113 mm
				4	H-200.5 mm
	CT-11	Soleira condensação		1	L
	AX-19	Vareta		1+1	Apro. H+L

Acessórios e Juntas

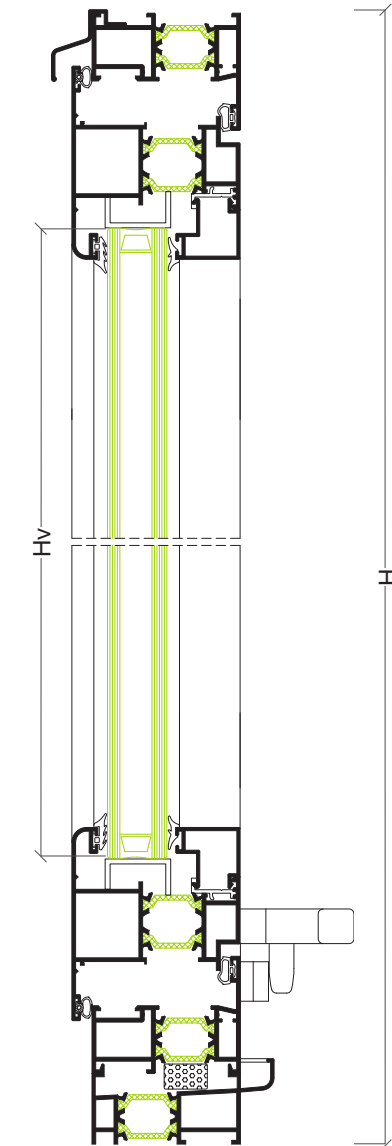
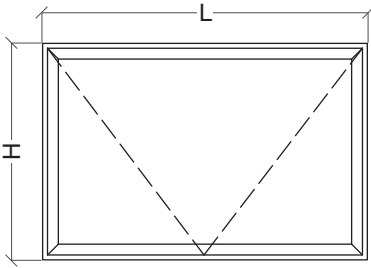
Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 92 00 20	Dobradiças C.E.	4	---
30 92 01 00	Goteiras	4	4
30 92 01 20	Jogo fecho C.E.	1	---
30 92 02 XX	Compasso O.B.	---	1
30 92 02 20	Kit oscilo-batente	---	1
30 92 02 24	Kit 2ª folha oscilo-batente	---	1
30 92 02 60	Apoio da folha	1	---
30 92 03 10	Kit cremone	1	---
30 96 00 04	Esquadro janela	12	12
30 96 00 48	Esquadro alinhamento aro fixo	8	8
30 96 00 08	Jogo topos inversor	1	1
30 96 00 12	Jogo topos condensação	1	1
30 96 00 15	Esquadro alinhamento móvel	8	8
30 96 00 22	Esquadro alinhamento móvel	8	8
30 96 00 45	Esquadro alinhamento exterior móvel	4	4
30 96 00 35	Canto vulcanizado	4	4
30 92 04 70	Espuma isolante	L	
30 96 00 02	Junta exterior	2L+4H	
30 96 00 03	Junta central	2L+3H	
30 93 01 20	Junta interior	2L+4H	
---	Junta exterior vidro	2L+2H	
---	Junta interior vidro	2L+2H	

Vidro

Hv = H-174 mm	Lv = L/2-127 mm
---------------	-----------------



Janela projectante deslizante



Perfis

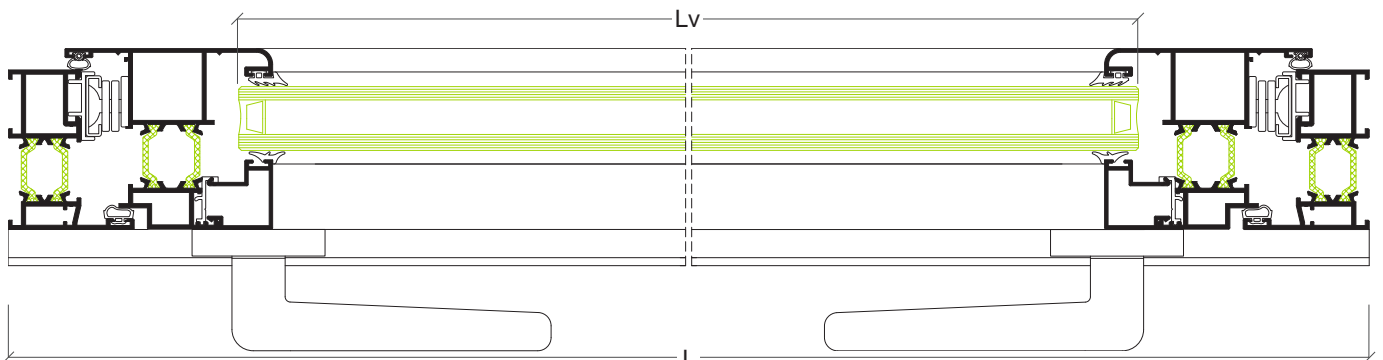
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-03	Aro fixo		2	L
				2	H-28.5 mm
	ARi-07	Aro móvel abertura projectante deslizante		2	L-43 mm
				2	H-71.5 mm
	---	Bite		4	L-159 mm
				4	H-227.5 mm
	AXi-45	Pingadeira superior		1	L
	AXi-32	Complemento abertura projectante		2	segundo medida compasso
	ARi-29	Apoio bite		2	L-140 mm
				2	H-168.5 mm
	CT-11	Soleira condensação		1	L

Acessórios e Juntas

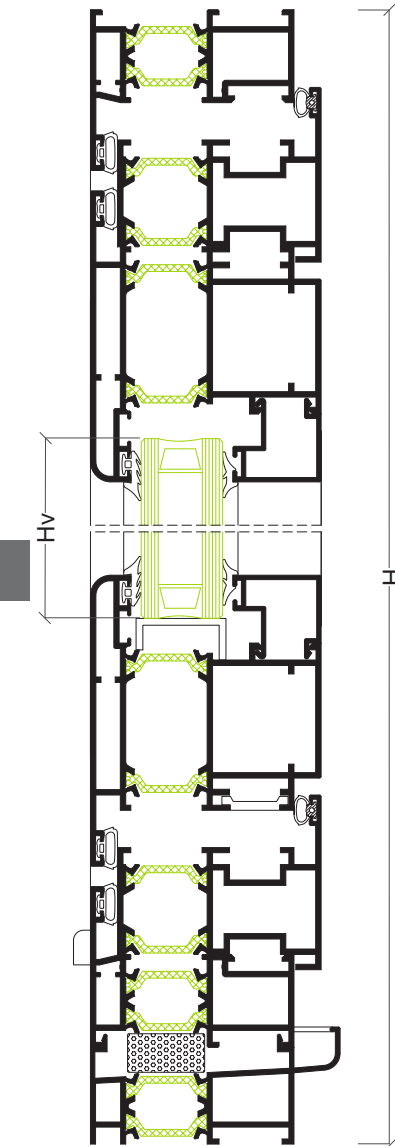
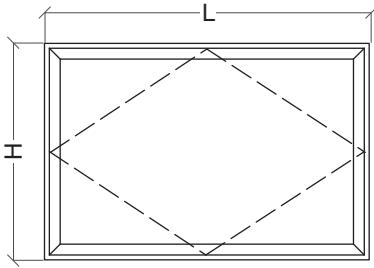
Referência	Descrição	Quantidade
30 92 01 00	Goteiras	2
30 92 04 10	Esquadro janela	4
30 92 04 90	Jogo compasso projectante deslizante 550	1
30 92 06 10	Cremona de lingueta	2
30 92 04 10	Esquadro janela abertura exterior	4
30 96 00 12	Jogo topos condensação	1
30 96 00 48	Esquadro alinhamento aro fixo	4
30 96 00 42	Esquadro alinhamento interno móvel	4
30 92 04 70	Espuma isolante	L
30 93 01 20	Junta exterior	2L+2H
30 96 00 18	Junta interior projectante deslizante	2L+2H
---	Junta exterior vidro	2L+2H
---	Junta interior vidro	2L+2H

Vidro

Hv = H-201 mm	Lv = L-173 mm
---------------	---------------



Janela pivotante horizontal



Perfis

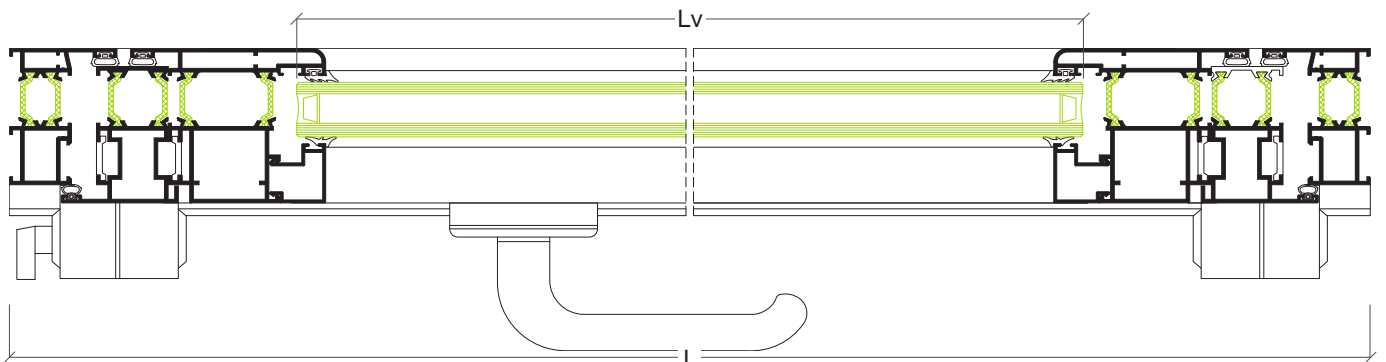
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-03	Aro fixo		2	L
				2	H-28.5 mm
	ARi-25	Aro móvel abertura exterior		2	L-107 mm
				2	H-135.5 mm
	ARi-14	Inversor pivotante superior		1	L-46 mm
				2	H/2-23 mm
	ARi-14	Inversor pivotante inferior		1	L-46 mm
				2	H/2-51.5 mm
	---	Bite		2	L-239 mm
				2	H-307.5 mm
	CT-11	Soleira condensação		1	L
	AX-19	Vareta		1+1	L+H
				1+1	L+H

Acessórios e Juntas

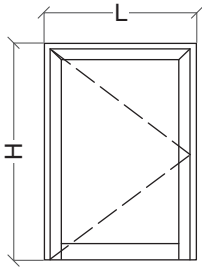
Referência	Descrição	Quantidade
30 92 01 00	Goteiras	4
30 94 50 10	Esquadro inversor	4
30 96 00 04	Esquadro janela	4
30 96 00 05	Esquadro móvel	4
30 96 00 48	Esquadro alinhamento exterior janela	4
30 96 00 12	Jogo topos condensação	1
30 92 07 13	Jogo pivotante horizontal	1
30 92 07 16	Fecho perimetral pivotante	1
30 96 00 15	Esquadro alinhamento móvel	4
30 96 00 49	Esquadro alinhamento móvel	4
30 91 41 48	Cremones	1
30 92 04 70	Espuma isolante	L
30 96 00 18	Junta exterior	4L+4H
30 93 01 20	Junta interior	2L+2H
---	Junta exterior vidro	2L+2H
---	Junta interior vidro	2L+2H

Vidro

Hv = H-281 mm	Lv = L-253 mm
---------------	---------------

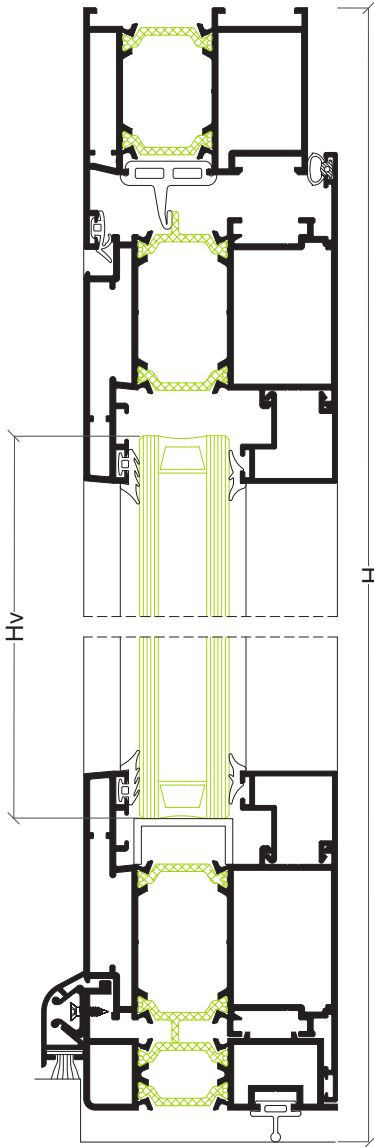


Porta 1 folha



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-08	Aro fixo		1	L
				2	H
	ARi-36	Aro móvel		2	L-78 mm
				2	H-46 mm
	ARi-23	Almofada		1	L-147 mm
	---	Bite		4	L-216 mm
				4	H-226 mm
	AZ-60	Pingadeira		1	L-148 mm

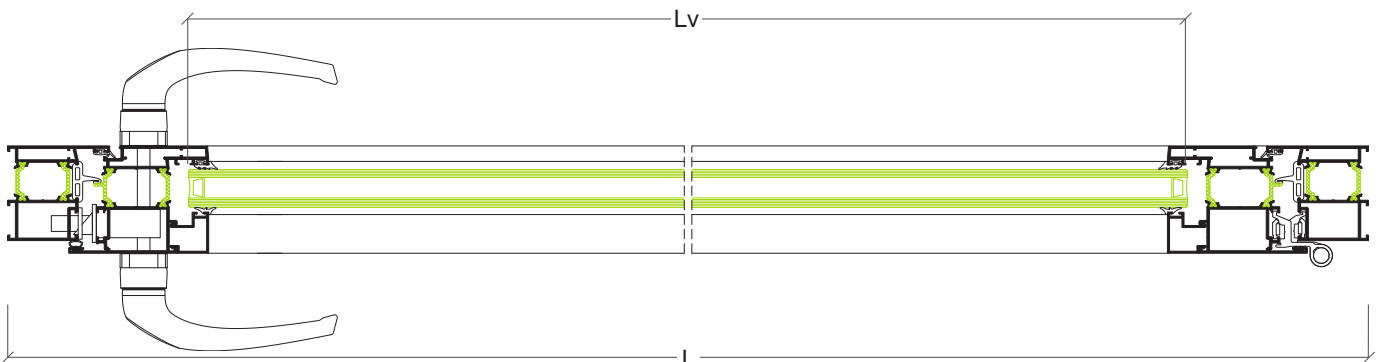


Acessórios e Juntas

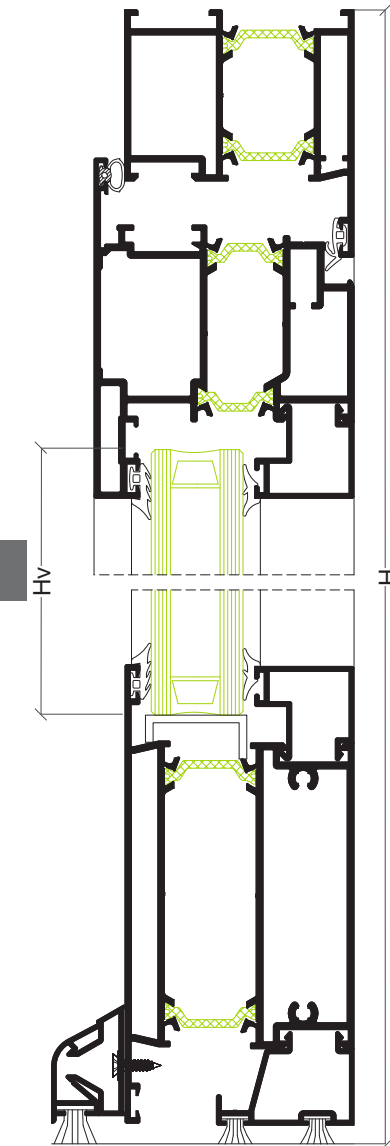
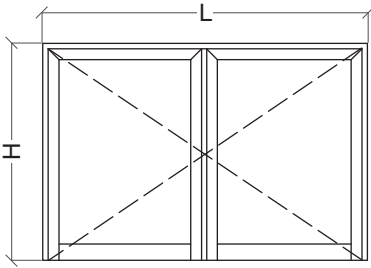
Referência	Descrição	Quantidade
30 92 00 20	Dobradiças C.E.	3
30 92 01 35	Esquadro alinhamento móvel	4
30 92 05 10	Fechadura 3 pontos	1
30 92 05 50	Canhão fechadura	1
30 92 05 60	Puxador duplo	1
30 96 00 05	Esquadro aro porta	2
30 96 00 15	Esquadro alinhamento móvel	4
30 96 00 36	Esquadro móvel porta	4
30 96 00 46	Esquadro alinhamento aro móvel porta	4
30 96 00 49	Esquadro alinhamento aro fixo	2
30 96 00 10	Jogo topos ARi-23	1
31 03 40 00	Mola para pingadeira	A cada 200 mm
30 96 00 35	Canto vulcanizado	2
30 92 05 00	Jogo topos AZ-60	1
30 93 00 80	Junta inferior	L
30 96 00 02	Junta exterior	L+2H
30 96 00 03	Junta central	L+2H
30 93 01 20	Junta interior	L+2H
---	Junta exterior vidro	2L+2H
---	Junta interior vidro	2L+2H

Vidro

Hv = H-200 mm	Lv = L-230 mm
---------------	---------------



Porta 2 folhas abertura exterior



Perfis

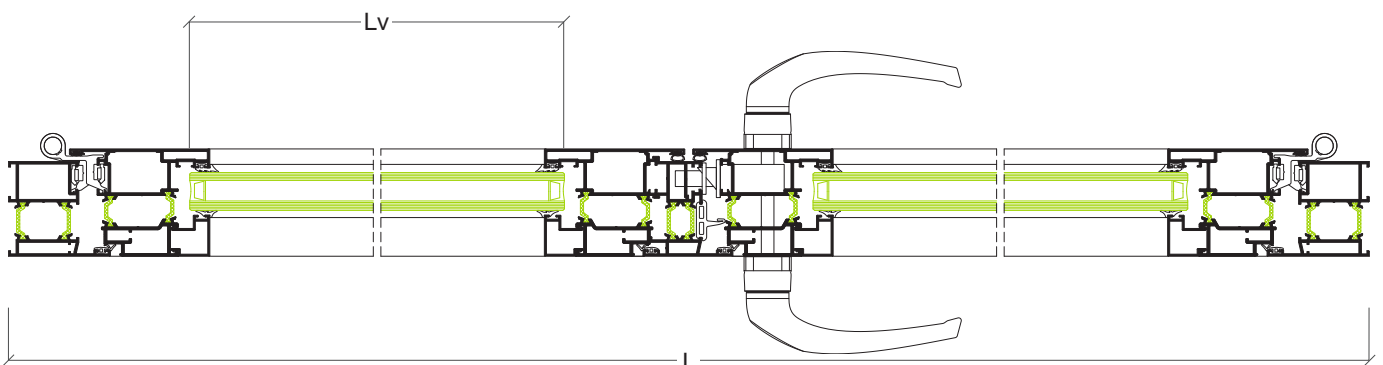
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-08	Aro fixo		1	L
				2	H
	ARi-72	Aro móvel abertura exterior		2	L/2-41.5 mm
				4	H-44 mm
	ARi-04	Inversor		1	H-78 mm
	ARi-12	Travessa		1	L/2-169.5 mm
	AX-15	Bite remate		2	L/2-160.5 mm
	---	Bite		4	L/2-179 mm
				4	H-253 mm
	AZ-60	Pingadeira		1	L/2-112.5 mm
				1	L/2-43 mm
	AZ-61	Suplemento para pingadeira		2	L/2-219.5 mm

Acessórios e Juntas

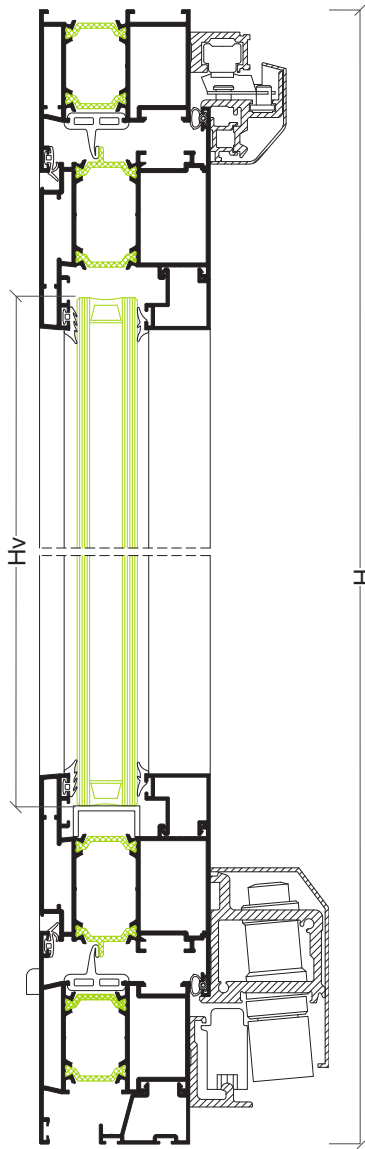
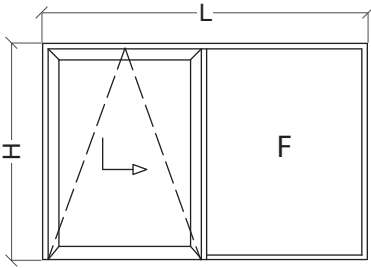
Referência	Descrição	Quantidade
30 92 01 20	Jogo fecho C.E.	1
30 92 05 10	Fechadura 3 pontos	1
30 92 05 50	Canhão fechadura	1
30 92 05 60	Puxador duplo	1
30 96 00 05	Esquadro porta	2
30 96 00 08	Jogo topos inversor	1
30 92 00 20	Dobradiça C.E.	6
30 95 00 10	Pelúcia 7x9 mm	2L
30 95 05 00	Jogo topos AZ-60	1
30 92 03 90	Esquadro móvel exterior	4
30 92 01 35	Esquadro alinhamento móvel	4
30 96 00 15	Esquadro alinhamento móvel exterior	4
30 96 00 45	Esquadro móvel interior	4
30 96 00 49	Esquadro móvel exterior	2
30 93 01 20	Junta exterior	2L
30 96 00 02	Junta interior	L+4H
---	Junta exterior vidro	2L+4H
---	Junta interior vidro	2L+4H

Vidro

Hv = H-228 mm	Lv = L/2-194 mm
---------------	-----------------



Porta oscilo-paralela com fixo lateral



Perfis

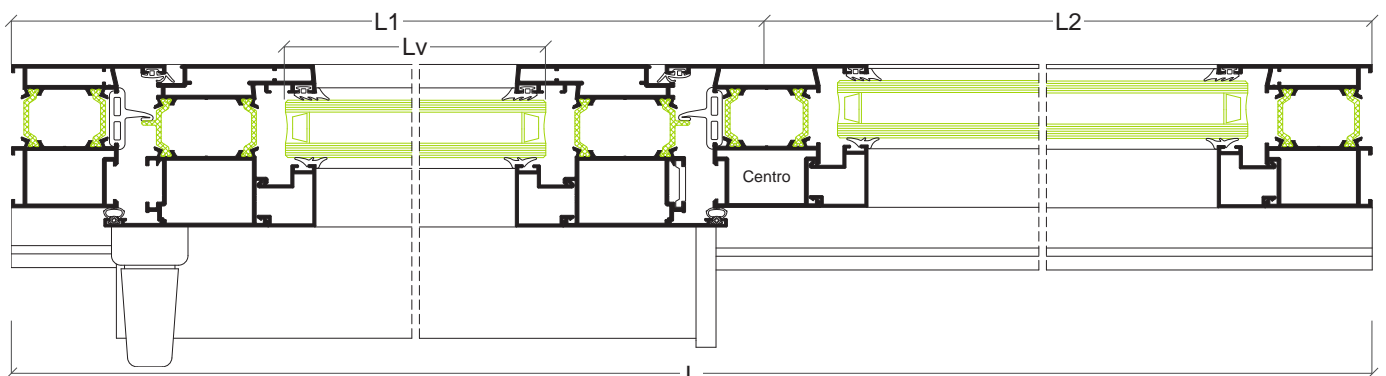
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-08	Aro fixo		1	L
				2	H
	ARi-06	Travessa		1	L-80.5 mm
				1	H-100.5 mm
	ARi-36	Aro móvel		2	L1-55.5 mm
				4	H-98 mm
	---	Bite (folha)		2	L1-193 mm
				2	H-275.5 mm
	---	Bite (fixo)		2	L2-67.5 mm
				2	H-150 mm
	AX-15	Bite remate		1	L-90 mm
	AX-19	Vareta		1+1	Aprox. L+H

Acessórios e Juntas

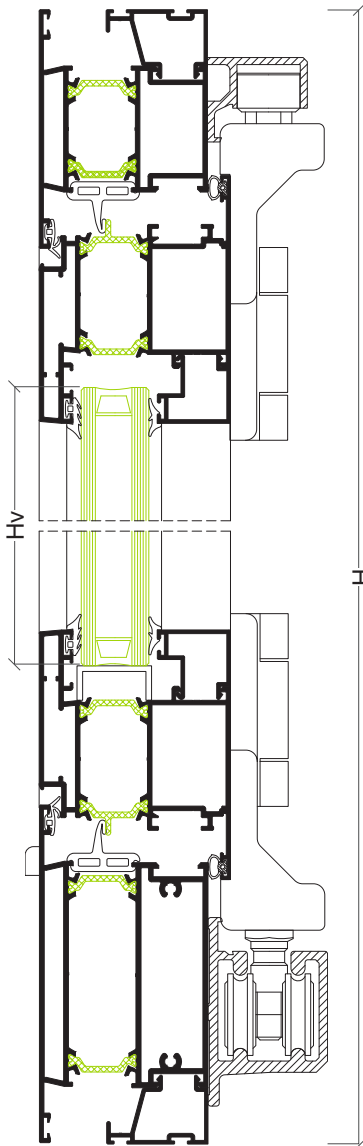
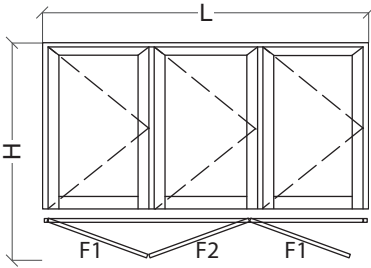
Referência	Descrição	Quantidade
30 92 01 00	Goteiras	4
30 92 01 35	Esquadro alinhamento móvel	4
30 92 01 50	União topos porta	4
30 96 00 05	Esquadro aro fixo	2
30 96 00 15	Esquadro alinhamento móvel	4
30 96 00 36	Esquadro aro móvel	4
30 96 00 46	Esquadro alinhamento exterior aro móvel	4
30 96 00 49	Esquadro alinhamento aro fixo	2
---	Kit oscilo-paralela	1
30 96 00 35	Canto vulcanizado	4
30 96 00 02	Junta exterior	2L1+2H
30 96 00 03	Junta central	2L1+2H
30 93 01 20	Junta interior	2L1+2H
---	Junta exterior vidro	2L+2H
---	Junta interior vidro	2L+2H

Vidro

Hv folha = H-249 mm	Lv folha = L1-206 mm	
Hv fixo = H-124 mm	Lv fixo = L2-81 mm	
	Mínimo	Máximo
Largura da folha	700 mm	1650 mm
Altura da folha	850 mm	2400 mm
Peso máximo por folha 150 kg		



Porta 3 folhas harmónio



Perfis

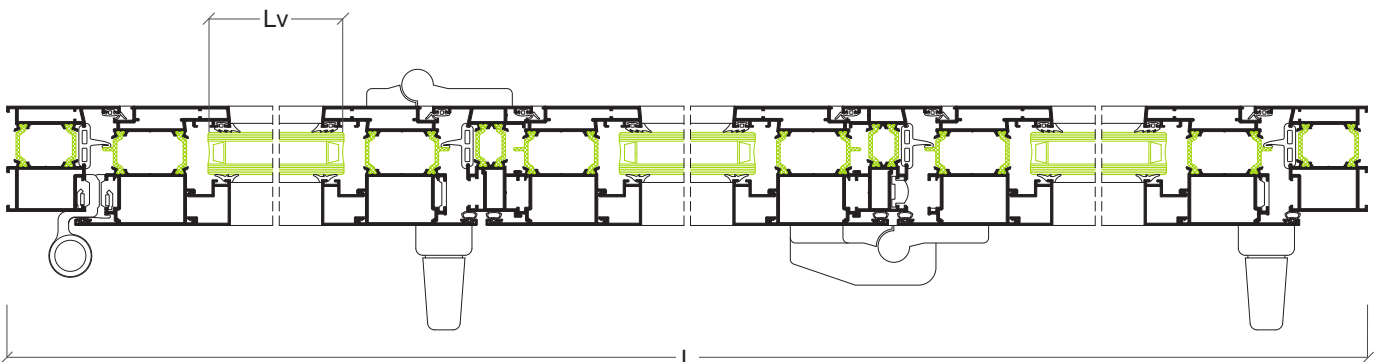
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-08	Aro fixo		2	H
	ARi-06	Travessa		1	L-80.5 mm
	ARi-12	Travessa		1	L-80.5 mm
	ARi-36	Aro móvel		6	consultar
				6	consultar
	ARi-04	Inversor		2	consultar
	---	Bite (folha)		6	consultar
				6	consultar
	AX-15	Bite remate		2	L-90 mm
	AX-19	Vareta		2	2H

Acessórios e Juntas

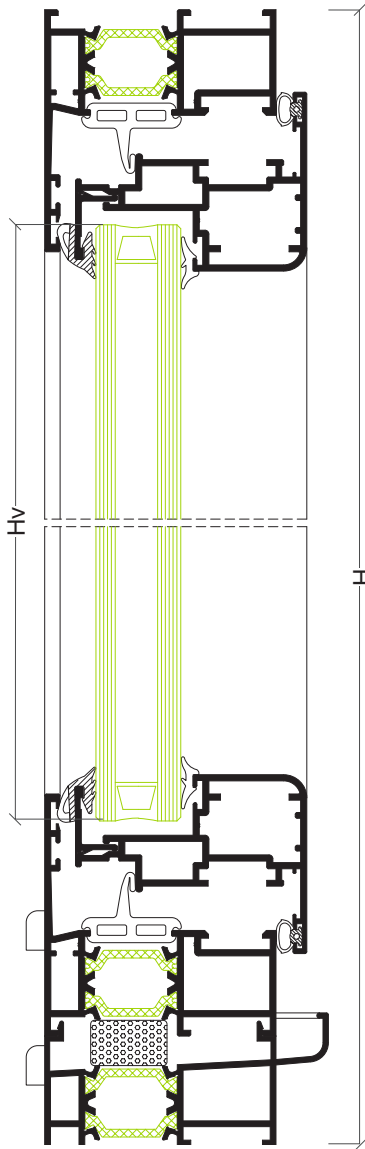
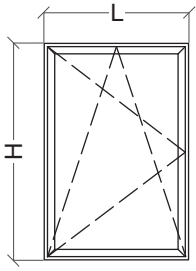
Referência	Descrição	Quantidade
30 92 01 00	Goteiras	6
30 92 01 35	Esquadro alinhamento aro móvel	12
30 96 00 08	Jogo topos inversor	2
30 96 00 15	Esquadro alinhamento aro móvel	12
30 96 00 36	Esquadro aro móvel porta	12
30 96 00 46	Esquadro alinhamento exterior aro porta	12
---	Kit harmónio (3+0)	1
30 92 01 50	União topo porta	2
30 92 01 20	Jogo fecho C.E.	1
30 96 00 35	Canto vulcanizado	4
30 96 00 02	Junta exterior	2L+6H
30 96 00 03	Junta central	2L+4H
30 93 01 20	Junta interior	2L+6H
---	Junta exterior vidro	2L+2H
---	Junta interior vidro	2L+2H

Vidro

Hv = consultar	Lv Folha 1 = consultar	
	Lv Folha 2 = consultar	
	Mínimo	Máximo
Largura da folha	600 mm	900 mm
Altura da folha	850 mm	2400 mm
Peso máximo por folha 80 kg		



Janela 1 folha abrir e oscilo-batente



Perfis

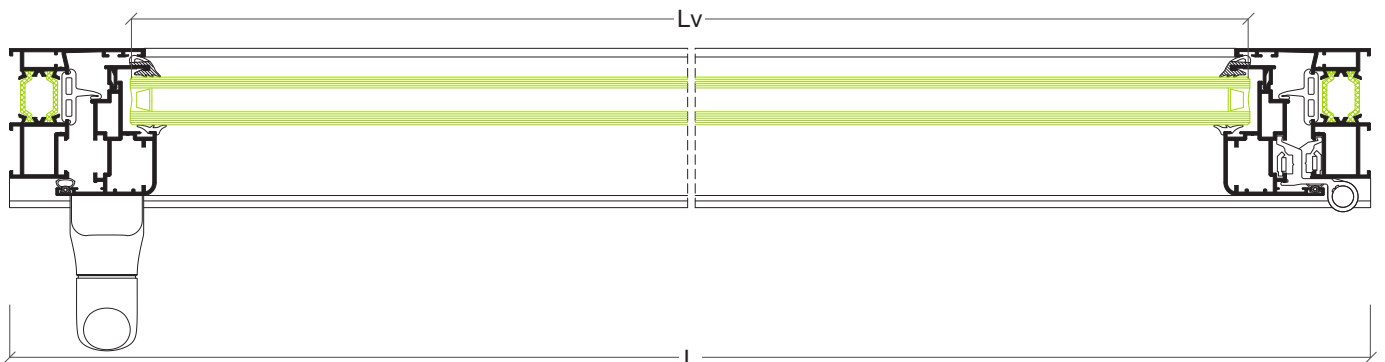
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-43	Aro fixo folha oculta		2	L
				2	H-28.5 mm
	ARi-45	Aro móvel folha oculta		2	L-43 mm
				2	H-71.5 mm
	ARi-47	Bite folha oculta		2	L-94 mm
				2	H-122.5 mm
	CT-11	Soleira condensação		1	L
	AX-19	Vareta		1+1	L+H

Acessórios e Juntas

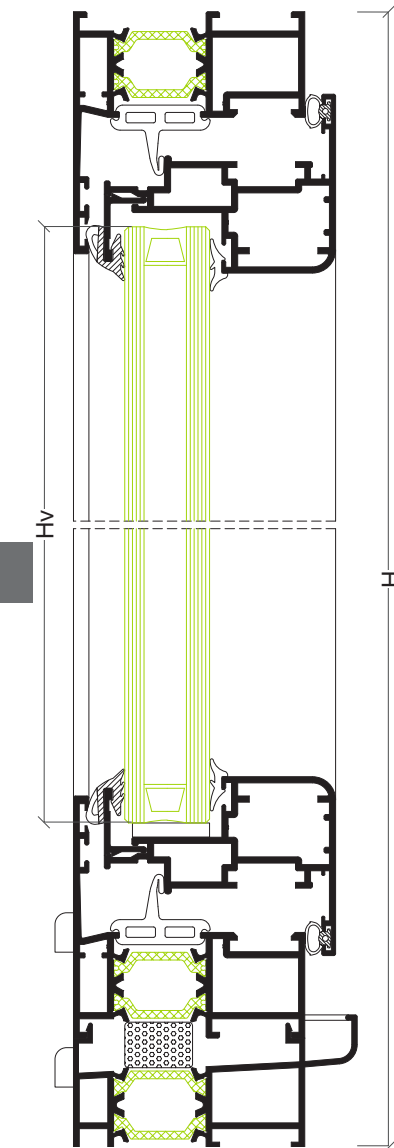
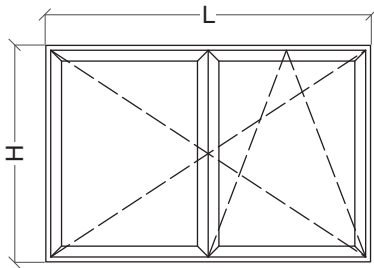
Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 92 00 20	Dobradiças C.E.	2	---
30 92 01 00	Goteiras	4	4
30 92 02 XX	Compasso O.B.	---	1
30 92 02 20	Kit oscilo-batente	---	1
30 92 02 60	Apoio da folha	1	---
30 92 03 10	Kit cremone	1	---
30 96 00 04	Esquadro janela	8	8
30 96 00 48	Esquadro alinhamento aro fixo	4	4
30 96 00 12	Jogo topos condensação	1	1
30 96 00 23	Esquadro alinhamento aro fixo	4	4
30 96 00 24	Esquadro alinhamento aro móvel	4	4
30 96 00 22	Esquadro alinhamento interior móvel	4	4
30 96 00 35	Canto vulcanizado	4	4
30 92 04 70	Espuma isolante	L	
30 96 00 27	Junta exterior folha oculta	2L+2H	
30 96 00 03	Junta central	2L+2H	
30 93 01 20	Junta interior	2L+2H	
---	Junta interior vidro	2L+2H	

Vidro

Hv = H-139 mm	Lv = L-110 mm
---------------	---------------



Janela 2 folhas abrir e oscilo-batente



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-43	Aro fixo folha oculta		2	L
				2	H-28.5 mm
	ARi-45	Aro móvel folha oculta		4	L/2-12 mm
				3	H-71.5 mm
	ARi-46	Complemento aro móvel inversor		1	H-159.5 mm
	ARi-44	Aro móvel		1	H-95.5 mm
	ARi-47	Bite folha oculta		4	L/2-63.5 mm
				3	H-122.5 mm
	CT-11	Soleira condensação		1	L
	AX-19	Vareta		1+1	L+H

Acessórios e Juntas

Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 92 00 20	Dobradiças C.E.	4	---
30 92 01 00	Goteiras	4	4
30 92 01 20	Jogo fecho C.E.	1	---
30 92 02 XX	Compasso O.B.	---	1
30 92 02 20	Kit oscilo-batente	---	1
30 92 02 24	Kit 2ª folha oscilo-batente	---	1
30 92 02 60	Apoio da folha	1	---
30 92 03 10	Kit cremone	1	---
30 96 00 04	Esquadro janela	12	12
30 96 00 48	Esquadro alinhamento aro fixo	4	4
30 96 00 12	Jogo topos condensação	1	1
30 96 00 23	Esquadro alinhamento aro fixo	4	4
30 96 00 24	Esquadro alinhamento aro móvel	8	8
30 96 00 22	Esquadro alinhamento interior móvel	4	4
30 96 00 26	Jogo topos inversor	1	1
30 96 00 35	Canto vulcanizado	4	4
30 92 04 70	Espuma isolante	L	
30 96 00 27	Junta exterior folha oculta	2L+4H	
30 96 00 03	Junta central	2L+3H	
30 93 01 20	Junta interior	2L+3H	
---	Junta interior vidro	2L+4H	

Vidro

Hv = H-139 mm	Lv = L/2-79 mm
---------------	----------------

