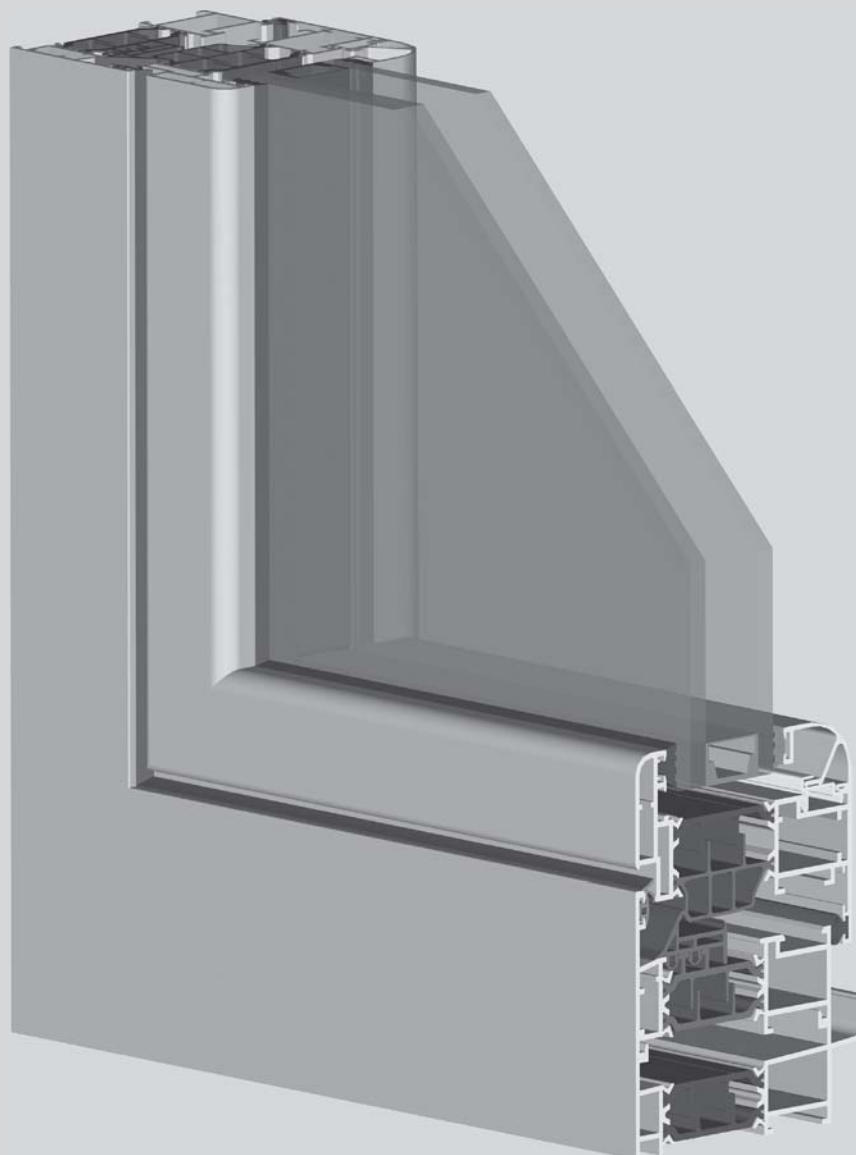
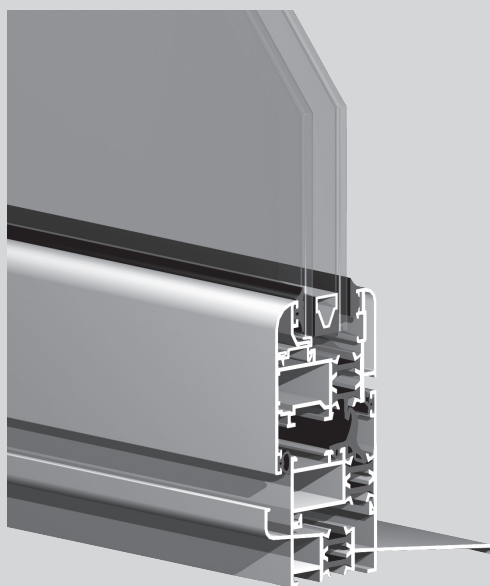




SISTEMAS BATENTE ROTURA TÉRMICA



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)

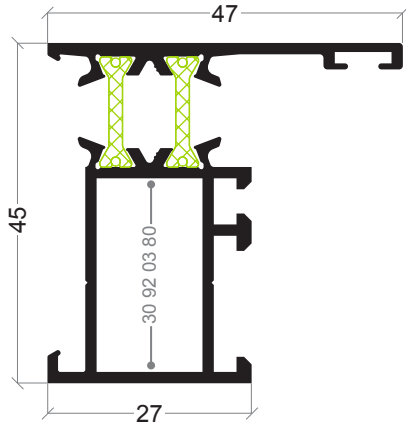
Coefficiente de transmissão térmica de vão de 2 folhas com 1.20 m x 1.50 m com vidro Ug = 0.7 W/m²K, com intercalar efeito "Warm Edge":

• Uw = 1.72 W/m²K

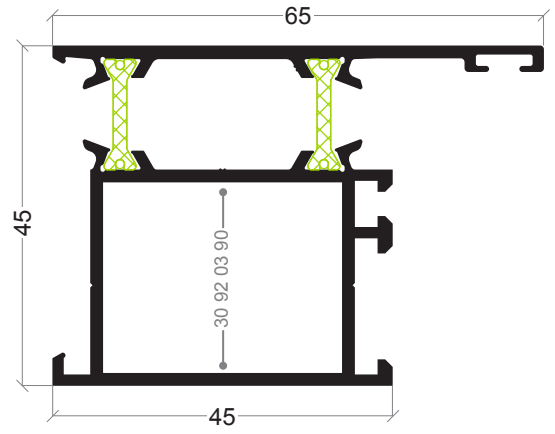
Coefficiente de atenuação acústica de vão de 2 folha com vidro 4/14/6:

• Rw (C; Ctr) = 34 dB (-1; -4)

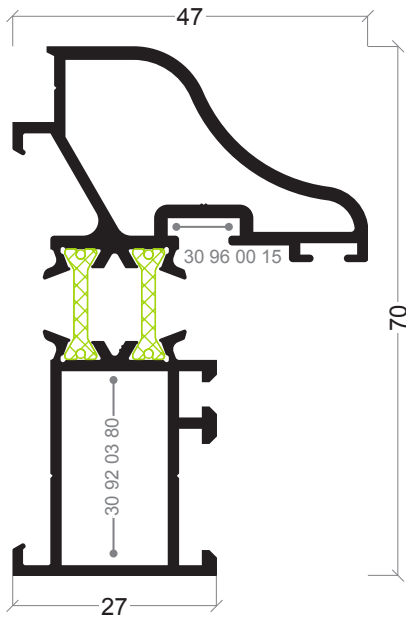
Zonas de aplicação segundo RCCTE (em função do valor Ug): I1, I2, I3, V1, V2, V3.



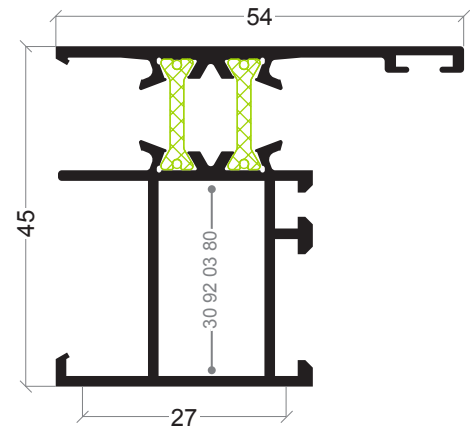
AXi-03
Aro fixo



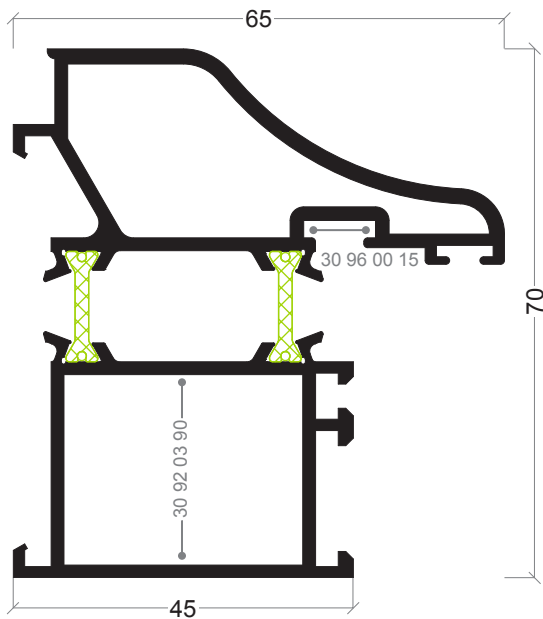
AXi-08
Aro fixo



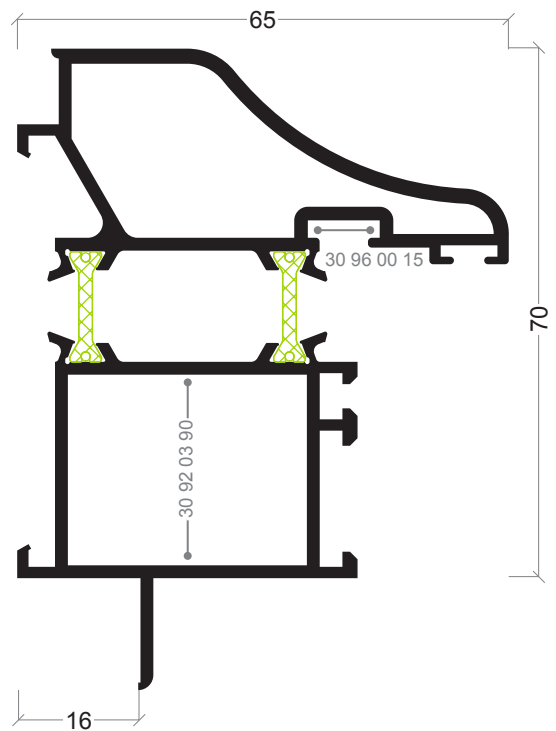
AXi-49
Aro fixo



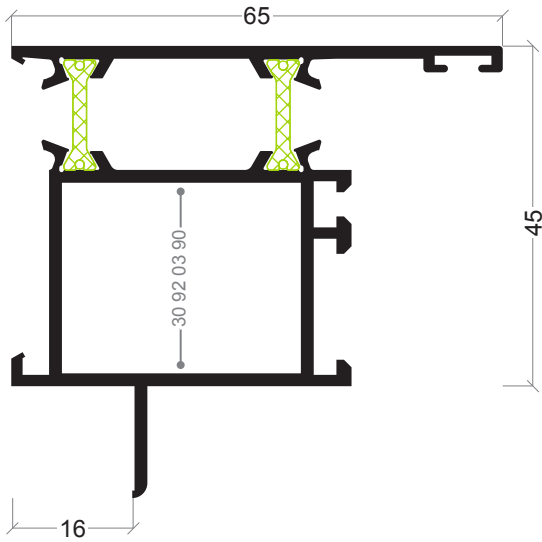
AXi-81
Aro fixo



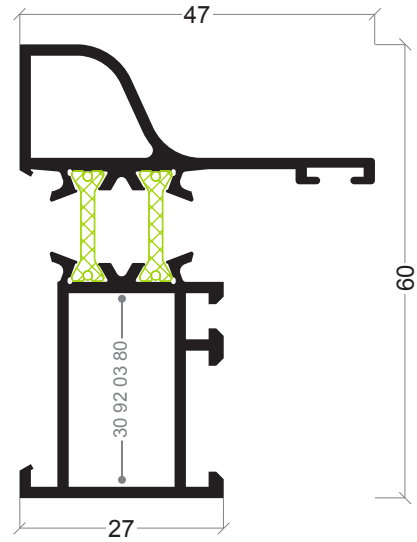
AXi-50
Aro fixo



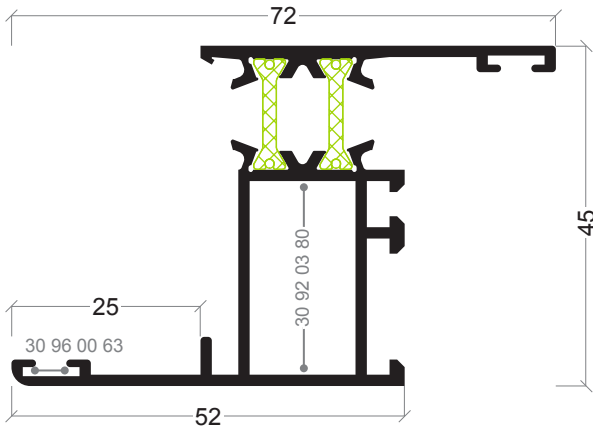
AXi-51
Aro fixo para apainelado



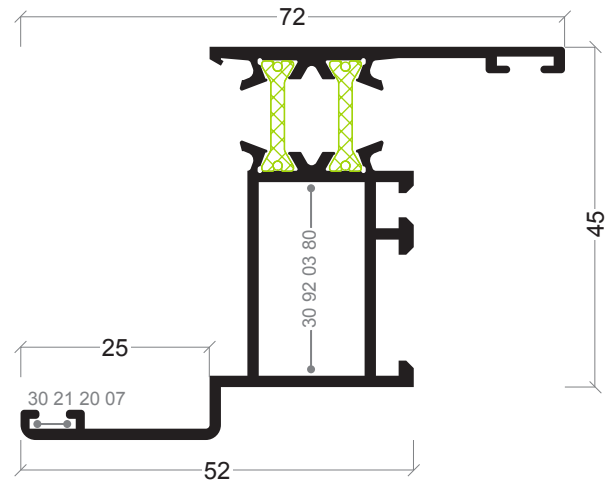
AXi-48
Aro fixo para apanelado



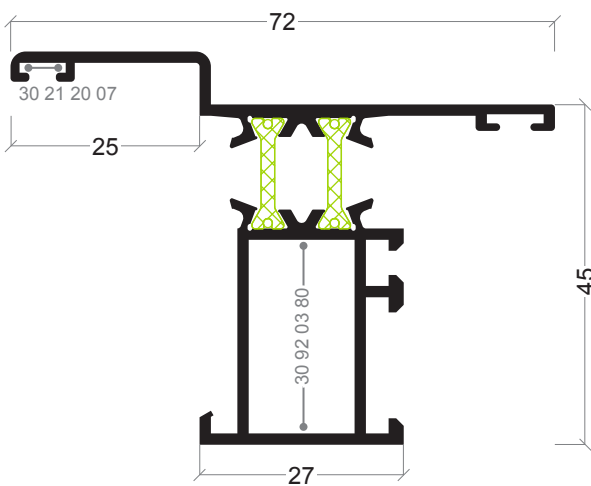
AXi-33
Aro fixo



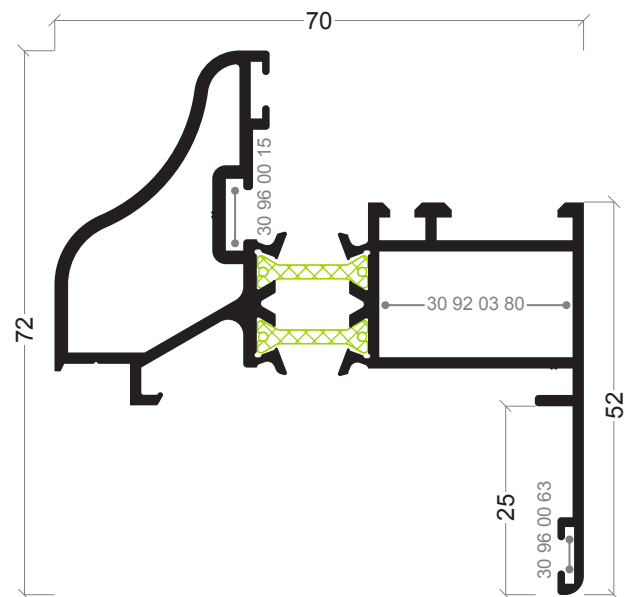
AXi-25
Aro fixo com remate



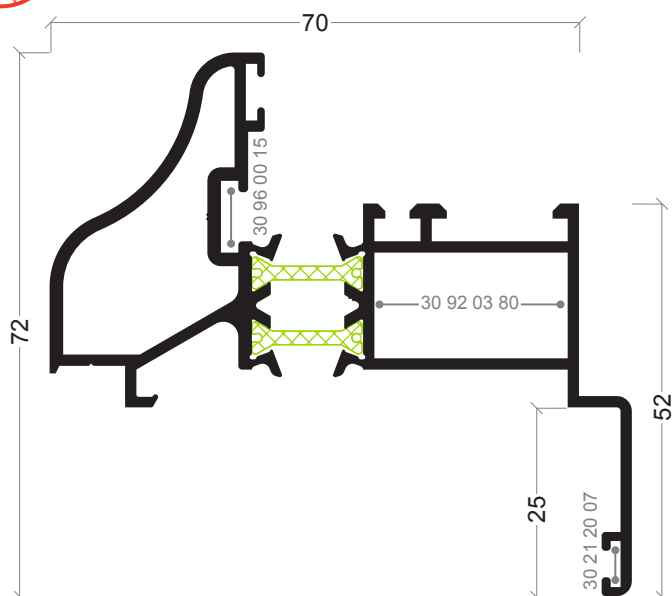
AXi-19
Aro fixo com remate



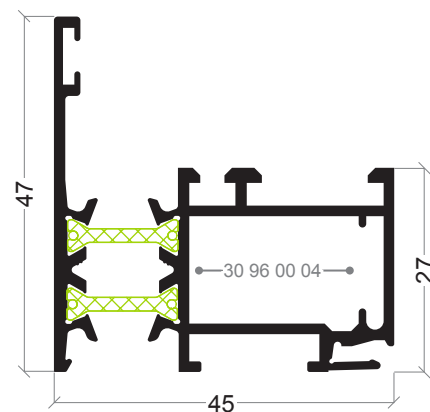
AXi-23
Aro fixo com remate



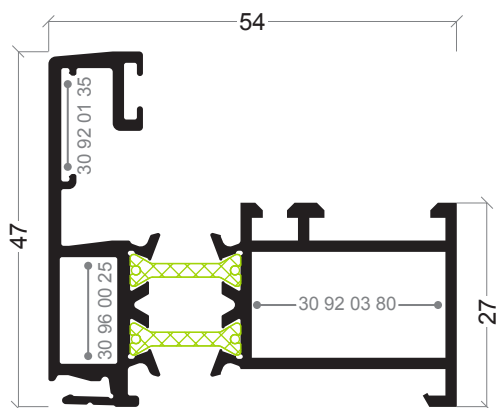
AXi-58
Aro fixo com remate


AXi-56

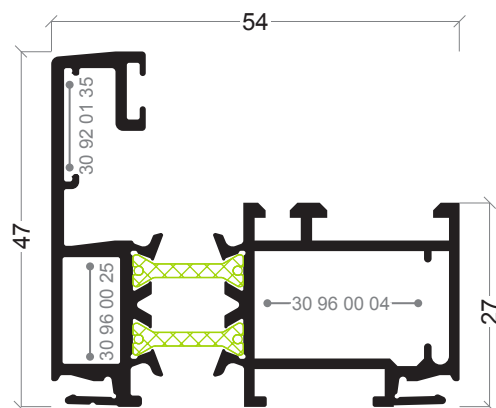
Aro fixo com remate


AXi-90

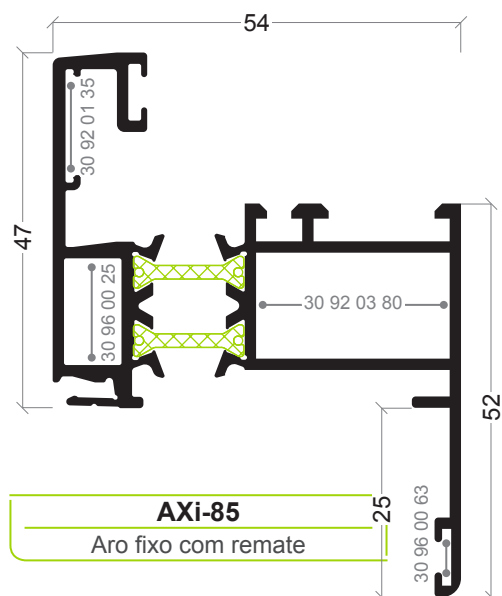
Aro fixo


AXi-86

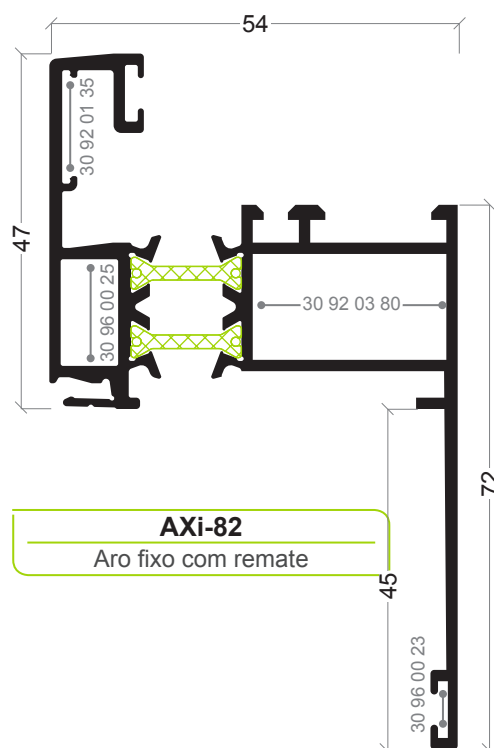
Aro fixo


AXi-87

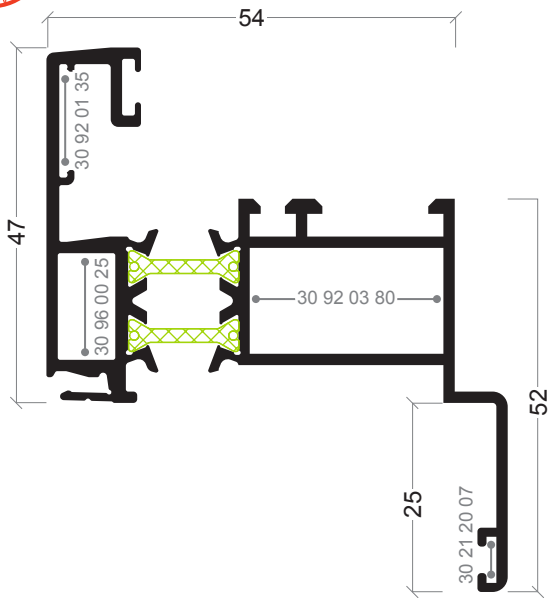
Aro fixo


AXi-85

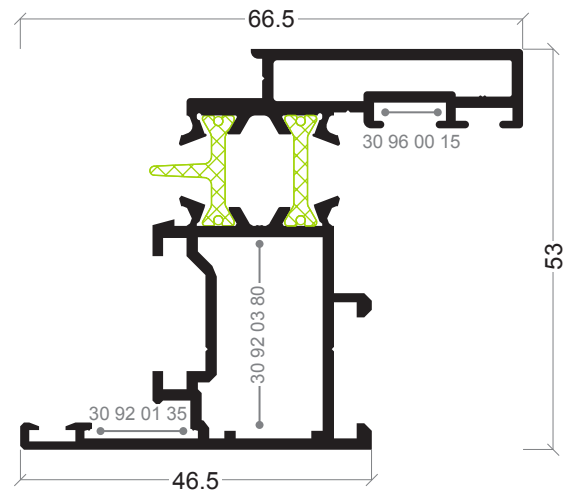
Aro fixo com remate


AXi-82

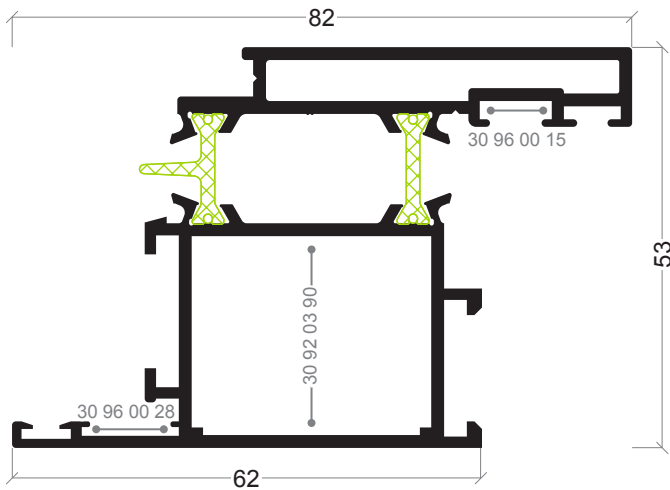
Aro fixo com remate



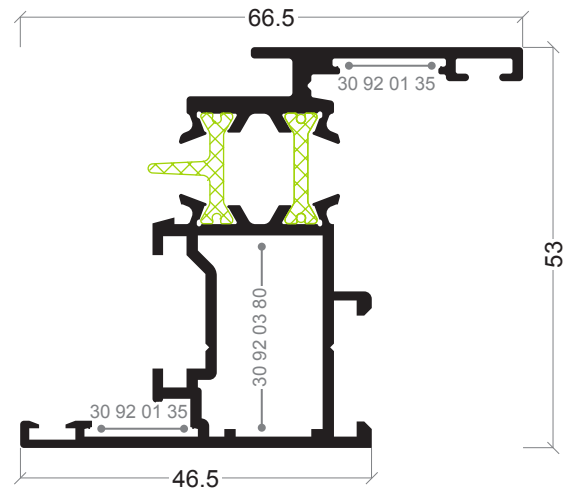
AXi-84
Aro fixo com remate



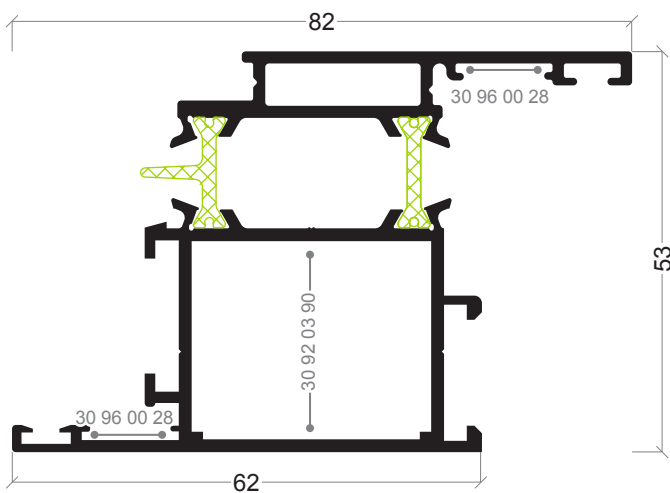
AXi-64
Aro móvel



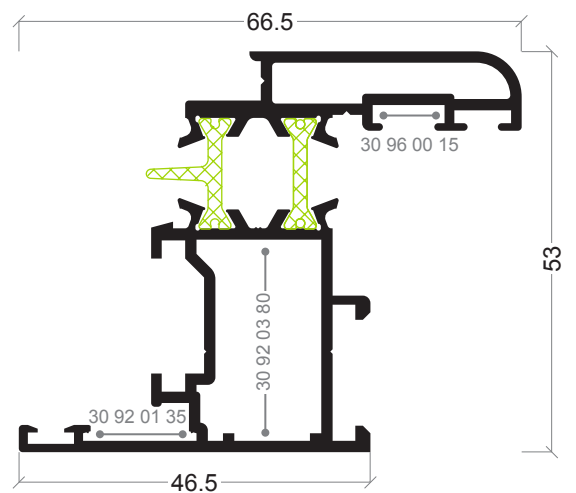
AXi-65
Aro móvel



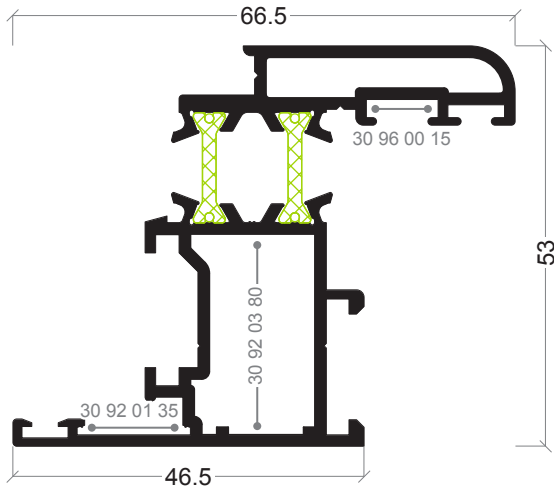
AXi-02
Aro móvel



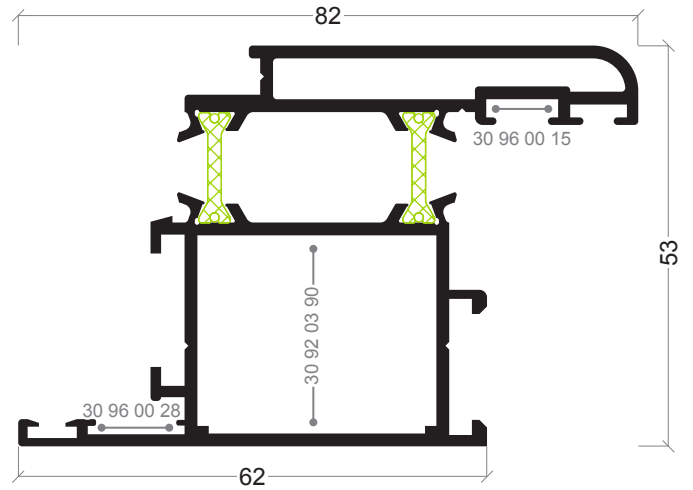
AXi-07
Aro móvel



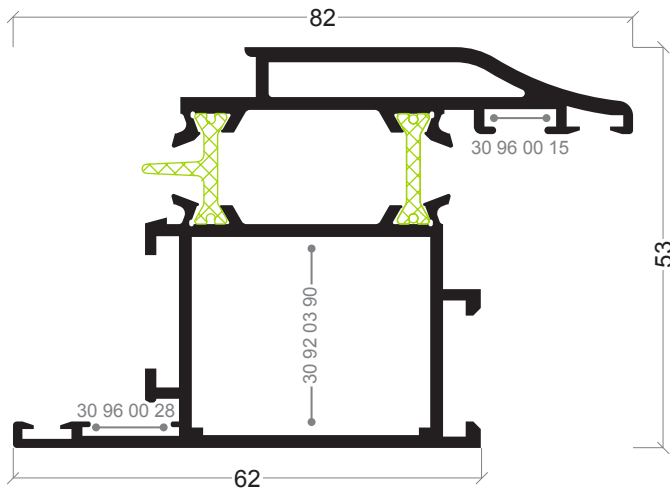
AXi-24
Aro móvel



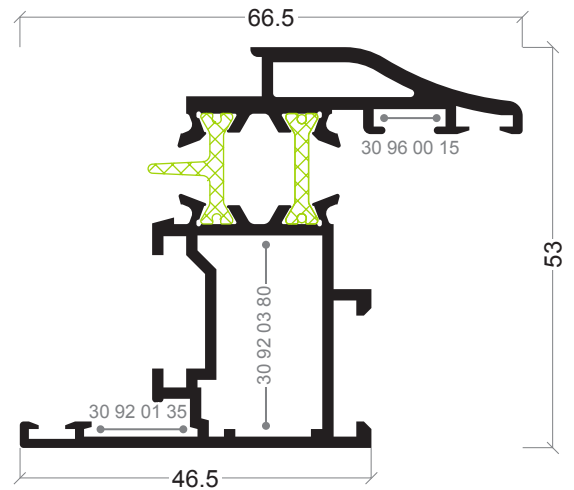
AXi-05
Aro móvel



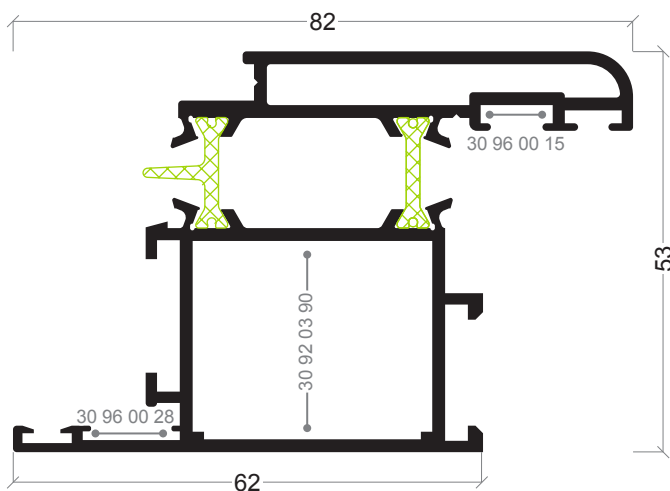
AXi-10
Aro móvel



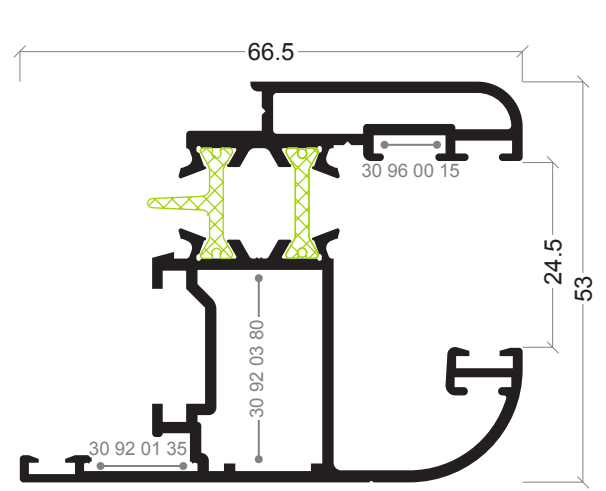
AXi-53
Aro móvel



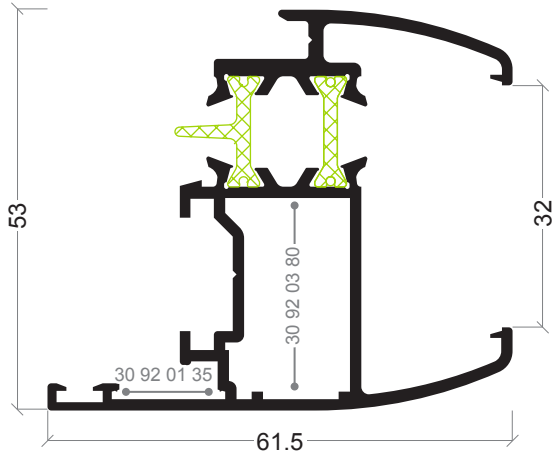
AXi-52
Aro móvel



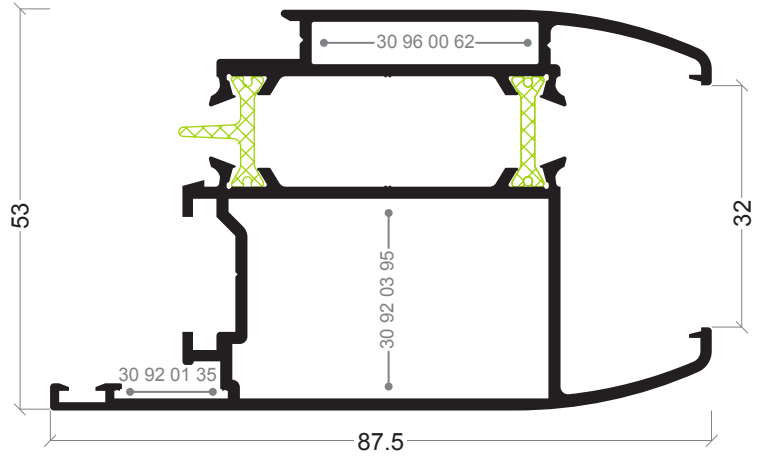
AXi-27
Aro móvel



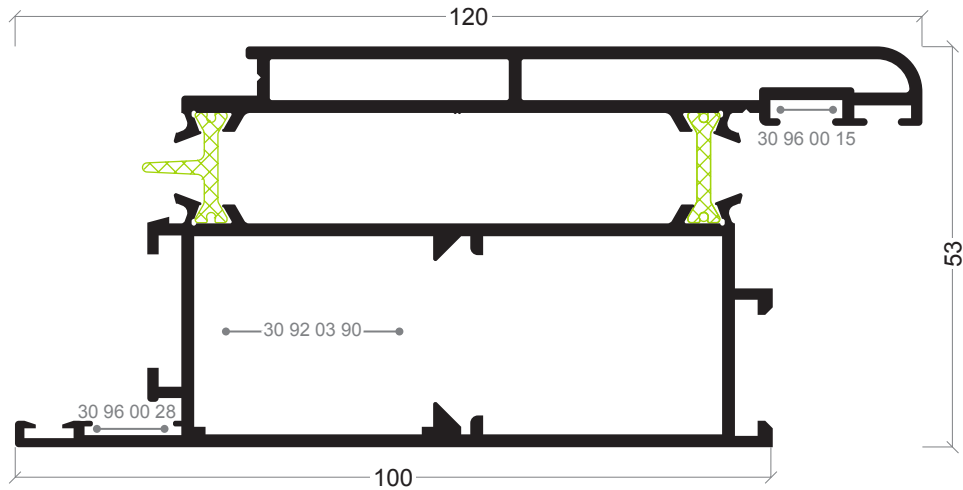
AXi-44
Aro móvel



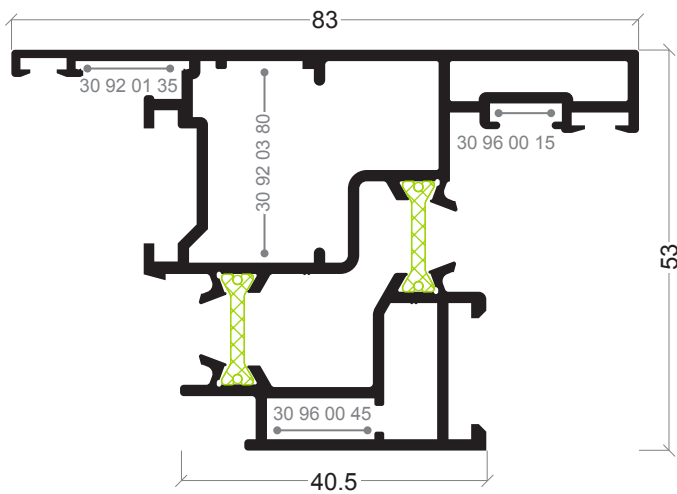
AXi-76
Aro móvel



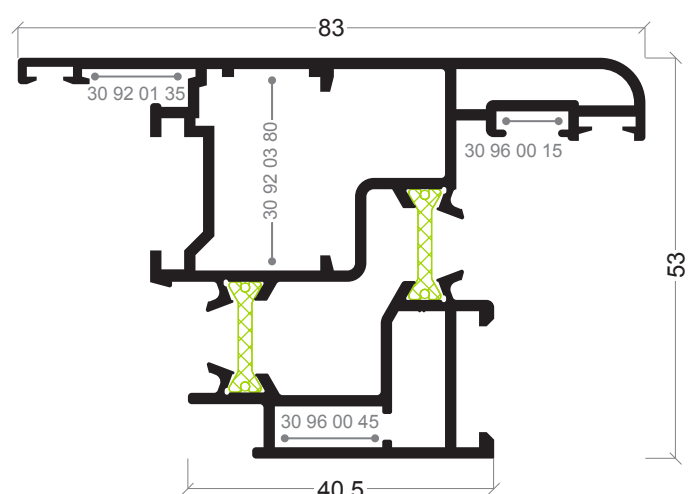
AXi-77
Aro móvel



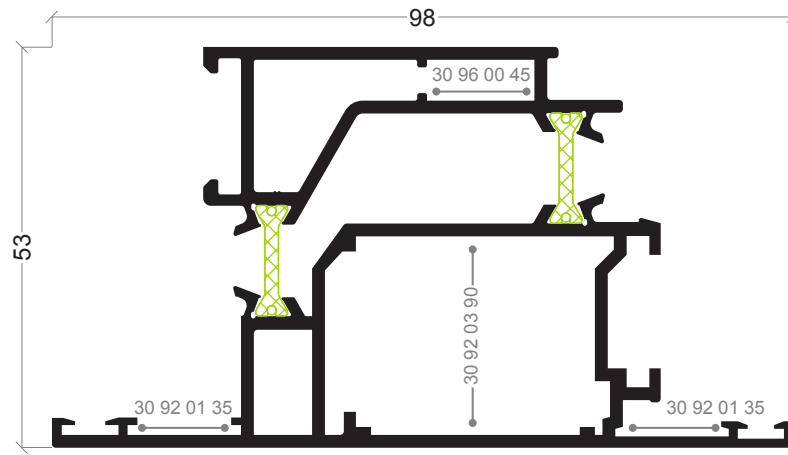
AXi-66
Aro móvel



AXi-60
Aro móvel abertura exterior

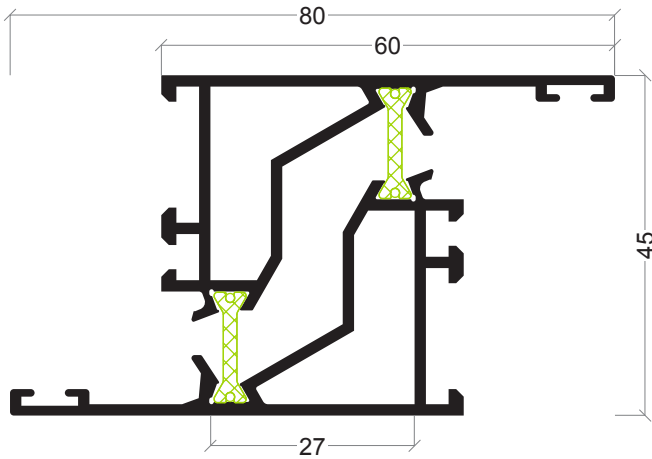


AXi-59
Aro móvel abertura exterior



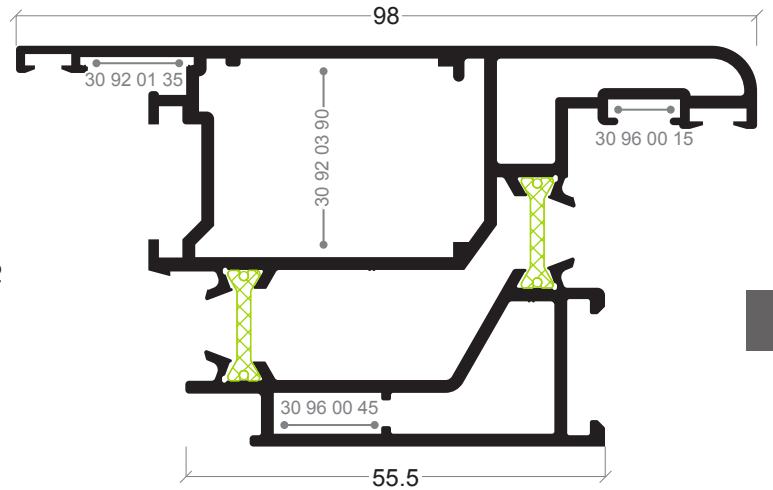
AXi-71

Aro móvel abertura exterior



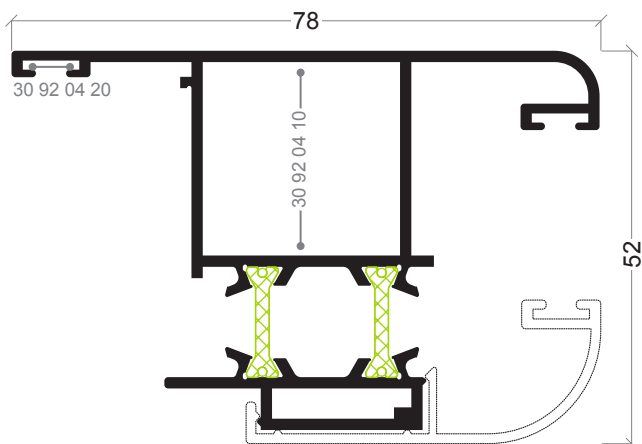
AXi-61

Aro fixo abertura exterior c/ fixo lateral



AXi-62

Aro móvel abertura exterior



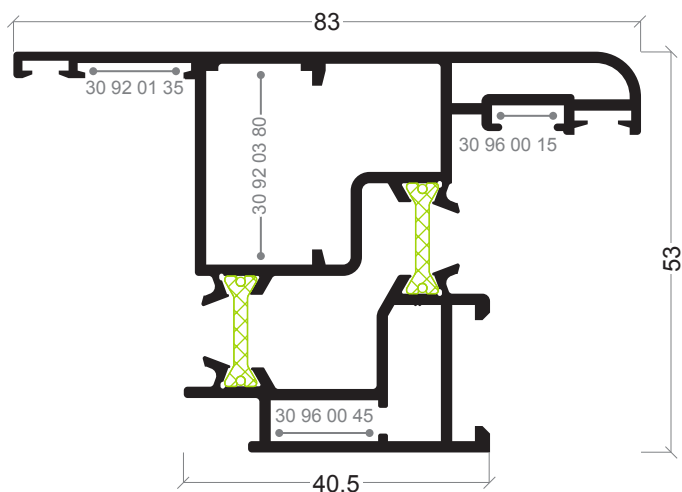
AXi-26

Aro móvel abertura exterior



AZ-29

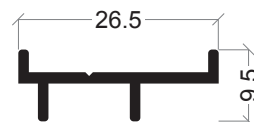
Bite para AXi-26



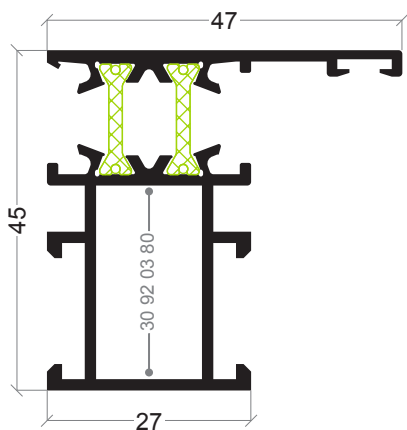
AXi-63
Aro móvel projectante



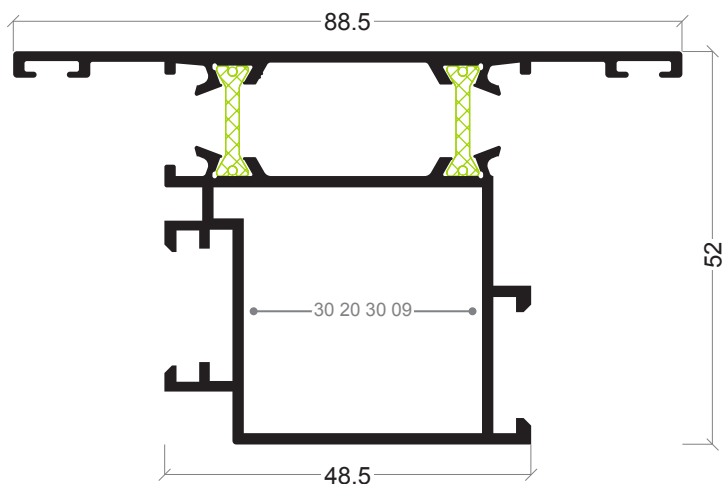
AXi-31
Guia abertura projectante



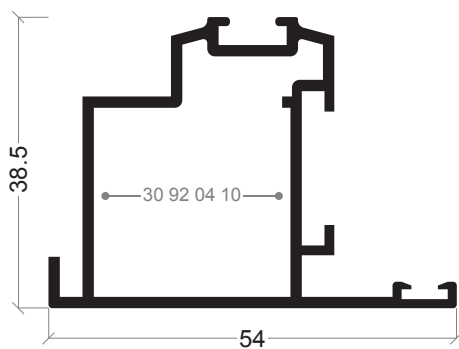
AXi-32
Complemento abertura projectante



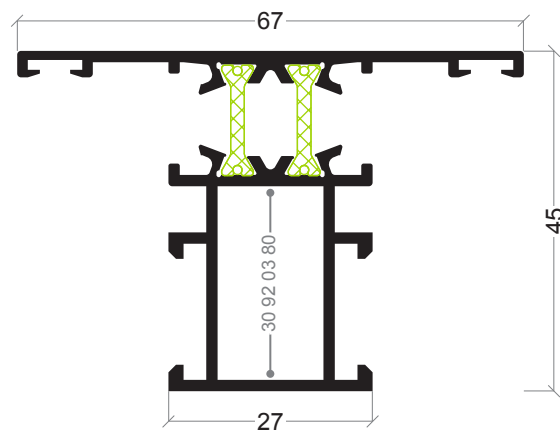
AXi-38
Aro fixo pivotante



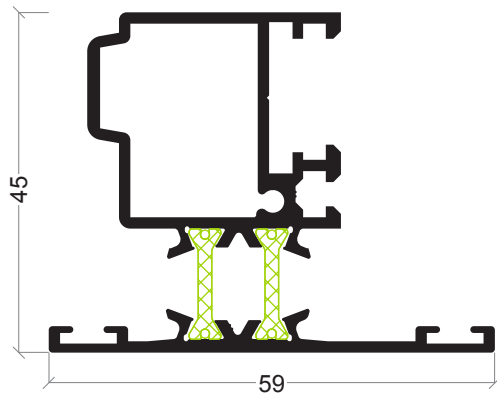
AXi-40
Aro móvel pivotante



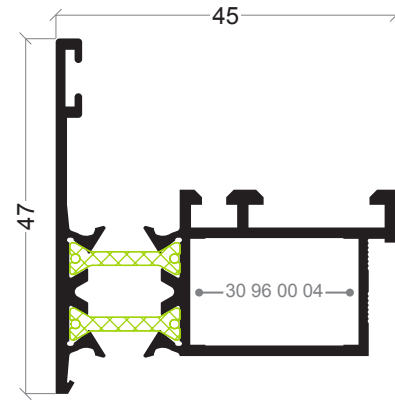
AXi-41
Inversor pivotante



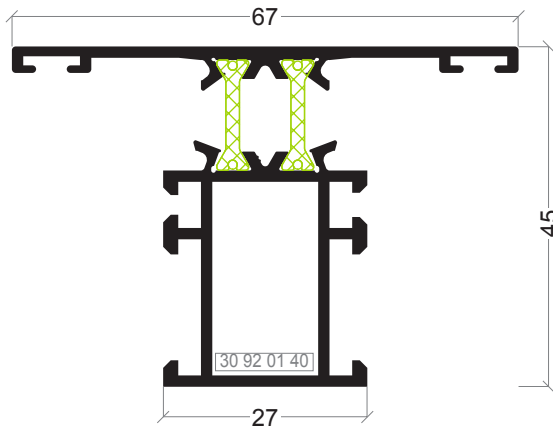
AXi-39
Travessa pivotante



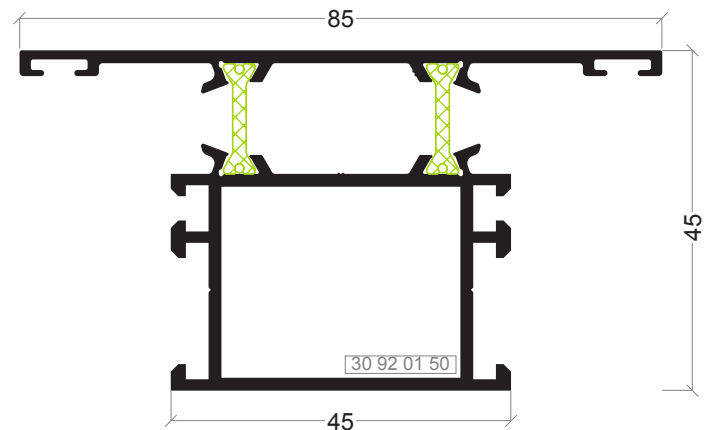
AXi-04
Inversor



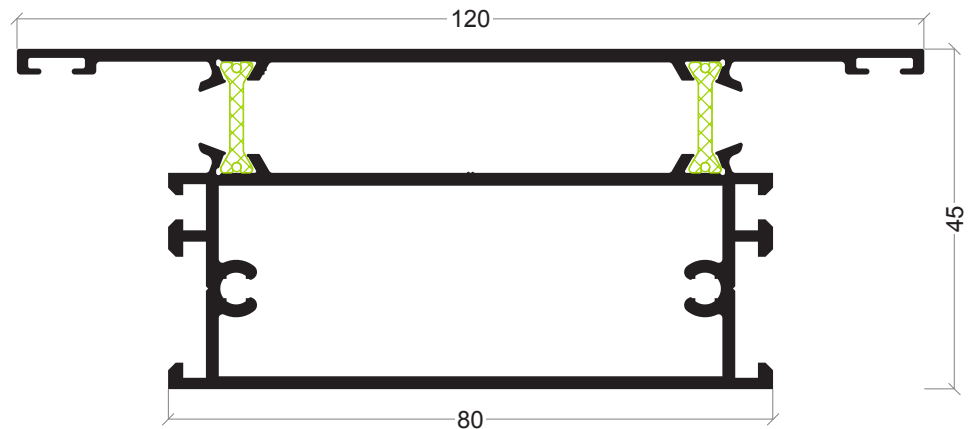
AXi-75
Inversor abertura exterior



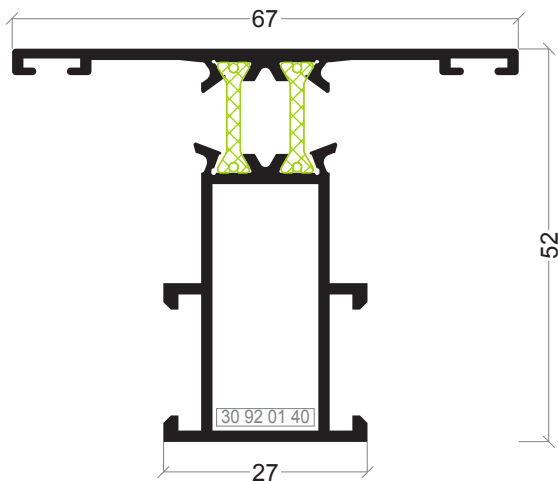
AXi-01
Travessa



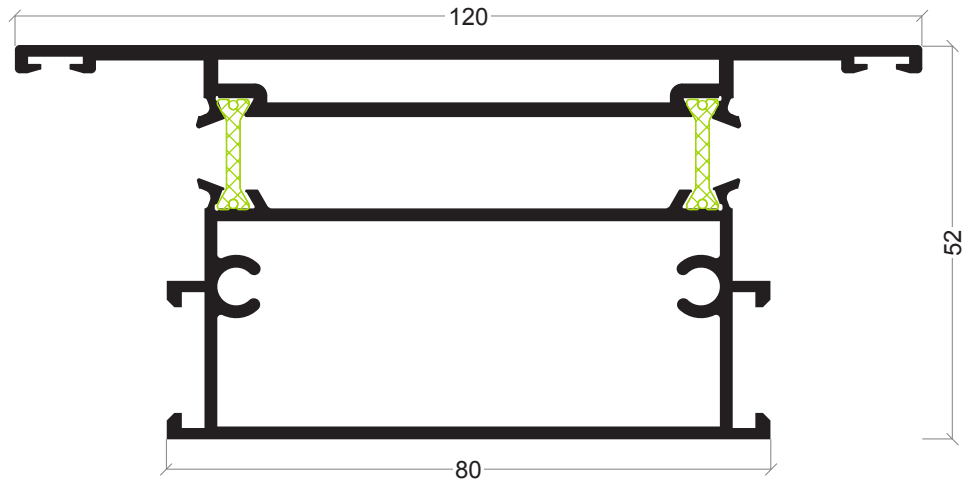
AXi-06
Travessa



AXi-12
Travessa

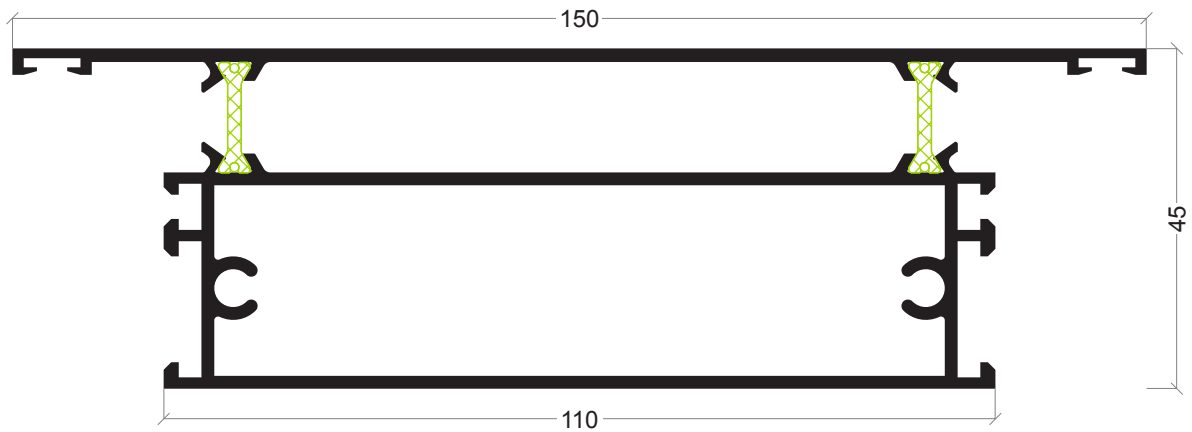


AXi-09
Travessa



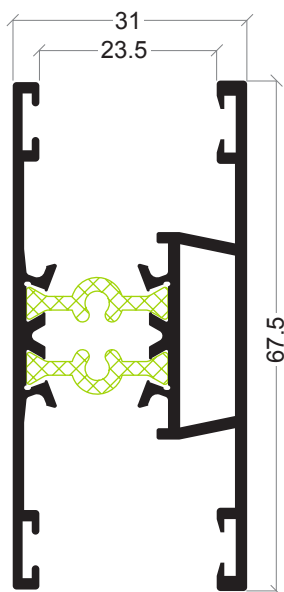
AXi-13

Travessa



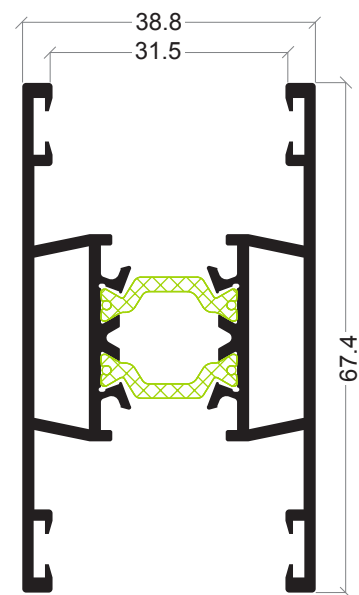
AXi-14

Travessa



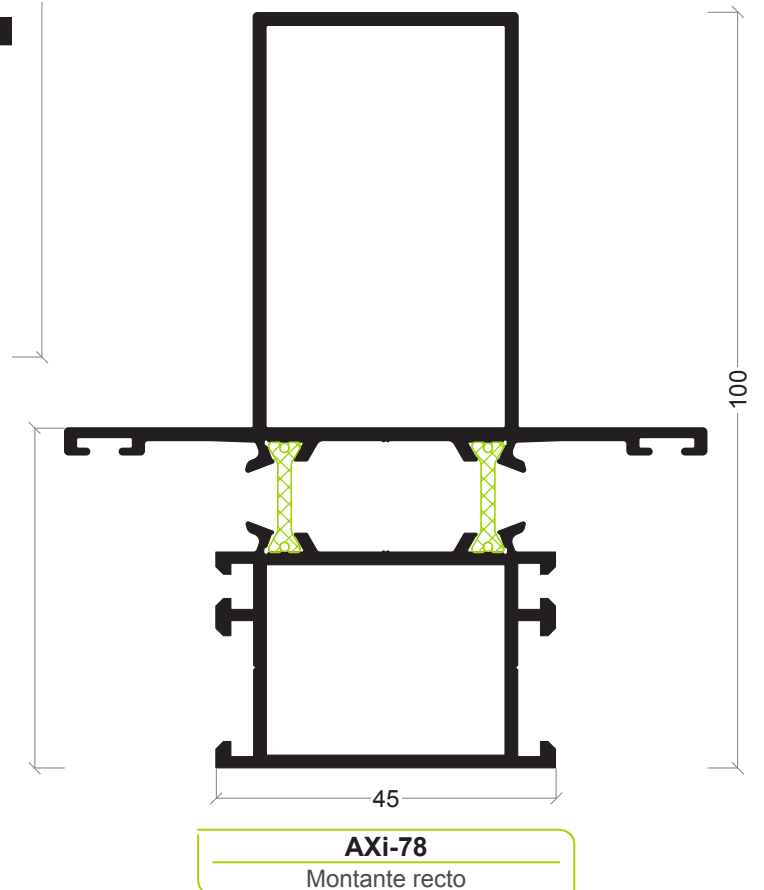
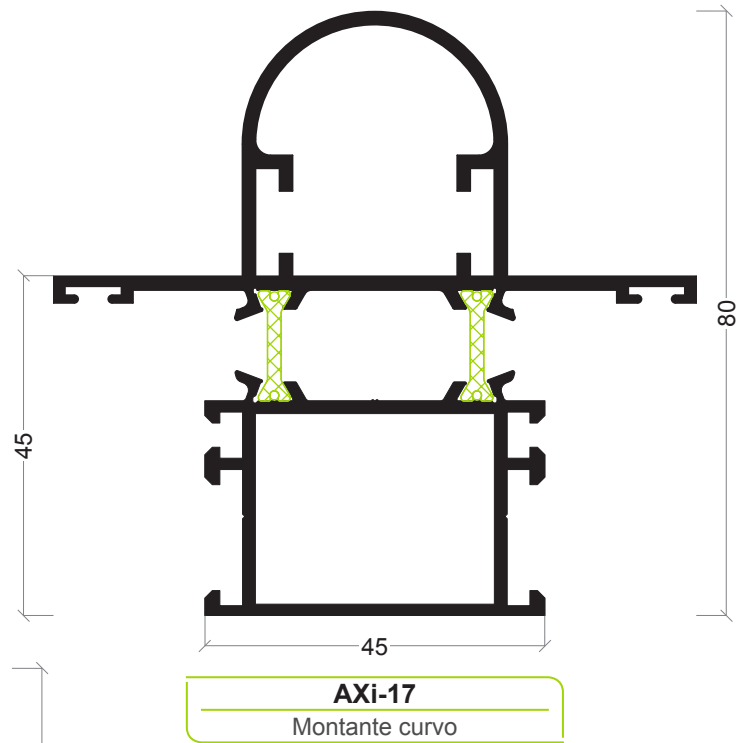
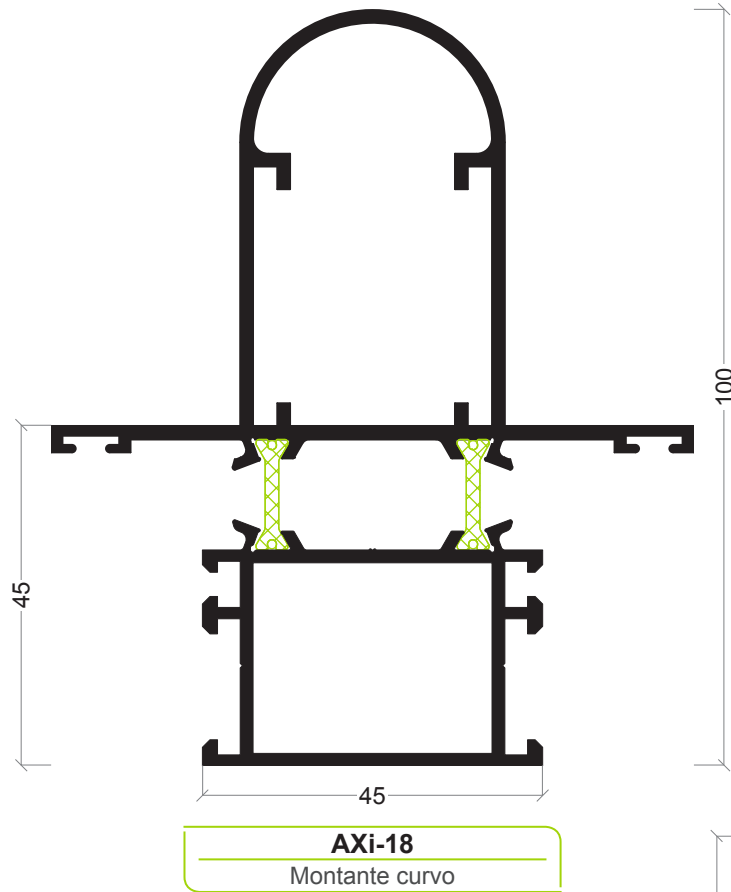
AXi-43

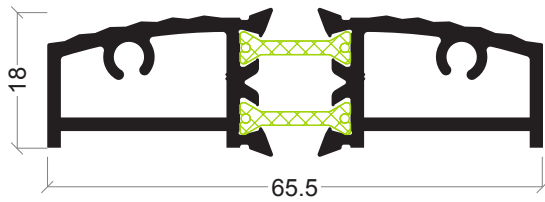
Travessa para AXi-44



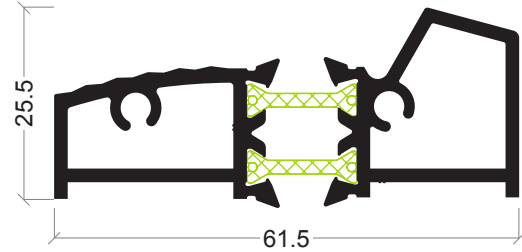
AXi-79

Travessa para AXi-77

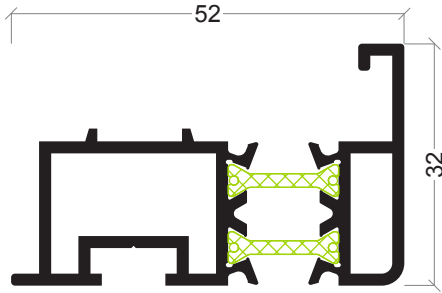




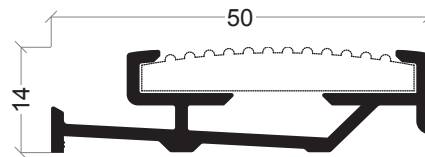
AXi-69
Remate inferior porta



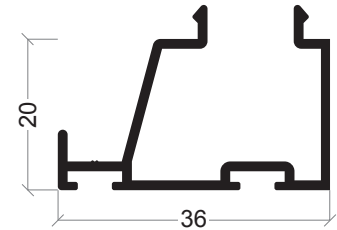
AXi-70
Remate inferior porta



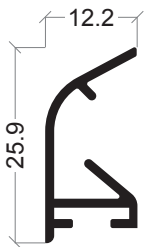
AXi-42
Remate almofada



AZ-69
Remate inferior porta



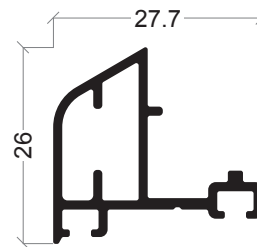
AX-15
Bite remate



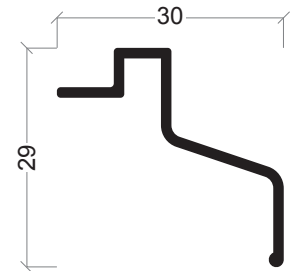
AZ-60
Pingadeira



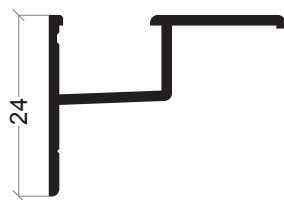
AZ-61
Clip pingadeira



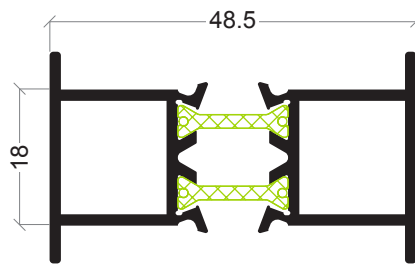
AZ-79
Pingadeira



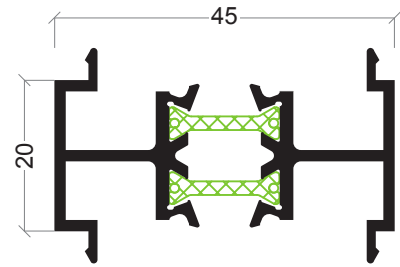
AXi-45
Pingadeira



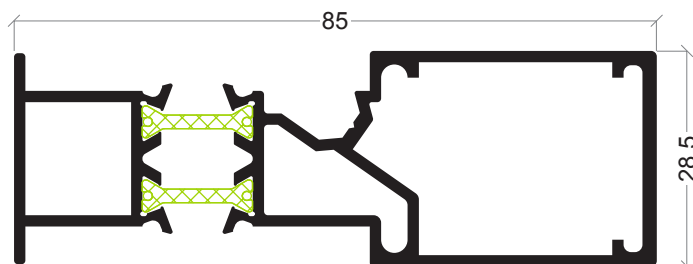
Y-20
Recolha de águas condensação



AXi-54
União de aros



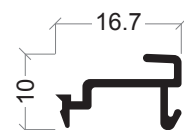
AXi-15
União de aros



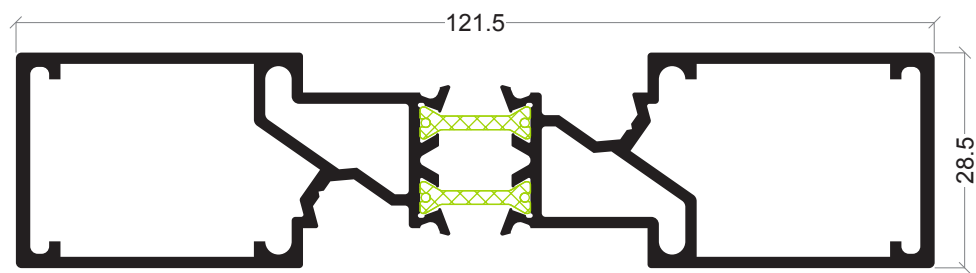
AXi-67
União de aros com reforço



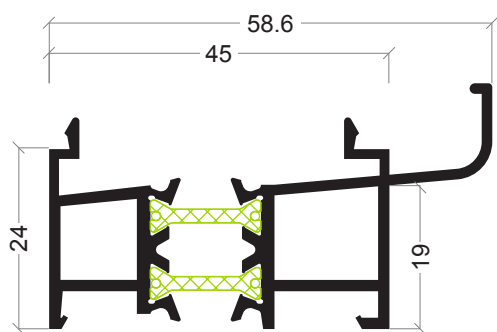
AX-19
Vareta



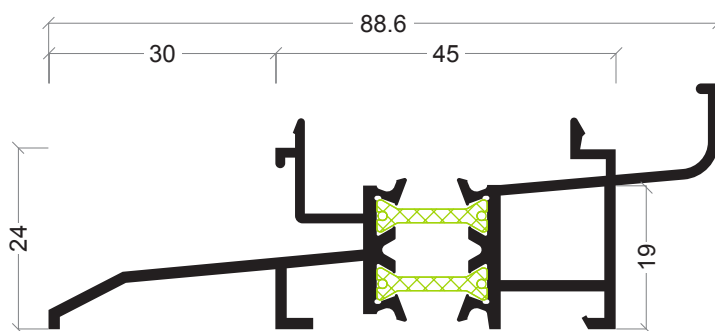
AX-33
Mola Bite


AXi-68

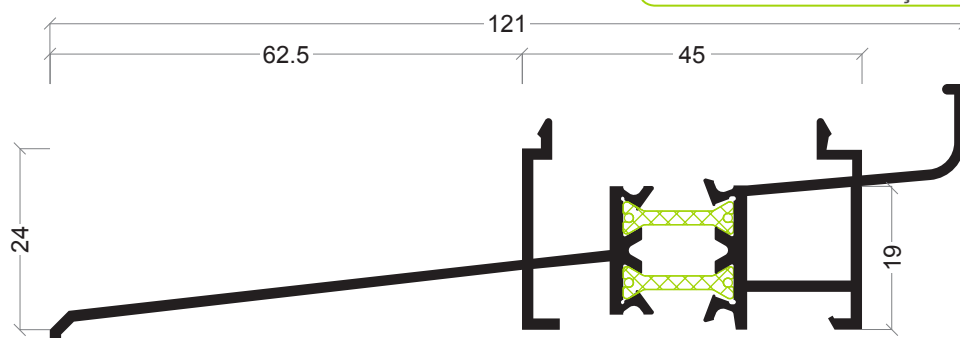
União de aros com reforço


AXi-57

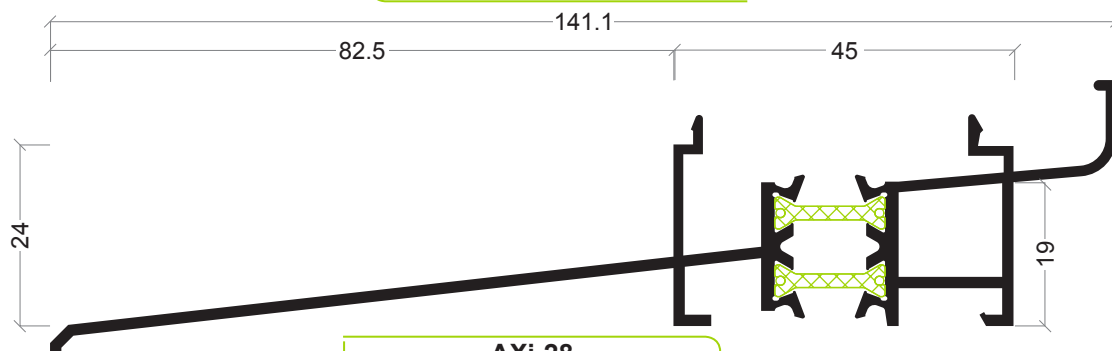
Soleira condensação


AXi-29

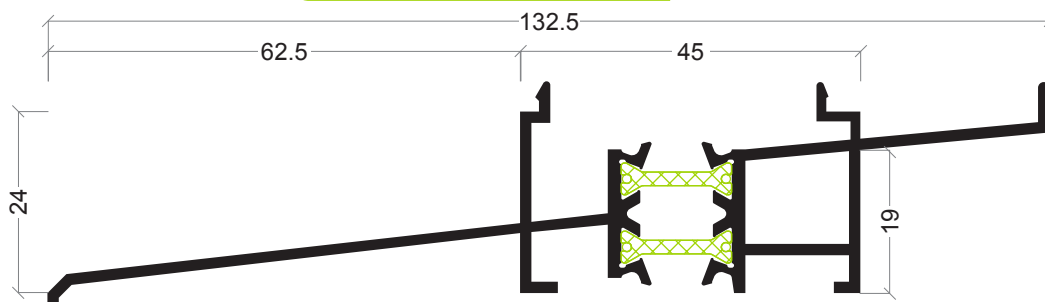
Soleira condensação


AXi-30

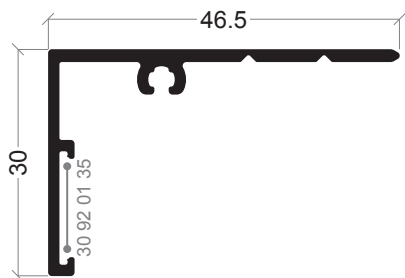
Soleira condensação


AXi-28

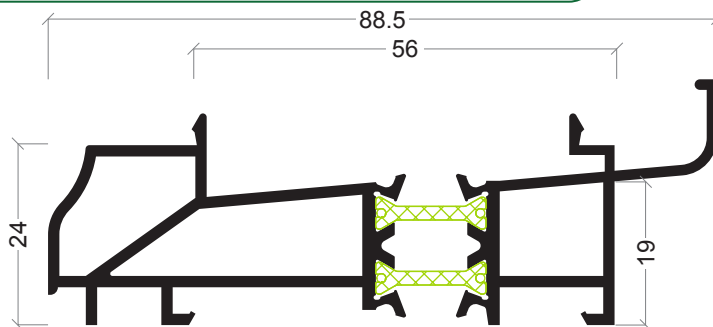
Soleira condensação


AXi-22

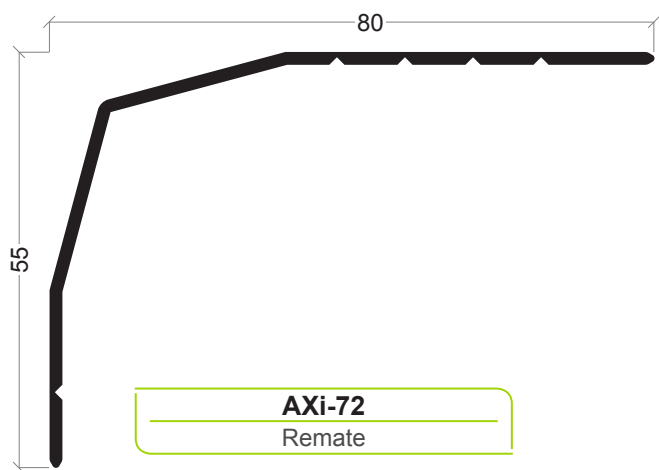
Soleira condensação



AXi-80
Remate



AXi-55
Soleira condensação



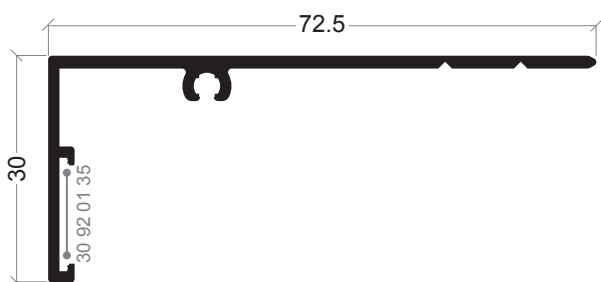
AXi-72
Remate



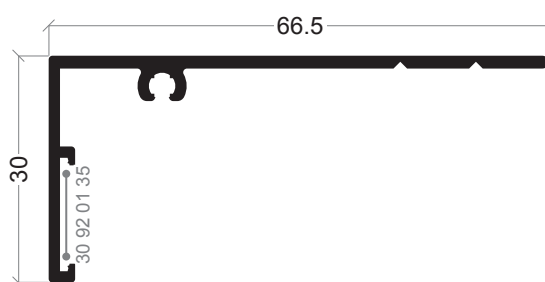
AXi-88
Complemento remate



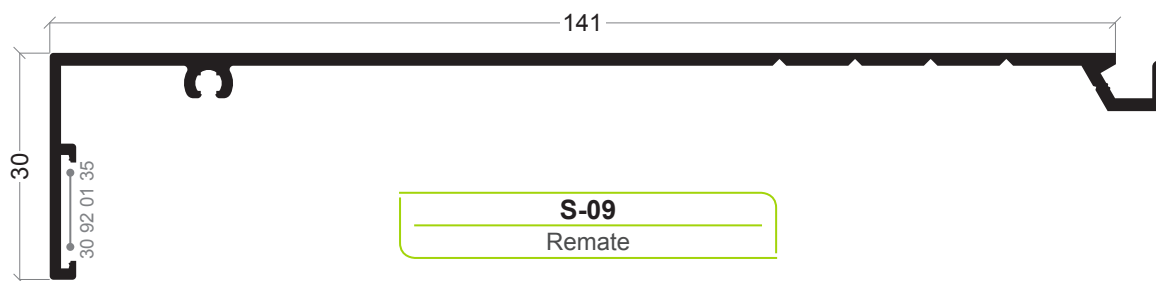
AXi-91
Complemento remate



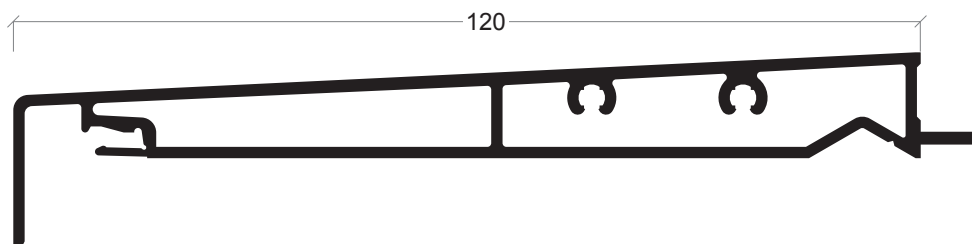
AXi-83
Remate



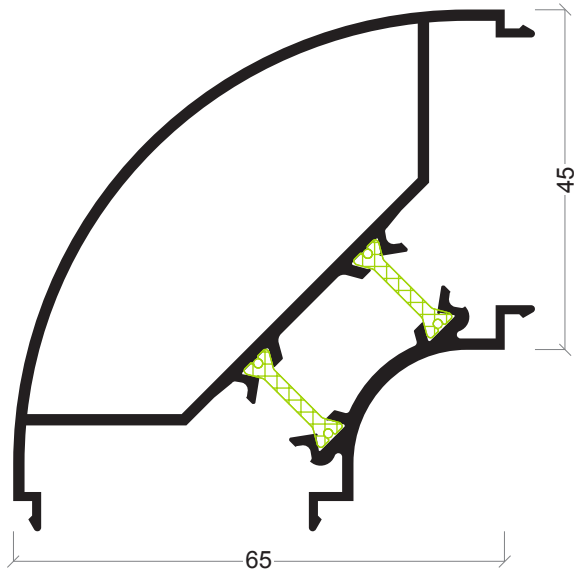
AXi-73
Remate



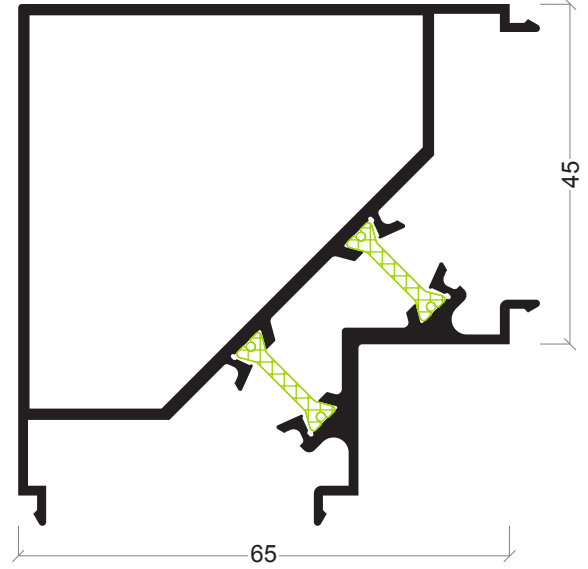
S-09
Remate



AXi-74
Remate soleira

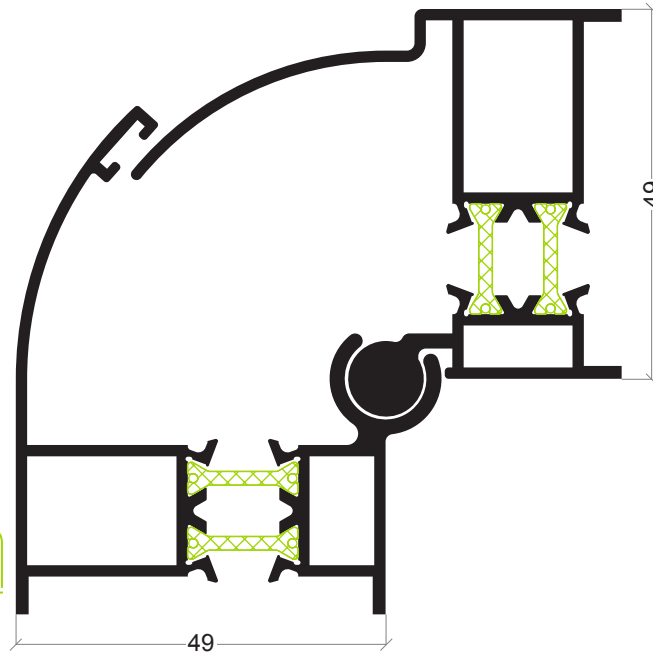


AXi-16
Esquina

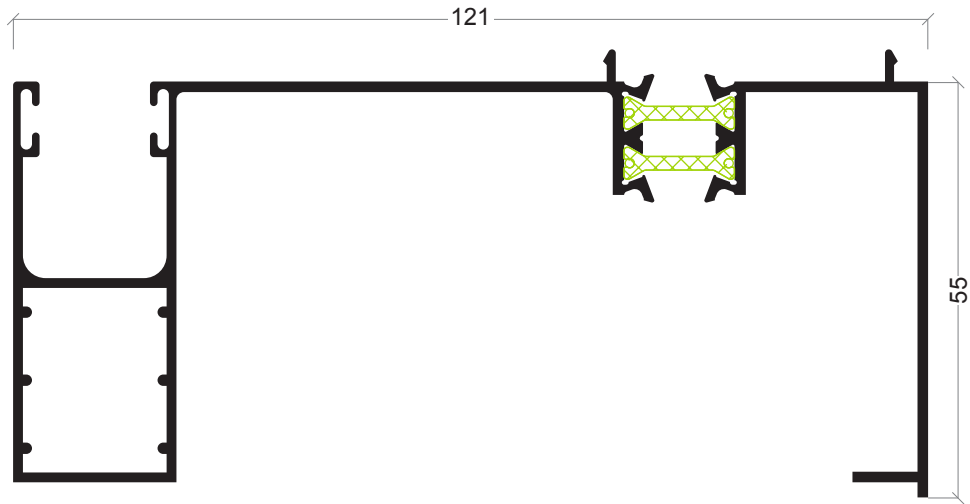


AXi-34
Esquina

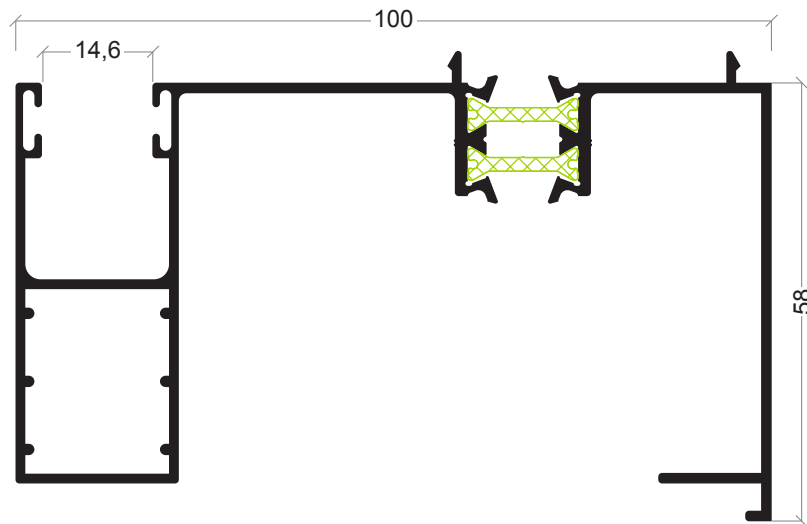
AXi-36
União de aros para ângulos



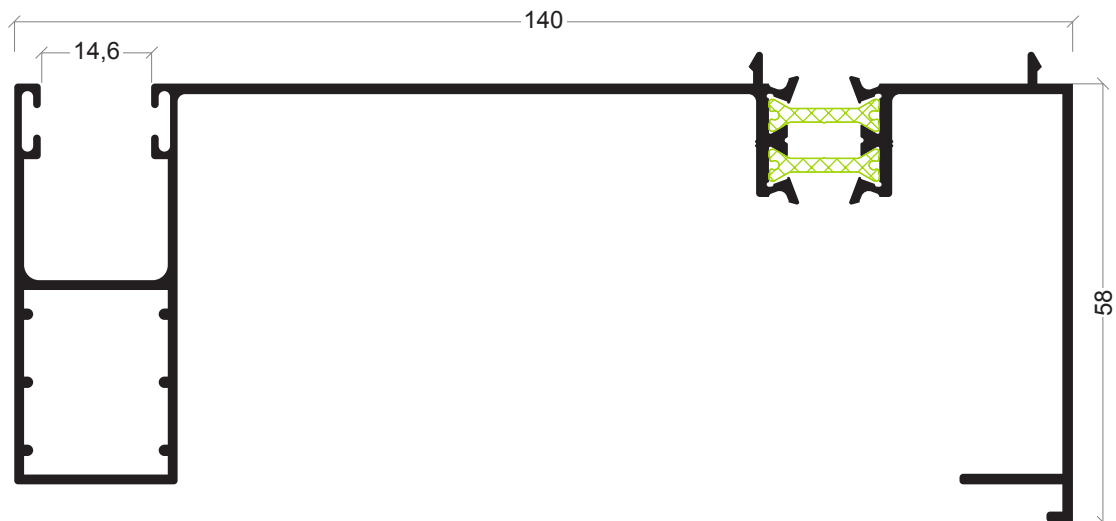
AXi-37
União de aros para ângulos



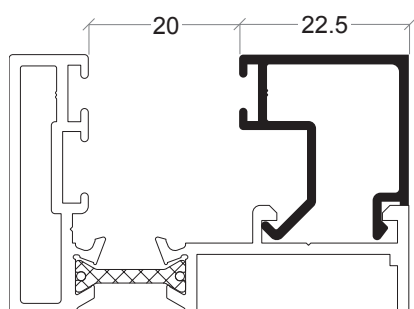
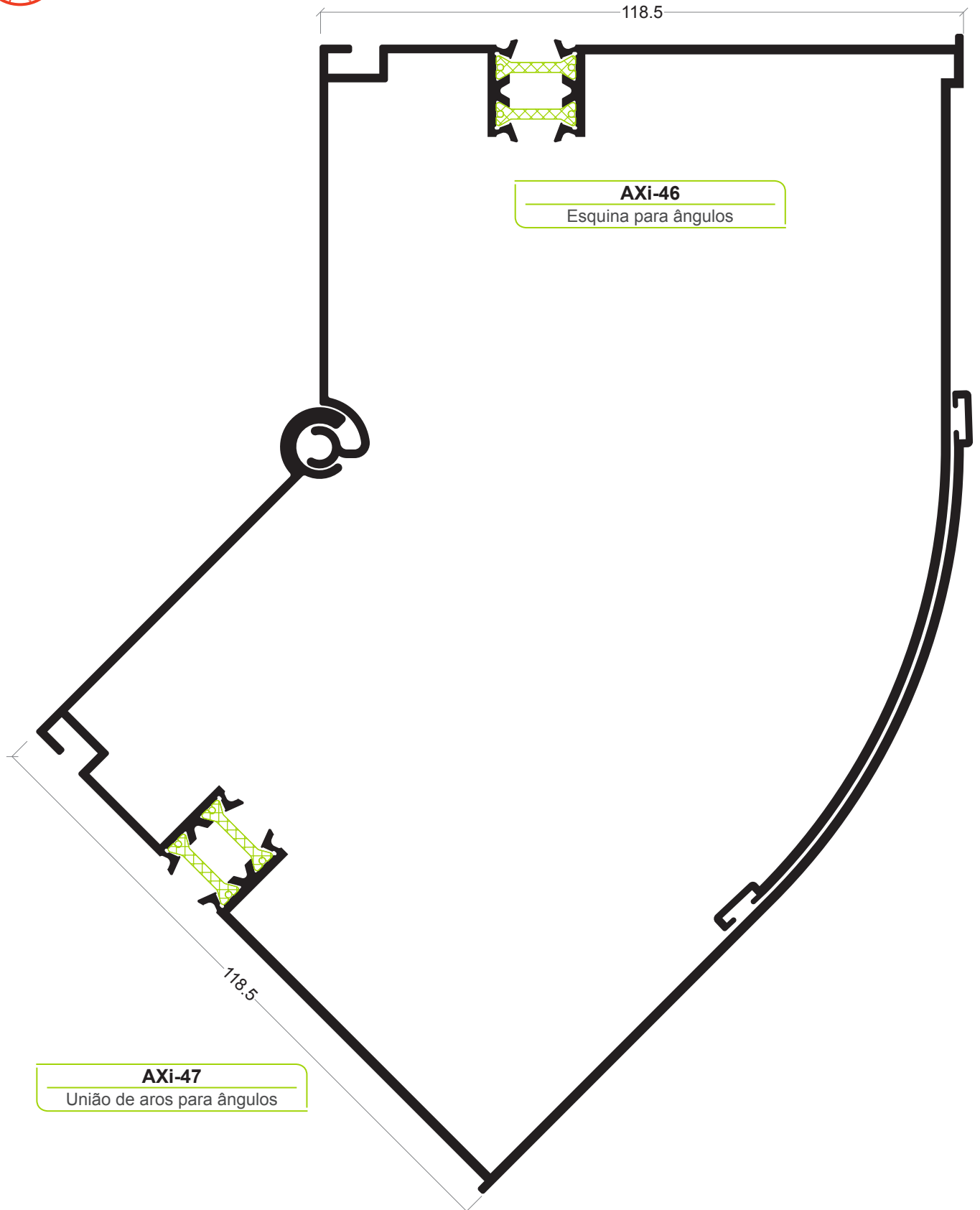
AXi-11
Pré-aro com calha estore



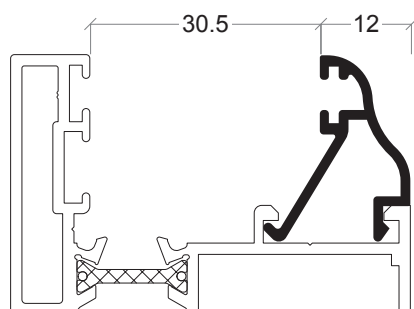
AXi-93
Pré-aro com calha estore



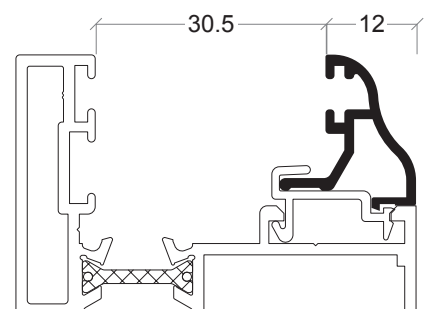
AXi-94
Pré-aro com calha estore



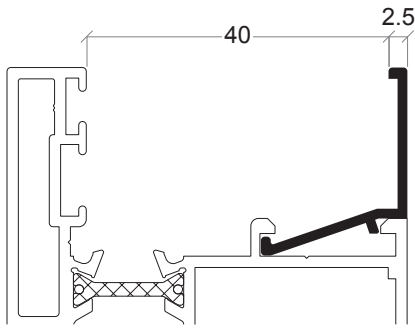
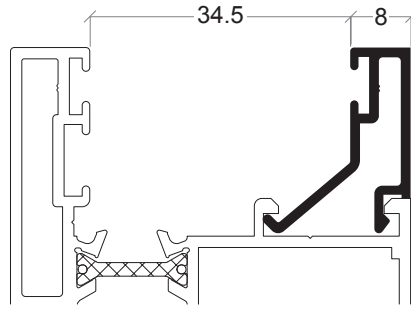
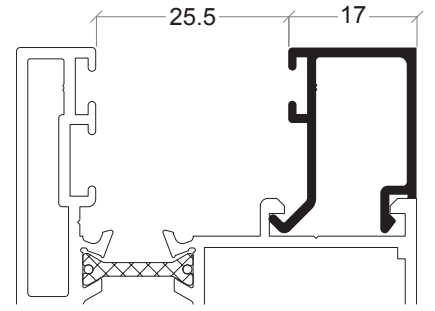
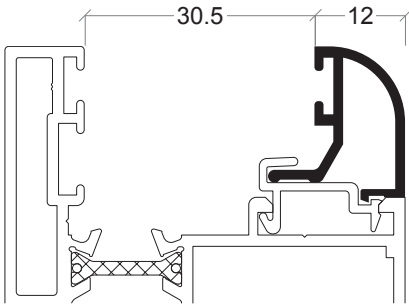
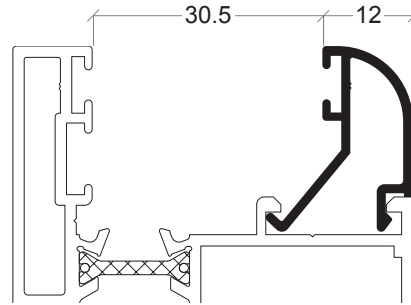
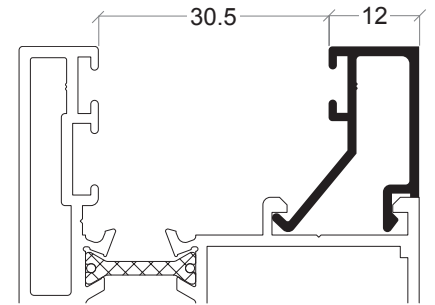
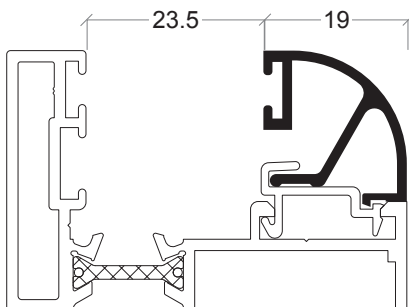
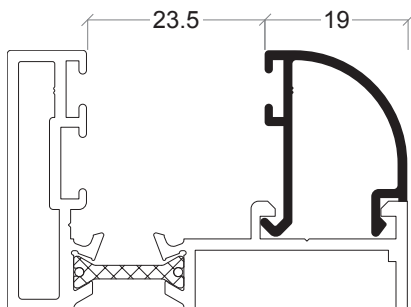
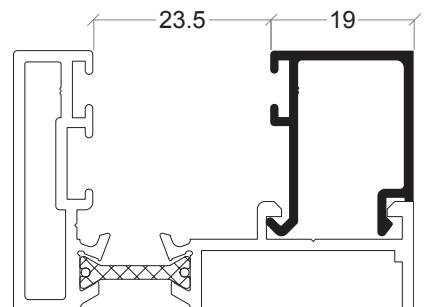
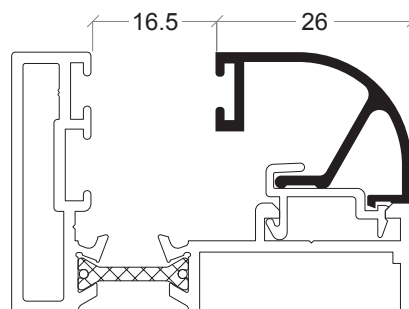
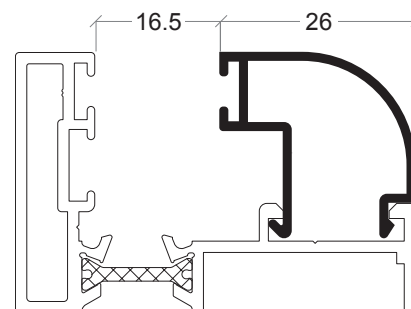
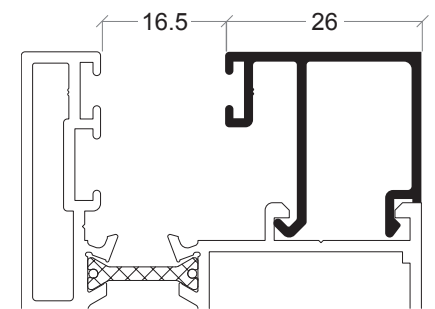
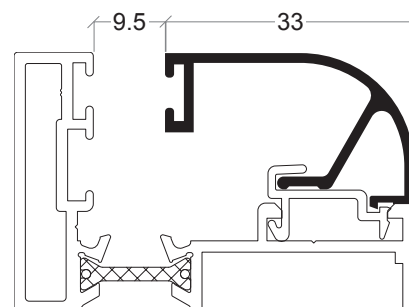
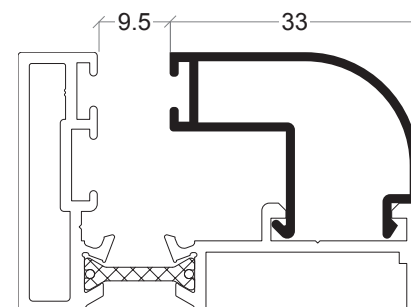
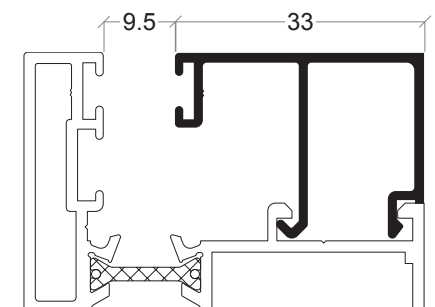
AX-78

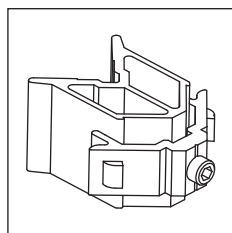


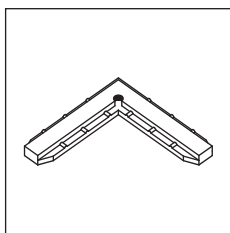
AX-73

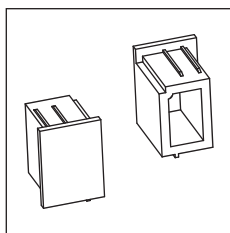


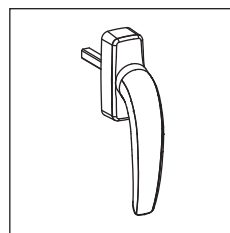
AX-72

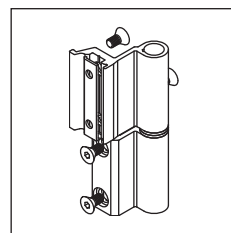

AX-69

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

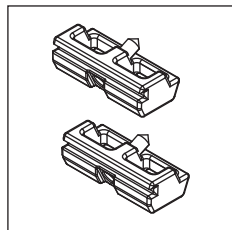

30 20 30 09

 Esquadro móvel
pivotante

30 21 20 07

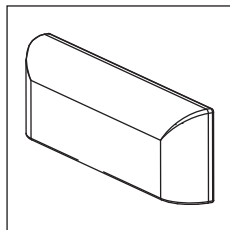
 Esquadro de
alinhamento

30 91 21 20

 Jogo topos condensação
Y-20

30 91 41 47/48

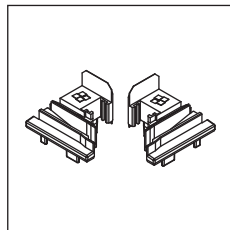
 Cremone pivotante especial
branco/preto

30 92 00 20/21

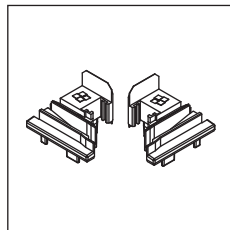
 Dobradiça C.E. branco/
preto

30 92 00 50

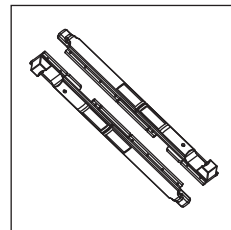
Complemento fecho


30 92 01 00/01

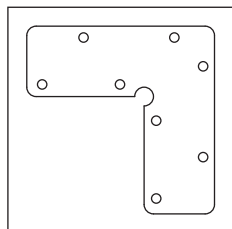
Goteiras branco/preto


30 92 01 12

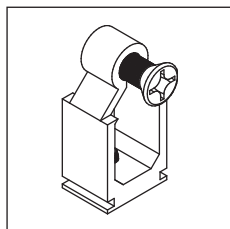
 Jogo topos inversor
poliamida em T AXI-04

30 92 01 13

 Jogo topos inversor
AXI-04

30 92 01 20

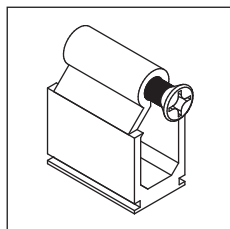
Jogo fecho C.E.


30 92 01 35

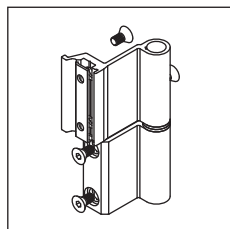
Esquadro alinhamento

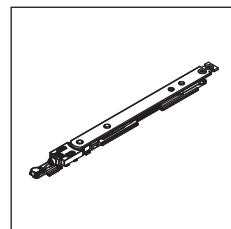

30 92 01 40

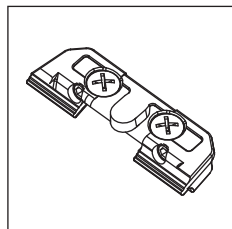
União topos janela

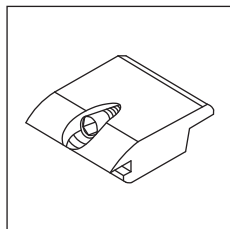

30 92 01 50

União topos porta

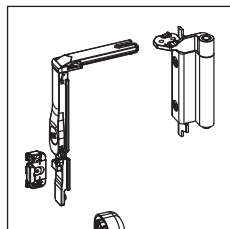

30 92 01 70/80

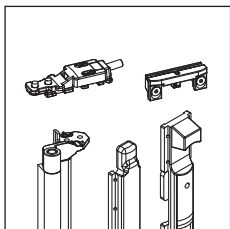
 Dobradiça 3 folhas
branco/preto

30 92 02 10/11/12

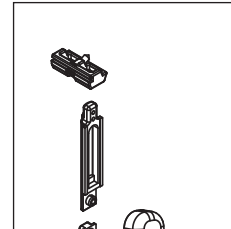
 Compasso oscilo
300/400/500

30 92 02 15

 Fecho para micro-
ventilação

30 92 02 60

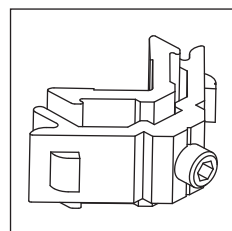
Apoio da folha


30 92 02 20/21

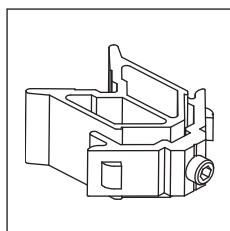
 Kit oscilobatente branco/
preto

30 92 02 24/25

 Kit 2ª folha oscilobatente
branco/preto

30 92 03 10/11

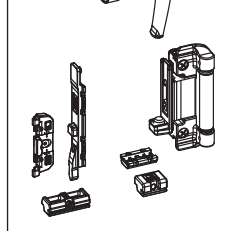
Kit cremone branco/preto


30 92 03 80

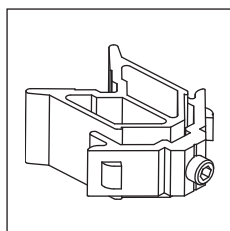
Esquadro janela

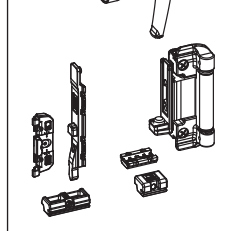

30 92 03 90

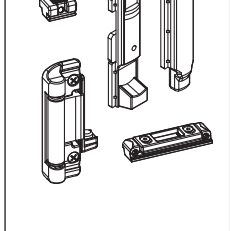
Esquadro porta

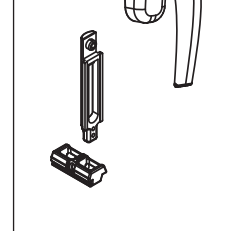

30 92 03 96

Canto vulcanizado

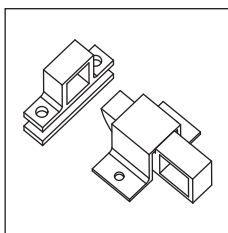

30 92 04 10

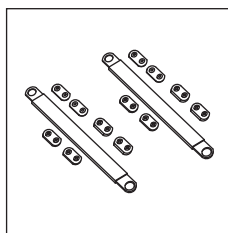
 Esquadro janela abertura
exterior

30 92 04 50

 Cremone abertura
exterior

30 92 04 60

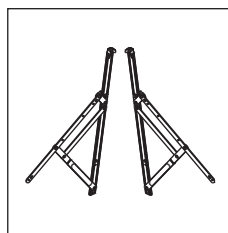
 Jogo de transmissão
abertura exterior

30 92 04 75

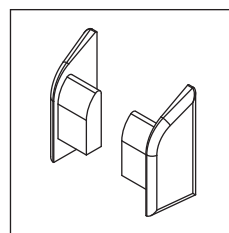
 Jogo compasso
basculante


30 92 04 76/77

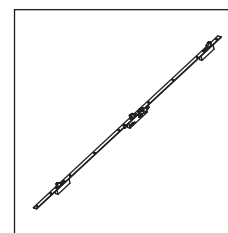
 Fecho clack (branco/
preto)

30 92 04 85

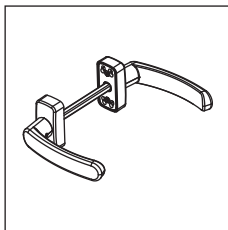
Jogo compasso

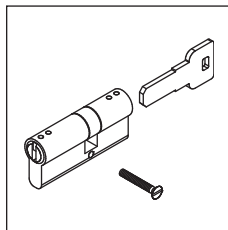

30 92 04 90

 Compasso SEN-550 (até
70kg /folha)

30 92 05 00

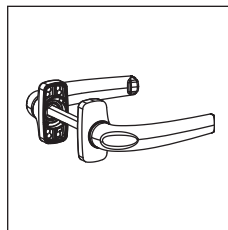
Jogo topos

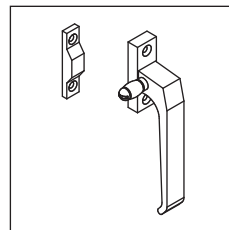

30 92 05 10

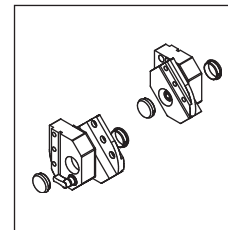
 Fechadura 3 pontos
35 mm

30 92 05 15

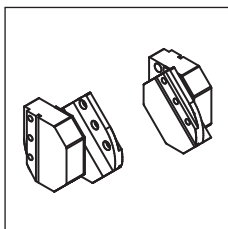
 Fecho de alavanca com
5 pontos de fecho

30 92 05 40

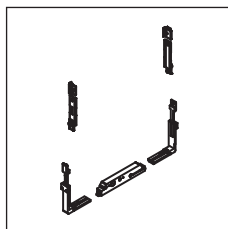
Canhão fechadura

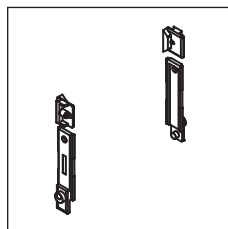

30 92 05 60/61

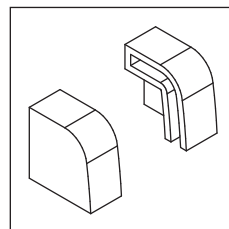
 Puxador duplo branco/
preto

30 92 06 10/11

 Cremone de lingueta
branco/preto

30 92 07 10/11

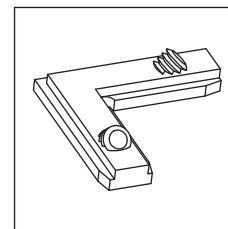
 Jogo pivotante 60kg
preto/branco

30 92 07 14/15

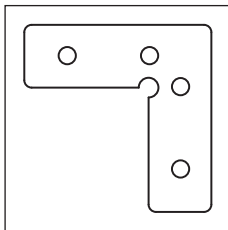
 Jogo pivotante vertical/
horizontal especial AXi (130 kg)

30 92 07 16

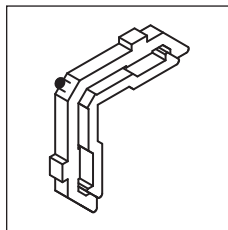
 Fecho perimetral
pivotante especial

30 92 07 17

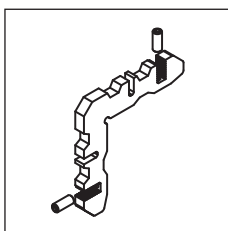
 Fecho suplementar
pivotante especial

30 96 00 12

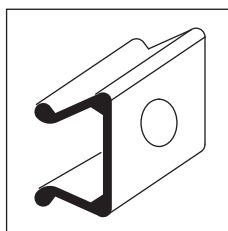
Jogo topos condensação


30 96 00 15

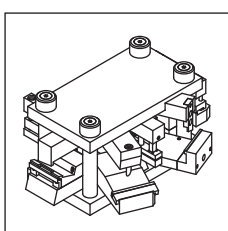
 Esquadro de
alinhamento

30 96 00 28

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

30 96 00 38

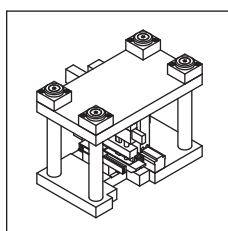
 Esquadro alinhamento
exterior

30 96 00 45

 Esquadro alinhamento
exterior com parafusos

31 03 40 00

Mola para AZ-60


33 96 79 99

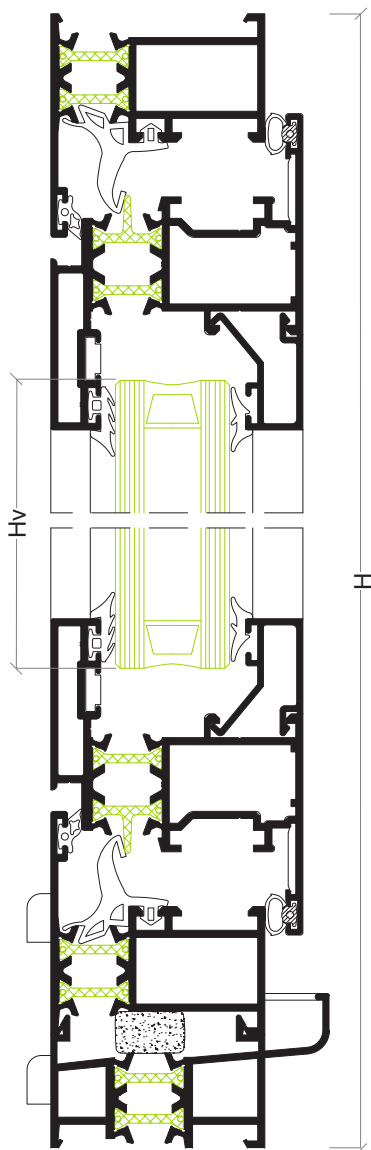
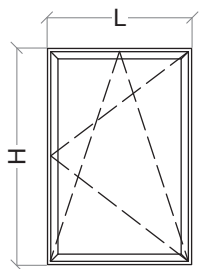
Cunho C.E.


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
	AXi-64	Aro móvel		2	H-24 mm
	AXi-57	Soleira condensação		2	L-42 mm
	AX-19	Vareta		2	H-66 mm
	---	Bite		1	L
				1+1	Apro. L+H
				2	L-135 mm
				2	H-199 mm

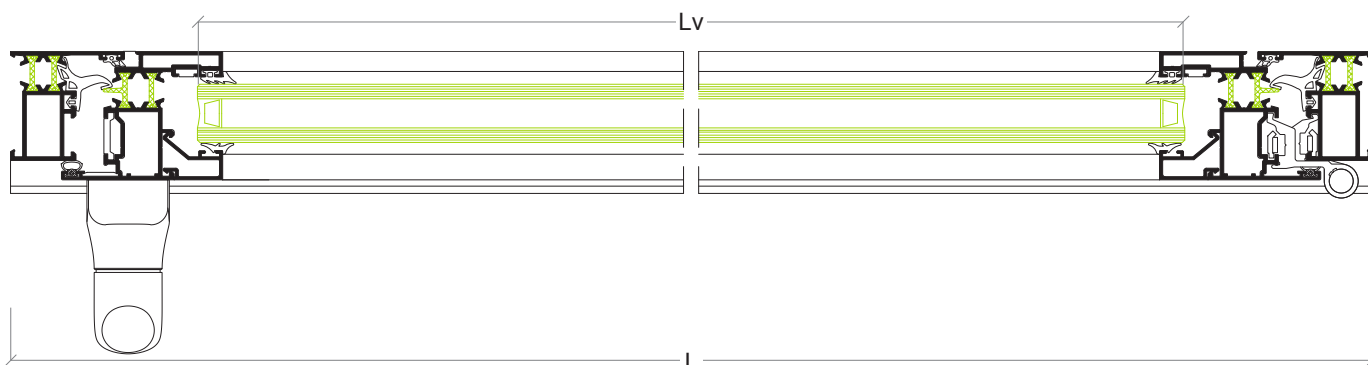
Acessórios e Juntas

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 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	

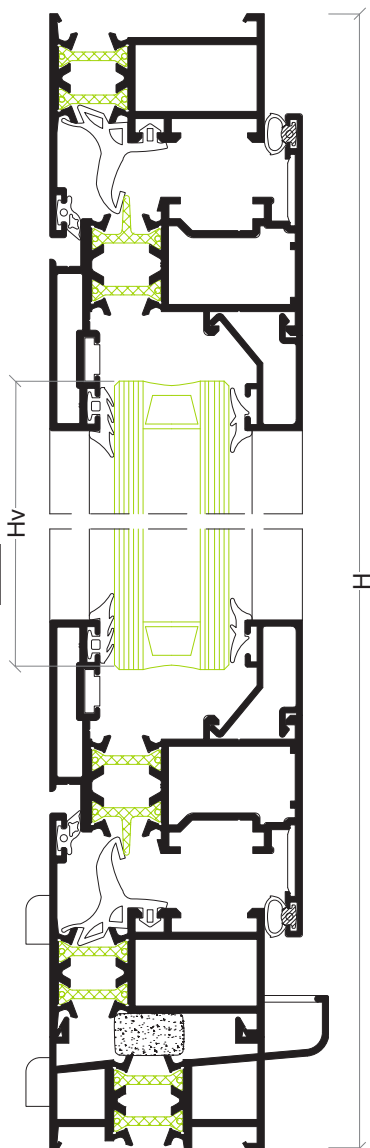
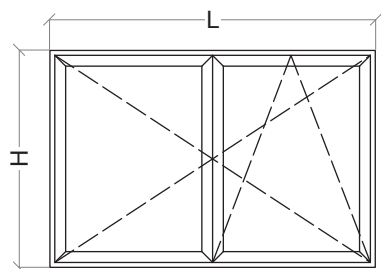
23

Vidro

Hv = H-174 mm	Lv = L-149 mm
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Janela 2 folhas abrir e oscilo-batente



Perfis

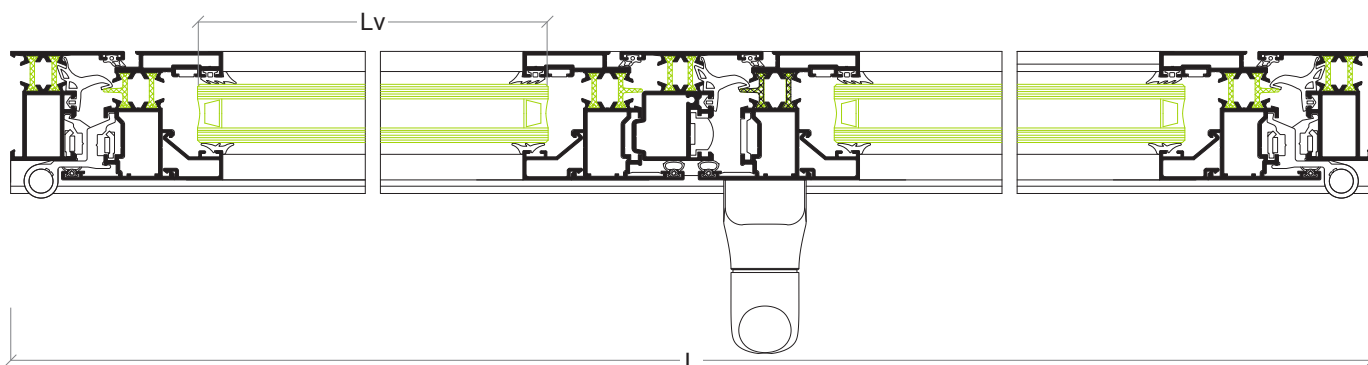
Desenho	Ref	Descrição	Corte	Quant	Medida
	AXi-03	Aro fixo		2	L
	AXi-64	Aro móvel		4	L/2-24 mm
	AXi-57	Soleira condensação		1	L
	AX-19	Vareta		1+1	Apro. L+H
	---	Bite		4	L/2-117 mm
	---	Bite		4	H-199 mm
	AXi-04	Inversor		1	H-134 mm

Acessórios e Juntas

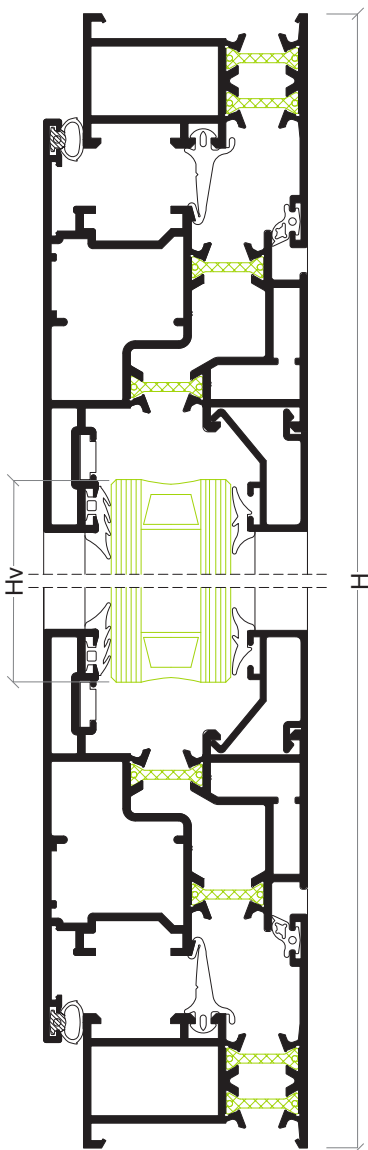
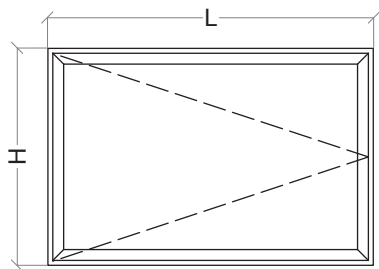
Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 92 00 20	Dobradiças C.E.	4	---
30 92 01 00	Goteiras	4	4
30 92 01 20	Jogo fecho C.E.	1	---
30 92 01 35	Esquadro alinhamento aro móvel	8	8
30 92 02 (xx)	Compasso O.B.	---	1
30 92 02 20	Kit oscilo-batente	---	1
30 92 02 24	Kit 2ª folha oscilo-batente	---	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

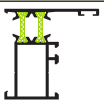
Hv = H-174 mm	Lv = L/2-131 mm
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Janela 1 folha abertura exterior



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

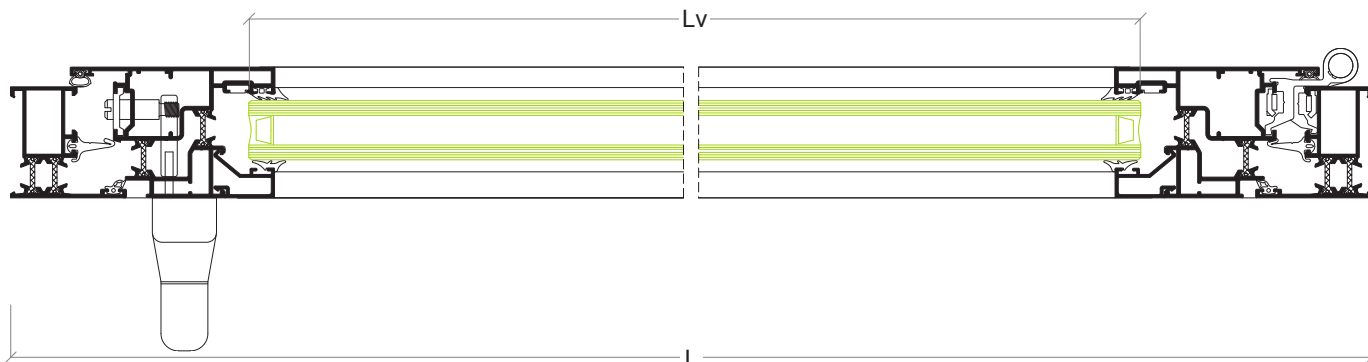
Acessórios e Juntas

Referência	Descrição	Quantidade
30 92 00 20	Dobradiças C.E.	2
30 92 02 60	Apoio da folha	1
30 92 04 50	Cremone 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

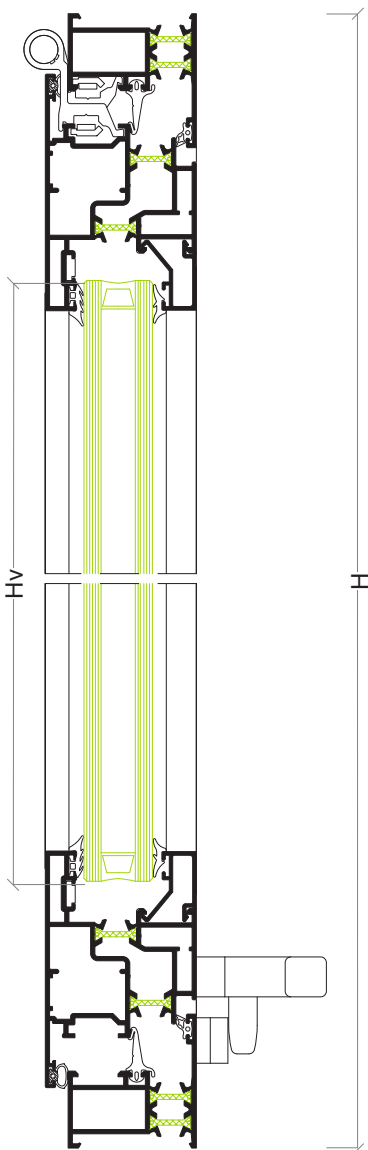
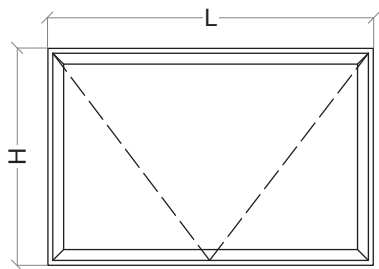
25

Vidro

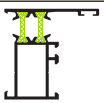
Hv = H-182 mm	Lv = L-182 mm
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Janela 1 folha projectante



Perfis

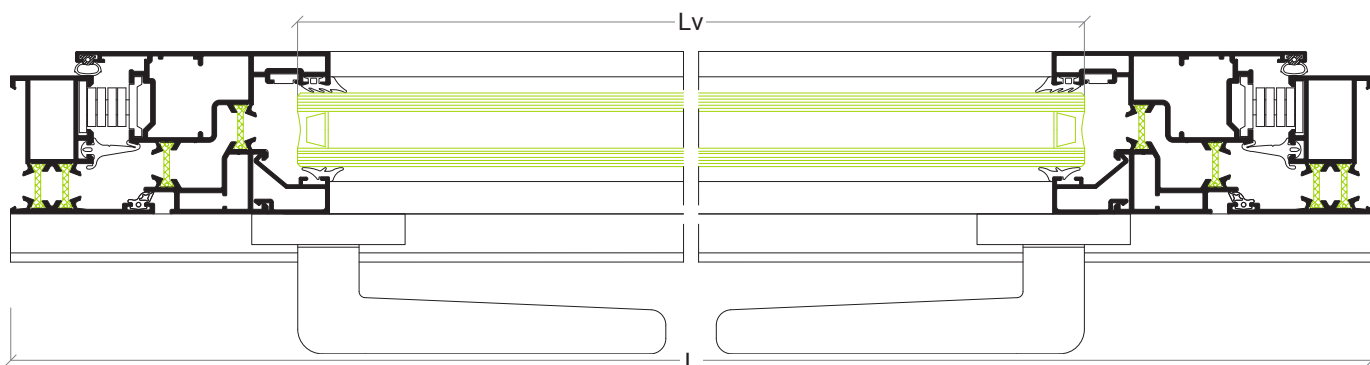
Desenho	Ref	Descrição	Corte	Quant	Medida
	AXi-03	Aro fixo		2	L
				2	H
	AXi-60	Aro móvel abertura exterior		2	L-42 mm
				2	H-42 mm
	---	Bite		2	L-168 mm
				2	H-208 mm

Acessórios e Juntas

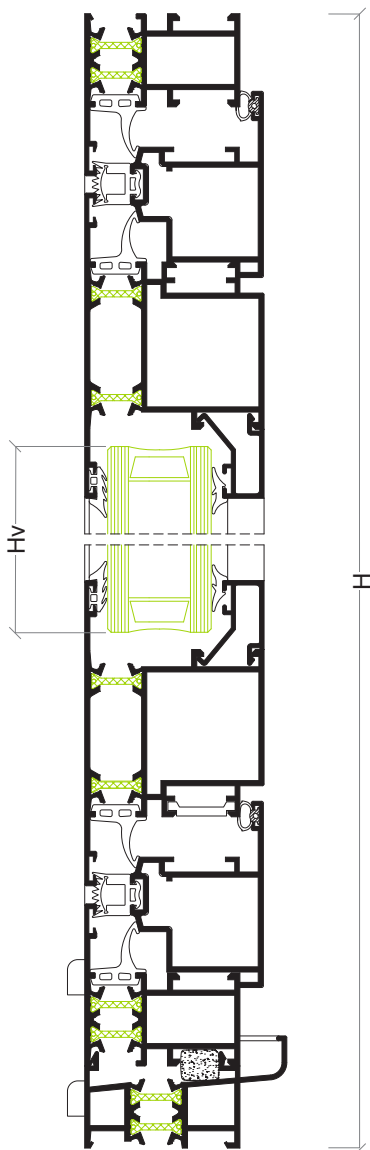
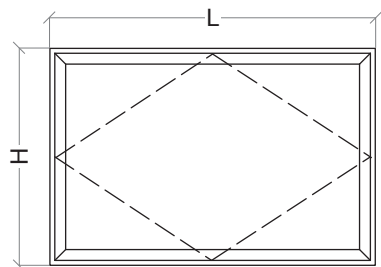
Referência	Descrição	Quantidade
30 92 03 80	Esquadro janela	8
30 92 04 85	Jogo compasso	1
30 92 06 10	Cremone de lingueta	2
30 96 00 15	Esquadro alinhamento móvel	4
30 92 01 35	Esquadro alinhamento	4
30 96 00 38	Esquadro interno móvel	4
30 93 00 50	Junta central (opcional)	2L+2H
30 93 00 90	Junta exterior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

Vidro

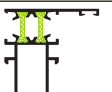
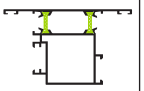
Hv = H-182 mm	Lv = L-182 mm
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Janela pivotante horizontal



Perfis

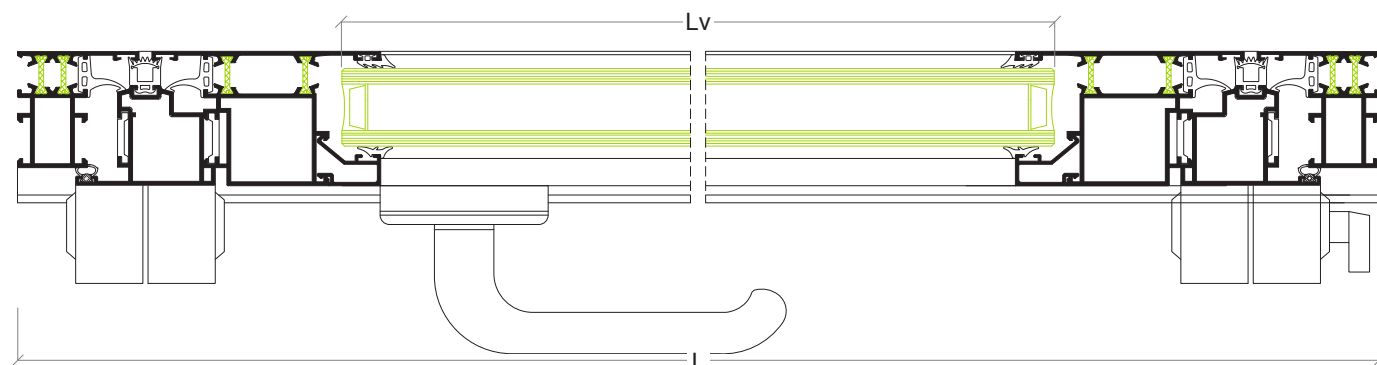
Desenho	Ref	Descrição	Corte	Quant	Medida
	AXi-38	Aro fixo		2	L
				2	H-24 mm
	AXi-40	Aro móvel		2	L-104 mm
				2	H-128 mm
	AXi-41	Inversor		2	L-45 mm
				2	H/2-12 mm
	AXi-57	Soleira condensação		1	L
	---	Bite		2	L-241 mm
				2	H-305 mm

Acessórios e Juntas

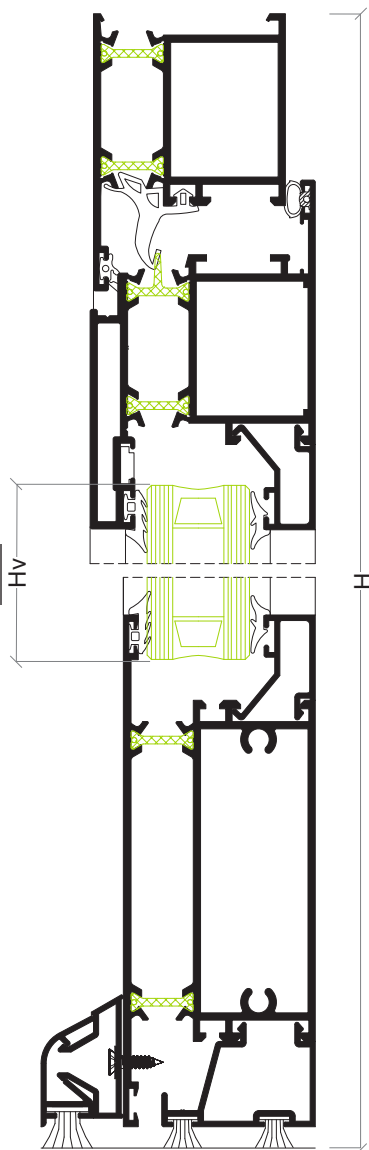
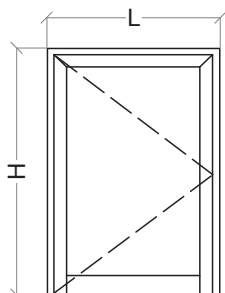
Referência	Descrição	Quantidade
30 20 30 09	Esquadro móvel	4
30 92 01 00	Goteiras	4
30 92 03 80	Esquadro janela	4
30 92 04 10	Esquadro inversor pivotante	4
30 92 07 10	Jogo pivotante	1
30 92 06 11	Cremone de lingueta	2
30 96 00 12	Jogo topos condensação	1
30 92 04 70	Espuma isolante	L
30 00 95 01	Junta 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

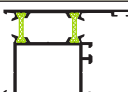
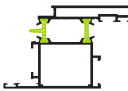
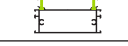
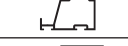
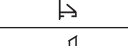
Hv = H-279 mm	Lv = L-255 mm
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Porta 1 folha



Perfis

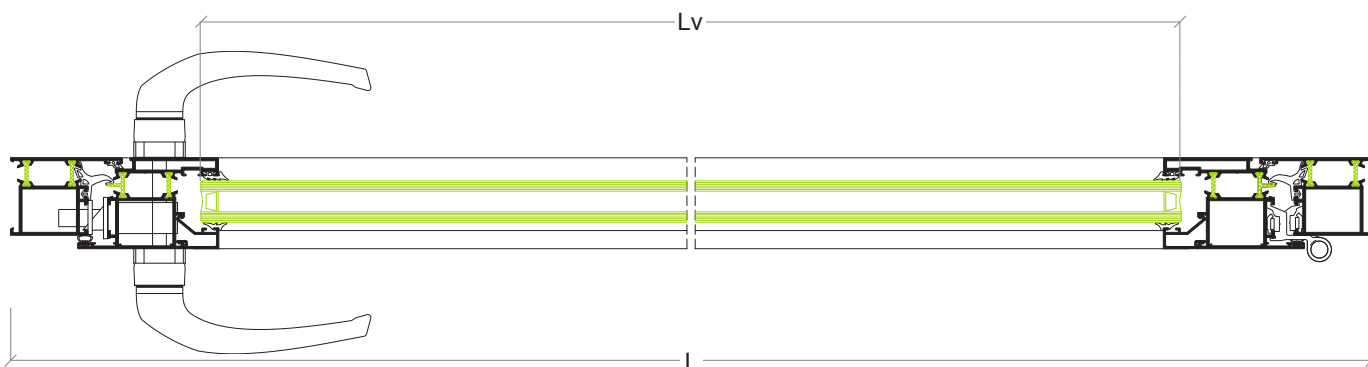
Desenho	Ref	Descrição	Corte	Quant	Medida
	AXi-08	Aro fixo		1	L
				2	H
	AXi-65	Aro móvel		1	L-78 mm
				2	H-44 mm
	AXi-12	Travessa		1	L-193 mm
	AX-15	Bite remate		1	L-202 mm
	---	Bite		2	L-202 mm
				2	H-246 mm
	AZ-60	Pingadeira		1	L-145 mm
	AZ-61	Clip pingadeira		1	L-242 mm

Acessórios e Juntas

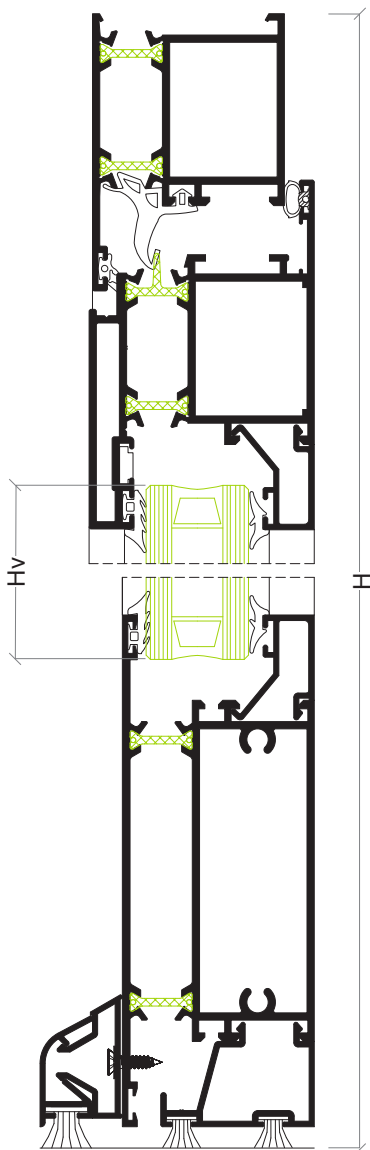
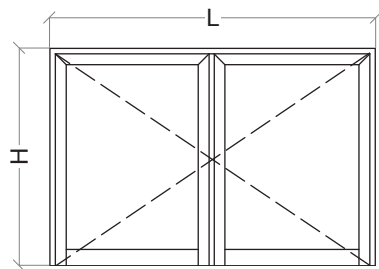
Referência	Descrição	Quantidade
30 92 00 20	Dobradiças C.E.	3
30 92 03 90	Esquadro porta	4
30 92 05 10	Fechadura 3 pontos	1
30 92 05 40	Canhão fechadura	1
30 92 05 60	Puxador duplo	1
30 96 00 15	Esquadro alinhamento móvel	2
30 92 05 00	Jogo topos	1
30 92 03 96	Canto vulcanizado	2
30 96 00 28	Esquadro 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

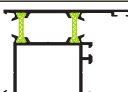
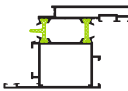
Hv = H-220 mm	Lv = L-216 mm
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Porta 2 folhas



Perfis

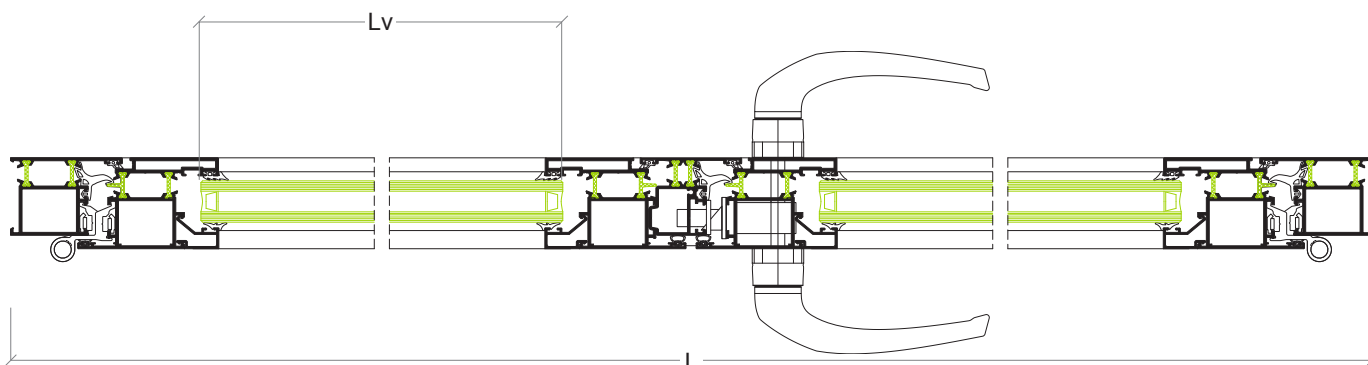
Desenho	Ref	Descrição	Corte	Quant	Medida
	AXi-08	Aro fixo		1	L
				4	H
	AXi-65	Aro móvel		2	L/2-42 mm
				4	H-44 mm
	AXi-04	Inversor		1	H-78 mm
	AXi-12	Travessa		2	L/2-157 mm
	AX-15	Bite remate		2	L/2-166 mm
	---	Bite		4	L/2-166 mm
				4	H-246 mm
	AZ-60	Pingadeira		1	Aprox. L/2
				1	Aprox. L/2
	AZ-61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

Acessórios e Juntas

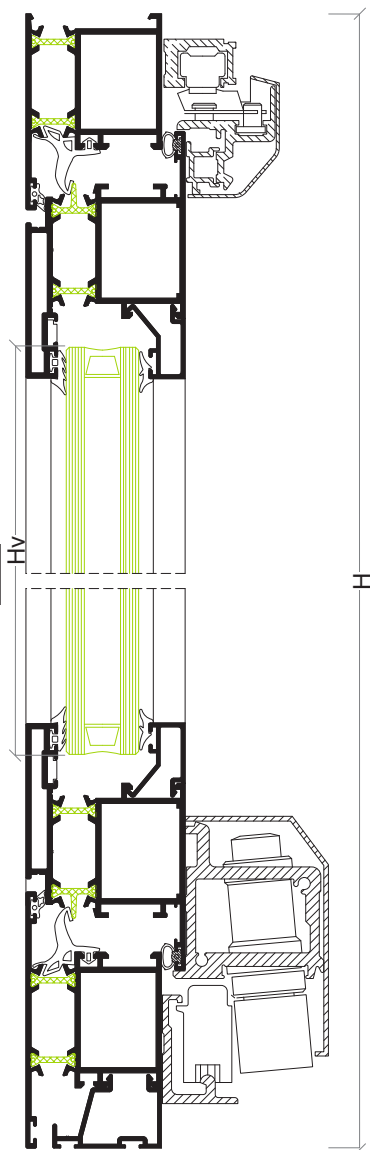
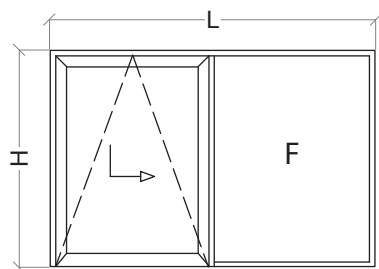
Referência	Descrição	Quantidade
30 92 00 20	Dobradiças C.E.	6
30 92 01 12	Jogo topos inversor	1
30 92 01 20	Jogo fecho C.E.	1
30 92 03 90	Esquadro porta	6
30 92 05 10	Fechadura 3 pontos	1
30 92 05 40	Canhão fechadura	1
30 92 05 60	Puxador duplo	1
30 96 00 15	Esquadro alinhamento móvel	4
30 92 05 00	Jogo 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

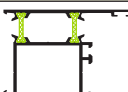
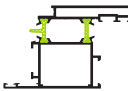
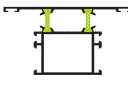
Hv = H-220 mm	Lv = L-180 mm
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Porta oscilo-paralela com fixo lateral



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

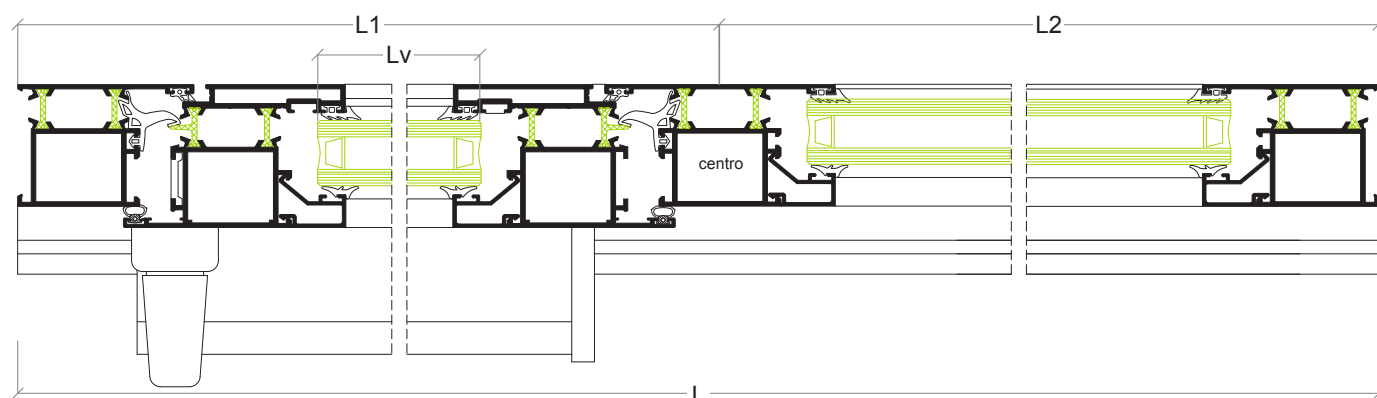
Acessórios e Juntas

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

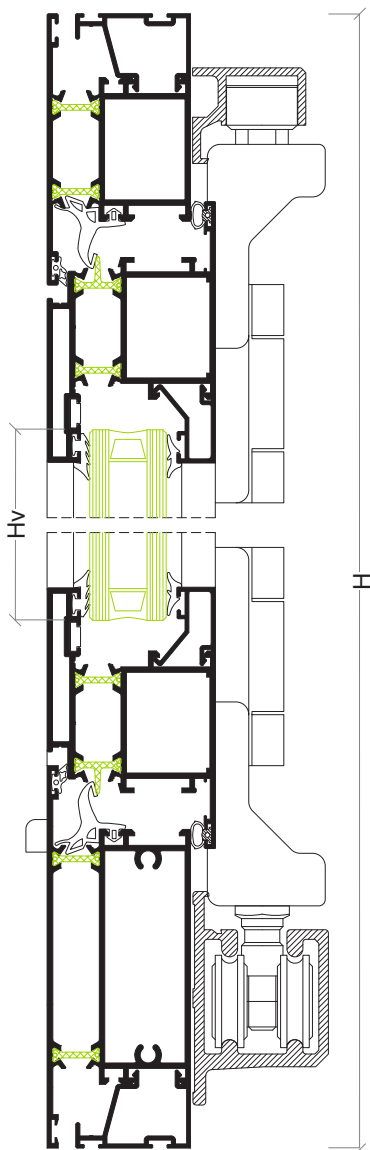
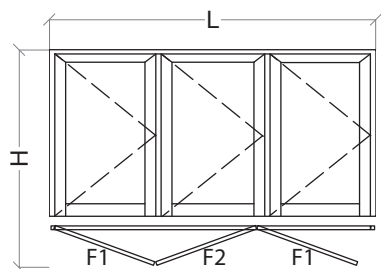
	Mínimo	Máximo
Largura da folha	700 mm	1650 mm
Altura da folha	850 mm	2400 mm
Peso máximo por folha 150 kg		

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)

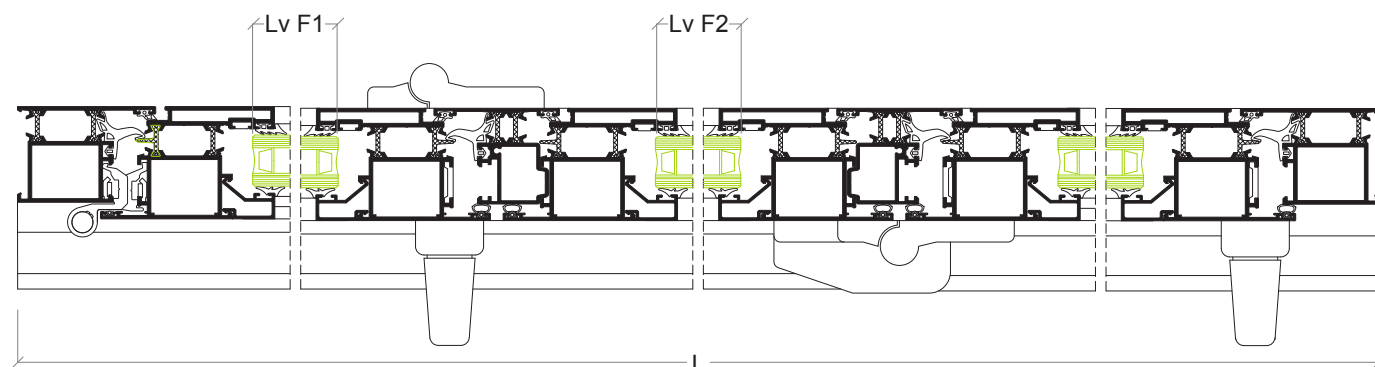
Acessórios e Juntas

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

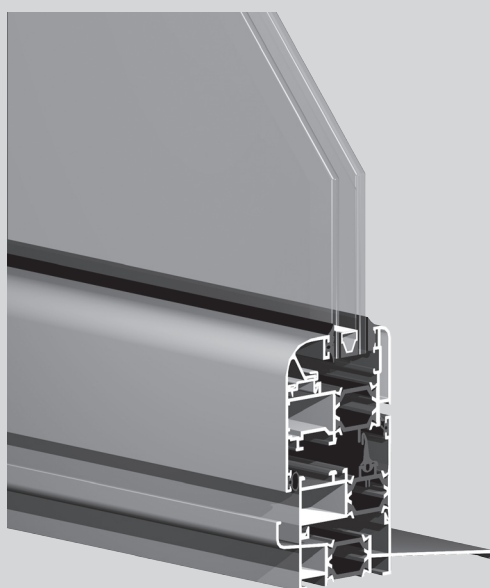
	Mínimo	Máximo
Largura da folha	600 mm	900 mm
Altura da folha	850 mm	2400 mm
Peso máximo por folha 80 kg		

Vidro

Hv = consultar	Lv F1 = consultar
	Lv F2 = consultar







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)

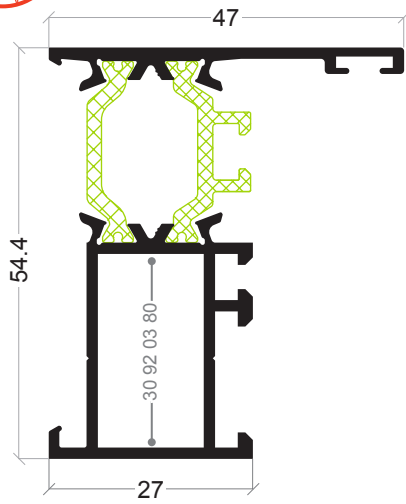
Coefficiente de transmissão térmica de vão de 2 folhas com 1.20 m x 1.50 m com vidro $U_g = 0.7 \text{ W/m}^2\text{K}$, com intercalar efeito "Warm Edge":

• $U_w = 1.57 \text{ W/m}^2\text{K}$

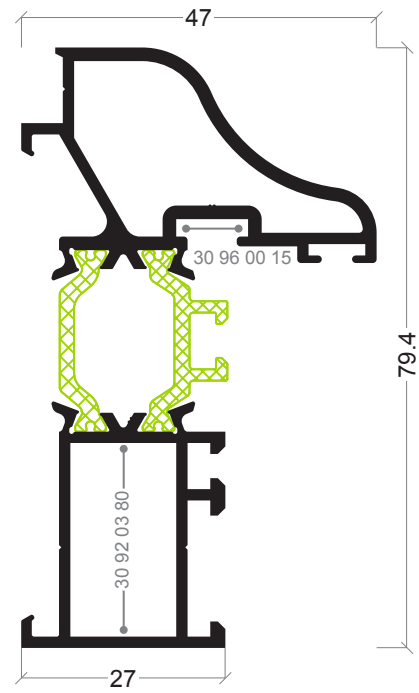
Coefficiente de atenuação acústica de vão de 2 folhas com vidro 4/14 (gás argon)/6:

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

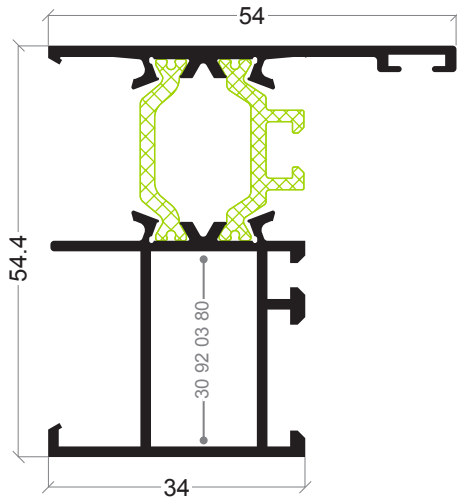
Zonas de aplicação segundo RCCTE (em função do valor U_g): I1, I2, I3, V1, V2, V3.



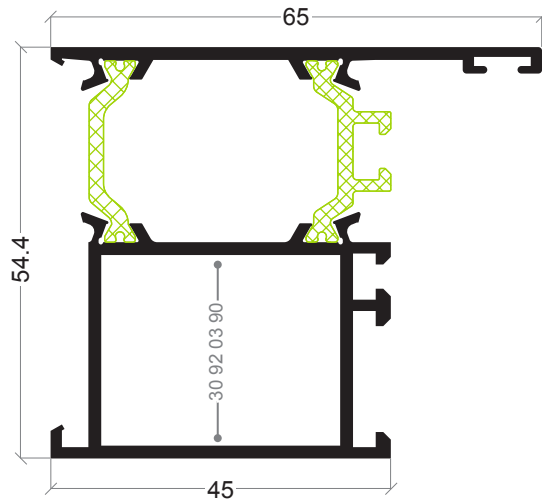
ATi-03
Aro fixo



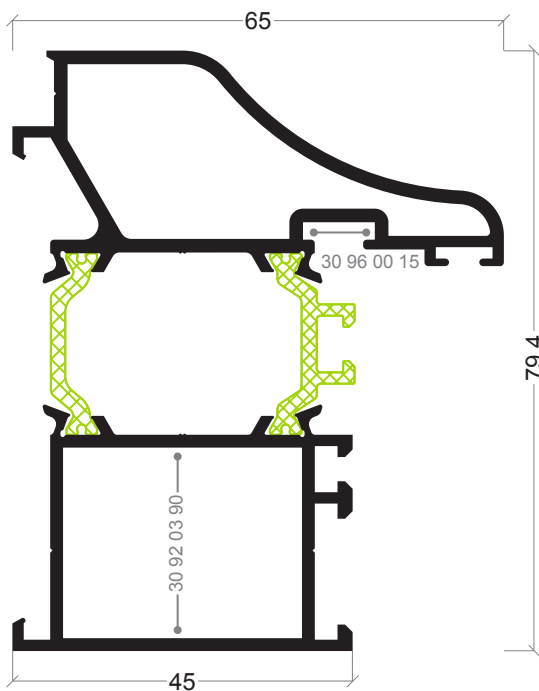
ATi-49
Aro fixo



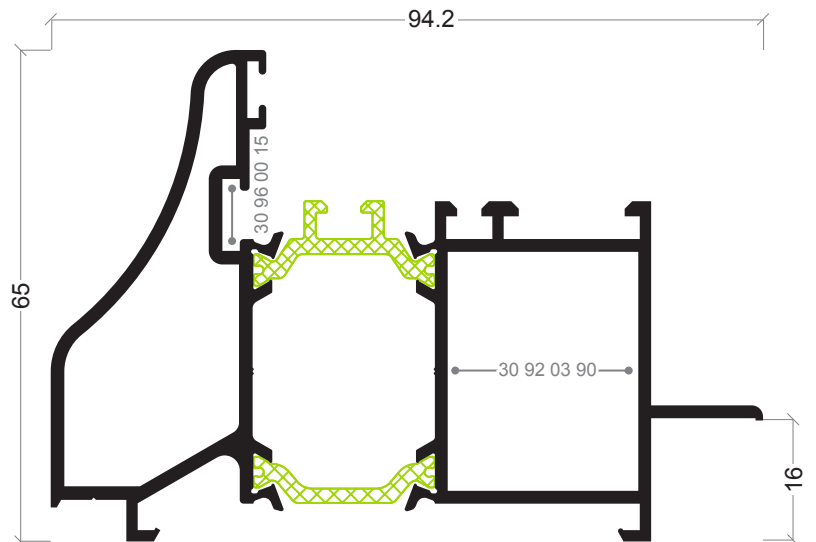
ATi-81
Aro fixo



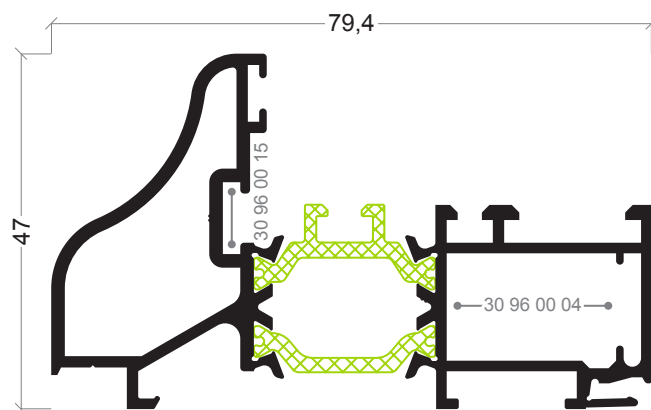
ATi-08
Aro fixo



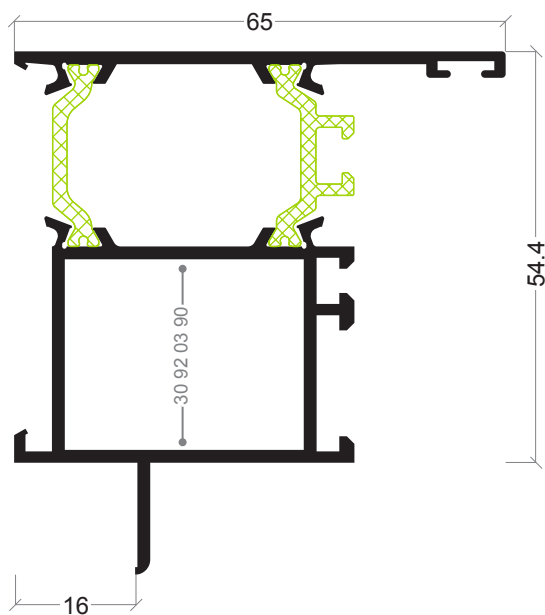
ATi-50
Aro fixo



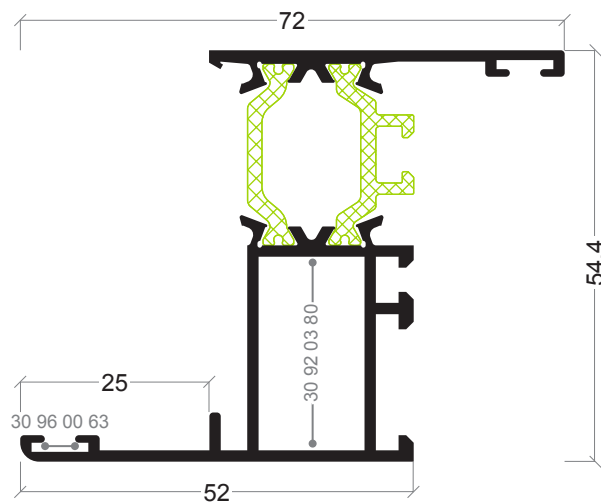
ATi-51
Aro fixo para apainelado



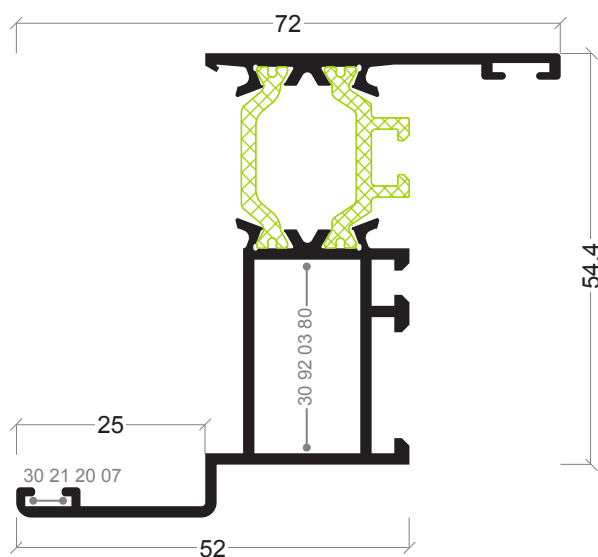
ATi-92
Aro fixo



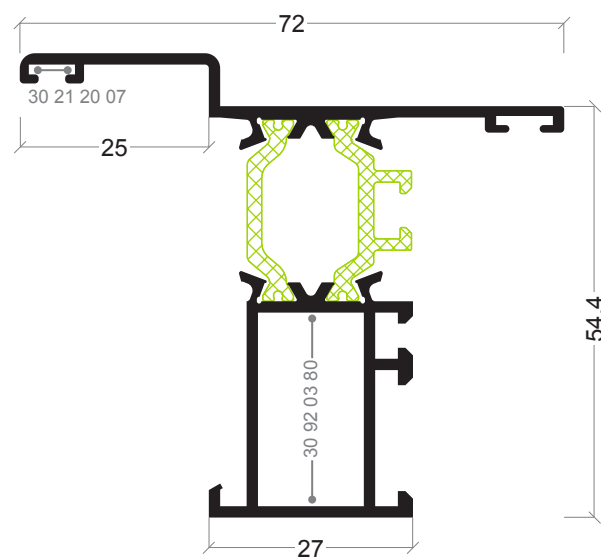
ATi-48
Aro fixo para apainelado



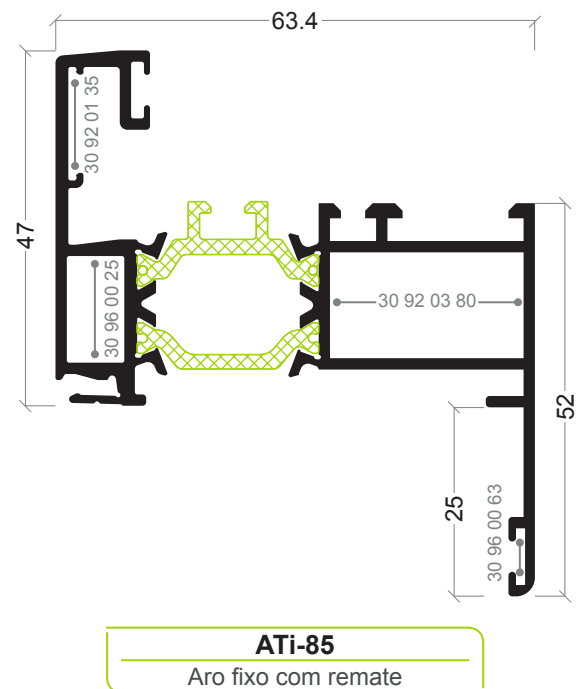
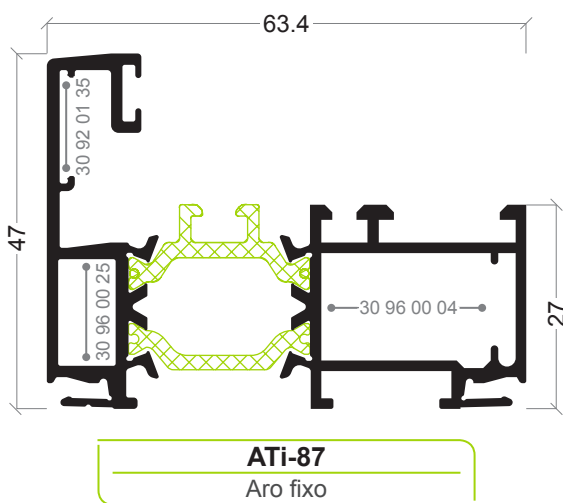
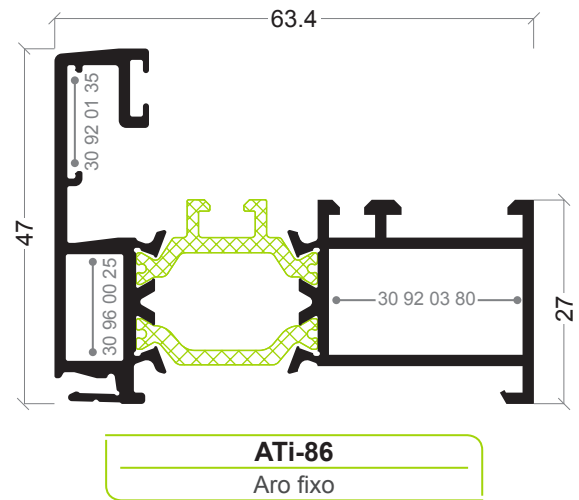
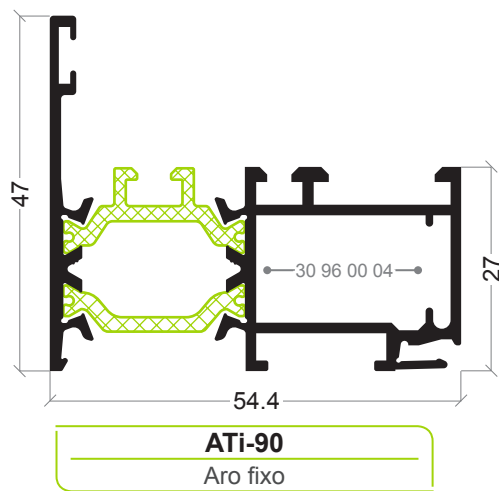
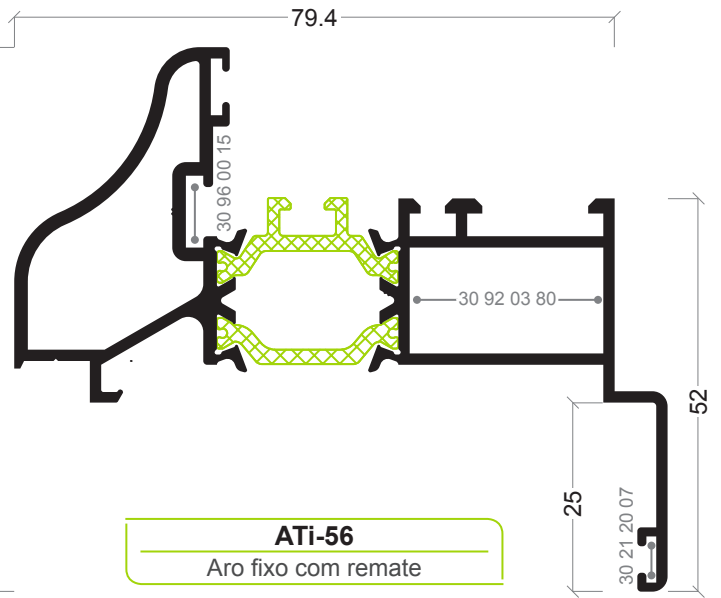
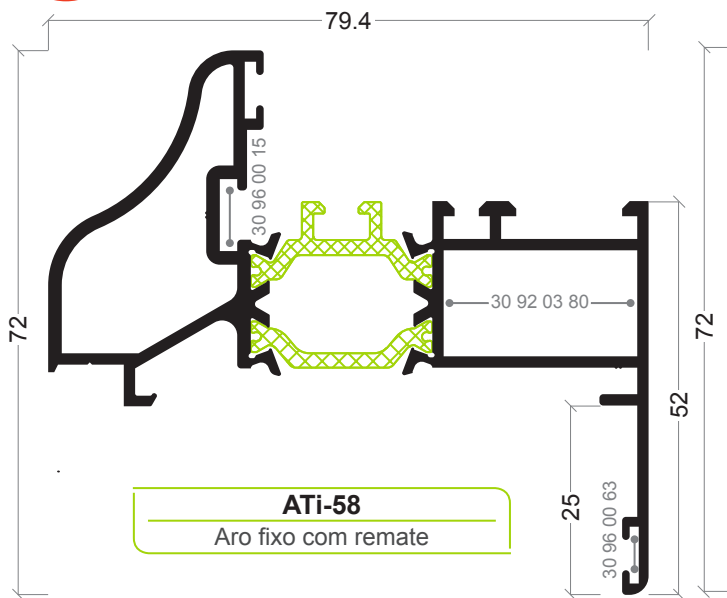
ATi-25
Aro fixo com remate

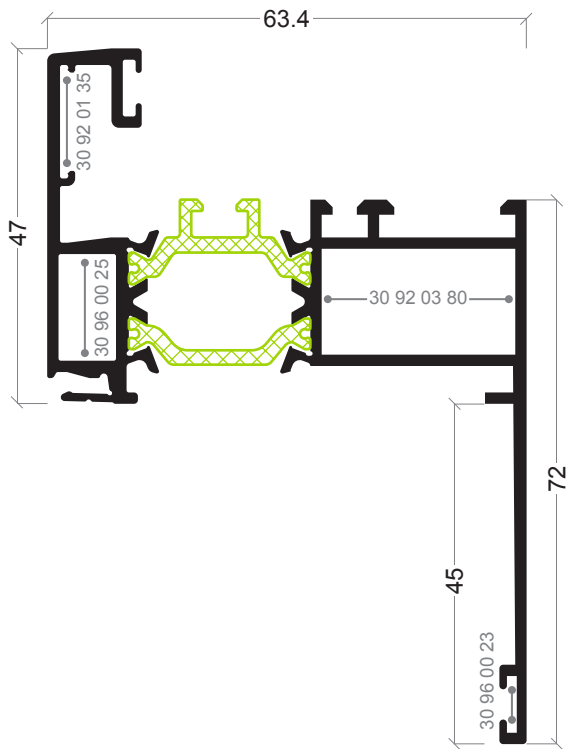


ATi-19
Aro fixo com remate

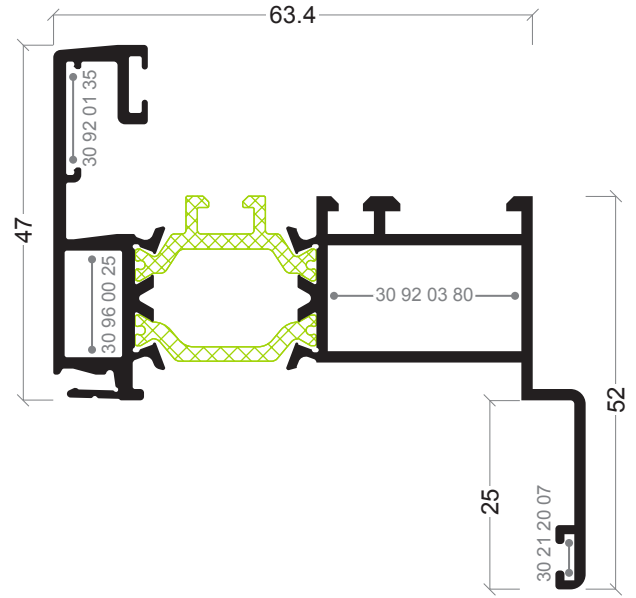


ATi-23
Aro fixo com remate

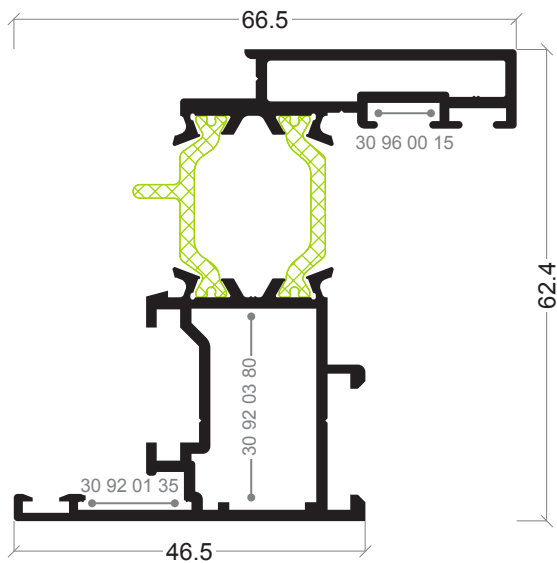




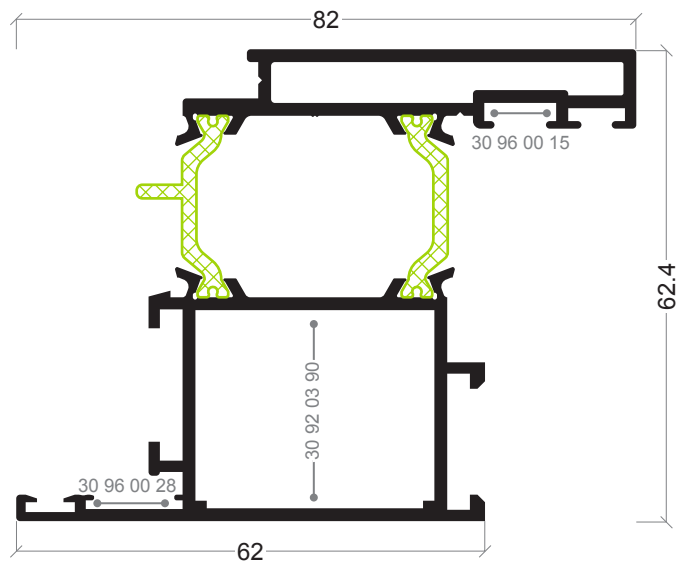
ATi-82
Aro fixo com remate



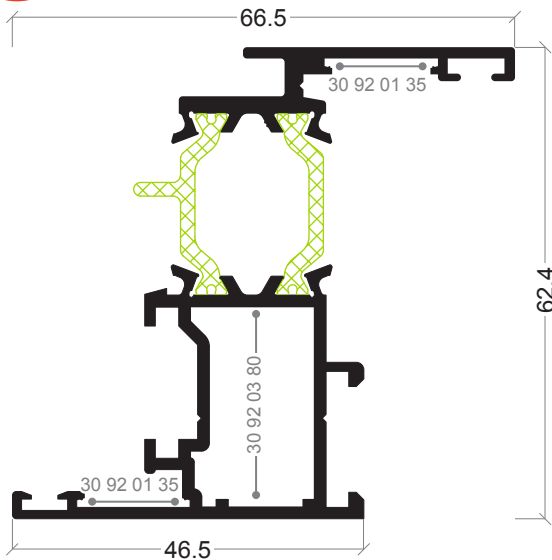
ATi-84
Aro fixo com remate



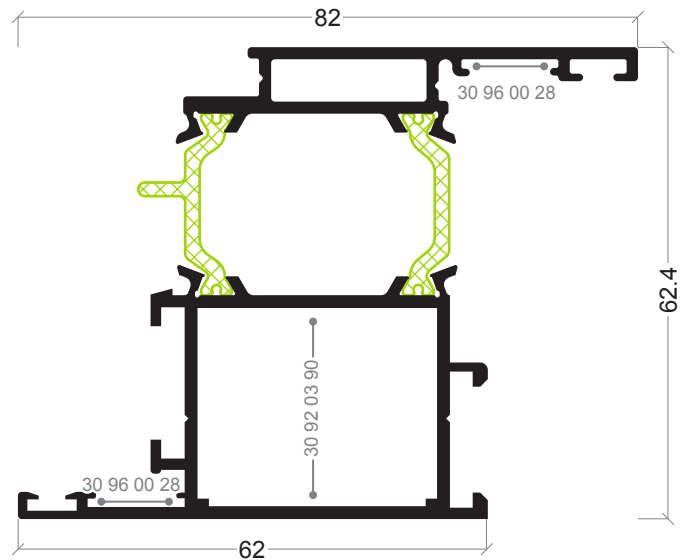
ATi-64
Aro móvel



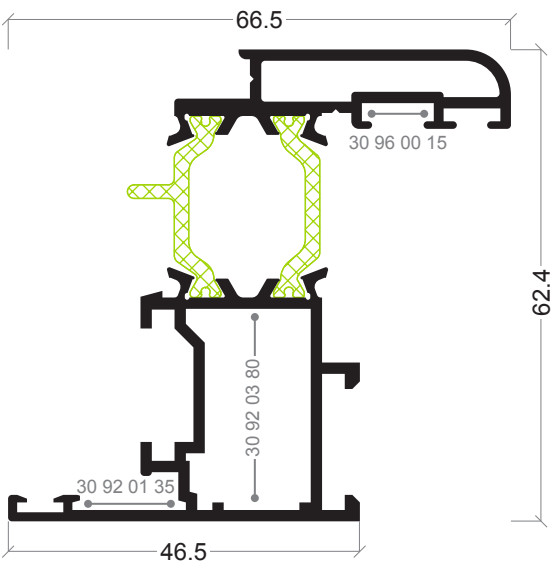
ATi-65
Aro móvel


ATi-02

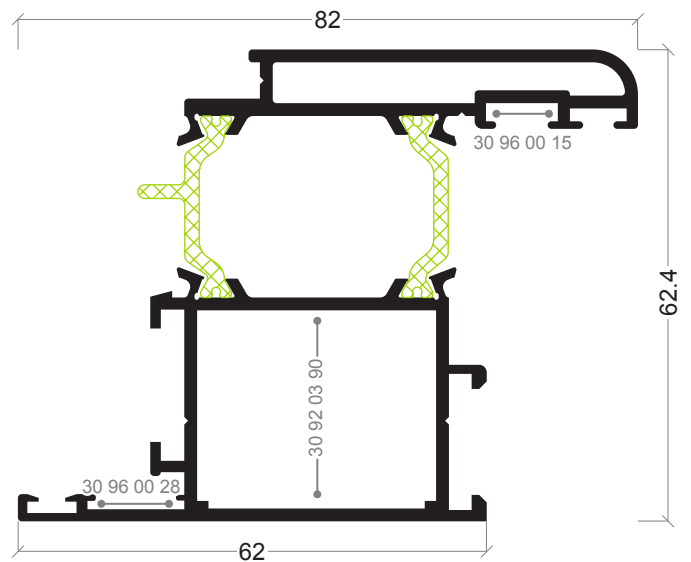
Aro móvil


ATi-07

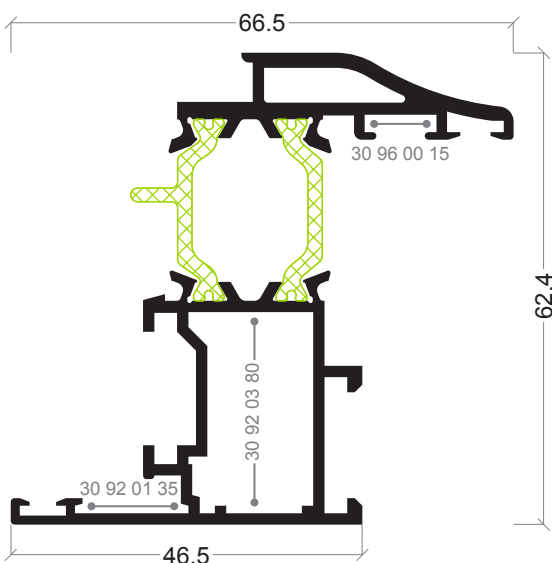
Aro móvil


ATi-05

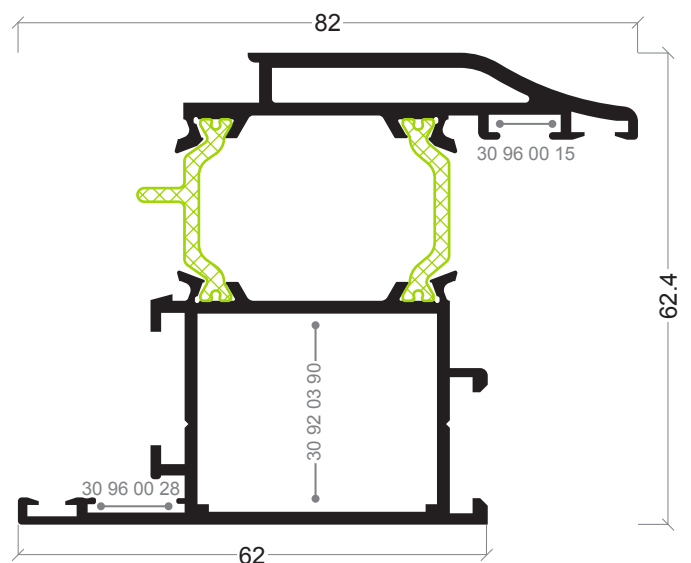
Aro móvil


ATi-10

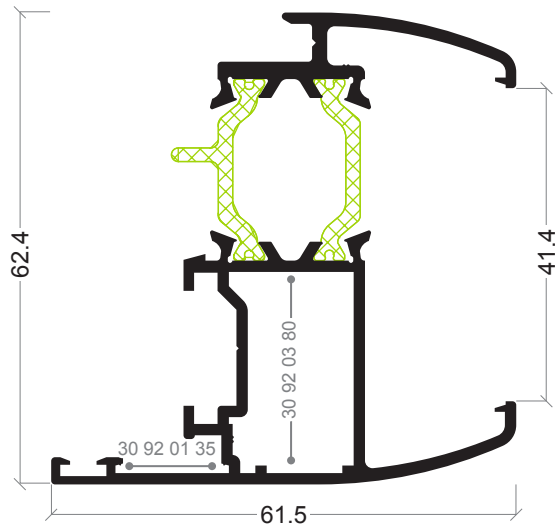
Aro móvil


ATi-52

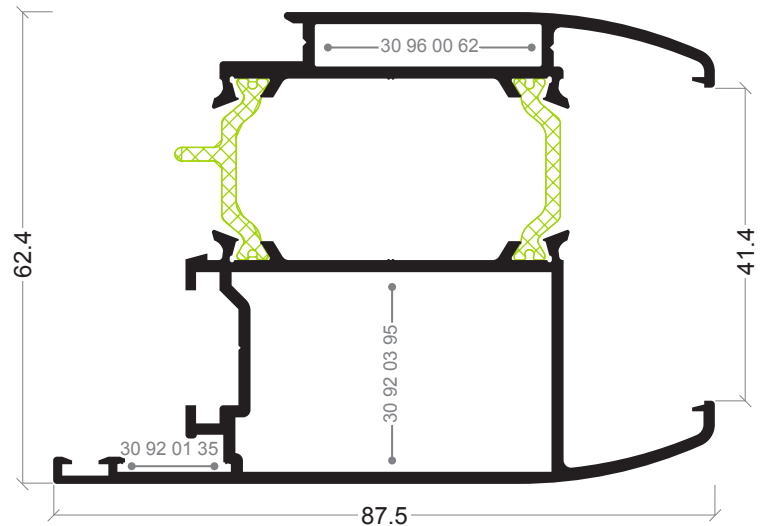
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ATi-53

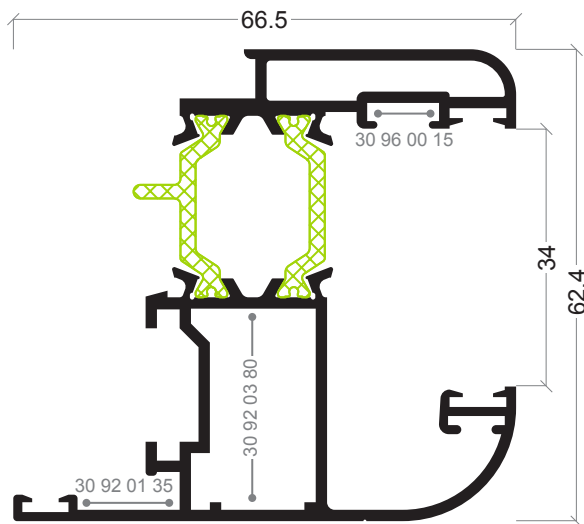
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ATi-76

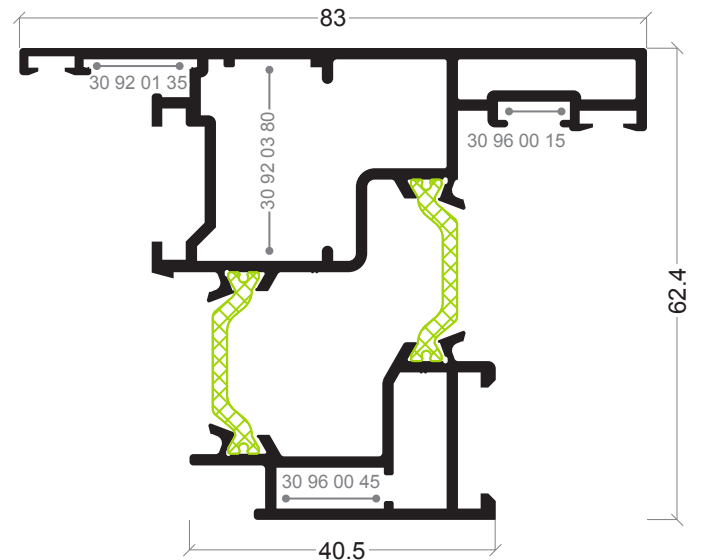
Aro móvel


ATi-77

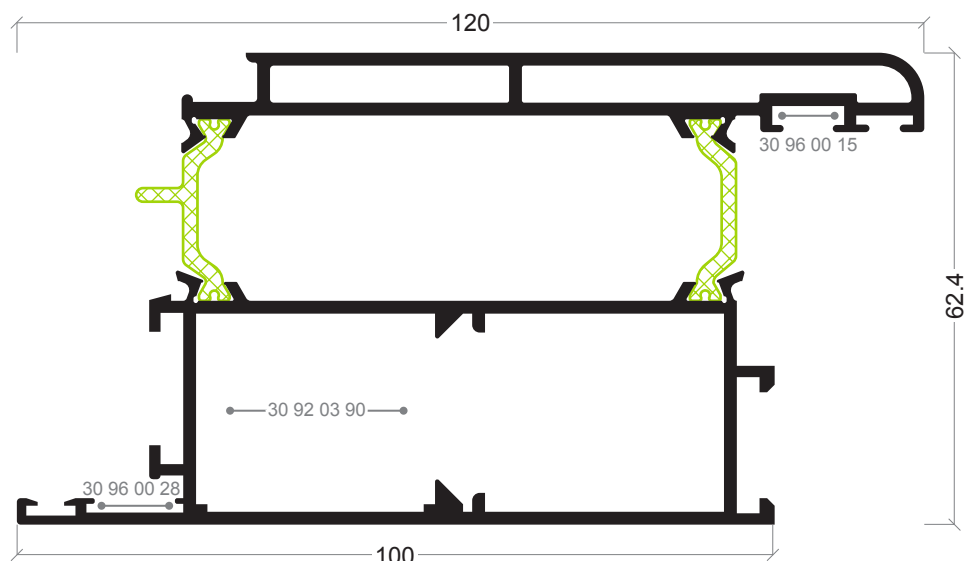
Aro móvel


ATi-44

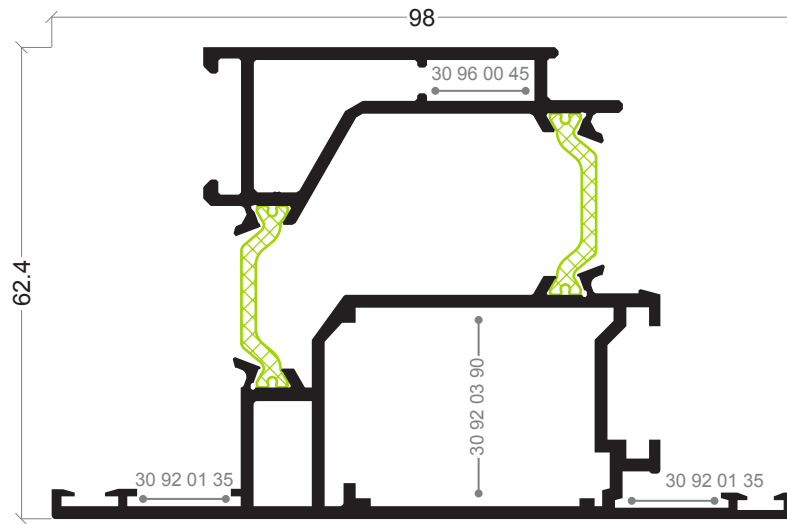
Aro móvel


ATi-60

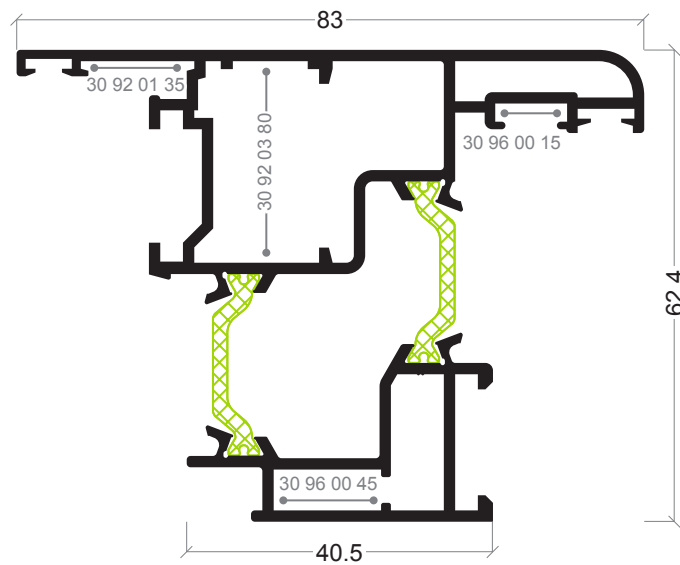
Aro móvel abertura exterior


ATi-66

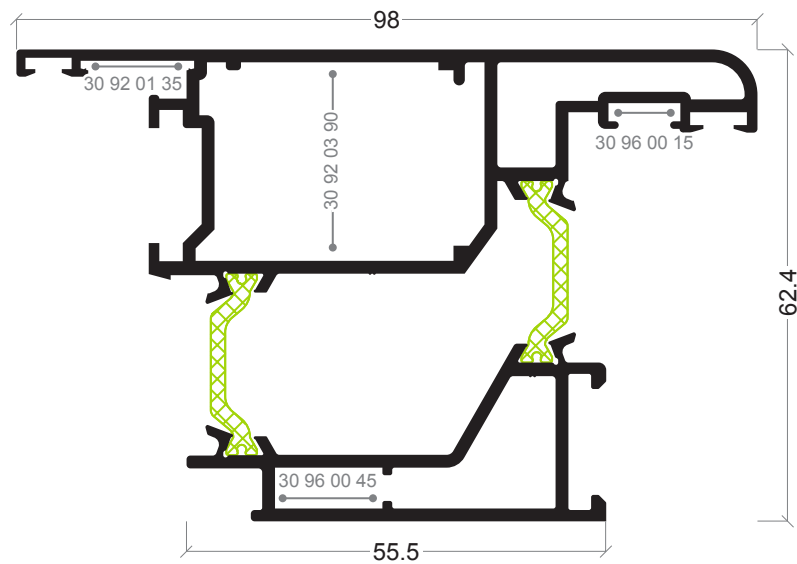
Aro móvel


ATi-71

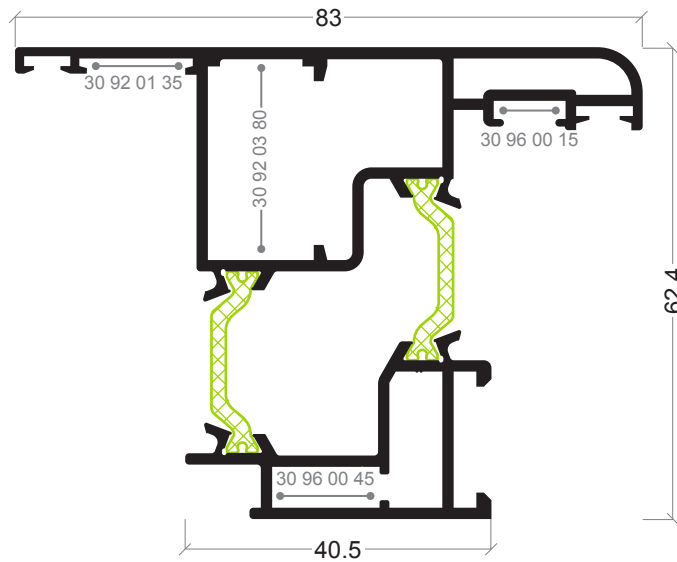
Aro móvel abertura exterior


ATi-59

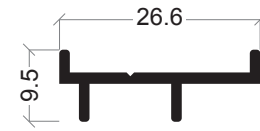
Aro móvel abertura exterior


ATi-62

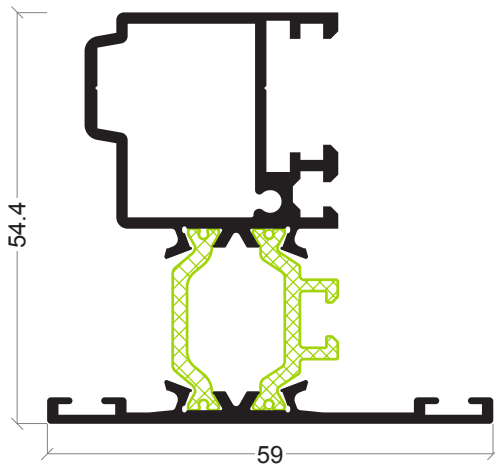
Aro móvel abertura exterior



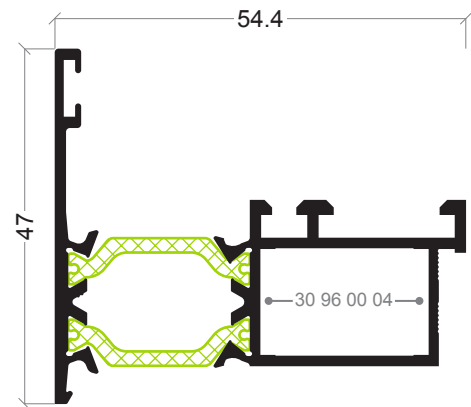
ATi-63
Aro móvel projectante



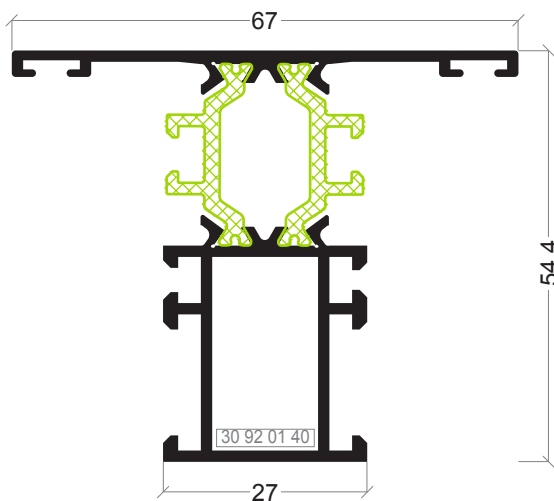
AXi-32
Complemento abertura projectante



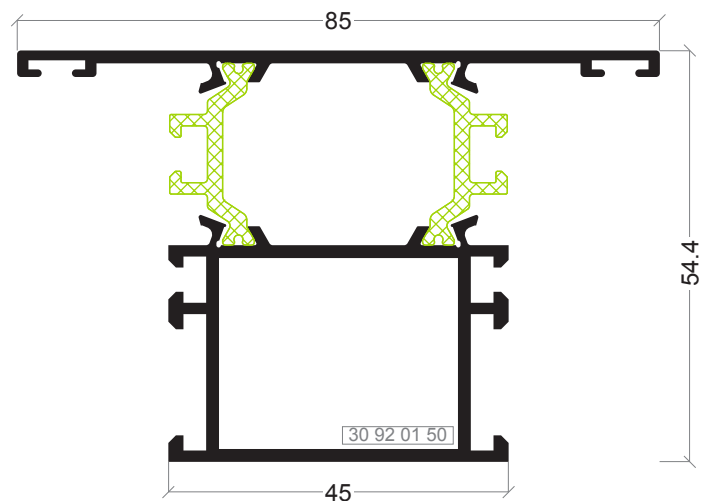
ATi-04
Inversor



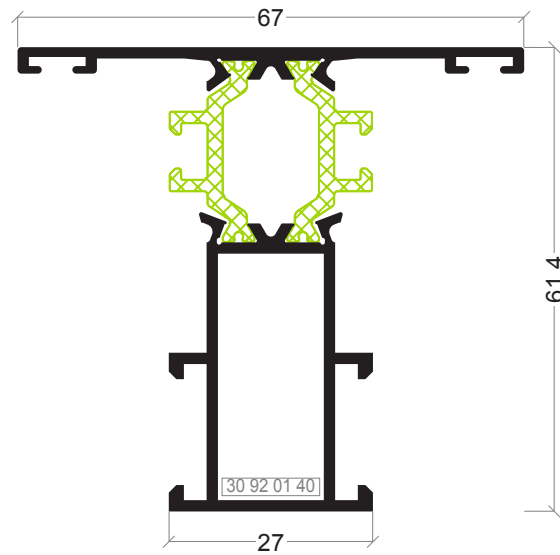
ATi-75
Inversor abertura exterior



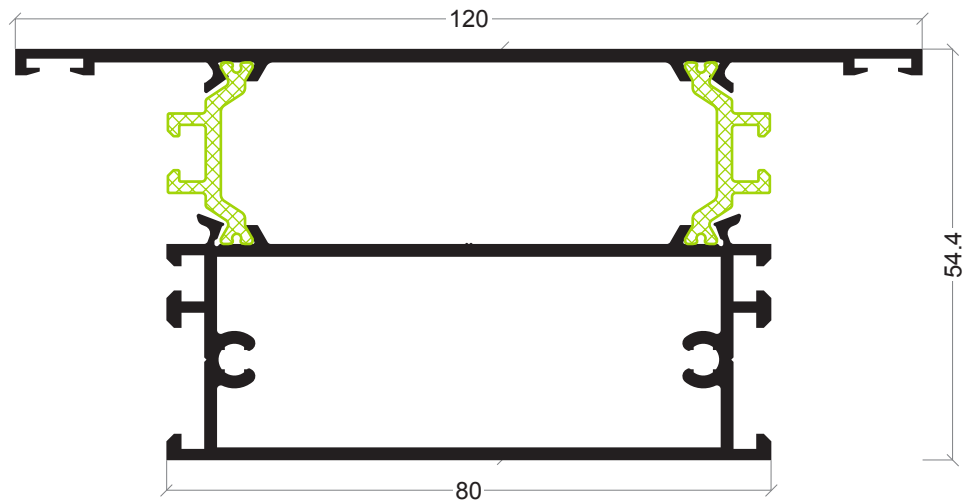
ATi-01
Travessa



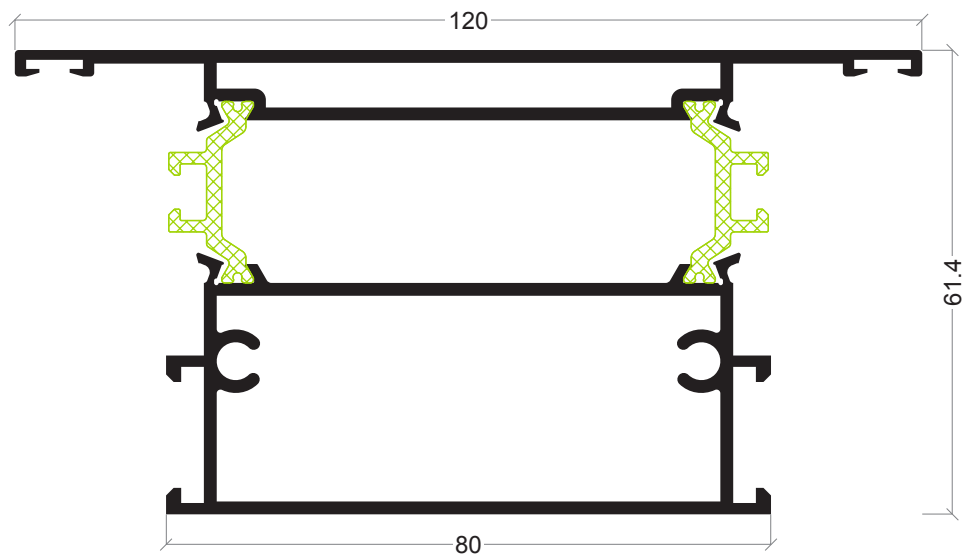
ATi-06
Travessa



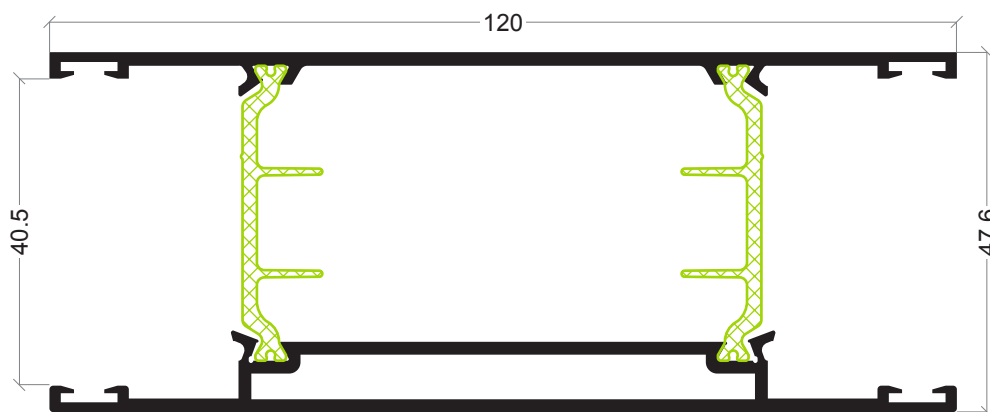
ATi-09
Travessa



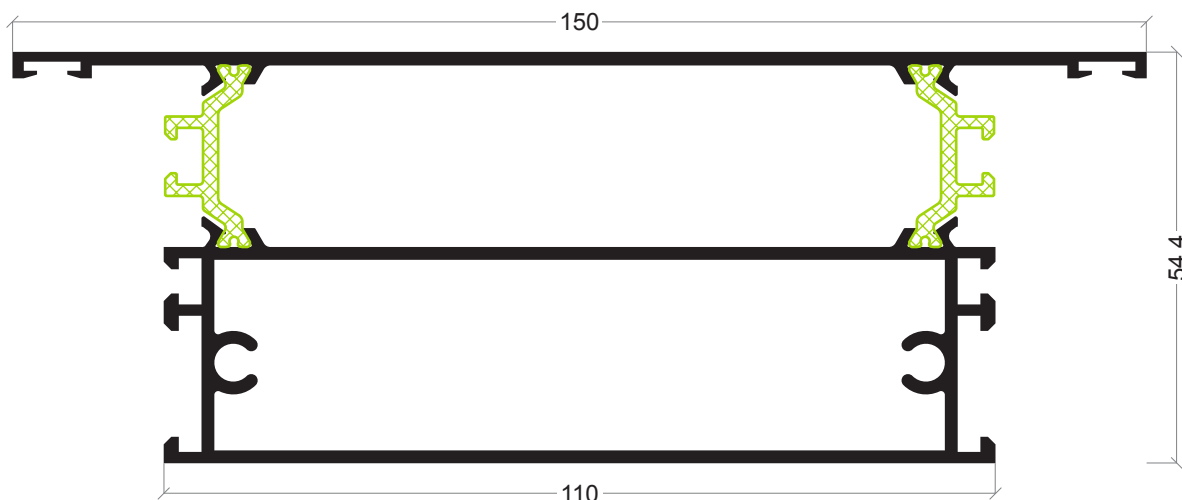
ATi-12
Travessa



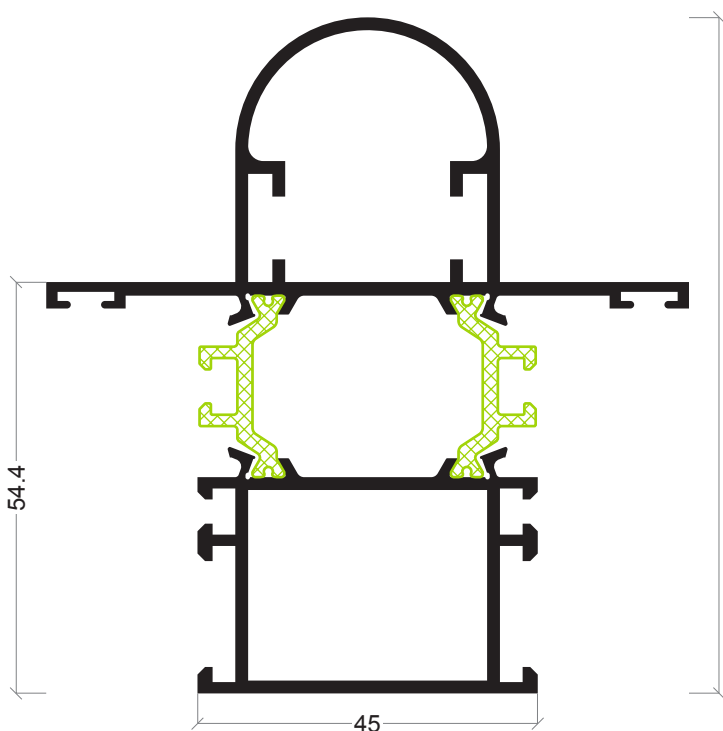
ATi-14
Travessa



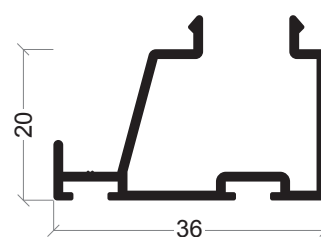
ATi-79
Travessa para ATi-77



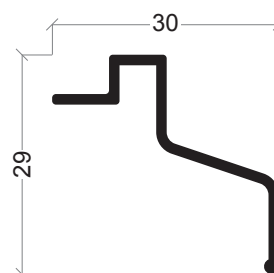
ATi-13
Travessa



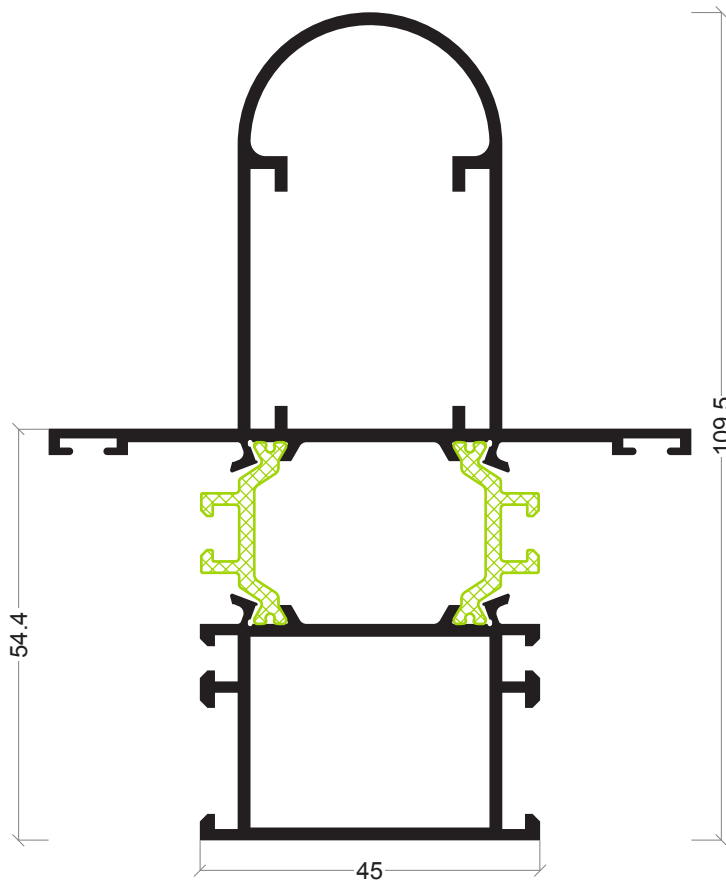
ATi-17
Montante curvo



AX-15
Bite remate



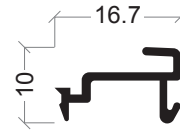
AXi-45
Pingadeira



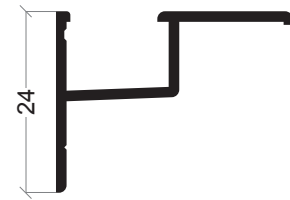
ATi-18
Montante curvo



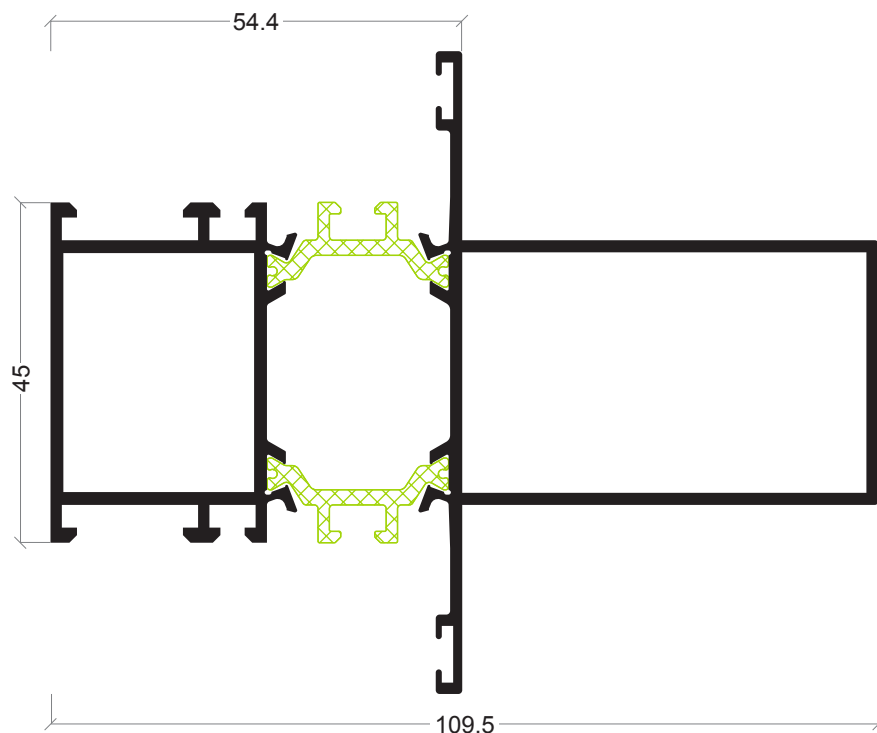
AX-19
Vareta



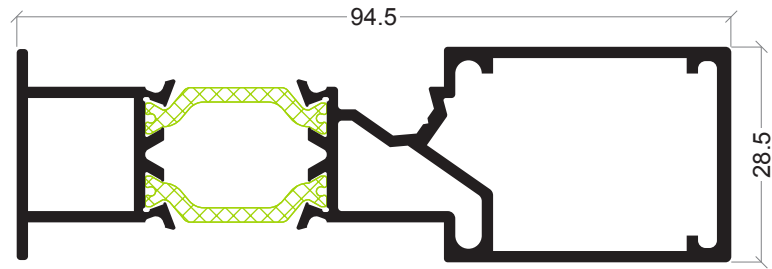
AX-33
Mola Bite



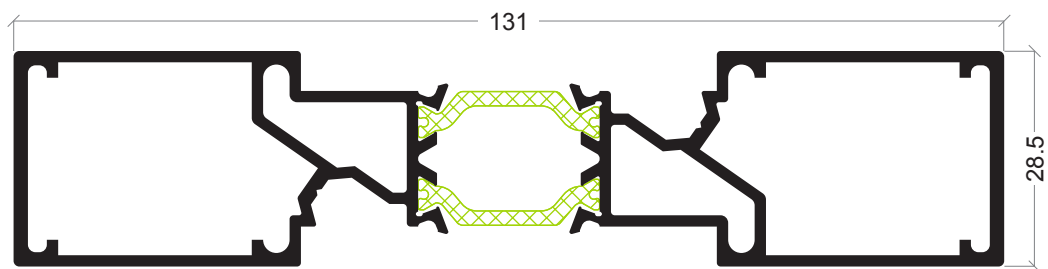
Y-20
Recolha de águas condensação



ATi-78
Montante recto

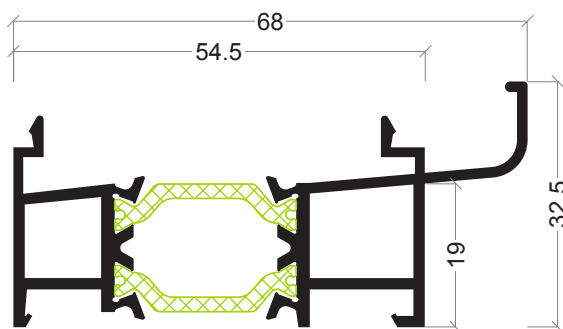


ATi-67
União de aros com reforço

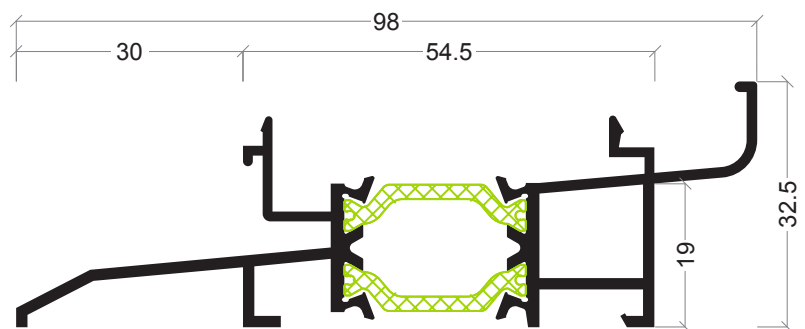


ATi-68
União de aros com reforço

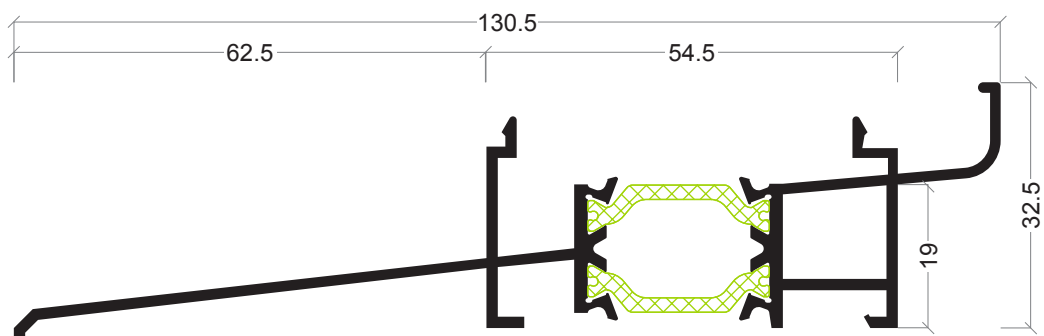
14



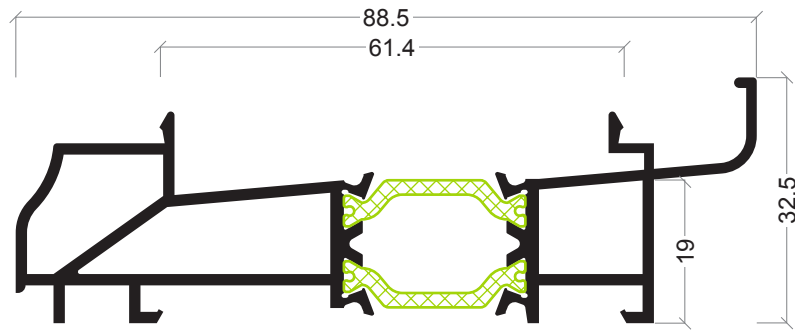
ATi-57
Soleira condensação



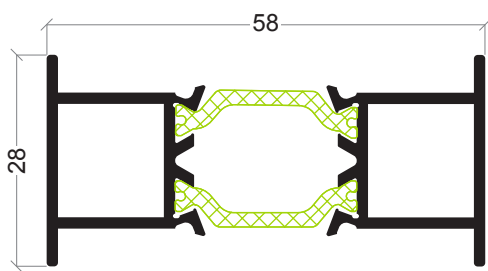
ATi-29
Soleira condensação



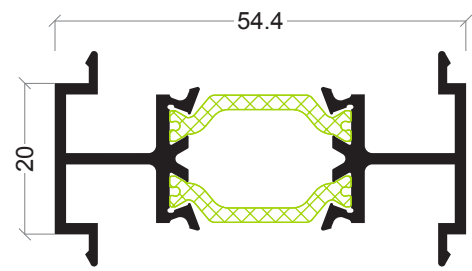
ATi-30
Soleira condensação



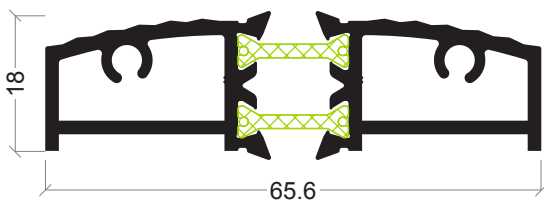
ATi-55
Soleira condensação



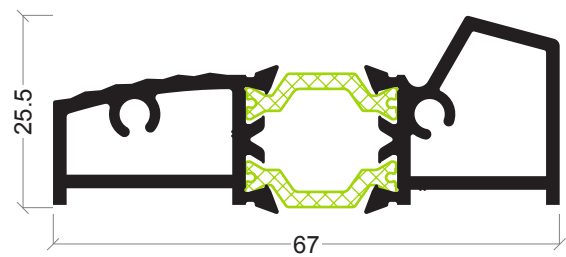
ATi-54
União de aros



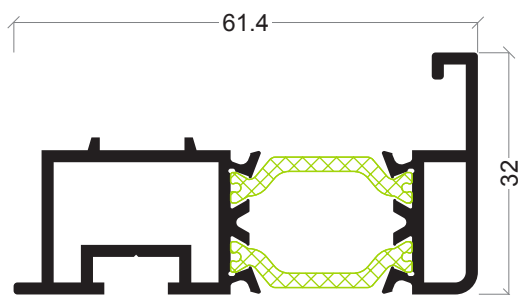
ATi-15
União de aros



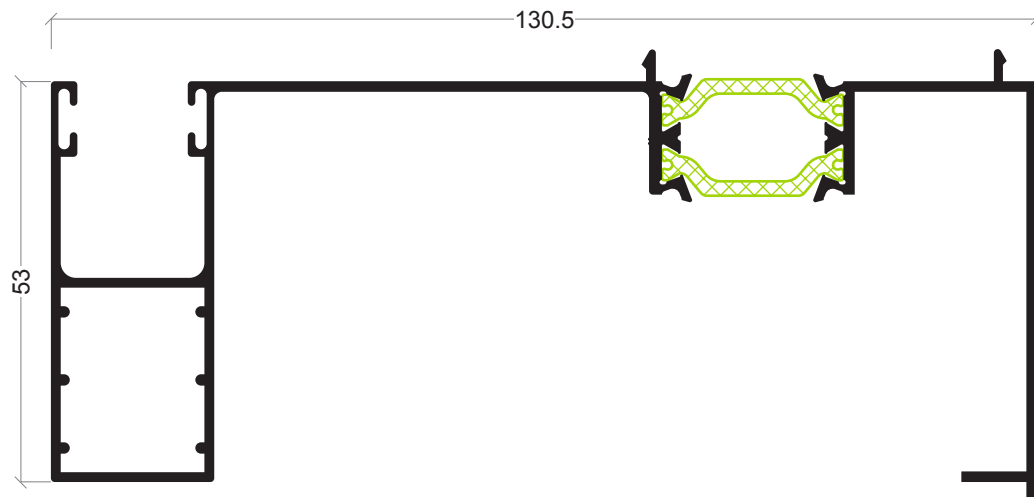
AXi-69
Remate inferior porta



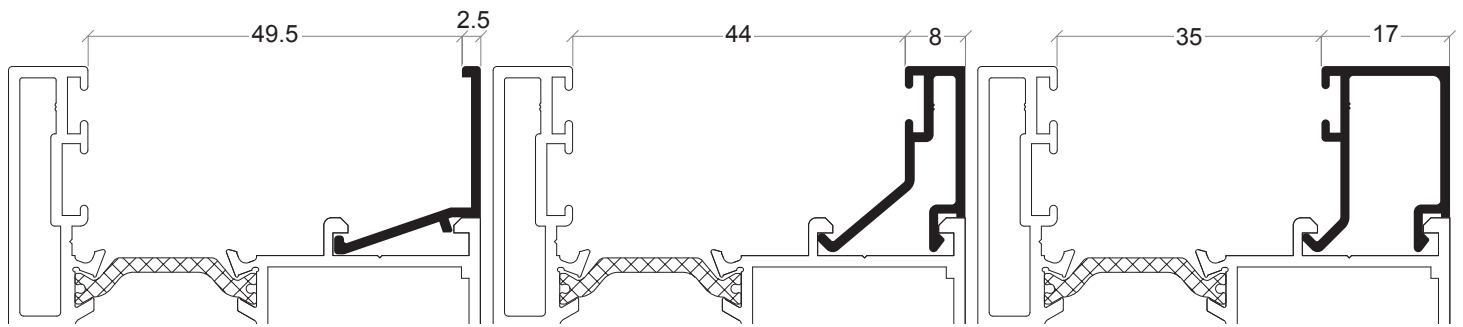
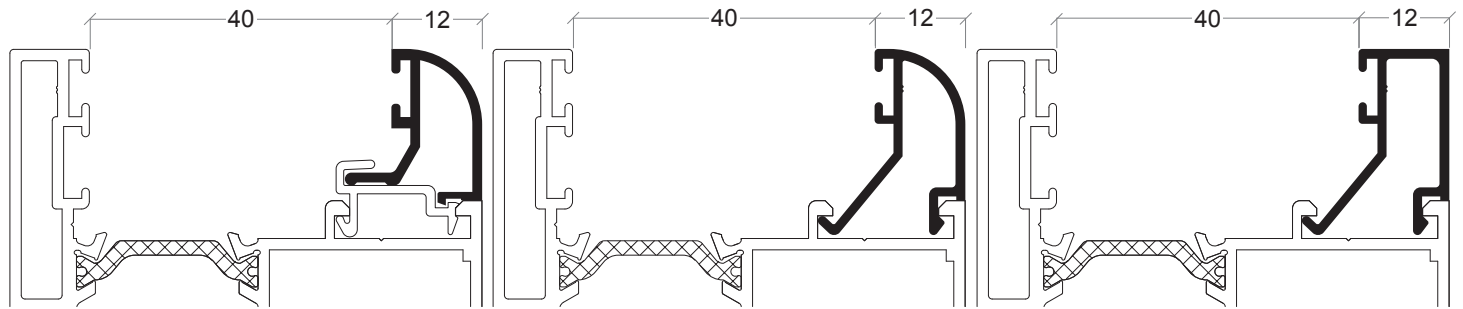
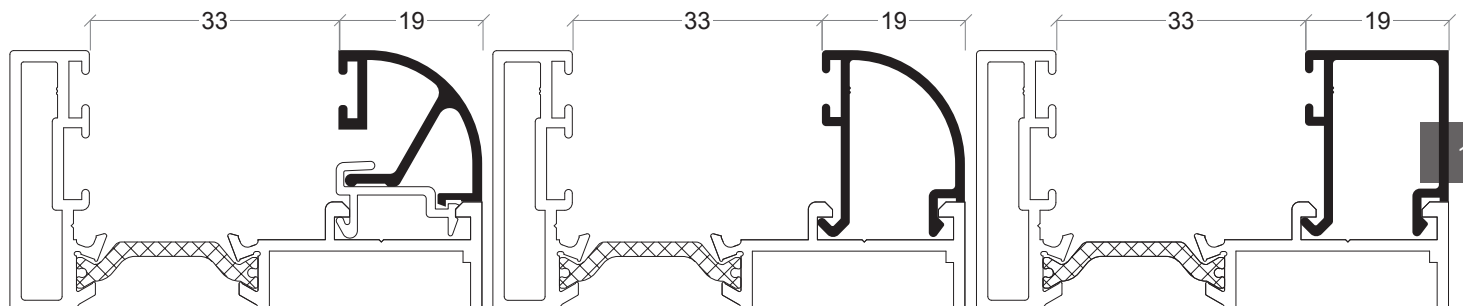
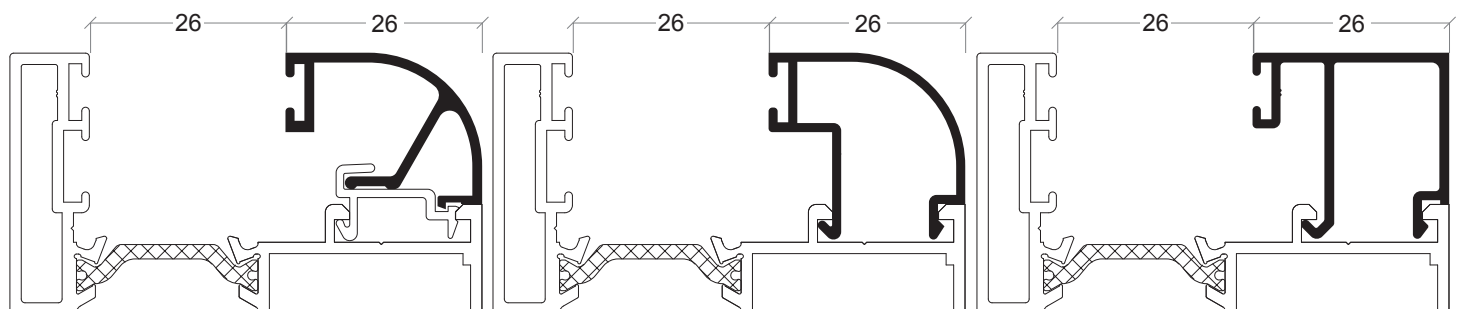
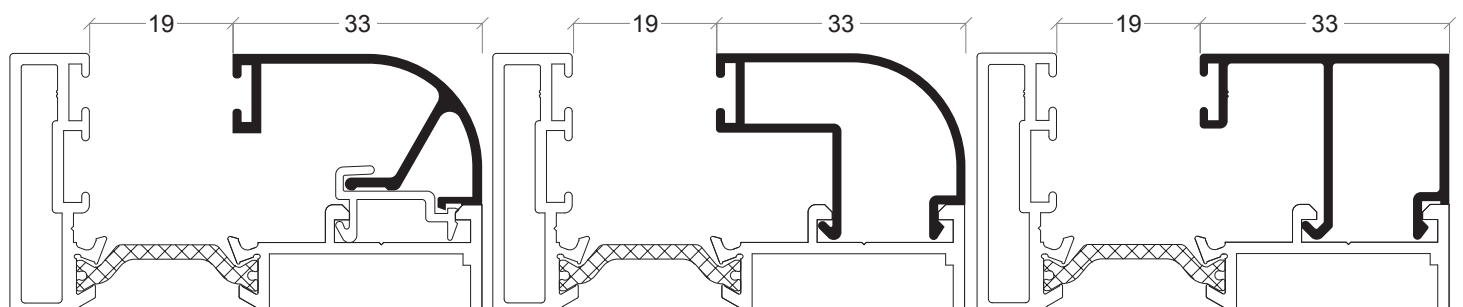
ATi-70
Remate inferior porta

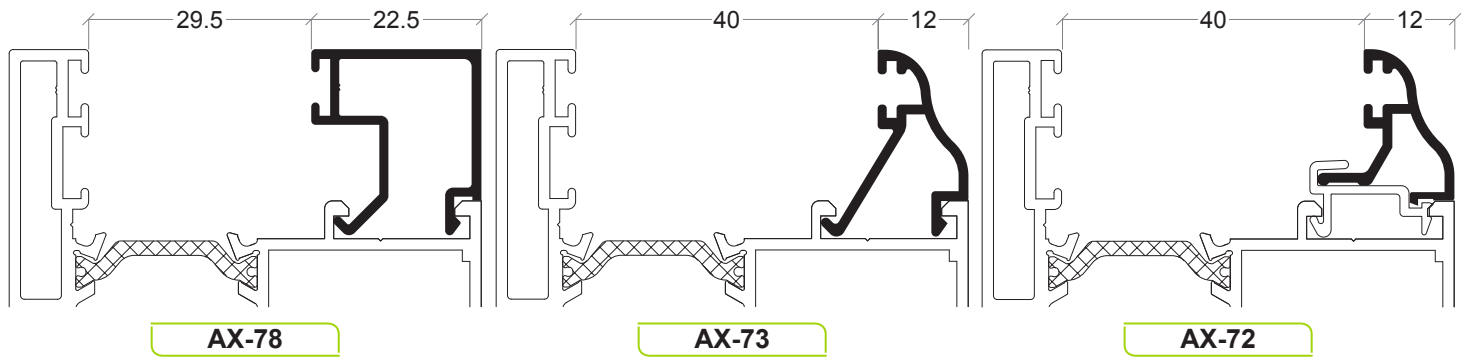


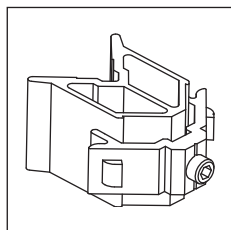
ATi-42
Remate almofada

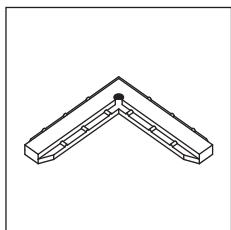


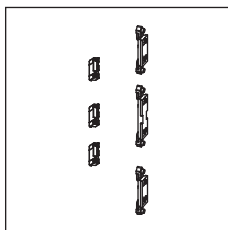
ATi-11
Pré-aro com calha estore

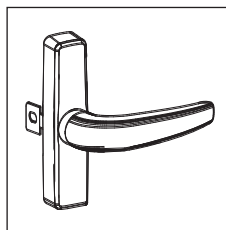

AX-69
AX-74
AX-46

AX-37
AZ-08
AX-36

AX-30
AZ-07
AX-35

AX-29
AZ-06
AX-31

AX-39
AZ-28
AX-34

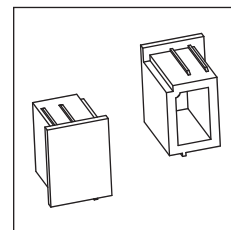


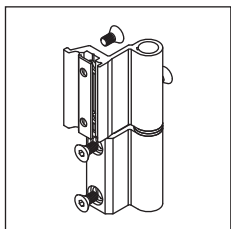

30 20 30 09

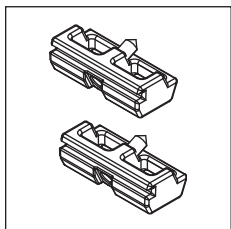
 Esquadro móvel
pivotante

30 21 20 07

 Esquadro de
alinhamento

30 90 20 40

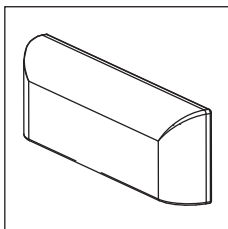
 Transmissão abertura
exterior

30 90 20 50/51

 Cremone para abertura
exterior

30 91 21 20

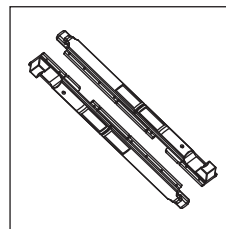
 Jogo topos condensação
Y-20

30 92 00 20/21

 Dobradiça C.E. branco/
preto

30 92 00 50

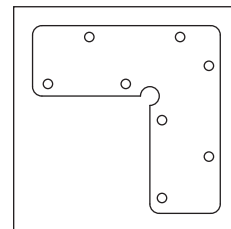
Complemento fecho


30 92 01 00/01

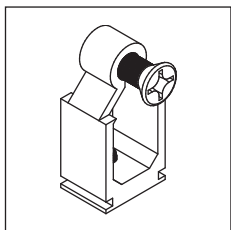
Goteiras branco/preto


30 92 01 20

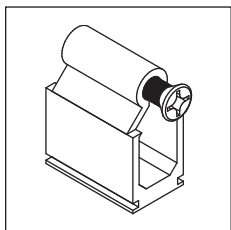
Jogo fecho C.E.


30 92 01 35

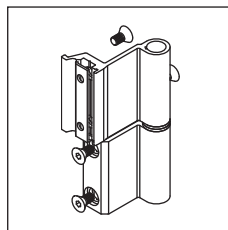
Esquadro alinhamento

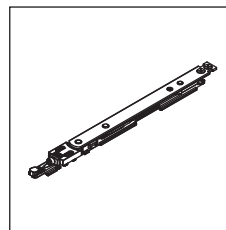

30 92 01 40

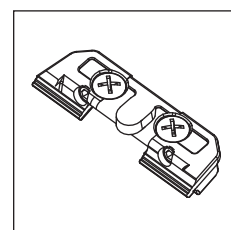
União topos janela

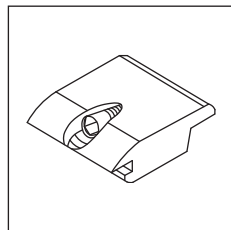

30 92 01 50

União topos porta

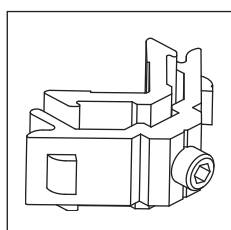

30 92 01 70/80

 Dobradiça 3 folhas
branco/preto

30 92 02 10/11/12

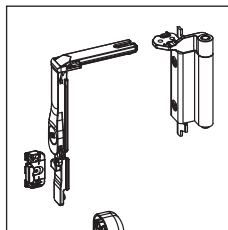
 Compasso oscilo
300/400/500

30 92 02 15

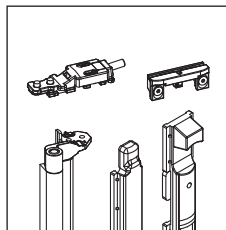
 Fecho para micro-
ventilação

30 92 02 60

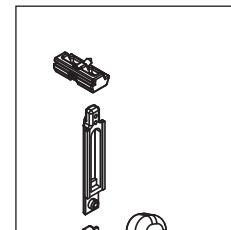
Apoio da folha


30 92 03 80

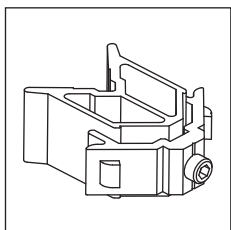
Esquadro janela


30 92 02 20/21

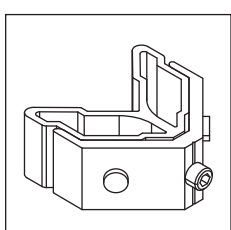
 Kit oscilobatente branco/
preto

30 92 02 24/25

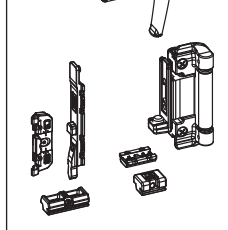
 Kit 2ª folha oscilobatente
branco/preto

30 92 03 10/11

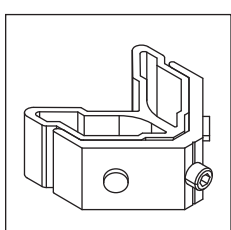
Kit cremone branco/preto

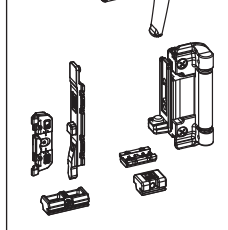

30 92 03 90

Esquadro porta

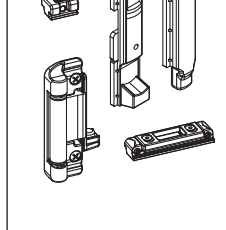

30 92 04 10

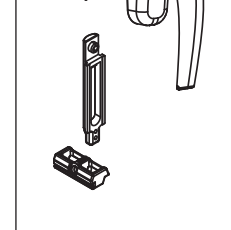
 Esquadro janela abertura
exterior

30 92 04 75

 Jogo compasso
basculante

30 92 04 76/77

 Fecho click (branco/
preto)

30 92 04 85

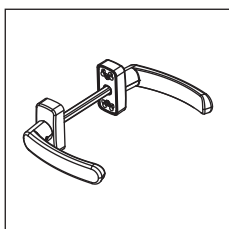
Jogo compasso

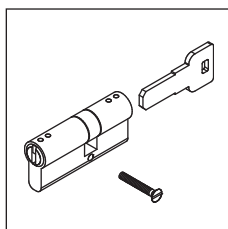

30 92 04 90

 Compasso SEN-550 (até
70kg /folha)

30 92 05 00

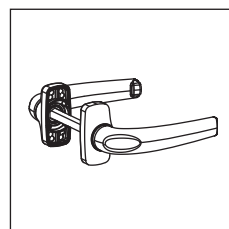
Jogo topos

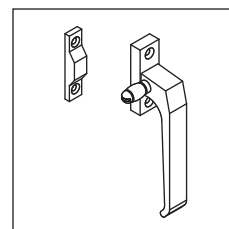

30 92 05 10

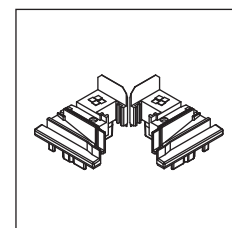
 Fechadura 3 pontos
35 mm

30 92 05 15

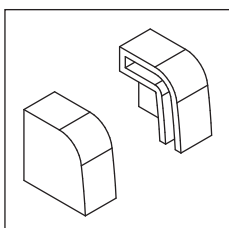
 Fecho de alavanca com
5 pontos de fecho

30 92 05 52

Canhão de segurança

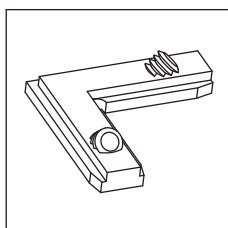

30 92 05 60/61

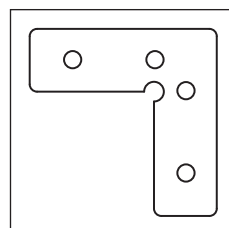
 Puxador duplo branco/
preto

30 92 06 10/11

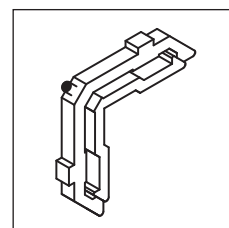
 Cremone de lingueta
branco/preto

30 93 50 21

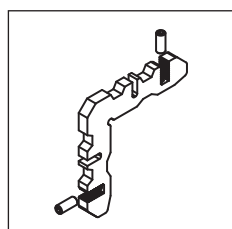
 Conjunto topos
inversores com furo ATi

30 96 00 12

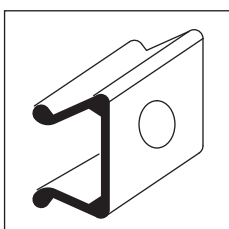
Jogo topos condensação


30 96 00 15

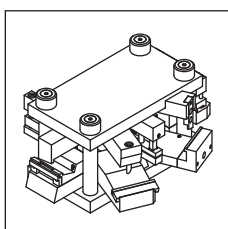
 Esquadro de
alinhamento

30 96 00 28

 Esquadro alinhamento especial
ATI-07/10/53/65/66

30 96 00 38

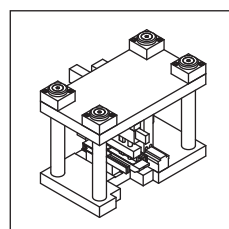
 Esquadro alinhamento
exterior

30 96 00 45

 Esquadro alinhamento
exterior com parafusos

31 03 40 00

Mola para AZ-60


33 96 79 99

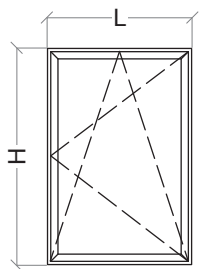
Cunho C.E.


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

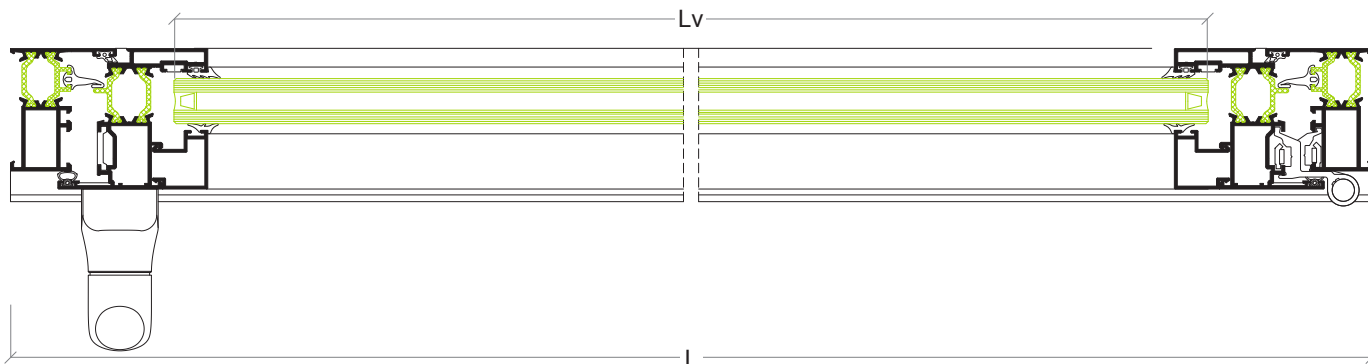
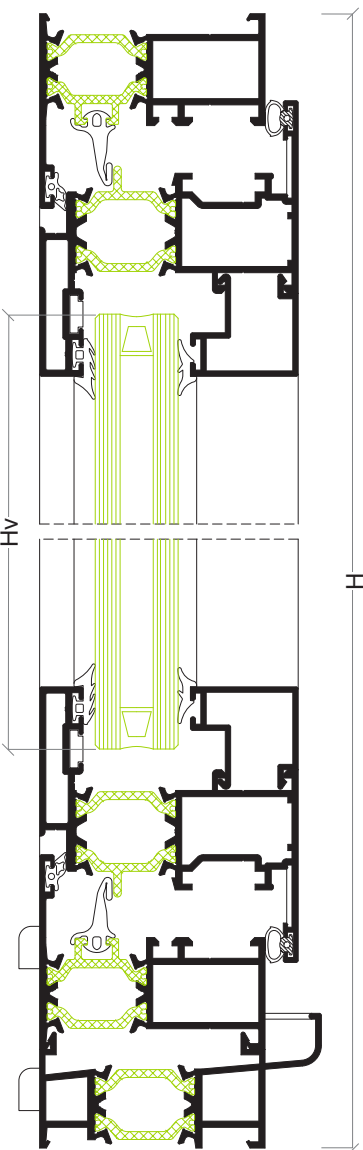
Acessórios e Juntas

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	

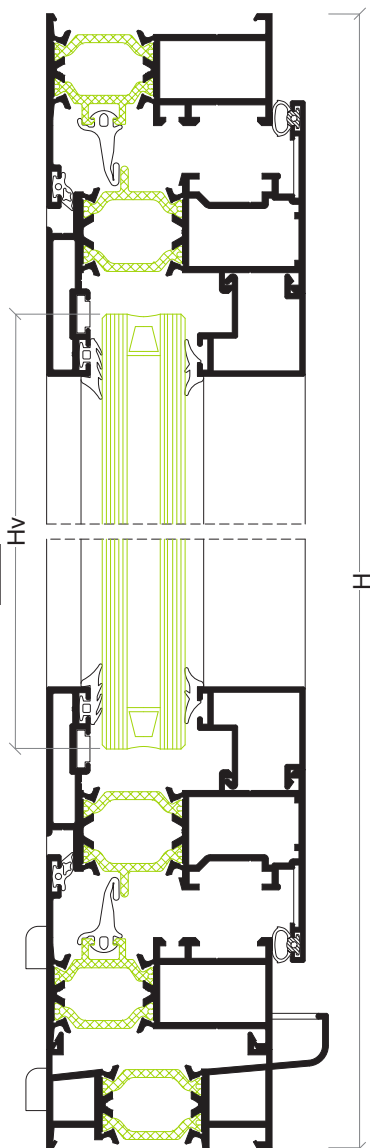
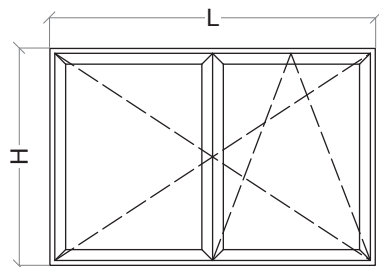
21

Vidro

Hv = H-174 mm	Lv = L-149 mm
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Janela 2 folhas abrir e oscilo-batente



Perfis

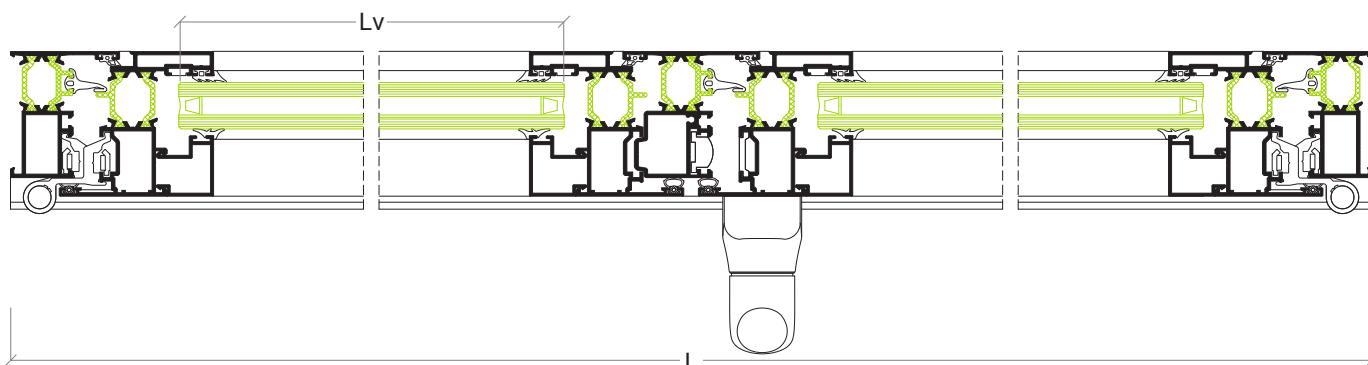
Desenho	Ref	Descrição	Corte	Quant	Medida
	ATi-03	Aro fixo		2	L
	ATi-64	Aro móvel		4	L/2-24 mm
	ATi-57	Soleira condensação		1	L
	AX-19	Vareta		1+1	Apro. L+H
	---	Bite		4	L/2-117 mm
	ATi-04	Inversor		4	H-199 mm
	---	---		1	H-134 mm

Acessórios e Juntas

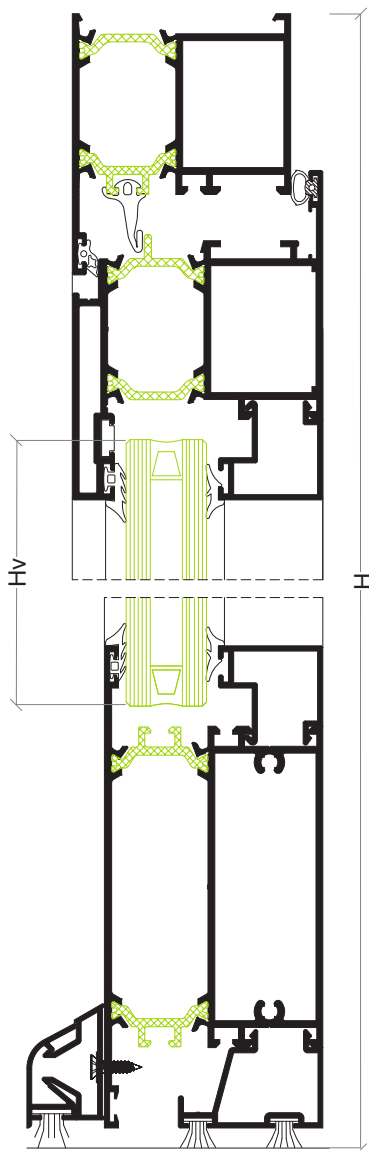
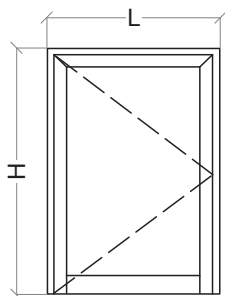
Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 92 00 20	Dobradiças C.E.	4	---
30 92 01 00	Goteiras	4	4
30 92 01 20	Jogo fecho C.E.	1	---
30 92 01 35	Esquadro alinhamento aro móvel	8	8
30 92 02 (xx)	Compasso O.B.	---	1
30 92 02 20	Kit oscilo-batente	---	1
30 92 02 24	Kit 2ª folha oscilo-batente	---	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

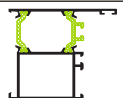
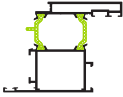
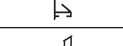
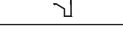
Hv = H-174 mm	Lv = L/2-131 mm
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Porta 1 folha



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

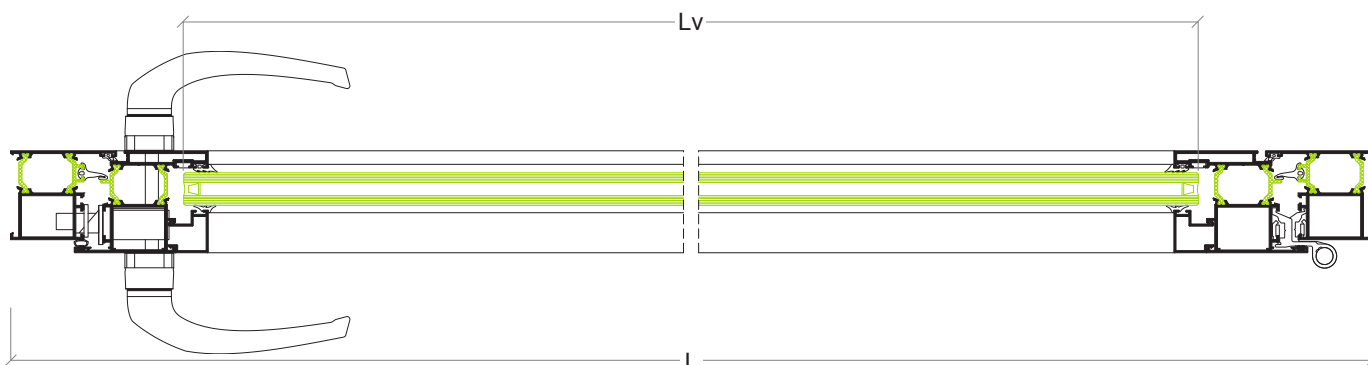
Acessórios e Juntas

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

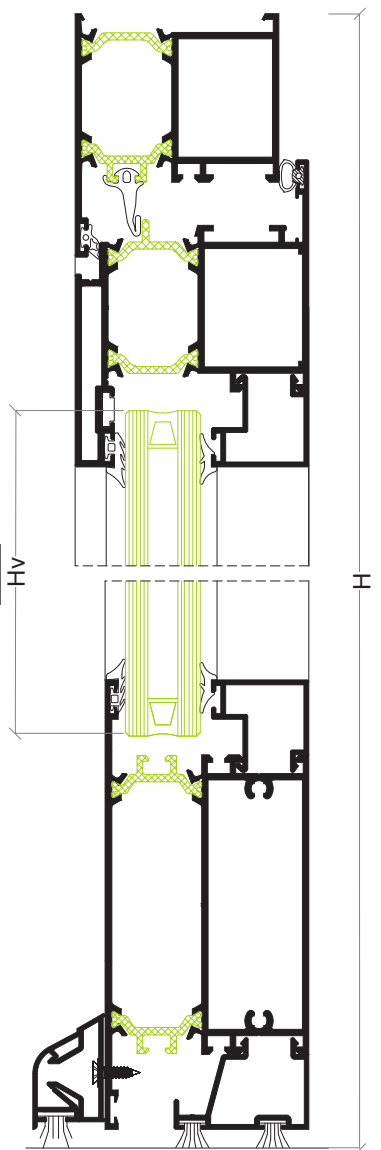
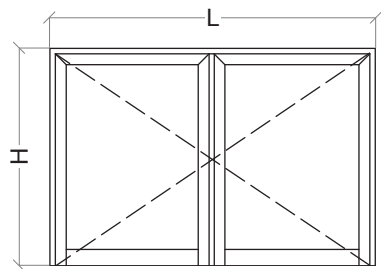
23

Vidro

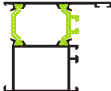
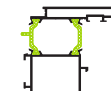
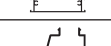
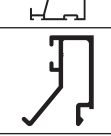
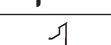
Hv = H-220 mm	Lv = L-216 mm
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Porta 2 folhas



Perfis

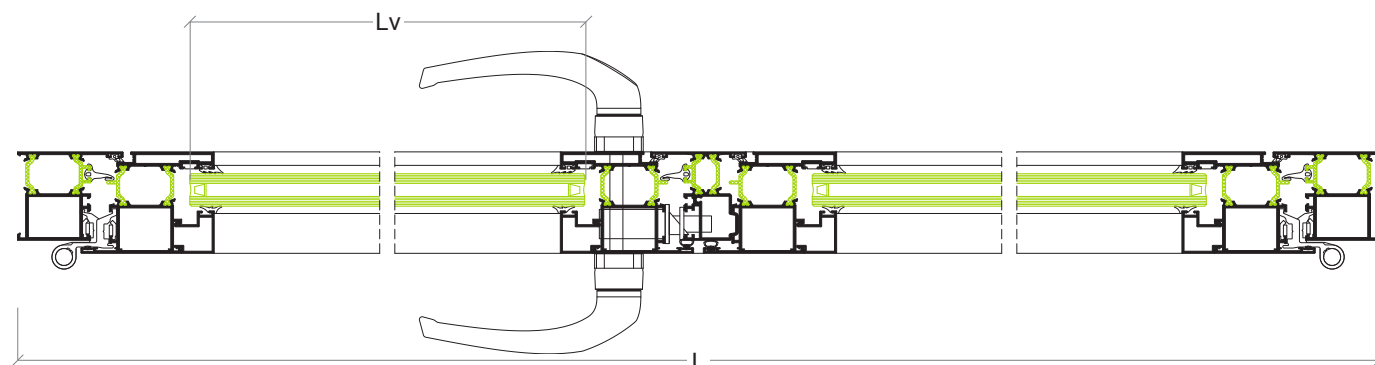
Desenho	Ref	Descrição	Corte	Quant	Medida
	ATi-08	Aro fixo		1	L
				4	H
	ATi-65	Aro móvel		2	L/2-42 mm
				4	H-44 mm
	ATi-04	Inversor		1	H-78 mm
	ATi-12	Travessa		2	L/2-157 mm
	AX-15	Bite remate		2	L/2-166 mm
	---	Bite		4	L/2-166 mm
				4	H-246 mm
	AZ-60	Pingadeira		1	Aprox. L/2
				1	Aprox. L/2
	AZ-61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

Acessórios e Juntas

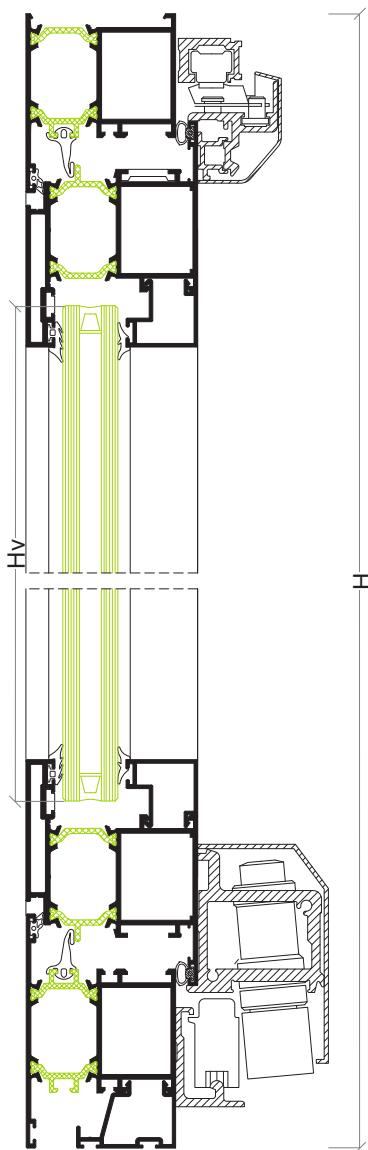
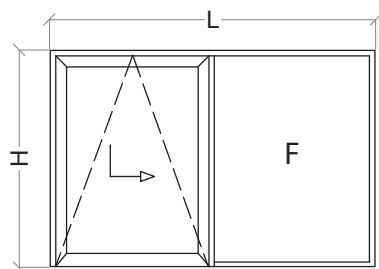
Referência	Descrição	Quantidade
30 92 00 20	Dobradiças C.E.	6
30 92 01 12	Jogo topos inversor	1
30 92 01 20	Jogo fecho C.E.	1
30 92 03 90	Esquadro porta	6
30 92 05 10	Fechadura 3 pontos	1
30 92 05 52	Canhão fechadura	1
30 92 05 60	Puxador duplo	1
30 96 00 15	Esquadro alinhamento móvel	4
30 92 05 00	Jogo 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

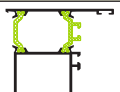
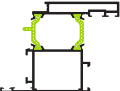
Hv = H-220 mm	Lv = L-180 mm
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Porta oscilo-parallel com fixo lateral



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

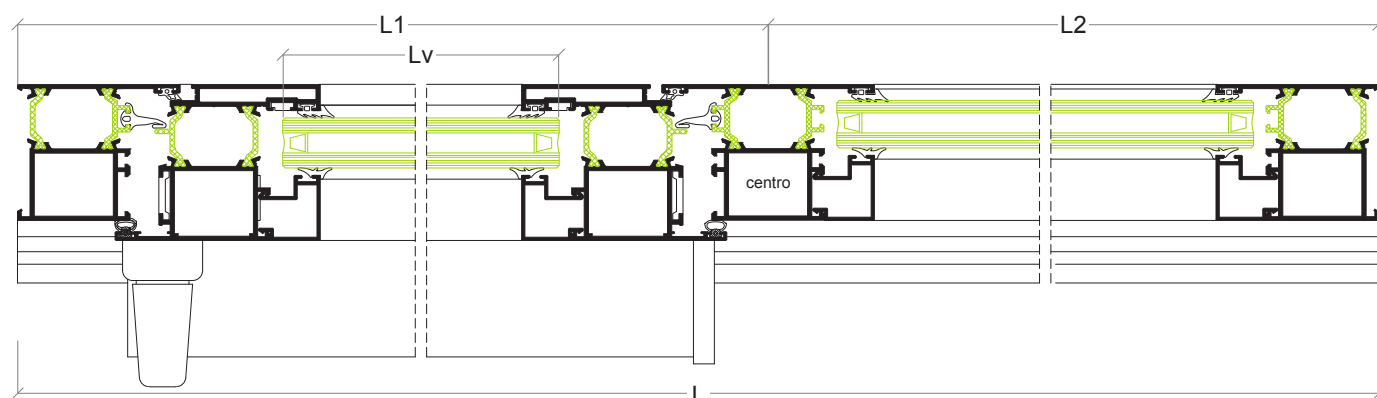
Acessórios e Juntas

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-parallel	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

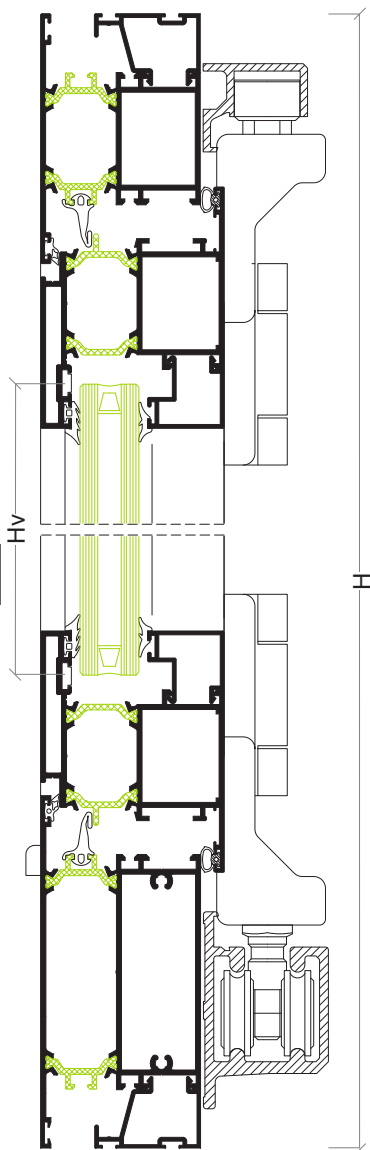
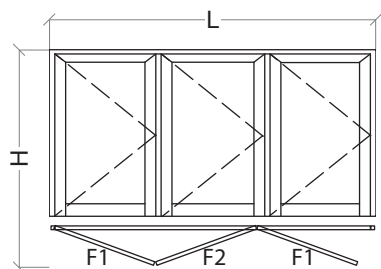
	Mínimo	Máximo
Largura da folha	700 mm	1650 mm
Altura da folha	850 mm	2400 mm
Peso máximo por folha 150 kg		

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	Bíte remate		2	L-90 mm
	AX-19	Vareta		2	2H
	---	Bíte		6	(consultar)
				6	(consultar)

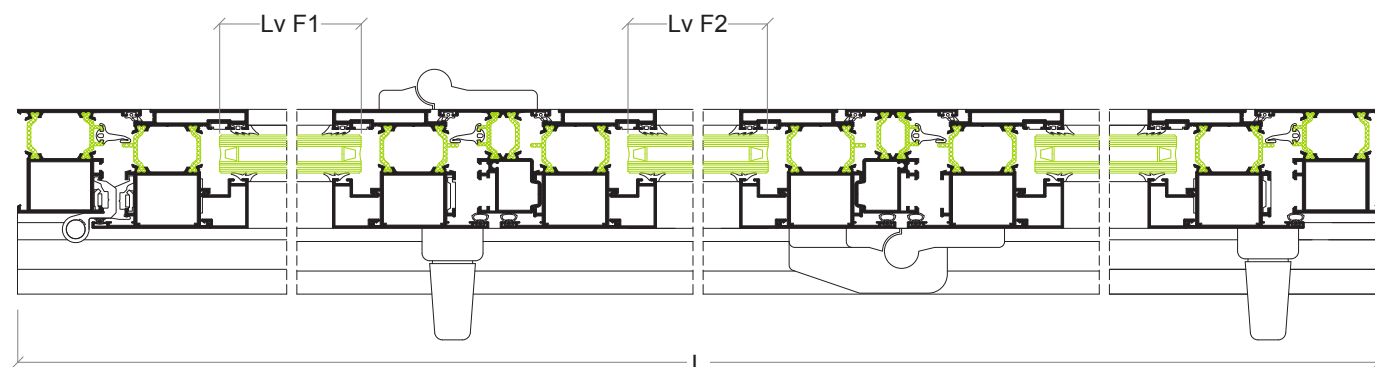
Acessórios e Juntas

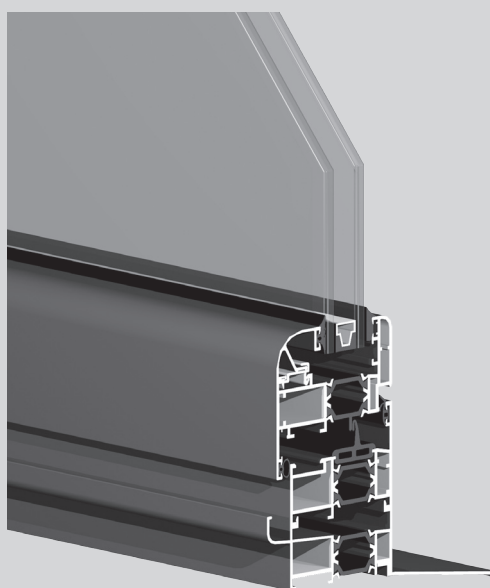
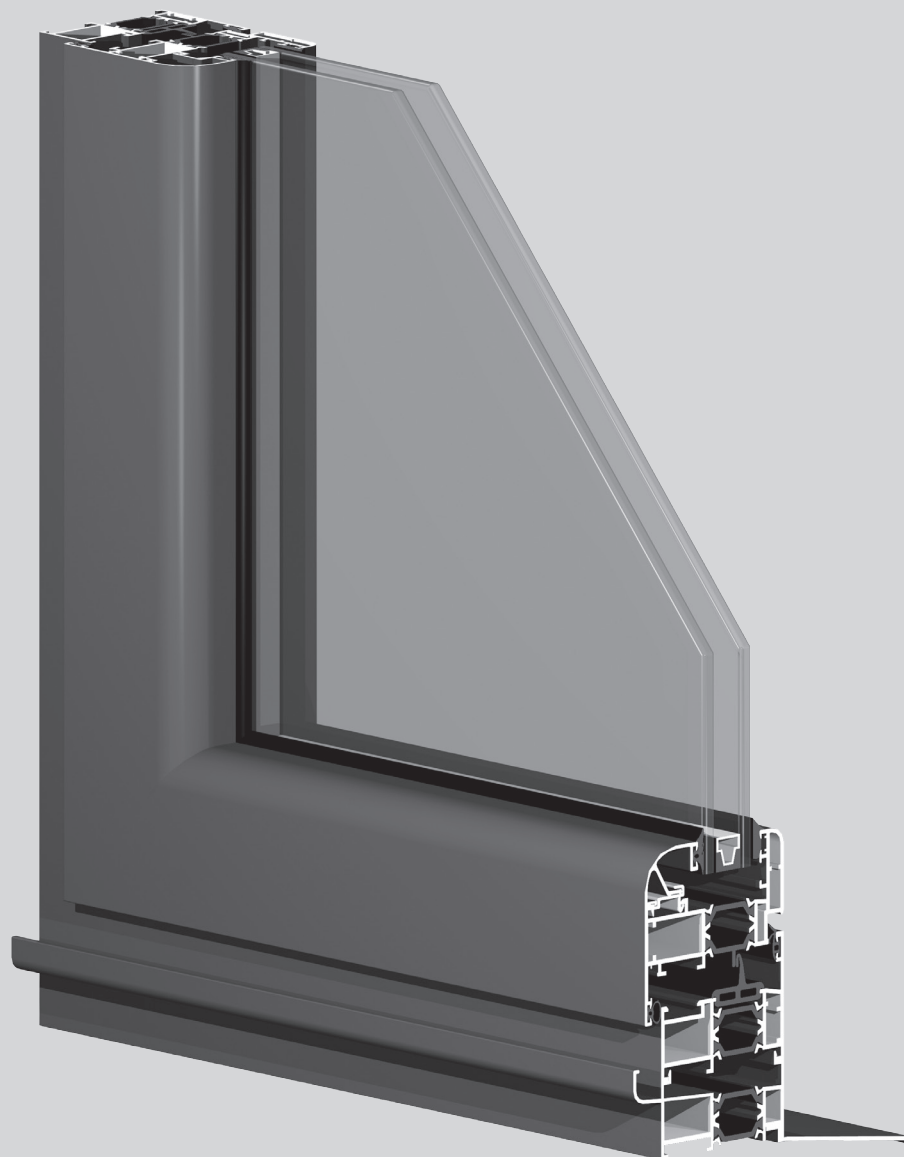
Referência	Descrição	Quantidade
30 92 01 50	União topo porta	2
30 92 01 00	Goteiras	6
30 93 50 21	Jogo topos inversor	2
30 92 03 90	Esquadro porta	12
---	Kit harmónio (3+0)	1
30 92 01 20	Jogo fecho C.E.	1
30 96 00 28	Esquadro alinhamento	12
30 96 00 15	Esquadro móvel exterior	12
30 93 00 90	Junta exterior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





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 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 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)

Coeficiente 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":

• $U_w = 1.54 \text{ W/m}^2\text{K}$

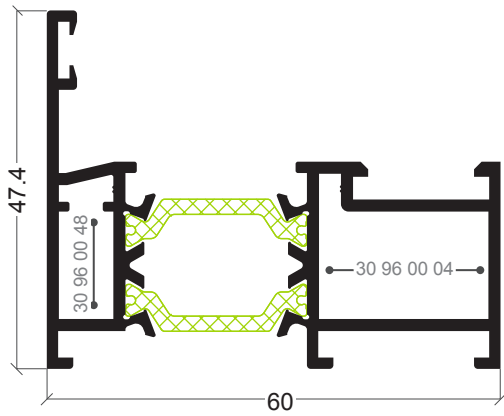
Coeficiente de transmissão térmica de vão de 2 folhas, sistema ARi Folha Oculta com 1.80 m x 2.20 m com vidro $U_g = 1.1 \text{ W/m}^2\text{K}$, com intercalar efeito "Warm Edge":

• $U_w = 1.70 \text{ W/m}^2\text{K}$

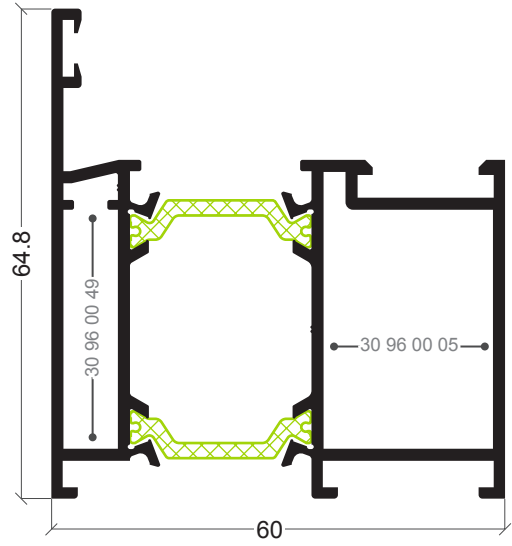
Coeficiente de atenuação acústica de vão de 2 folhas com vidro 4/16 (gás Árgon)/6:

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

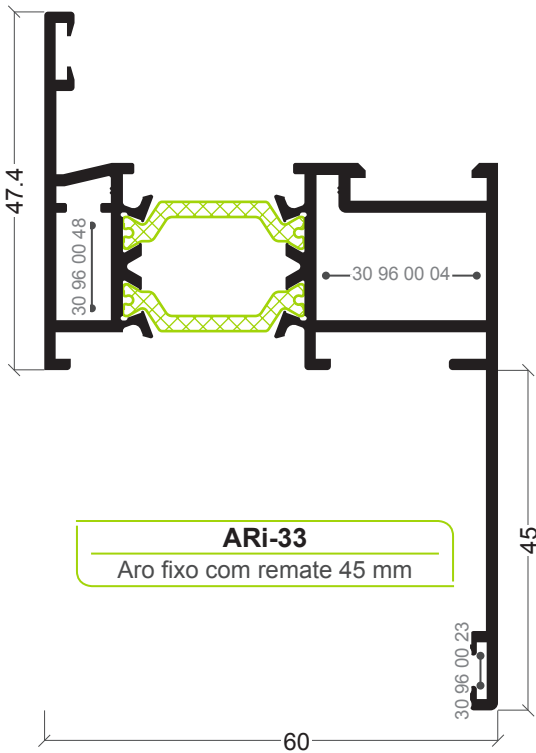
Zonas de aplicação segundo RCCTE (em função do valor U_g): I1, I2, I3, V1, V2, V3.



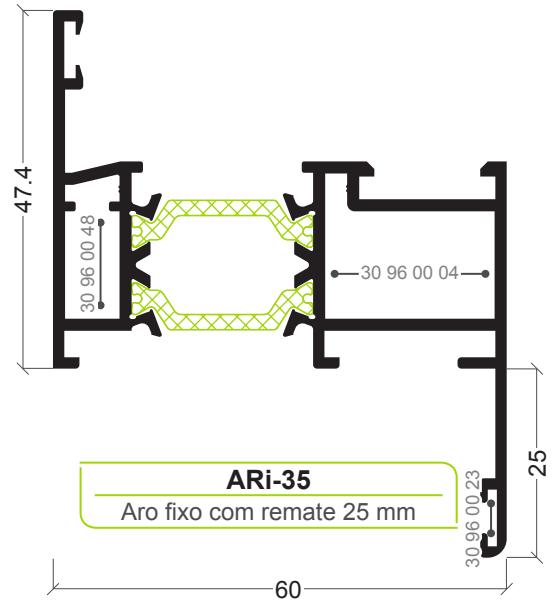
ARi-03
Aro fixo



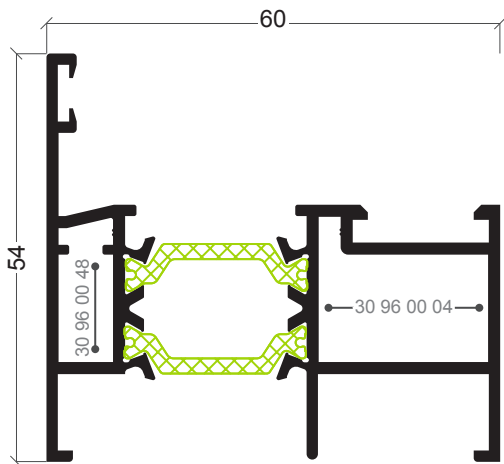
ARi-08
Aro fixo



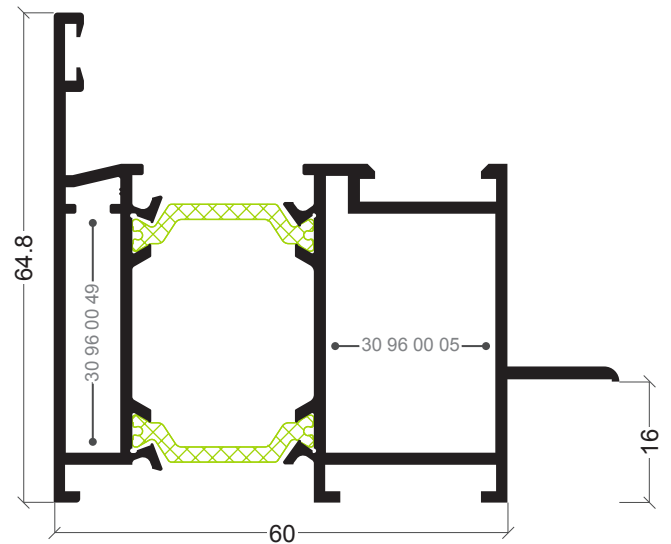
ARi-33
Aro fixo com remate 45 mm



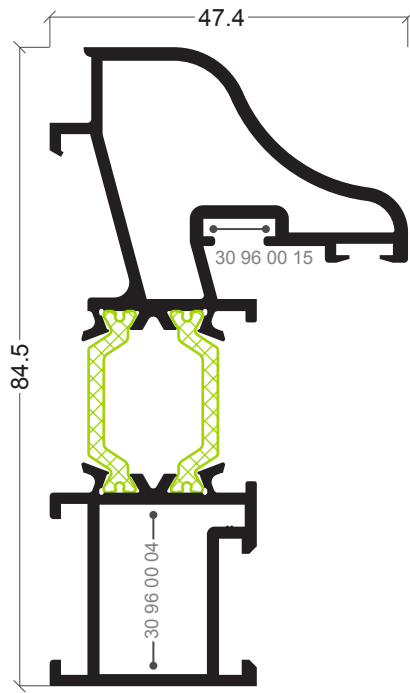
ARi-35
Aro fixo com remate 25 mm



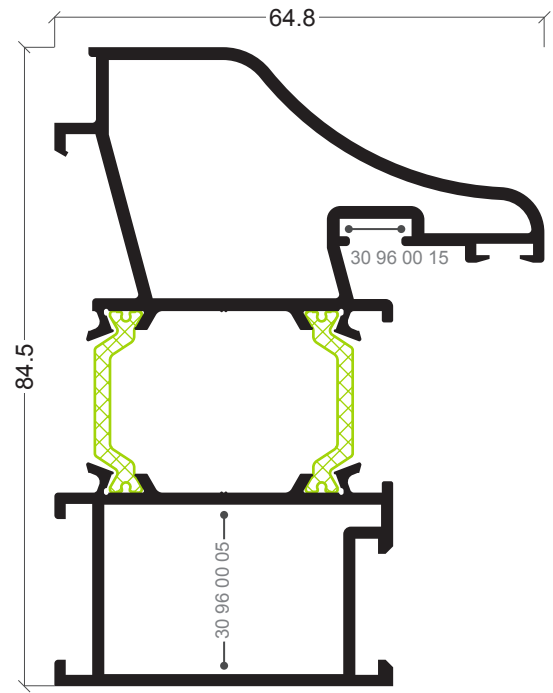
ARi-81
Aro fixo



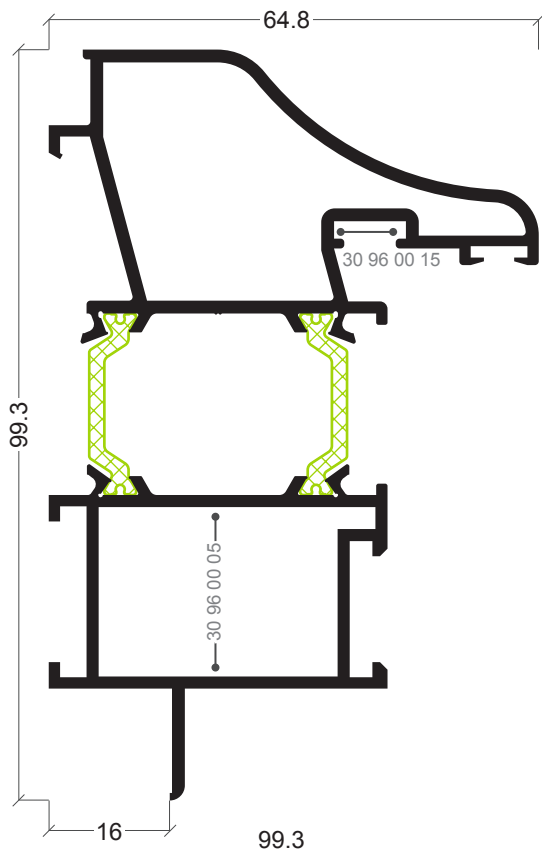
ARi-68
Aro fixo para apainelado



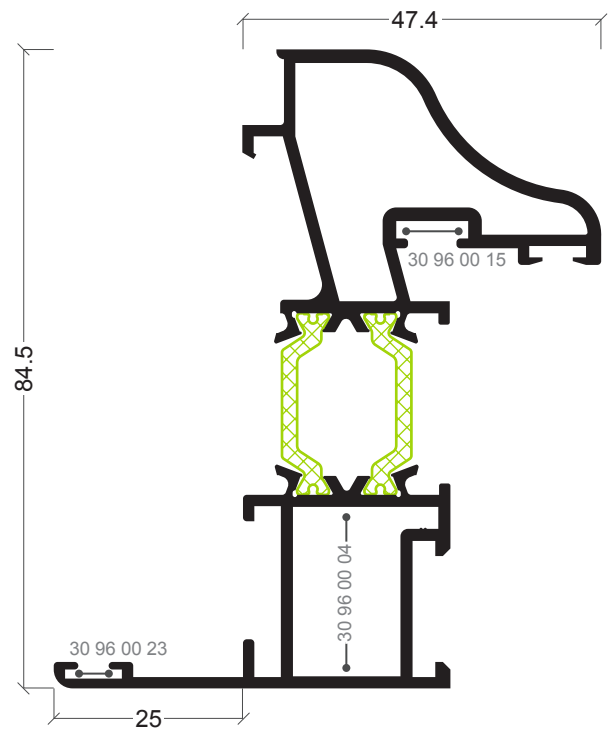
ARi-57
Aro fixo tradição



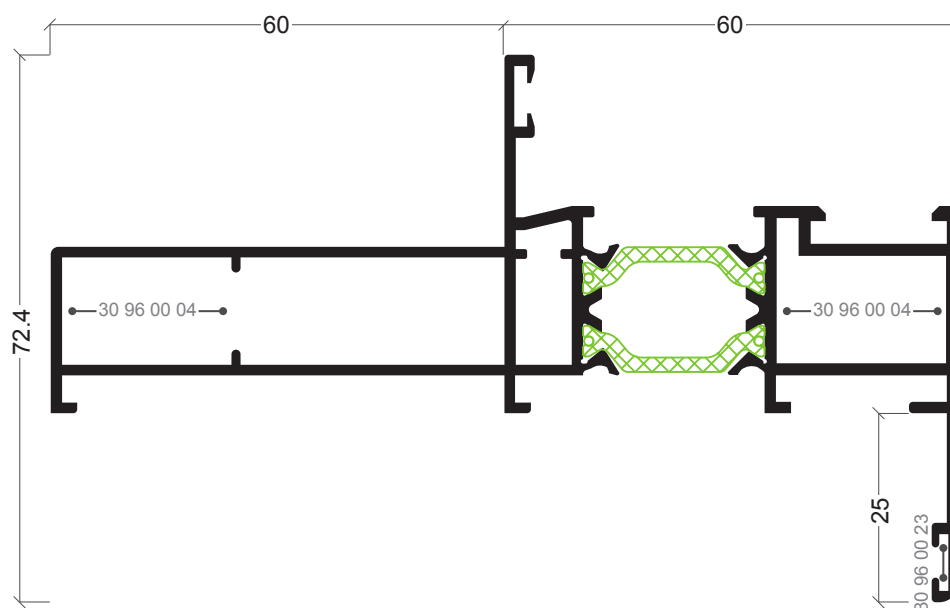
ARi-59
Aro fixo tradição



ARi-69
Aro fixo para apainelado

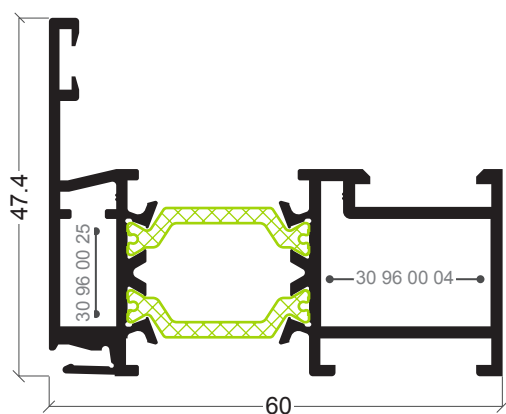


ARi-77
Aro fixo com remate



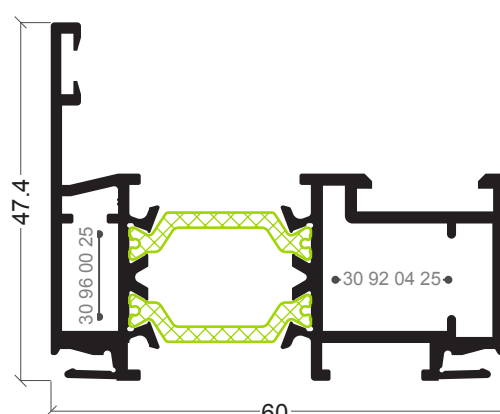
ARi-86

Aro fixo com remate



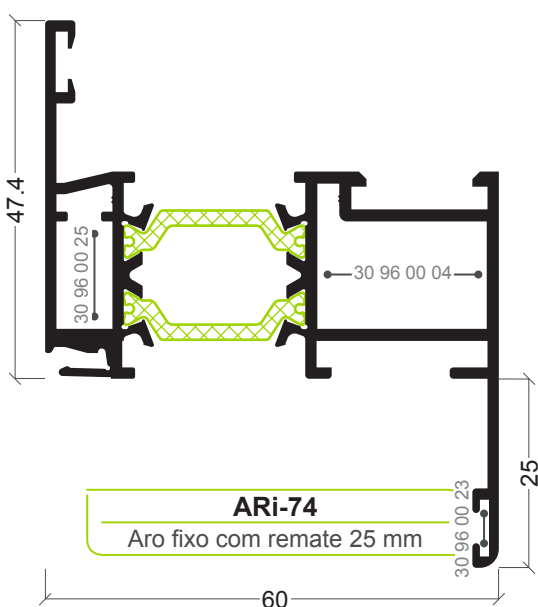
ARi-76

Aro fixo



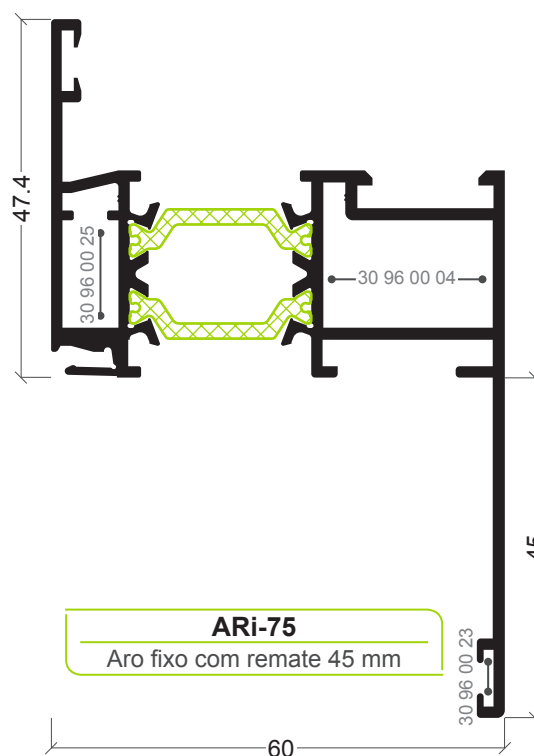
ARi-80

Aro fixo com clip interior/exterior



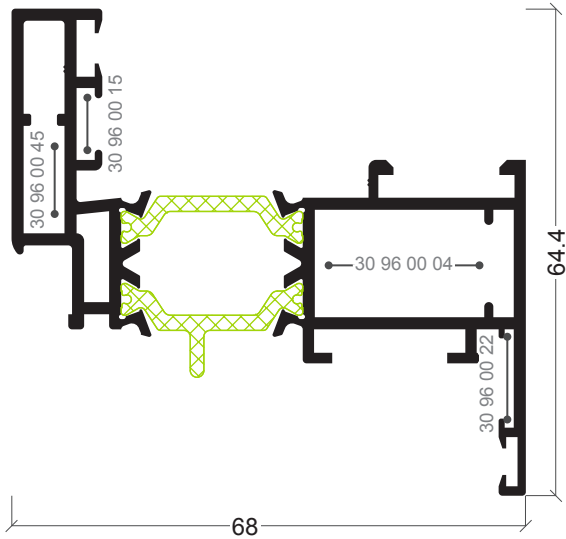
ARi-74

Aro fixo com remate 25 mm

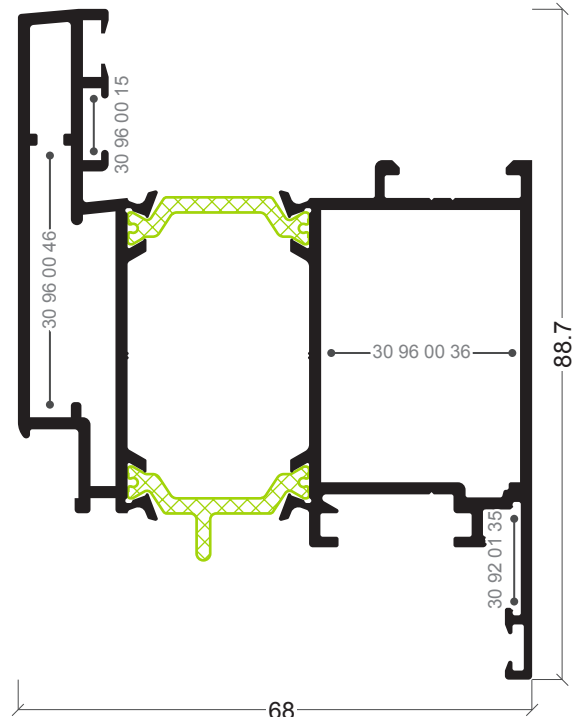


ARi-75

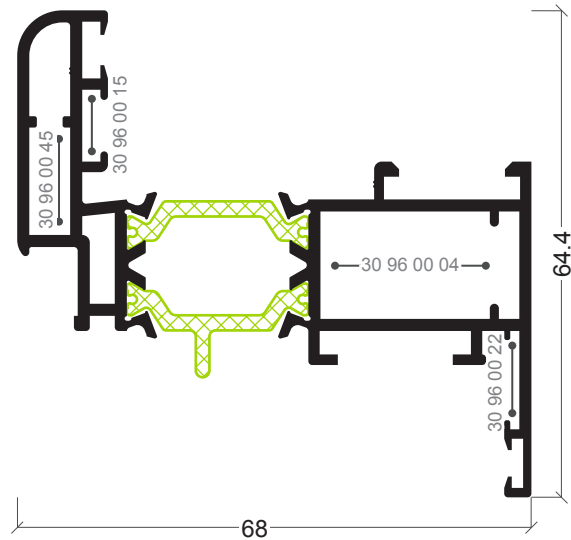
Aro fixo com remate 45 mm



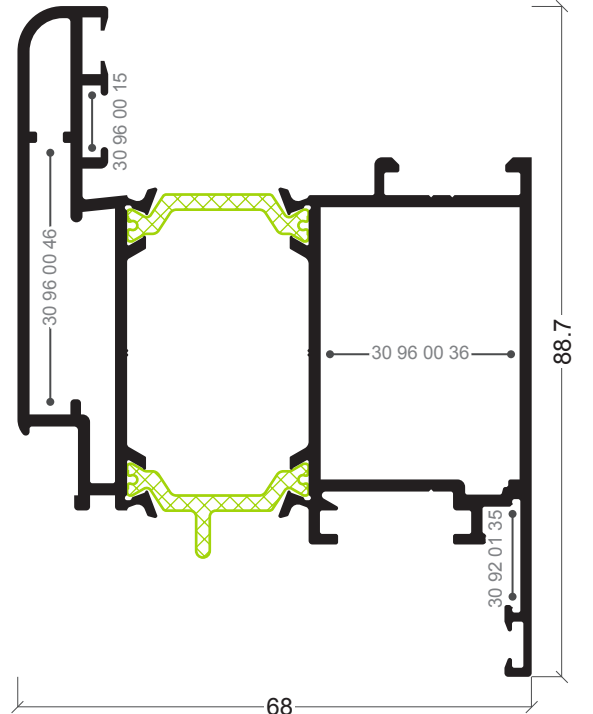
ARi-61
Aro móvel



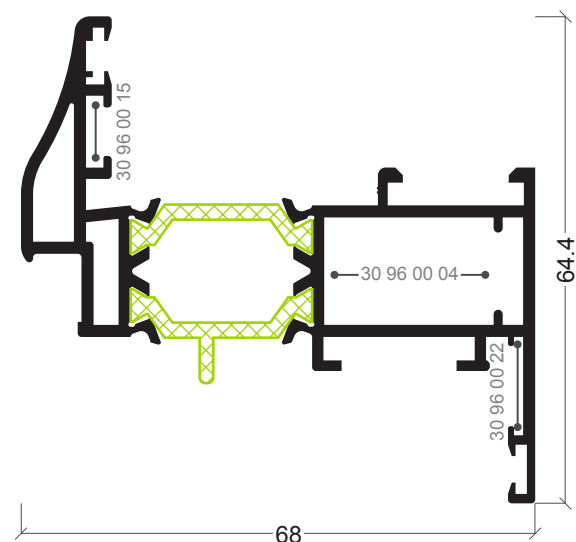
ARi-36
Aro móvel



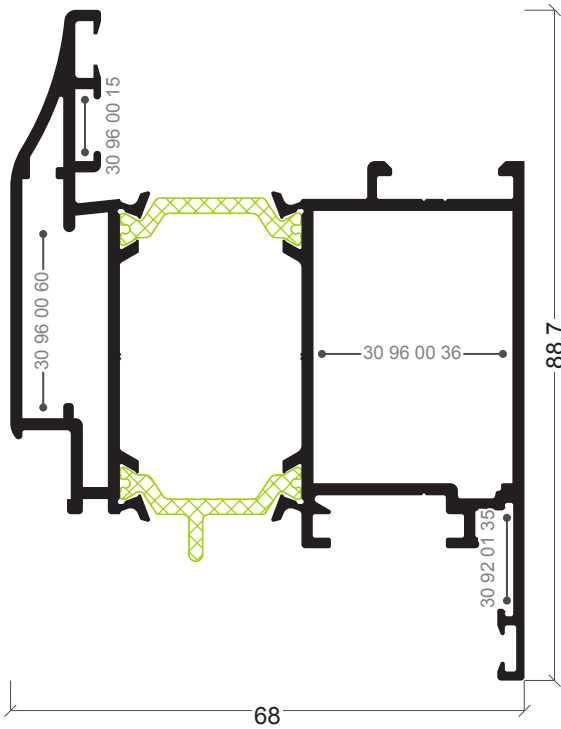
ARi-05
Aro móvel



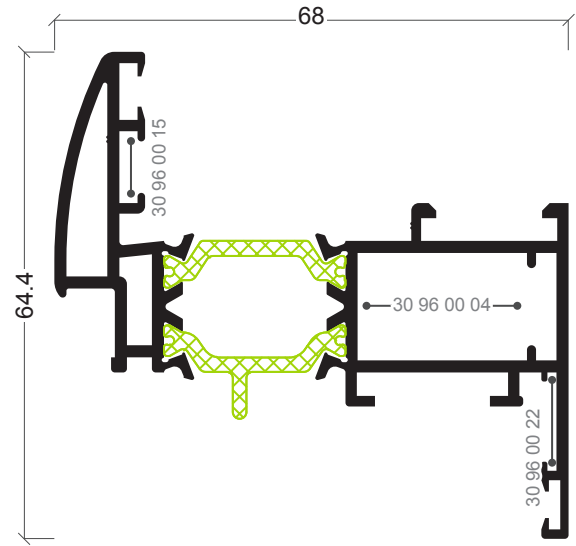
ARi-10
Aro móvel



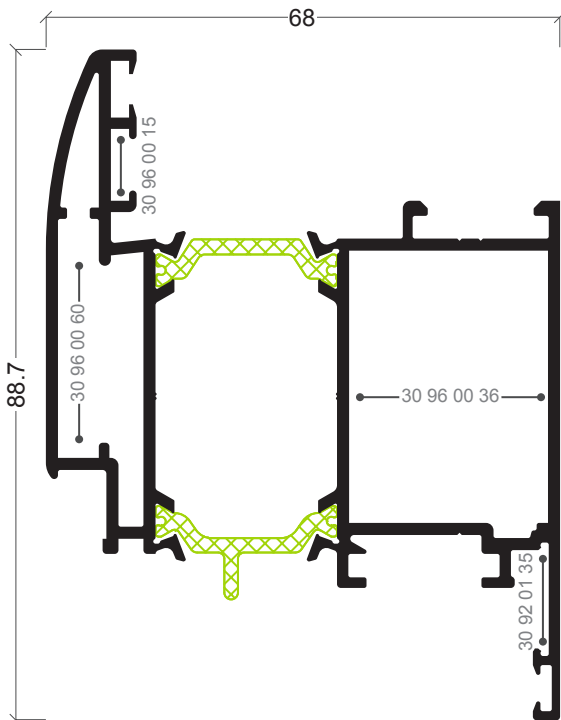
ARi-58
Aro móvel tradição



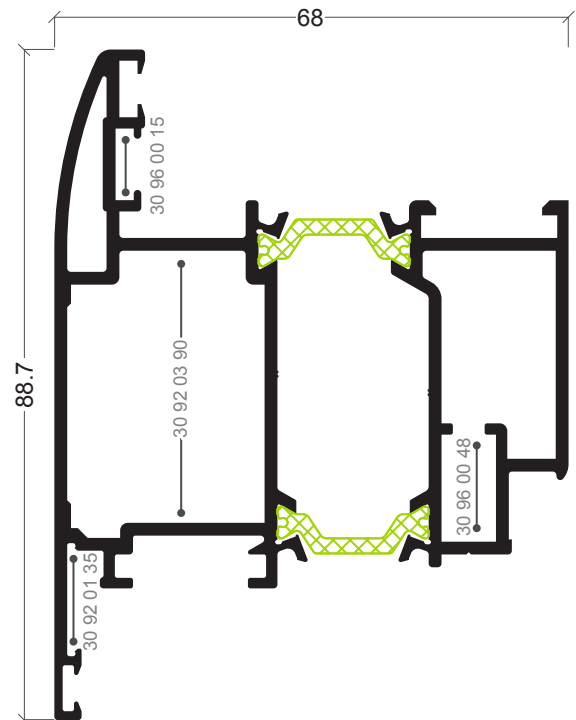
ARi-60
Aro móvel tradição



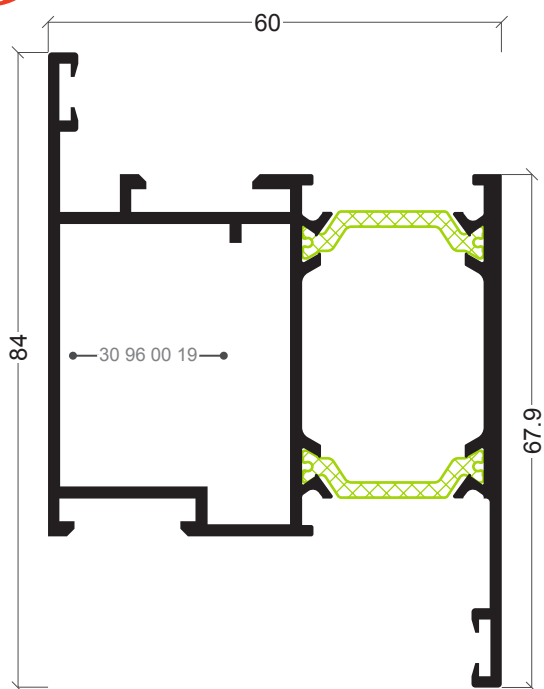
ARi-83
Aro móvel



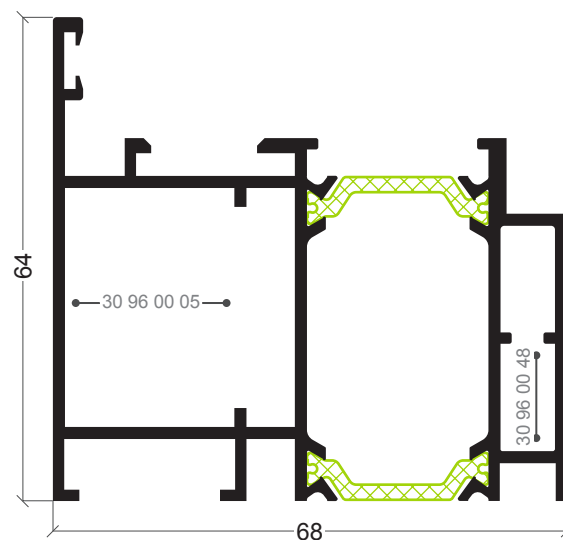
ARi-84
Aro móvel



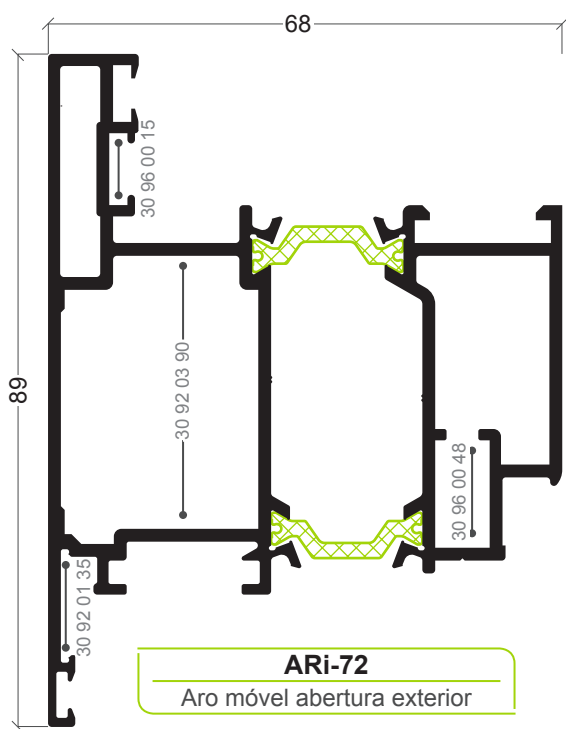
ARi-85
Aro móvel



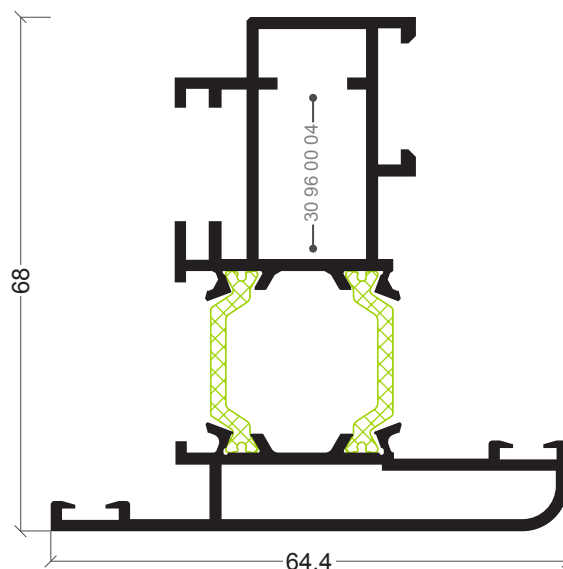
ARi-11
Aro fixo abertura exterior com fixo lateral



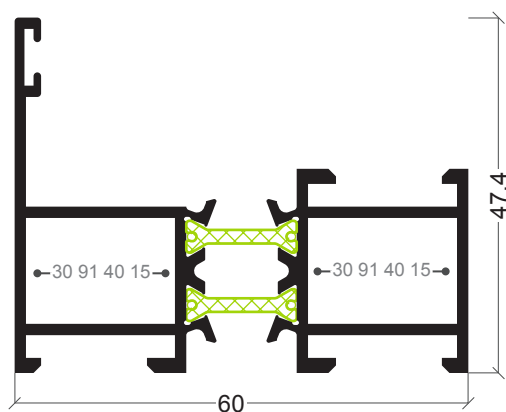
ARi-09
Aro fixo abertura exterior ARi-25



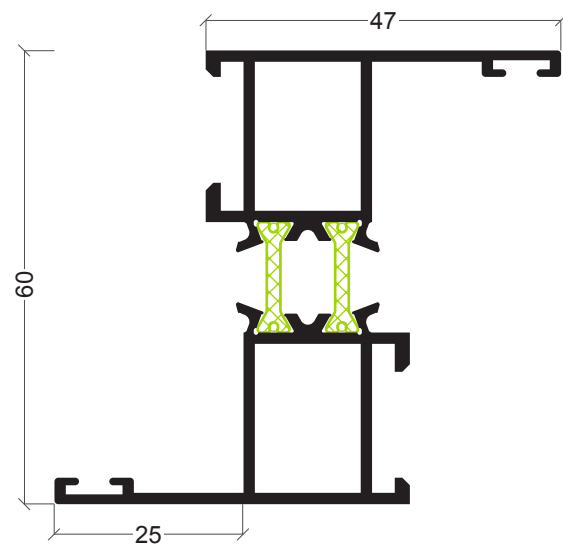
ARi-72
Aro móvel abertura exterior



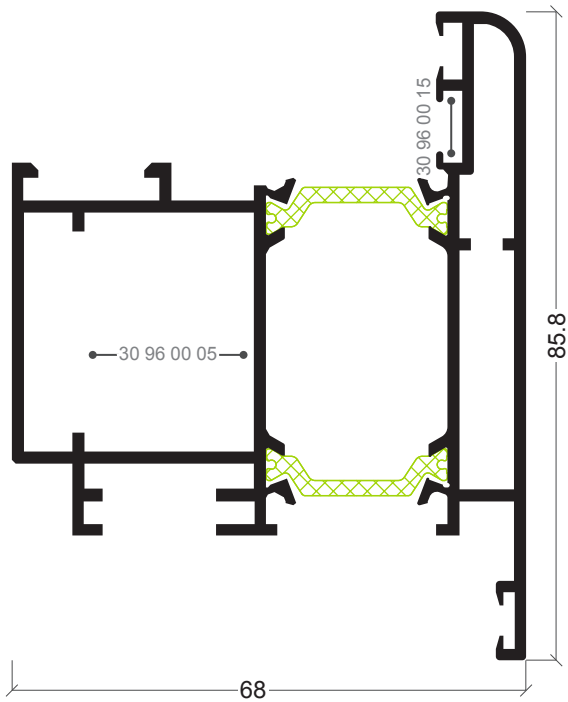
ARi-02
Aro móvel pivotante



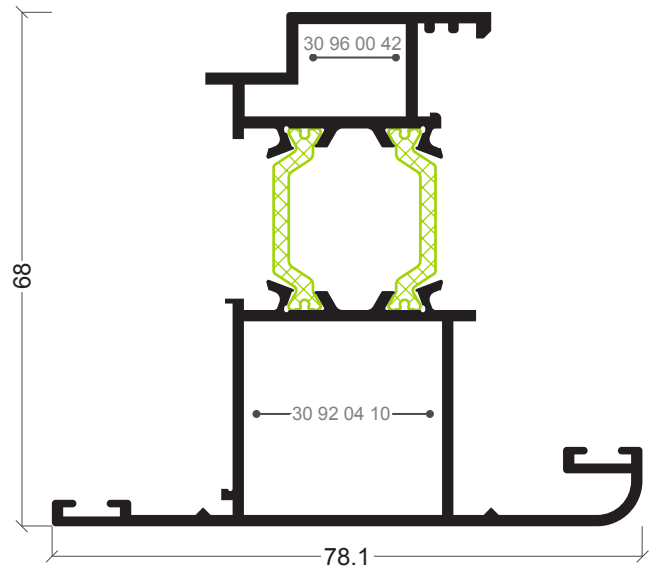
ARi-38
Aro fixo projectante



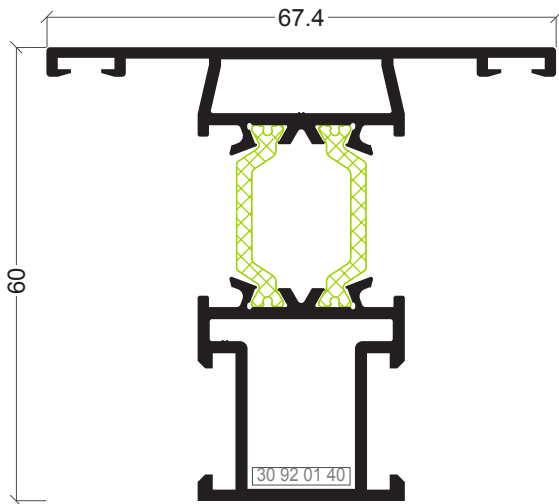
ARi-39
Aro fixo projectante com fixo



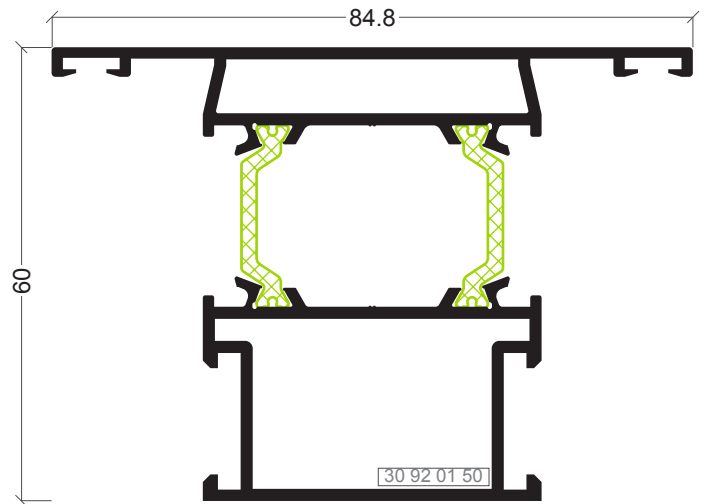
ARi-25
Aro móvel abertura exterior ou pivotante



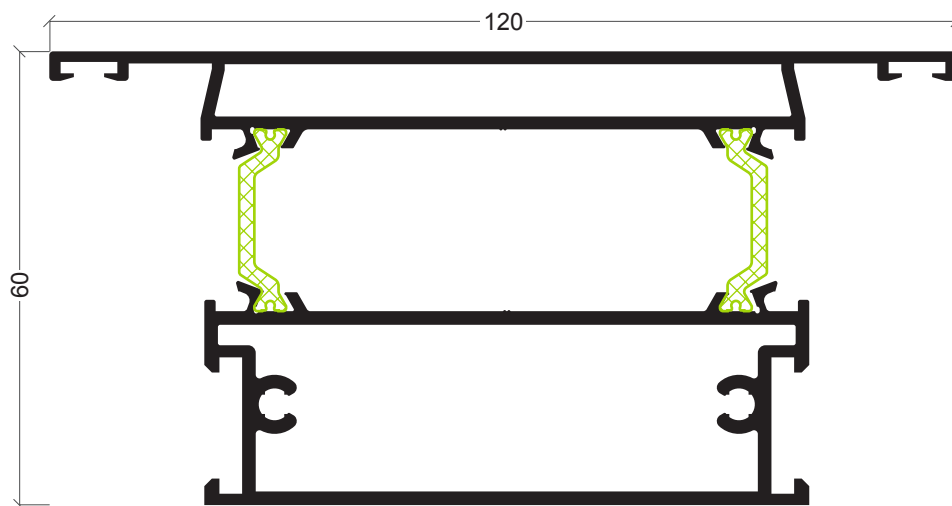
ARi-07
Aro móvel projectante



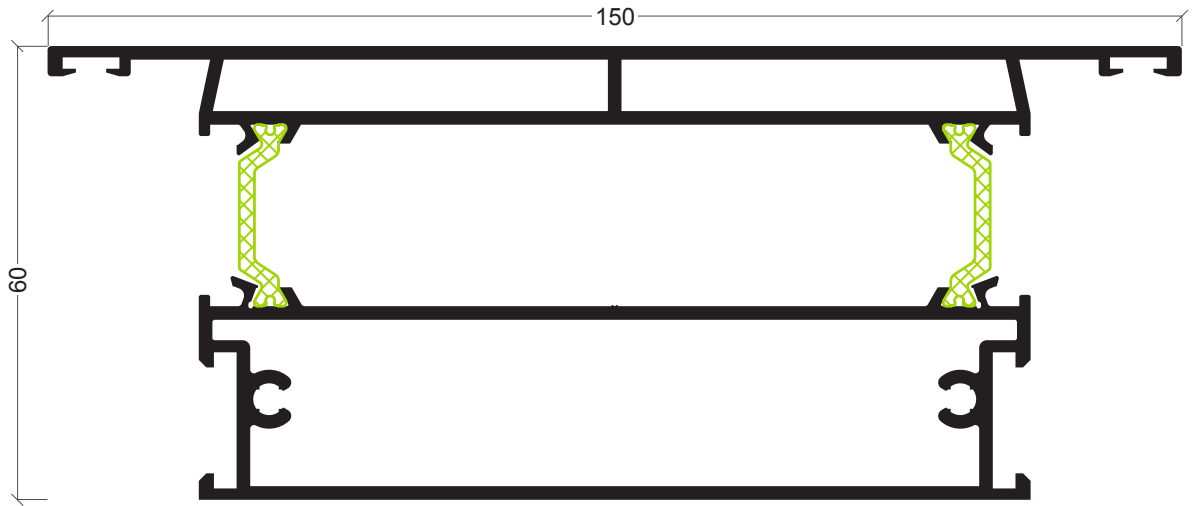
ARi-01
Travessa



ARi-06
Travessa

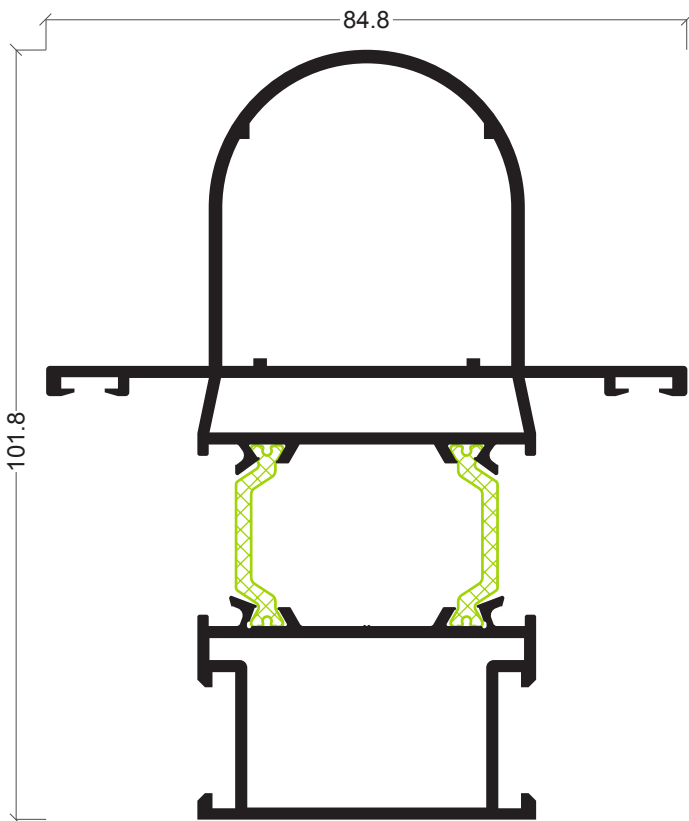


ARi-12
Travessa

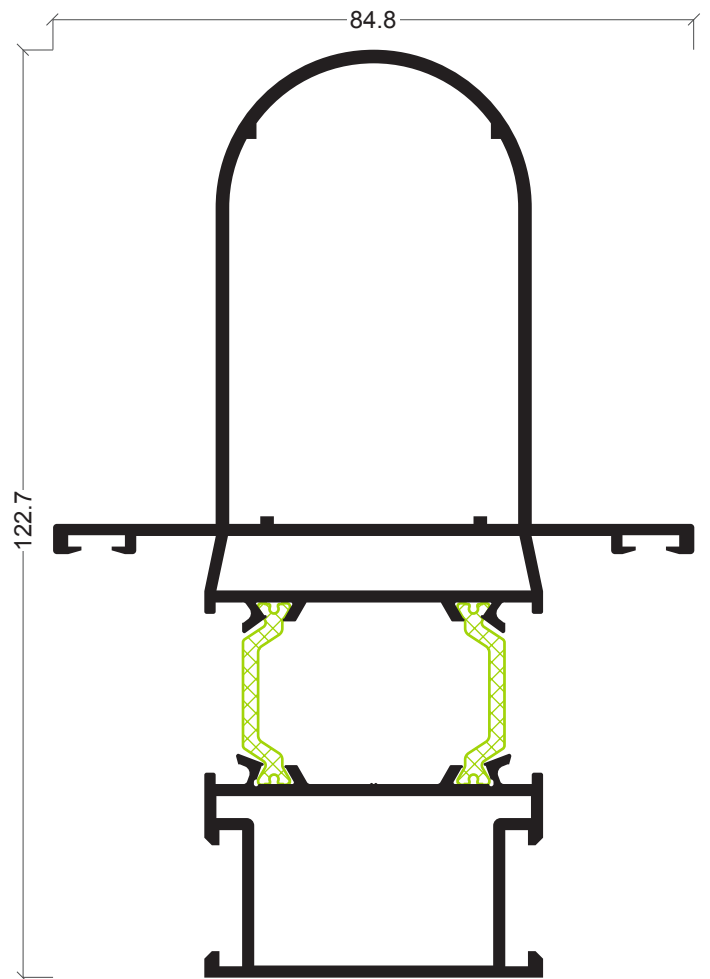


ARi-13
Travessa

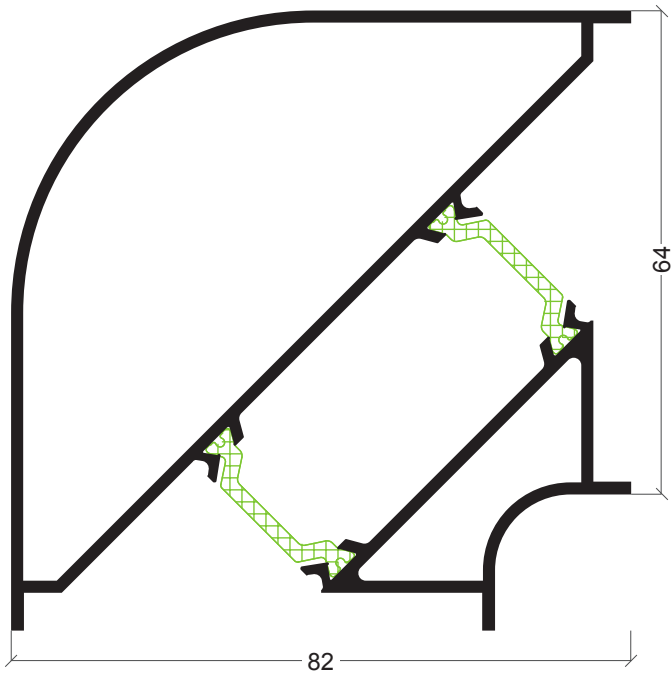
10



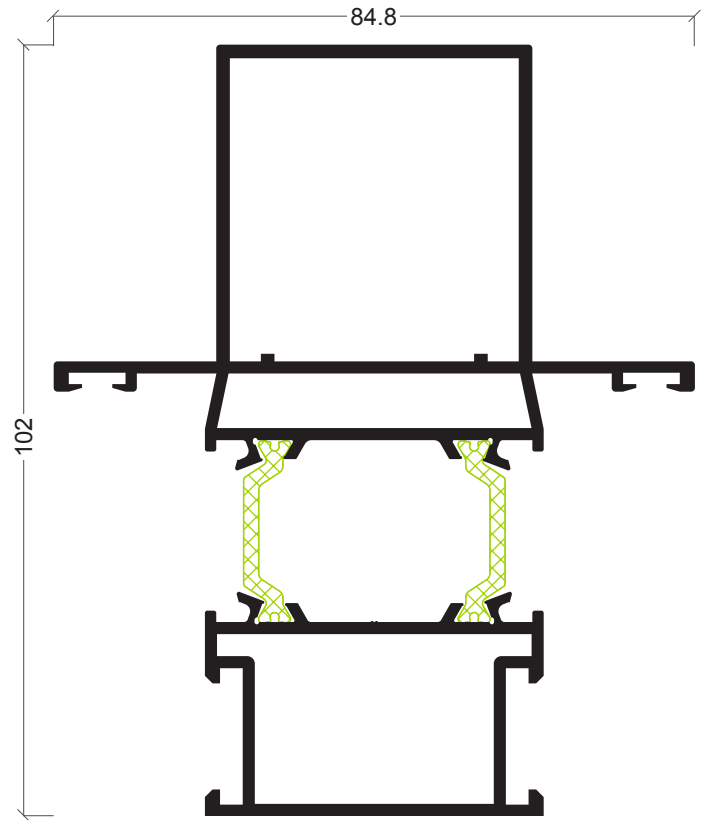
ARi-17
Montante curvo



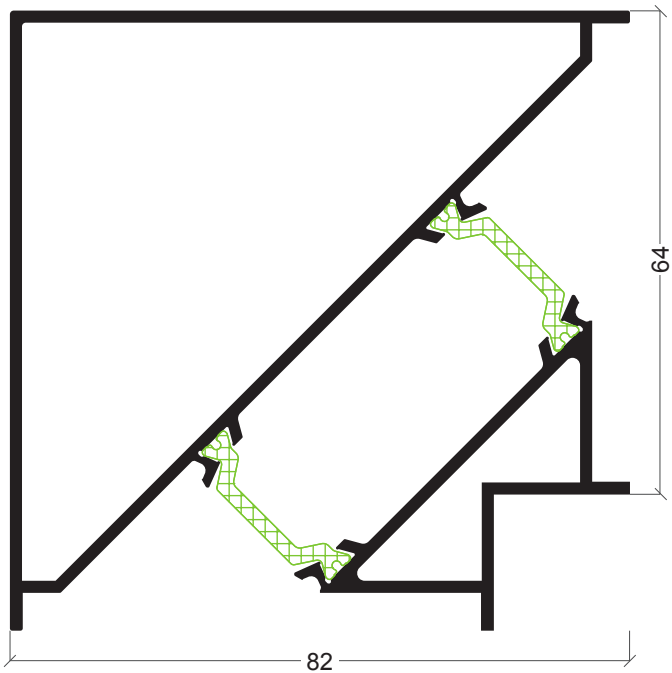
ARi-18
Montante curvo



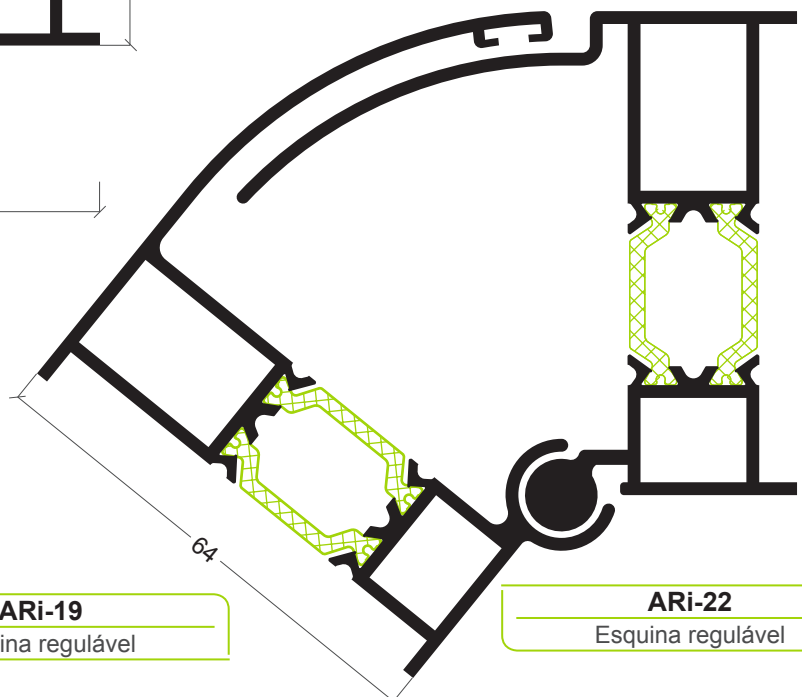
ARi-16
Esquina 90°



ARi-79
Montante recto

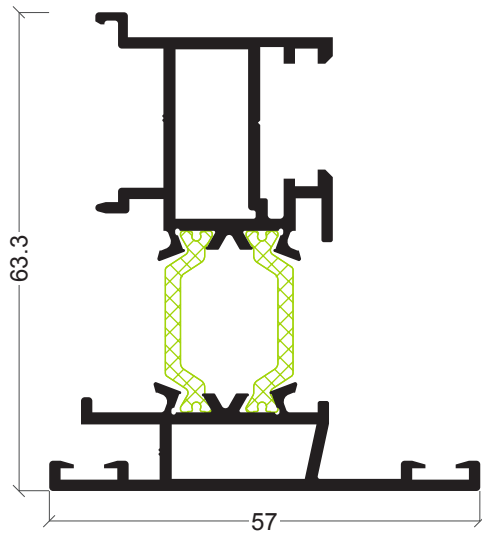


ARi-64
Esquina 90°

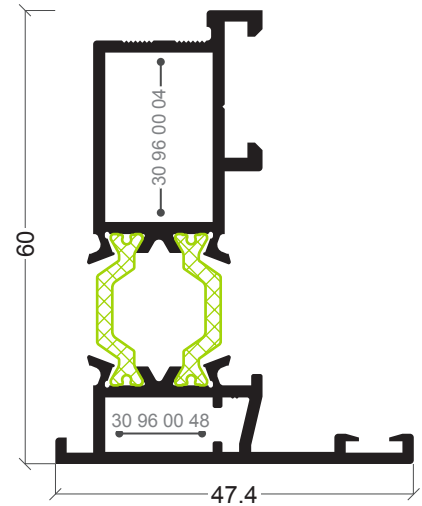


ARi-19
Esquina regulável

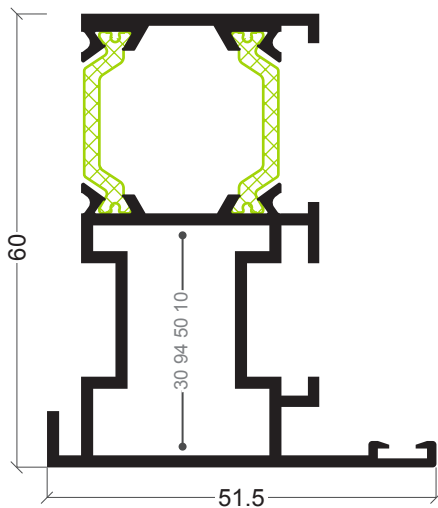
ARi-22
Esquina regulável



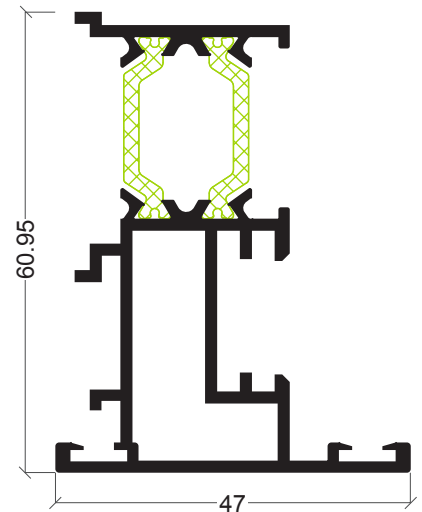
ARi-04
Inversor



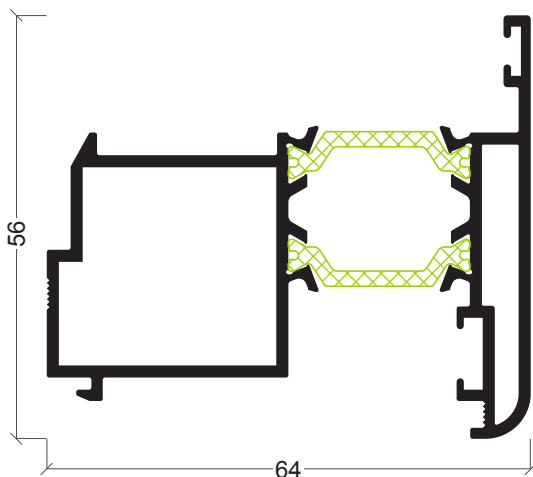
ARi-73
Inversor de sentido de abertura



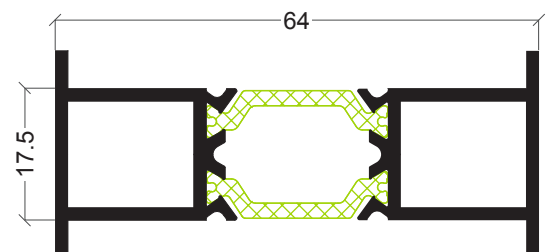
ARi-14
Inversor pivotante



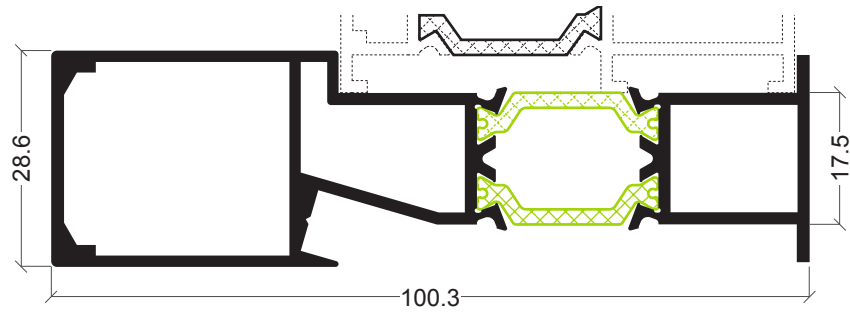
ARi-15
Inversor para ARi-25



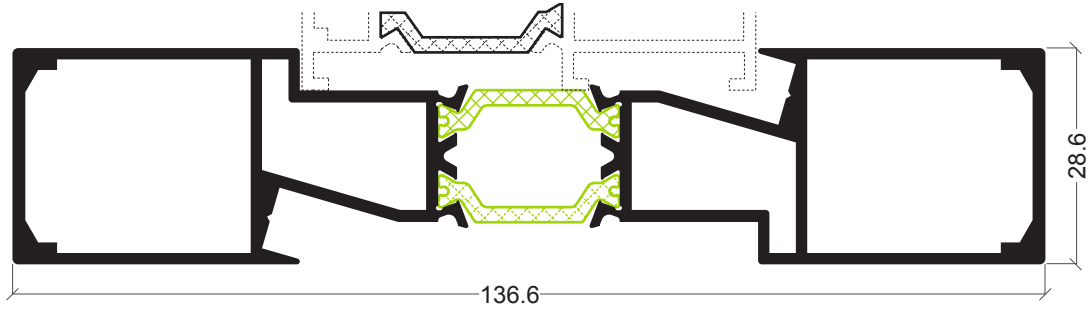
ARi-51
Inversor projectante



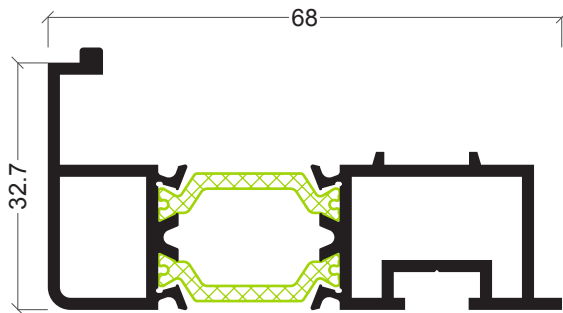
ARi-21
União de aros



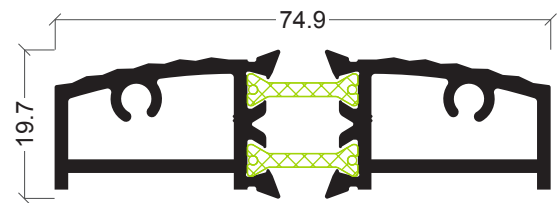
ARi-65
União de aros com reforço



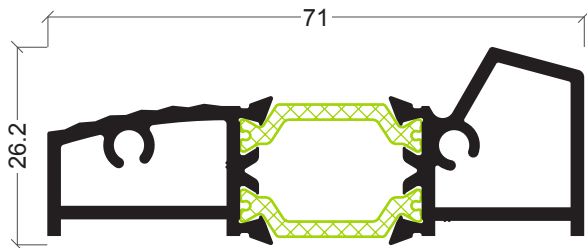
ARi-67
União de aros com reforço



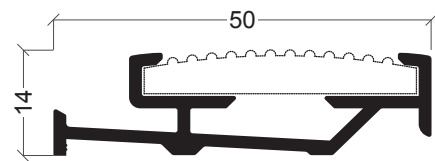
ARi-23
Remate almofada



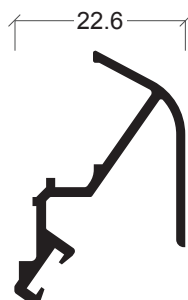
AXi-69
Remate inferior porta



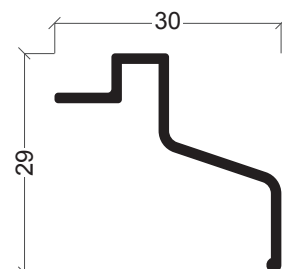
ARi-63
Remate inferior porta



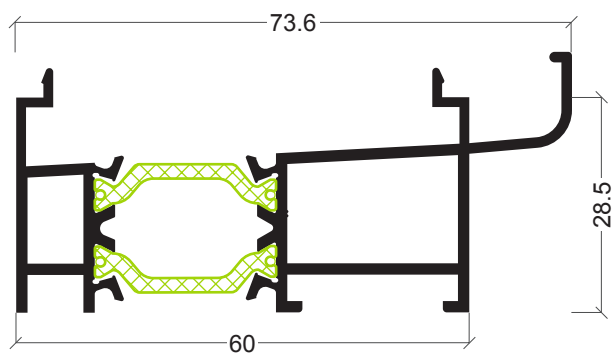
AZ-69
Remate inferior porta



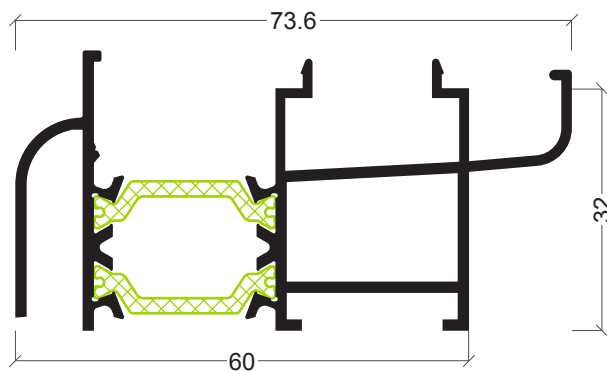
ARi-62
Pingadeira inferior porta



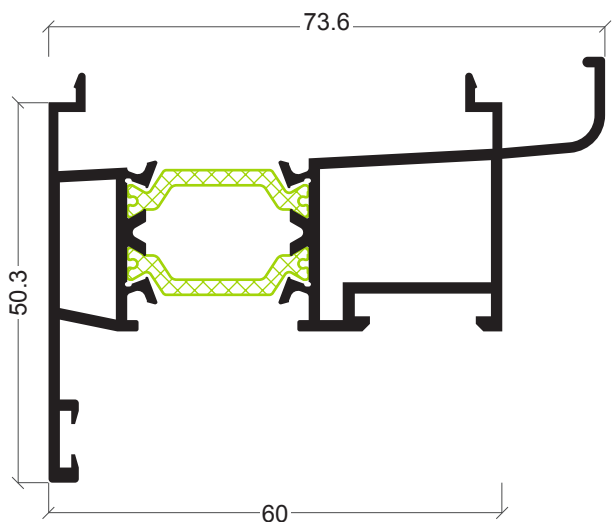
AXi-45
Pingadeira



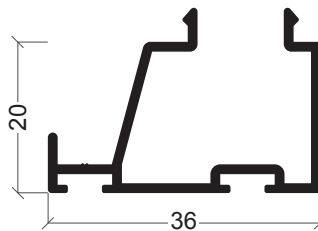
CT-11
Soleira condensação



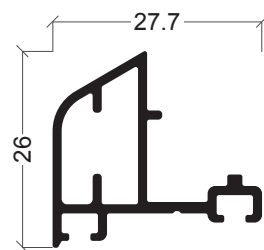
ARi-49
Soleira condensação



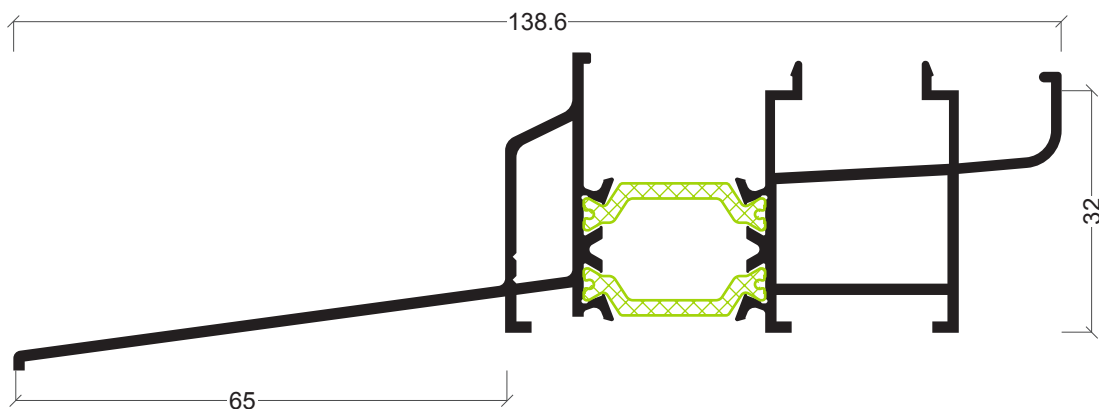
ARi-20
Soleira condensação com fixo inferior



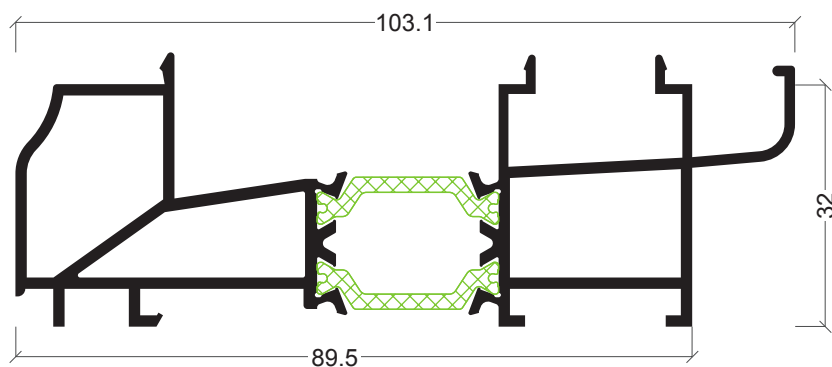
AX-15
Bite remate



AZ-79
Pingadeira



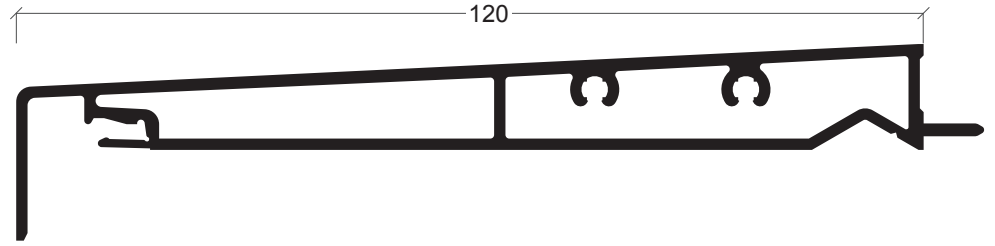
ARi-50
Soleira condensação com pingadeira



ARi-56
Soleira condensação tradição



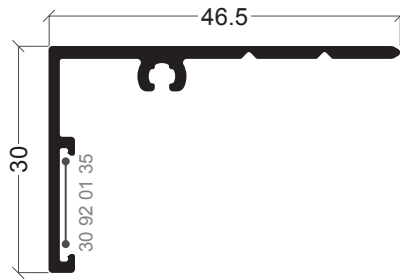
AXi-91
Complemento remate



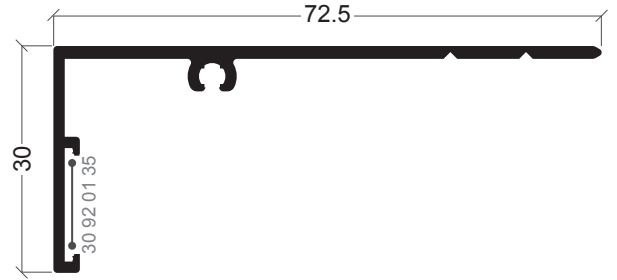
AXi-74
Remate soleira



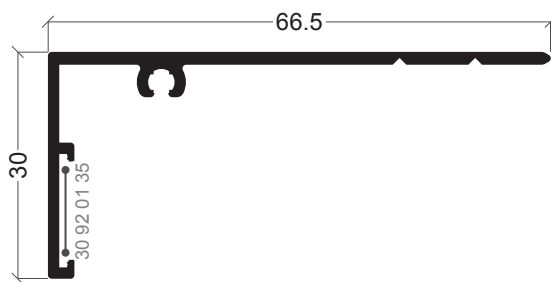
AXi-88
Complemento remate



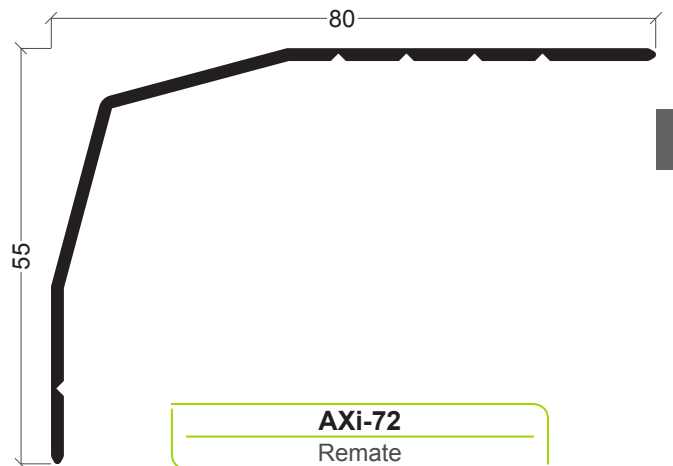
AXi-80
Remate



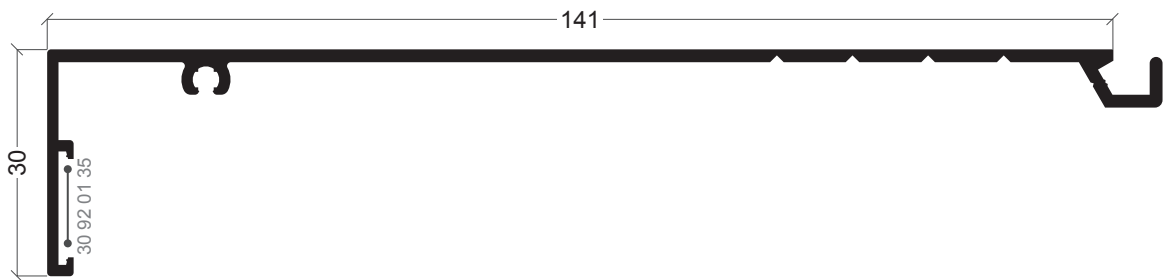
AXi-83
Remate



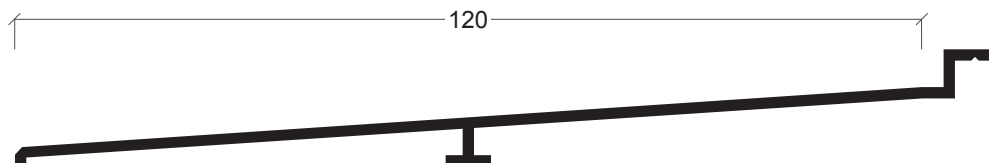
AXi-73
Remate



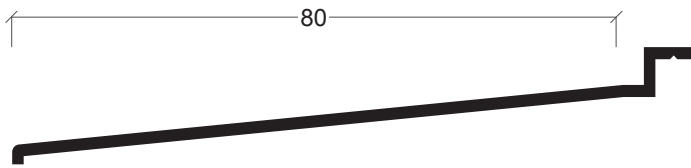
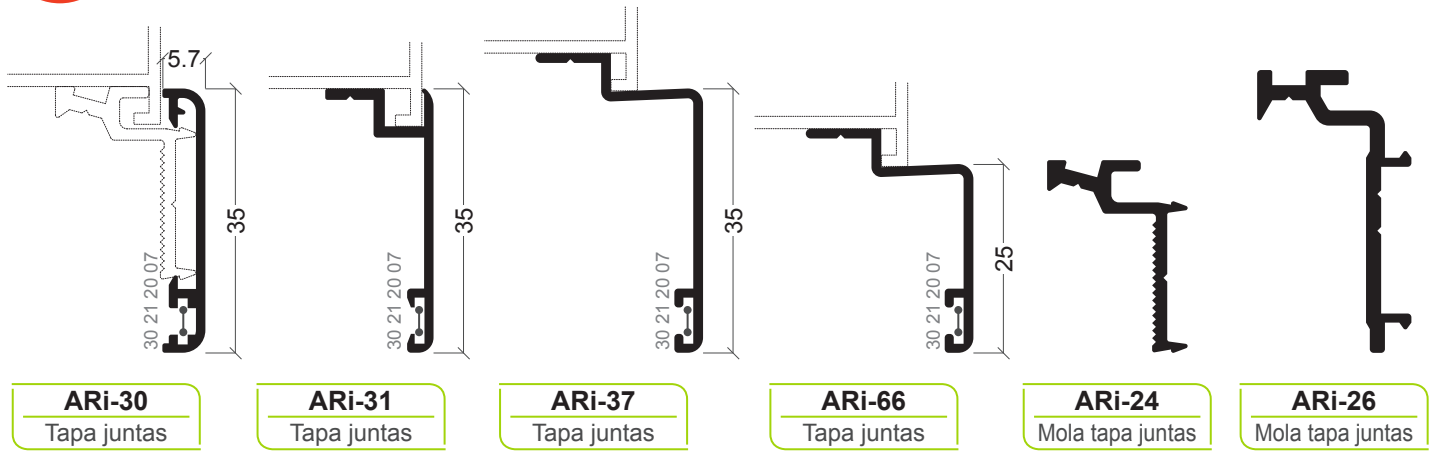
AXi-72
Remate



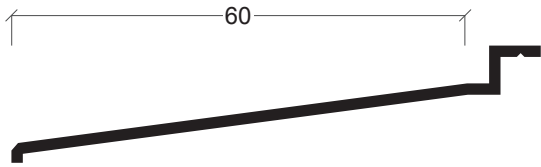
S-09
Remate



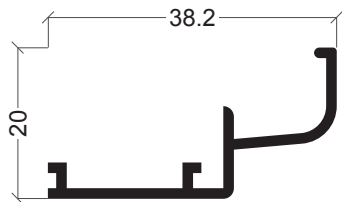
AZ-24
Pingadeira 120 mm



AZ-30
Pingadeira 80 mm



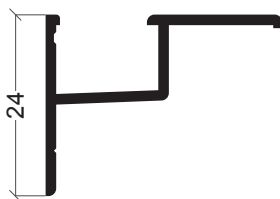
AZ-23
Pingadeira 60 mm



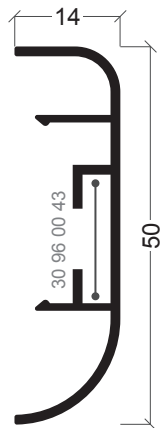
ARi-32
Complemento condensação



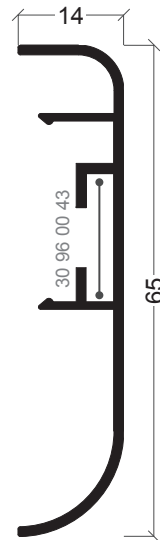
AXi-32
Complemento abertura projectante



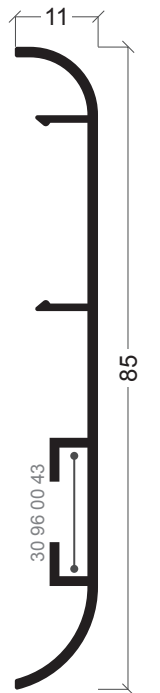
Y-20
Recolha de águas condensação



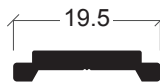
ARi-27
Tapa juntas



ARi-34
Tapa juntas



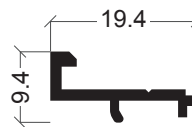
ARi-28
Tapa juntas



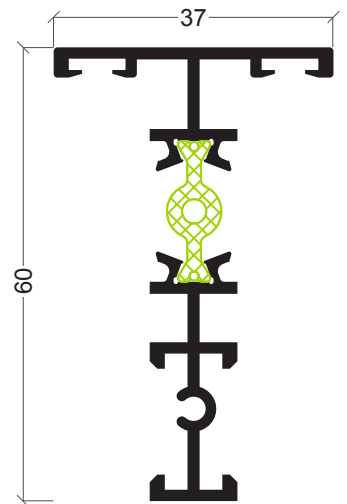
AX-19
Vareta



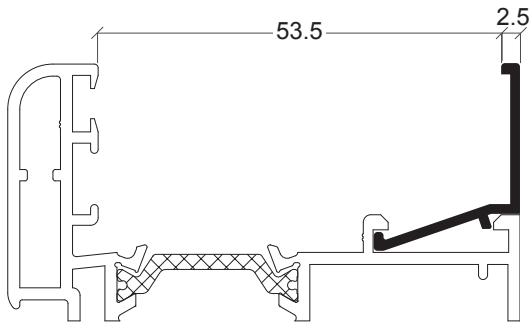
AX-33
Mola Bite



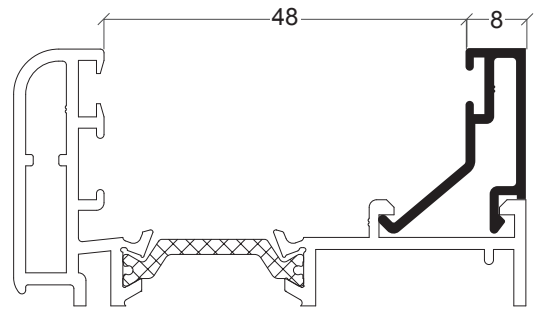
ARi-29
Apoio bite ARi-07



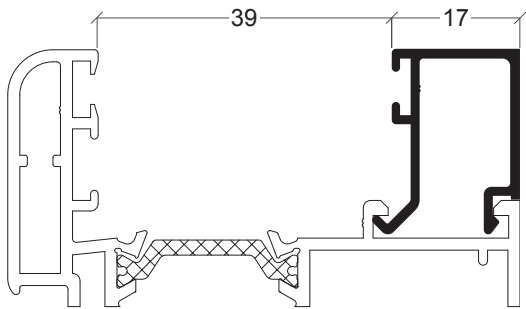
ARi-40
Divisor de vidro



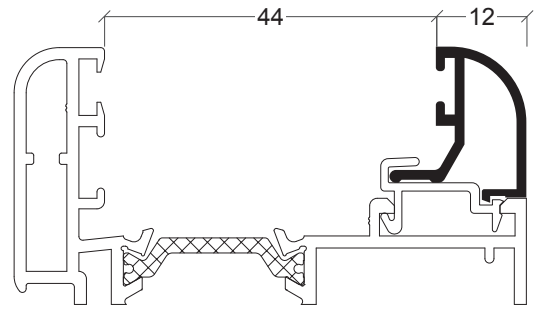
AX-69



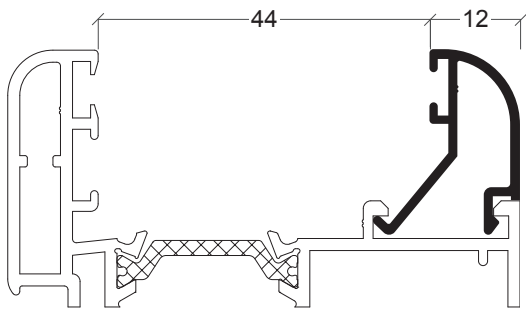
AX-74



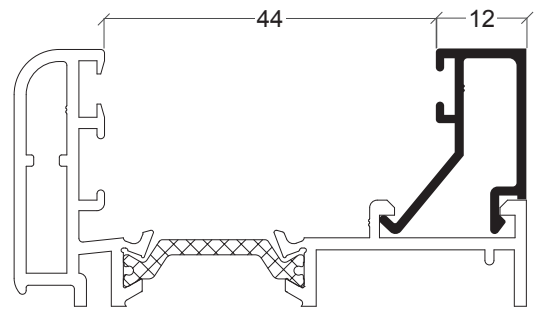
AX-46



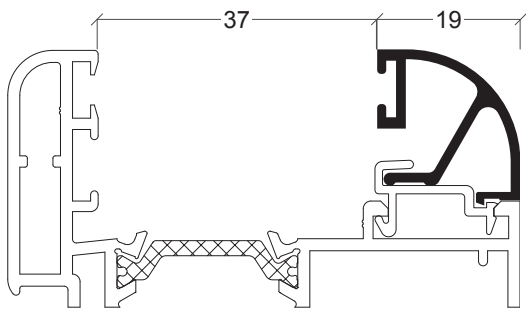
AX-37



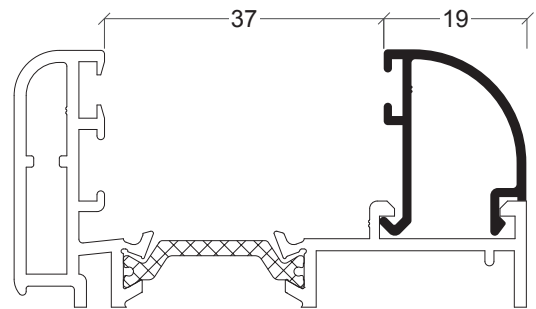
AZ-08



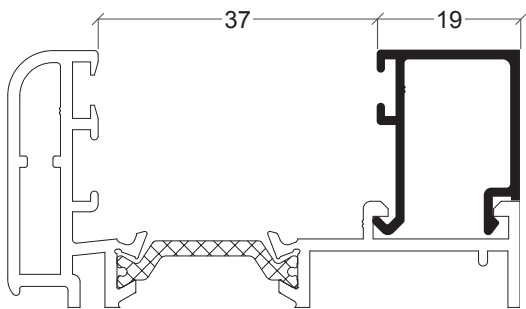
AX-36



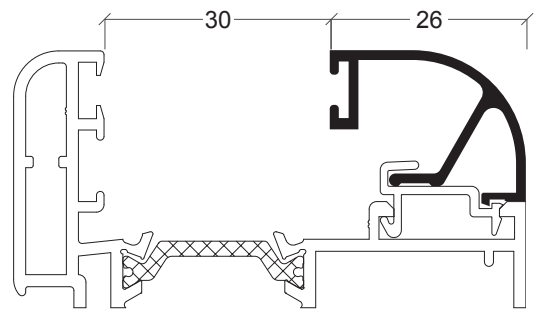
AX-30



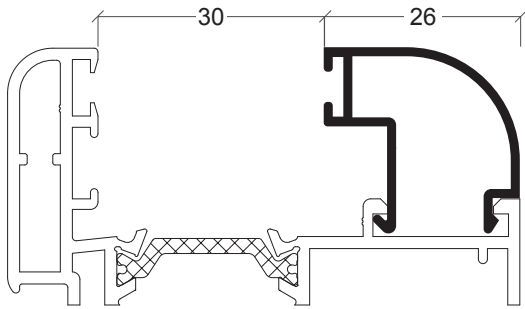
AZ-07



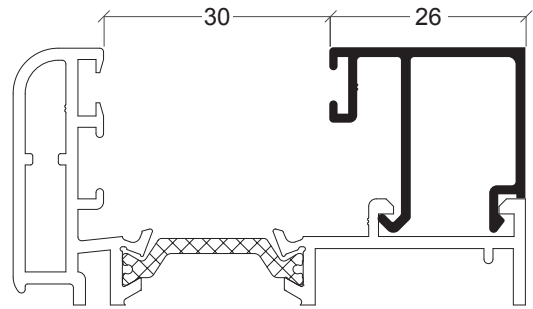
AX-35



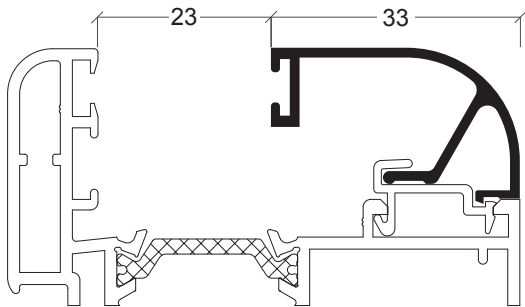
AX-29



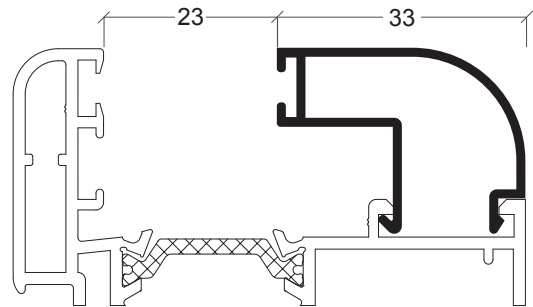
AZ-06



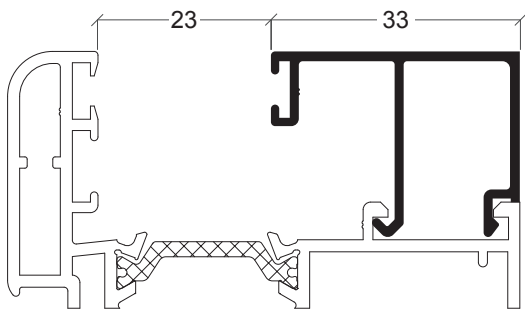
AX-31



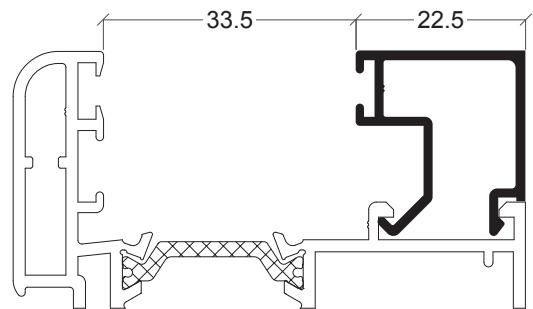
AX-39



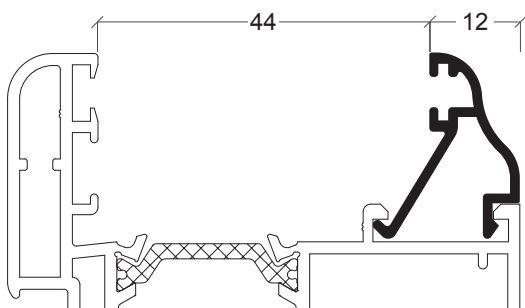
AZ-28



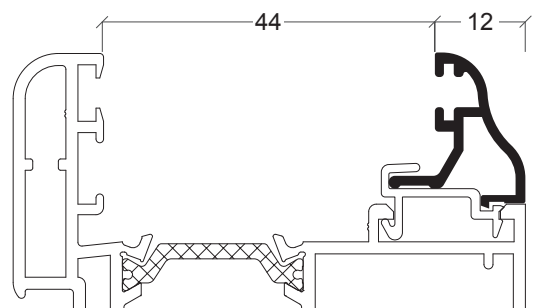
AX-34



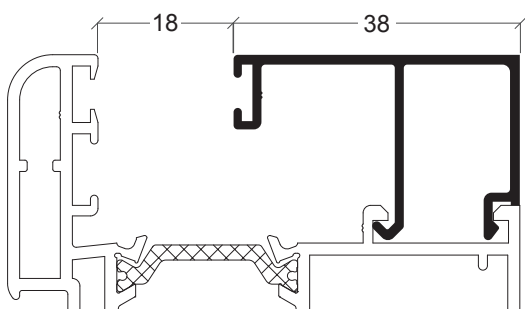
AX-78



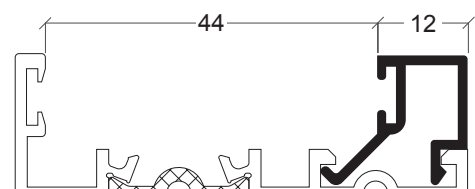
AX-73



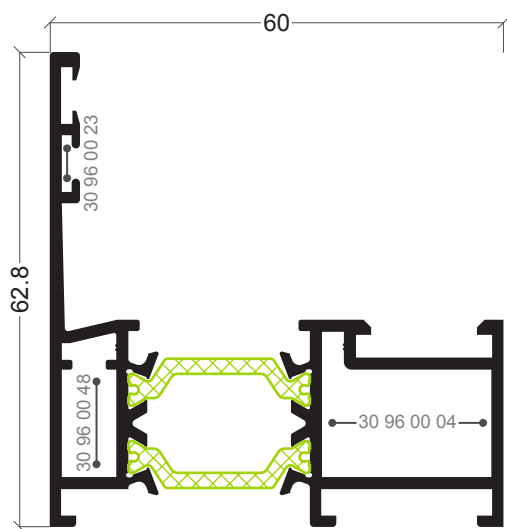
AX-72



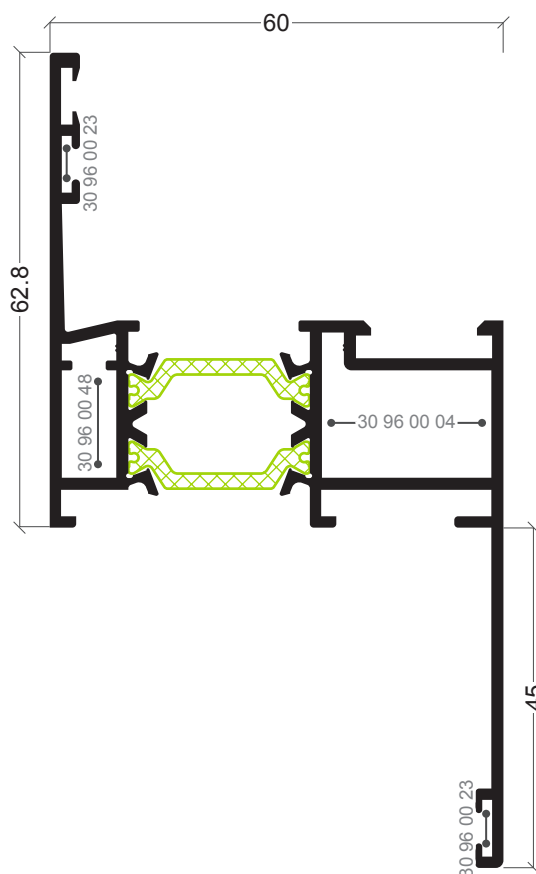
AX-32



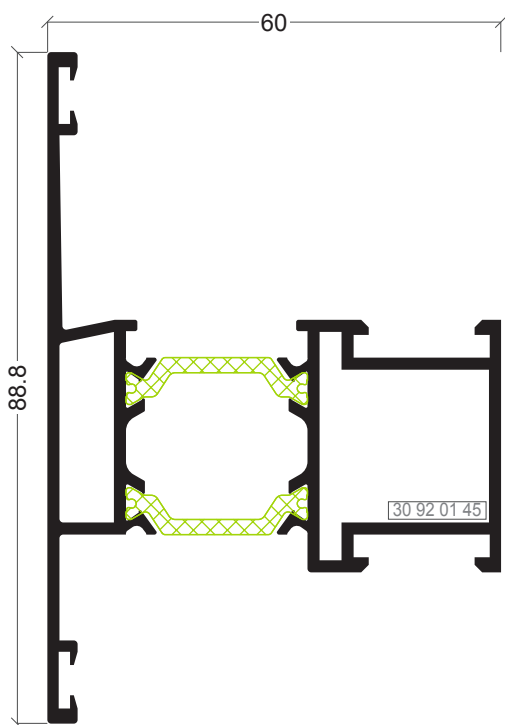
AX-70



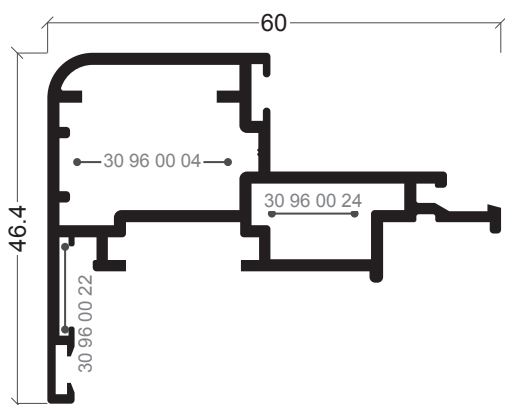
ARi-43
Aro fixo folha oculta



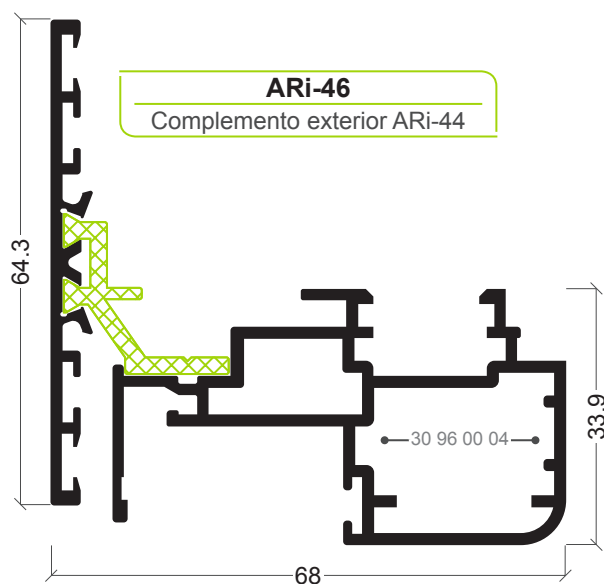
ARi-42
Aro fixo com remate folha oculta



ARi-41
Travessa folha oculta



ARi-45
Aro móvel folha oculta

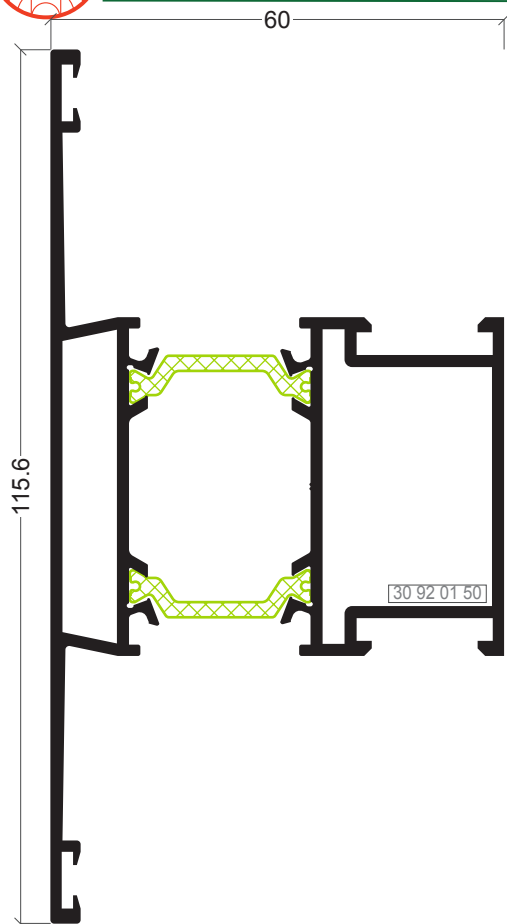


ARi-46
Complemento exterior ARi-44

ARi-44
Aro móvel inversor folha oculta

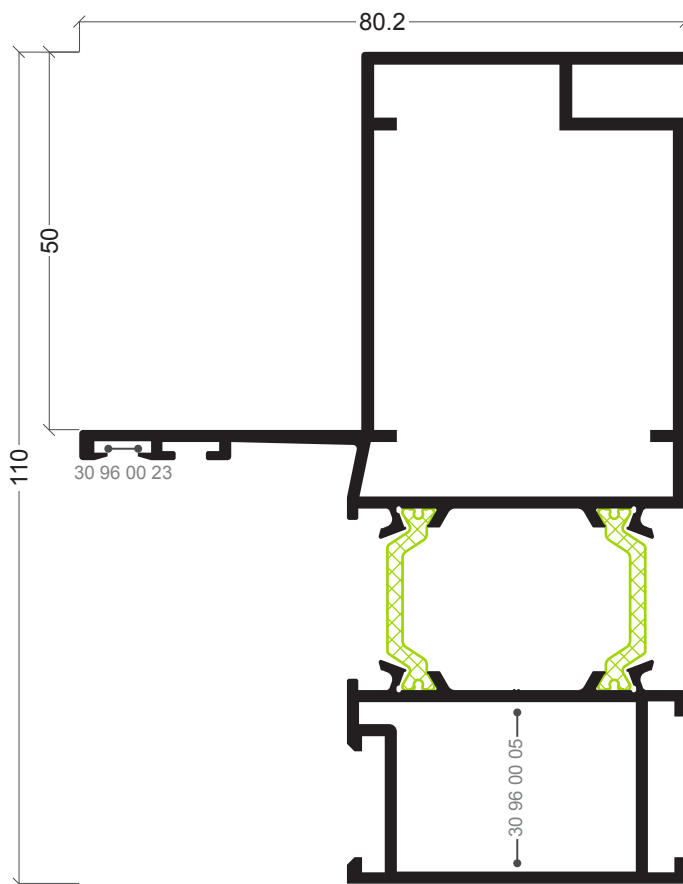


ARi Folha Oculta



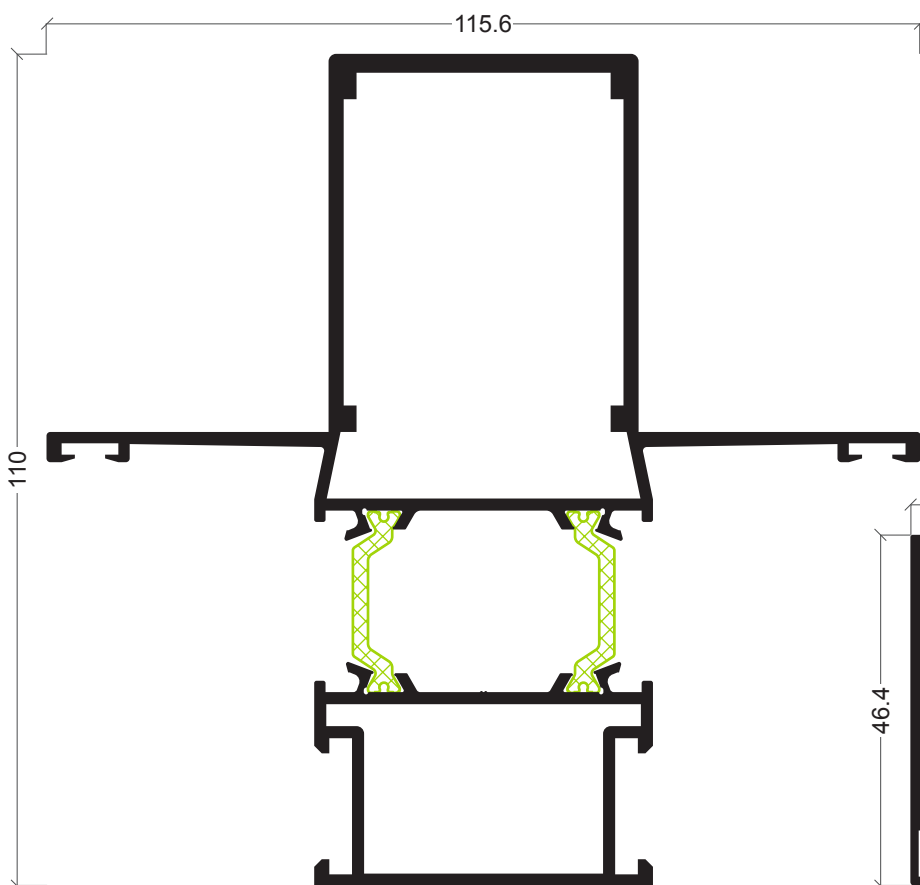
ARi-70

Travessa



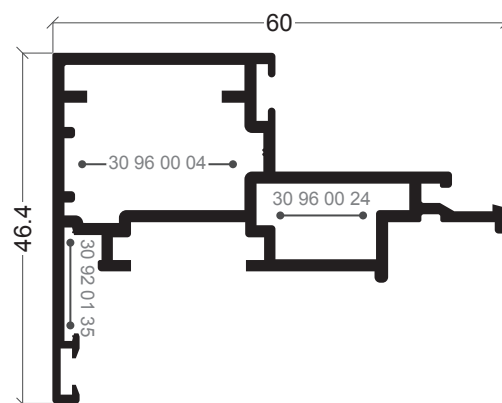
ARi-55

Aro fixo montante



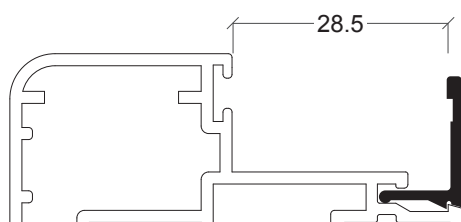
ARi-54

Montante

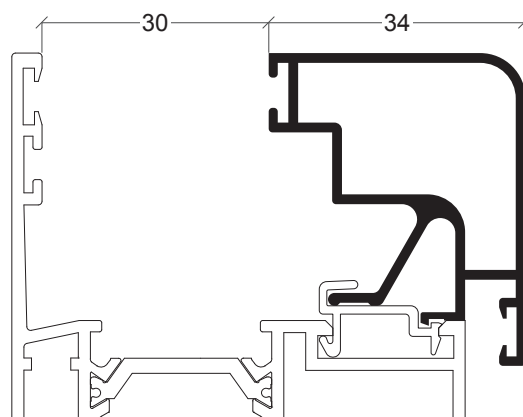


ARi-71

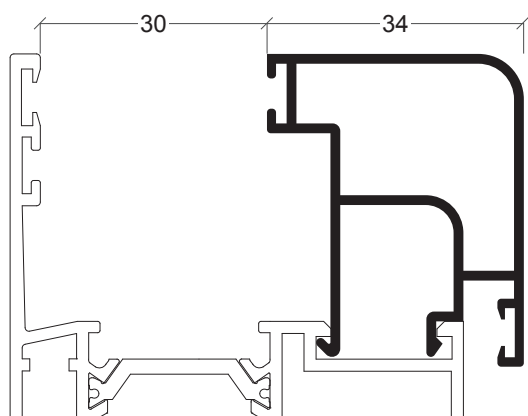
Móvel para vãos de 1 folha ou 1 folha + fixo



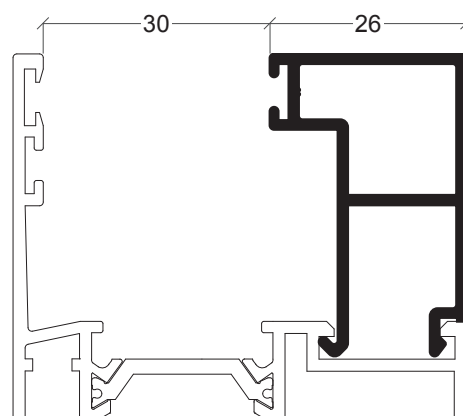
ARi-47



ARi-53

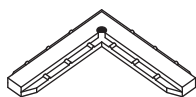


ARi-52



ARi-48


30 00 95 71

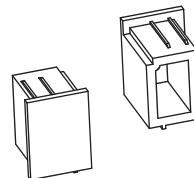
 Compasso projectante
deslizante até 100 kg/folha

30 21 20 07

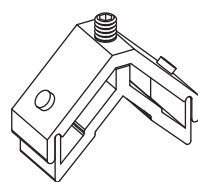
 Esquadro de
alinhamento

30 90 20 42

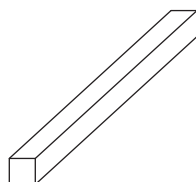
Ângulo de reenvio


30 90 20 44

 Transmissão para
abertura exterior

30 91 21 20

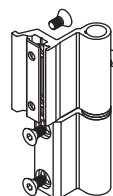
 Jogo topos condensação
para Y-20

30 91 40 15

Esquadro aro fixo ARI-38


30 91 41 23

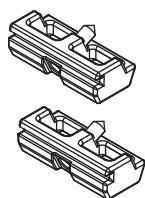
Perno 7x131 mm


30 91 41 47/48

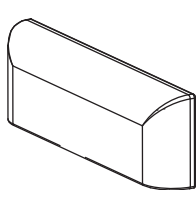
 Cremone pivotante especial
branco/preto

30 92 00 20/21

 Dobradiça C.E. branco/
preto

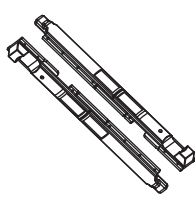
30 92 00 26/27/28

 Dobradiça três nós
(bruto/branco/preto)

30 92 00 50

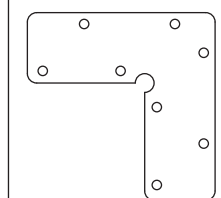
Contra-fecho

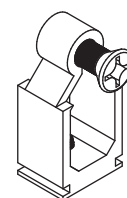

30 92 01 00/01

Goteiras preto/branco

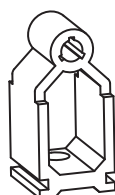

30 92 01 20

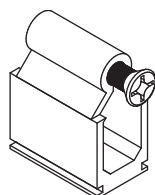
Jogo fecho C.E.


30 92 01 35

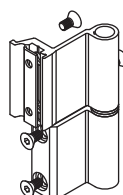
 Esquadro alinhamento
móvel

30 92 01 40

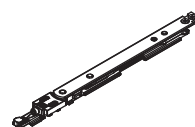
União topos janela

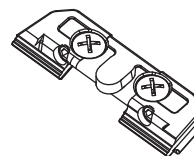

30 92 01 45

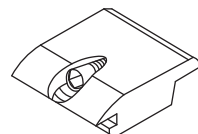
 União topos janela folha
oculta

30 92 01 50

União topos porta

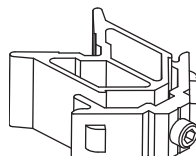

30 92 01 70/80

 Dobradiça 3 folhas
branco/preto

30 92 02 10/11/12

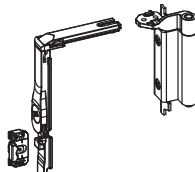
 Compasso oscilo
300/400/500

30 92 02 15

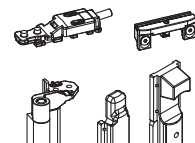
 Fecho para micro-
ventilação

30 92 02 60

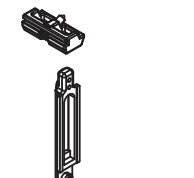
Apoio da folha


30 92 03 90

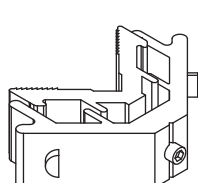
Esquadro porta


30 92 02 20/21

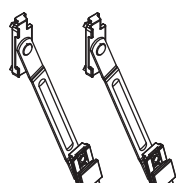
 Kit oscilobatente branco/
preto

30 92 02 24/25

 Kit 2ª folha OB branco/
preto

30 92 03 10/11

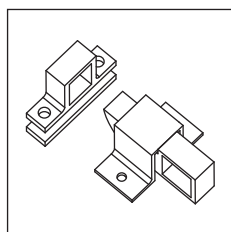
Kit cremone branco/preto

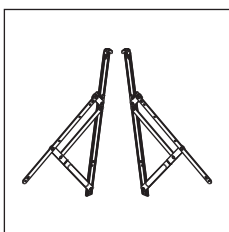

30 92 04 25

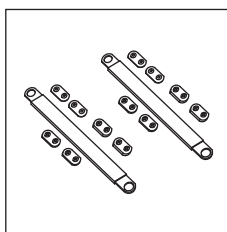
Esquadro ARI-80


30 92 04 75

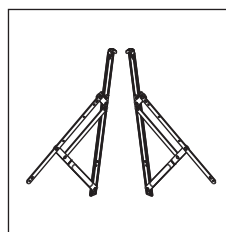
 Jogo compasso
basculante

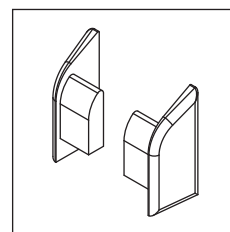

30 92 04 76/77

 Fecho clack (branco/
preto)

30 92 04 80

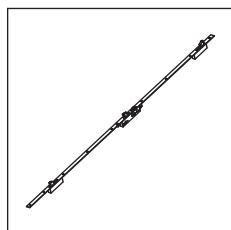
 Compasso projectante
deslizante até 50 kg/folha

30 92 04 85

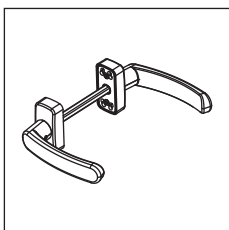
Jogo compasso

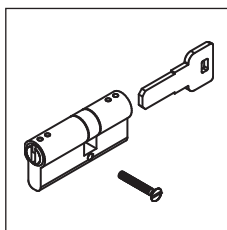

30 92 04 90

 Compasso projectante
deslizante até 70 kg/folha

30 92 05 00

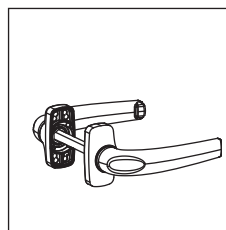
Jogo topos

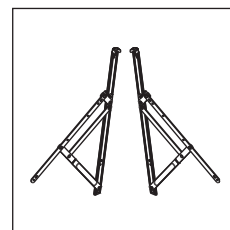

30 92 05 10

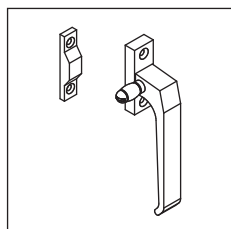
 Fechadura 3 pontos
(35 mm)

30 92 05 15

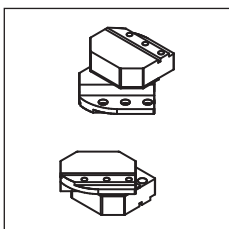
 Fecho de alavanca com
5 pontos de fecho

30 92 05 50

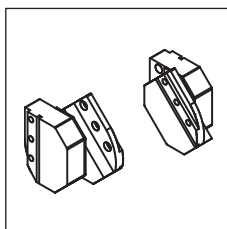
Canhão fechadura

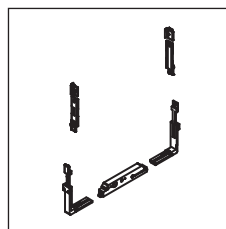

30 92 05 60/61

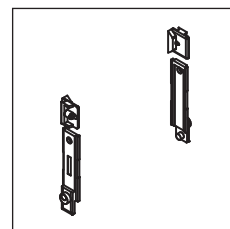
 Puxador duplo branco/
preto

30 92 06 00

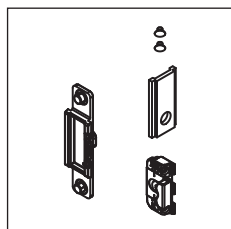
 Compasso projectante
deslizante até 20 kg/folha

30 92 06 10/11

 Cremone de lingueta
branco/preto

30 92 07 12

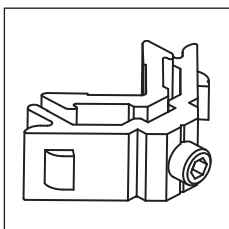
 Jogo pivotante vertical
especial ARi preto (130 kg)

30 92 07 13

 Jogo pivotante horizontal
especial ARi preto (130 kg)

30 92 07 16

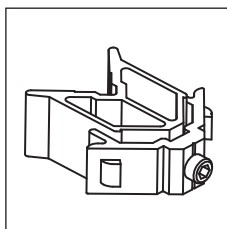
 Fecho perimetral
pivotante especial

30 92 07 17

 Fecho suplementar
pivotante especial

30 92 22 43

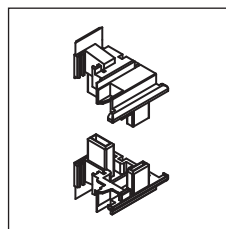
Ponto fecho suplementar


30 96 00 04

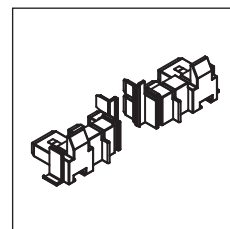
Esquadro janela


30 96 00 05

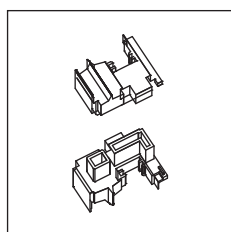
Esquadro aro fixo porta

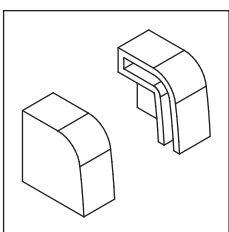

30 96 00 08

Jogo topos inversor ARi

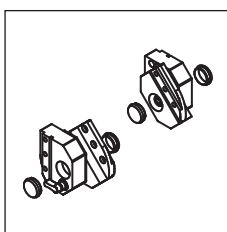

30 96 00 10

Jogo topos ARi-23

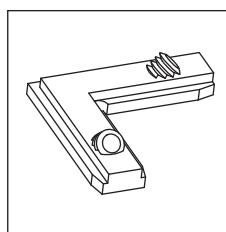

30 96 00 11

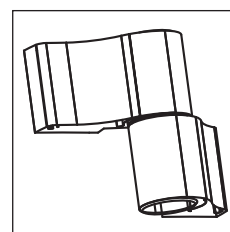
 Jogo topos inversor
abertura exterior ARi-15

30 96 00 12

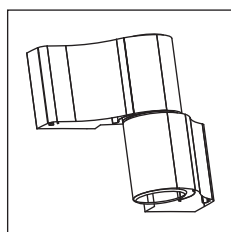
Jogo topos condensação

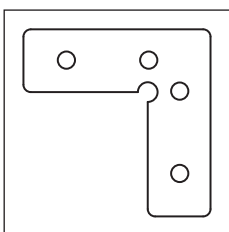

30 96 00 13

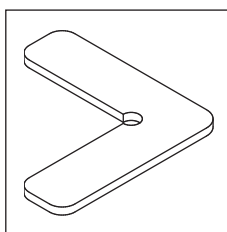
Jogo pivotante (60 kg)

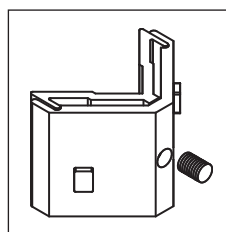

30 96 00 15

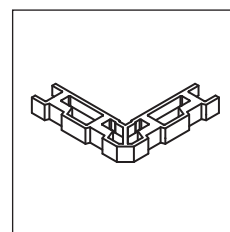
 Esquadro alinhamento
móvel

30 96 00 16/20

 Dobradiça lisa (branco/
preto)

30 96 00 17/21

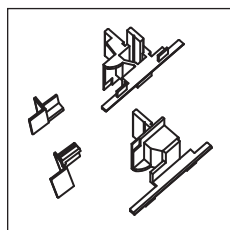
 Dobradiça com ressalto
(branco/preto)

30 96 00 22

 Esquadro alinhamento
especial

30 96 00 23

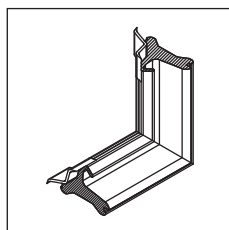
 Esquadro alinhamento
aro fixo

30 96 00 24

 Esquadro exterior móvel
folha oculta

30 96 00 25

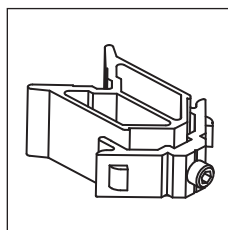
 Esquadro exterior aro
fixo


30 96 00 26

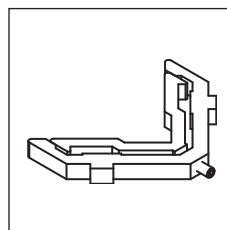
Jogo topos inversor folha oculta


30 96 00 35

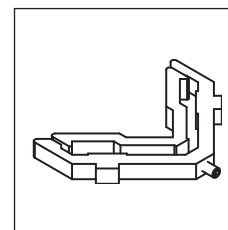
Canto vulcanizado


30 96 00 36

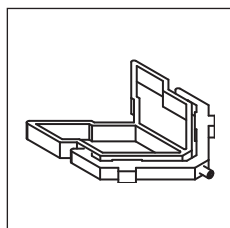
Esquadro aro móvel porta


30 96 00 38

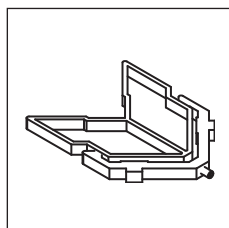
Esquadro alinhamento móvel janela


30 96 00 39

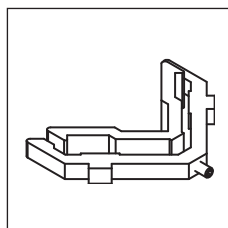
Esquadro para alinhamento fixo janela


30 96 00 40

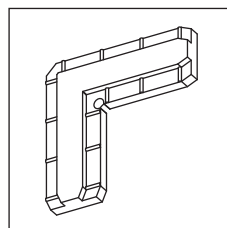
Esquadro alinhamento aro fixo porta


30 96 00 41

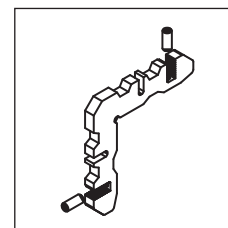
Esquadro alinhamento aro móvel porta


30 96 00 42

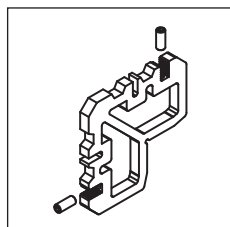
Esquadro perfil ARI-07


30 96 00 43

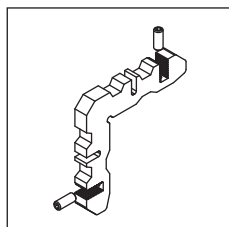
Esquadro alinhamento


30 96 00 45

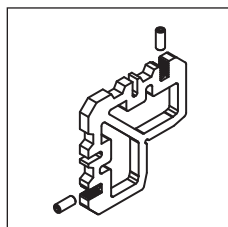
Esquadro de alinhamento 5.2x14 com parafusos


30 96 00 46

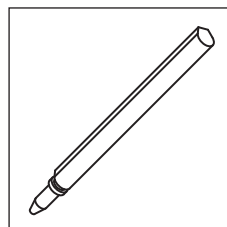
Esquadro de alinhamento 5.2x36 com parafusos


30 96 00 48

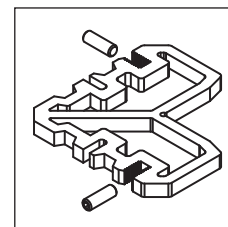
Esquadro de alinhamento 7x14 c/ parafusos


30 96 00 49

Esquadro de alinhamento aro fixo com parafusos

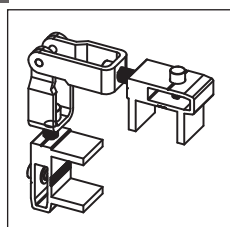

30 96 00 55

Perno alternativo para fixação de esquadro

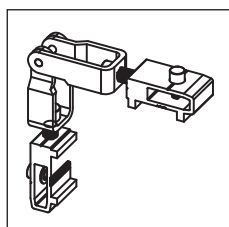

30 96 00 60

Esquadro de alinhamento 5.2x31.6 com parafusos

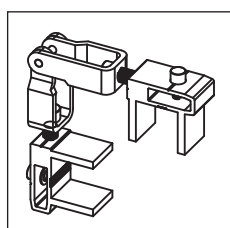
24


30 96 00 64

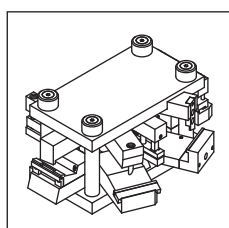
Esquadro Angular 31 ARI-08/59/68/69


30 96 00 68

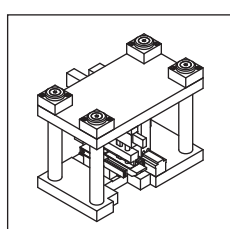
Esquadro Angular 14 ARI-03/05/33/35/57/58/61/74/76/77/81/83/97


30 96 00 69

Esquadro Angular 36 ARI-10/36/60/54


33 96 79 99

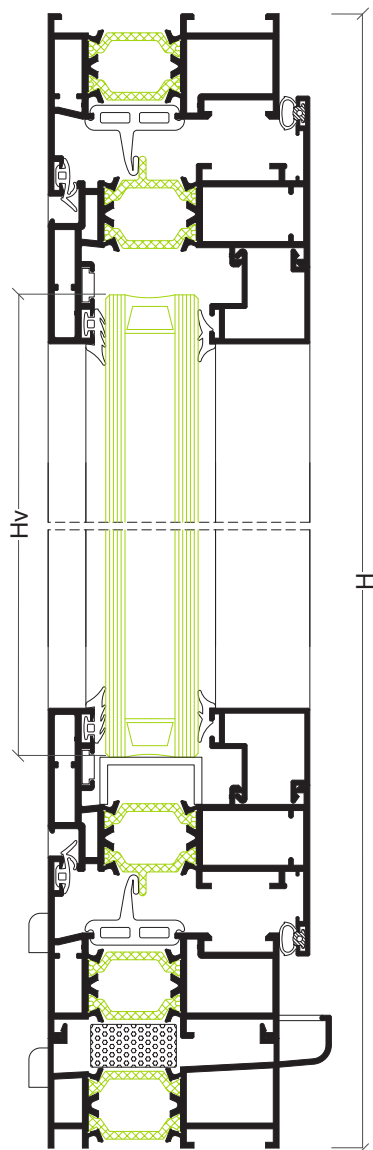
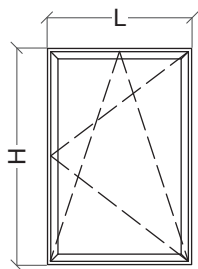
Cunho C.E.


33 96 87 99

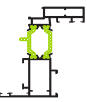
Cunho esquadro interior e exterior ARI/AKi

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

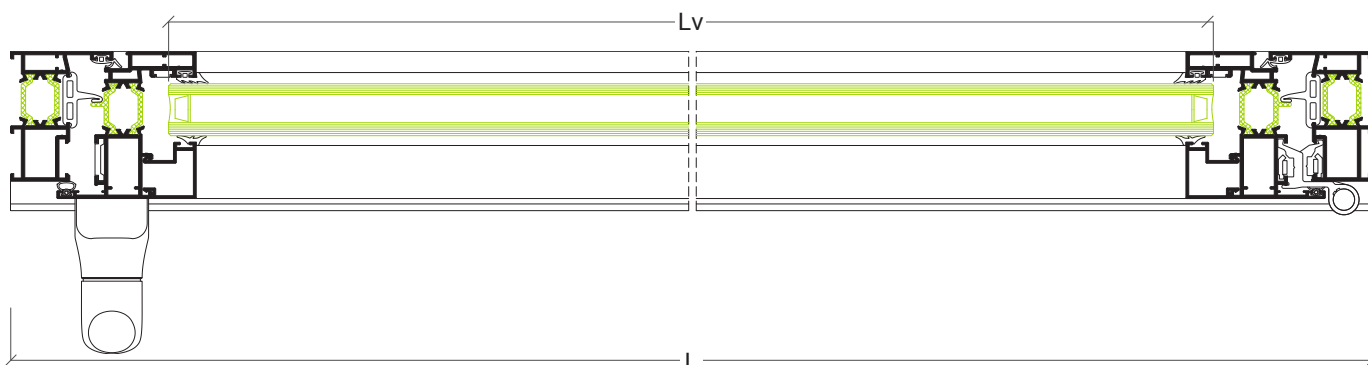
Acessórios e Juntas

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	

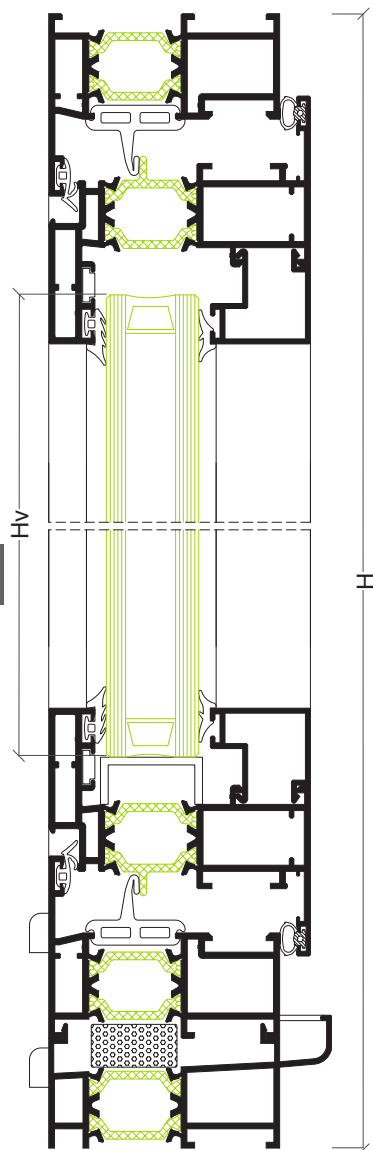
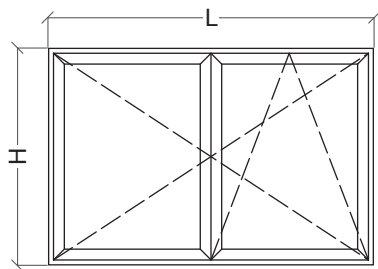
25

Vidro

Hv = H-174 mm	Lv = L-146 mm
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Janela 2 folhas abrir e oscilo-batente



Perfis

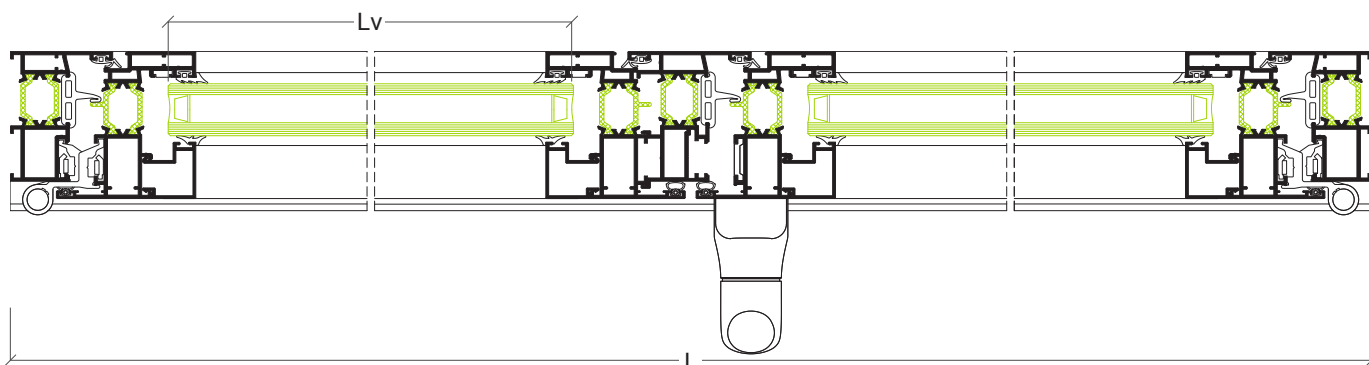
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-03	Aro fixo		2	L
				2	H-28.5 mm
	ARi-61	Aro móvel		2	L/2-24 mm
				2	H-71.5 mm
	ARi-04	Inversor		1	H-139.5 mm
	---	Bite		4	L/2-113 mm
				4	H-200.5 mm
	CT-11	Soleira condensação		1	L
	AX-19	Vareta		1+1	Apro. H+L

Acessórios e Juntas

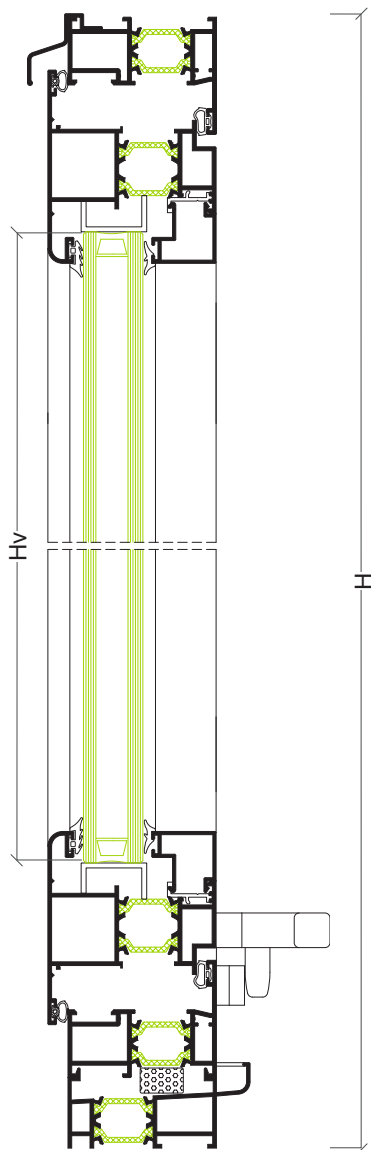
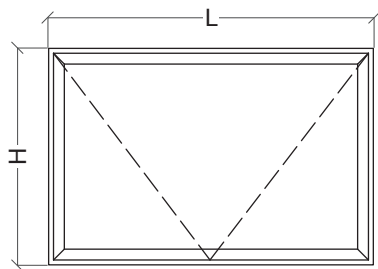
Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 92 00 20	Dobradiças C.E.	4	---
30 92 01 00	Goteiras	4	4
30 92 01 20	Jogo fecho C.E.	1	---
30 92 02 XX	Compasso O.B.	---	1
30 92 02 20	Kit oscilo-batente	---	1
30 92 02 24	Kit 2ª folha oscilo-batente	---	1
30 92 02 60	Apoio da folha	1	---
30 92 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

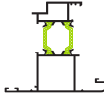
Hv = H-174 mm	Lv = L/2-127 mm
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Janela projectante deslizante



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

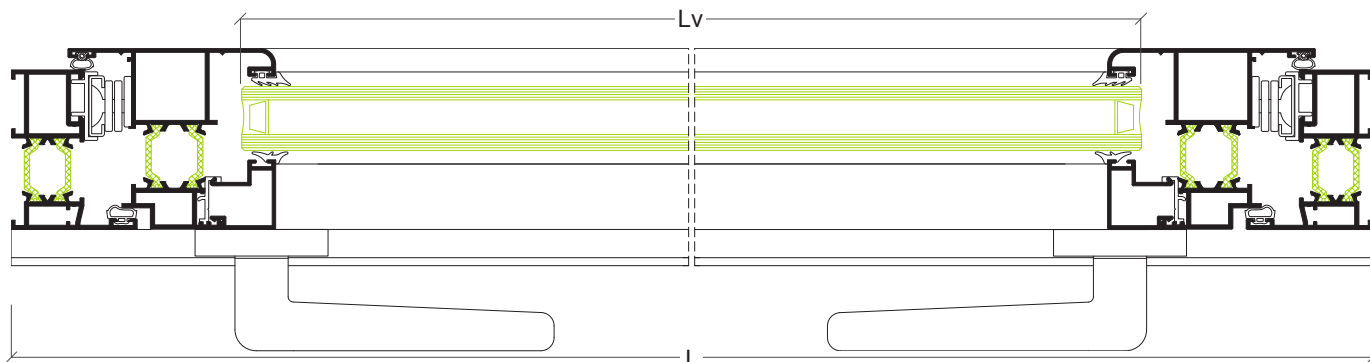
Acessórios e Juntas

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	Cremone 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

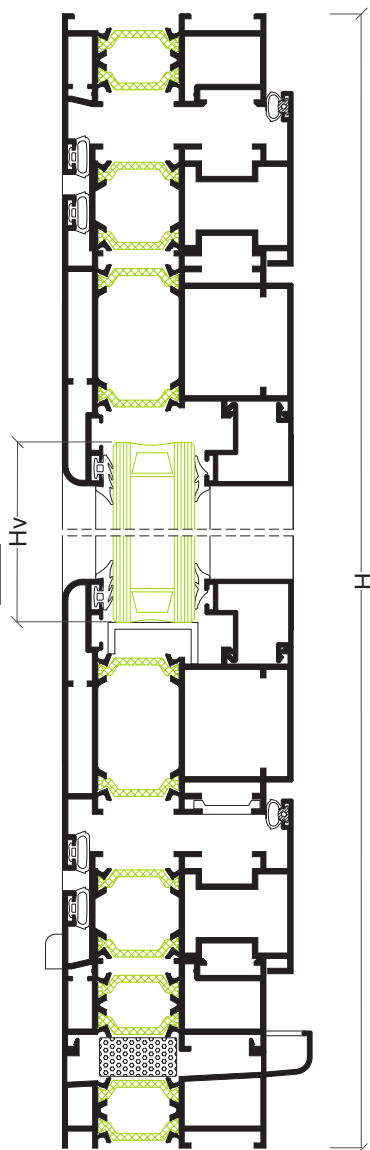
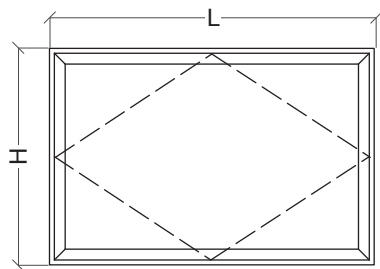
27

Vidro

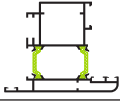
Hv = H-201 mm	Lv = L-173 mm
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Janela pivotante horizontal



Perfis

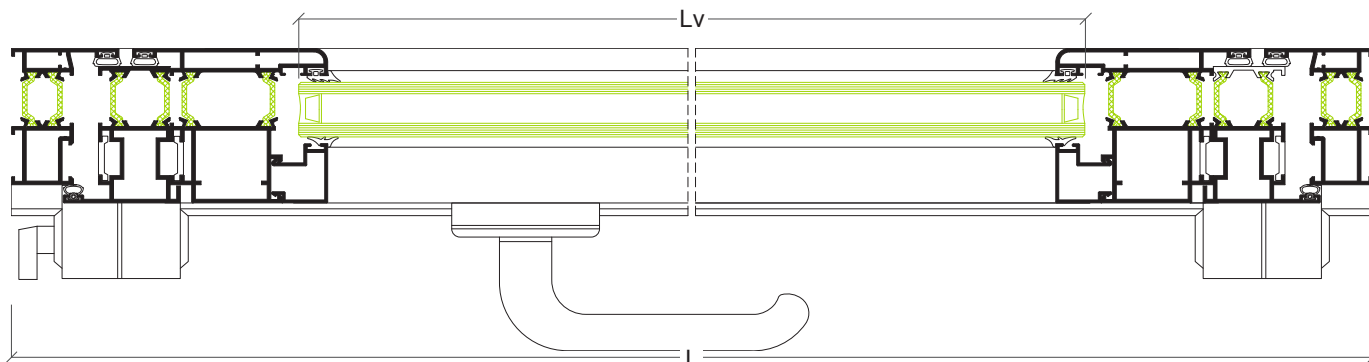
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-03	Aro fixo		2	L
				2	H-28.5 mm
	ARi-25	Aro móvel abertura exterior		2	L-107 mm
				2	H-135.5 mm
	ARi-14	Inversor pivotante superior		1	L-46 mm
				2	H/2-23 mm
	ARi-14	Inversor pivotante inferior		1	L-46 mm
				2	H/2-51.5 mm
	---	Bite		2	L-239 mm
				2	H-307.5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

Acessórios e Juntas

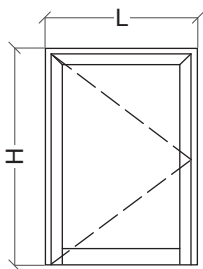
Referência	Descrição	Quantidade
30 92 01 00	Goteiras	4
30 94 50 10	Esquadro inversor	4
30 96 00 04	Esquadro janela	4
30 96 00 05	Esquadro móvel	4
30 96 00 48	Esquadro alinhamento exterior janela	4
30 96 00 12	Jogo topos condensação	1
30 92 07 13	Jogo pivotante horizontal	1
30 92 07 16	Fecho perimetral pivotante	1
30 96 00 15	Esquadro alinhamento móvel	4
30 96 00 49	Esquadro alinhamento móvel	4
30 91 41 48	Cremone	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

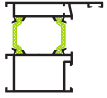
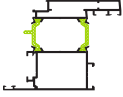
Hv = H-281 mm	Lv = L-253 mm
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Porta 1 folha



Perfis

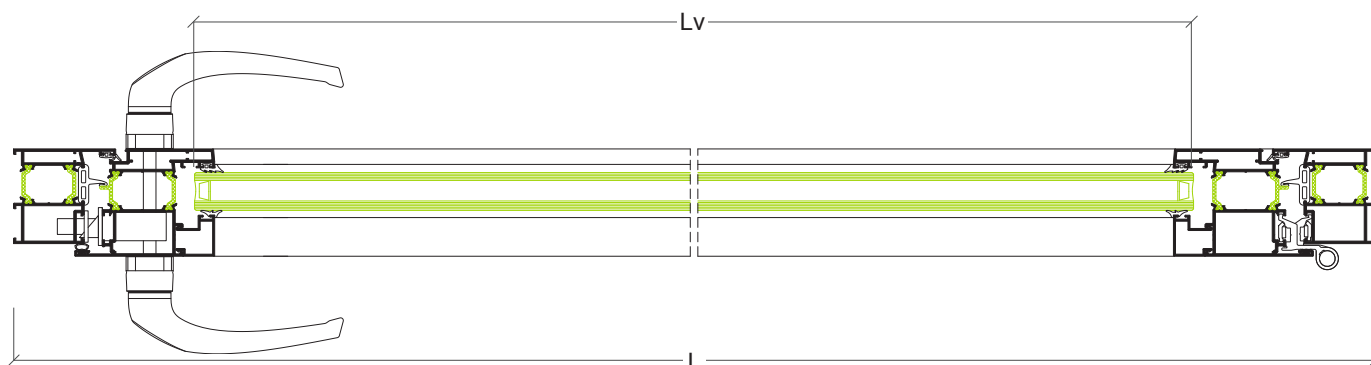
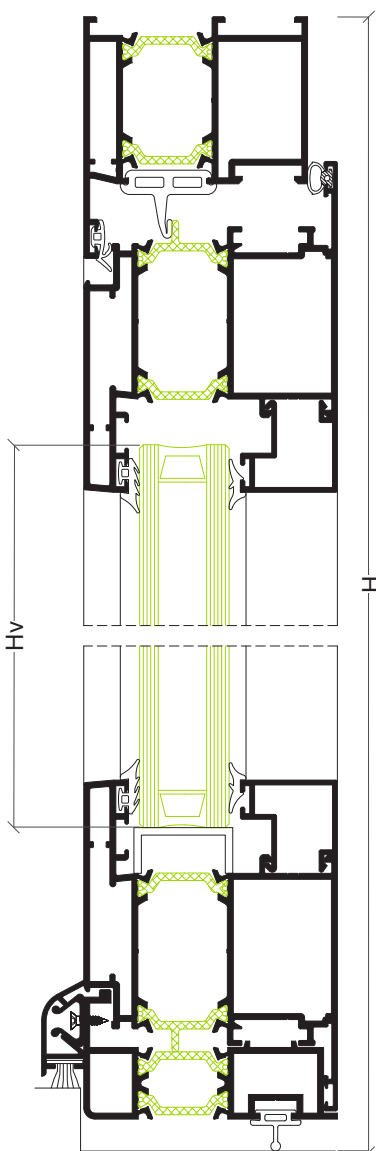
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-08	Aro fixo		1	L
				2	H
	ARi-36	Aro móvel		2	L-78 mm
				2	H-46 mm
	ARi-23	Almofada		1	L-147 mm
	---	Bite		4	L-216 mm
				4	H-226 mm
	AZ-60	Pingadeira		1	L-148 mm

Acessórios e Juntas

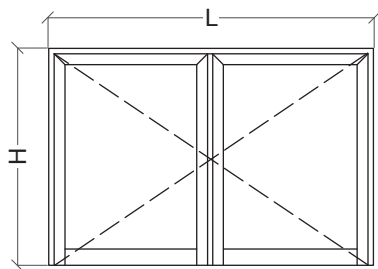
Referência	Descrição	Quantidade
30 92 00 20	Dobradiças C.E.	3
30 92 01 35	Esquadro alinhamento móvel	4
30 92 05 10	Fechadura 3 pontos	1
30 92 05 50	Canhão fechadura	1
30 92 05 60	Puxador duplo	1
30 96 00 05	Esquadro aro porta	2
30 96 00 15	Esquadro alinhamento móvel	4
30 96 00 36	Esquadro móvel porta	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

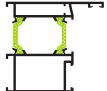
Hv = H-200 mm	Lv = L-230 mm
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Porta 2 folhas abertura exterior



Perfis

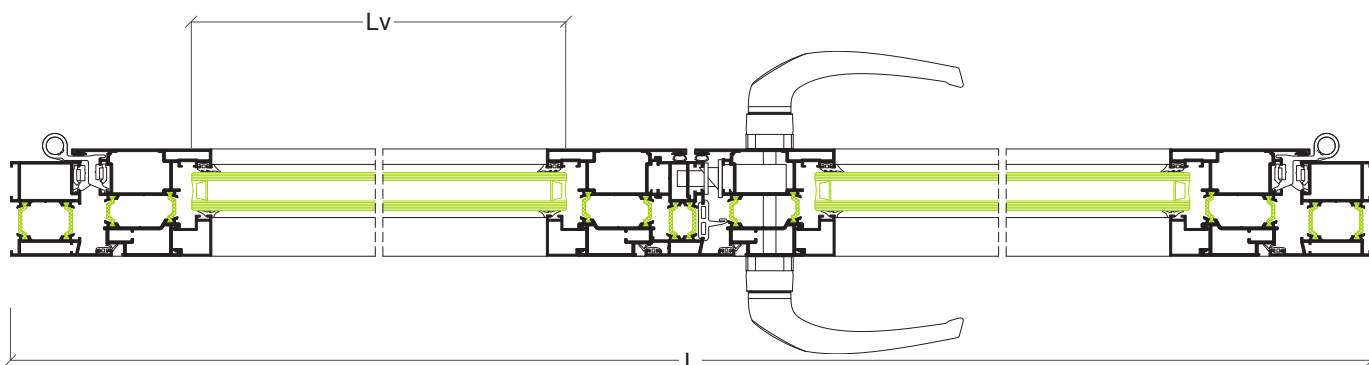
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-08	Aro fixo		1	L
				2	H
	ARi-72	Aro móvel abertura exterior		2	L/2-41.5 mm
				4	H-44 mm
	ARi-04	Inversor		1	H-78 mm
	ARi-12	Travessa		1	L/2-169.5 mm
	AX-15	Bite remate		2	L/2-160.5 mm
	---	Bite		4	L/2-179 mm
				4	H-253 mm
	AZ-60	Pingadeira		1	L/2-112.5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

Acessórios e Juntas

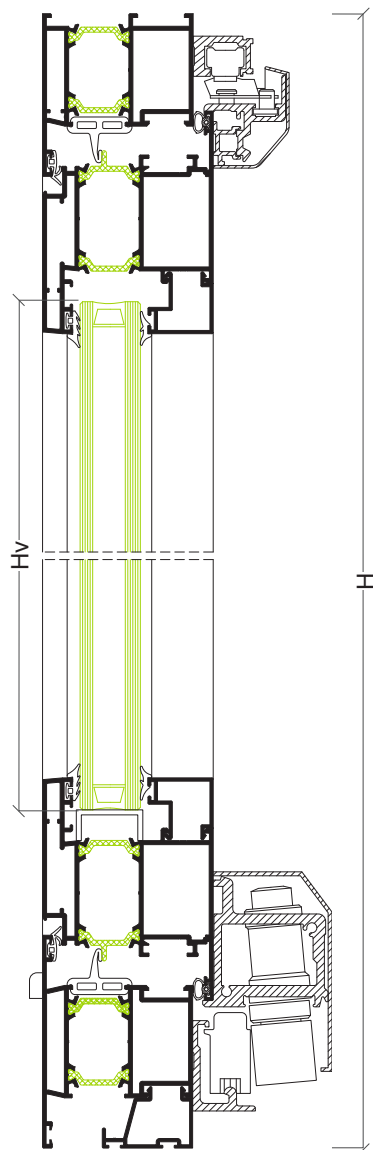
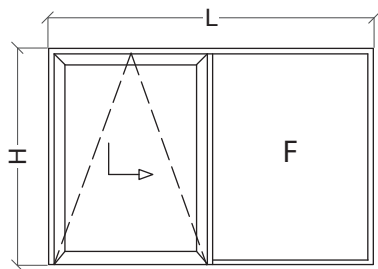
Referência	Descrição	Quantidade
30 92 01 20	Jogo fecho C.E.	1
30 92 05 10	Fechadura 3 pontos	1
30 92 05 50	Canhão fechadura	1
30 92 05 60	Puxador duplo	1
30 96 00 05	Esquadro porta	2
30 96 00 08	Jogo topos inversor	1
30 92 00 20	Dobradiça C.E.	6
30 95 00 10	Pelúcia 7x9 mm	2L
30 95 05 00	Jogo topos AZ-60	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
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Porta oscilo-paralela com fixo lateral



Perfis

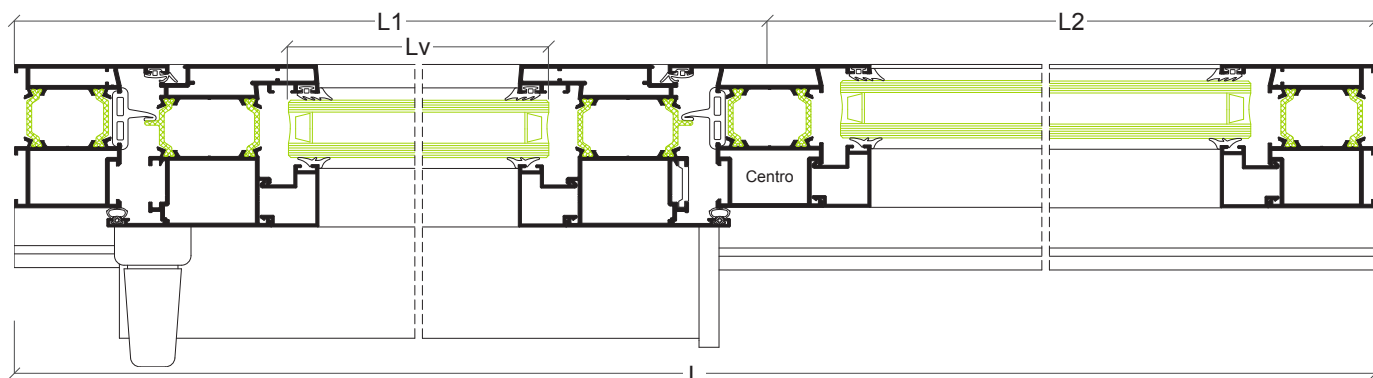
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-08	Aro fixo		1	L
				2	H
	ARi-06	Travessa		1	L-80.5 mm
				1	H-100.5 mm
	ARi-36	Aro móvel		2	L1-55.5 mm
				4	H-98 mm
	---	Bite (folha)		2	L1-193 mm
				2	H-275.5 mm
	---	Bite (fixo)		2	L2-67.5 mm
				2	H-150 mm
	AX-15	Bite remate		1	L-90 mm
	AX-19	Vareta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

Acessórios e Juntas

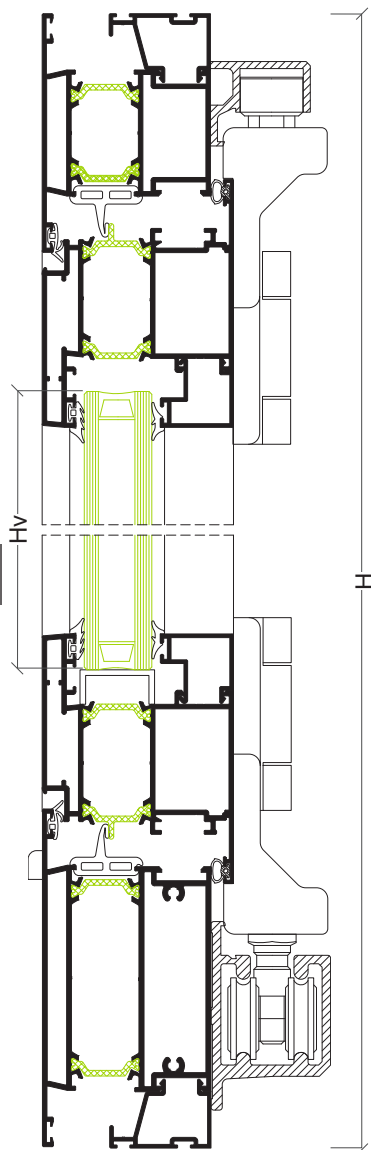
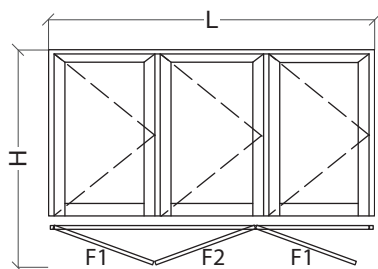
Referência	Descrição	Quantidade
30 92 01 00	Goteiras	4
30 92 01 35	Esquadro alinhamento móvel	4
30 92 01 50	União topos porta	4
30 96 00 05	Esquadro aro fixo	2
30 96 00 15	Esquadro alinhamento móvel	4
30 96 00 36	Esquadro aro móvel	4
30 96 00 46	Esquadro alinhamento exterior aro móvel	4
30 96 00 49	Esquadro 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

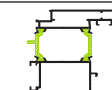
Hv folha = H-249 mm	Lv folha = L1-206 mm	
Hv fixo = H-124 mm	Lv fixo = L2-81 mm	
	Mínimo	Máximo
Largura da folha	700 mm	1650 mm
Altura da folha	850 mm	2400 mm
Peso máximo por folha 150 kg		



Porta 3 folhas harmônio



Perfis

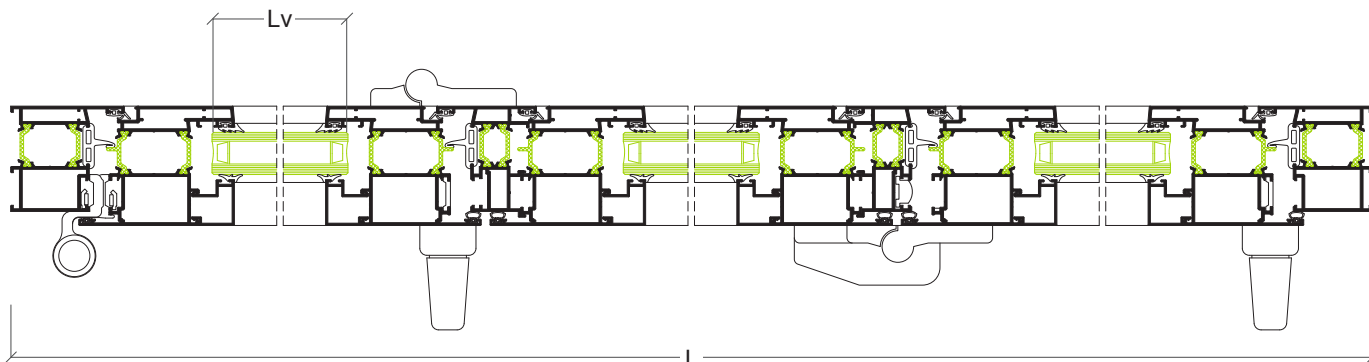
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-08	Aro fixo		2	H
	ARi-06	Travessa		1	L-80.5 mm
	ARi-12	Travessa		1	L-80.5 mm
	ARi-36	Aro móvel	 	6	consultar
	ARi-04	Inversor		2	consultar
	---	Bite (folha)	 	6	consultar
	AX-15	Bite remate		2	L-90 mm
	AX-19	Vareta		2	2H

Acessórios e Juntas

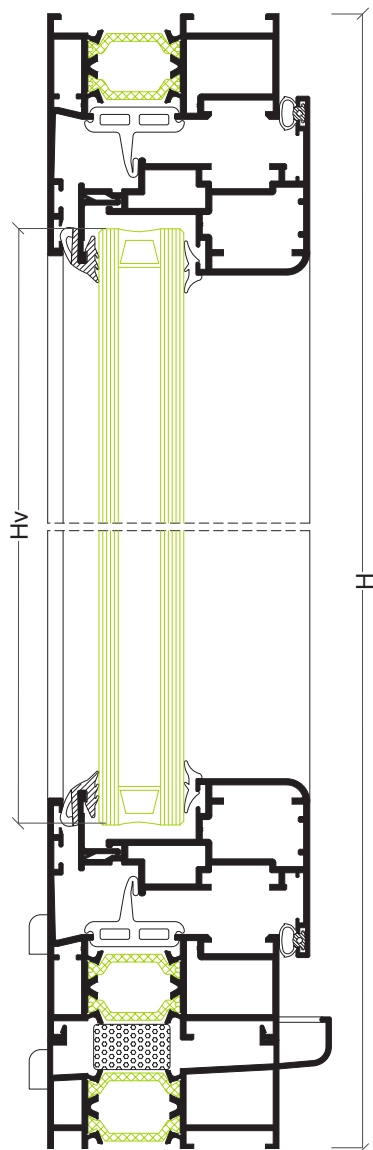
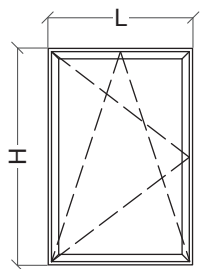
Referência	Descrição	Quantidade
30 92 01 00	Goteiras	6
30 92 01 35	Esquadro alinhamento aro móvel	12
30 96 00 08	Jogo topos inversor	2
30 96 00 15	Esquadro alinhamento aro móvel	12
30 96 00 36	Esquadro aro móvel porta	12
30 96 00 46	Esquadro alinhamento exterior aro porta	12
---	Kit harmônio (3+0)	1
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

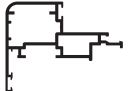
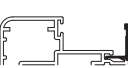
Hv = consultar	Lv Folha 1 = consultar	
	Lv Folha 2 = consultar	
	Mínimo	Máximo
Largura da folha	600 mm	900 mm
Altura da folha	850 mm	2400 mm
Peso máximo por folha 80 kg		



Janela 1 folha abrir e oscilo-batente



Perfis

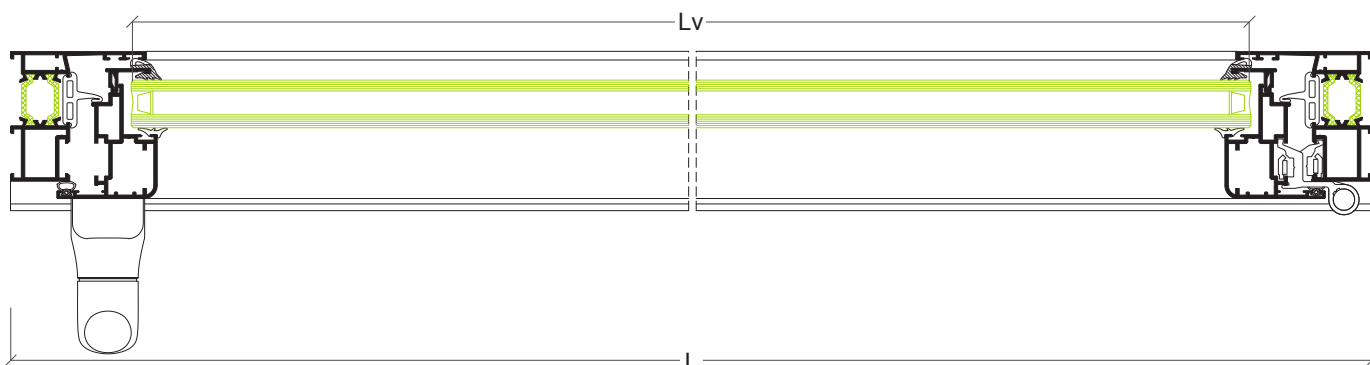
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-43	Aro fixo folha oculta		2	L
				2	H-28.5 mm
	ARi-45	Aro móvel folha oculta		2	L-43 mm
				2	H-71.5 mm
	ARi-47	Bite folha oculta		2	L-94 mm
				2	H-122.5 mm
	CT-11	Soleira condensação		1	L
	AX-19	Vareta		1+1	L+H

Acessórios e Juntas

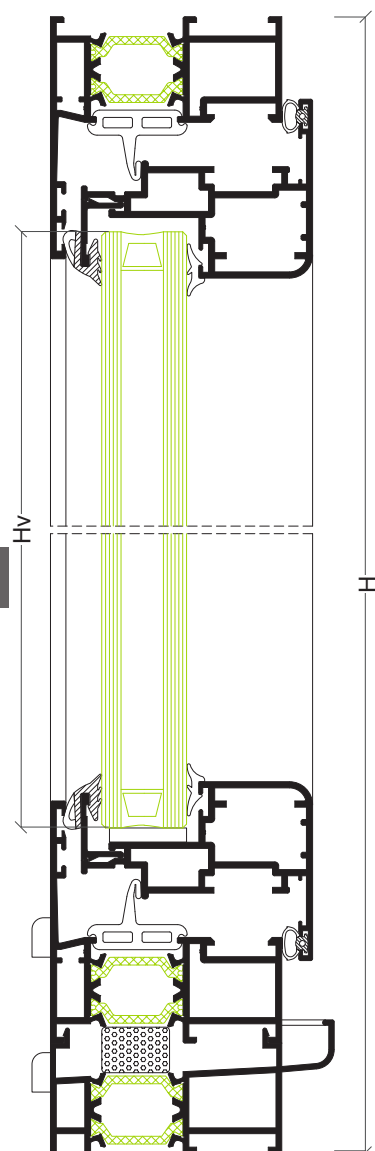
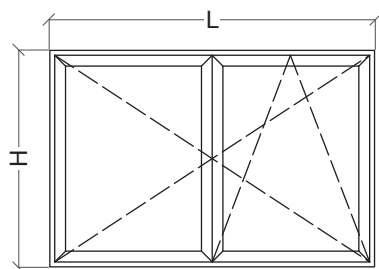
Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 92 00 20	Dobradiças C.E.	2	---
30 92 01 00	Goteiras	4	4
30 92 02 XX	Compasso O.B.	---	1
30 92 02 20	Kit oscilo-batente	---	1
30 92 02 60	Apoio da folha	1	---
30 92 03 10	Kit cremone	1	---
30 96 00 04	Esquadro janela	8	8
30 96 00 48	Esquadro alinhamento 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

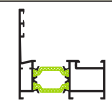
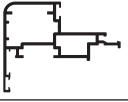
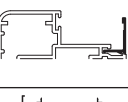
Hv = H-139 mm	Lv = L-110 mm
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Janela 2 folhas abrir e oscilo-batente



Perfis

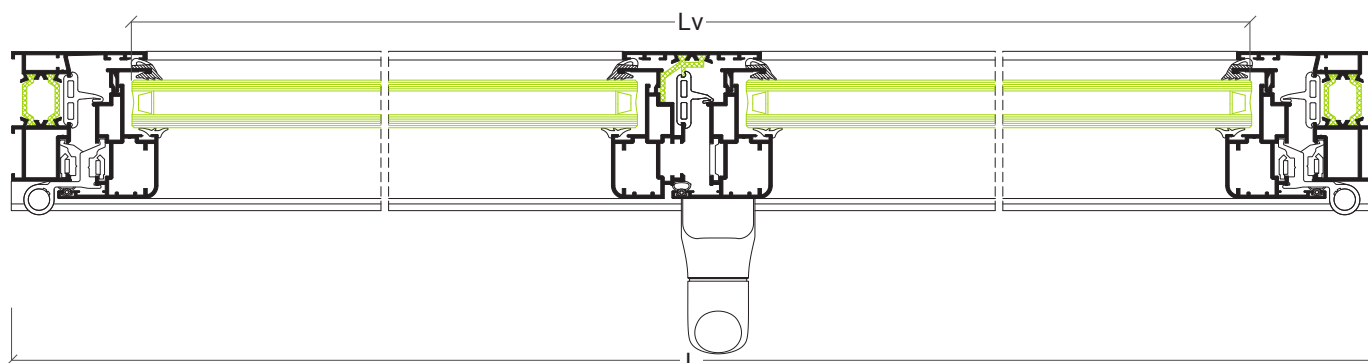
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-43	Aro fixo folha oculta		2	L
				2	H-28.5 mm
	ARi-45	Aro móvel folha oculta		4	L/2-12 mm
				3	H-71.5 mm
	ARi-46	Complemento aro móvel inversor		1	H-159.5 mm
	ARi-44	Aro móvel		1	H-95.5 mm
	ARi-47	Bite folha oculta		4	L/2-63.5 mm
				3	H-122.5 mm
	CT-11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

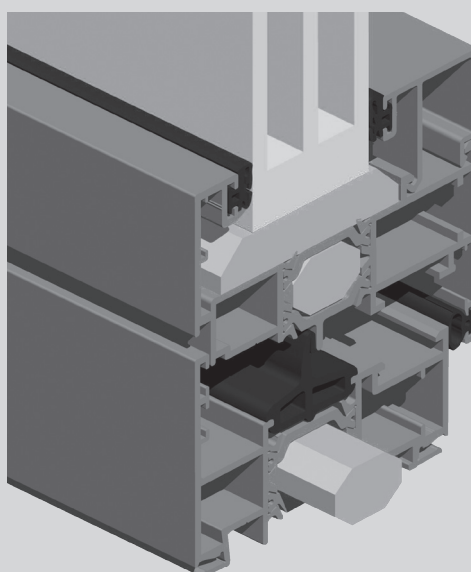
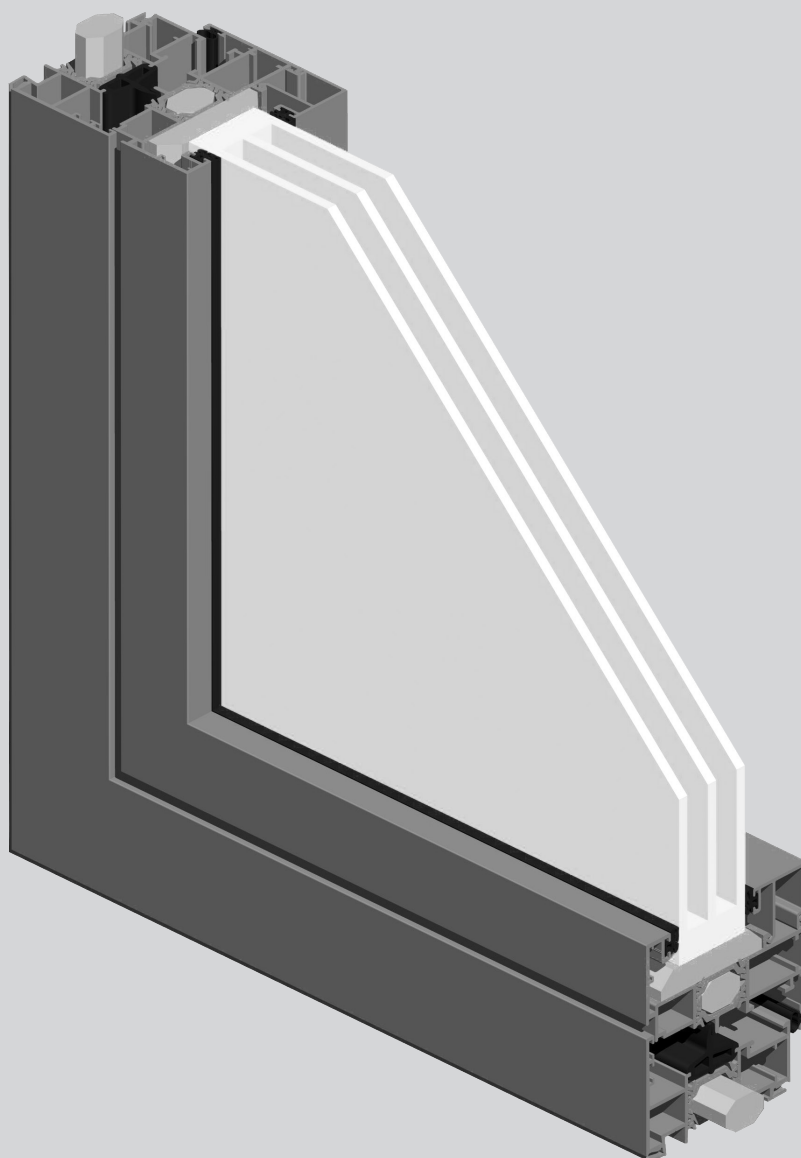
Acessórios e Juntas

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
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Sistema

AJi

Sistema AJi

Sistema de batente com RPT - 70 mm

Características do sistema

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

O sistema AJi possibilita a execução de 3 versões de caixilharia:

1. Linha recta;
2. Linha curva;
3. Linha oval.

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

Com um óptimo isolamento térmico aliado à aplicação de um inovador produto designado por baguete ThermoProfile, o Sistema AJi proporciona elevadas prestações de conforto e de economia energética.

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 1.7 mm.

Aros fixos

Secção dos aros fixos de 70 mm com tripla câmara;

Perfis com rotura térmica com varetas de poliamida tipo ómega de 24 mm;

Aros fixos com duplo esquadro de aperto rápido e esquadros de alinhamento para montagem a meia esquadria;

Travessas com dupla união para um aperto mais eficaz;

Aros fixos tradicionais para o mercado interno;

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

Aro fixo com clip exterior e interior para aplicação de remate de 30, 50 ou 80 mm para o mercado francês;

Aro fixo de ligação ao sistema de correr com rotura térmica CW.

Aros móveis

Secção dos aros móveis de 78 mm com tripla câmara;

Aros móveis com rotura térmica através de varetas de poliamidas tipo ómega de 24 mm;

Aros móveis com duplo esquadro de aperto rápido e esquadros de alinhamento para montagem a meia esquadria;

Perfil inversor com olhal para uma melhor aplicação do topo inversor.

Dimensionamento e manobralidade

Dimensões mínimas - máximas de folha: 340 mm - 1700 mm (L); 340 mm - 3000 mm (H);

Peso máximo para janelas ou portas de sacada com oscilo-batente até 170 Kg;

Peso máximo para portas de entrada até 160 Kg/folha;

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

Solução de perfil para portas pedonais ou de sacada de abertura interior ou exterior segundo norma PMR (pessoas com mobilidade reduzida);

Enchimento para vidro duplo ou triplo desde 20 mm até 55 mm;

Estanquidade assegurada através de juntas duplas em EPDM (interior e central).

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 AJi:

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)

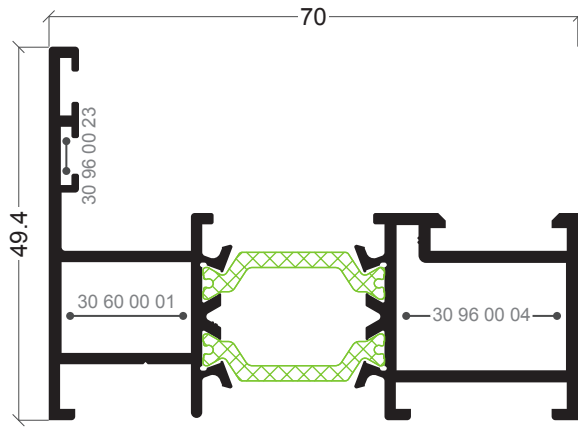
Coeficiente de transmissão térmica de vão de 2 folhas com 1.20 m x 1.50 m com vidro $U_g = 0.5 \text{ W/m}^2\text{K}$ com intercalar efeito "Warm Edge":

• $U_w = 1.26 \text{ W/m}^2\text{K}$

Coeficiente de atenuação acústica de vão de 2 folhas:

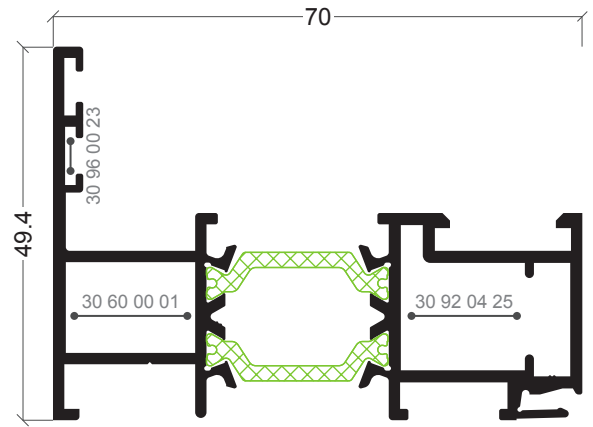
• $R_w (C ; C_{tr}) = 42 \text{ dB} (-1 ; -4)$

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



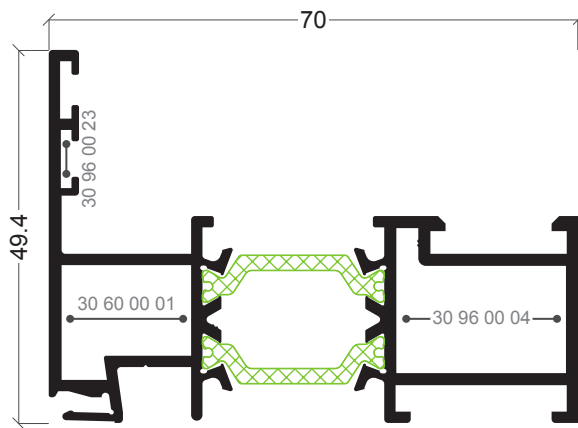
AJi-03

Aro fixo



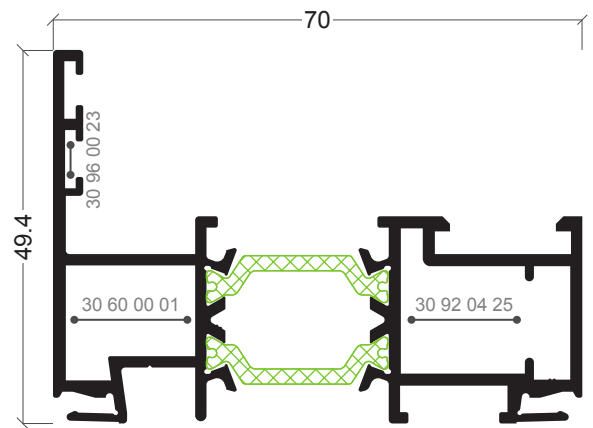
AJi-91

Aro fixo



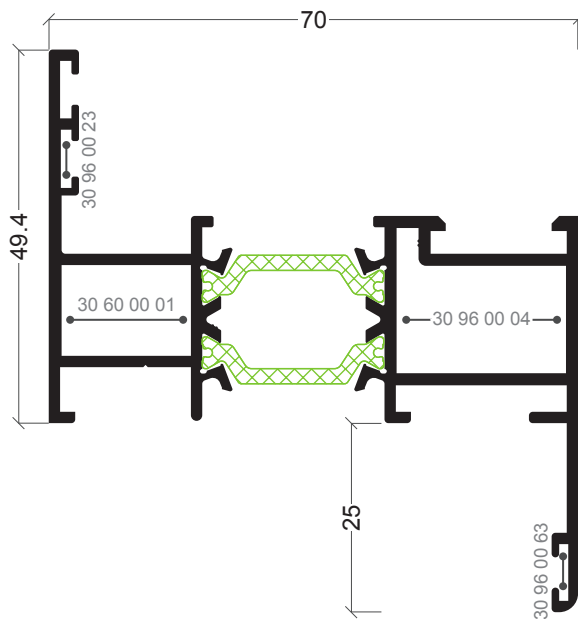
AJi-76

Aro fixo



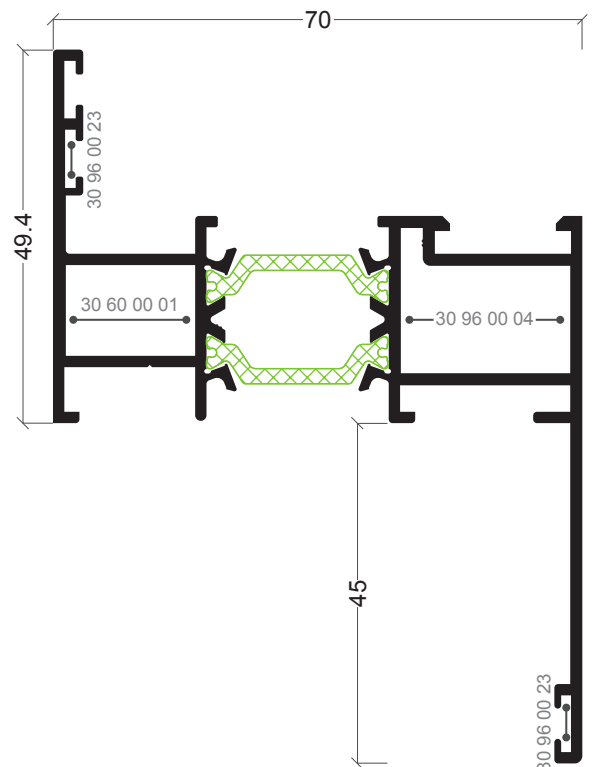
AJi-80

Aro fixo



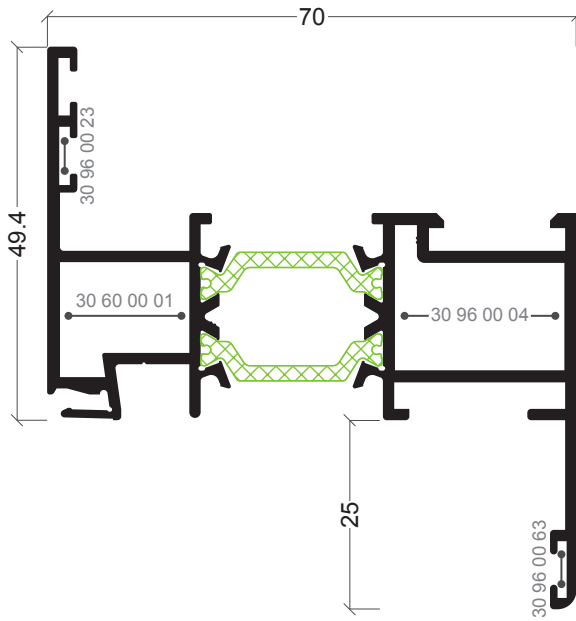
AJi-35

Aro fixo com remate 25 mm

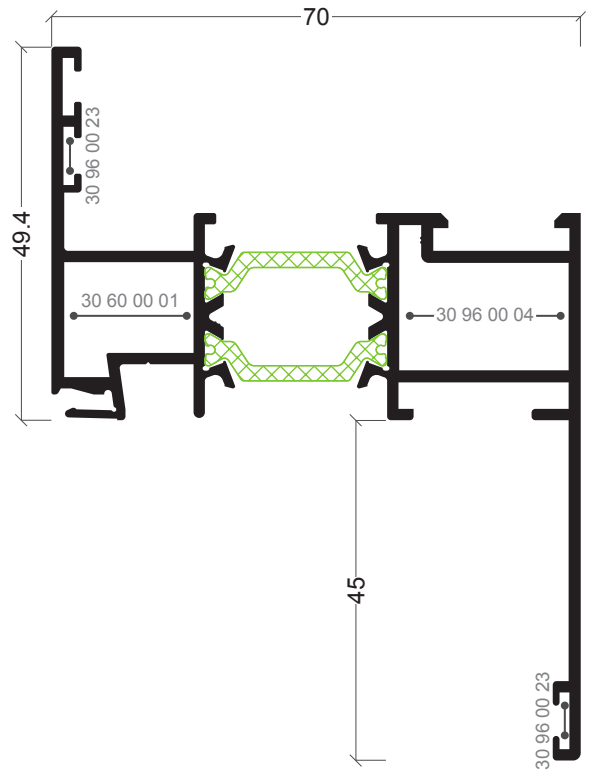


AJi-33

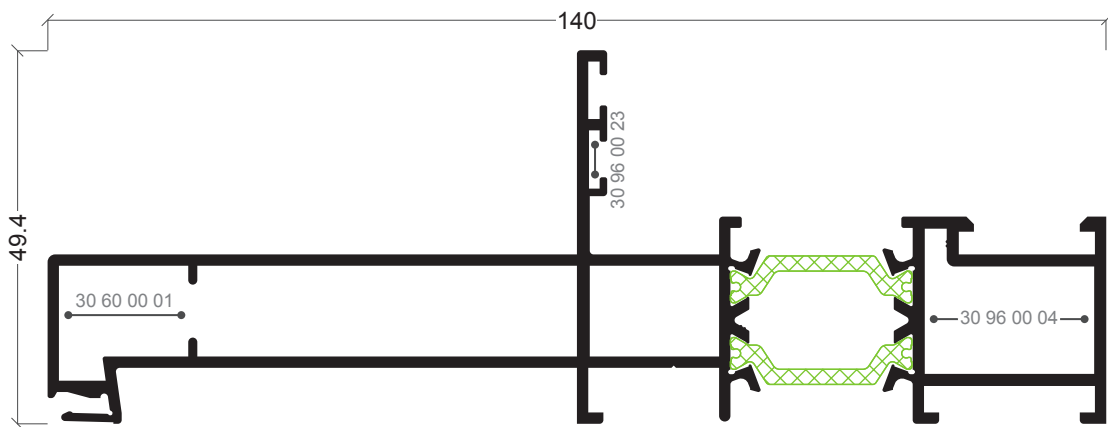
Aro fixo com remate 45 mm



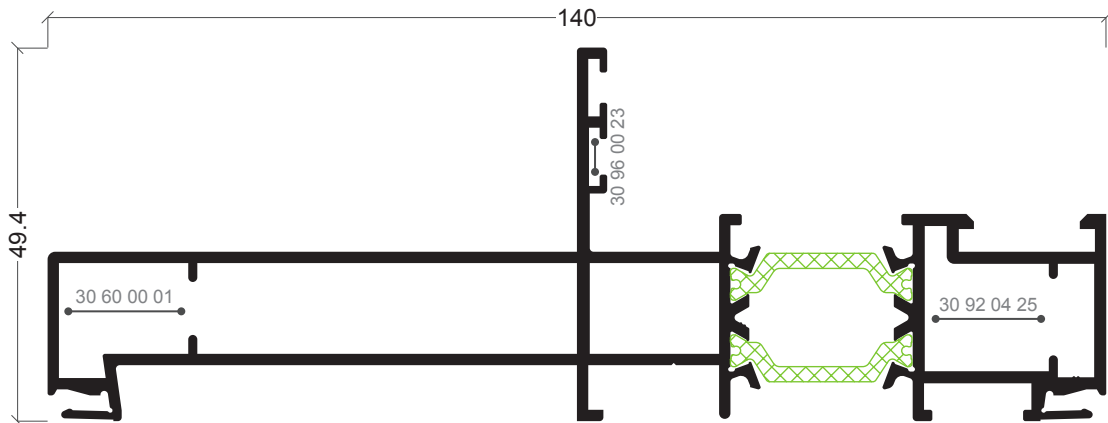
AJi-74
Aro fixo com remate 25 mm



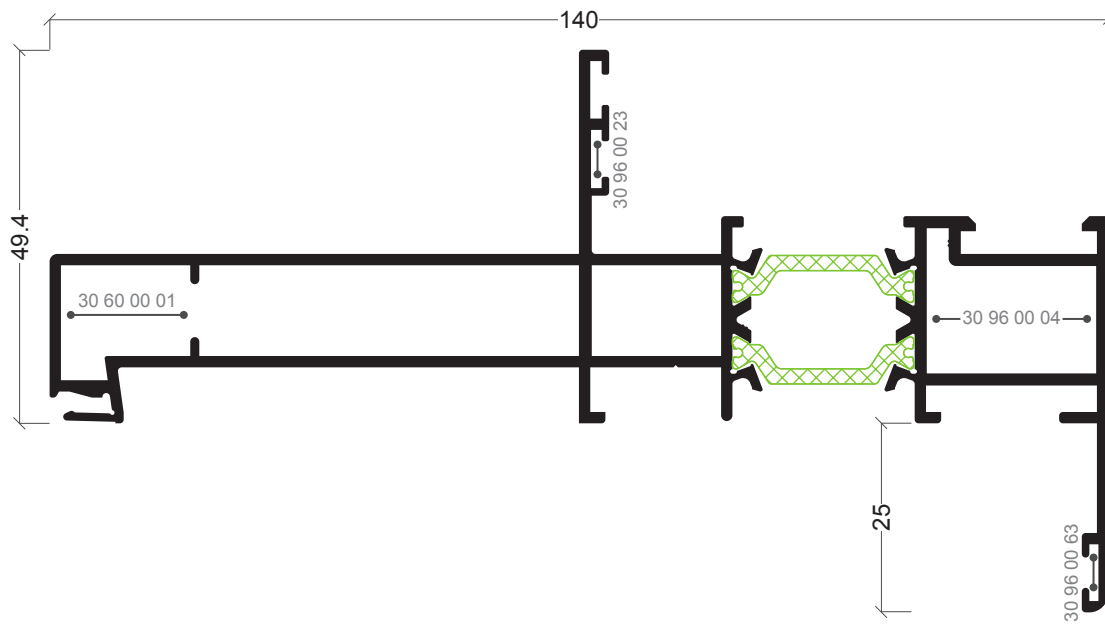
AJi-75
Aro fixo com remate 45 mm



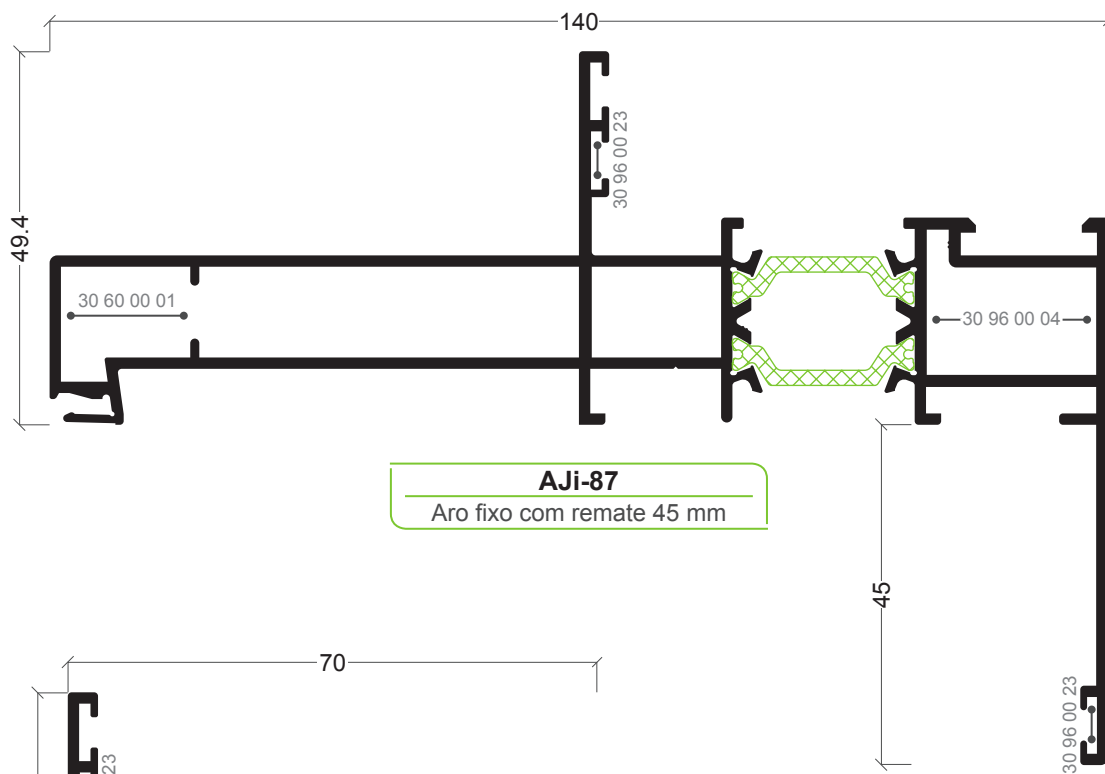
AJi-89
Aro fixo



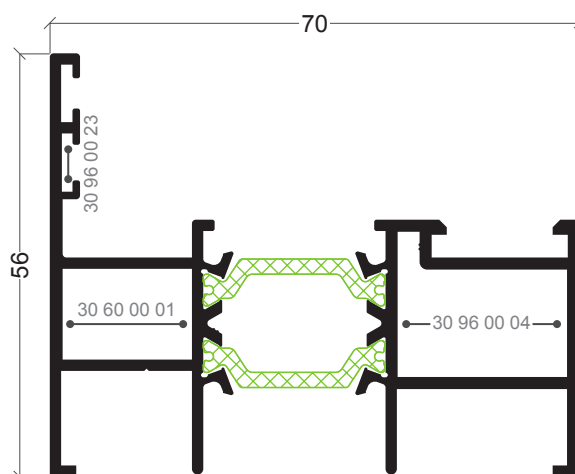
AJi-88
Aro fixo


AJi-86

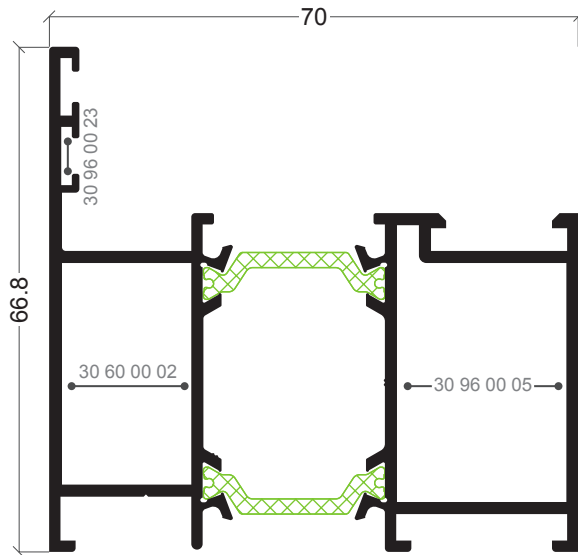
Aro fixo com remate 25 mm


AJi-87

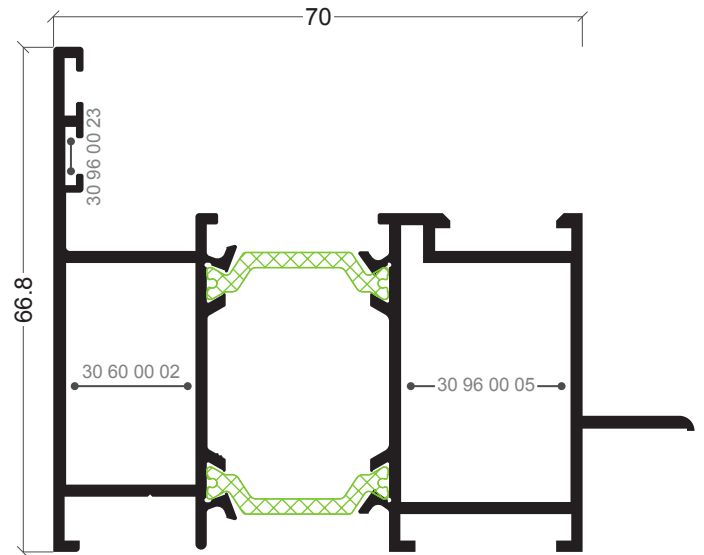
Aro fixo com remate 45 mm


AJi-81

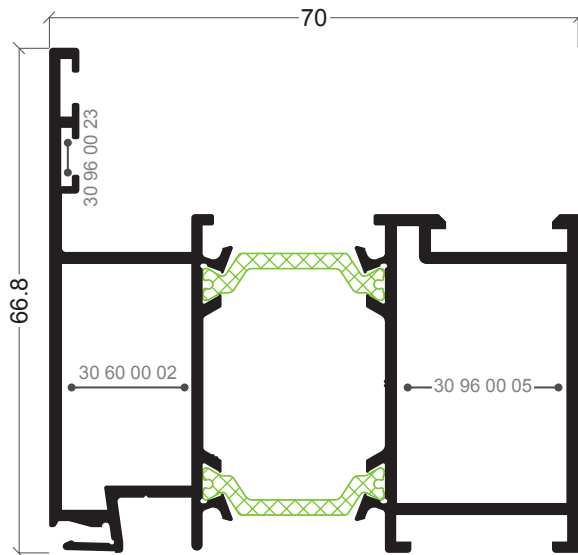
Aro fixo



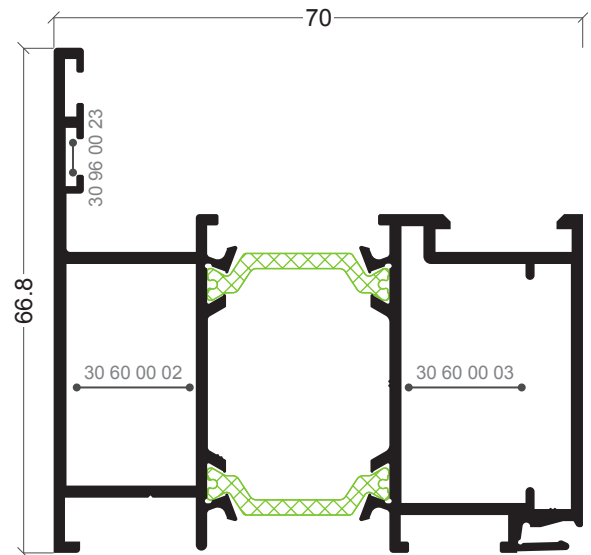
AJi-08
Aro fixo



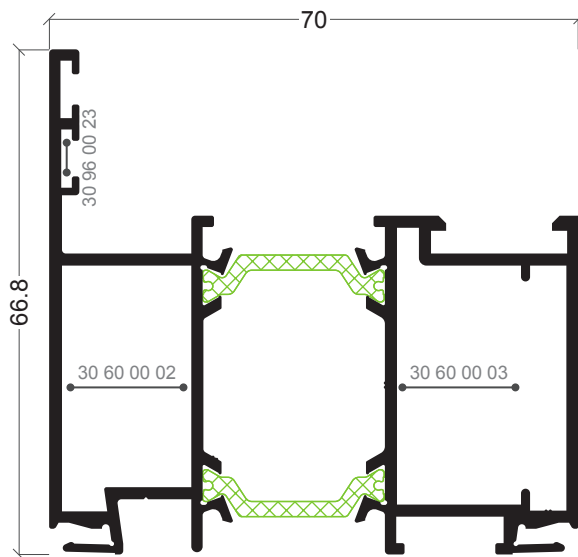
AJi-68
Aro fixo



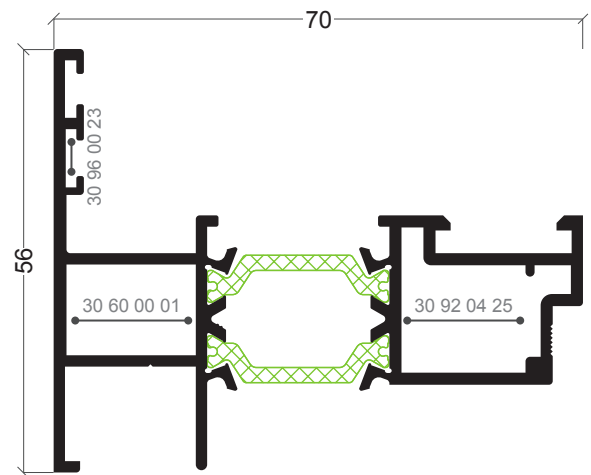
AJi-92
Aro fixo



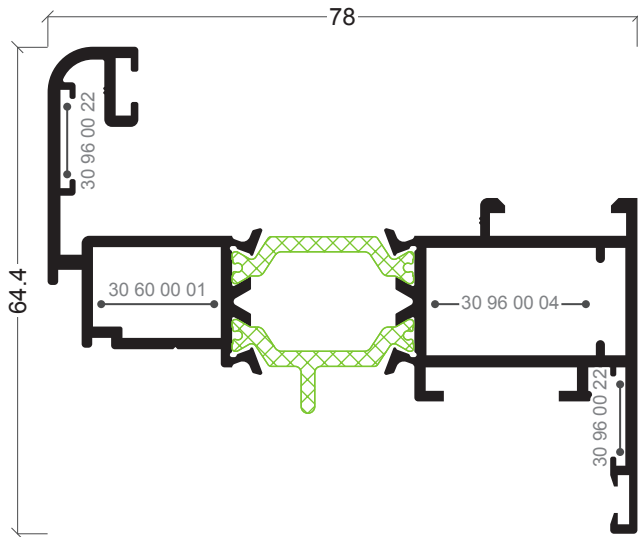
AJi-93
Aro fixo



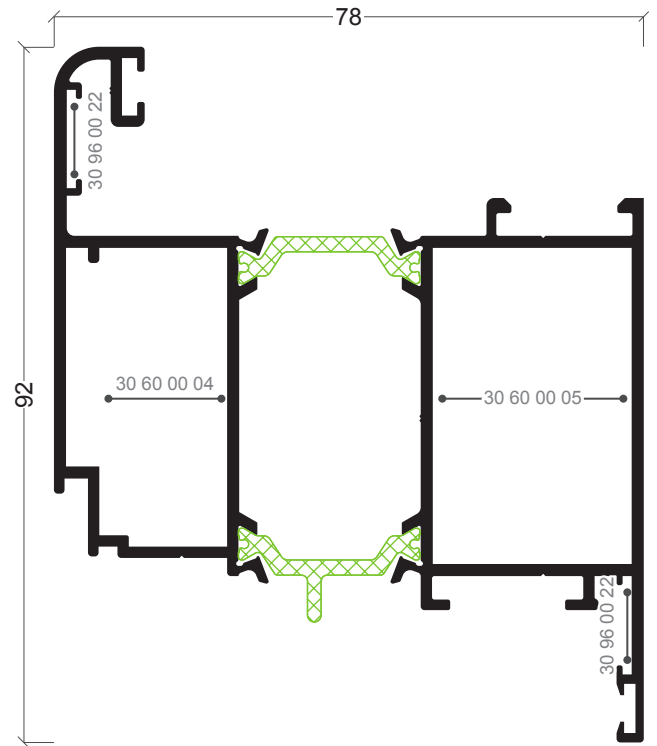
AJi-94
Aro fixo



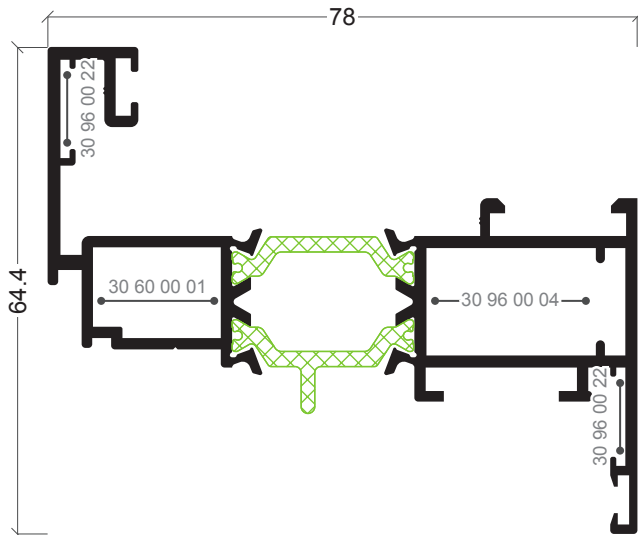
AJi-73
Inversor de sentido de abertura



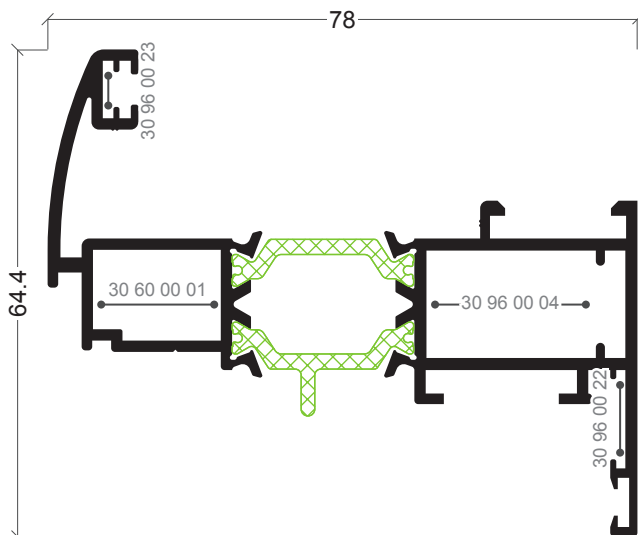
AJi-05
Aro móvel



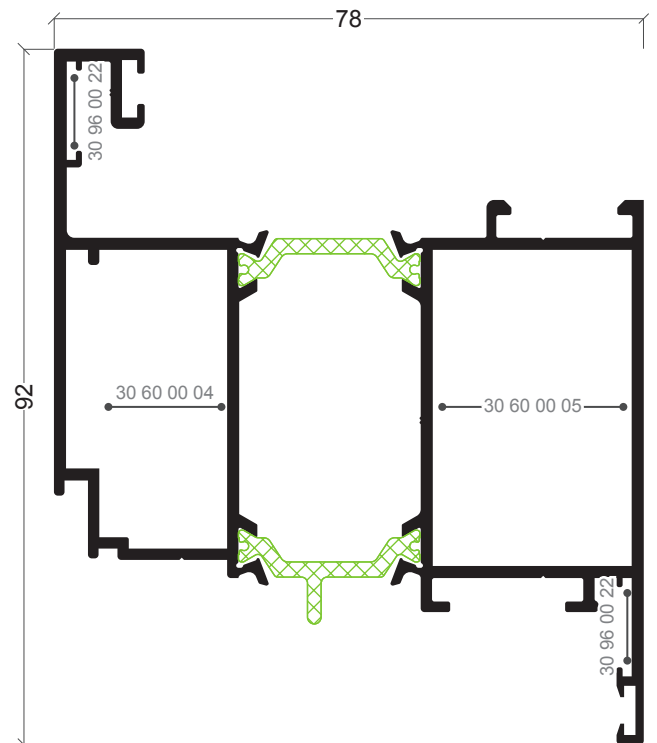
AJi-10
Aro móvel



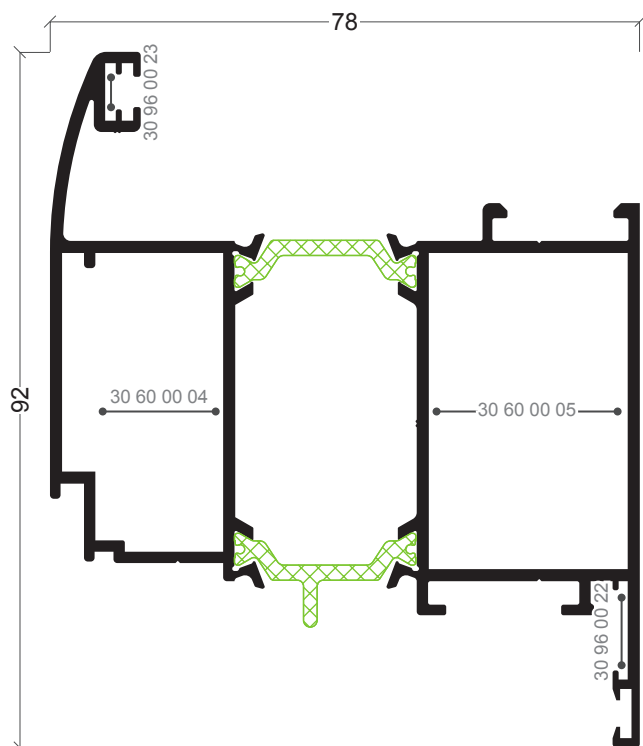
AJi-61
Aro móvel



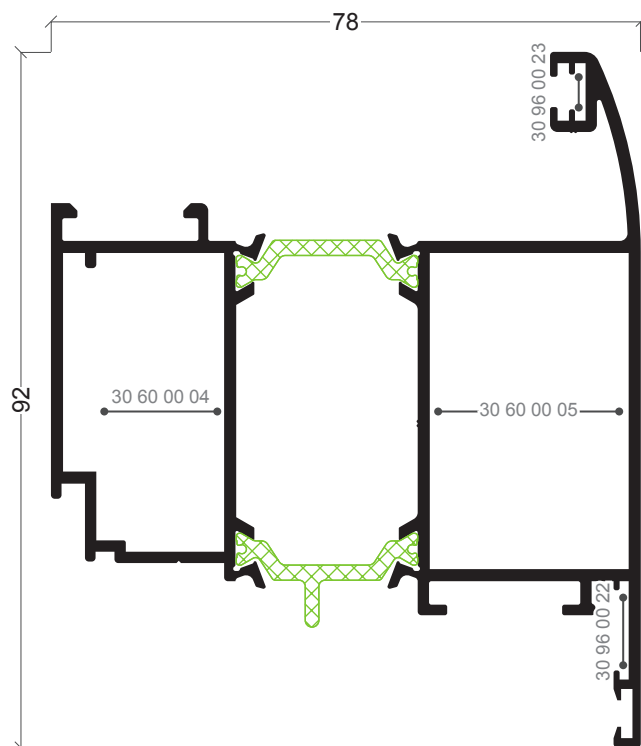
AJi-83
Aro móvel



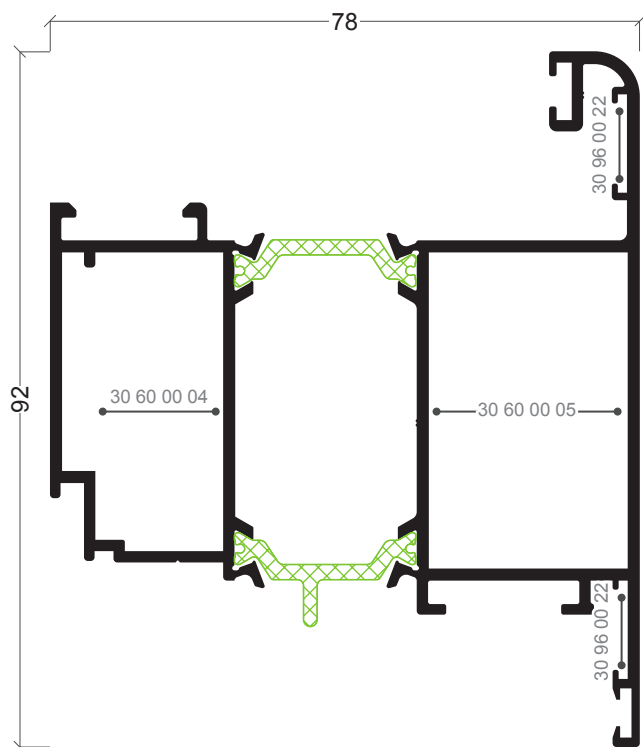
AJi-36
Aro móvel



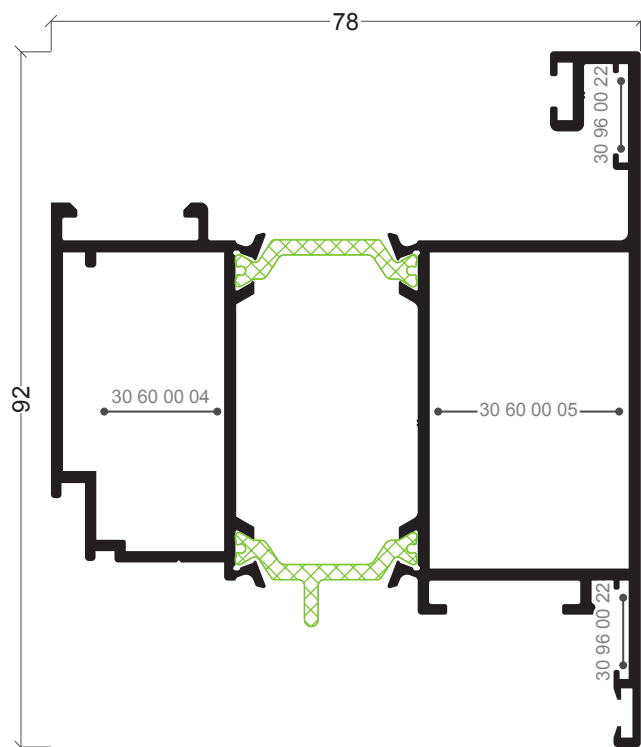
AJi-84
Aro móvel



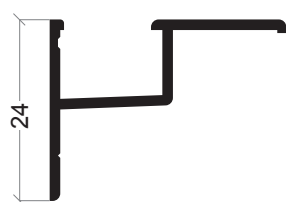
AJi-85
Aro móvel



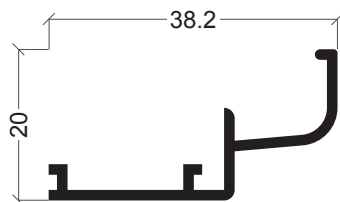
AJi-90
Aro móvel



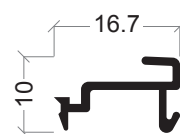
AJi-72
Aro móvel



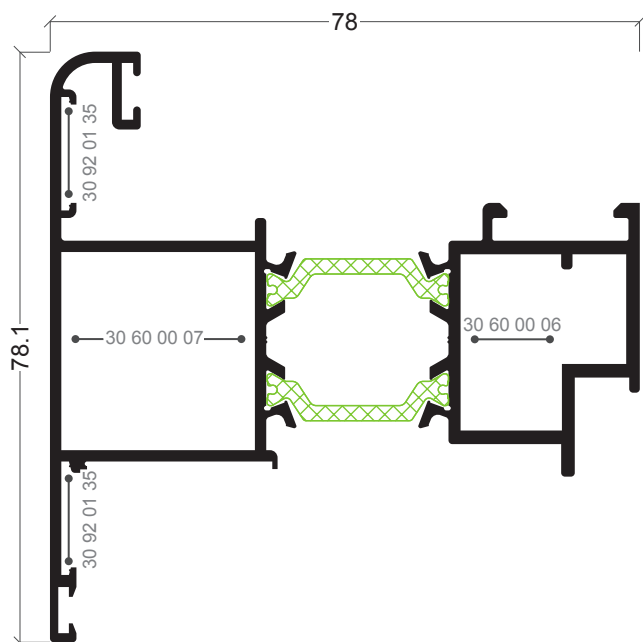
Y-20
Recolha de águas condensação



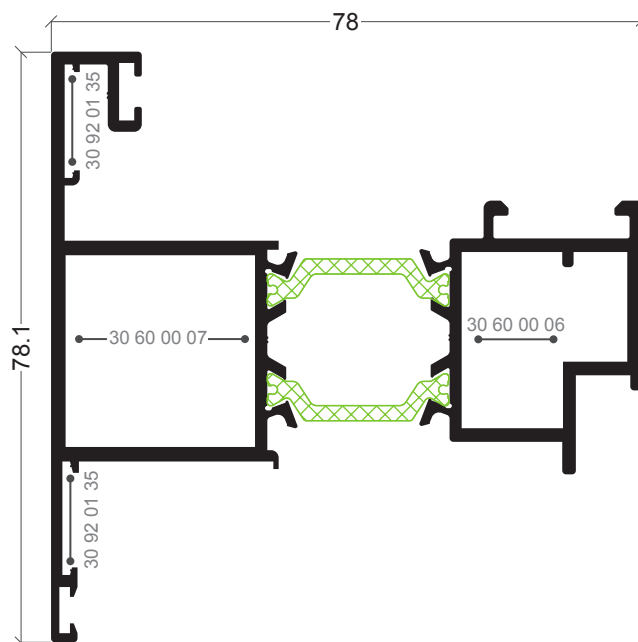
ARi-32
Complemento condensação



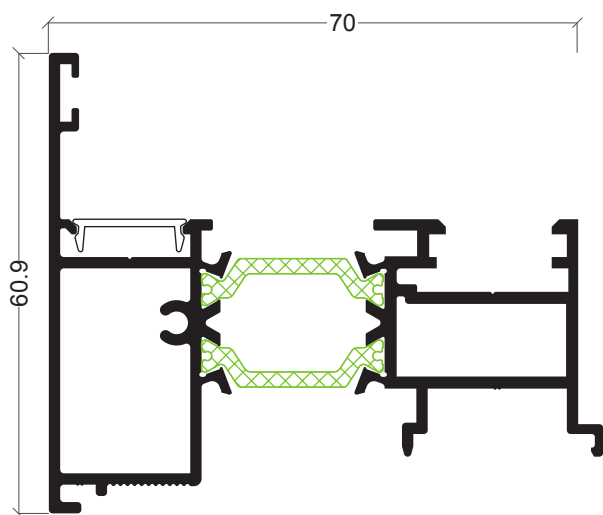
AX-33
Mola Bite



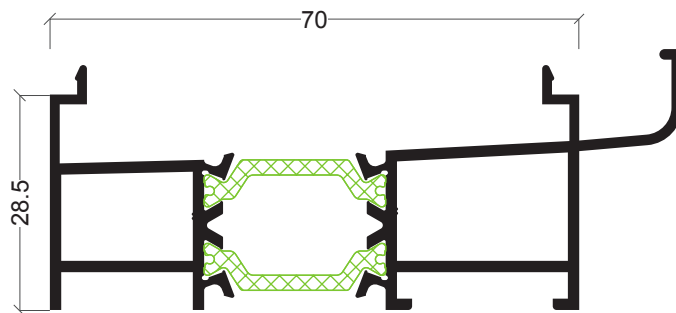
AJi-07
Aro móvel projectante



AJi-95
Aro móvel projectante



AJi-04
Inversor



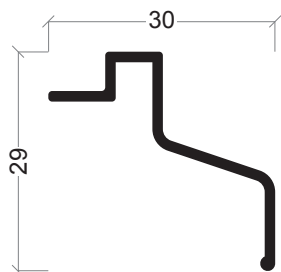
AJi-71
Soleira condensação



AXi-32
Complemento projectante



AXi-31
Guia projectante



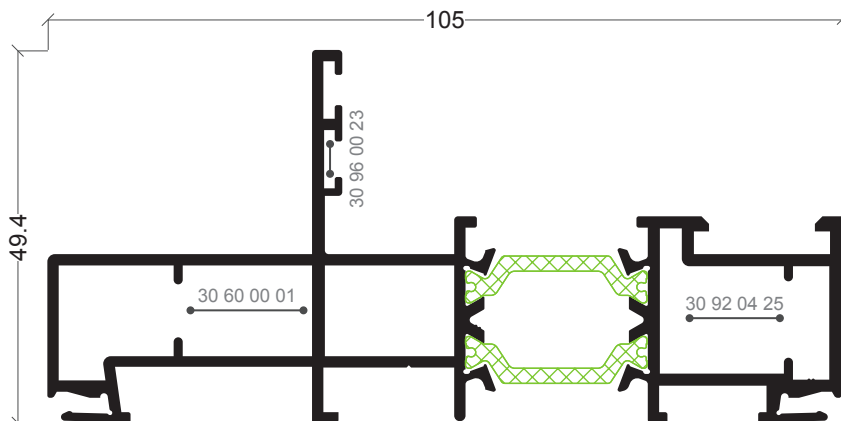
AXi-45
Pingadeira projectante



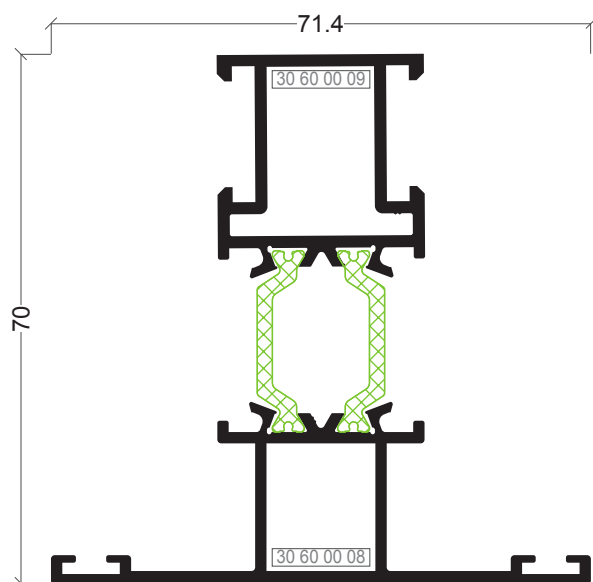
KL-04
Tampa



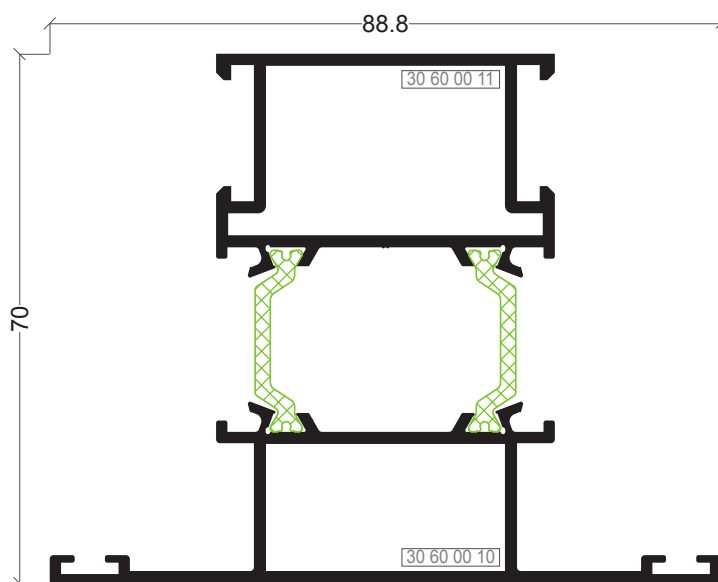
AX-19
Vareta



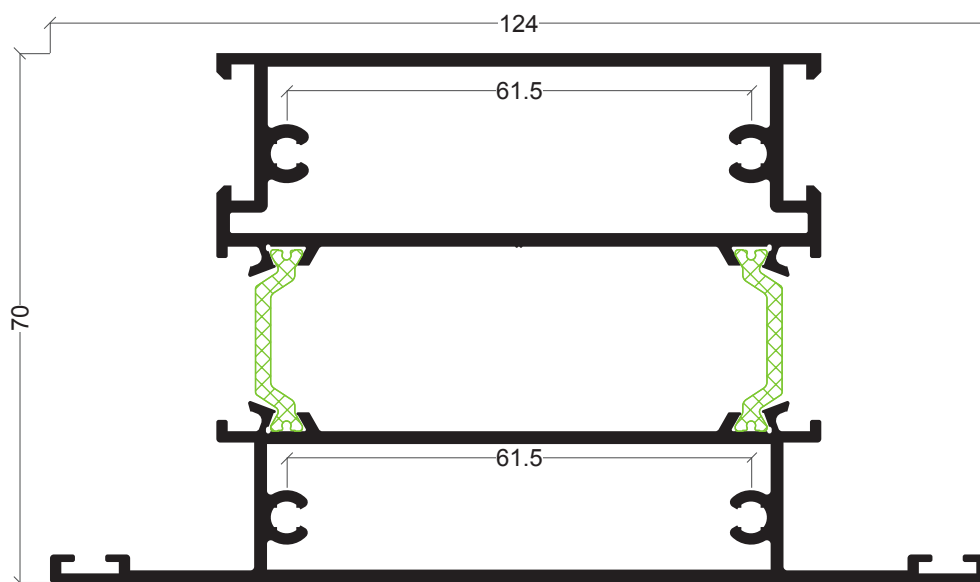
AJi-20
Perfil ligação CW



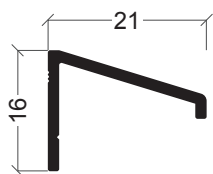
AJi-01
Travessa



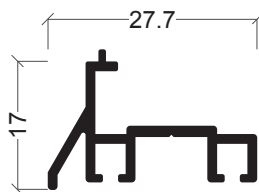
AJi-06
Travessa



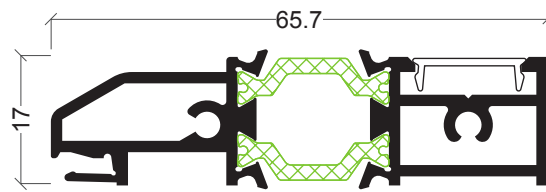
AJi-12
Travessa



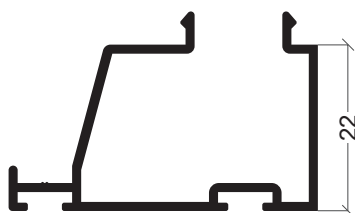
A1-46
Pingadeira janela



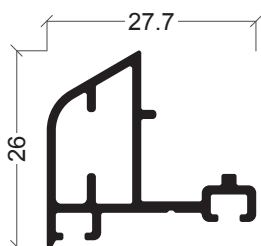
AJi-62
Pingadeira inferior porta sacada



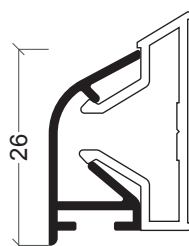
AJi-63
Remate inferior porta



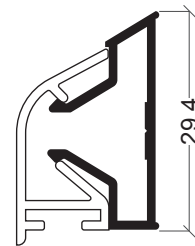
AJi-82
Bite remate



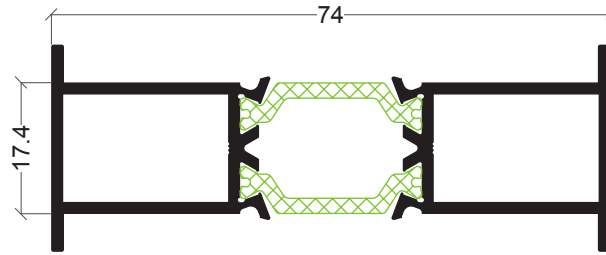
AZ-79
Pingadeira inferior de porta



AZ-60
Pingadeira

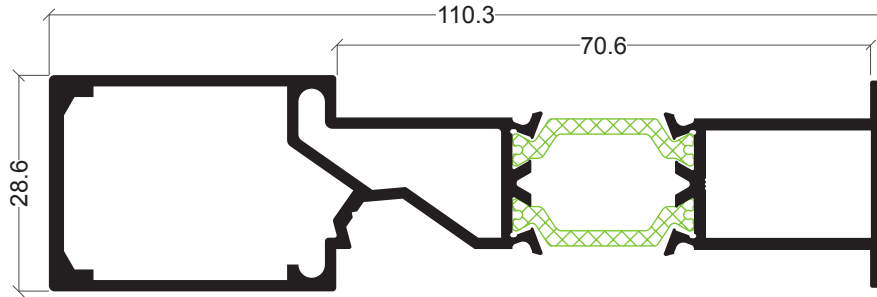


AZ-61
Clip pingadeira



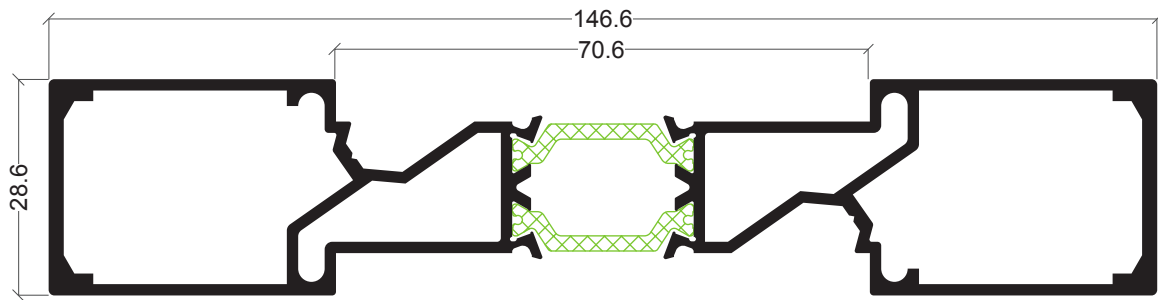
AJi-21

União de aros



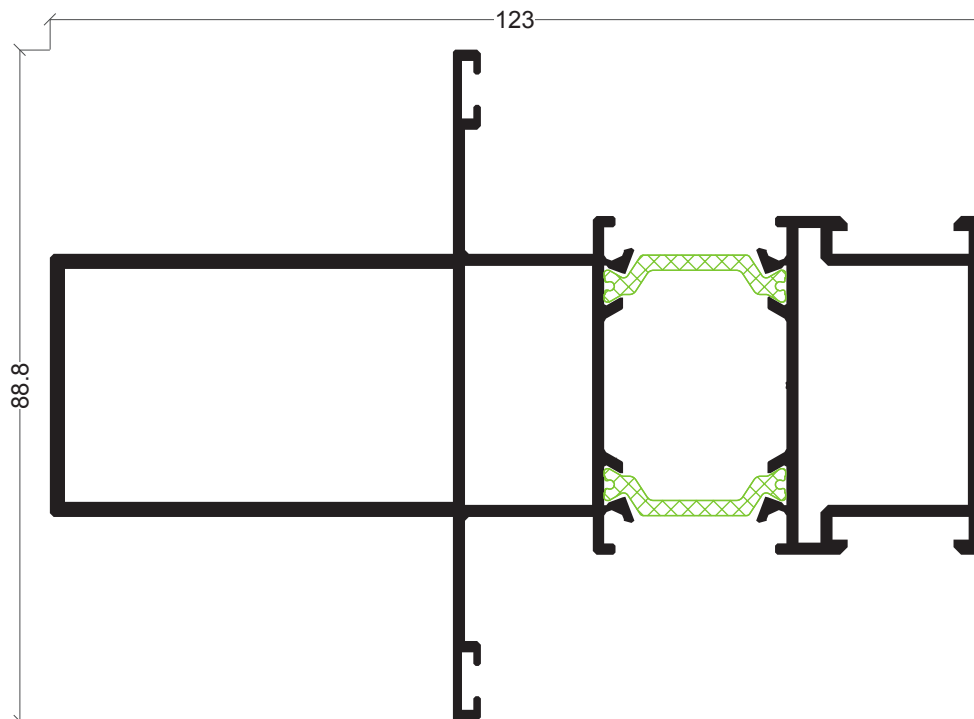
AJi-65

União de aros



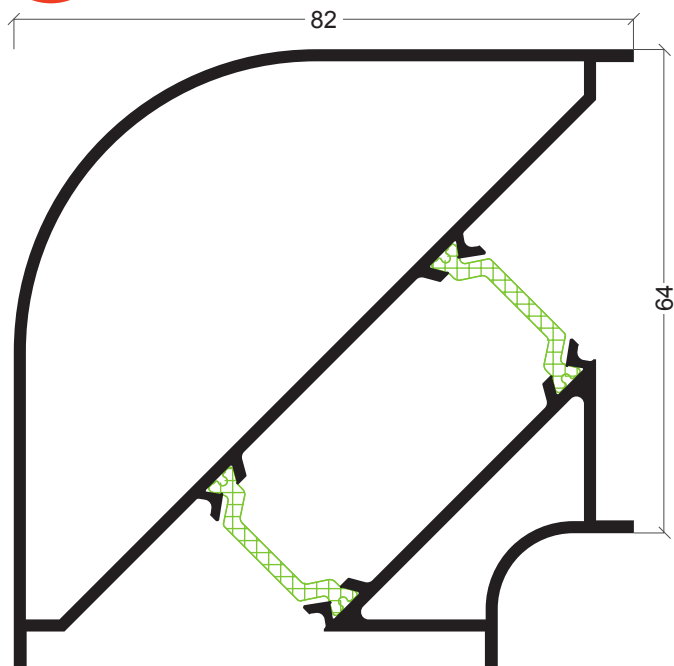
AJi-67

União de aros

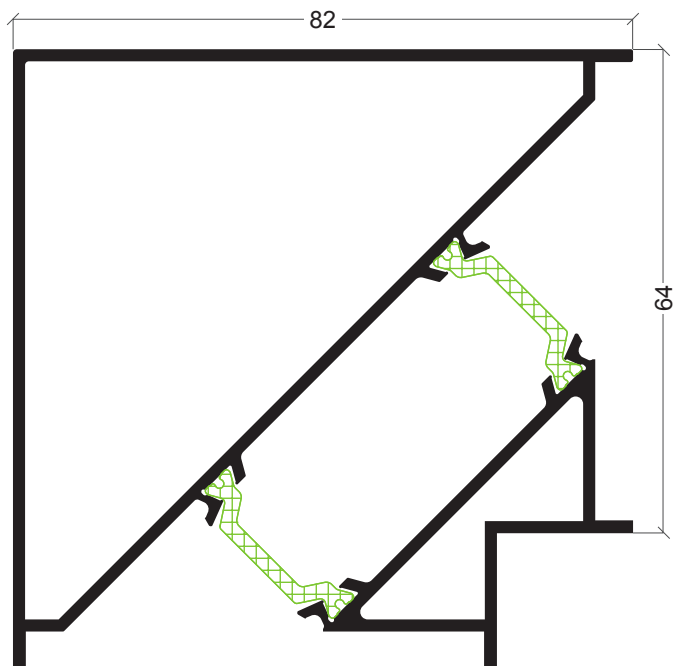


AJi-79

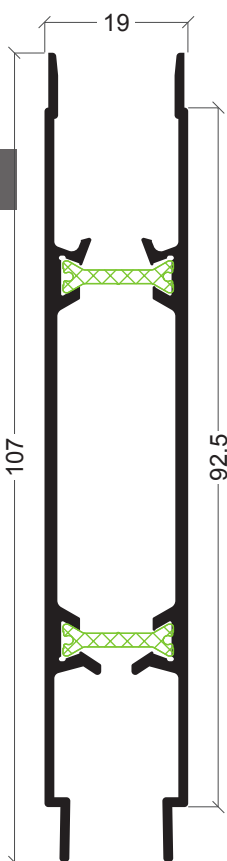
Montante recto



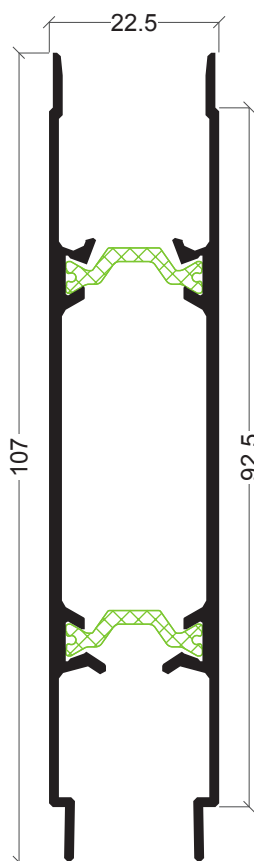
ARI-16
Esquina 90°



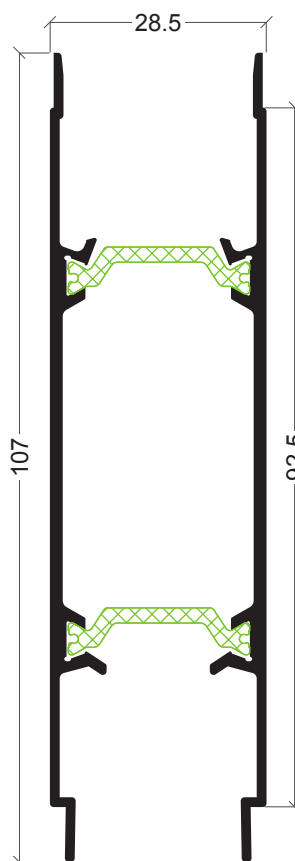
ARI-64
Esquina 90°



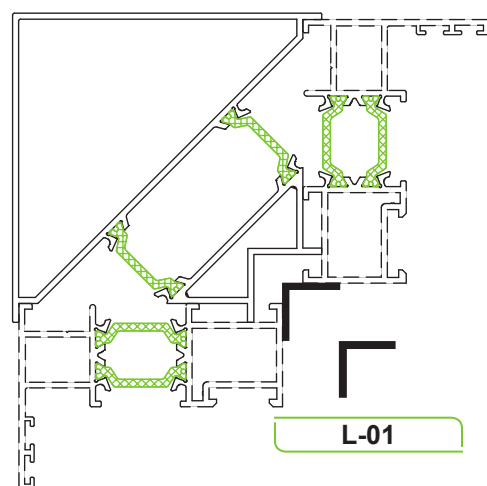
W-15



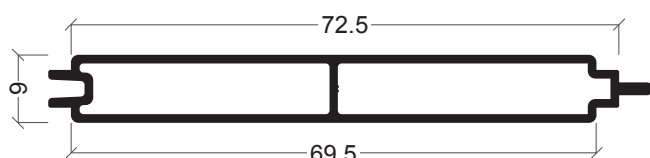
W-18



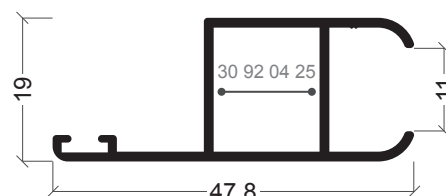
W-20



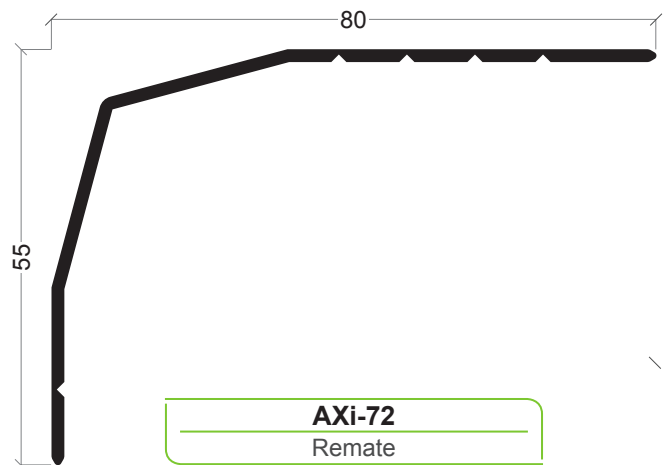
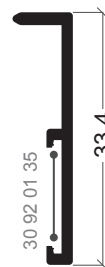
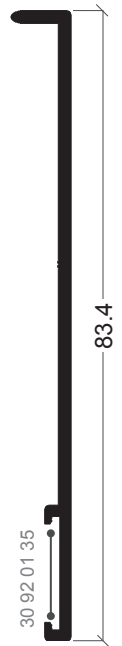
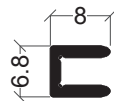
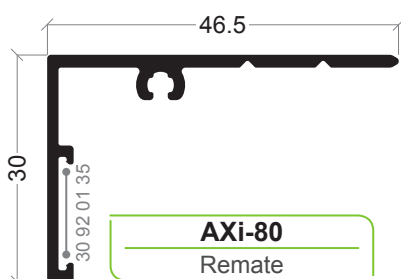
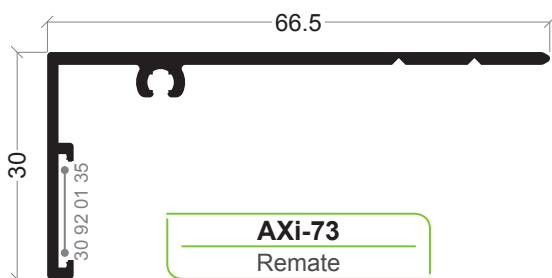
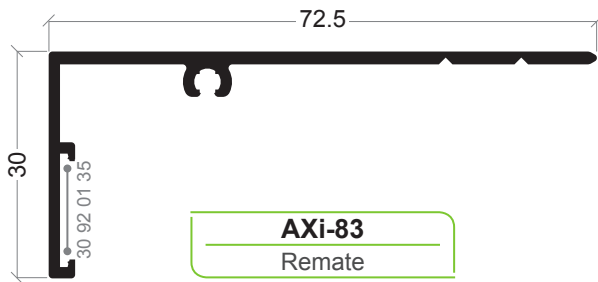
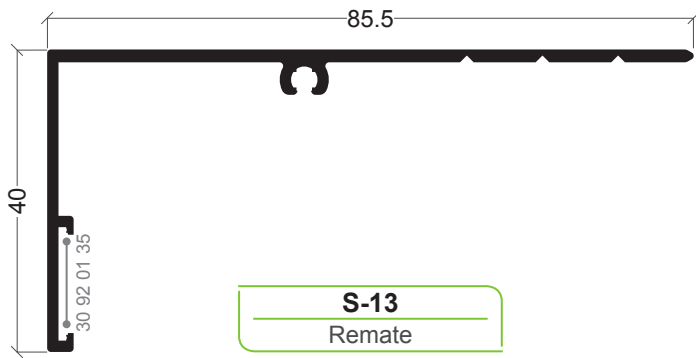
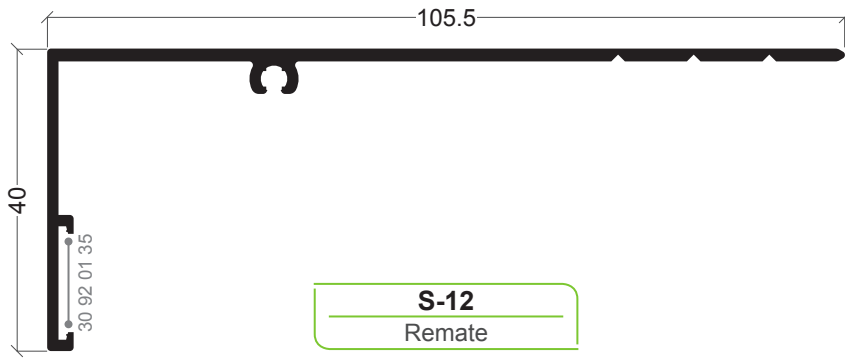
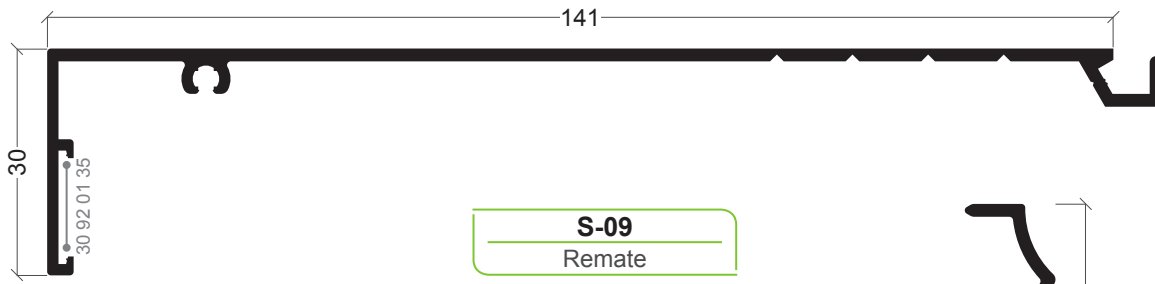
L-01

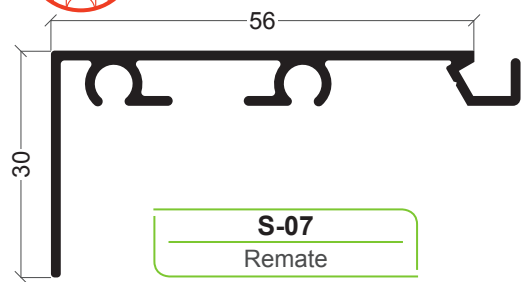


W-23
Régua tapa-luz

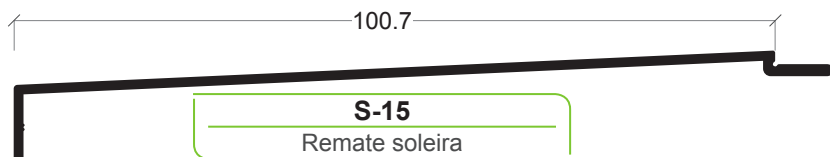


AZ-22
Tapa-luz

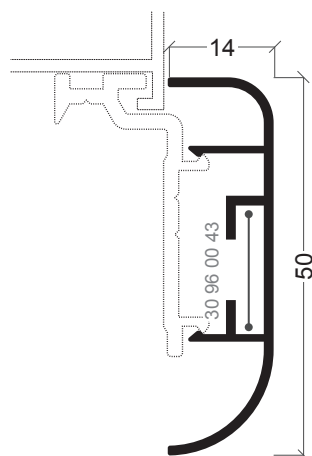




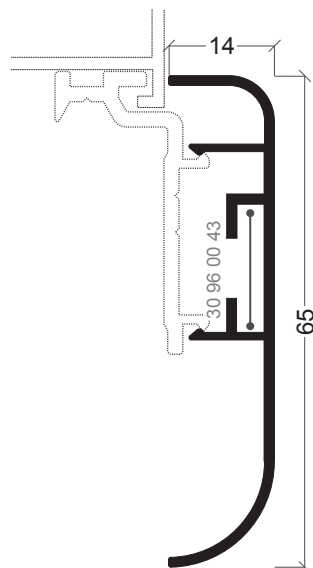
S-07
Remate



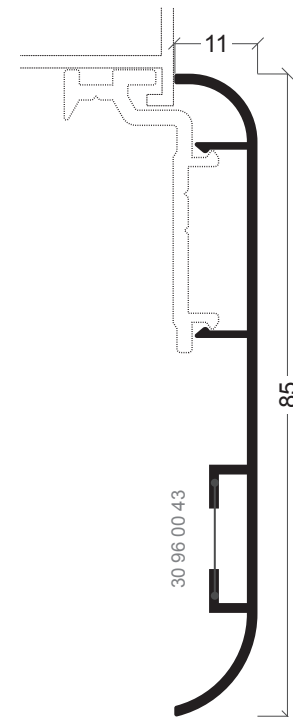
S-15
Remate soleira



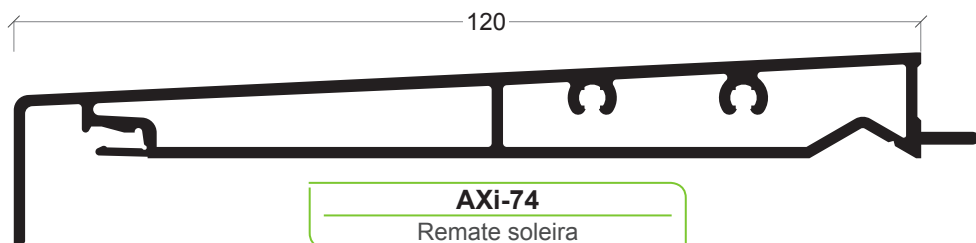
ARi-27
Tapa juntas



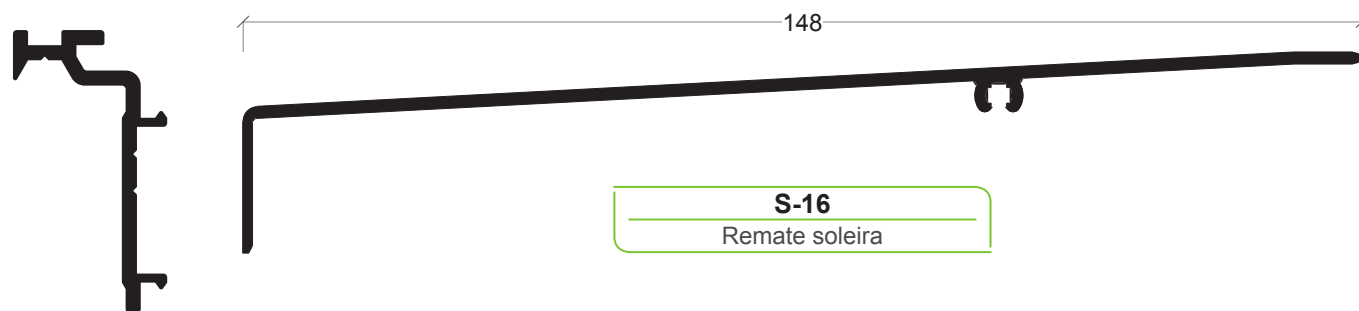
ARi-34
Tapa juntas



ARi-28
Tapa juntas



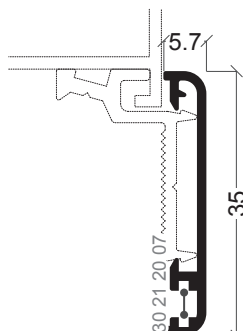
AXi-74
Remate soleira



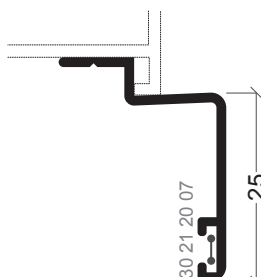
S-16
Remate soleira



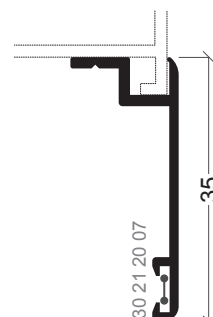
ARi-26
Mola tapa juntas



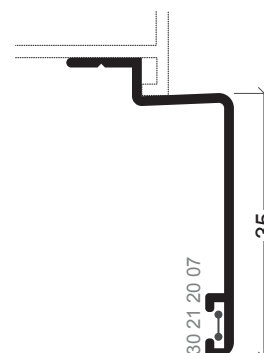
ARi-30
Tapa juntas



ARi-66
Tapa juntas



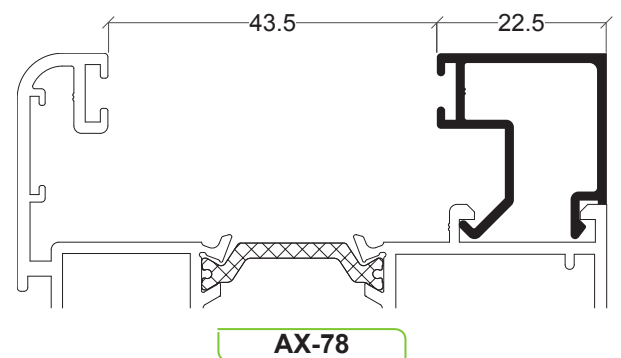
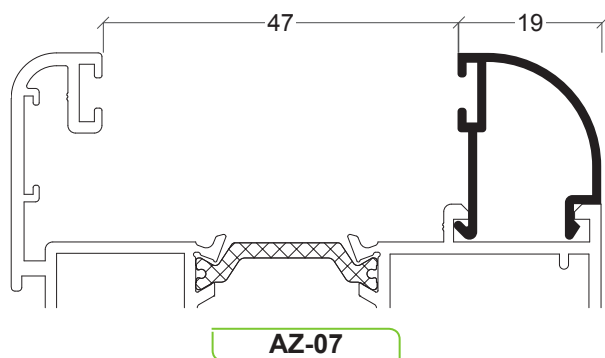
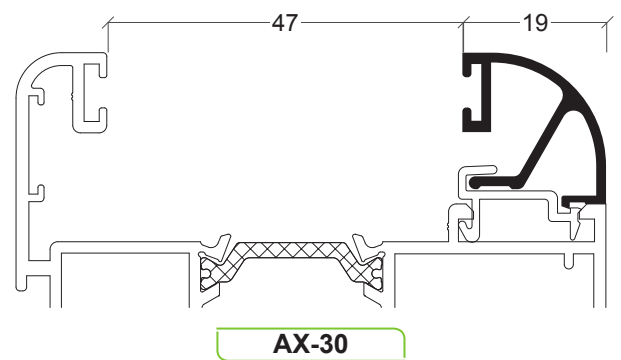
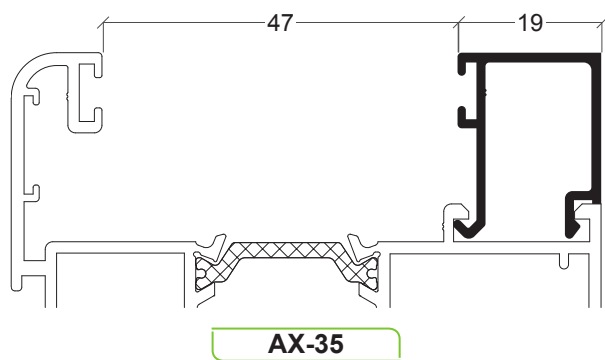
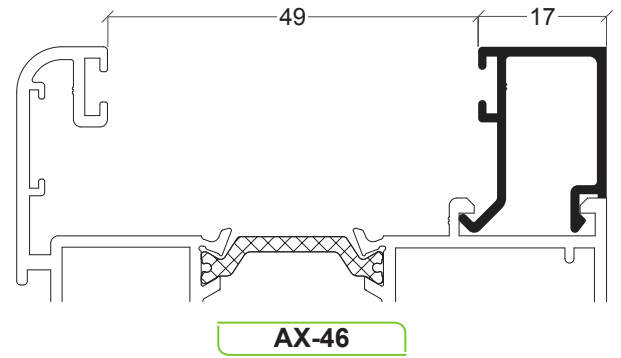
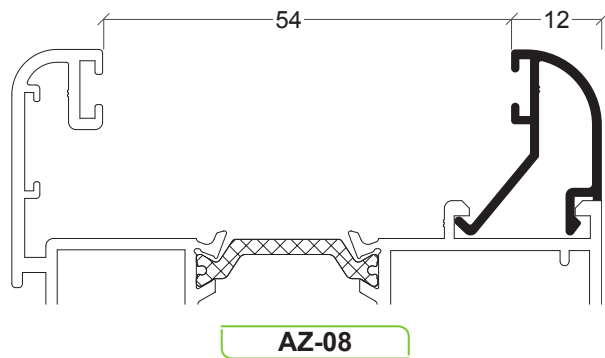
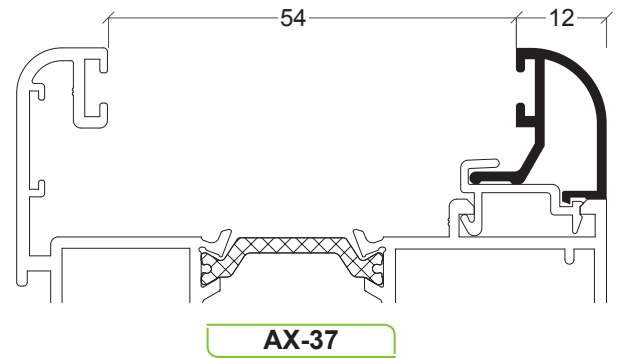
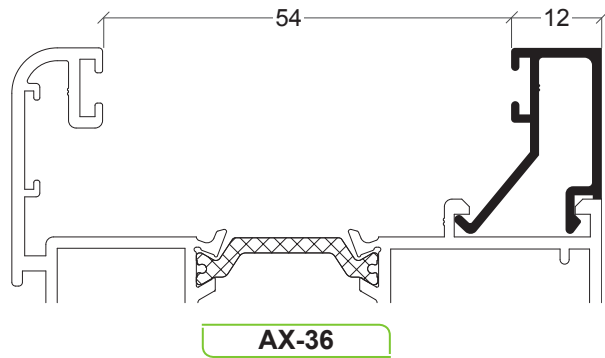
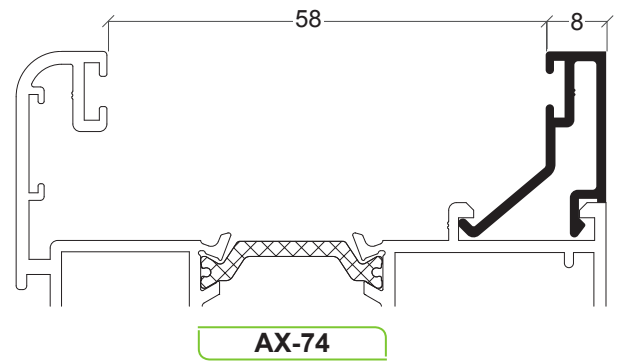
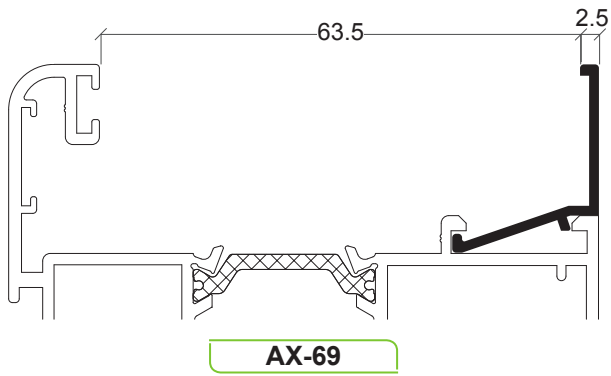
ARi-31
Tapa juntas

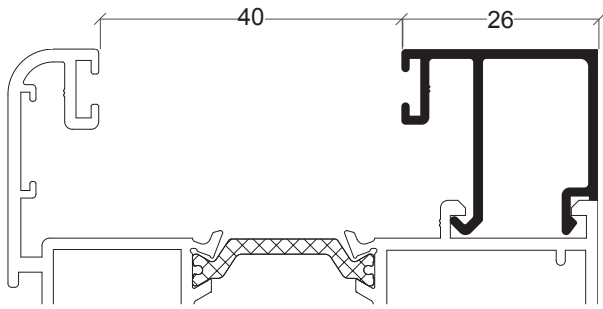


ARi-37
Tapa juntas

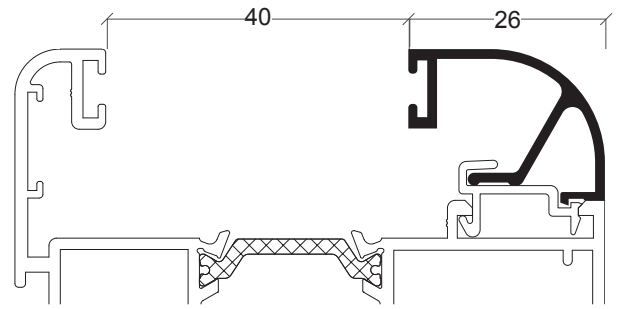


ARi-24
Mola tapa juntas

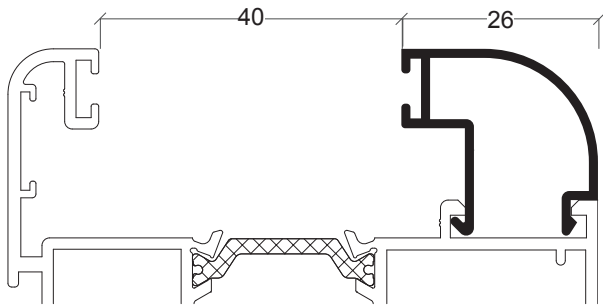




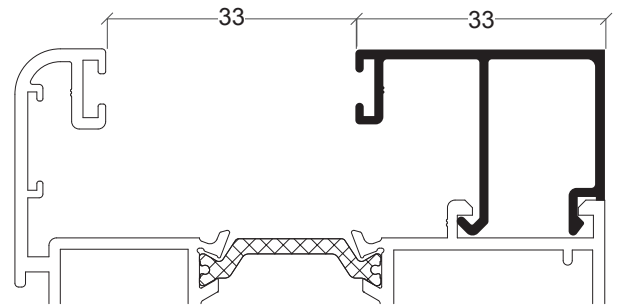
AX-31



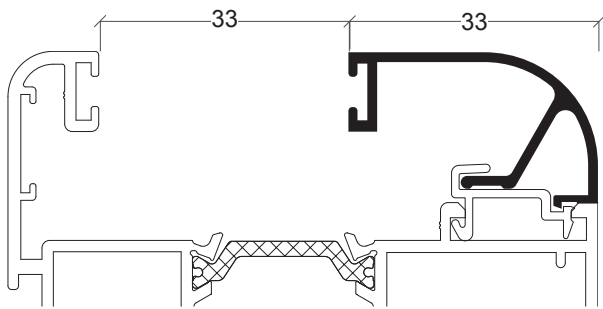
AX-29



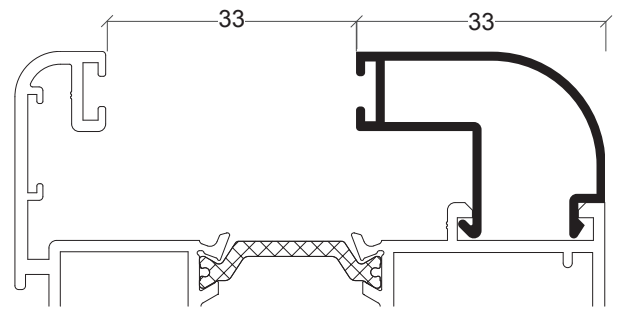
AZ-06



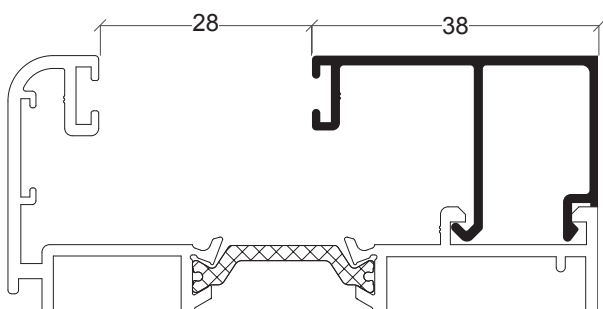
AX-34



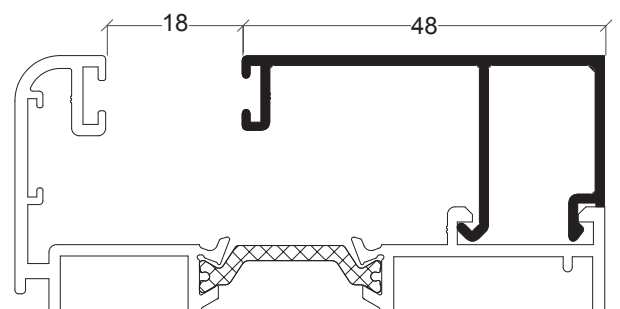
AX-39



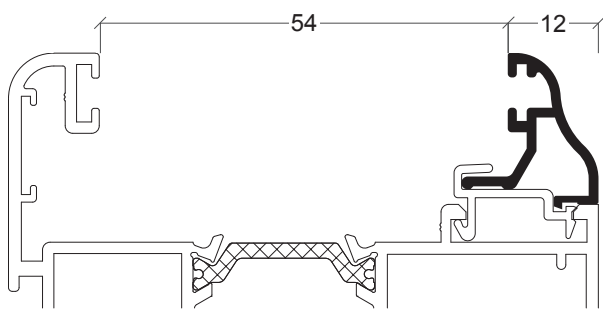
AZ-28



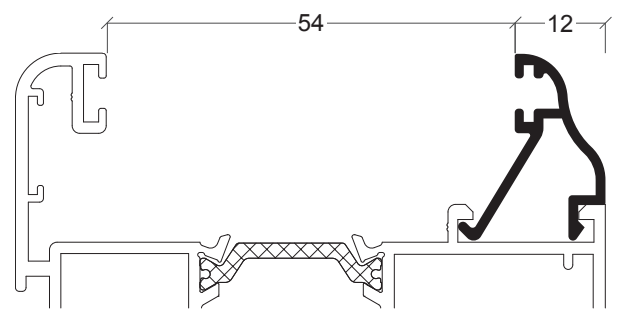
AX-32



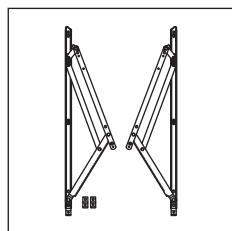
AX-80



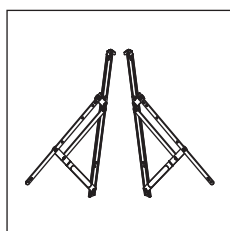
AX-72



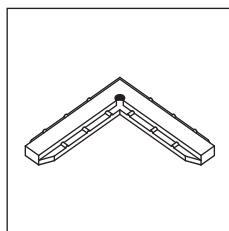
AX-73

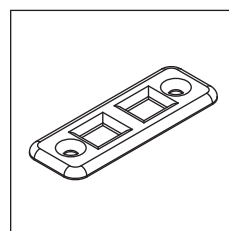

30 00 95 21

Jogo compasso (180 kg)

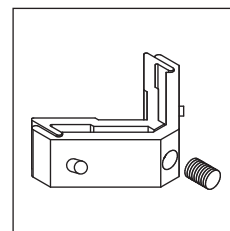

30 00 95 71

Jogo compasso (60 kg)

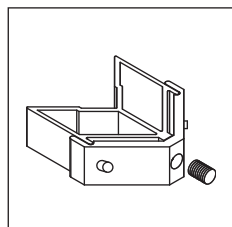

30 21 20 07

 Esquadro de
alinhamento

30 24 30 75

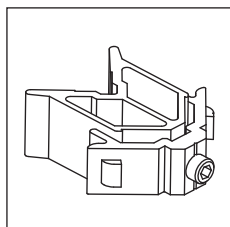
Contra-fecho inox

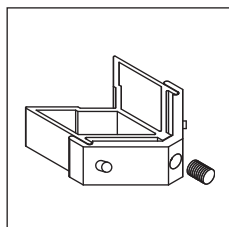

30 60 00 01

Esquadro exterior janela

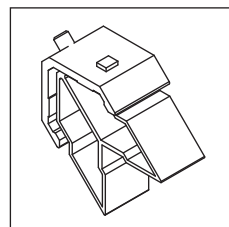

30 60 00 02

Esquadro exterior porta

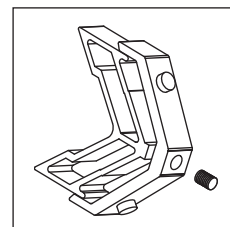

30 60 00 03

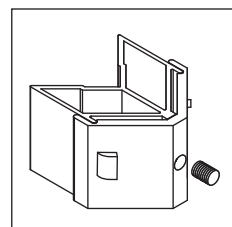
 Esquadro interior porta
com clip

30 60 00 04

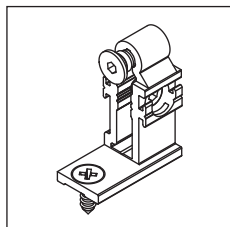
Esquadro exterior porta

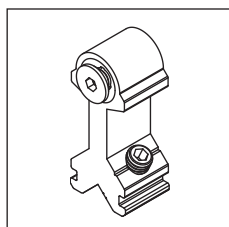

30 60 00 05

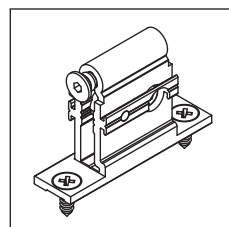
Esquadro interior porta

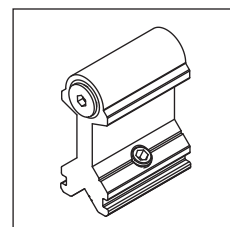

30 60 00 06

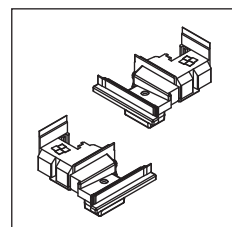
 Esquadro interior
projectante

30 60 00 07

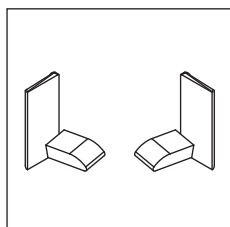
 Esquadro exterior
projectante

30 60 00 08

 União travessa exterior
pequena fixo

30 60 00 09

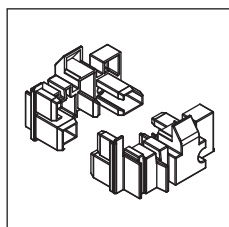
 União travessa interior
pequena

30 60 00 10

 União travessa exterior
grande fixo/móvel

30 60 00 11

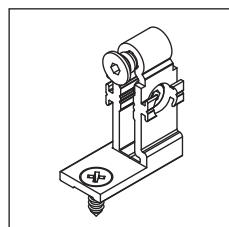
 União travessa interior
grande

30 60 00 12

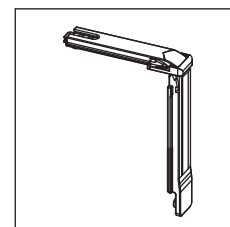
 Conjunto topos inversor
AJi

30 60 00 13

Conjunto topos AJi-62

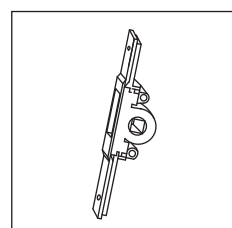

30 60 00 15

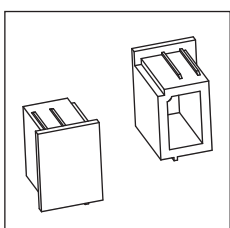
Conjunto topos AJi-63

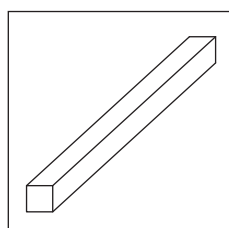

30 60 00 16

 União travessa exterior
pequena móvel

30 90 20 42

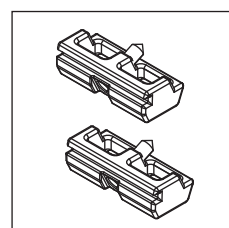
Ângulo de reenvio


30 90 20 44

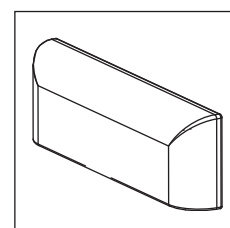
 Transmissão para
abertura exterior

30 91 21 20

 Jogo topos condensação
Y-20

30 91 41 23

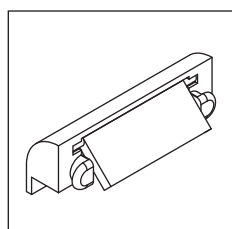
Perno 7 x 131 mm

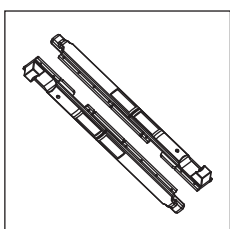

30 92 00 50

Complemento fecho


30 92 01 00/01

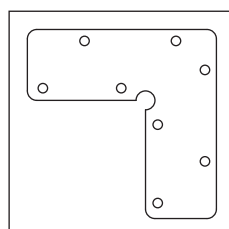
Goteira preto/branco

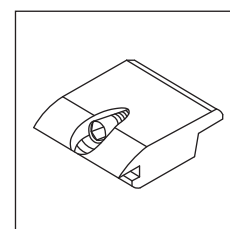

30 92 01 02/03

 Goteira com válvula
preto / branco

30 92 01 20

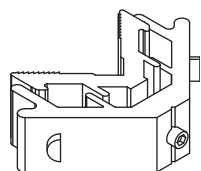
Jogo fecho C.E.


30 92 01 23

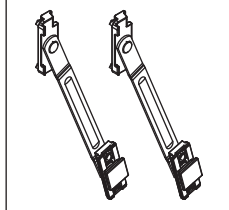
 Jogo de passadores
bidireccional C.E.

30 92 01 35

 Esquadro de
alinhamento

30 92 02 60

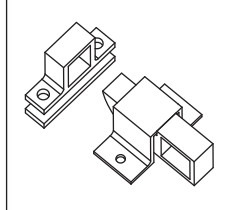
Apoio da folha


30 92 04 25

Esquadro interior janela fixo com clip


30 92 04 75

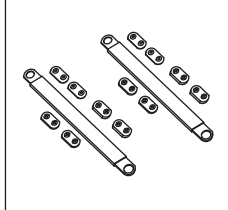
Jogo compassos basculante


30 92 04 76/77

Fecho clack branco/preto


30 92 04 80

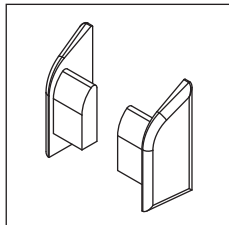
Compasso projectante deslizante até 50 kg / folha


30 92 04 85

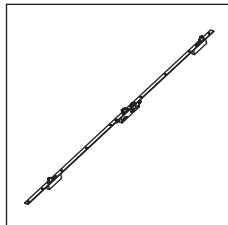
Jogo compassos


30 92 04 90

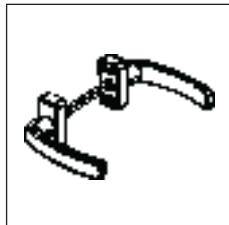
Compasso projectante deslizante até 70 kg / folha


30 92 05 00

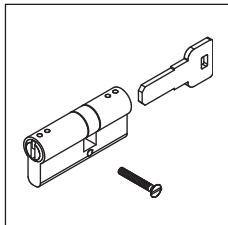
Jogo topos


30 92 05 10

Fechadura 3 pontos (35 mm)


30 92 05 15

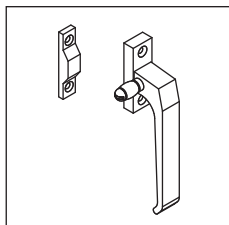
Fecho de alavanca com 5 pontos de fecho


30 92 05 55

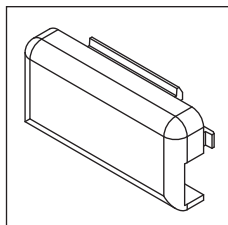
Canhão fechadura


30 92 06 00

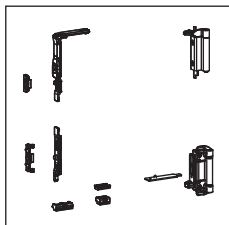
Compasso projectante deslizante até 20 kg / folha


30 92 06 10/11

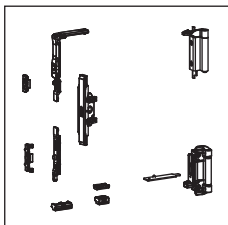
Cremone de lingueta branco/preto


30 92 13 04

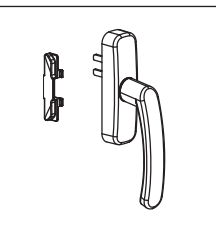
Goteira preta


30 92 22 46/47

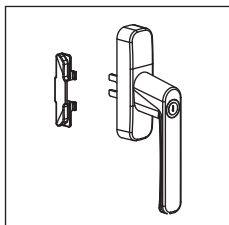
Kit OB sem cremone branco/preto


30 92 22 48/49

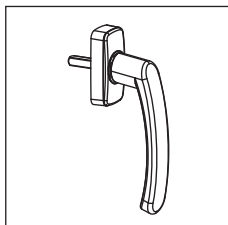
Kit OB com transmissão branco/preto sem puxador


30 92 22 50/51

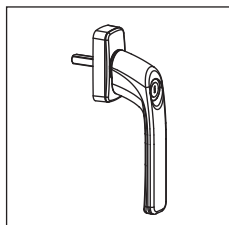
Cremone branco/preto


30 92 22 52/53

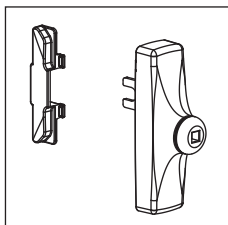
Cremone com chave branco/preto


30 92 22 54/55

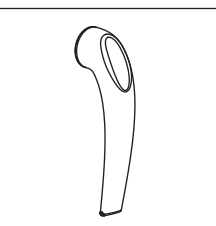
Puxador branco/preto


30 92 22 56/57

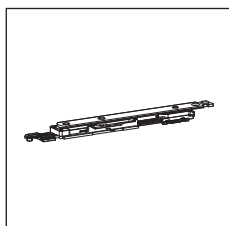
Puxador com chave branco/preto


30 92 22 58/59

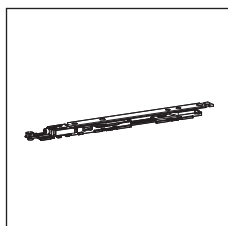
Cremone extraível branco/preto


30 92 22 60/61

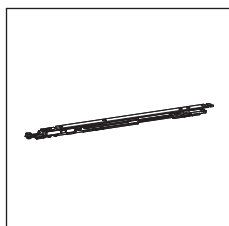
Punho extraível branco/preto


30 92 22 62

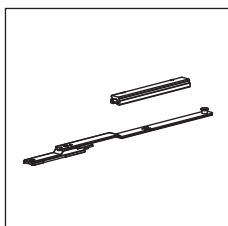
Compasso OB pequeno 340 - 441


30 92 22 63

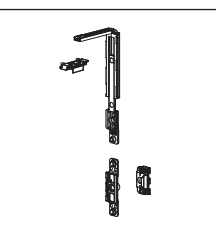
Compasso OB médio 442 - 750


30 92 22 64

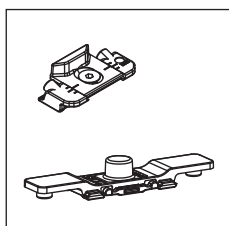
Compasso OB grande 751 - 1500


30 92 22 65

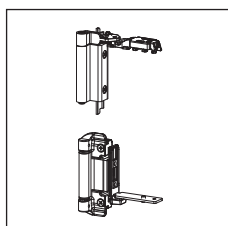
Compasso OB suplementar 1001 - 1500


30 92 22 66

Kit 3º ponto OB


30 92 22 67

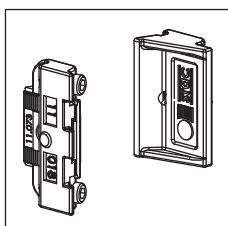
Ponto de fecho suplementar


30 92 22 68/69

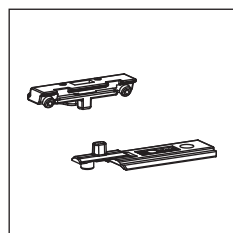
Kit dobradiça 2ª folha OB branco/preto


30 92 22 70

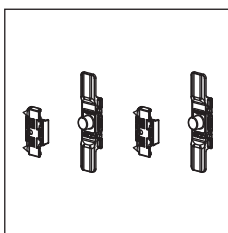
Kit fechos 2ª folha OB


30 92 22 71

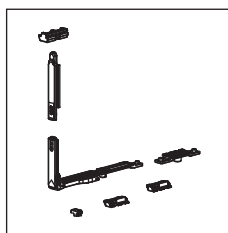
Conjunto ponto fecho suplementar folha passiva


30 92 22 72

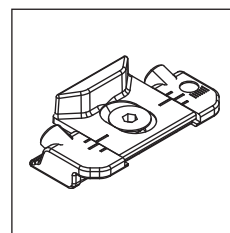
Conjunto micro-ventilação


30 92 22 73

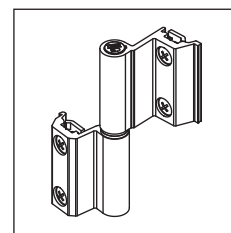
Kit batente 1 folha Anírius S/ cremone


30 92 22 74

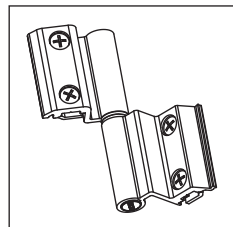
Kit batente 2 folhas Anírius S/ cremone


30 92 22 75

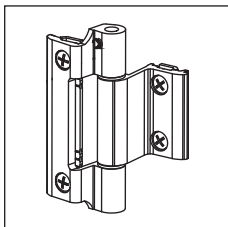
Ponto de fecho regulável (H > 1100 mm)


30 92 22 76/77

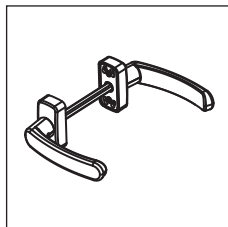
Dobradiça com afinação branco/preto


30 92 22 78/79

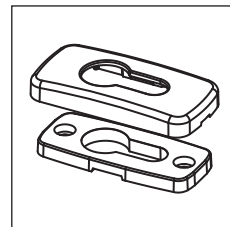
Dobradiça com afinação 3ª folha branco/preto


30 92 22 80/81

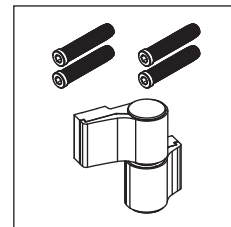
Dobradiça 3 nós reversível branco/preto


30 92 22 82/83

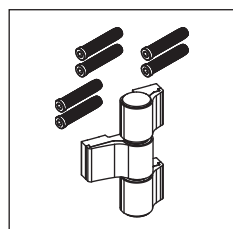
Puxador duplo branco/preto


30 92 22 85/86

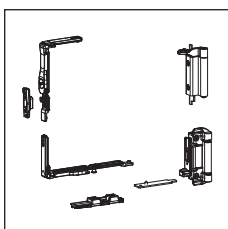
Escudo para canhão branco/preto


30 92 22 88/89

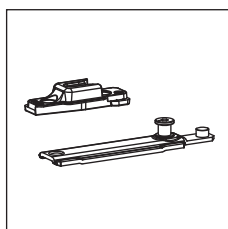
Dobradiça 2 abas porta c/ ressalto fixação directa branco/preto


30 92 22 90/91

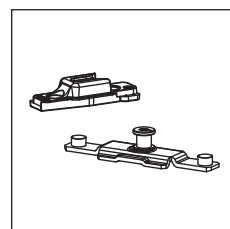
Dobradiça 3 abas porta c/ ressalto fixação directa branco/preto


30 92 23 00/01

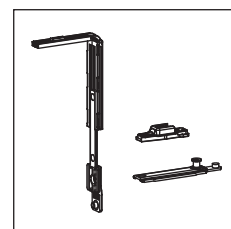
Kit oscilo-batente sem cremone branco/preto


30 92 23 02

Conjunto ponto de fecho terminal


30 92 23 03

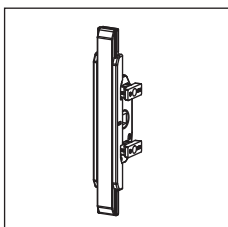
Conjunto ponto de fecho intermédio


30 92 23 04

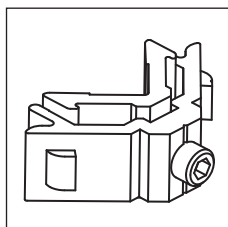
Kit ângulo de reenvio


30 92 23 05

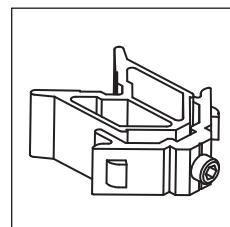
Jogo passadores OB bidirecional


30 92 23 06

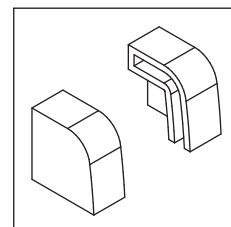
Transmissão


30 96 00 04

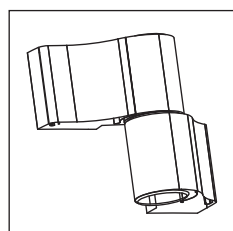
Esquadro interior janela


30 96 00 05

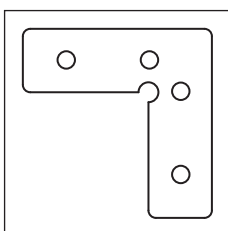
Esquadro interior aro fixo porta


30 96 00 12

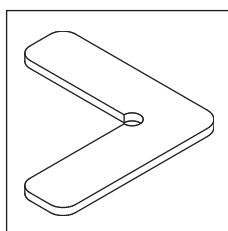
Jogo topos condensação


30 96 00 17/21

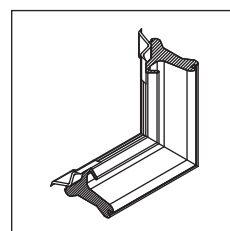
Dobradiça com ressalto branco/preto


30 96 00 22

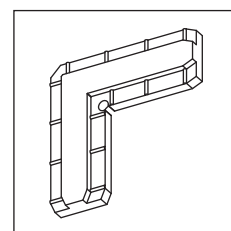
Esquadro alinhamento


30 96 00 23

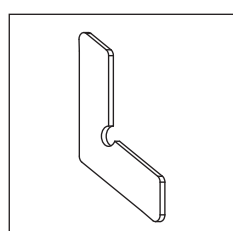
Esquadro alinhamento aro fixo


30 96 00 35

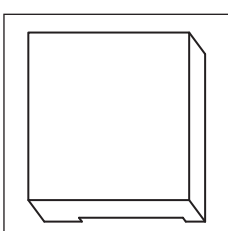
Canto vulcanizado


30 96 00 43

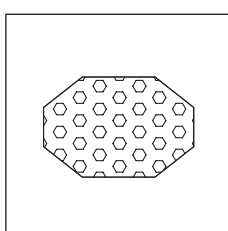
Esquadro alinhamento


30 96 00 63

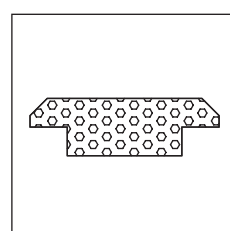
Esquadro alinhamento


30 96 10 01

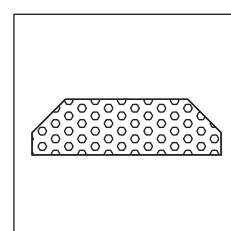
Calço para vidro aro móvel


30 99 00 03

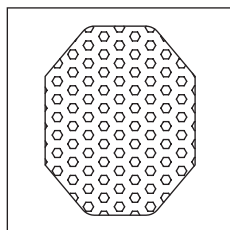
ThermoProfile ISO-03


30 99 00 04

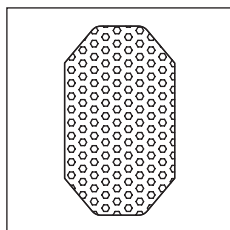
ThermoProfile ISO-04


30 99 00 05

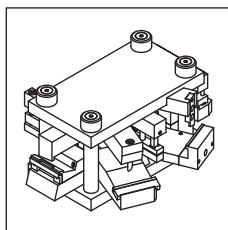
ThermoProfile ISO-05



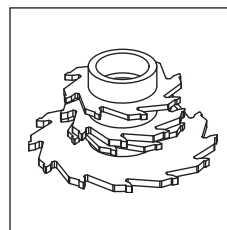
30 99 00 08
ThermoProfile ISO-08



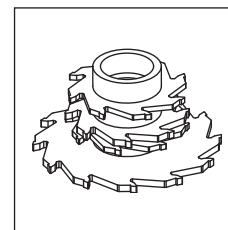
30 99 00 12
ThermoProfile ISO-12



33 98 11 99
Cunho AJi

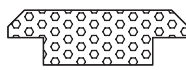
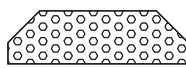


33 98 31 99
Conjunto de frezas fixo

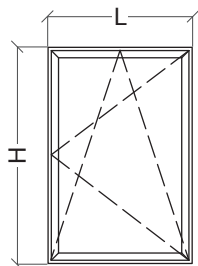


33 98 32 99
Conjunto de frezas móvel

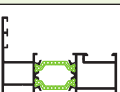
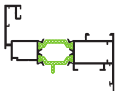
Referência	Desenho	Descrição
30 00 95 15		Junta de vedação curta AZ-79
30 60 00 14		Perfil pelúcia metálica 18 mm preto
30 60 00 17		Junta exterior vidro plana 2 mm preto
30 60 00 18		Junta Isolante
30 92 04 70		Espuma isolante
30 93 00 60		Junta exterior do vidro (4 mm) preto
30 93 00 61		Junta de vedação exterior (2 mm) preto
30 93 00 62		Junta exterior plana para vidro (4 mm) preto
30 93 00 65		Junta interior para vidro (5 mm) preto
30 93 00 66		Junta interior para vidro (4 mm) preto
30 93 00 67		Junta interior para vidro (2 mm) preto
30 93 00 68		Junta interior para vidro (6/7 mm) preto
30 93 00 69		Junta interior para vidro (8/9 mm) preto
30 93 00 82		Junta vedação inferior AZ-79
30 93 01 20		Junta interior
30 94 01 46		Junta para veda-luz AZ-22
30 95 00 10		Pelúcia 7x9 mm
30 96 00 03		Junta central
30 96 00 09		Junta tapa-canal aro fixo
30 96 00 18		Junta interior (abertura projectante/deslizante)

Referência	ThermoProfile (Baguetes de 70 cm)	Aplicação
30 99 00 03		AJi-01; AJi-03; AJi-04; AJi-05; AJi-07; AJi-20; AJi-21; AJi-33; AJi-35; AJi-61; AJi-65 AJi-67; AJi-71; AJi-73; AJi-74; AJi-75; AJi-76; AJi-80; AJi-81; AJi-83; AJi-86; AJi-87; AJi-88; AJi-89; AJi-91; AJi-95
30 99 00 04		AJi-01; AJi-03; AJi-06; AJi-08; AJi-12; AJi-20; AJi-33; AJi-35; AJi-68; AJi-73; AJi-74; AJi-75; AJi-76; AJi-79; AJi-80; AJi-81; AJi-86; AJi-87; AJi-88; AJi-89; AJi-91; AJi-92; AJi-93; AJi-94
30 99 00 05		AJi-05; AJi-07; AJi-10; AJi-36; AJi-61; AJi-72; AJi-83; AJi-84; AJi-85; AJi-90; AJi-95
30 99 00 08		AJi-06; AJi-08; AJi-68; AJi-79; AJi-92; AJi-93; AJi-94
30 99 00 12		AJi-10; AJi-16; AJi-36; AJi-64; AJi-72; AJi-84; AJi-85; AJi-90

Janela 1 folha abrir e oscilo-batente



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	AJi-03	Aro fixo		2	L
				2	H-28.5 mm
	AJi-61	Aro móvel		2	L-43 mm
				2	H-71.5 mm
	---	Bite		2	L-132 mm
				2	H-200.5 mm
	AX-19	Vareta		várias	---
	AJi-71	Soleira		1	L

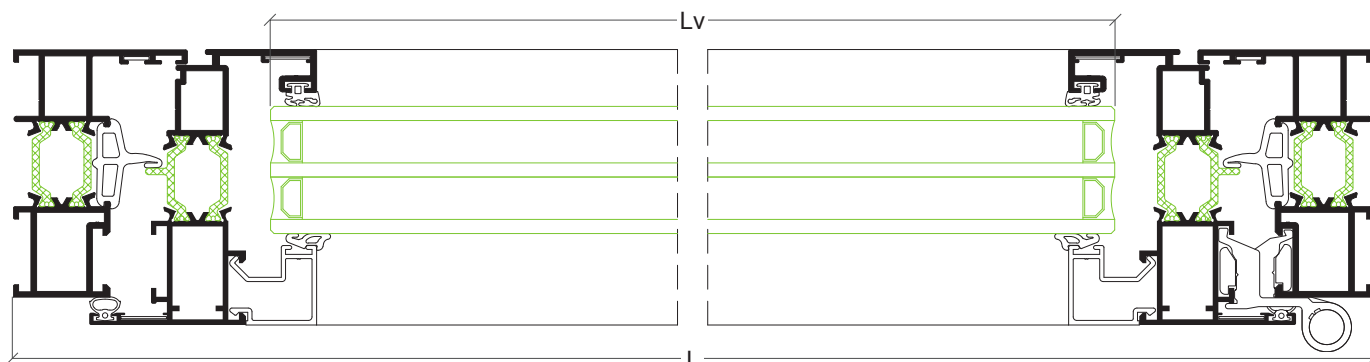
Acessórios e Juntas

Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 96 00 04	Esquadro interior	8	
30 60 00 01	Esquadro exterior	8	
30 96 00 23	Esquadro alinhamento fixo	4	
30 96 00 22	Esquadro alinhamento móvel	8	
30 96 10 01	Calço para vidro	4	6
30 92 22 (XX)	Cremone	1	
---	Ferragem oscilo-batente (ver páginas 27/28)	---	1
30 92 22 73	Kit batente 1 folha sem cremone	1	---
30 92 22 76/77	Dobradiça com afinação branco/preto	2 ou mais	---
30 92 22 75	Ponto de fecho regulável (H > 1100 mm)	1	---
30 92 02 60	Apoio da folha	1	---
30 92 01 02	Goteira com válvula preto	4 ou mais	
30 96 00 12	Jogo topos condensação	1	
30 92 04 70	Espuma isolante	L	
30 93 01 20	Junta interior	2L+2H	
30 96 00 03	Junta central	2L+2H	
30 96 00 35	Canto vulcanizado	4	
---	Junta para vidro (exterior)	2L+2H	
---	Junta para vidro (interior)	2L+2H	

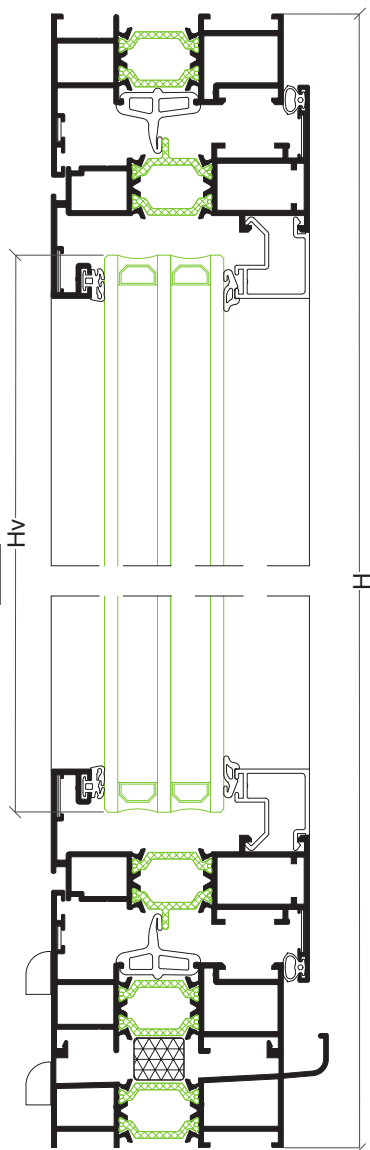
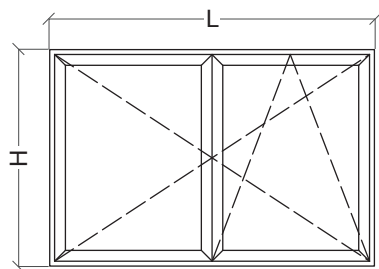
21

Vidro

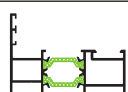
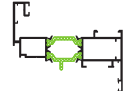
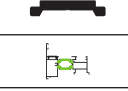
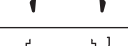
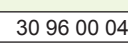
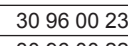
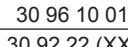
Hv = H-174 mm	Lv = L-146 mm
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Janela 2 folhas abrir e oscilo-batente



Perfis

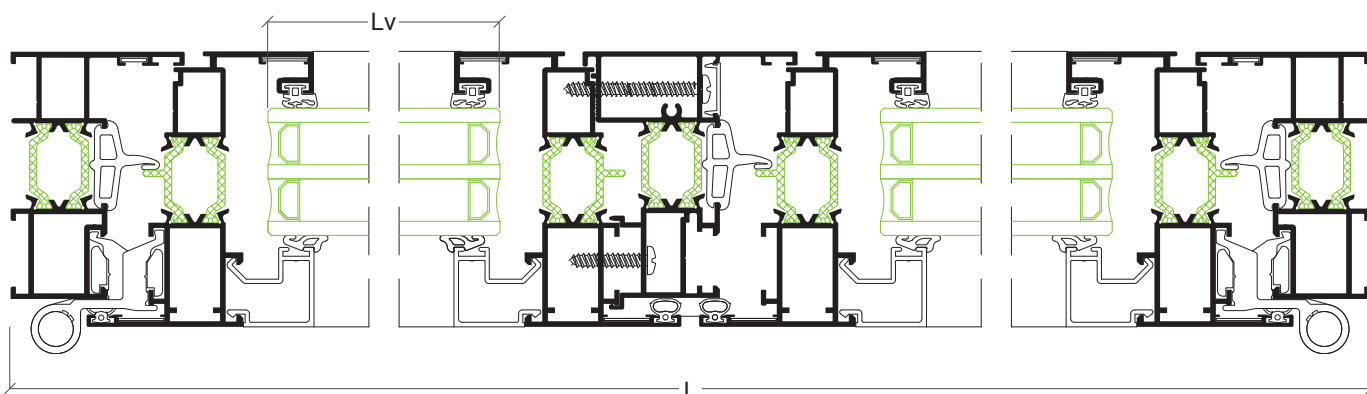
Desenho	Ref	Descrição	Corte	Quant	Medida
	AJi-03	Aro fixo		2	L
	AJi-61	Aro móvel		2	H-28.5 mm
	---	Bite		2	L/2-24 mm
	---	Bite		2	H-71.5 mm
	AX-19	Vareta		4	L/2-113 mm
	---	Vareta		4	H-200.5 mm
	AJi-04	Inversor		várias	---
	---	Inversor		1	H-139.5 mm
	KL-04	Perfil tampa		1	H-139.5 mm
	AJi-71	Soleira		1	L

Acessórios e Juntas

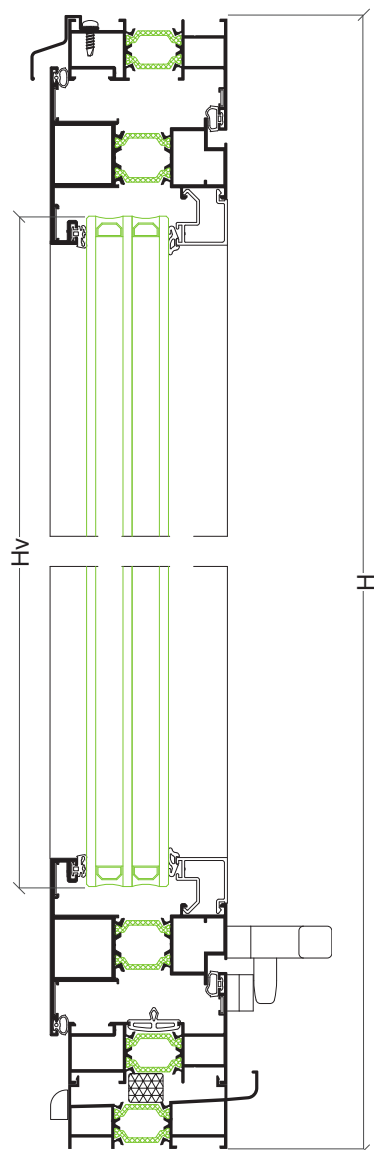
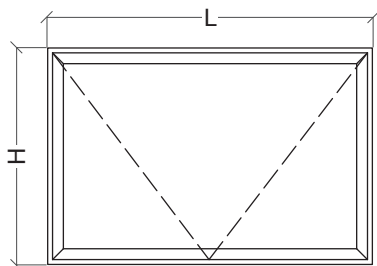
Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 96 00 04	Esquadro interior	12	
30 60 00 01	Esquadro exterior	12	
30 96 00 23	Esquadro alinhamento fixo	4	
30 96 00 22	Esquadro alinhamento móvel	16	
30 96 10 01	Calço para vidro	8	12
30 92 22 (XX)	Cremone	1	
---	Ferragem oscilo-batente (ver páginas 27/28)	---	1
30 92 22 74	Kit batente 2 folhas sem cremone	1	---
30 92 01 23	Jogo de passadores bidireccional C.E.	1	---
30 92 22 76/77	Dobradiça com afinação branco/preto	4 ou mais	---
30 92 22 75	Ponto de fecho regulável (H > 1100 mm)	1	---
30 92 02 60	Apoio da folha	1	---
30 92 01 02	Goteira com válvula preto	4 ou mais	
30 60 00 12	Jogo topos inversor	1	
30 96 00 12	Jogo topos condensação	1	
30 92 04 70	Espuma isolante	L	
30 93 01 20	Junta interior	2L+4H	
30 96 00 03	Junta central	2L+3H	
30 96 00 35	Canto vulcanizado	4	
---	Junta para vidro (exterior)	2L+4H	
---	Junta para vidro (interior)	2L+4H	

Vidro

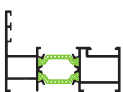
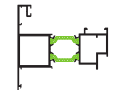
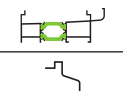
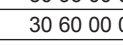
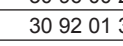
Hv = H-174 mm	Lv = L-127 mm
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Janela projectante



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	AJi-03	Aro fixo		2	L
	AJi-95	Aro móvel		2	H-28.5 mm
				2	L-43 mm
				2	H-71.5 mm
	---	Bite		2	L-159.5 mm
				2	H-228 mm
	AJi-71	Soleira		1	L
	AXi-45	Pingadeira		1	L
	AXi-32	Complemento		1	segundo medida do compasso

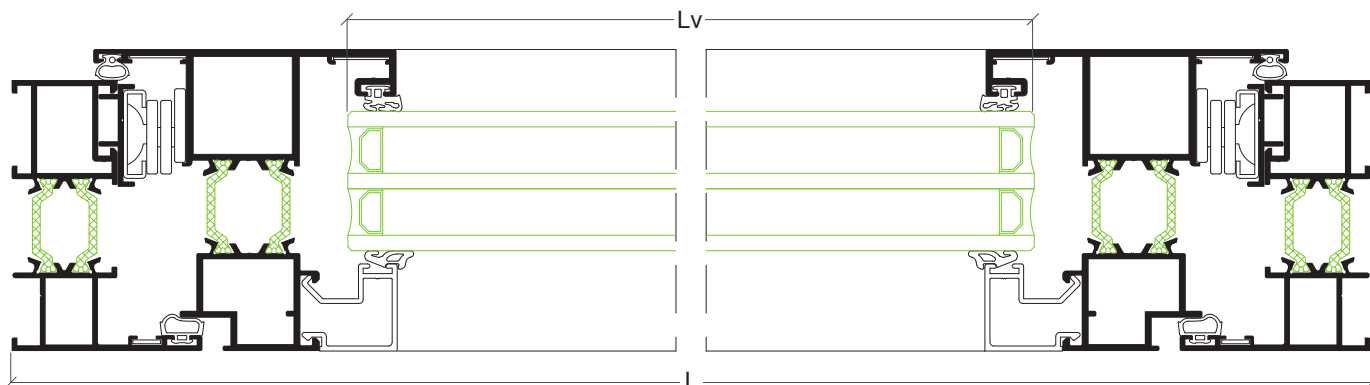
Acessórios e Juntas

Referência	Descrição	Quantidade
30 96 00 04	Esquadro interior	4
30 60 00 01	Esquadro exterior	4
30 96 00 23	Esquadro alinhamento fixo	4
30 92 01 35	Esquadro alinhamento móvel	8
30 96 00 06	Esquadro interior	4
30 96 00 07	Esquadro exterior	4
30 96 10 01	Calço para vidro	4
30 96 06 10 ou 11	Cremone de lingueta	2
---	Jogo compasso projectante	1
30 92 01 02	Goteira com válvula preto	2 ou mais
30 96 00 12	Jogo topos condensação	1
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
30 96 00 09	Junta tapa-canal	L
---	Junta para vidro (exterior)	2L+2H
---	Junta para vidro (interior)	2L+2H

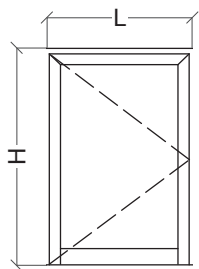
23

Vidro

Hv = H-202 mm	Lv = L-173 mm
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Porta 1 folha



Perfis

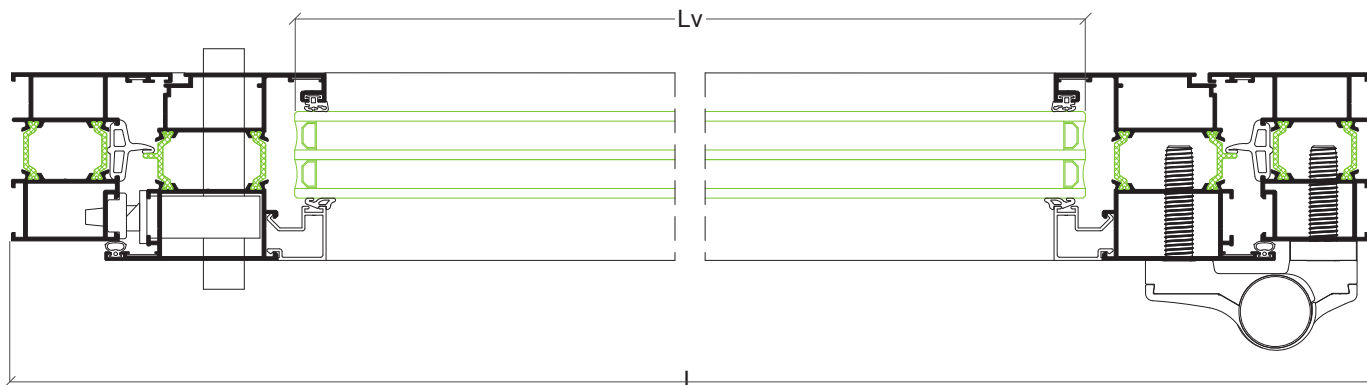
Desenho	Ref	Descrição	Corte	Quant	Medida
	AJi-08	Aro fixo		1	L
				2	H
	AJi-36	Aro móvel		2	L-78 mm
				2	H-50 mm
	---	Bite		2	L-222 mm
				2	H-234 mm
	AJi-63	Remate inferior porta		1	L-80.5 mm
	AZ-79	Pingadeira		1	L-135 mm
	KL-04	Perfil tampa		1	L-90 mm

Acessórios e Juntas

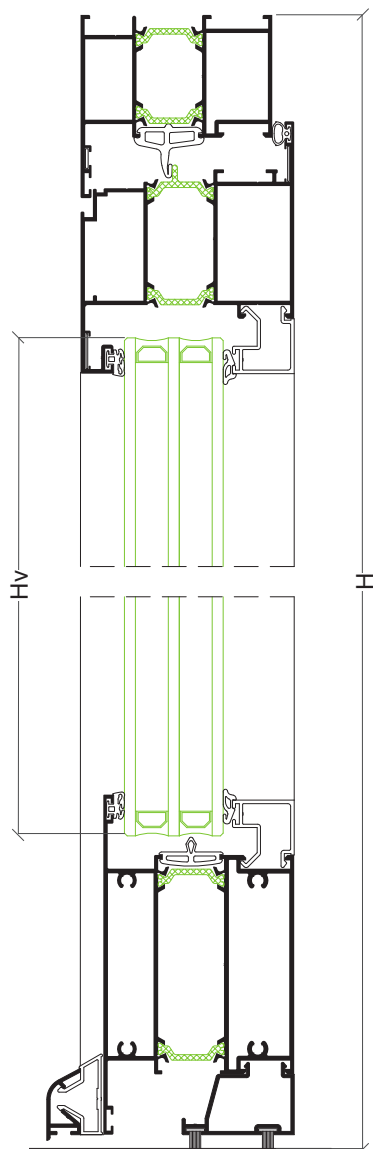
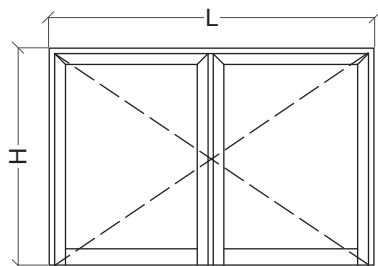
Referência	Descrição	Quantidade
30 96 00 05	Esquadro interior	2
30 60 00 02	Esquadro exterior	2
30 60 00 05	Esquadro interior móvel	4
30 60 00 04	Esquadro exterior móvel	4
30 96 00 23	Esquadro alinhamento fixo	2
30 96 00 22	Esquadro alinhamento móvel	8
30 96 10 01	Calço para vidro	4
30 92 22 88 ou 89	Dobradiça 2 abas porta	2
30 92 05 10	Fechadura 3 pontos	1
30 92 22 82 ou 83	Puxador duplo	1
30 92 22 85 ou 86	Escudo para canhão	2
30 92 05 55	Canhão fechadura	1
30 93 01 20	Junta interior	2L+2H
30 96 00 03	Junta central	L+2H
30 96 00 35	Canto vulcanizado	2
30 92 05 00	Conjunto topos pingadeira	1
30 00 95 15	Junta inferior curta	L
30 93 00 82	Junta inferior	L
---	Junta para vidro (exterior)	2L+2H
---	Junta para vidro (interior)	2L+2H

Vidro

Hv = H-208 mm	Lv = L-236 mm
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Porta 2 folhas



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	AJi-08	Aro fixo		1	L
				2	H
	AJi-36	Aro móvel		2	L/2-41.5 mm
				4	H-44 mm
	---	Bite		4	L/2-185.5 mm
				4	H-258 mm
	AJi-04	Inversor		1	H-78 mm
	KL-04	Perfil tampa		1	H-78 mm
	AJi-12	Travessa		2	L/2-176.5 mm
	AJi-82	Bite remate		2	L/2-185.5 mm
	AZ-60	Pingadeira		1	L/2-103 mm
				1	L/2-39 mm
	AZ-61	Suplemento pingadeira		2	L/2-226 mm

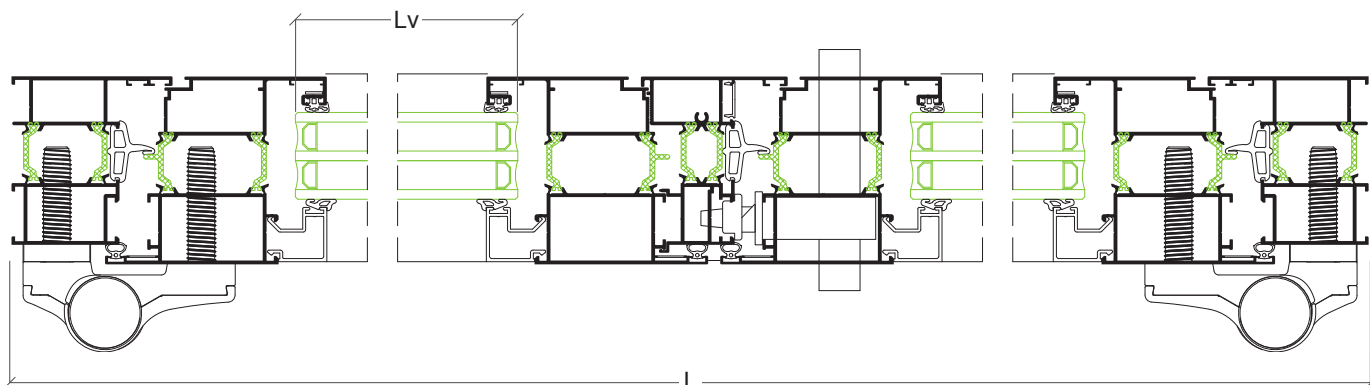
Acessórios e Juntas

Referência	Descrição	Quantidade
30 96 00 05	Esquadro interior	2
30 60 00 02	Esquadro exterior	2
30 60 00 05	Esquadro interior móvel	4
30 60 00 04	Esquadro exterior móvel	4
30 96 00 23	Esquadro alinhamento fixo	2
30 96 00 22	Esquadro alinhamento móvel	8
30 60 00 12	Jogo topos inversor	1
30 92 22 88 ou 89	Dobradiça 2 abas porta	4
30 92 05 10	Fechadura 3 pontos	1
30 92 22 82 ou 83	Puxador duplo	1
30 92 22 85 ou 86	Escudo para canhão	2
30 92 05 55	Canhão fechadura	1
30 92 00 50	Contra-fecho	1
30 24 30 75	Contra-fecho inferior	1
30 92 01 20	Jogo fecho C.E.	1
30 93 01 20	Junta interior	L+4H
30 96 00 03	Junta central	L+3H
30 96 00 35	Canto vulcanizado	2
30 92 05 00	Conjunto topos pingadeira	1
30 95 00 10	Pelúcia	2L
---	Junta para vidro (exterior)	2L+4H
---	Junta para vidro (interior)	2L+4H
30 96 00 09	Junta tapa-canal	2L

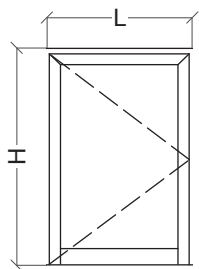
25

Vidro

Hv = H-232 mm	Lv = L/2-200 mm
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Porta 1 folha abertura exterior



Perfis

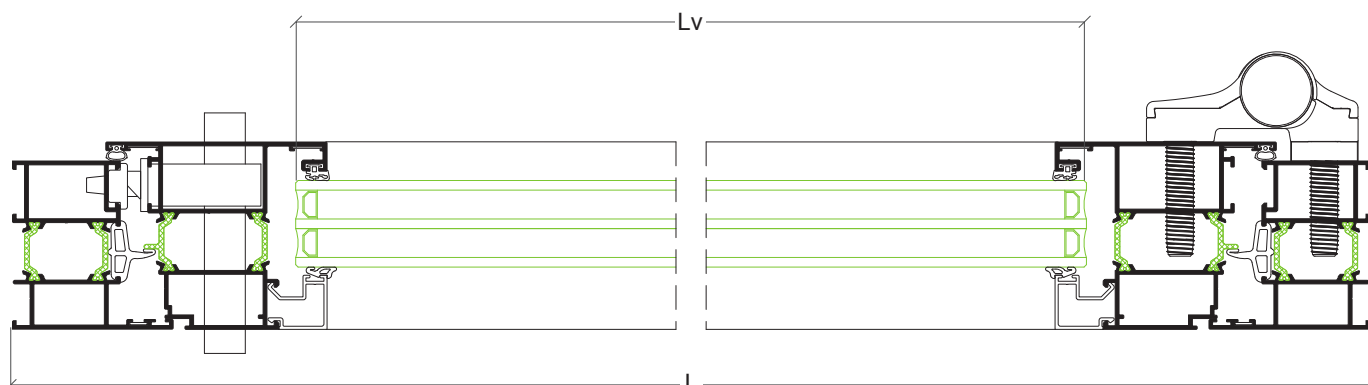
Desenho	Ref	Descrição	Corte	Quant	Medida
	AJi-08	Aro fixo		1	L
				2	H
	AJi-72	Aro móvel		2	L-78 mm
				2	H-50 mm
	---	Bite		2	L-222 mm
				2	H-234 mm
	AJi-63	Remate inferior porta		1	L-80.5 mm
	AJi-62	Pingadeira		1	---
	KL-04	Perfil tampa		1	L-90 mm

Acessórios e Juntas

Referência	Descrição	Quantidade
30 96 00 05	Esquadro interior	2
30 60 00 02	Esquadro exterior	2
30 60 00 05	Esquadro interior móvel	4
30 60 00 04	Esquadro exterior móvel	4
30 96 00 23	Esquadro alinhamento fixo	2
30 96 00 22	Esquadro alinhamento móvel	8
30 96 10 01	Calço para vidro	4
30 92 22 88 ou 89	Dobradiça 2 abas porta	2
30 92 05 10	Fechadura 3 pontos	1
30 92 22 82 ou 83	Puxador duplo	1
30 92 22 85 ou 86	Escudo para canhão	2
30 92 05 55	Canhão fechadura	1
30 93 01 20	Junta interior	2L+2H
30 96 00 03	Junta central	L+2H
30 96 00 35	Canto vulcanizado	2
30 60 00 13	Conjunto topos AJi-62	1
30 60 00 14	Pelúcia preta 18 mm	2L
---	Junta para vidro (exterior)	2L+2H
---	Junta para vidro (interior)	2L+2H

Vidro

Hv = H-208 mm	Lv = L-236 mm
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Ferragens para oscilo-batente

Designação	Referência		
Kit oscilo-batente	30 92 22 46 (branco) 30 92 22 47 (preto)	1	
Cremone	30 92 22 50 ou 51 ou 30 92 22 52 ou 53 ou 30 92 22 58 + 30 92 22 60 ou 30 92 22 59 + 30 92 22 61	1	
Compasso pequeno	30 92 22 62	1	
Kit fecho 3º ponto	30 92 22 66		1

Designação	Referência		
Kit oscilo-batente	30 92 22 46 (branco) 30 92 22 47 (preto)	1	
Cremone	30 92 22 50 ou 51 ou 30 92 22 52 ou 53 ou 30 92 22 58 + 30 92 22 60 ou 30 92 22 59 + 30 92 22 61	1	
Compasso médio	30 92 22 63	1	
Kit fecho 3º ponto	30 92 22 66		1

Designação	Referência		
Kit oscilo-batente	30 92 22 46 (branco) 30 92 22 47 (preto)	1	
Cremone	30 92 22 50 ou 51 ou 30 92 22 52 ou 53 ou 30 92 22 58 + 30 92 22 60 ou 30 92 22 59 + 30 92 22 61	1	
Compasso grande	30 92 22 64	1	
Kit fecho 3º ponto	30 92 22 66	1	2

Designação	Referência		
Kit oscilo-batente	30 92 22 46 (branco) 30 92 22 47 (preto)	1	
Cremone	30 92 22 50 ou 51 ou 30 92 22 52 ou 53 ou 30 92 22 58 + 30 92 22 60 ou 30 92 22 59 + 30 92 22 61	1	
Compasso grande	30 92 22 64	1	
Compasso suplementar	30 92 22 65	1	
Kit fecho 3º ponto	30 92 22 66	1	2

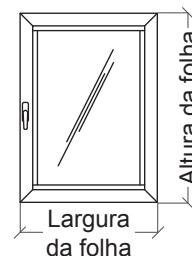
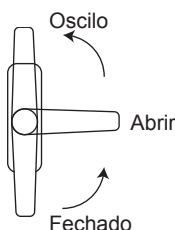
Ferragens para a 2ª folha

Designação	Referência		
Kit dobradiça 2ª folha	30 92 22 68 (branco) 30 92 22 69 (preto)	1	
Kit fechos para 2ª folha	30 92 22 70	1	
Conjunto ponto fecho suplementar	30 92 22 71		1

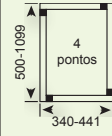
Peso máximo da folha: 120 kg (alumínio + vidro)

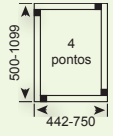
(confirmar com o quadro de dimensão/aplicação do mapa de montagem da ferragem O-B)

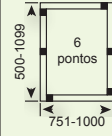
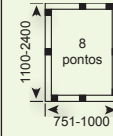
Largura mínima: 340 mm / Largura máxima: 1500 mm
Altura mínima: 500 mm / Altura máxima: 2400 mm (vão de 1 folha)
Altura mínima: 625 mm / Altura máxima: 2400 mm (vão de 2 folhas)

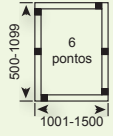
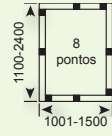


Ferragens para oscilo-batente com transmissão

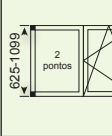
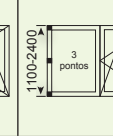
Designação	Referência		
Kit oscilo-batente com transmissão	30 92 22 48 (branco) 30 92 22 49 (preto)	1	
Puxador	30 92 22 54 ou 55 ou 30 92 22 56 ou 57	1	
Compasso pequeno	30 92 22 62	1	
Kit fecho 3º ponto	30 92 22 66		1

Designação	Referência		
Kit oscilo-batente com transmissão	30 92 22 48 (branco) 30 92 22 49 (preto)	1	
Puxador	30 92 22 54 ou 55 ou 30 92 22 56 ou 57	1	
Compasso médio	30 92 22 63	1	
Kit fecho 3º ponto	30 92 22 66		1

Designação	Referência		
Kit oscilo-batente	30 92 22 48 (branco) 30 92 22 49 (preto)	1	
Puxador	30 92 22 54 ou 55 ou 30 92 22 56 ou 57	1	
Compasso grande	30 92 22 64	1	
Kit fecho 3º ponto	30 92 22 66	1	2

Designação	Referência		
Kit oscilo-batente	30 92 22 48 (branco) 30 92 22 49 (preto)	1	
Puxador	30 92 22 54 ou 55 ou 30 92 22 56 ou 57	1	
Compasso grande	30 92 22 64	1	
Compasso suplementar	30 92 22 65	1	
Kit fecho 3º ponto	30 92 22 66	1	2

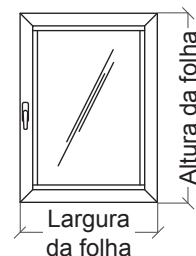
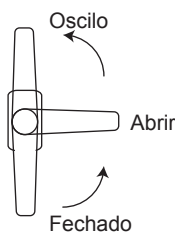
Ferragens para a 2ª folha

Designação	Referência		
Kit dobradiça 2ª folha	30 92 22 68 (branco) 30 92 22 69 (preto)	1	
Kit fechos para 2ª folha	30 92 22 70	1	
Conjunto ponto fecho suplementar	30 92 22 71		1

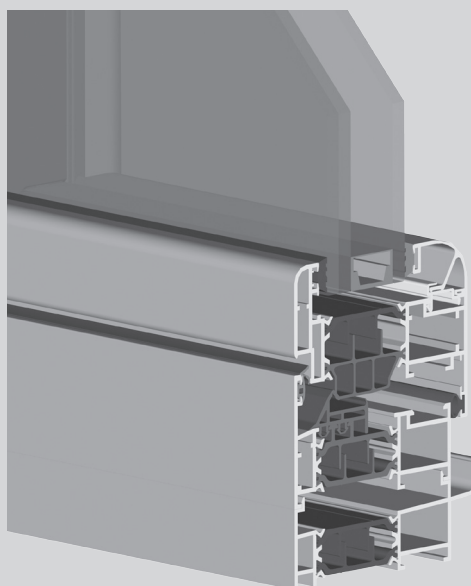
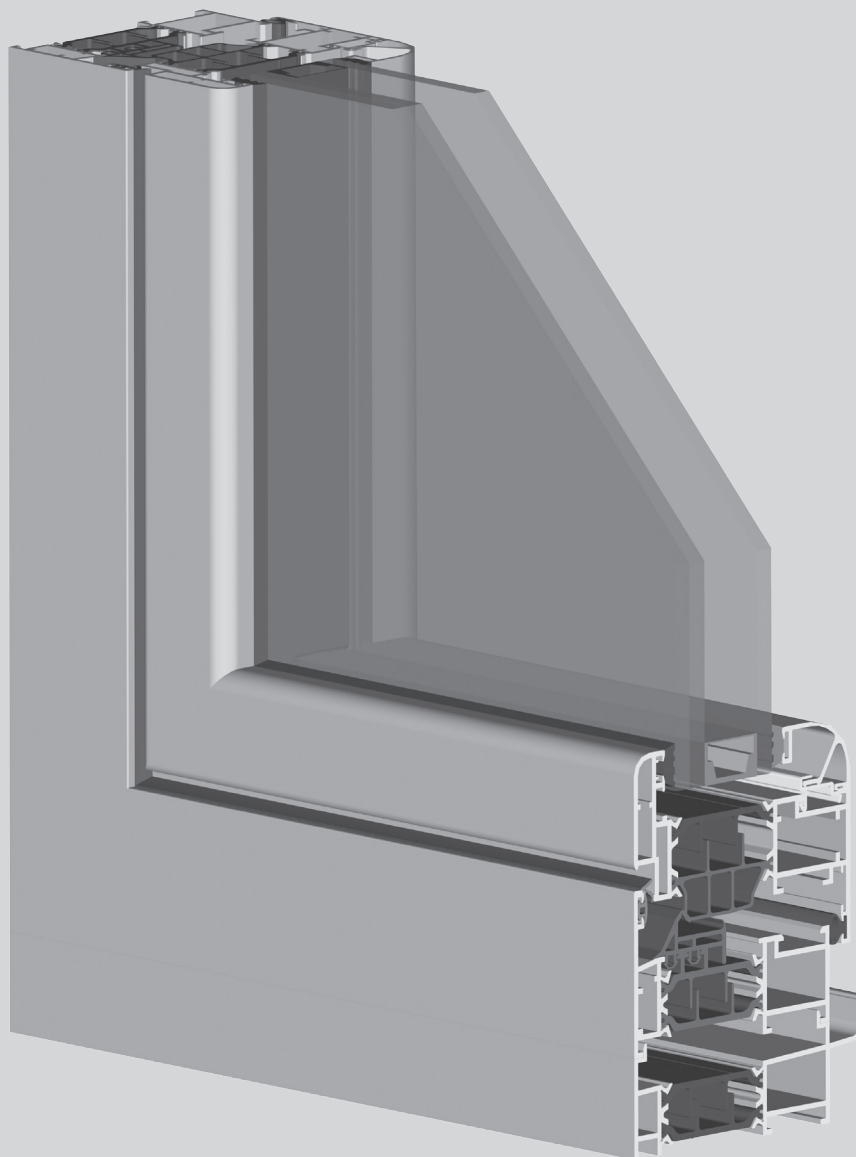
Peso máximo da folha: 120 kg (alumínio + vidro)

(confirmar com o quadro de dimensão/aplicação do mapa de montagem da ferragem O-B)

Largura mínima: 340 mm / Largura máxima: 1500 mm
 Altura mínima: 500 mm / Altura máxima: 2400 mm (vão de 1 folha)
 Altura mínima: 625 mm / Altura máxima: 2400 mm (vão de 2 folhas)



As medidas indicadas reportam-se às dimensões da folha móvel do vão



Sistema

AKi

Sistema AKi

Sistema de batente com RPT - 75 mm

Características do sistema

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

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

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

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

A versão AKi 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 39 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 75 mm ou 99.5 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 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 83 mm com tripla câmara;

Enchimento para vidro duplo ou triplo de 24 mm a 60 mm no sistema AKi;

Enchimento para vidro duplo ou triplo até 34 mm no sistema AKi Folha Oculta 3D;

Aros móveis de linha recta, curva ou tradição;

Aros móveis com esquadros duplos para montagem a meia esquadria;

Perfil inversor de linha recta.

Dimensionamento e manobralidade

Dimensões mínimas - máximas de folha: 457 mm - 1700 mm (L); 600 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 AKi 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 AKi tipologia porta:

1. Permeabilidade ao ar: Classe 4 (norma de ensaio EN 1026)
2. Estanquidade à água: Classe E1200 (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)

Categorias alcançadas na avaliação do sistema AKi - Folha Oculta 3D tipologia janela:

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 C5 (norma de ensaio EN 12211)

Coefficiente de transmissão térmica de vão de 2 folhas, sistema AKi, com 1.20 m x 1.50 m com vidro $U_g = 0.5 \text{ W/m}^2\text{K}$, com intercaler efeito "Warm Edge":

• $U_w = 1.00 \text{ W/m}^2\text{K}$

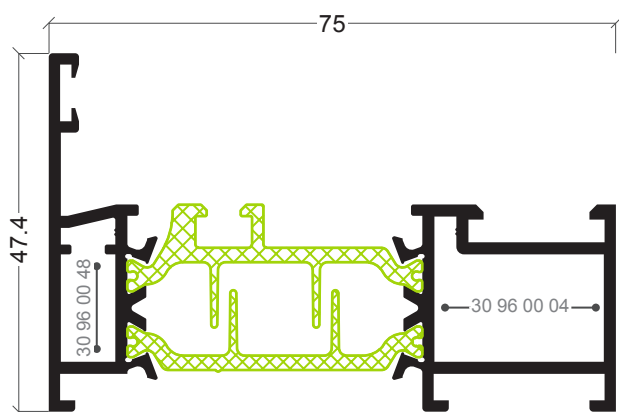
Coefficiente de transmissão térmica de vão de 2 folhas, sistema AKi - Folha Oculta 3D, com 1.80m x 2.20m com vidro $U_g = 0.7 \text{ W/m}^2\text{K}$, com intercaler efeito "Warm Edge":

• $U_w = 1.11 \text{ W/m}^2\text{K}$

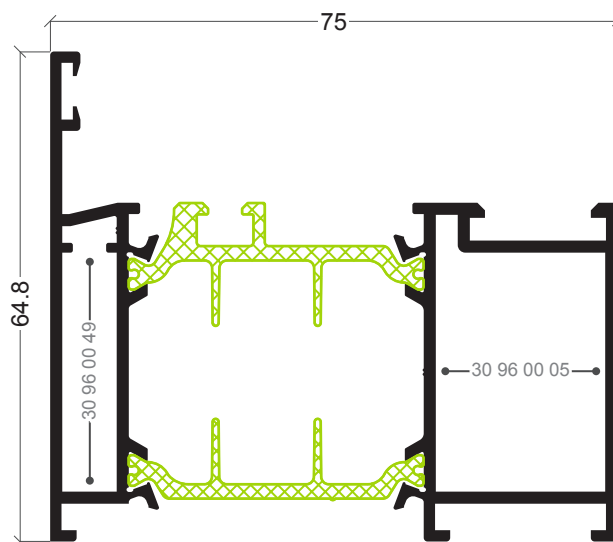
Coefficiente de atenuação acústica de vão de 2 folhas com vidro 5/16/5:

• $R_w (C; C_{tr}) = 35 \text{ dB} (-2; -4)$

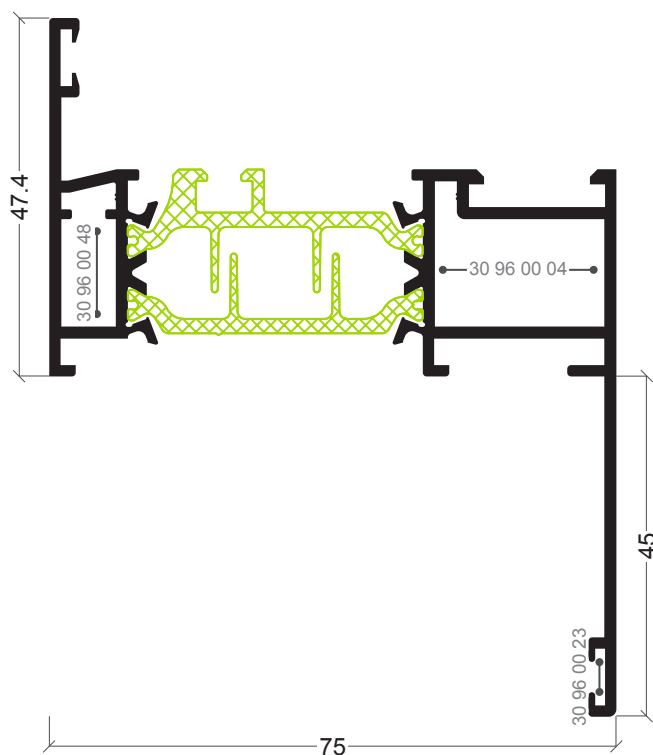
Zonas de aplicação segundo RCCTE (em função do valor U_g): I1, I2, I3, V1, V2, V3.


AKi-03

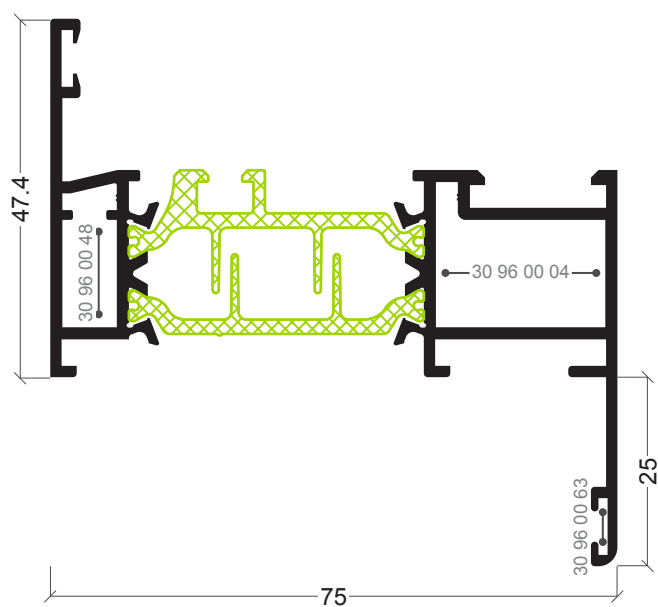
Aro fixo


AKi-08

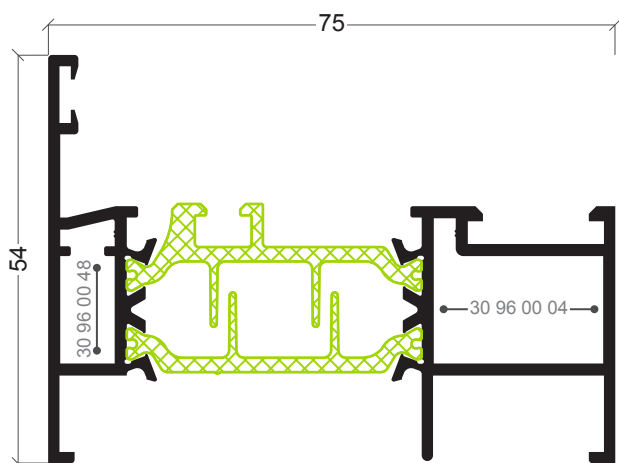
Aro fixo


AKi-33

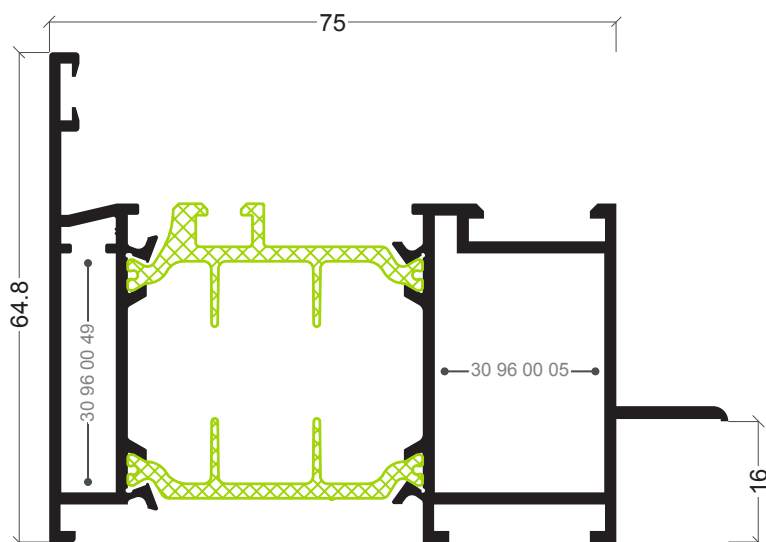
Aro fixo com remate 45 mm


AKi-35

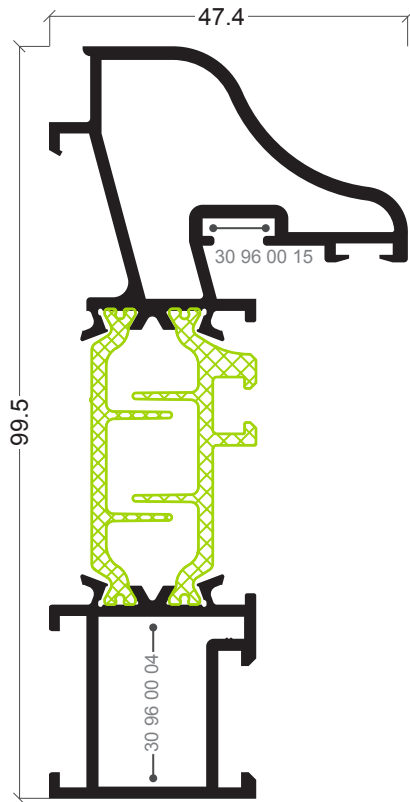
Aro fixo com remate 25 mm


AKi-81

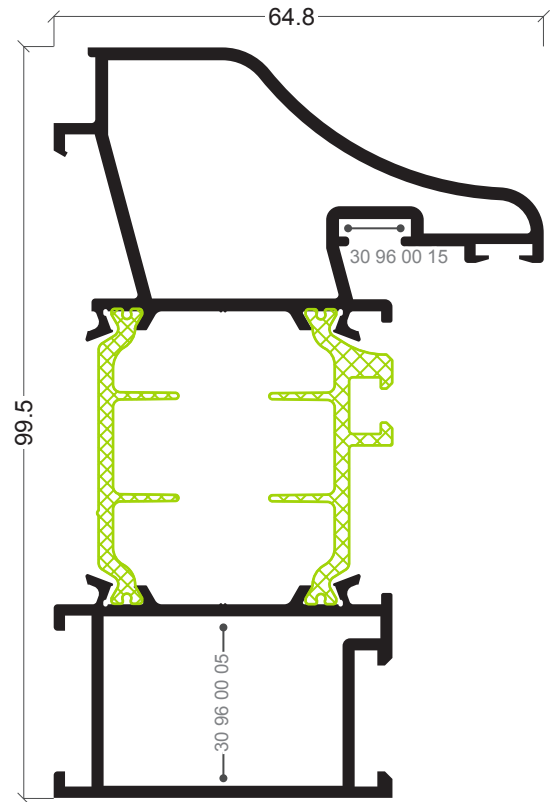
Aro fixo


AKi-68

Aro fixo para apanelado

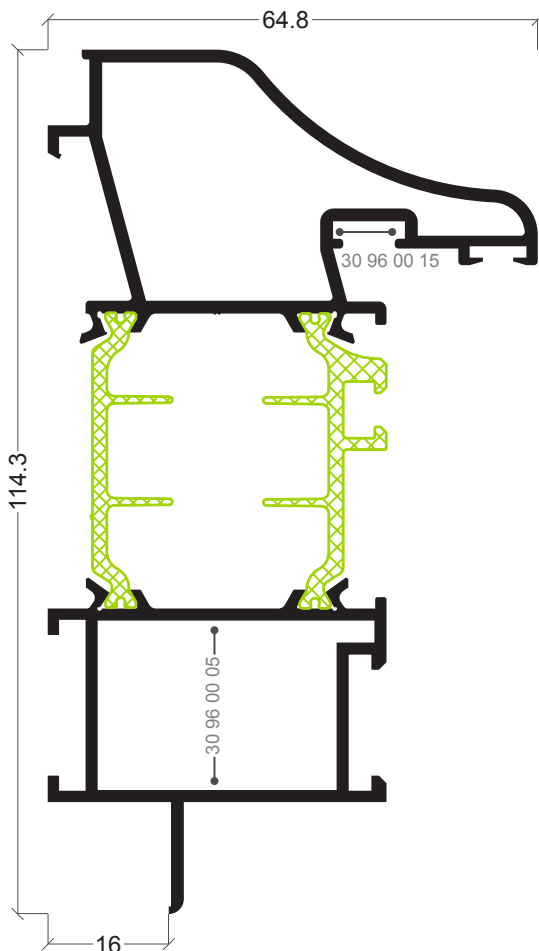


AKi-57
Aro fixo

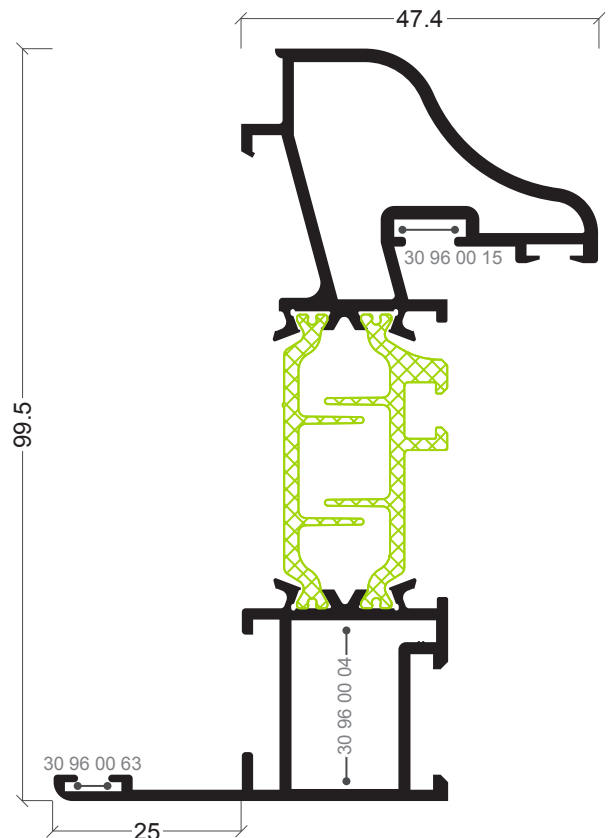


AKi-59
Aro fixo

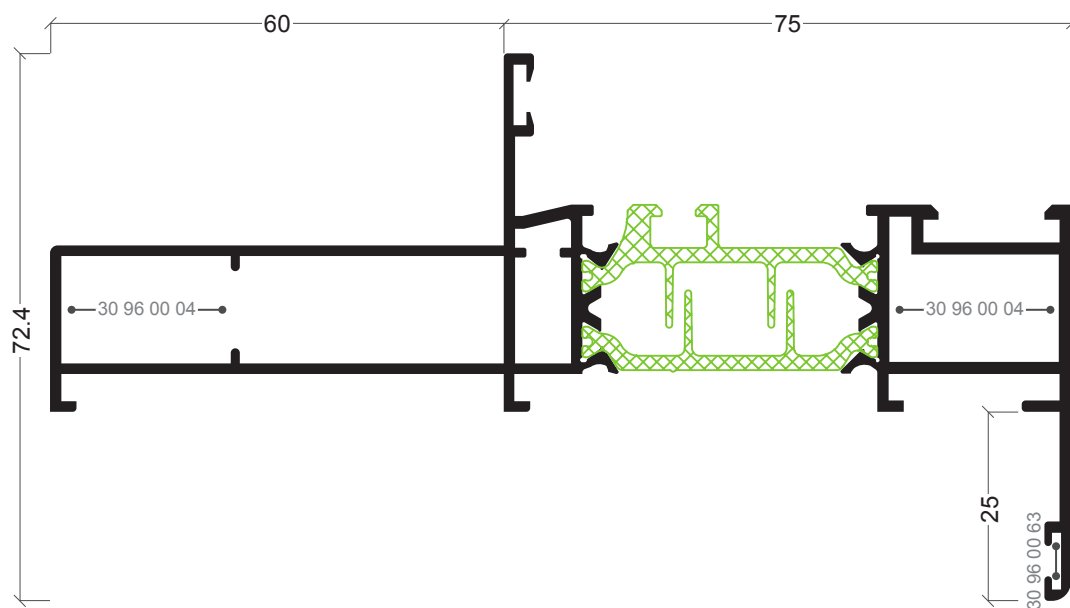
4



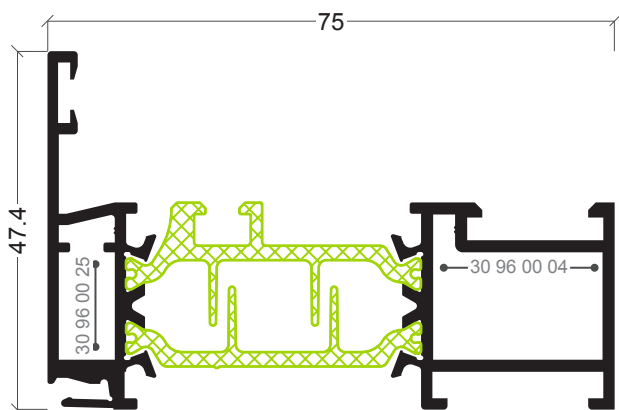
AKi-69
Aro fixo para apainelado



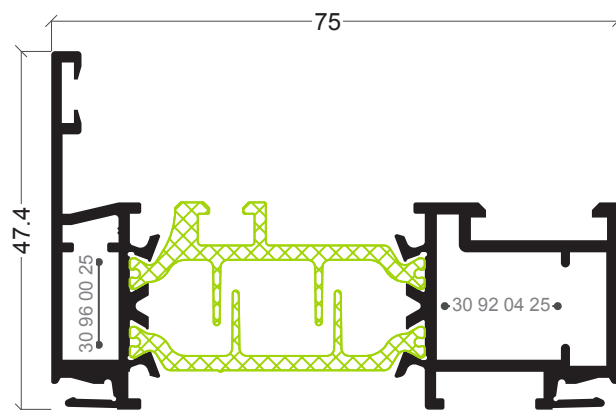
AKi-77
Aro fixo com remate


AKi-86

Aro fixo com remate

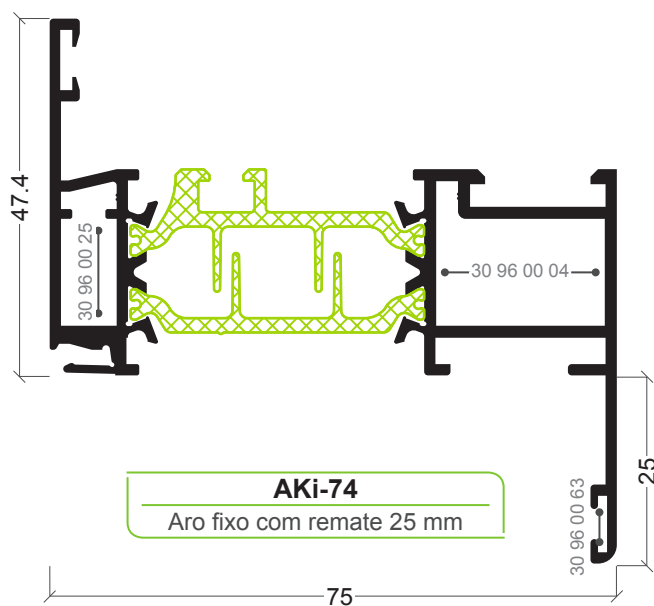

AKi-76

Aro fixo

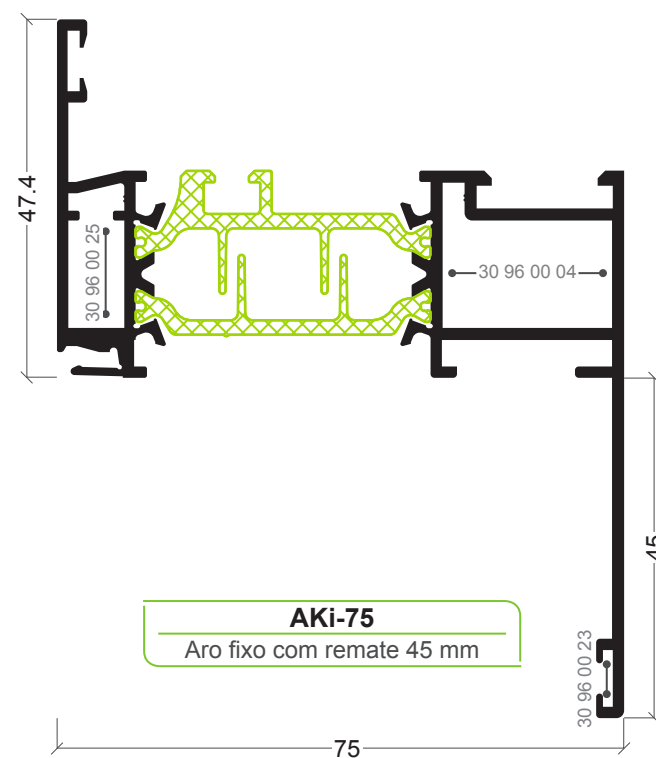

AKi-80

Aro fixo com clip interior/exterior

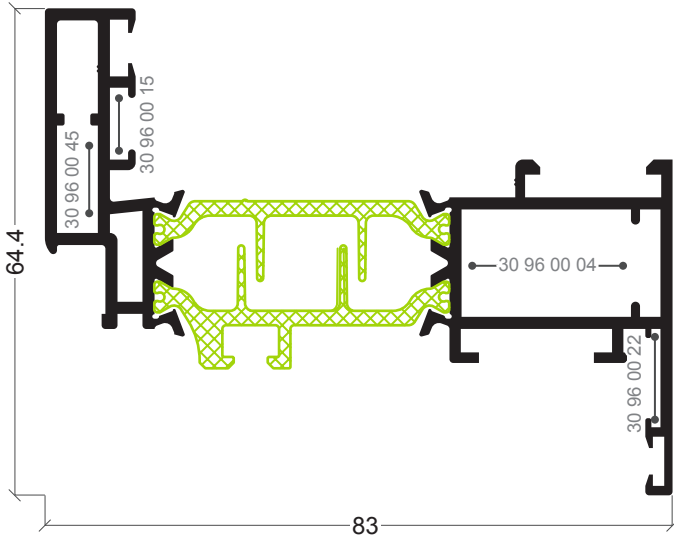
5


AKi-74

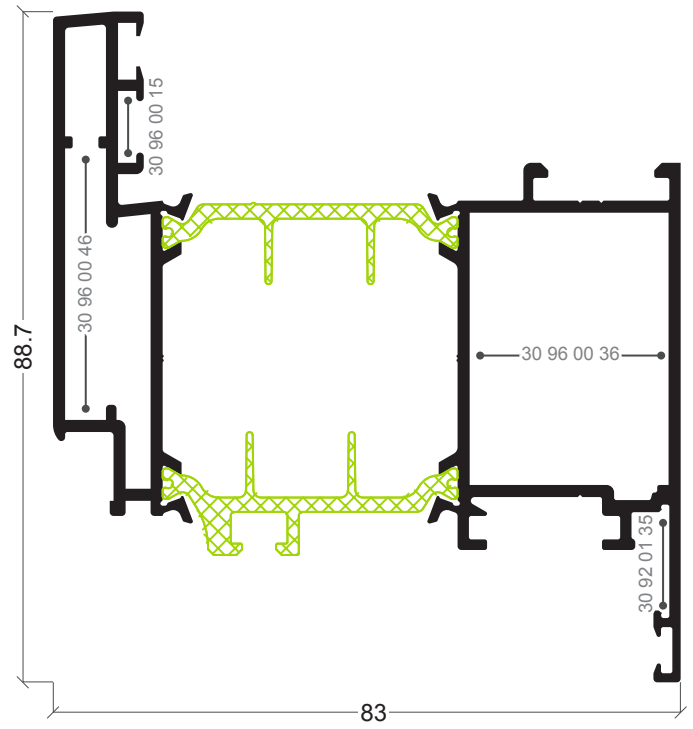
Aro fixo com remate 25 mm


AKi-75

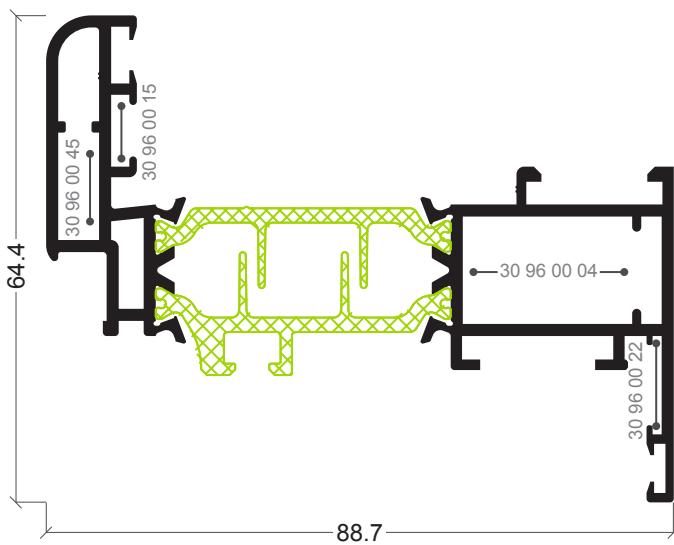
Aro fixo com remate 45 mm



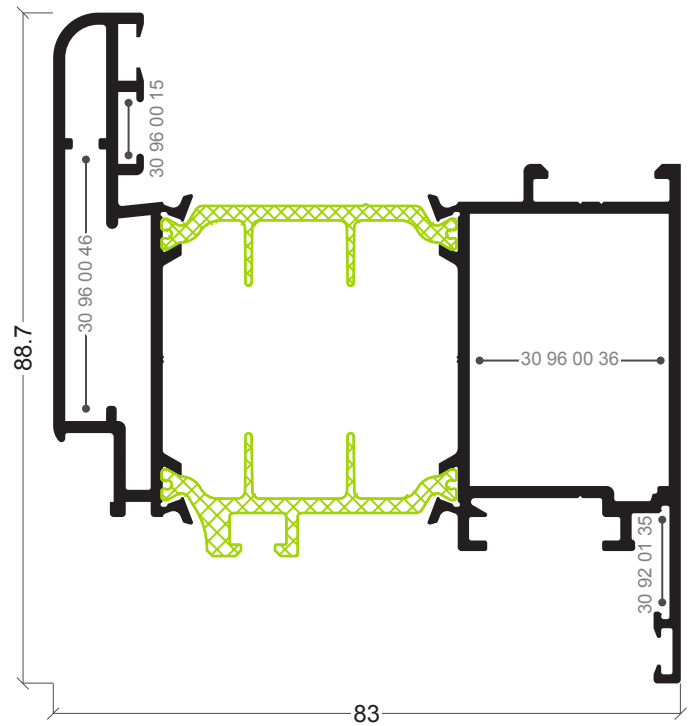
AKi-61
Aro móvel



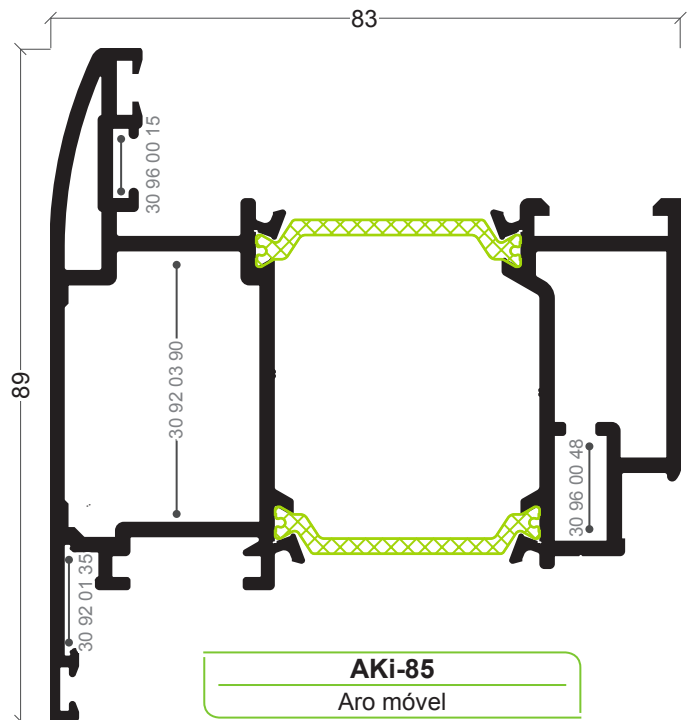
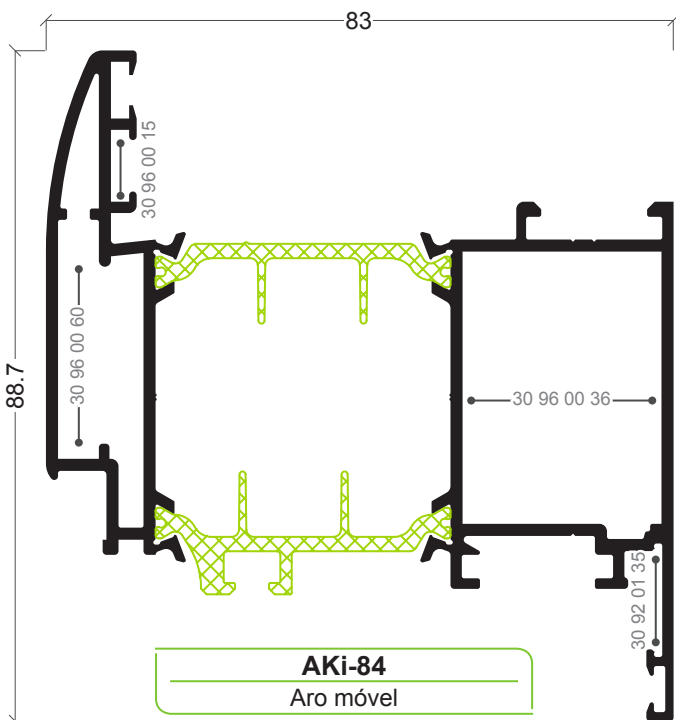
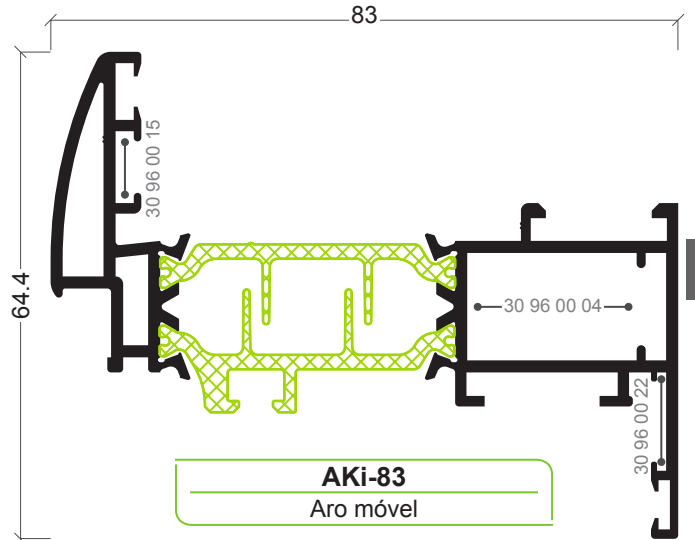
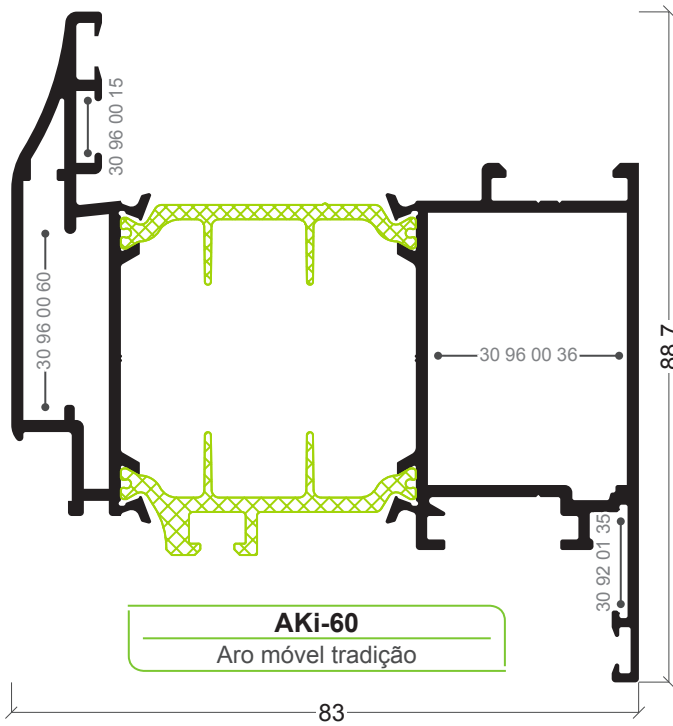
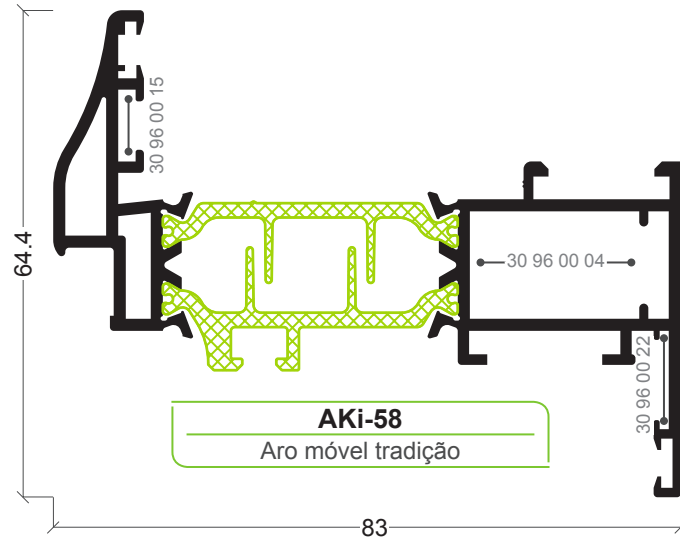
AKi-36
Aro móvel

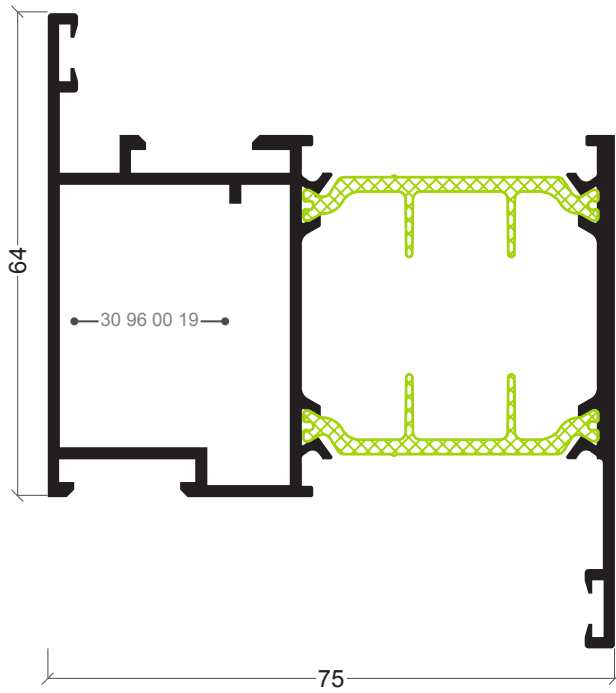


AKi-05
Aro móvel

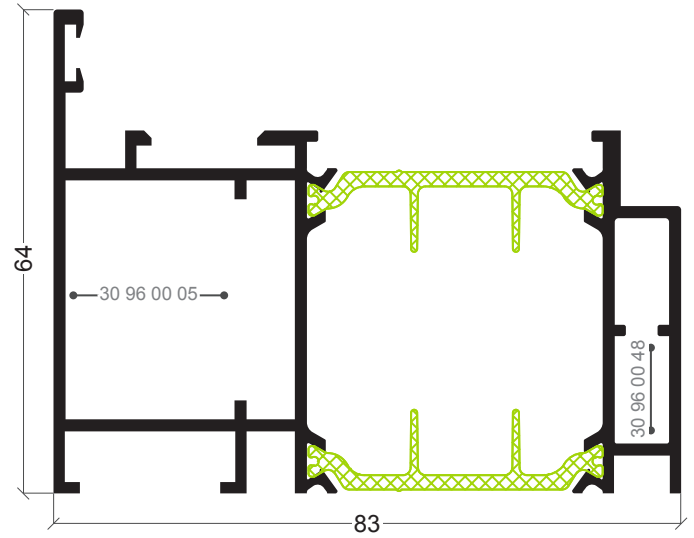


AKi-10
Aro móvel

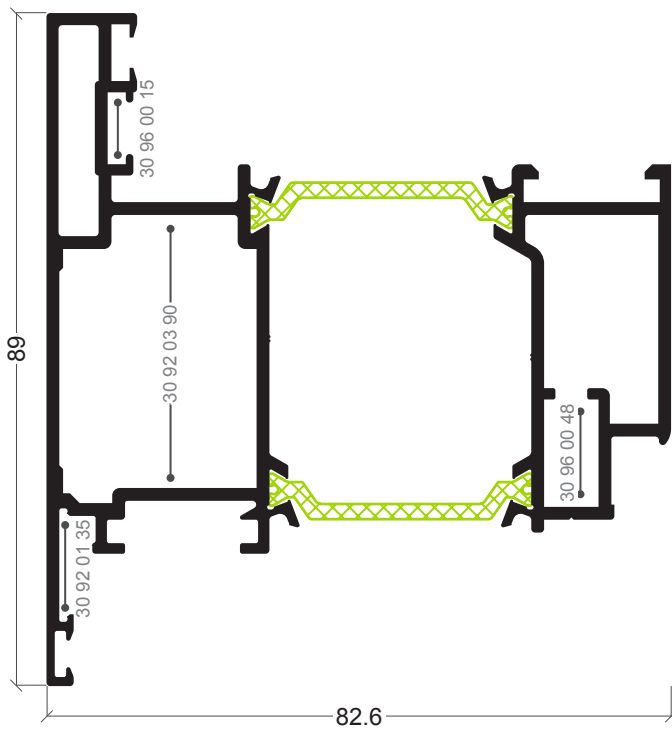



AKi-11

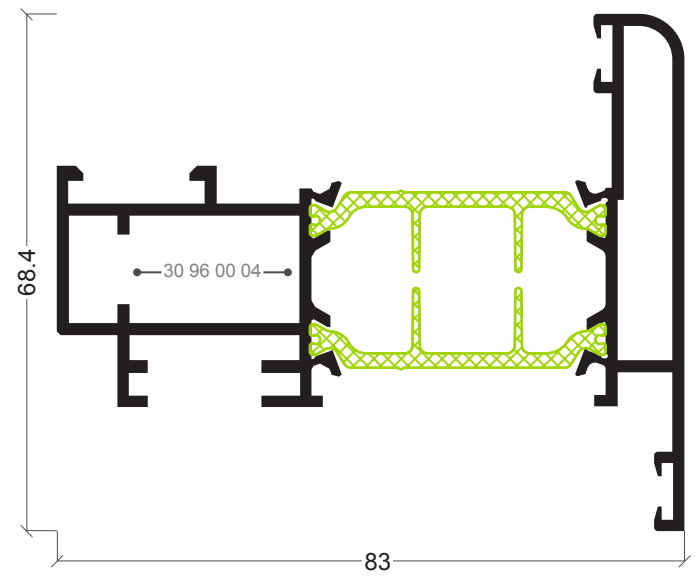
Aro fixo ab.exterior c/ fixo lateral


AKi-09

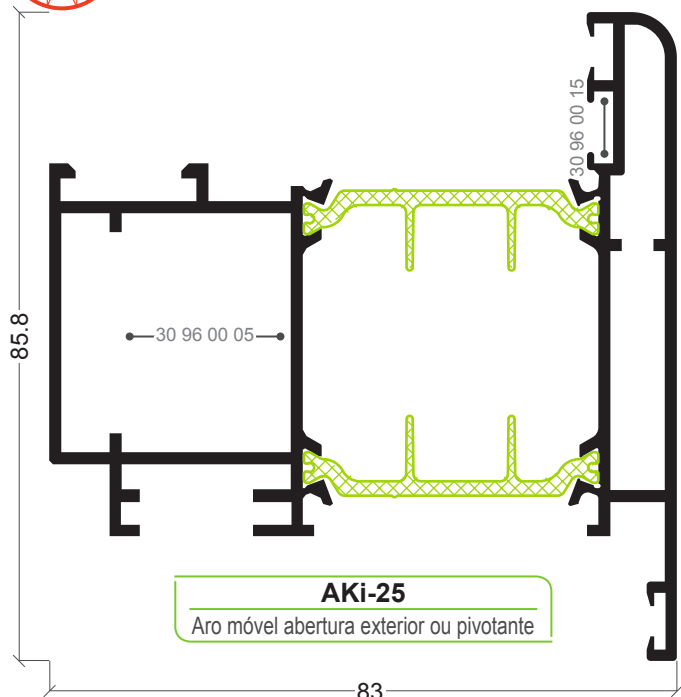
Aro fixo abertura exterior AKi-25


AKi-72

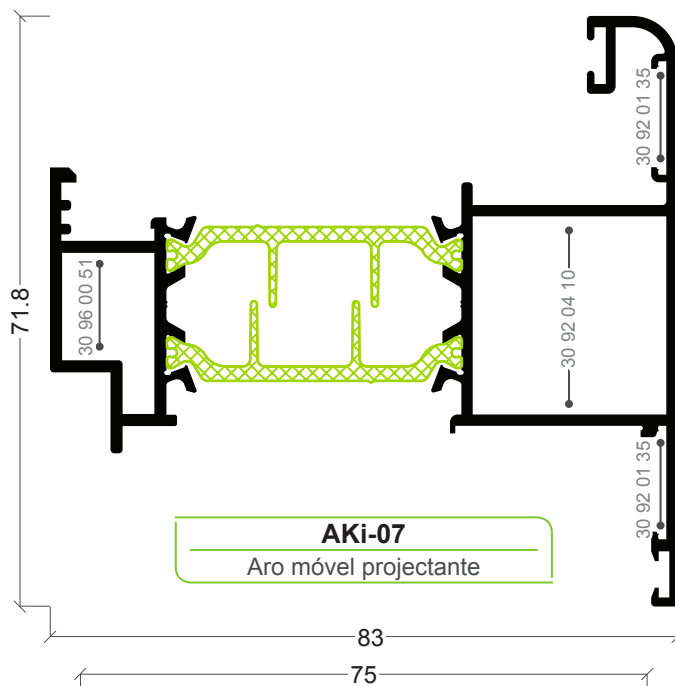
Aro móvel abertura exterior


AKi-02

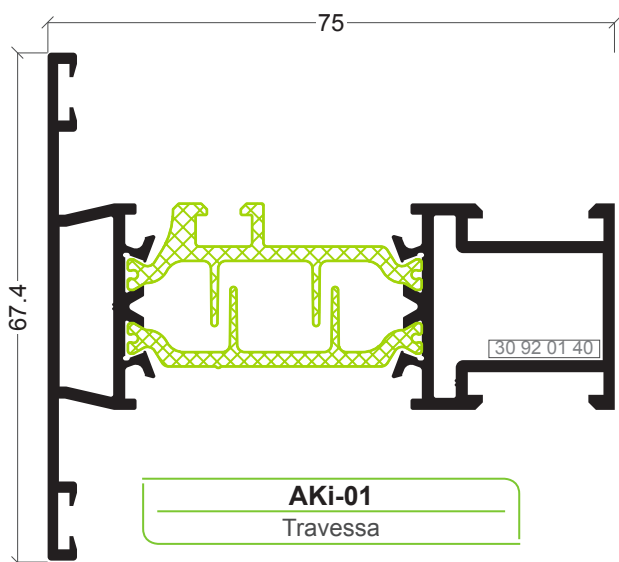
Aro móvel pivotante



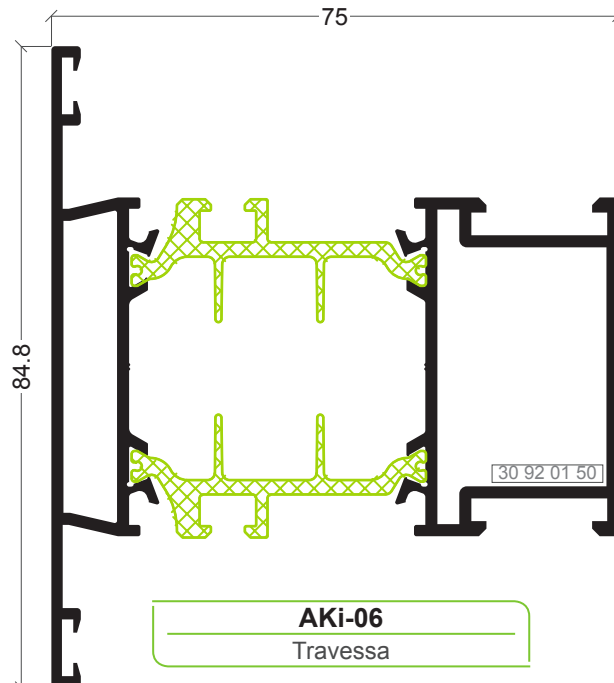
AKi-25
Aro móvel abertura exterior ou pivotante



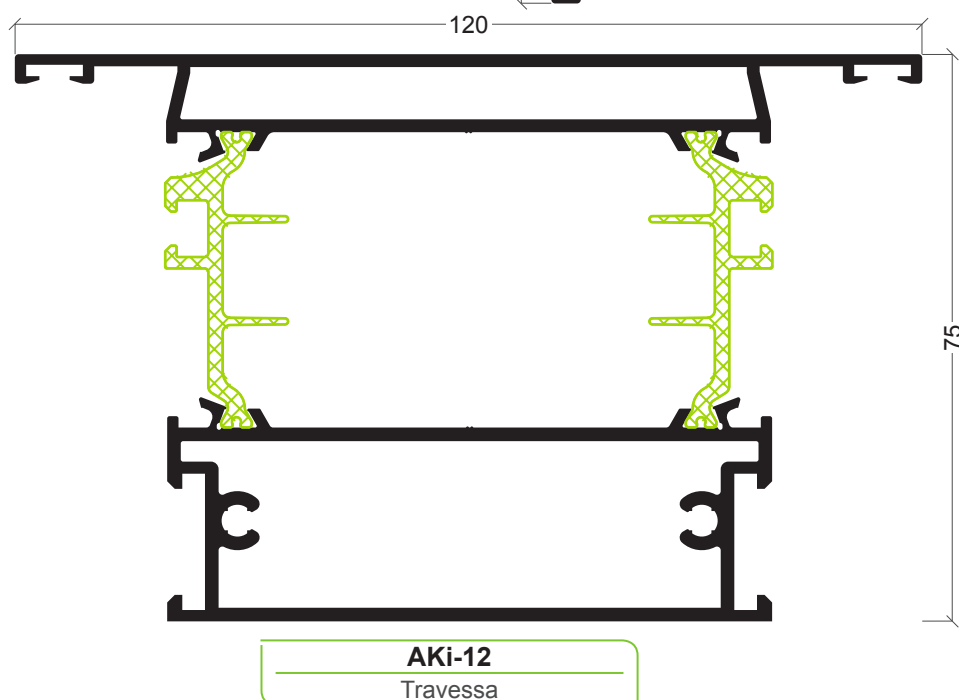
AKi-07
Aro móvel projectante



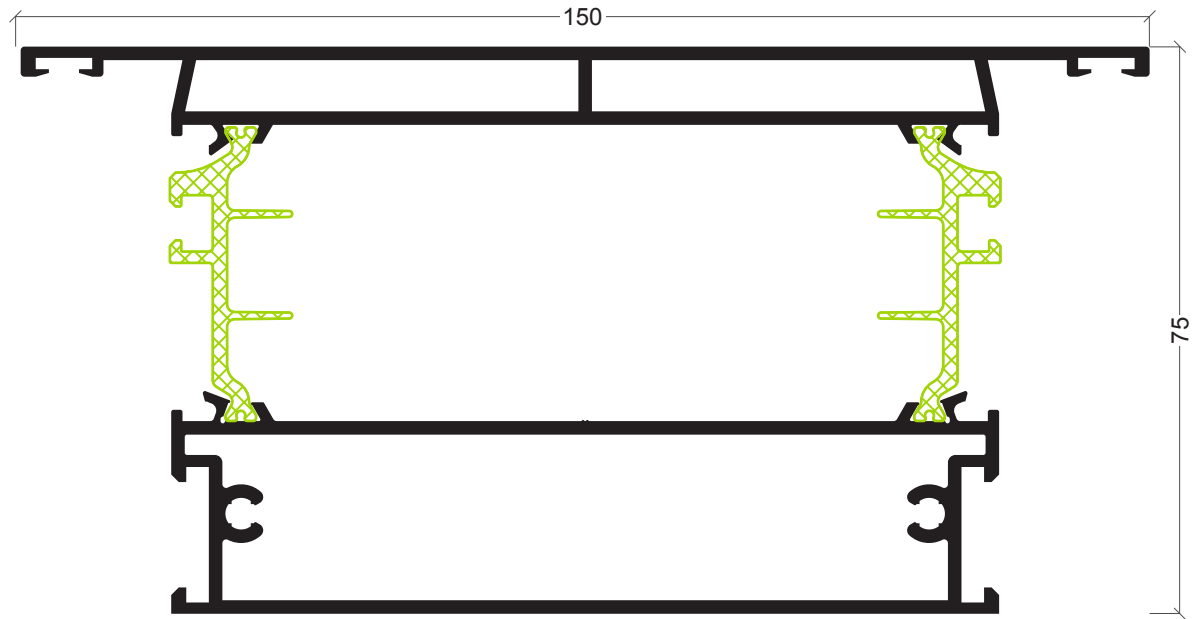
AKi-01
Travessa



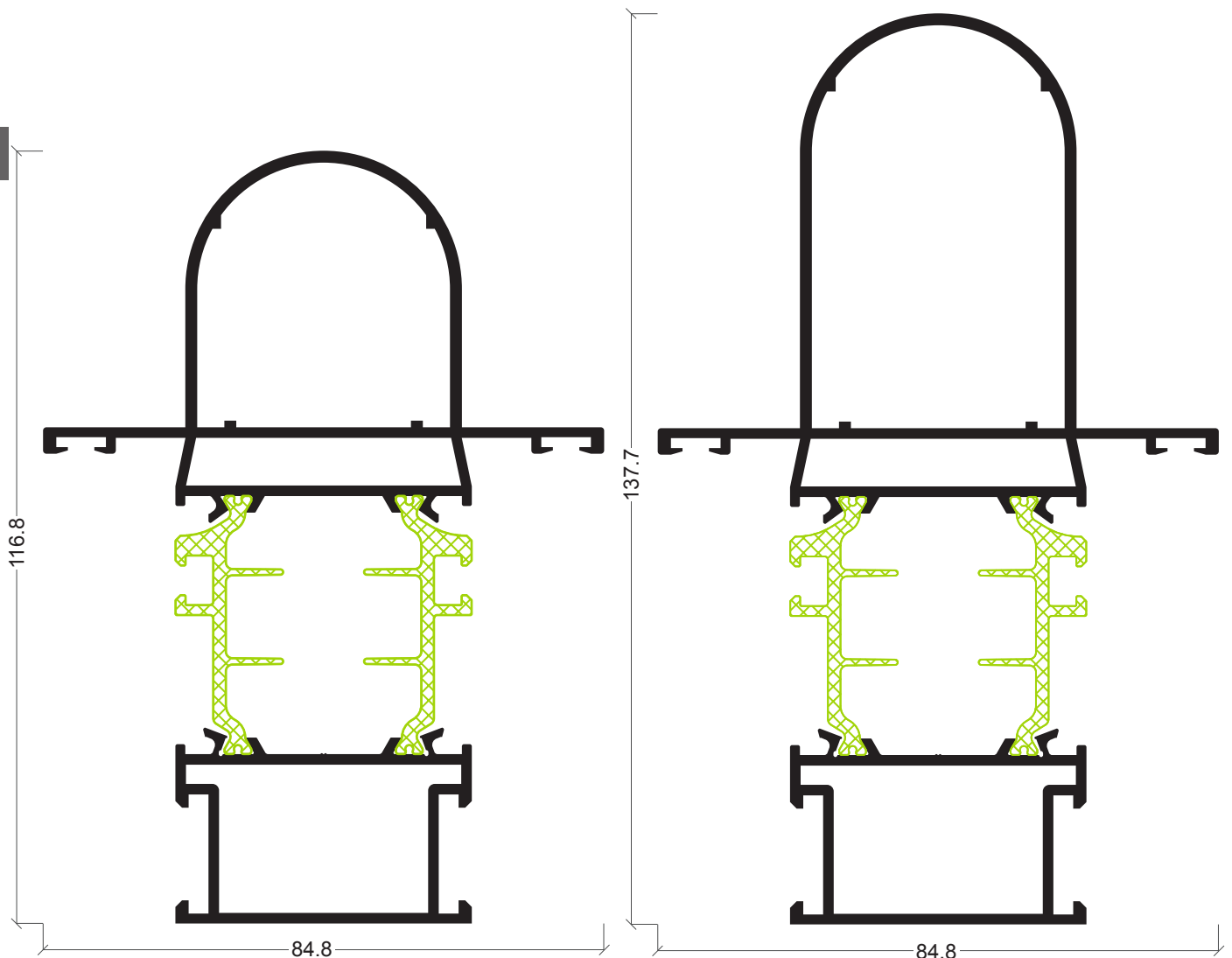
AKi-06
Travessa



AKi-12
Travessa

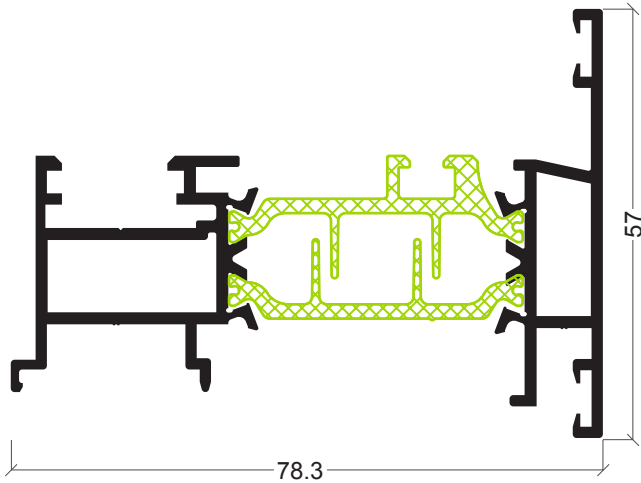


AKi-13
Travessa



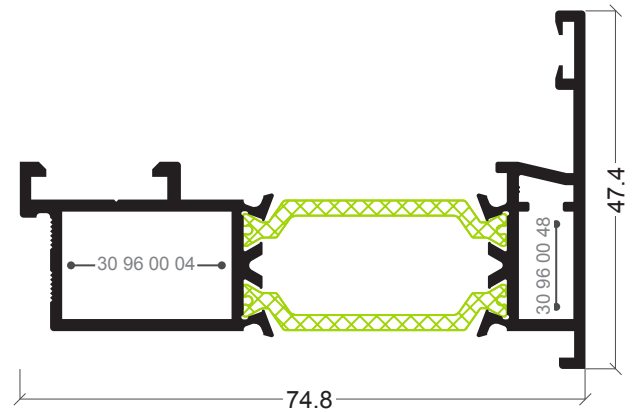
AKi-17
Montante

AKi-18
Montante



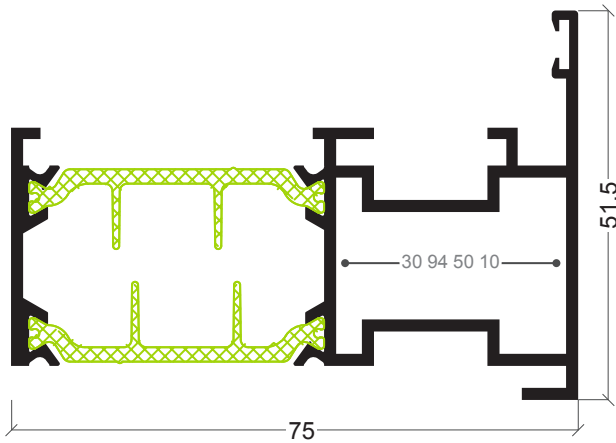
AKi-04

Inversor



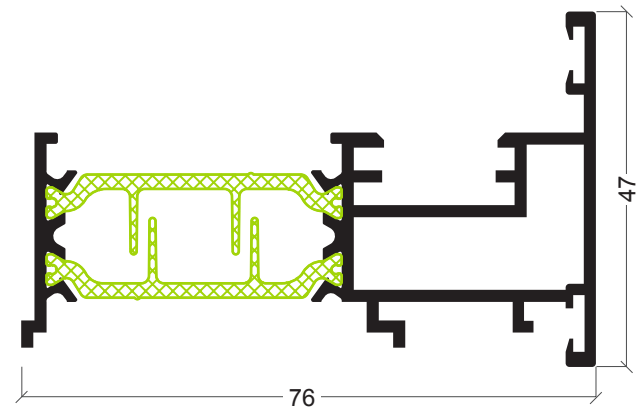
AKi-73

Inversor de sentido de abertura



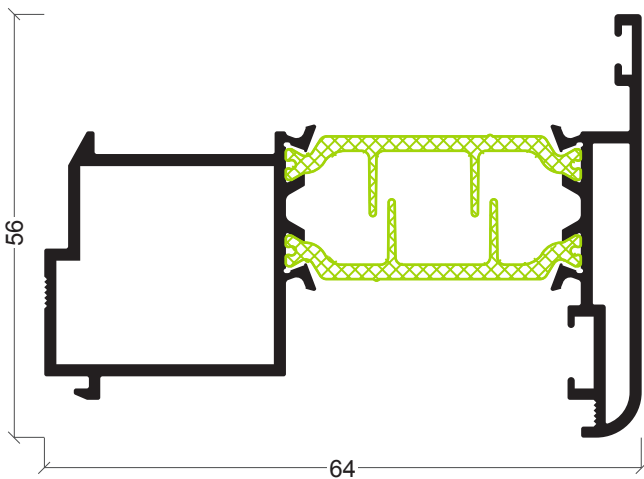
AKi-14

Inversor pivotante



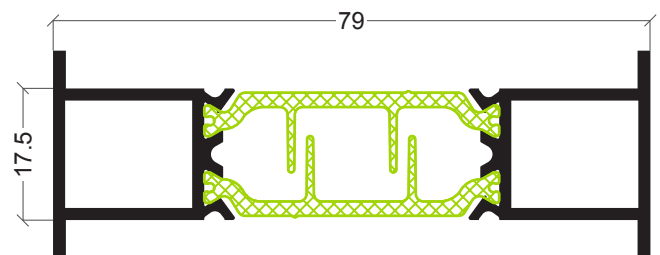
AKi-15

Inversor para AKi-25



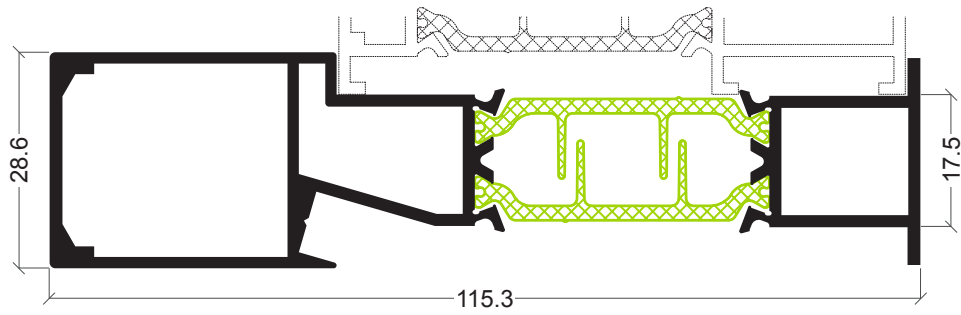
AKi-51

Inversor projectante

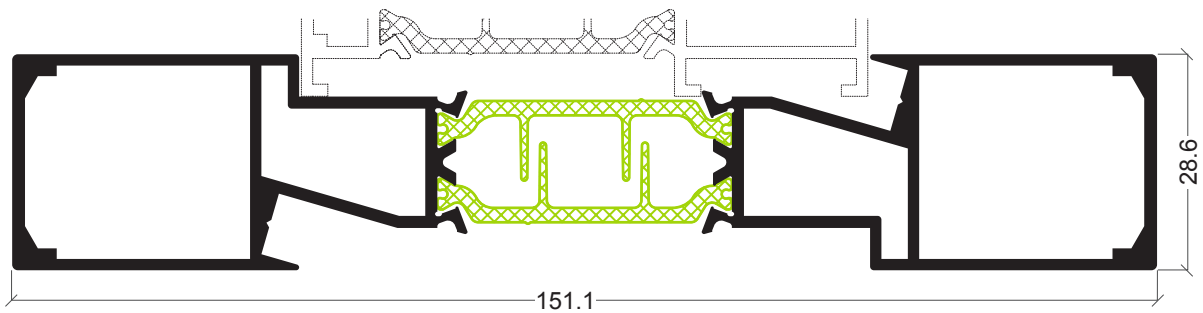


AKi-21

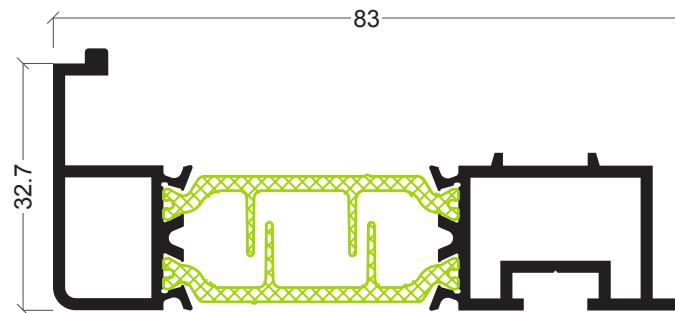
União de aros


AKi-65

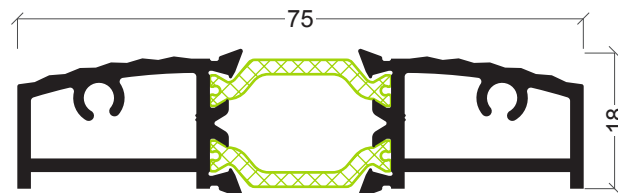
União de aros com reforço


AKi-67

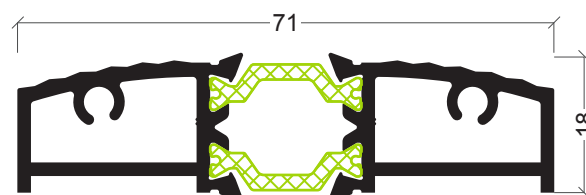
União de aros com reforço


AKi-23

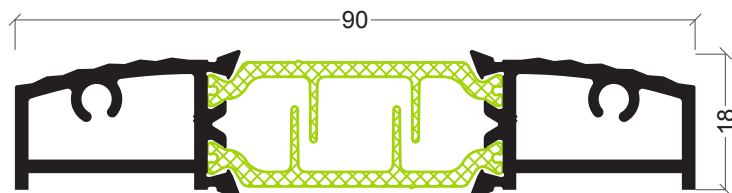
Remate almofada


ATi-69

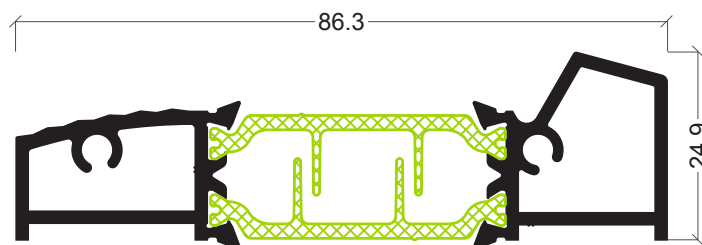
Remate inferior porta


AKi-82

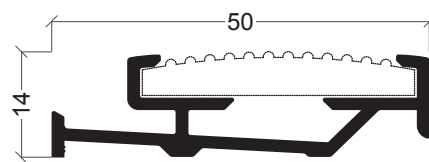
Remate inferior porta



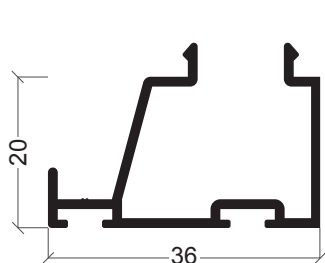
AKi-70
Remate inferior porta



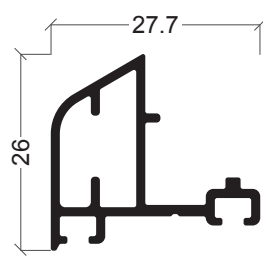
AKi-63
Remate inferior porta



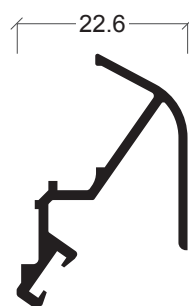
AZ-69
Remate inferior porta



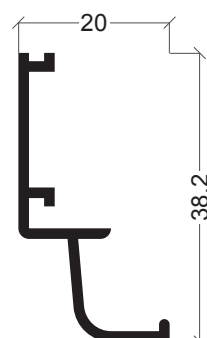
AX-15
Bite remate



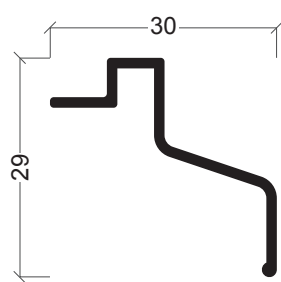
AZ-79
Pingadeira



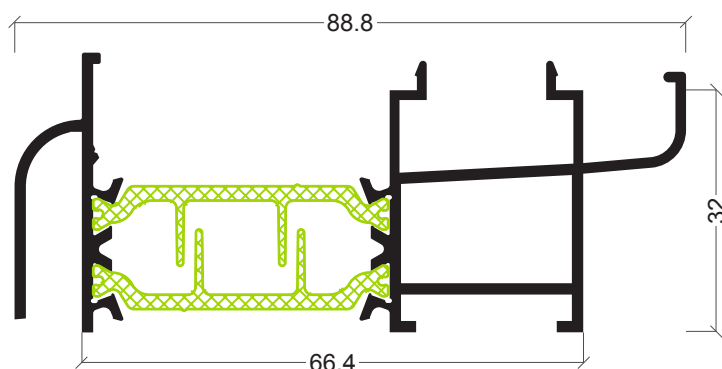
ARi-62
Pingadeira inferior porta



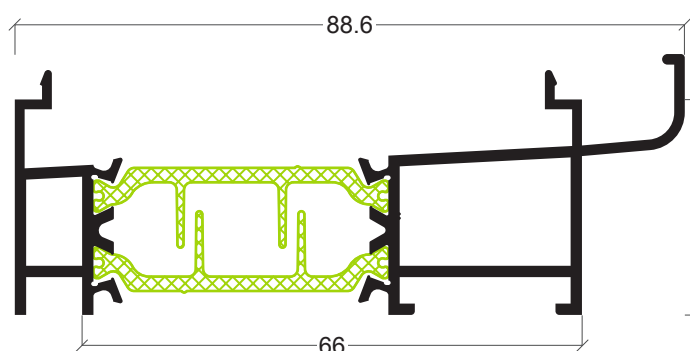
ARi-32
Complemento condensação



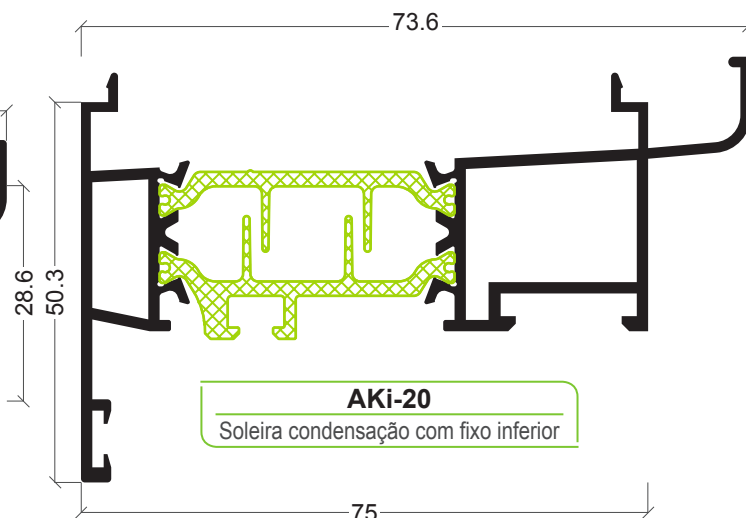
AXi-45
Pingadeira



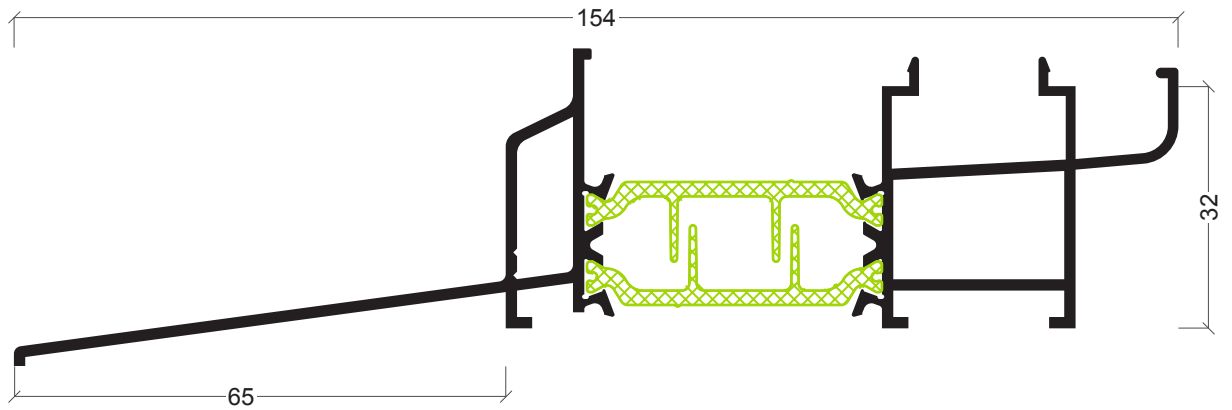
AKi-49
Soleira condensação



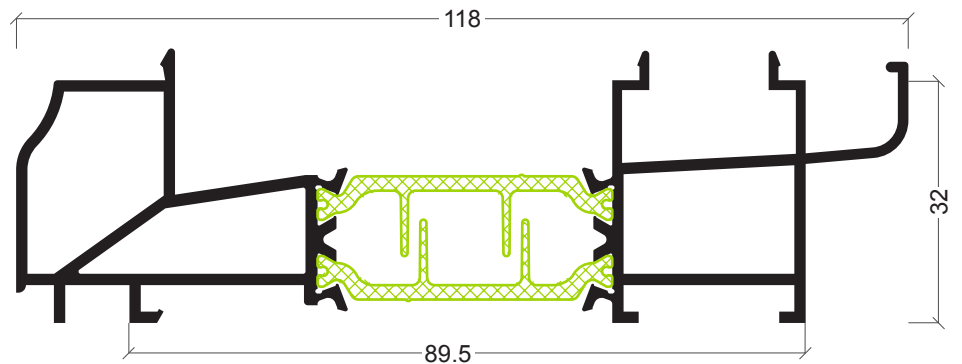
AKi-71
Soleira condensação



AKi-20
Soleira condensação com fixo inferior


AKi-50

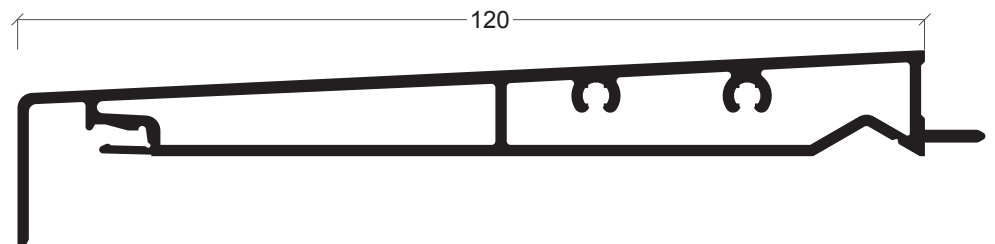
Soleira condensação com pingadeira


AKi-56

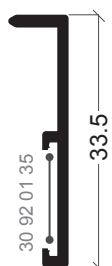
Soleira condensação tradição


AXi-91

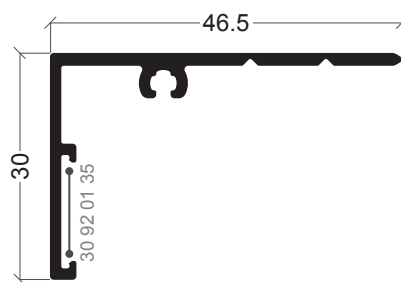
Complemento remate


AXi-74

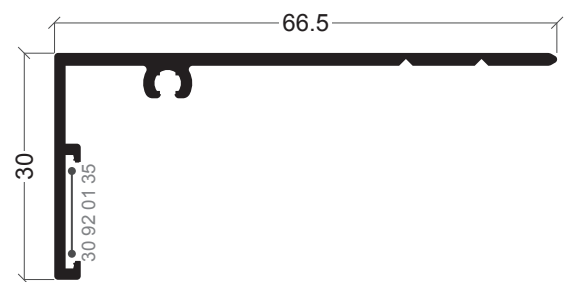
Remate soleira


AXi-88

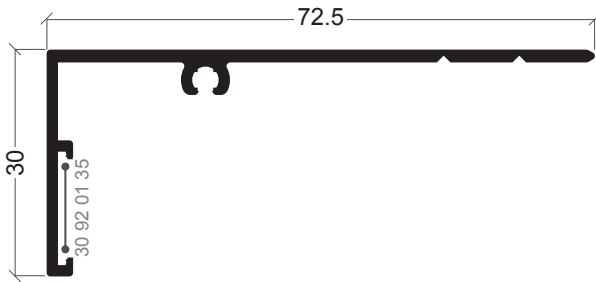
Complemento remate


AXi-80

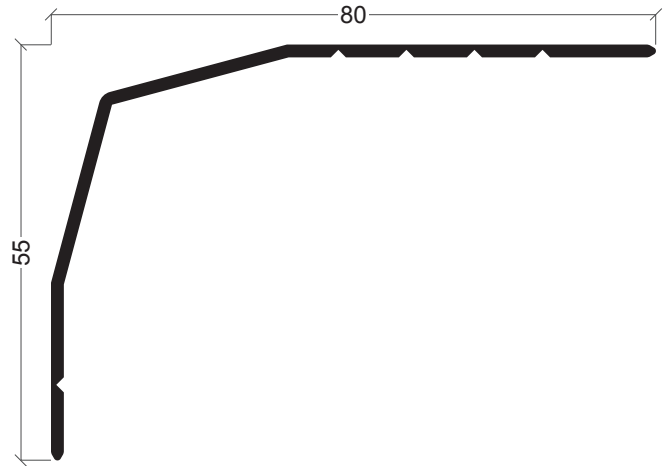
Remate


AXi-73

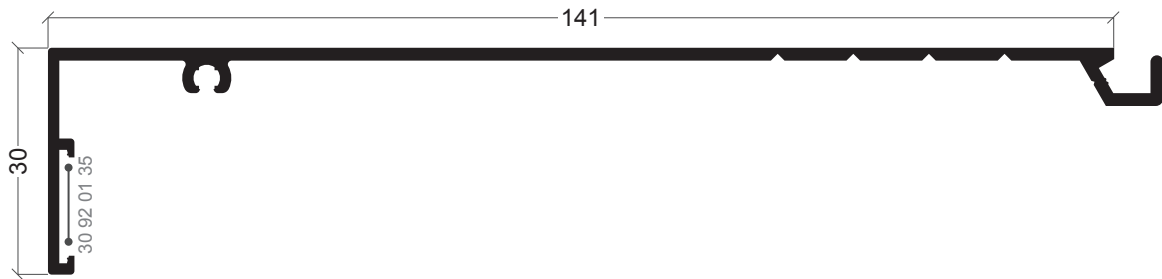
Remate



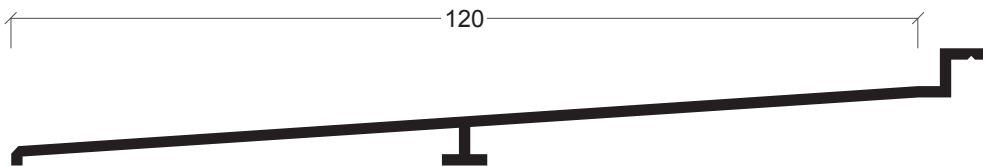
AXi-83
Remate



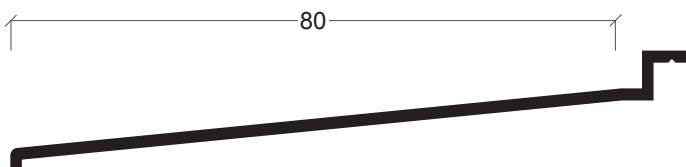
AXi-72
Remate



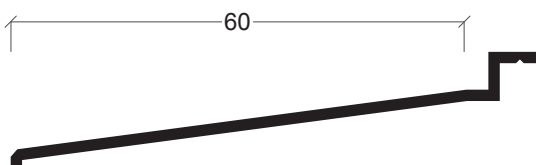
S-09
Remate



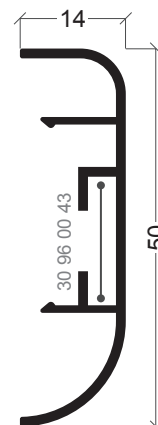
AZ-24
Pingadeira 120 mm



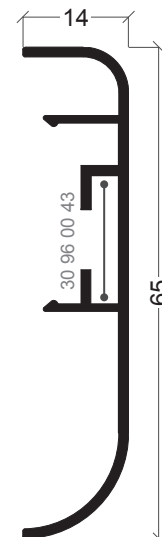
AZ-30
Pingadeira 80 mm



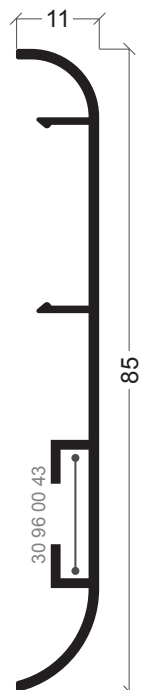
AZ-23
Pingadeira 60 mm



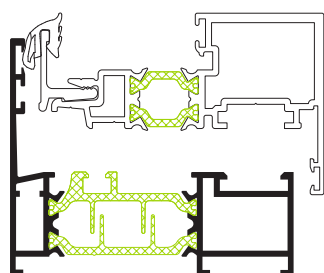
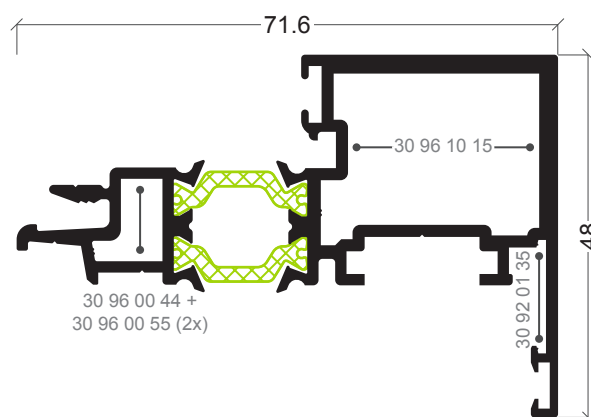
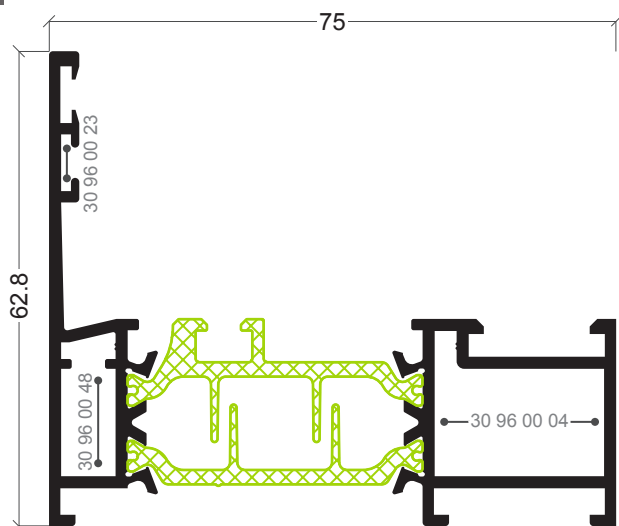
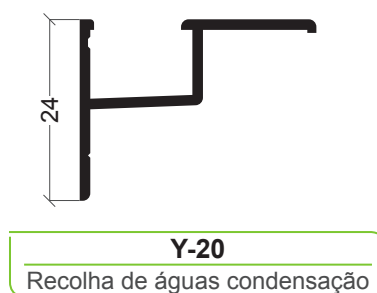
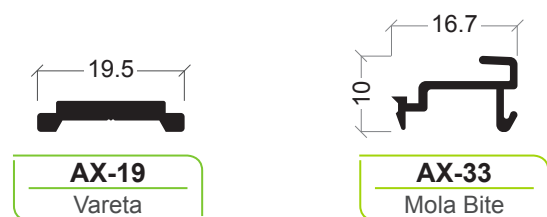
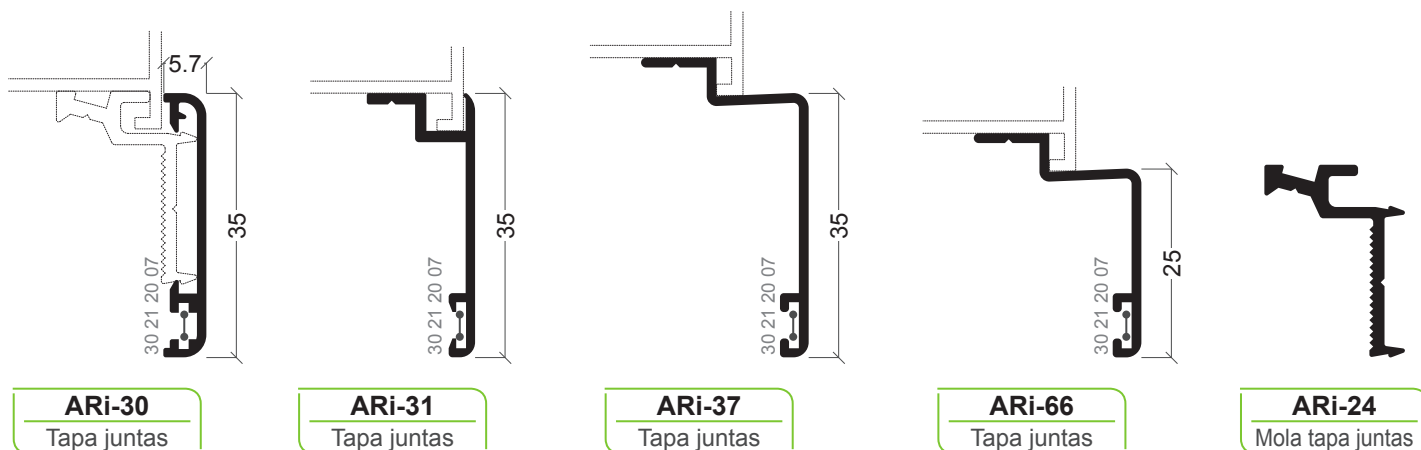
ARi-27
Tapa juntas

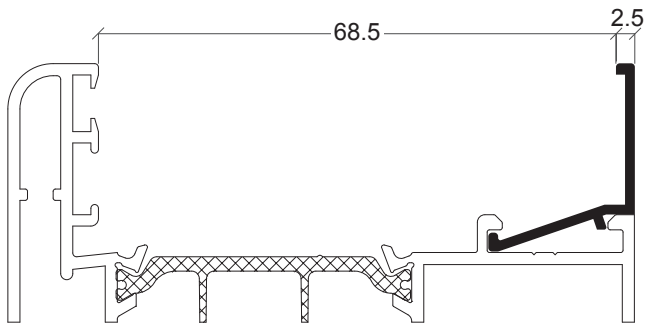


ARi-34
Tapa juntas

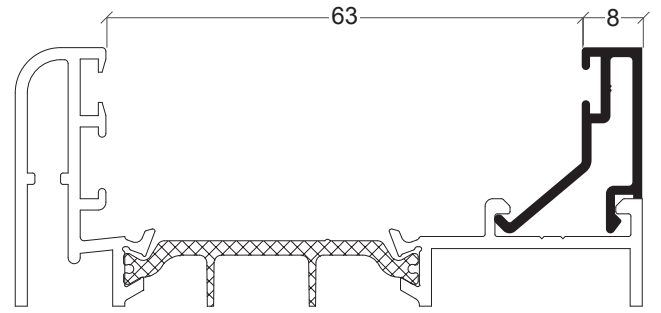


ARi-28
Tapa juntas

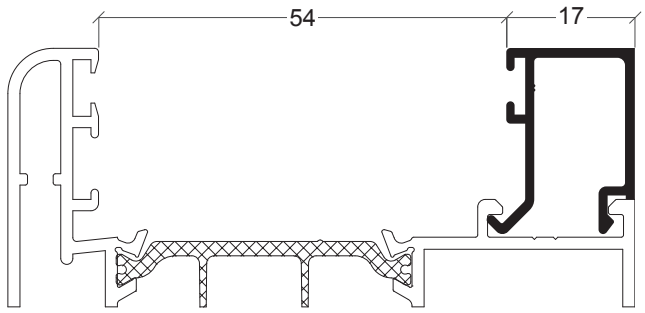




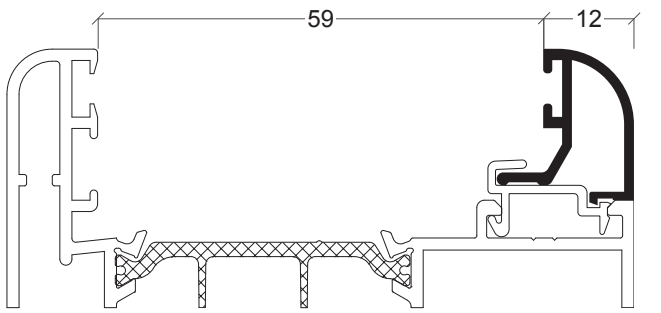
AX-69



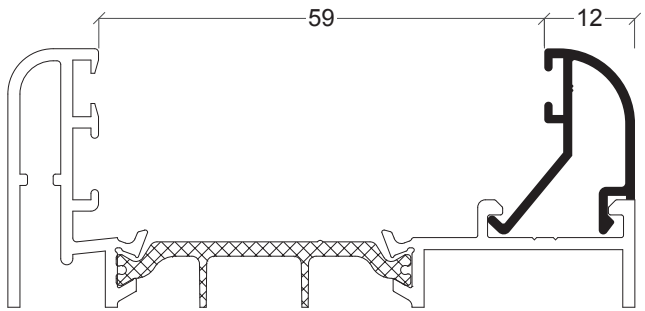
AX-74



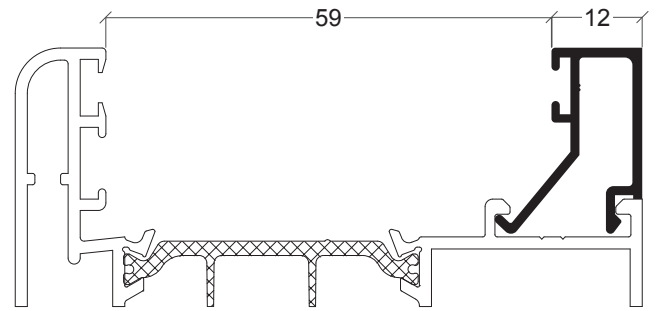
AX-46



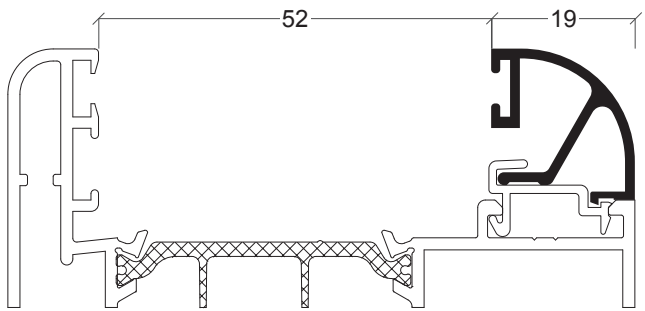
AX-37



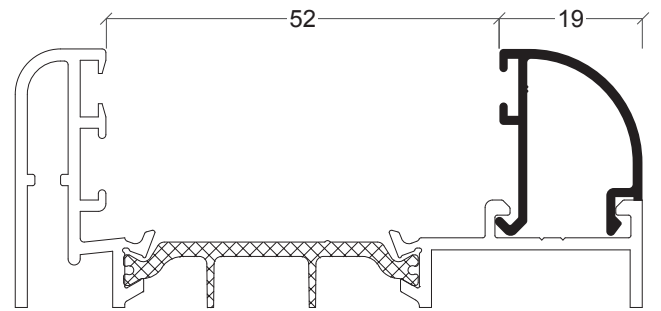
AZ-08



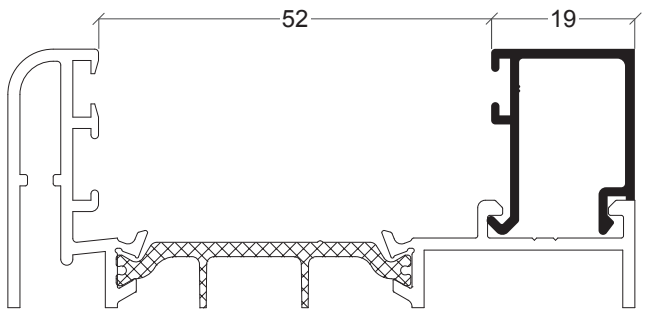
AX-36



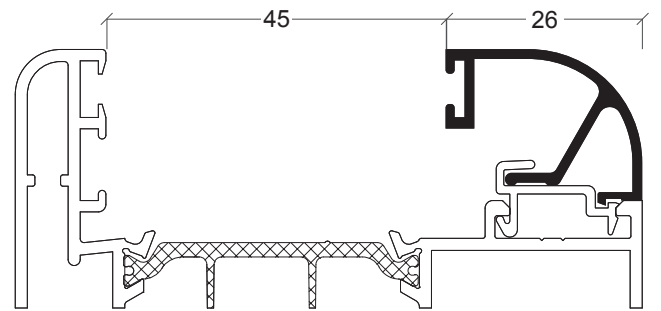
AX-30



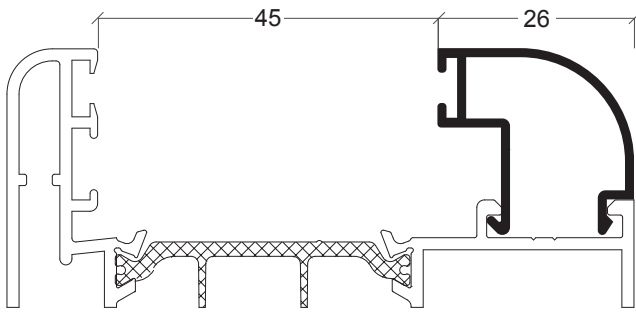
AZ-07



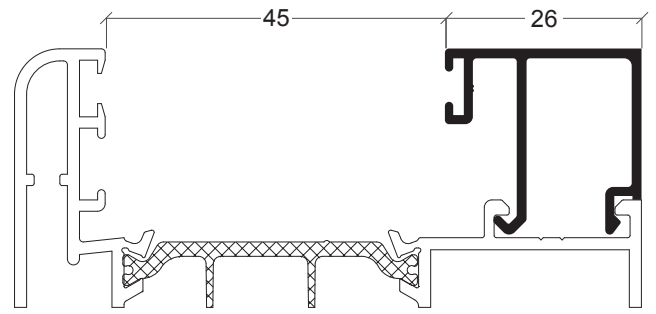
AX-35



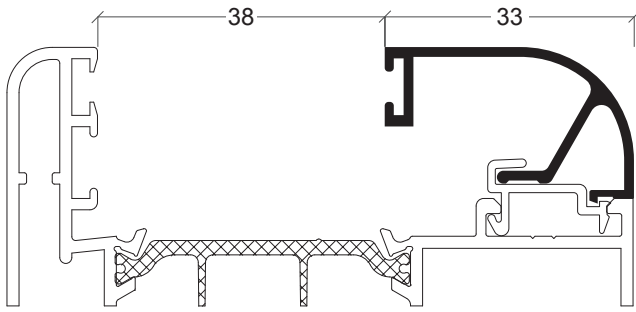
AX-29



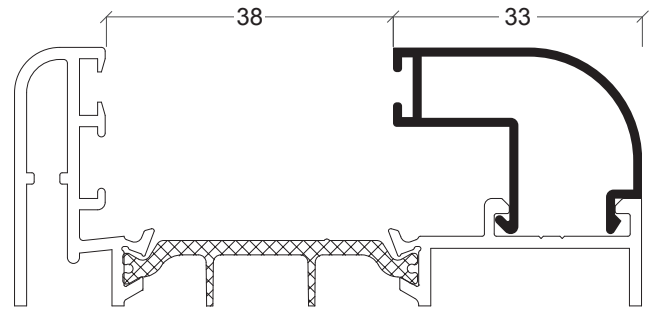
AZ-06



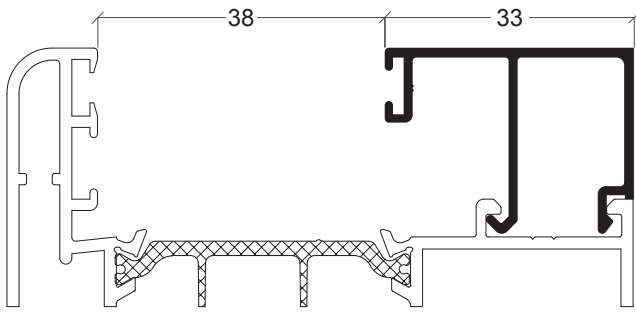
AX-31



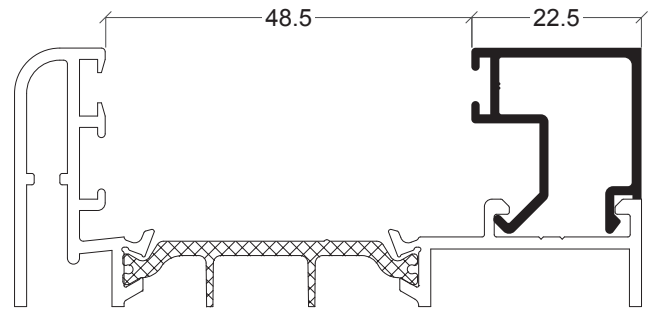
AX-39



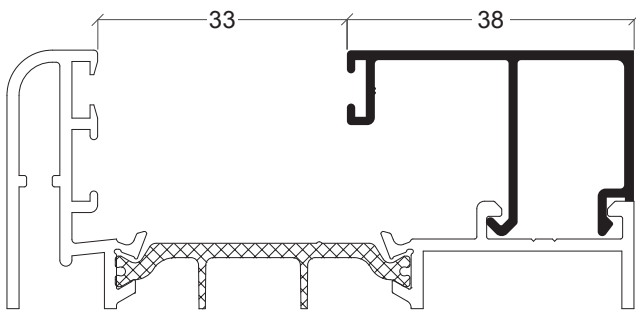
AZ-28



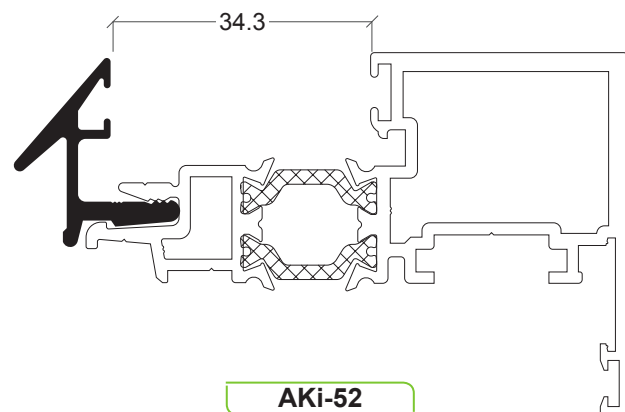
AX-34



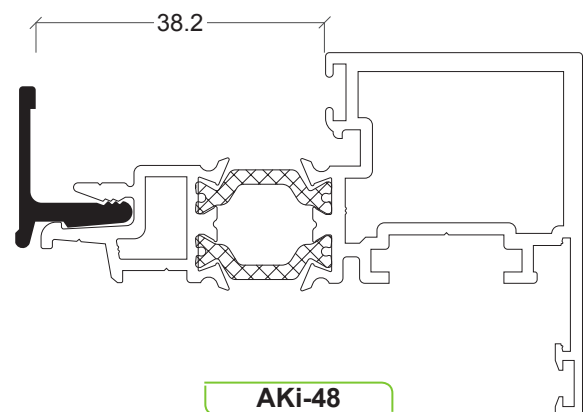
AX-78



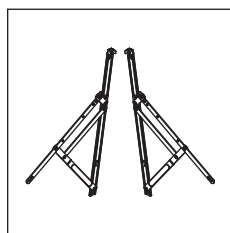
AX-32

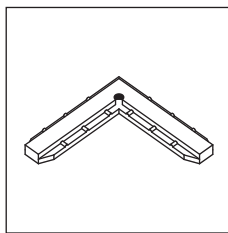


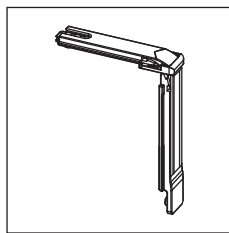
AKi-52



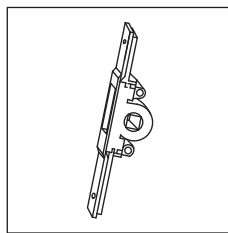
AKi-48

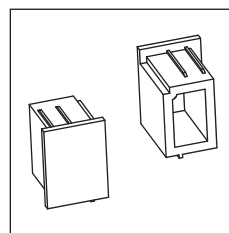

30 00 95 71

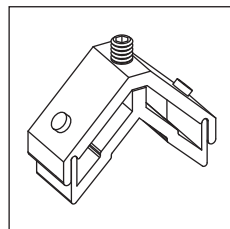
 Compasso projectante
deslizante até 100 kg/folha

30 21 20 07

 Esquadro de
alinhamento

30 90 20 42

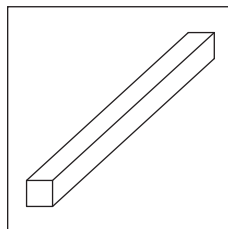
Ângulo de reenvio


30 90 20 44

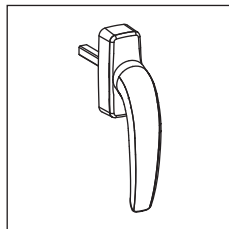
 Transmissão para
abertura exterior

30 91 21 20

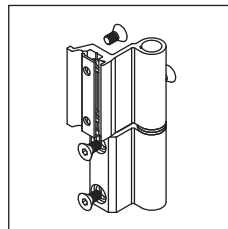
 Jogo topos condensação
para Y-20

30 91 40 15

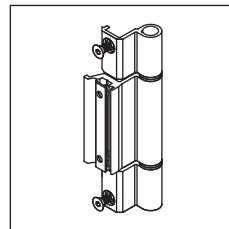
Esquadro aro fixo AKi-38

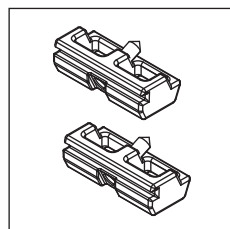

30 91 41 23

Perno 7x131 mm

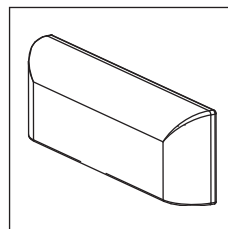

30 91 41 47/48

 Cremone pivotante especial
branco/preto

30 92 00 20/21

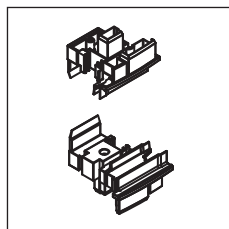
 Dobradiça C.E. branco/
preto

30 92 00 26/27/28

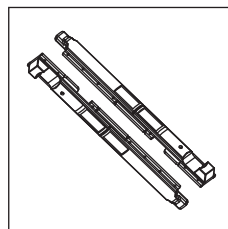
 Dobradiça três nós
(bruto/branco/preto)

30 92 00 50

Contra-fecho

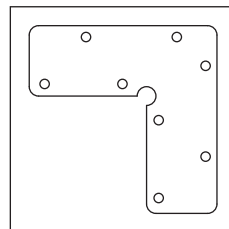

30 92 01 00/01

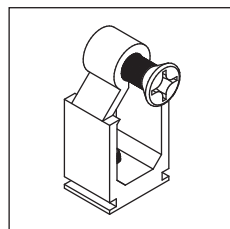
Goteiras preto/branco


30 92 01 14

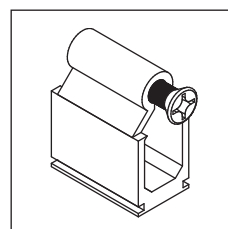
 Conjunto topos inversor
com furo AKi folha oculta

30 92 01 20

Jogo fecho C.E.

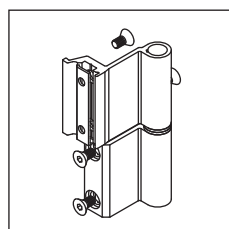

30 92 01 35

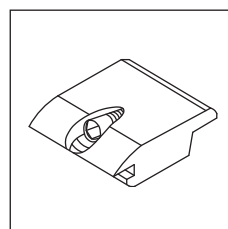
 Esquadro alinhamento
móvel

30 92 01 40

União topos janela

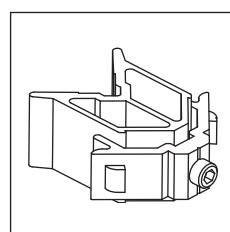

30 92 01 50

União topos porta

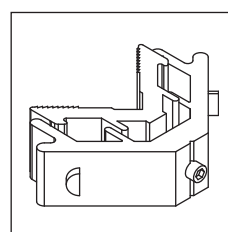

30 92 01 70/80

 Dobradiça 3 folhas
branco/preto

30 92 02 60

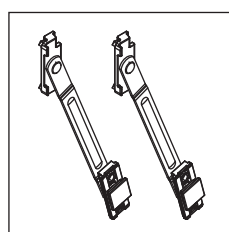
Apoio da folha

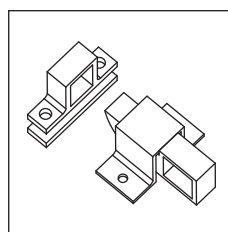

30 92 03 90

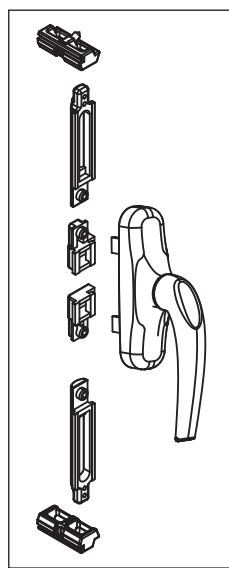
Esquadro porta


30 92 04 25

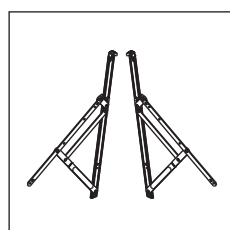
Esquadro AKi-80

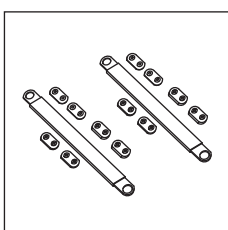

30 92 04 75

 Jogo compasso
basculante

30 92 04 76/77

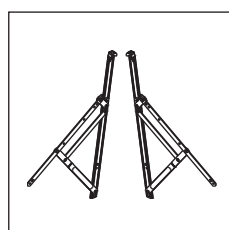
 Fecho clack (branco/
preto)

30 92 03 10/11

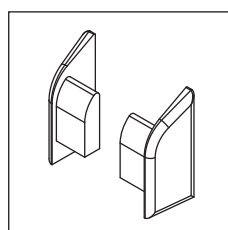
Kit cremone branco/preto


30 92 04 80

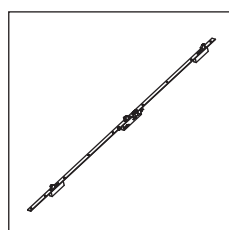
 Compasso projectante
deslizante até 50 kg/folha

30 92 04 85

Jogo compasso

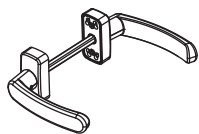

30 92 04 90

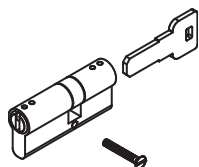
 Compasso projectante
deslizante até 70 kg/folha

30 92 05 00

Jogo topos AZ-60

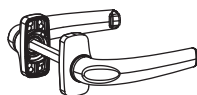

30 92 05 10

 Fechadura 3 pontos
(35 mm)


30 92 05 15

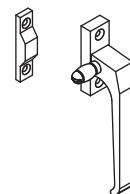
 Fecho de alavanca com
5 pontos de fecho

30 92 05 55

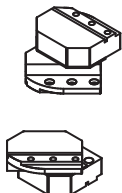
Canhão fechadura

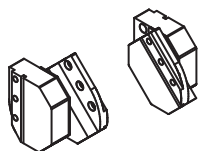

30 92 05 60/61

 Puxador duplo branco/
preto

30 92 06 00

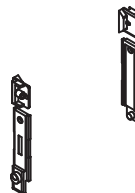
 Compasso projectante
deslizante até 20 kg/folha

30 92 06 10/11

 Cremone de lingueta
branco/preto

30 92 07 12

 Jogo pivotante vertical
especial AKi preto (130Kg)

30 92 07 13

 Jogo pivotante horizontal
especial AKi preto (130Kg)

30 92 07 16

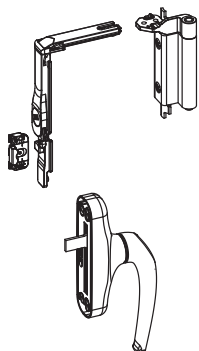
 Fecho perimetral
pivotante especial

30 92 07 17

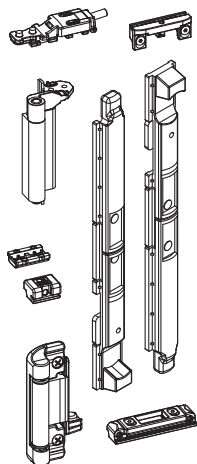
 Fecho suplementar
pivotante especial

30 92 12 11/12

 Compasso oscilo
400/500

30 92 12 13

 Compasso suplementar
AKi

30 92 12 20/21

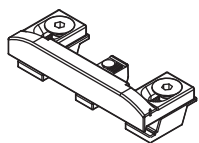
 Kit oscilobatente branco/
preto

30 92 12 24/25

 Kit 2ª folha OB branco/
preto

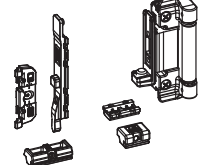
30 92 12 45

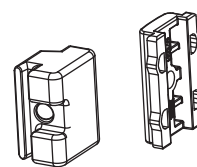
Kit fecho 3º ponto AKi

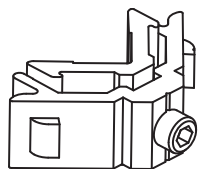

30 92 12 50

 Jogo passadores AKi
(Zamack)

30 92 12 55

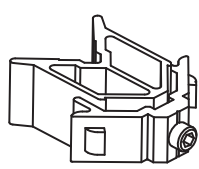
Ponto de fecho regulável


30 92 22 43

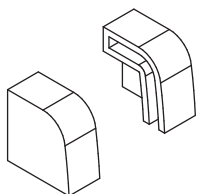
 Ponto de fecho O.B.
suplementar

30 95 52 15

 Ponto de fecho
suplementar

30 96 00 04

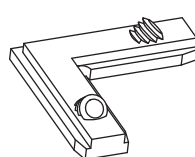
Esquadro janela

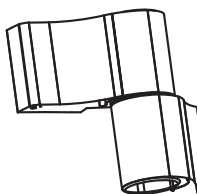

30 96 00 05

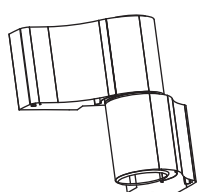
Esquadro aro fixo porta

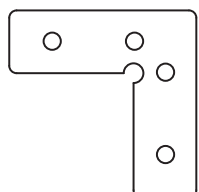

30 96 00 12

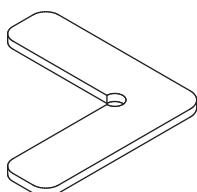
Jogo topos condensação

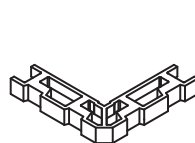

30 96 00 15

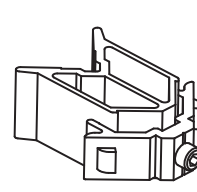
 Esquadro alinhamento
móvel

30 96 00 16/20

 Dobradiça lisa branco/
preto

30 96 00 17/21

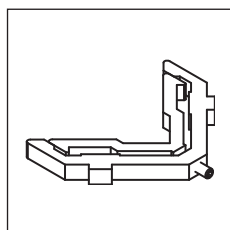
 Dobradiça com ressalto
branco/preto

30 96 00 22

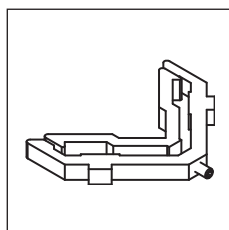
 Esquadro alinhamento
especial

30 96 00 23

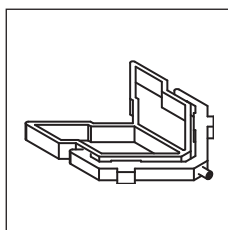
 Esquadro alinhamento
aro fixo

30 96 00 25

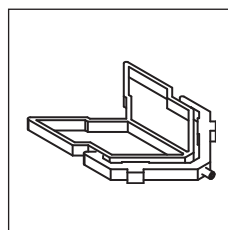
 Esquadro exterior aro
fixo

30 96 00 36

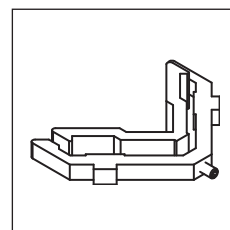
 Esquadro aro móvel
porta


30 96 00 38

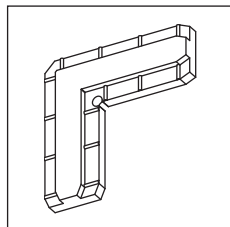
 Esquadro alinhamento
móvel janela

30 96 00 39

 Esquadro alinhamento
aro fixo janela

30 96 00 40

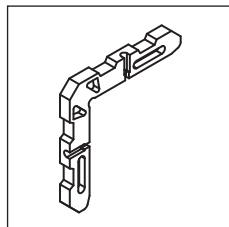
 Esquadro alinhamento
aro fixo porta

30 96 00 41

 Esquadro alinhamento
aro móvel porta

30 96 00 42

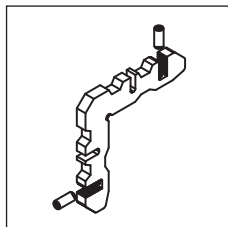
Esquadro perfil AKi-07

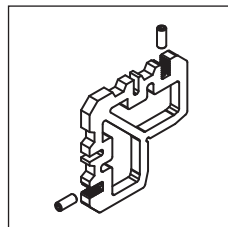

30 96 00 43

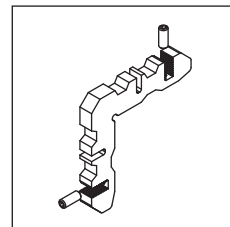
Esquadro alinhamento

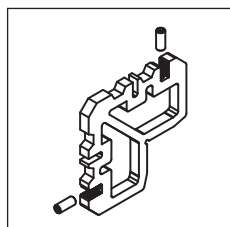

30 96 00 44

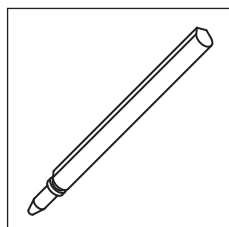
Esquadro exterior AKi-78

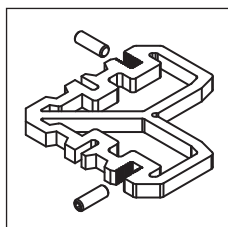

30 96 00 45

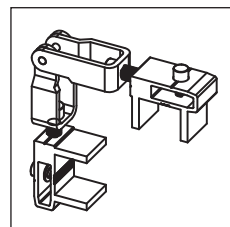
 Esquadro de alinhamento
5.2x14 com parafusos

30 96 00 46

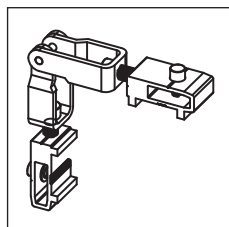
 Esquadro de alinhamento
5.2x36 com parafusos

30 96 00 48

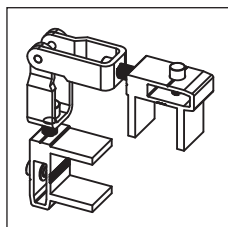
 Esquadro de alinhamento
7x14 c/ parafusos

30 96 00 49

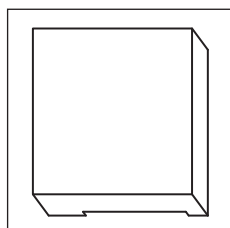
 Esquadro de alinhamento
aro fixo com parafusos

30 96 00 55

 Perno alternativo para
fixação de esquadro

30 96 00 60

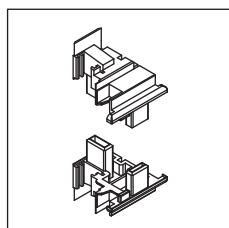
 Esquadro de alinhamento
5.2x31.6 com parafusos

30 96 00 64

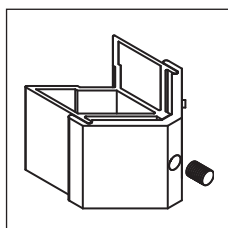
 Esquadro Angular 31
AKi-08/59/68/69

30 96 00 68

 Esquadro Angular 14 AKi-
03/05/33/35/57/58/61/74/76/77/81/83/97

30 96 00 69

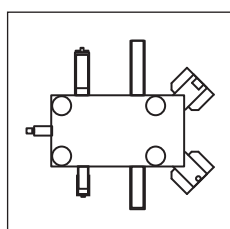
 Esquadro Angular 36
AKi-10/36/60/54

30 96 10 01

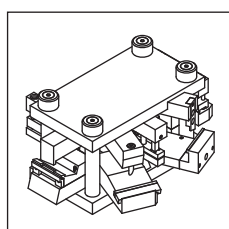
Calço para vidro


30 96 10 08

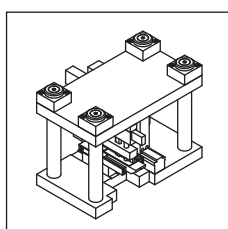
 Jogo topos inversor
AKi-04

30 96 10 15

Esquadro interior AKi-78


33 20 70 03

 Cunho AKi folha oculta
3D

33 96 79 99

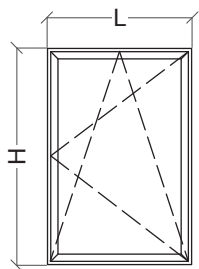
Cunho C.E.


33 96 87 99

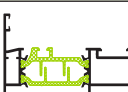
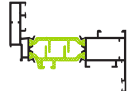
 Cunho esquadro interior
e exterior ARI/AKi

Referência	Desenho	Descrição
30 00 95 15		Junta vedação interior curta
30 20 26 03		Junta vedação vidro
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 AKi-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 18		Junta interior (abertura projectante/deslizante)
30 96 00 27		Junta exterior folha oculta 1D
30 96 10 04		Junta central
30 96 10 05		Junta vedação AKi - folha oculta 3D
30 96 10 09		Junta central AKi-09/AKi-25
30 96 10 12		Junta isolante

Janela 1 folha abrir e oscilo-batente



Perfis

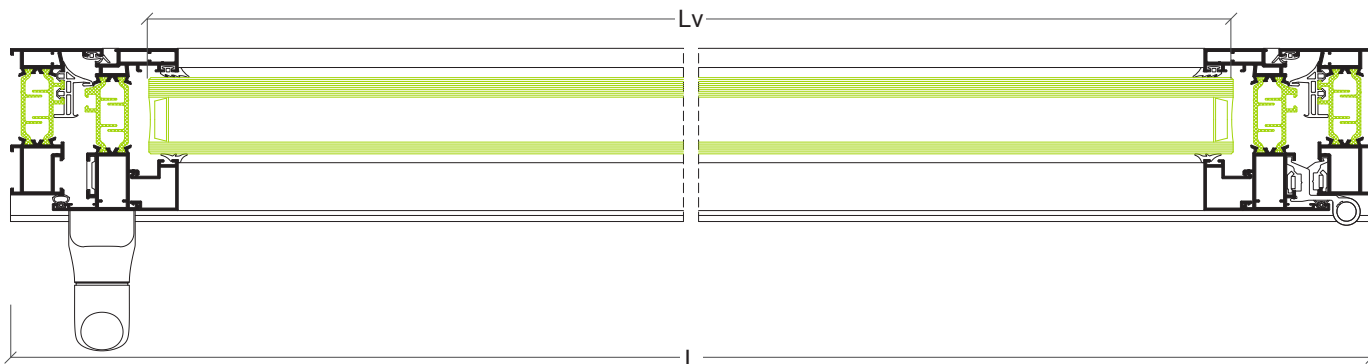
Desenho	Ref	Descrição	Corte	Quant	Medida
	AKi-03	Aro fixo		2	L
				2	H-28.5 mm
	AKi-61	Aro móvel		2	L-43 mm
				2	H-71.5 mm
	---	Bite		2	L-132 mm
				2	H-200.5 mm
	AKi-71	Soleira condensação		1	L
	AX-19	Vareta		1+1	Apro. H+L

Acessórios e Juntas

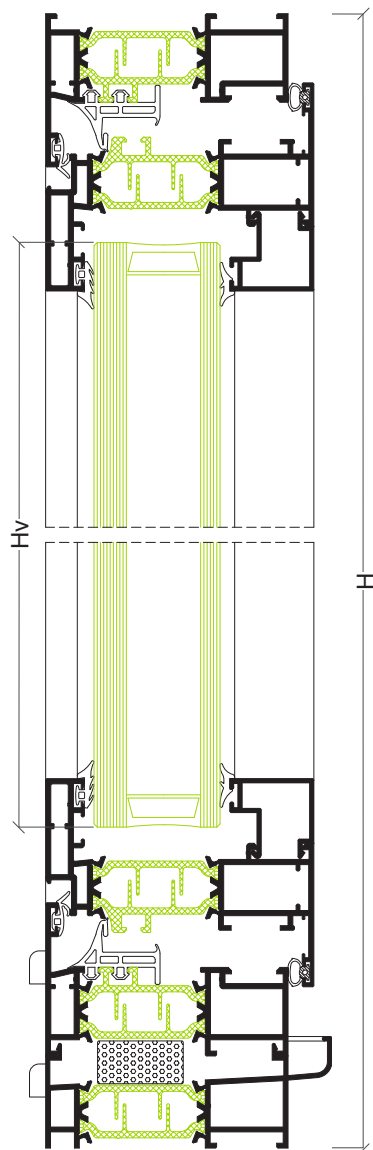
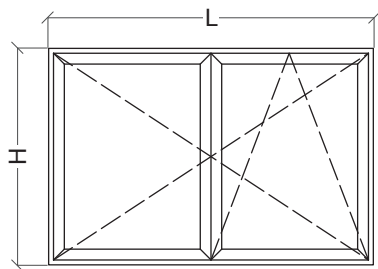
Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 92 00 20	Dobradiças C.E.	2	---
30 92 01 00	Goteiras	4	4
30 92 12 XX	Compasso O.B.	---	1
30 92 12 20	Kit oscilo-batente	---	1
30 92 02 60	Apoio da folha	1	---
30 92 03 10	Kit cremone	1	---
30 96 00 04	Esquadro janela	8	8
30 96 00 48	Esquadro alinhamento 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 10 01	Calço para vidro	4	4
30 92 04 70	Espuma isolante	L	
30 96 00 02	Junta exterior	2L+2H	
30 96 10 04	Junta central	2L+2H	
30 93 01 20	Junta interior	2L+2H	
---	Junta exterior vidro	2L+2H	
---	Junta interior vidro	2L+2H	

Vidro

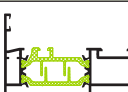
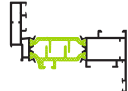
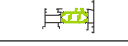
Hv = H-174 mm	Lv = L-146 mm
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Janela 2 folhas abrir e oscilo-batente



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	AKi-03	Aro fixo		2	L
	AKi-61	Aro móvel		2	H-28.5 mm
	AKi-04	Inversor		2	L/2-24 mm
	---	Bite		2	H-71.5 mm
	AKi-71	Soleira condensação		1	H-139.5 mm
	AX-19	Vareta		4	L/2-113 mm
				4	H-200.5 mm
				1	L
				1+1	Apro. H+L

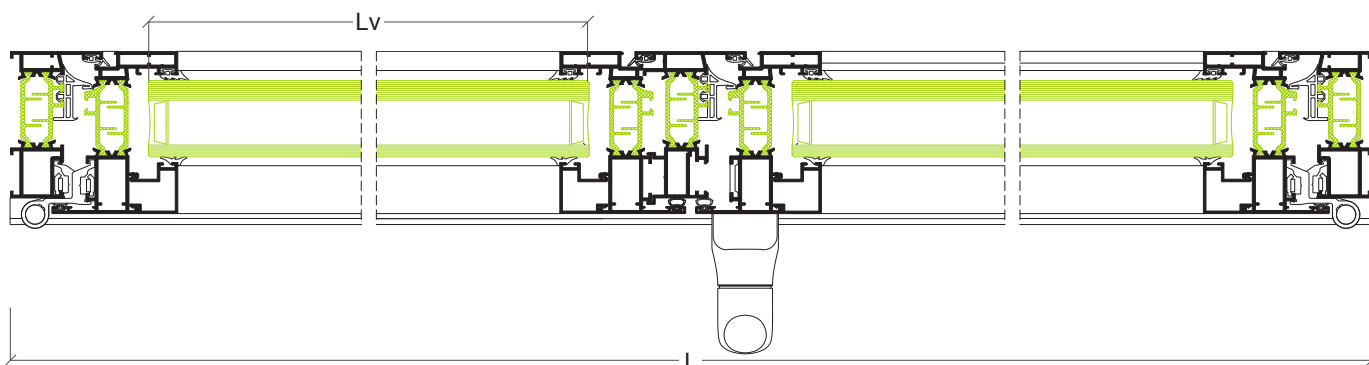
Acessórios e Juntas

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 12 XX	Compasso O.B.	---	1
30 92 12 20	Kit oscilo-batente	---	1
30 92 12 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 10 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 10 01	Calço para vidro	4	4
30 92 04 70	Espuma isolante	L	
30 96 00 02	Junta exterior	2L+4H	
30 96 10 04	Junta central	2L+3H	
30 93 01 20	Junta interior	2L+4H	
---	Junta exterior vidro	2L+2H	
---	Junta interior vidro	2L+2H	

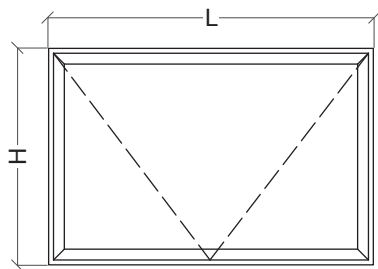
23

Vidro

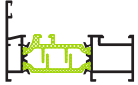
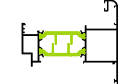
Hv = H-174 mm	Lv = L/2-127 mm
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Janela 1 folha projectante deslizante



Perfis

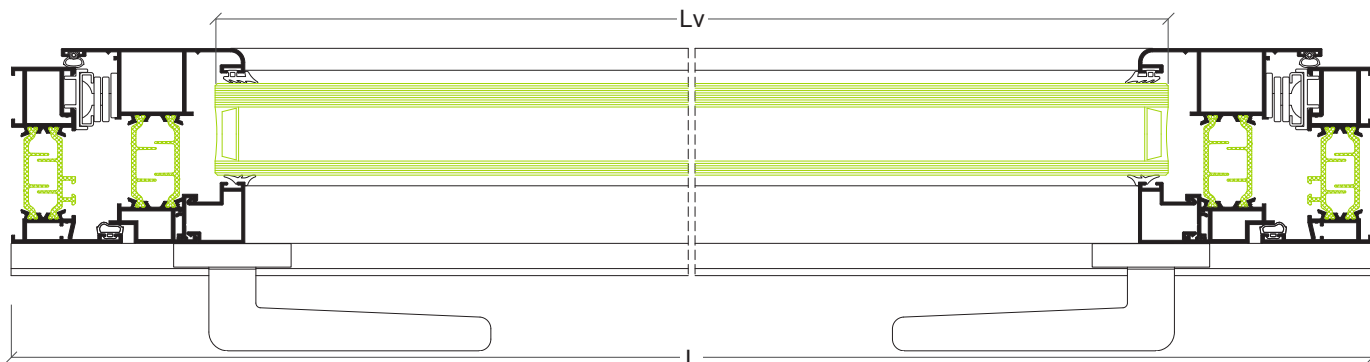
Desenho	Ref	Descrição	Corte	Quant	Medida
	AKi-03	Aro fixo		2	L
				2	H-28.5 mm
	AKi-07	Aro móvel abertura projectante deslizante		2	L-43 mm
				2	H-71.5 mm
	---	Bite		4	L-159 mm
				4	H-227.5 mm
	AXi-45	Pingadeira superior		1	L
	AXi-32	Complemento abertura projectante		2	segundo medida compasso
	ARi-29	Apoio bite		2	L-140 mm
				2	H-168.5 mm
	AKi-71	Soleira condensação		1	L

Acessórios e Juntas

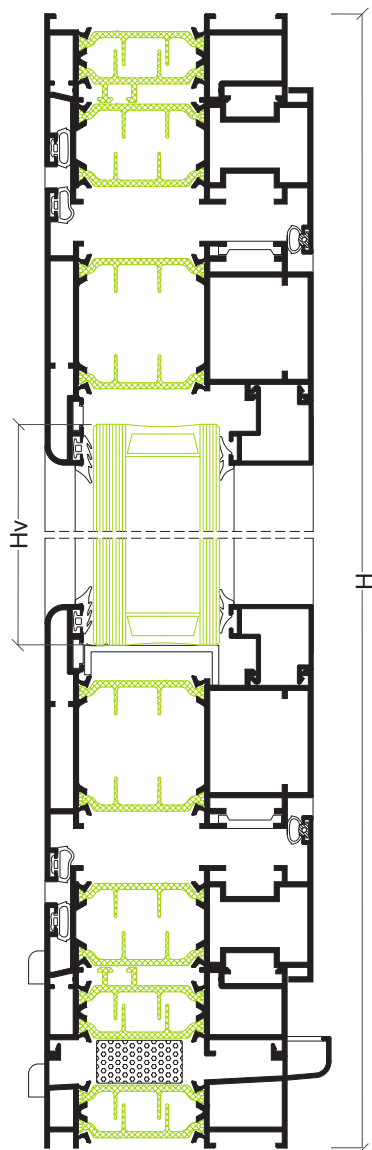
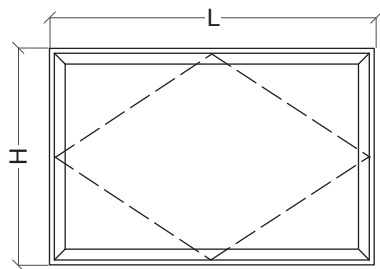
Referência	Descrição	Quantidade
30 92 01 00	Goteiras	2
30 92 04 10	Esquadro janela	4
30 92 04 90	Jogo compasso projectante deslizante 550	1
30 92 06 10	Cremone de lingueta	2
30 92 04 10	Esquadro janela abertura exterior	4
30 96 00 12	Jogo topos condensação	1
30 96 00 48	Esquadro alinhamento aro fixo	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

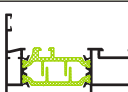
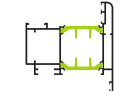
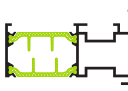
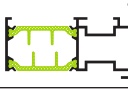
Hv = H-201 mm	Lv = L-173 mm
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Janela pivotante horizontal



Perfis

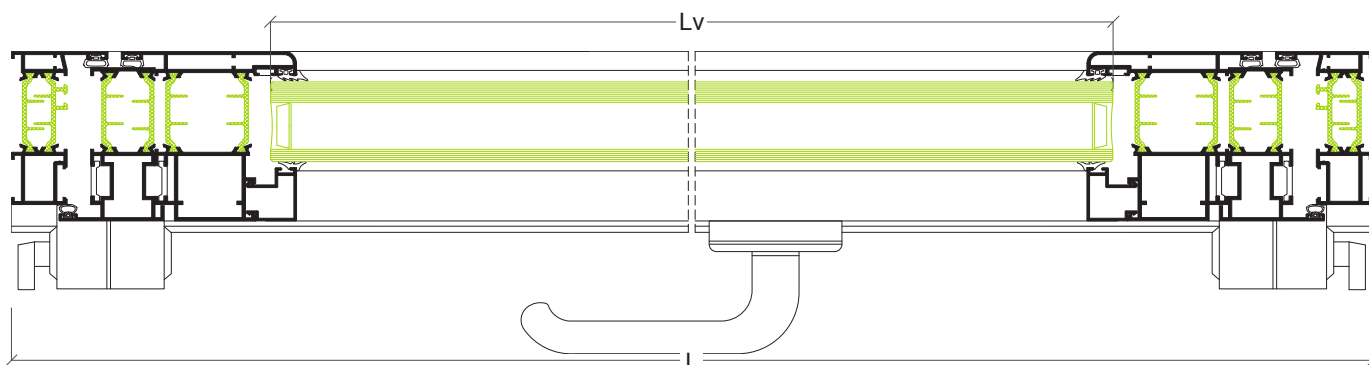
Desenho	Ref	Descrição	Corte	Quant	Medida
	AKi-03	Aro fixo		2	L
				2	H-28.5 mm
	AKi-25	Aro móvel abertura exterior		2	L-107 mm
				2	H-135.5 mm
	AKi-14	Inversor pivotante superior		1	L-46 mm
				2	H/2-23 mm
	AKi-14	Inversor pivotante inferior		1	L-46 mm
				2	H/2-51.5 mm
	---	Bite		2	L-239 mm
				2	H-307.5 mm
	AKi-71	Soleira condensação		1	L
	AX-19	Vareta		1+1	L+H
				1+1	L+H

Acessórios e Juntas

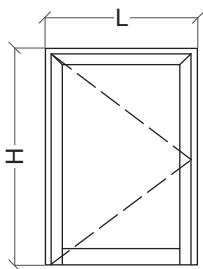
Referência	Descrição	Quantidade
30 92 01 00	Goteiras	4
30 94 50 10	Esquadro inversor	4
30 96 00 04	Esquadro janela	4
30 96 00 05	Esquadro móvel	4
30 96 00 48	Esquadro alinhamento exterior janela	4
30 96 00 12	Jogo topos condensação	1
30 92 07 13	Jogo pivotante horizontal	1
30 92 07 16	Fecho perimetral pivotante	1
30 96 00 15	Esquadro alinhamento móvel	4
30 91 41 48	Cremone	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

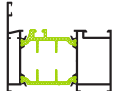
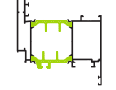
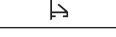
Hv = H-281 mm	Lv = L-253 mm
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Porta 1 folha



Perfis

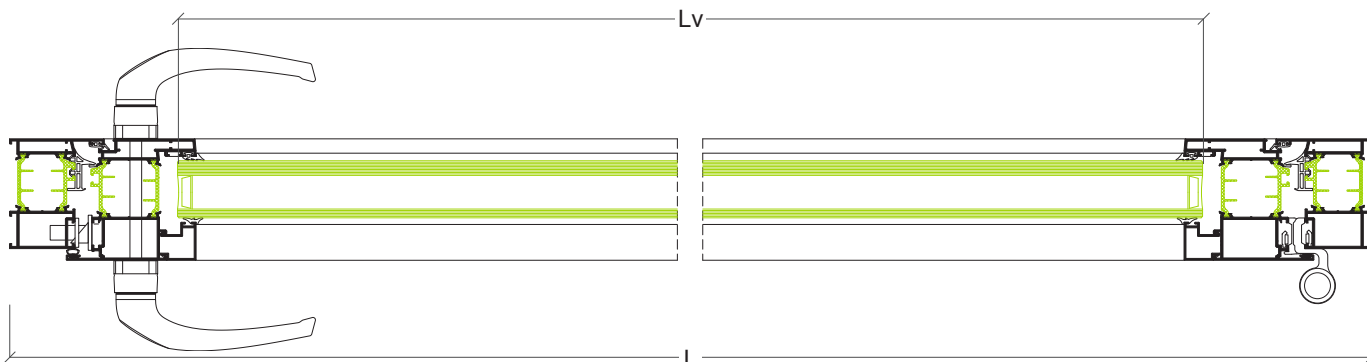
Desenho	Ref	Descrição	Corte	Quant	Medida
	AKi-08	Aro fixo		1	L
				2	H
	AKi-36	Aro móvel		2	L-78 mm
				2	H-46 mm
	AKi-23	Almofada		1	L-147 mm
	---	Bite		4	L-216 mm
				4	H-226 mm
	AZ-60	Pingadeira		1	L-148 mm

Acessórios e Juntas

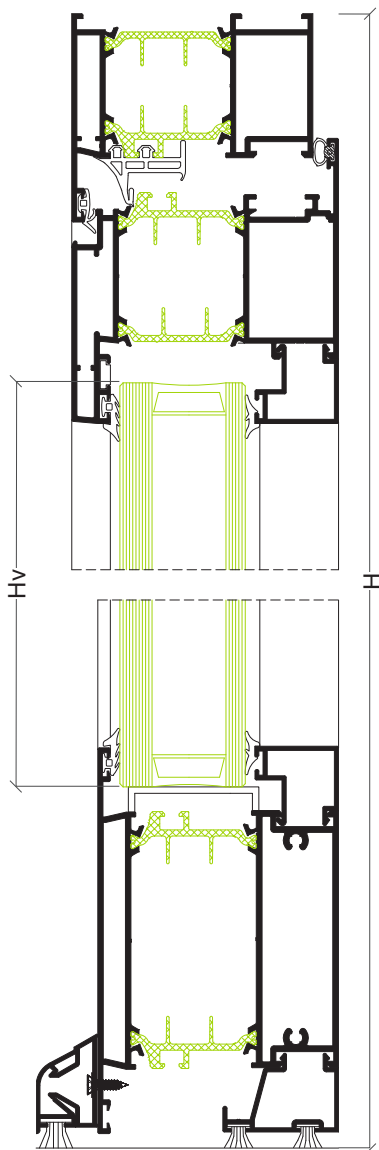
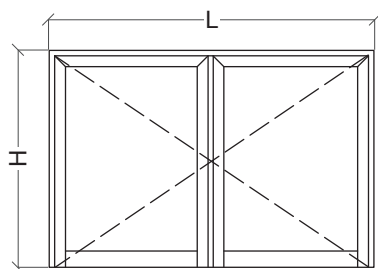
Referência	Descrição	Quantidade
30 92 00 20	Dobradiças C.E.	3
30 92 01 35	Esquadro alinhamento móvel	4
30 92 05 10	Fechadura 3 pontos	1
30 92 05 55	Canhão fechadura	1
30 92 05 60	Puxador duplo	1
30 96 00 05	Esquadro aro porta	2
30 96 00 15	Esquadro alinhamento móvel	4
30 96 00 36	Esquadro móvel porta	4
30 96 00 46	Esquadro alinhamento aro móvel porta	4
30 96 00 49	Esquadro alinhamento aro fixo	2
31 03 40 00	Mola para pingadeira	A cada 200 mm
30 92 05 00	Jogo topos AZ-60	1
30 96 10 01	Calço para vidro	4
30 93 00 80	Junta inferior	L
30 96 00 02	Junta exterior	L+2H
30 96 10 04	Junta central	L+2H
30 93 01 20	Junta interior	L+2H
---	Junta exterior vidro	2L+2H
---	Junta interior vidro	2L+2H

Vidro

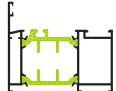
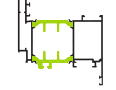
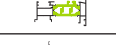
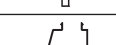
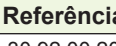
Hv = H-200 mm	Lv = L-230 mm
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Porta 2 folhas



Perfis

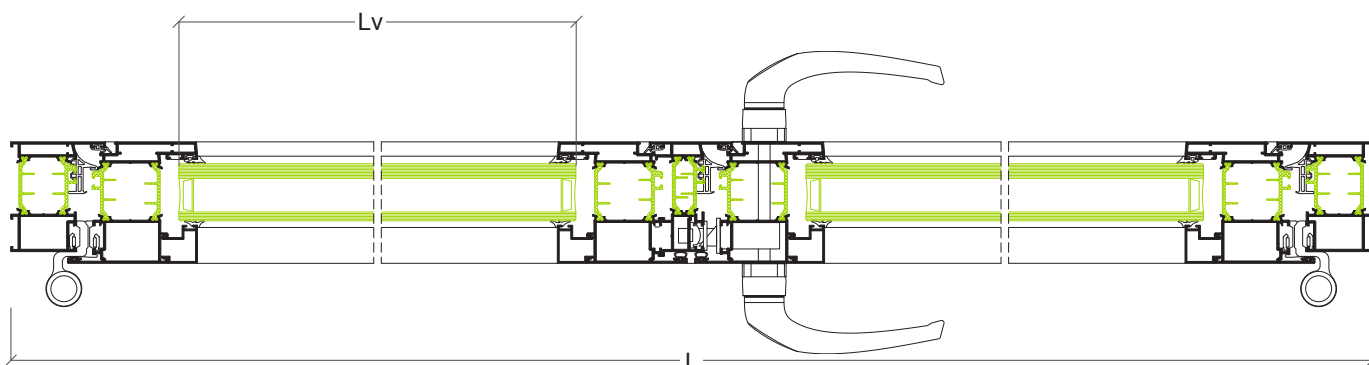
Desenho	Ref	Descrição	Corte	Quant	Medida
	AKi-08	Aro fixo		1	L
	AKi-10	Aro móvel		2	L/2-41.5 mm
	AKi-04	Inversor		4	H-44 mm
	AKi-12	Travessa		1	H-78 mm
	---	Bite		8	L-179 mm
	---	Bite		4	H-253 mm
	AZ-60	Pingadeira		1	L/2-112.5 mm
	AZ-61	Suplemento para pingadeira		1	L/2-43 mm
	AX-15	Bite remate		2	L/2-219.5 mm
	---	Bite remate		2	L/2-160.5 mm

Acessórios e Juntas

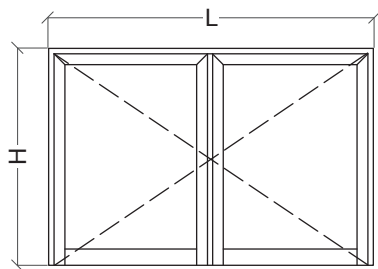
Referência	Descrição	Quantidade
30 92 00 20	Dobradiças C.E.	6
30 92 01 20	Jogo fecho C.E.	1
30 92 01 35	Esquadro alinhamento móvel	8
30 92 05 10	Fechadura 3 pontos	1
30 92 05 55	Canhão fechadura	1
30 92 05 60	Puxador duplo	1
30 96 00 05	Esquadro aro porta	2
30 96 10 08	Jogo topos inversor	1
30 96 00 15	Esquadro alinhamento móvel	8
30 96 00 36	Esquadro móvel porta	4
30 96 00 46	Esquadro alinhamento aro móvel porta	8
30 96 00 49	Esquadro alinhamento aro fixo	2
30 95 00 10	Pelúcia 7x9 mm	2L
30 95 05 00	Jogo topos AZ-60	1
30 96 10 01	Calço para vidro	8
30 96 00 02	Junta exterior	L+4H
30 96 10 04	Junta central	L+3H
30 93 01 20	Junta interior	L+4H
---	Junta exterior vidro	2L+4H
---	Junta interior vidro	2L+4H

Vidro

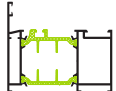
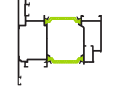
Hv = H-227 mm	Lv = L/2-193 mm
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Porta 2 folhas abertura exterior



Perfis

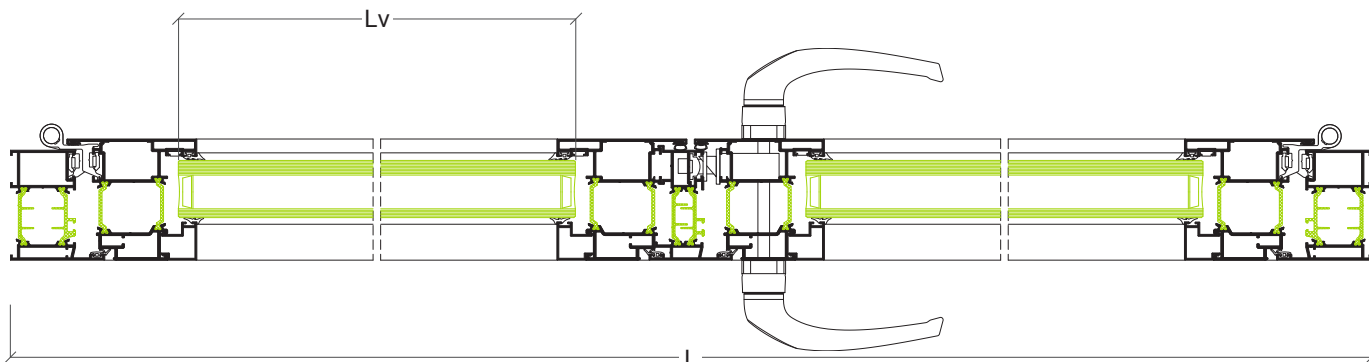
Desenho	Ref	Descrição	Corte	Quant	Medida
	AKi-08	Aro fixo		1	L
				2	H
	AKi-72	Aro móvel abertura exterior		2	L/2-41.5 mm
				4	H-44 mm
	AKi-04	Inversor		1	H-78 mm
	AKi-12	Travessa		1	L/2-169.5 mm
	AX-15	Bite remate		2	L/2-160.5 mm
	---	Bite		4	L/2-179 mm
				4	H-253 mm
	AZ-60	Pingadeira		1	L/2-112.5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

Acessórios e Juntas

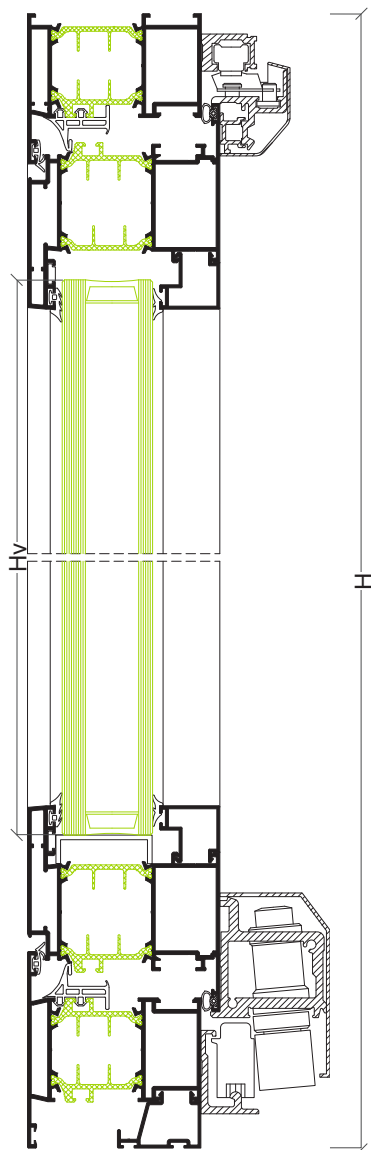
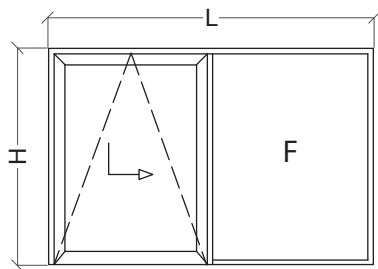
Referência	Descrição	Quantidade
30 92 01 20	Jogo fecho C.E.	1
30 92 05 10	Fechadura 3 pontos	1
30 92 05 55	Canhão fechadura	1
30 92 05 60	Puxador duplo	1
30 96 00 05	Esquadro porta	2
30 96 10 08	Jogo topos inversor	1
30 92 00 20	Dobradiça C.E.	6
30 95 00 10	Pelúcia 7x9 mm	2L
30 95 05 00	Jogo topos AZ-60	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 alinhamento aro fixo	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
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Porta oscilo-paralela com fixo lateral



Perfis

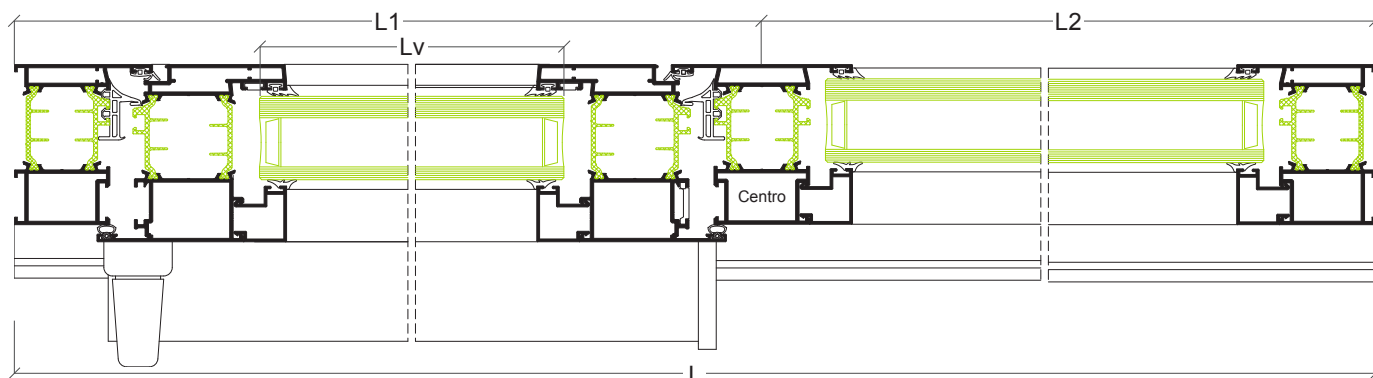
Desenho	Ref	Descrição	Corte	Quant	Medida
	AKi-08	Aro fixo		1	L
				2	H
	AKi-06	Travessa		1	L-80.5 mm
				1	H-100.5 mm
	AKi-36	Aro móvel		2	L1-55.5 mm
				4	H-98 mm
	---	Bite (folha)		2	L1-193 mm
				2	H-275.5 mm
	---	Bite (fixo)		2	L2-67.5 mm
				2	H-150 mm
	AX-15	Bite remate		1	L-90 mm
	AX-19	Vareta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

Acessórios e Juntas

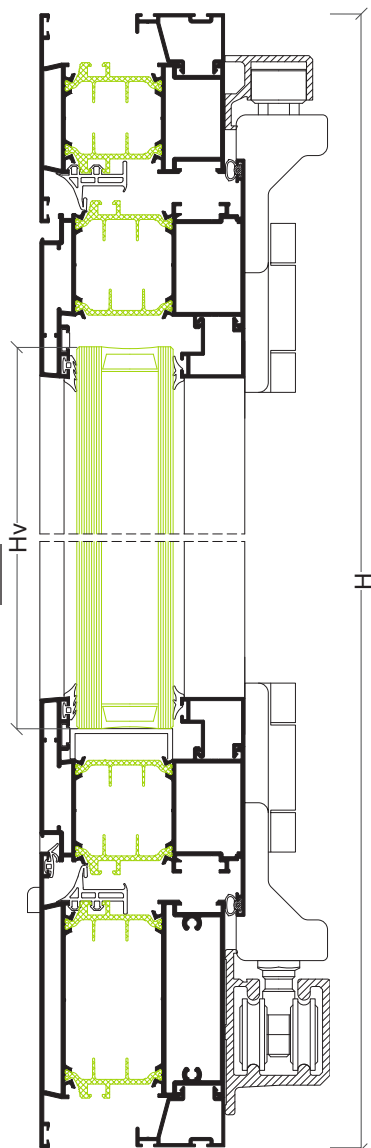
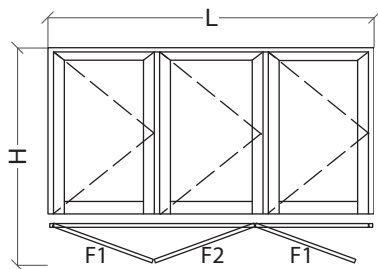
Referência	Descrição	Quantidade
30 92 01 00	Goteiras	4
30 92 01 35	Esquadro alinhamento móvel	4
30 92 01 50	União topos porta	4
30 96 00 05	Esquadro aro fixo	2
30 96 00 15	Esquadro alinhamento móvel	4
30 96 00 36	Esquadro aro móvel	4
30 96 00 46	Esquadro alinhamento exterior aro móvel	4
30 96 00 49	Esquadro alinhamento aro fixo	2
---	Kit oscilo-paralela	1
30 96 10 01	Calço para vidro	4
30 96 00 02	Junta exterior	2L1+2H
30 96 10 04	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 harmônio



Perfis

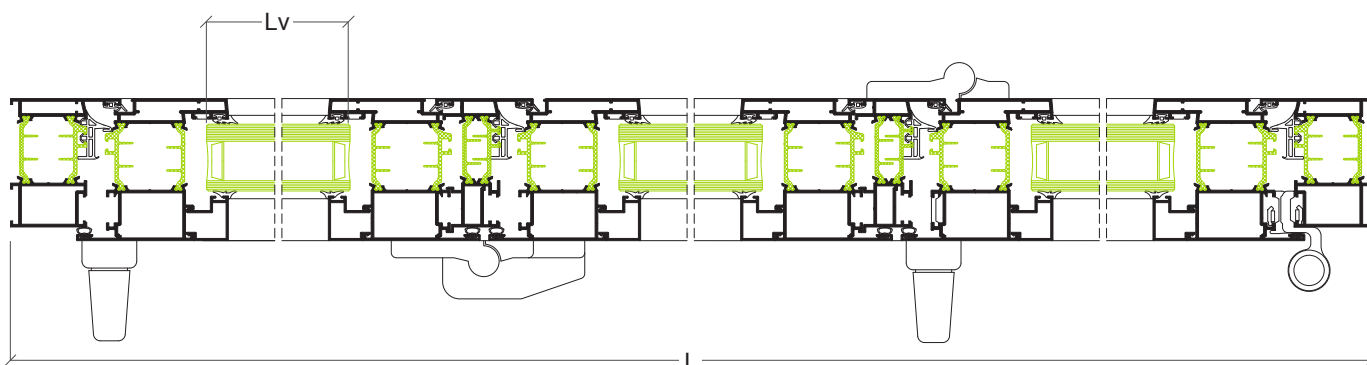
Desenho	Ref	Descrição	Corte	Quant	Medida
	AKi-08	Aro fixo		2	H
	AKi-06	Travessa		1	L-80.5 mm
	AKi-12	Travessa		1	L-80.5 mm
	AKi-36	Aro móvel		6	consultar
				6	consultar
	AKi-04	Inversor		2	consultar
	---	Bite (folha)		6	consultar
				6	consultar
	AX-15	Bite remate		2	L-90 mm
	AX-19	Vareta		2	2H

Acessórios e Juntas

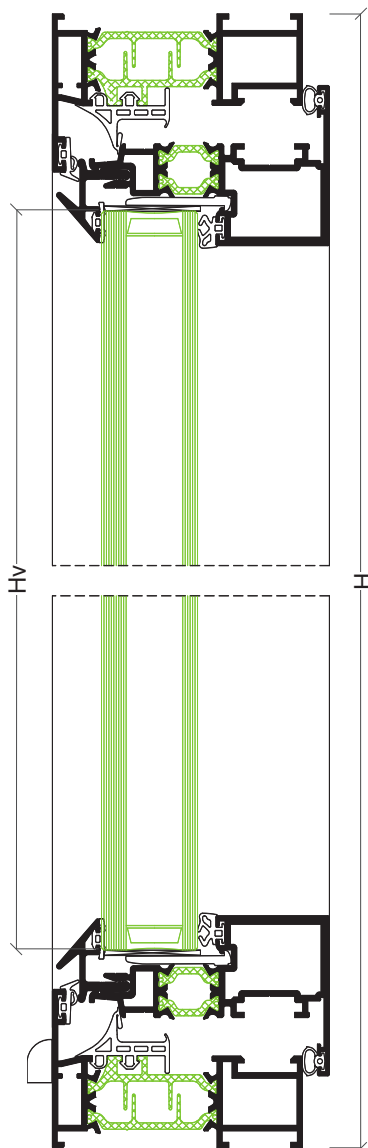
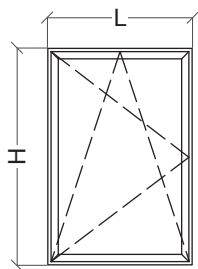
Referência	Descrição	Quantidade
30 92 01 00	Goteiras	6
30 92 01 35	Esquadro alinhamento móvel	12
30 96 10 08	Jogo topos inversor	2
30 96 00 15	Esquadro alinhamento aro móvel	12
30 96 00 36	Esquadro aro móvel porta	12
30 96 00 46	Esquadro alinhamento exterior porta	12
---	Kit harmônio (3+0)	1
30 92 01 50	União topo porta	2
30 92 01 20	Jogo fecho C.E.	1
30 96 10 01	Calço para vidro	12
30 96 00 02	Junta exterior	2L+6H
30 96 10 04	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 oscilo-batente (3D)



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	AKi-03	Aro fixo		2	L
				2	H
	AKi-78	Aro móvel		2	L-43 mm
				2	H-43 mm
	AKi-52	Bite		2	L-87 mm
				2	H-87 mm
	AX-19	Vareta		várias	---

* Preferencialmente cortar juntamente com o perfil AKi-78

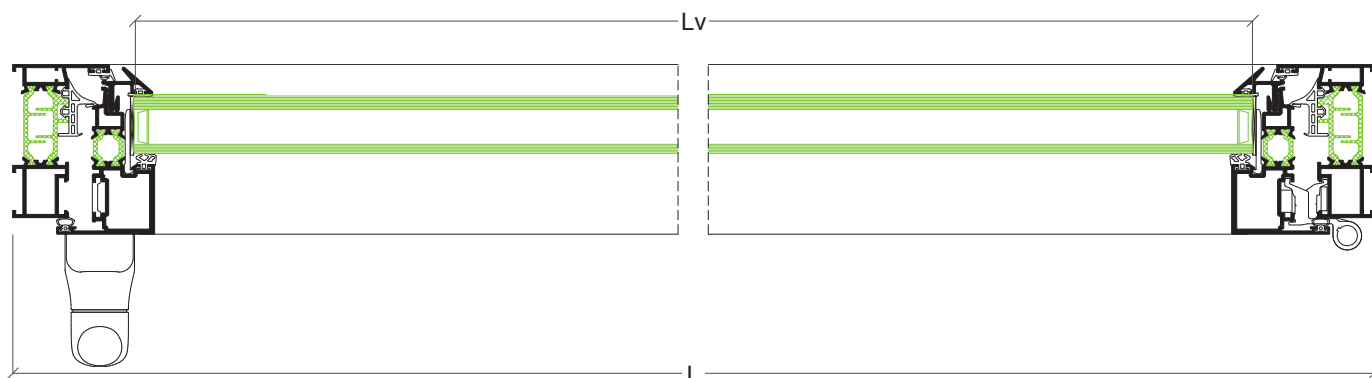
Acessórios e Juntas

Referência	Descrição	Quantidade
30 96 00 04	Esquadro interior aro fixo	4
30 96 00 39 ou 48	Esquadro exterior aro fixo	4
30 96 10 15	Esquadro interior aro móvel	4
30 96 00 44	Esquadro exterior aro móvel	4
30 96 00 55	Pino para esquadro	8
30 92 01 35	Esquadro de alinhamento	4
30 92 01 02	Goteira com válvula (cor preto)	2 ou mais
30 96 10 05	Junta vedação AKi - folha oculta 3D	2L+2H
30 96 00 02	Junta exterior	L+2H
30 96 10 04	Junta central	2L+2H
30 93 01 20	Junta interior	2L+2H
---	Junta interior vidro	2L+2H
---	Ferragem oscilo-batente	---

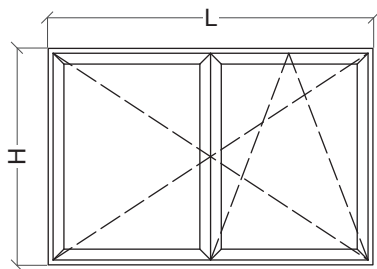
31

Vidro

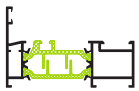
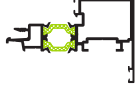
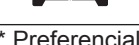
Hv = H-115 mm	Lv = L-115 mm
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Janela 2 folhas oscilo-batente (3D)



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	AKi-03	Aro fixo		2	L
				2	H
	AKi-78	Aro móvel		4	(L/2)-24 mm
				4	H-43 mm
	AKi-52	Bite		4	(L/2)-68 mm
				4	H-87 mm
	AKi-04	Inversor		1	H-119 mm
	AX-19	Vareta		várias	---

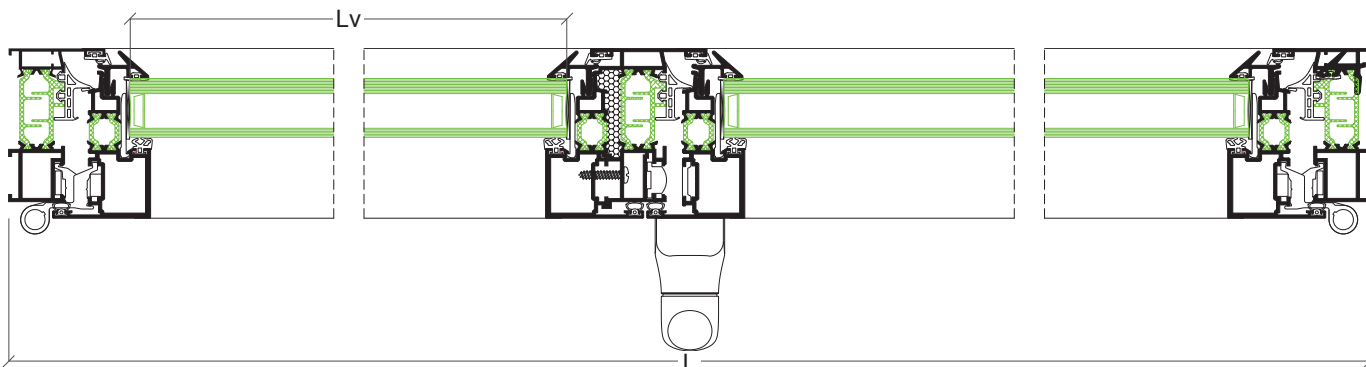
* Preferencialmente cortar juntamente com o perfil AKi-78

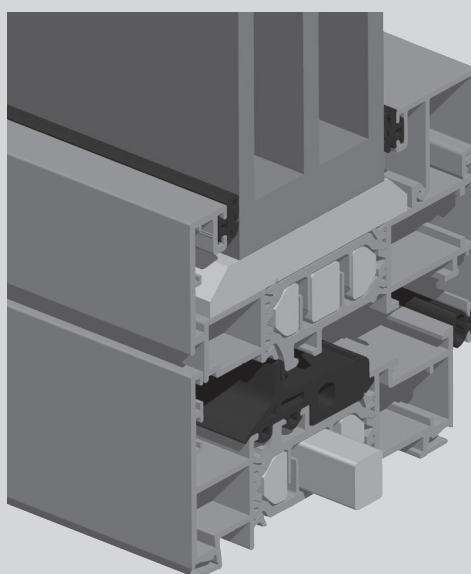
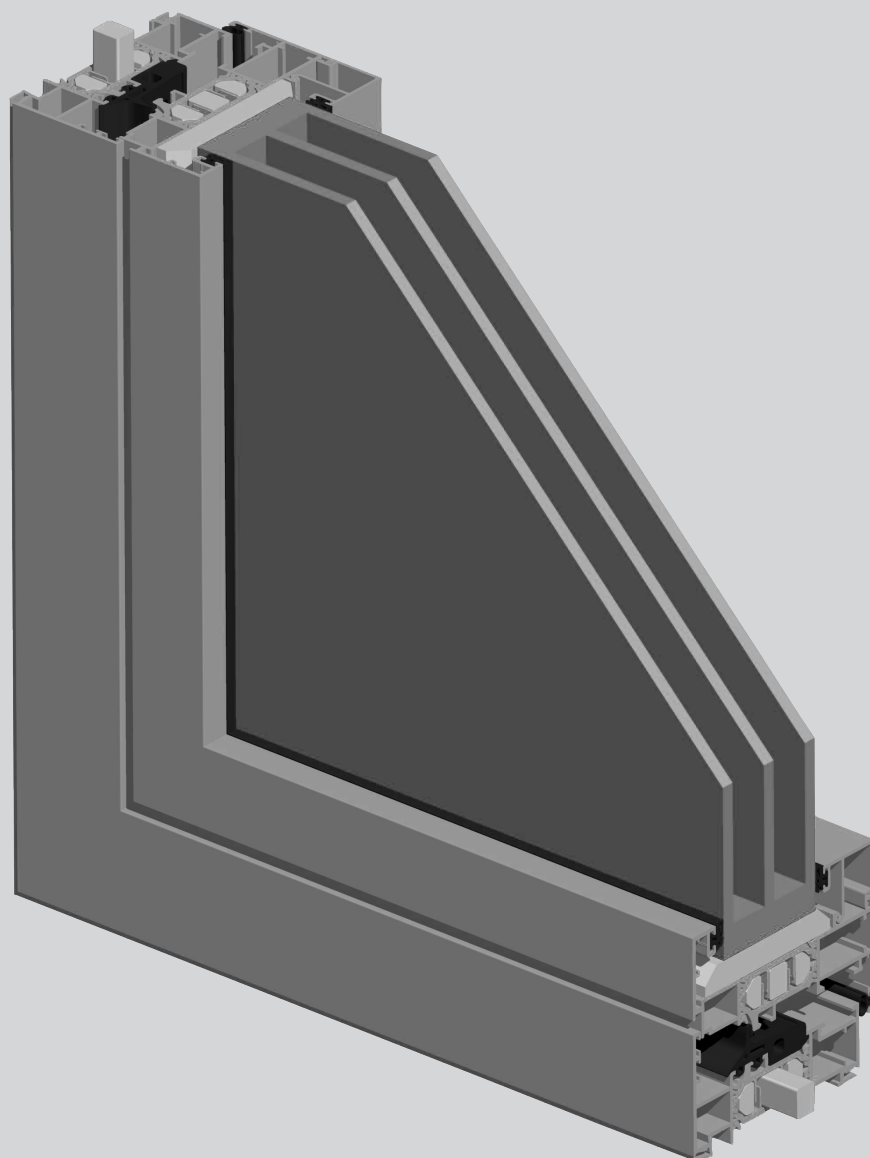
Acessórios e Juntas

Referência	Descrição	Quantidade
30 96 00 04	Esquadro interior aro fixo	4
30 96 00 39 ou 48	Esquadro exterior aro fixo	4
30 96 10 15	Esquadro interior aro móvel	8
30 96 00 44	Esquadro exterior aro móvel	8
30 96 00 55	Pino para esquadro 30 96 00 44	16
30 92 01 35	Esquadro de alinhamento	8
30 92 01 02	Goteira com válvula (cor preto)	2 ou mais
30 92 01 14	Conjunto topo inversor	1
30 92 02 60	Calço de apoio da folha passiva	1
30 96 10 05	Junta vedação AKi - folha oculta 3D	2L+4H
30 96 00 02	Junta exterior	L+4H
30 96 10 04	Junta central	2L+3H
30 93 01 20	Junta interior	2L+4H
---	Junta interior vidro	2L+4H
---	Ferragem oscilo-batente	---

Vidro

Hv = H-115 mm	Lv = (L/2)-96 mm
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Sistema
APi

Sistema APi

Sistema de batente com RPT - 85 mm

Características do sistema

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

O sistema APi possibilita a execução de 3 versões de caixilharia:

1. Linha recta;
2. Linha curva;
3. Linha oval.

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

Com um óptimo isolamento térmico aliado à aplicação de um inovador produto designado por baguete ThermoProfile, o Sistema APi proporciona elevadas prestações de conforto e de economia energética.

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 39 mm reforçadas com 25% de fibra de vidro.

Espessura média dos perfis de alumínio de 1.7 mm.

Aros fixos

Secção dos aros fixos de 85 mm com tripla câmara;

Perfis com rotura térmica com varetas de poliamida tipo ómega de 39 mm;

Aros fixos com duplo esquadro de aperto rápido e esquadros de alinhamento para montagem a meia esquadria;

Travessas com dupla união para um aperto mais eficaz;

Aros fixos tradicionais para o mercado interno;

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

Aro fixo com clip exterior e interior para aplicação de remate de 30, 50 ou 80 mm para o mercado francês;

Aros móveis

Secção dos aros móveis de 93 mm com tripla câmara;

Aros móveis com rotura térmica através de varetas de poliamidas tipo ómega de 39 mm;

Aros móveis com duplo esquadro de aperto rápido e esquadros de alinhamento para montagem a meia esquadria;

Perfil inversor com olhal para uma melhor aplicação do topo inversor.

Dimensionamento e manobralidade

Dimensões mínimas - máximas de folha: 457 mm - 1700 mm (L); 457 mm - 3000 mm (H);

Peso máximo para janelas ou portas de sacada com oscilo-batente até 170 Kg;

Peso máximo para portas de entrada até 160 Kg/folha;

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

Solução de perfil para portas pedonais ou de sacada de abertura interior ou exterior segundo norma PMR (pessoas com mobilidade reduzida);

Enchimento para vidro duplo ou triplo desde 24 mm até 70 mm;

Estanquidade assegurada através de juntas duplas em EPDM (interior e central), com junta central termo-isolante de bi-material.

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 APi:

1. Permeabilidade ao ar: Classe 4 (norma de ensaio EN 1026)
2. Estanquidade à água: Classe E1500 (norma de ensaio EN 1027)
3. Resistência ao vento: Classe C5 (norma de ensaio EN 12211)

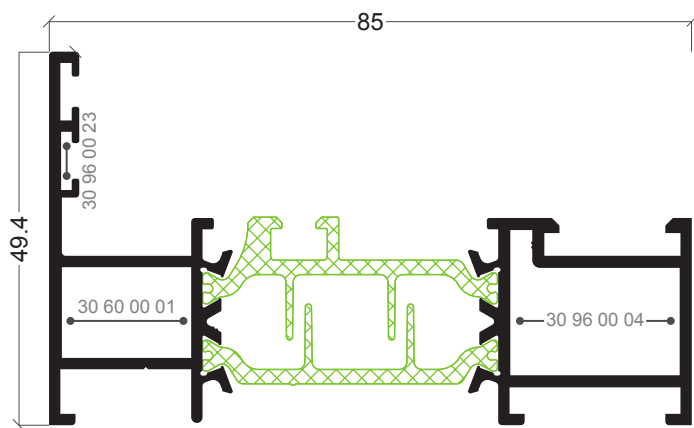
Coeficiente de transmissão térmica de vão de 2 folhas com 1.20 m x 1.50 m com vidro $U_g = 0.5 \text{ W/m}^2\text{K}$ com intercalar efeito "Warm Edge":

• $U_w = 1.09 \text{ W/m}^2\text{K}$

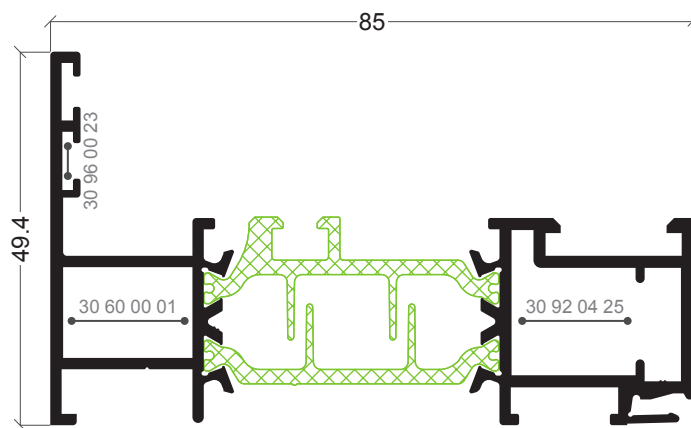
Coeficiente de atenuação acústica de vão de 2 folhas:

• $R_w (C ; C_{tr}) = 41 \text{ dB} (-2 ; -5)$

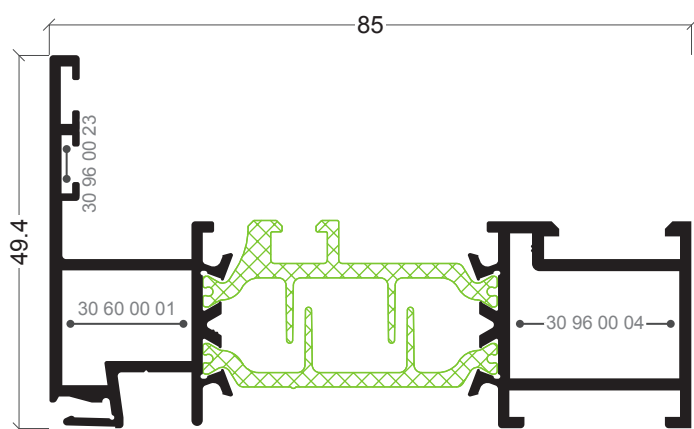
Zonas de aplicação segundo RCCTE (em função do valor U_g) : I1, I2, I3, V1, V2, V3


APi-03

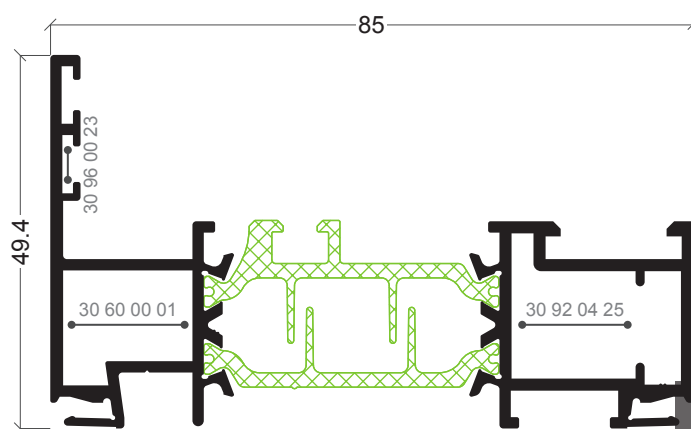
Aro fixo


APi-91

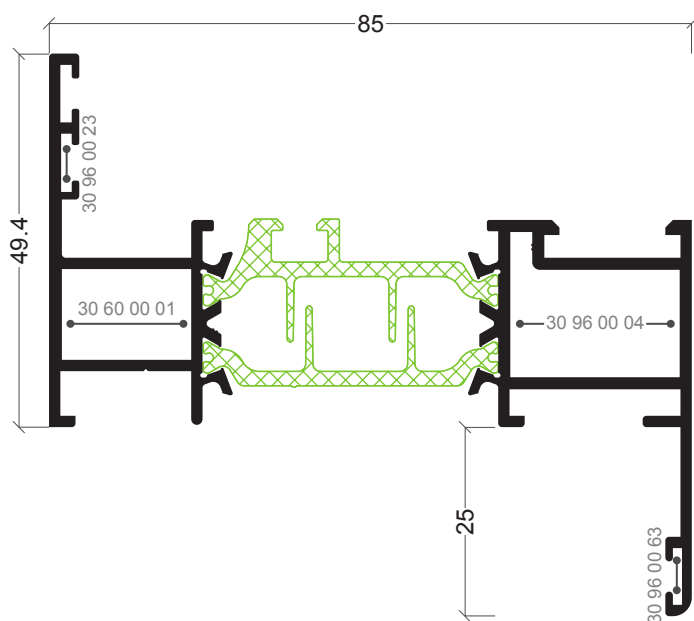
Aro fixo


APi-76

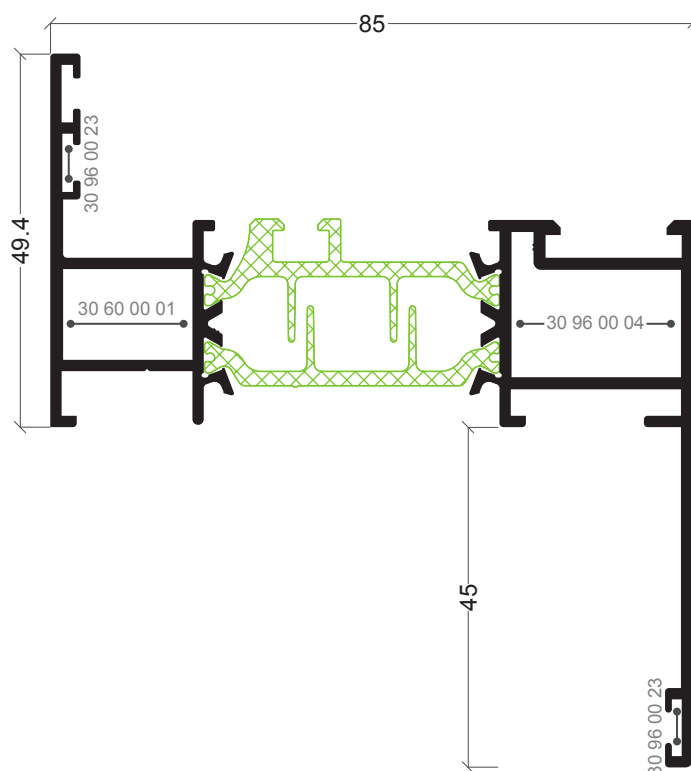
Aro fixo


APi-80

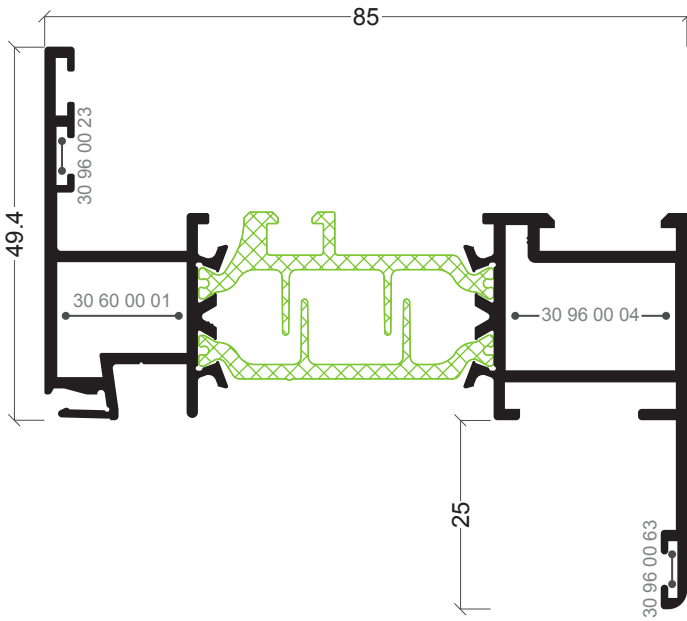
Aro fixo


APi-35

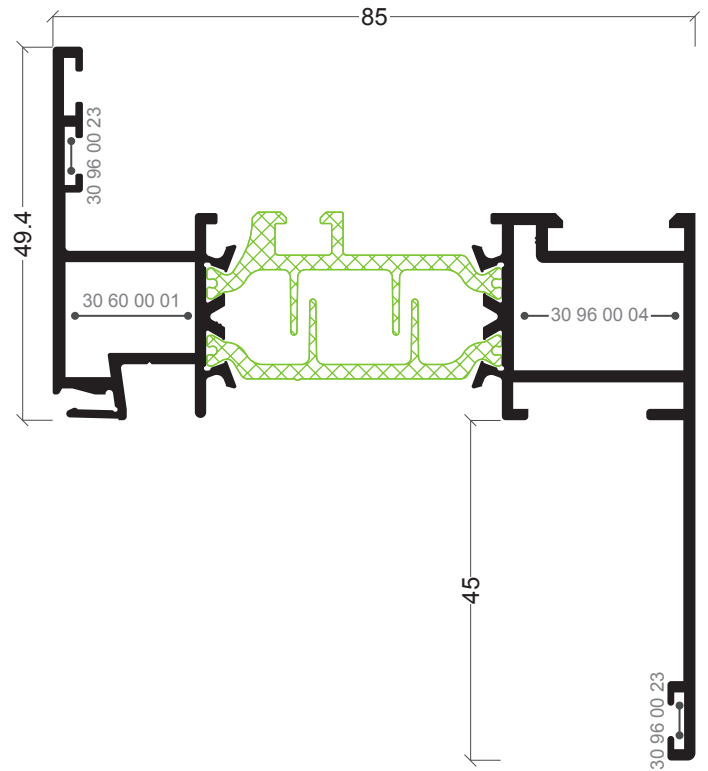
Aro fixo com remate 25 mm


APi-33

Aro fixo com remate 45 mm

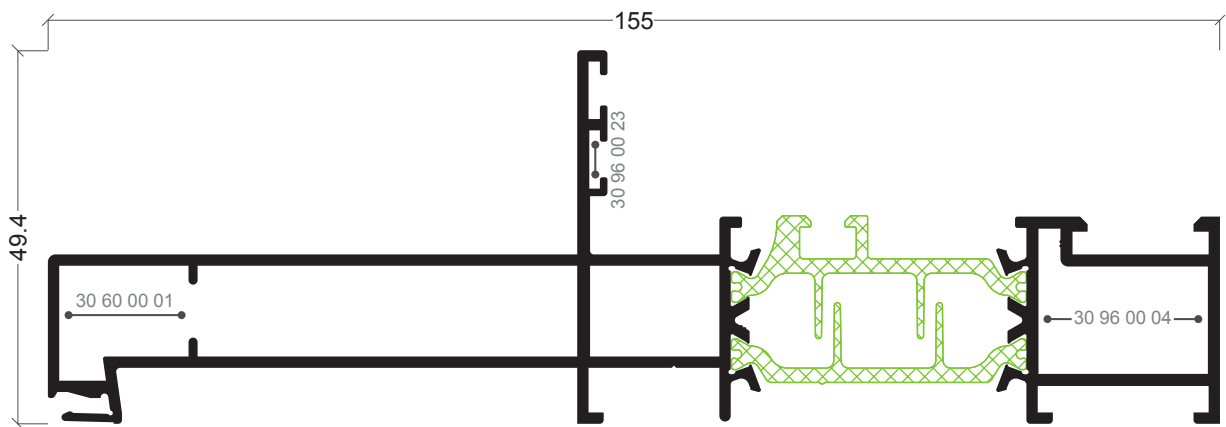


API-74
Aro fixo com remate 25 mm

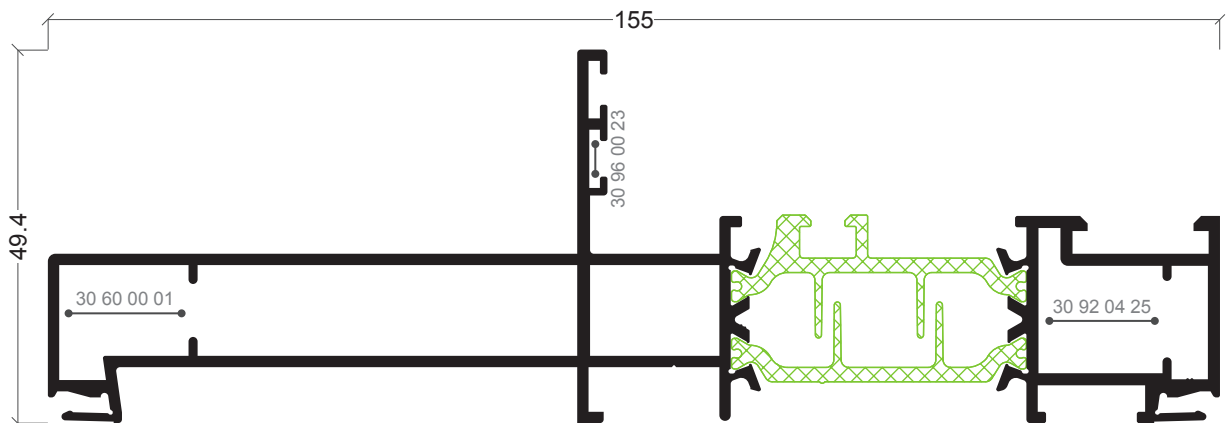


API-75
Aro fixo com remate 45 mm

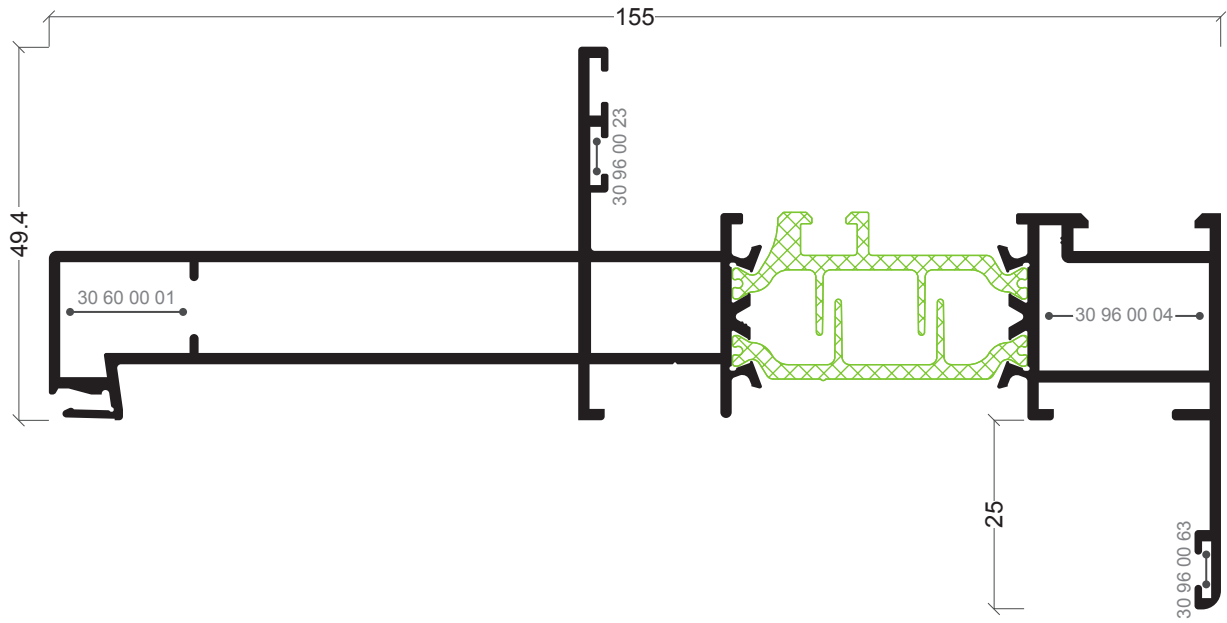
4



API-89
Aro fixo

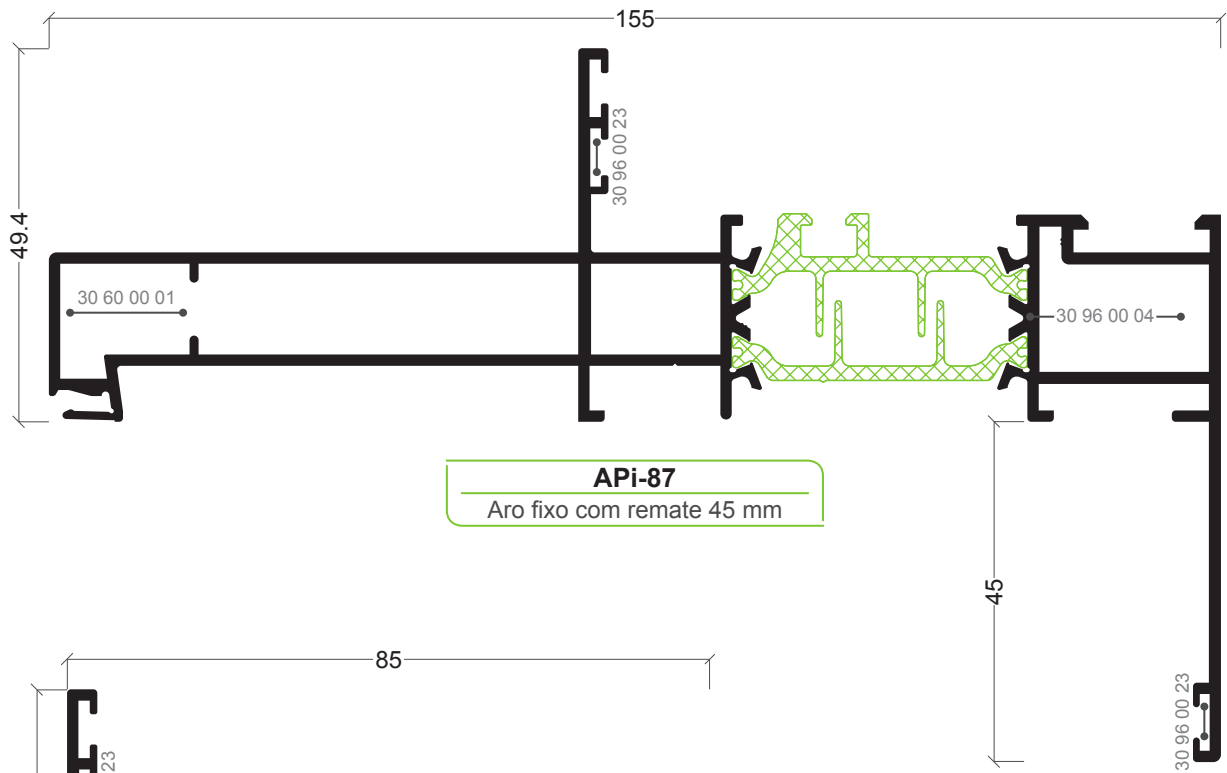


API-88
Aro fixo



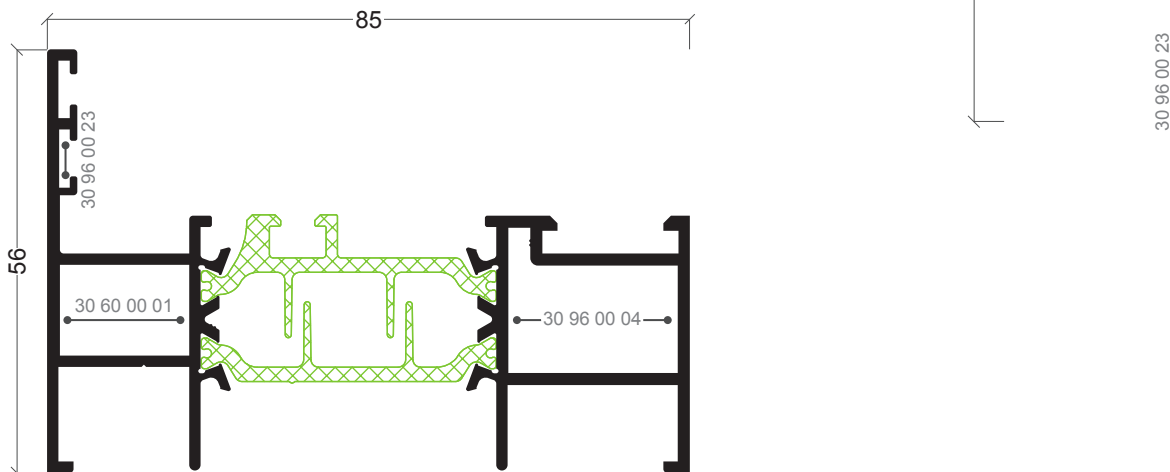
API-86

Aro fixo com remate 25 mm



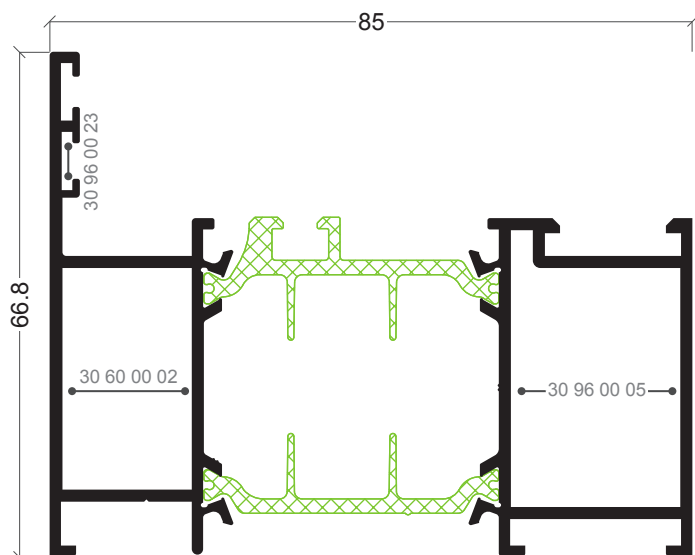
API-87

Aro fixo com remate 45 mm

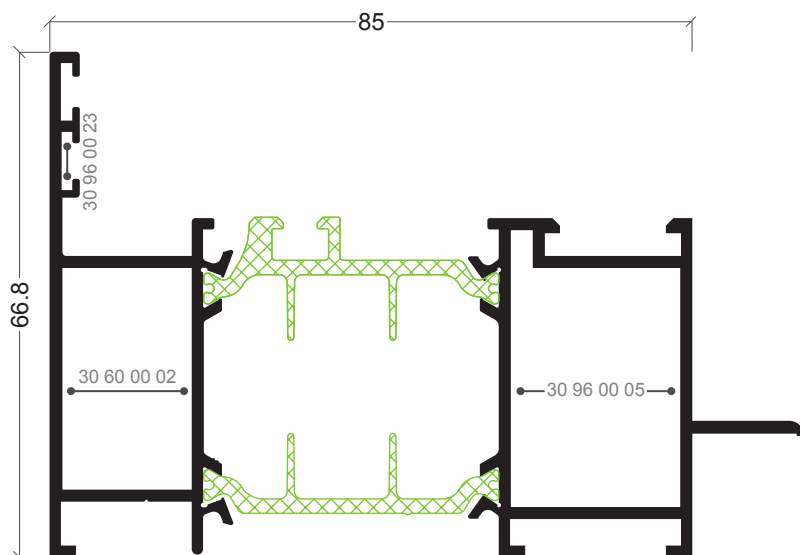


API-81

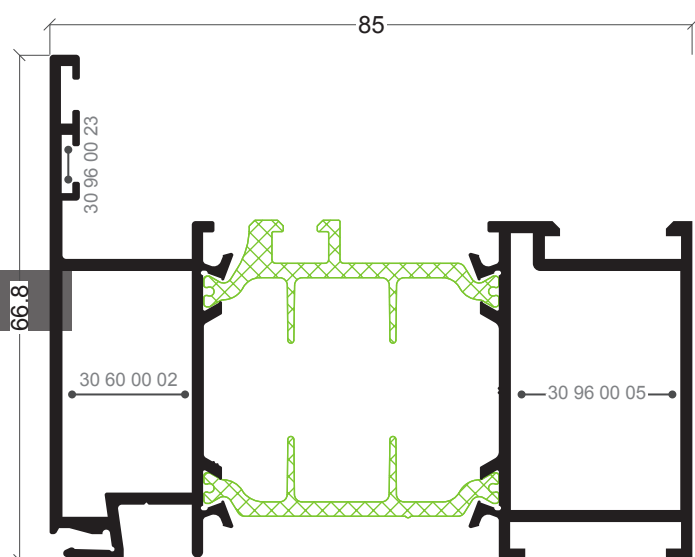
Aro fixo



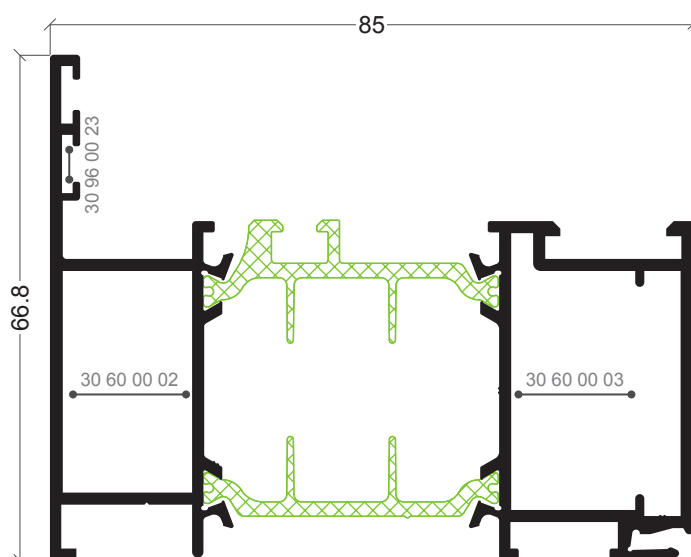
API-08
Aro fixo



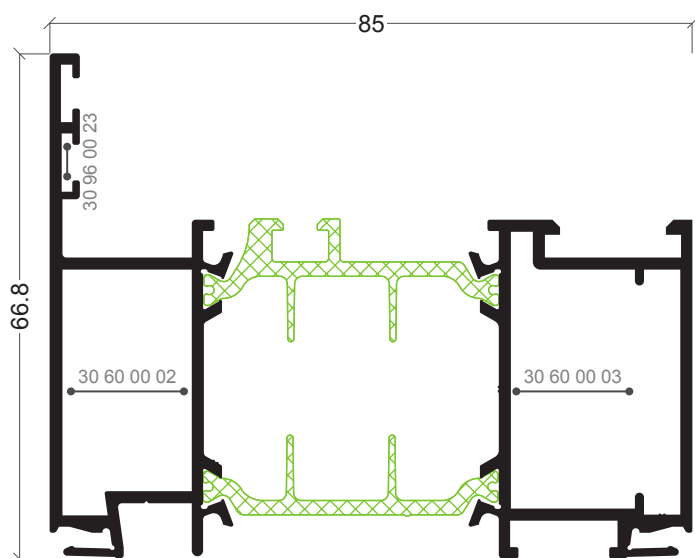
API-68
Aro fixo



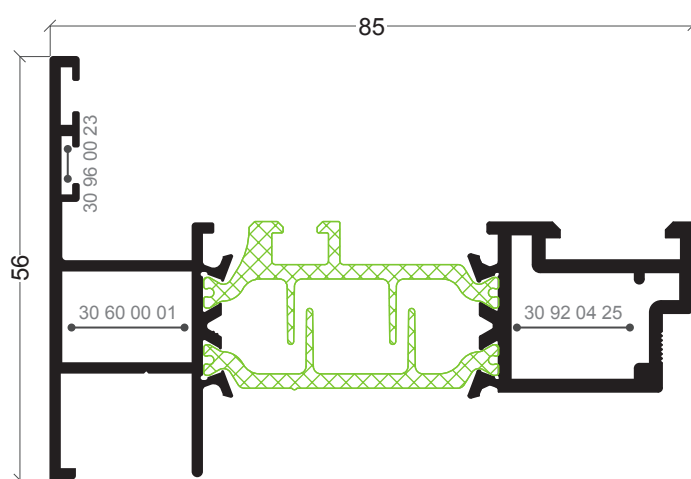
API-92
Aro fixo



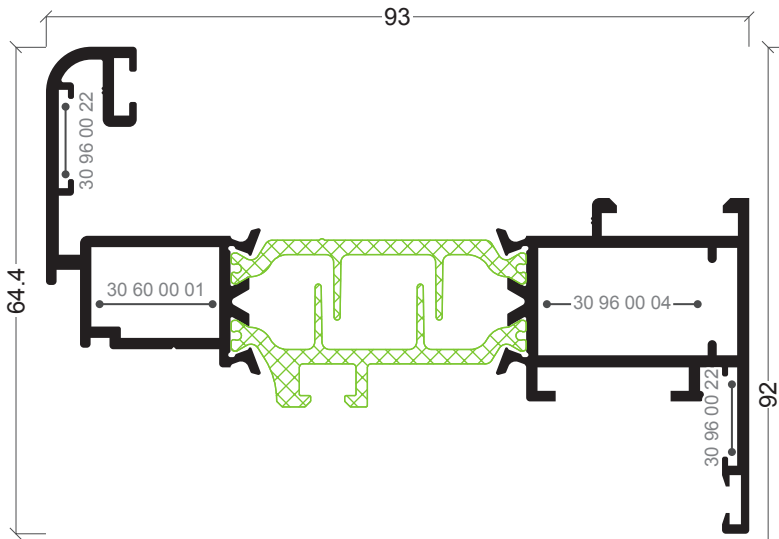
API-93
Aro fixo



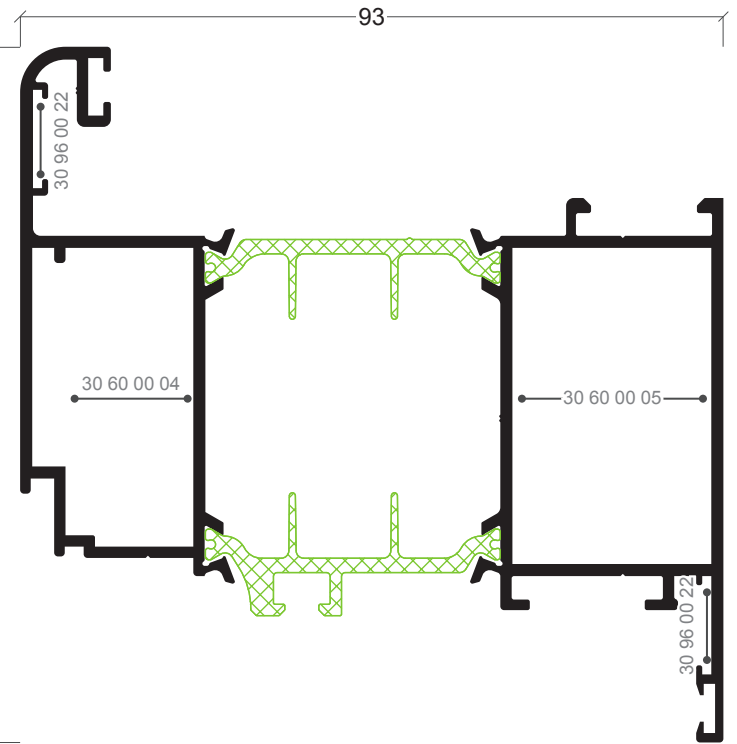
API-94
Aro fixo



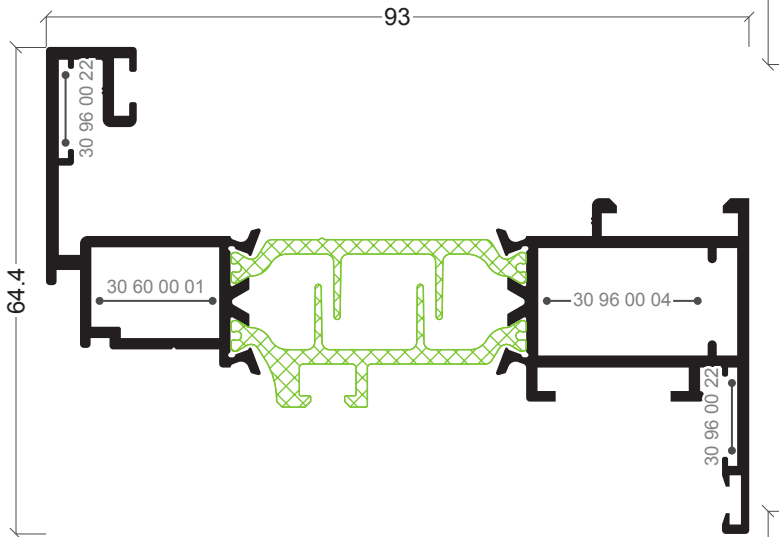
API-73
Inversor de sentido de abertura



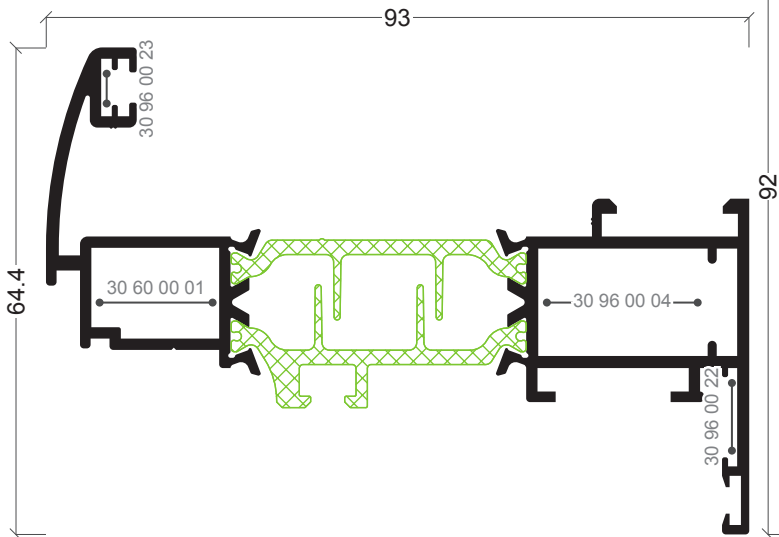
APi-05
Aro móvel



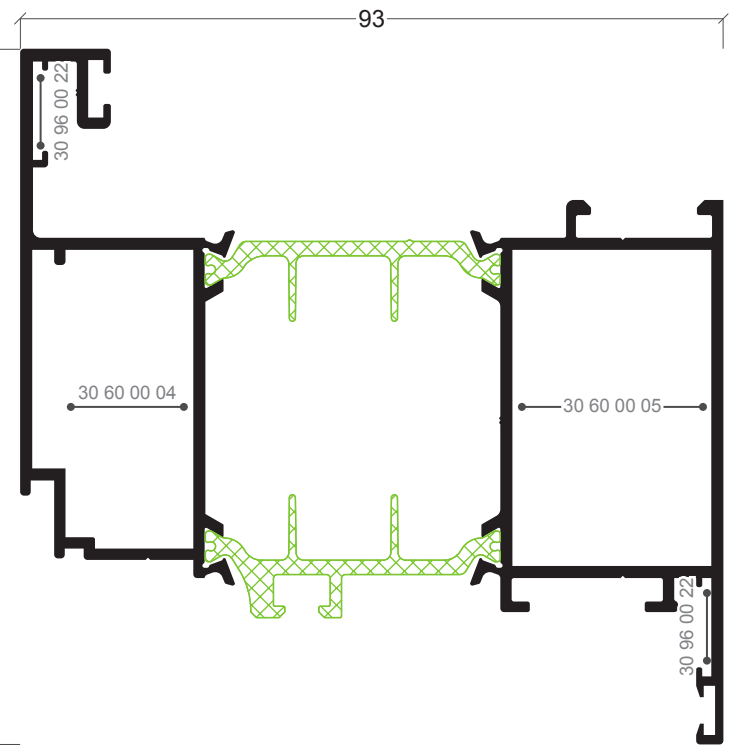
APi-10
Aro móvel



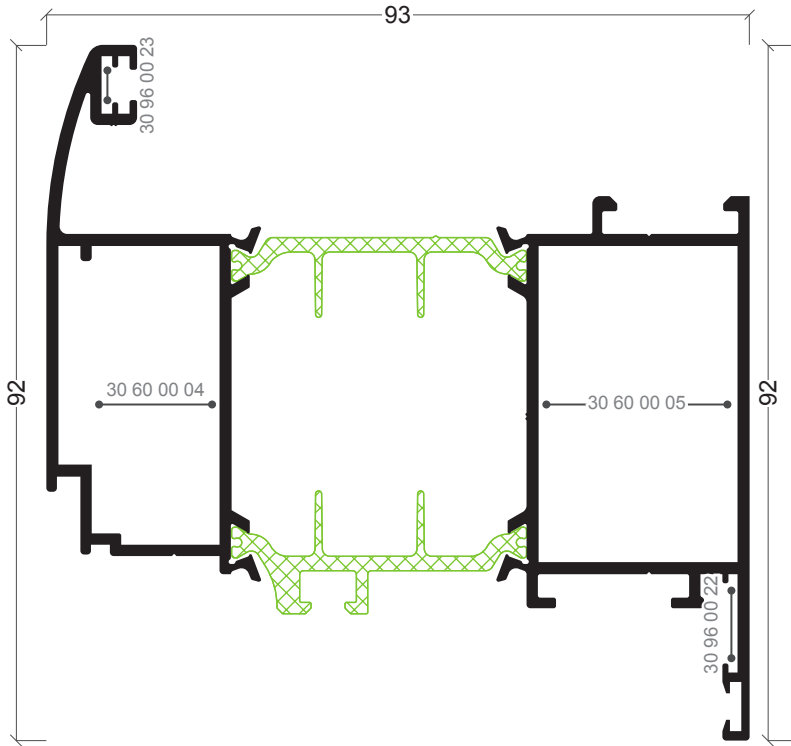
APi-61
Aro móvel



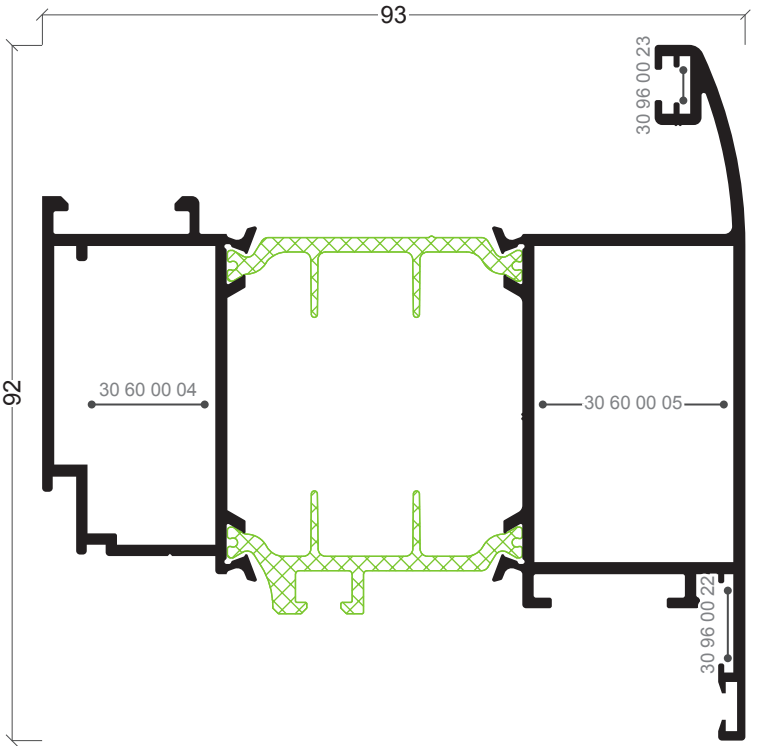
APi-83
Aro móvel



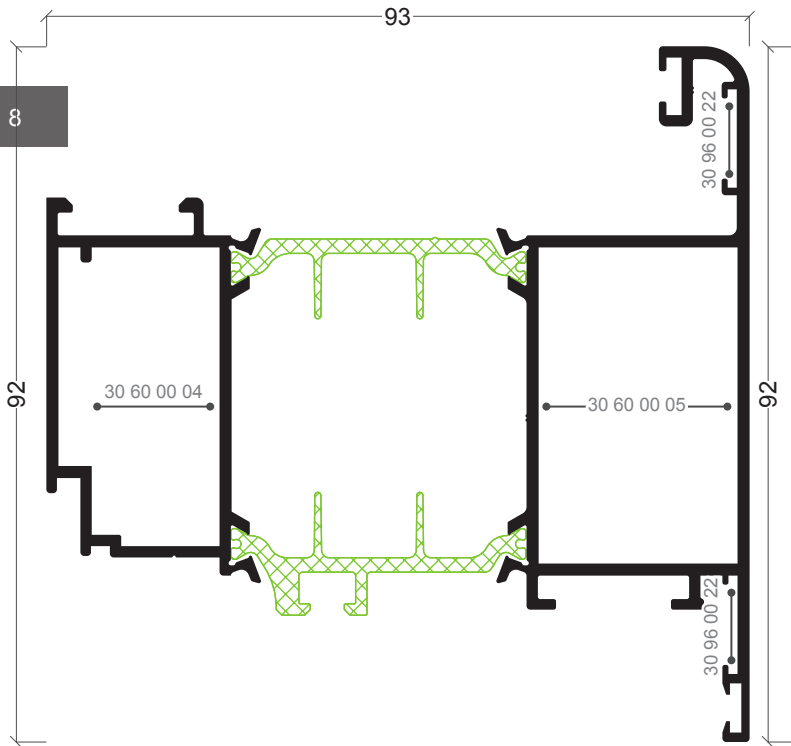
APi-36
Aro móvel



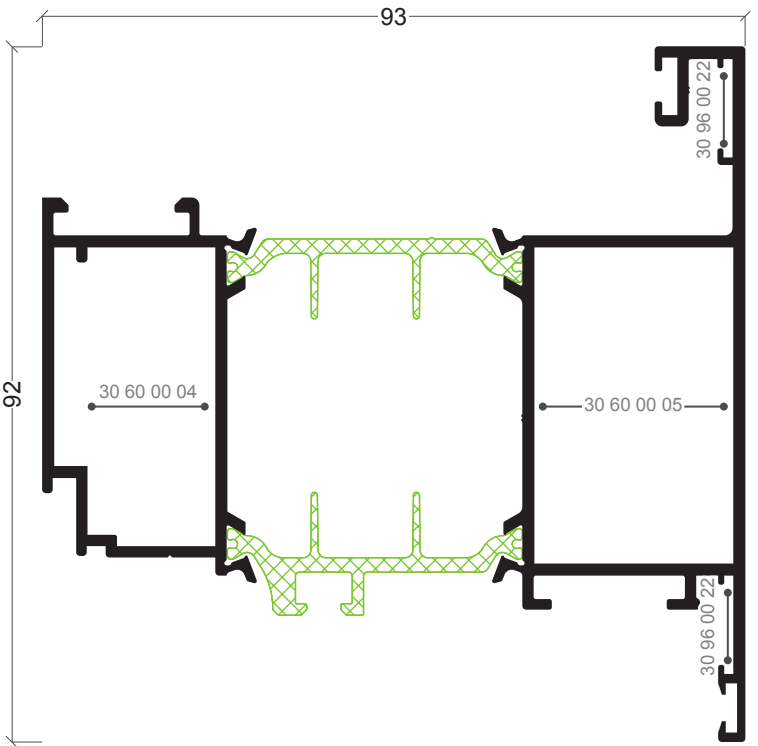
APi-84
Aro móvel



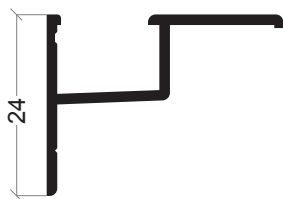
APi-85
Aro móvel



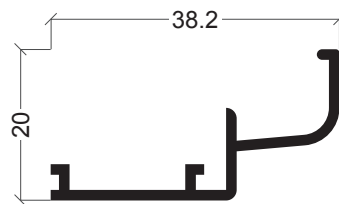
APi-90
Aro móvel



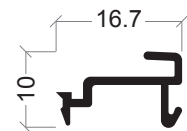
API-72
Aro móvel



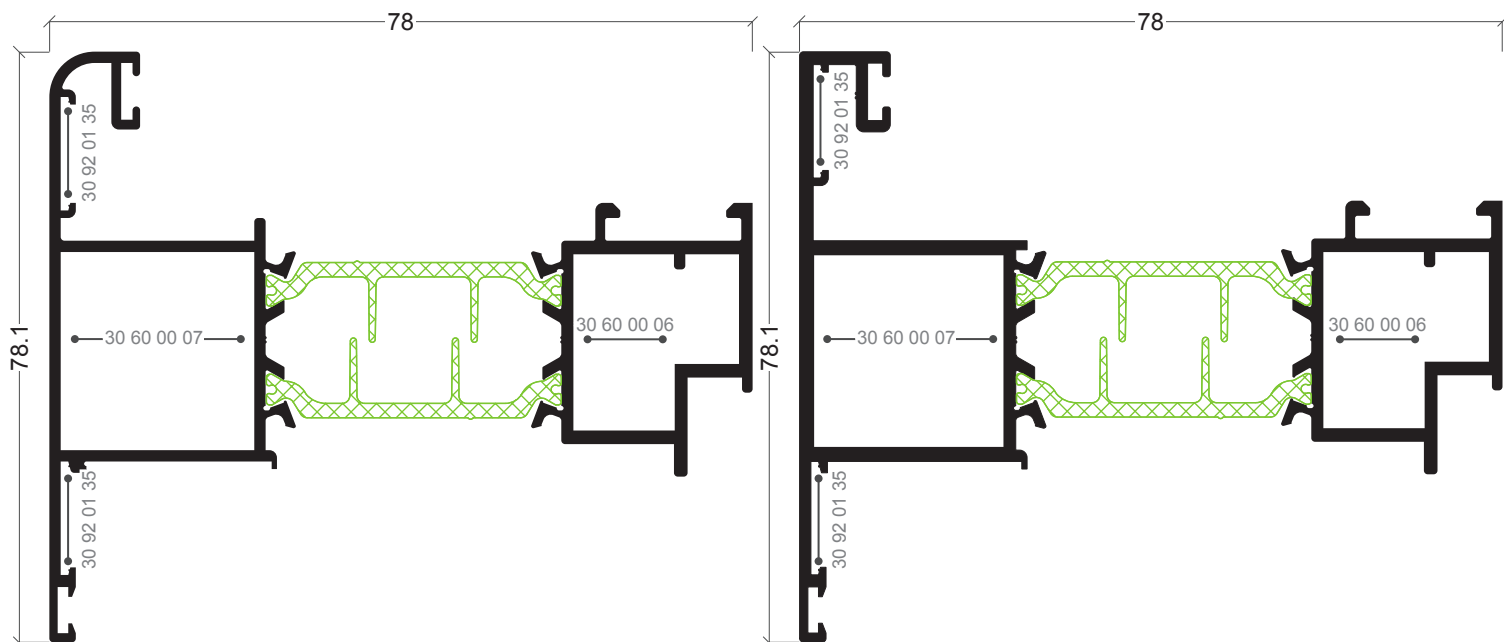
Y-20
Recolha de águas condensação



ARi-32
Complemento condensação

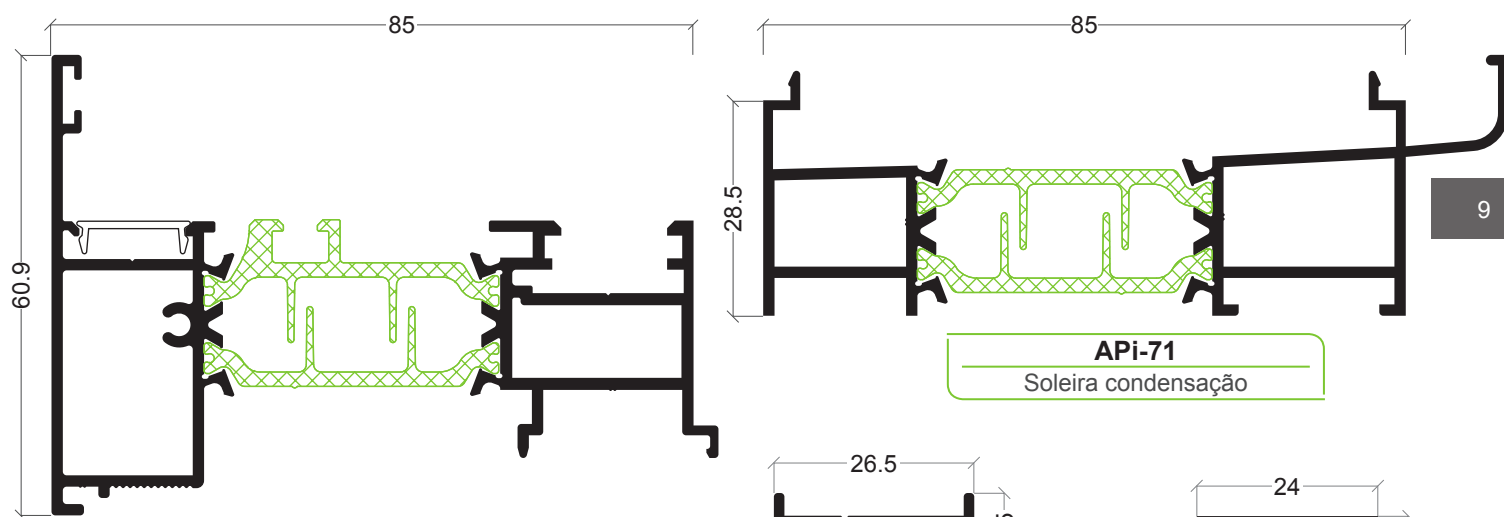


AX-33
Mola Bite



APi-07
Aro móvel projectante

APi-95
Aro móvel projectante

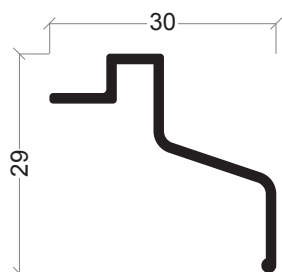


APi-04
Inversor

APi-71
Soleira condensação

AXi-32
Complemento projectante

AXi-31
Guia projectante



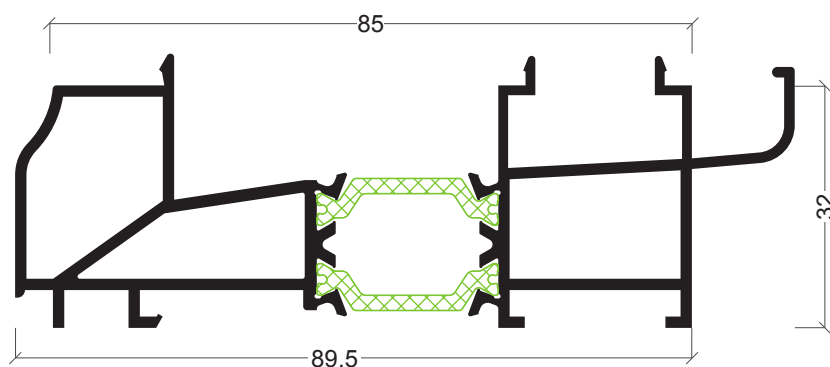
AXi-45
Pingadeira projectante



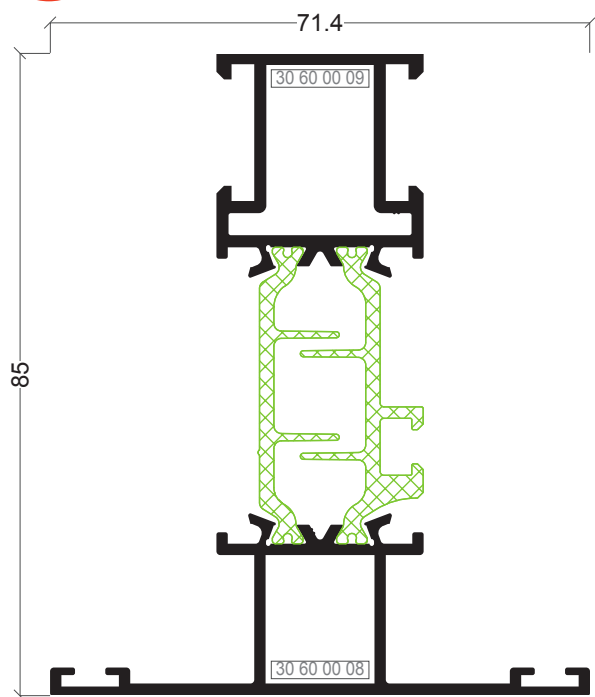
KL-04
Tampa



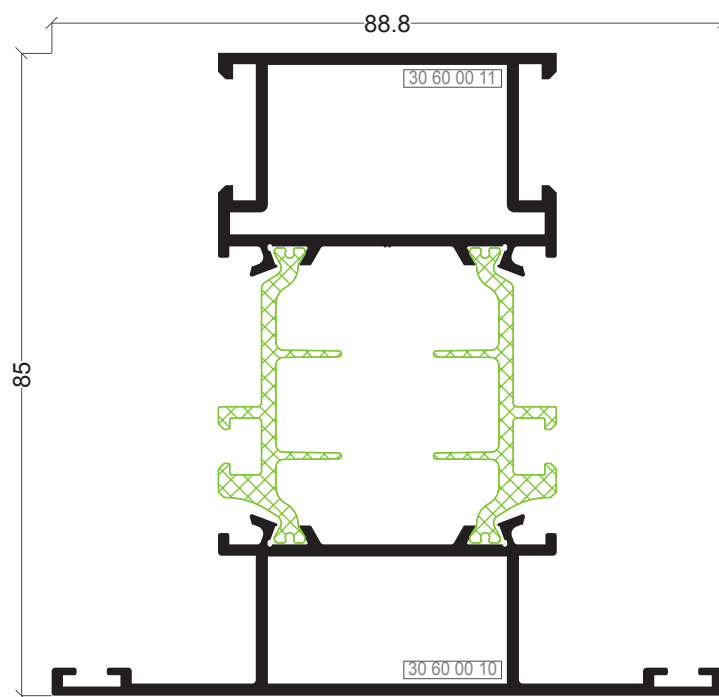
AX-19
Vareta



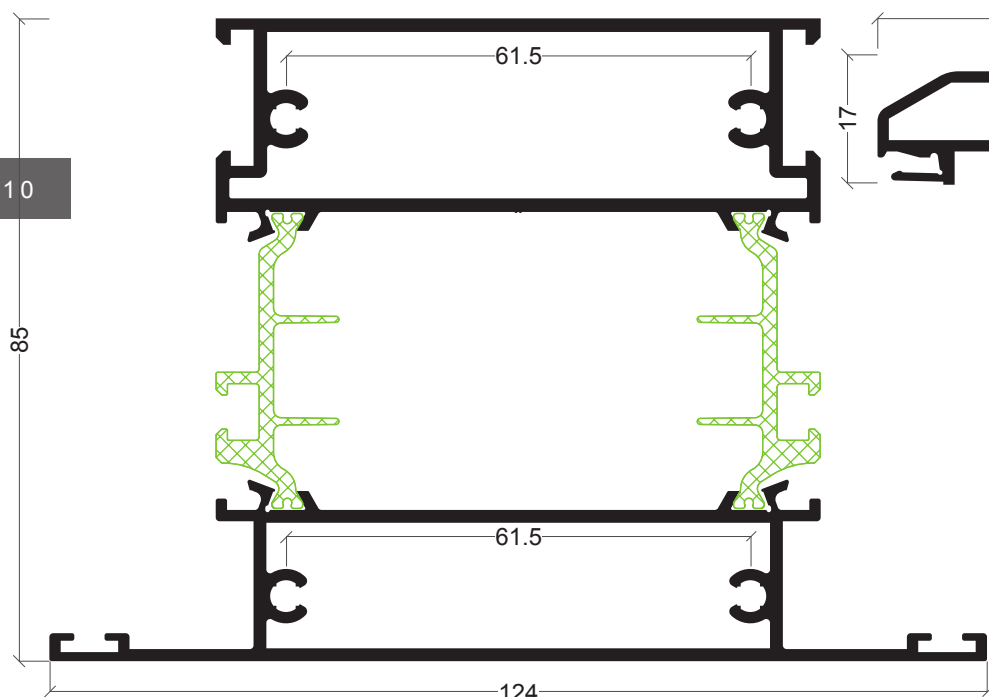
ARi-56
Soleira condensação


APi-01

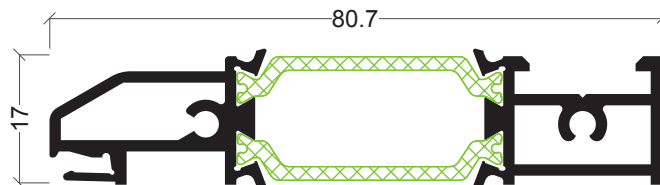
Travessa


APi-06

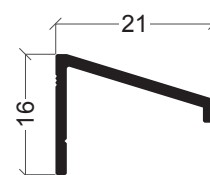
Travessa


APi-12

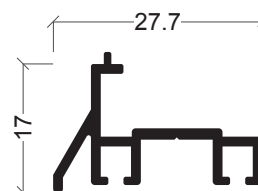
Travessa


APi-63

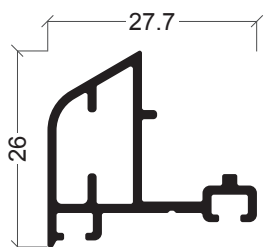
Remate inferior porta


A1-46

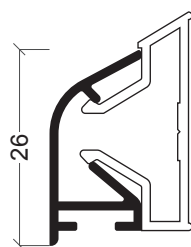
Pingadeira janela


AJi-62

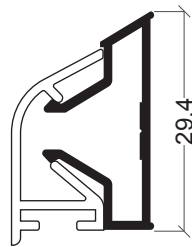
Pingadeira inferior porta sacada


AZ-79

Pingadeira inferior de porta


AZ-60

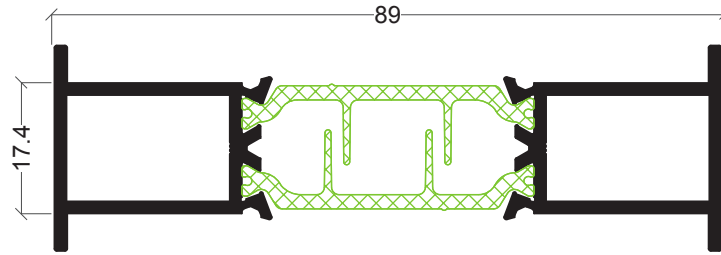
Pingadeira


AZ-61

Clip pingadeira

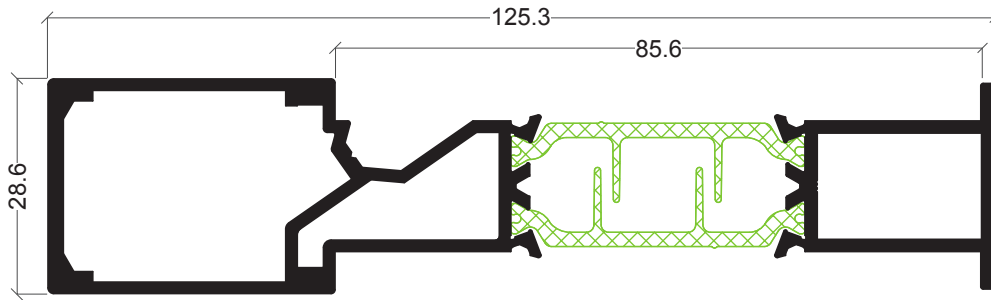

AJi-82

Bite remate



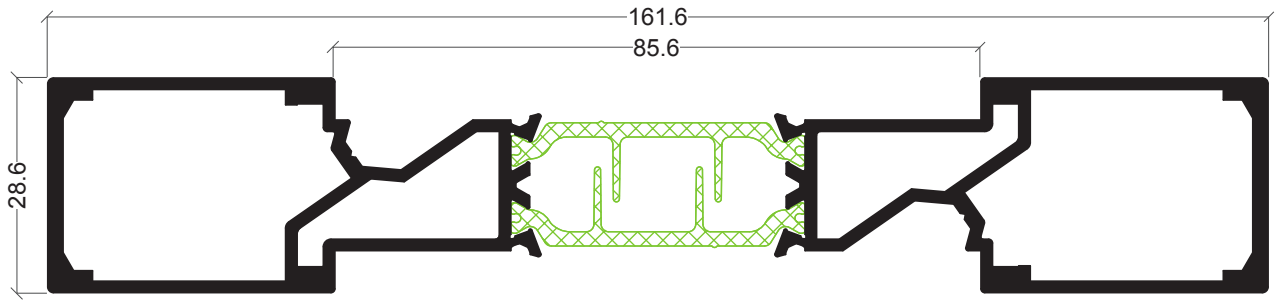
API-21

União de aros



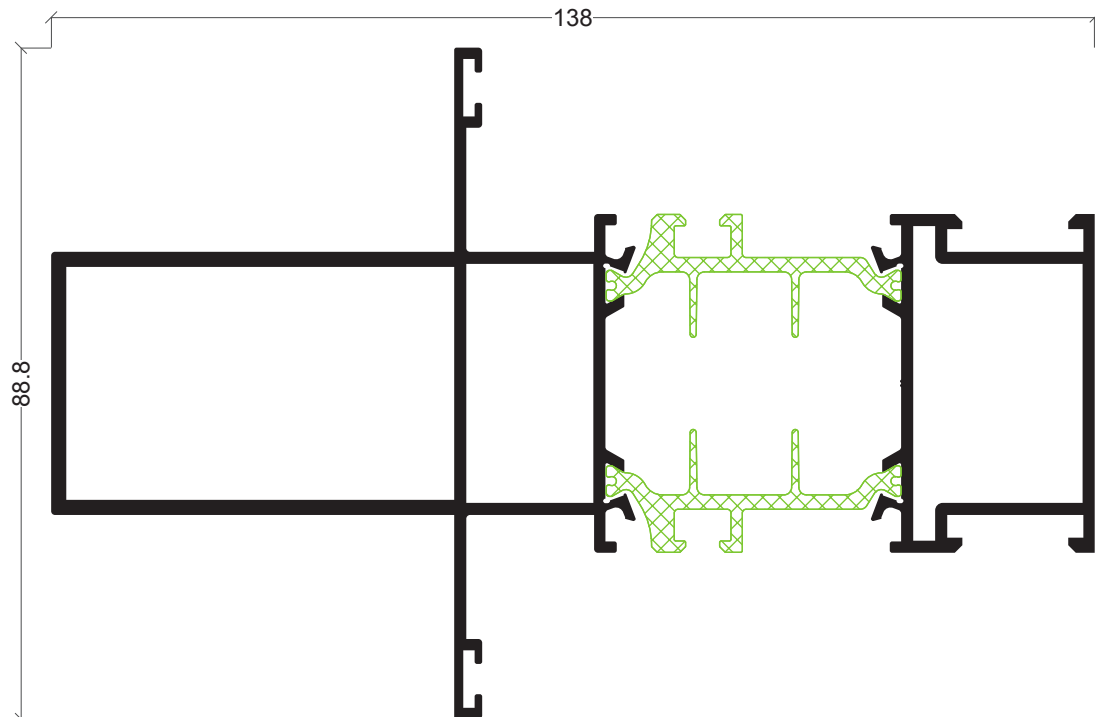
API-65

União de aros



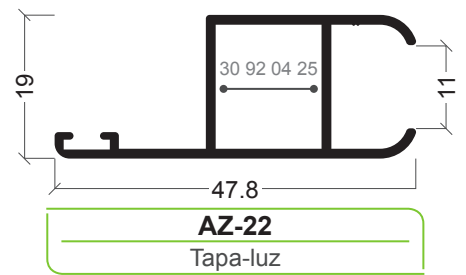
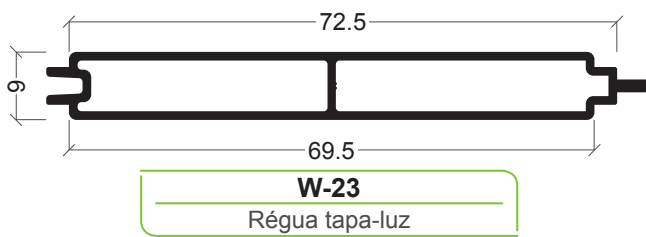
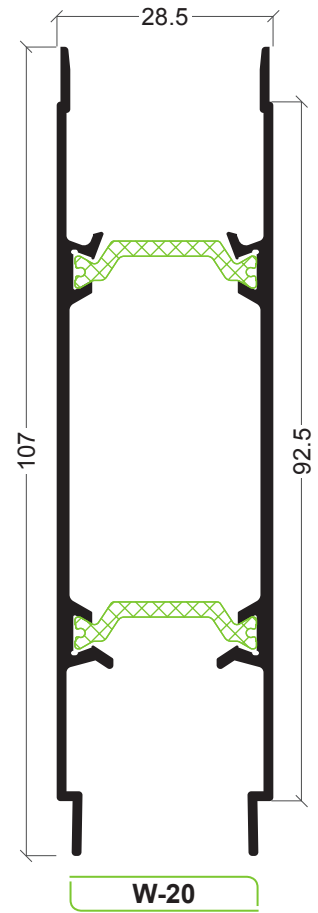
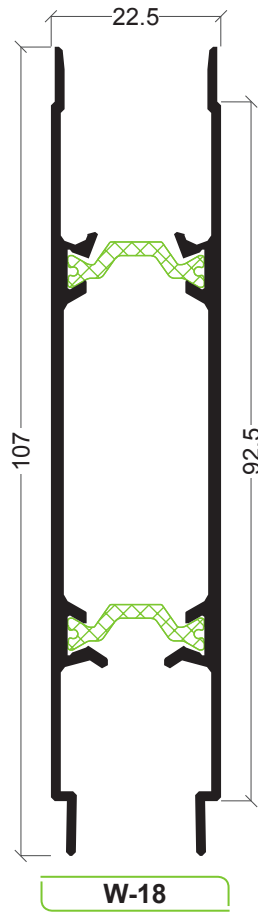
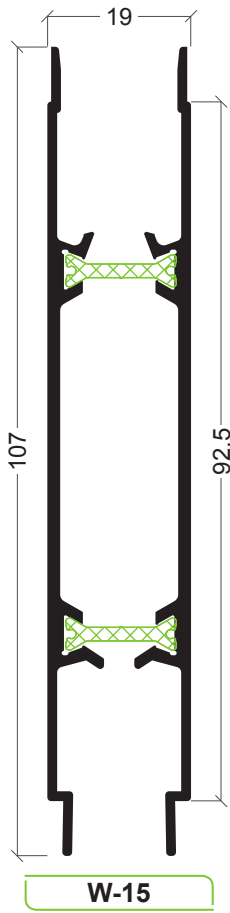
API-67

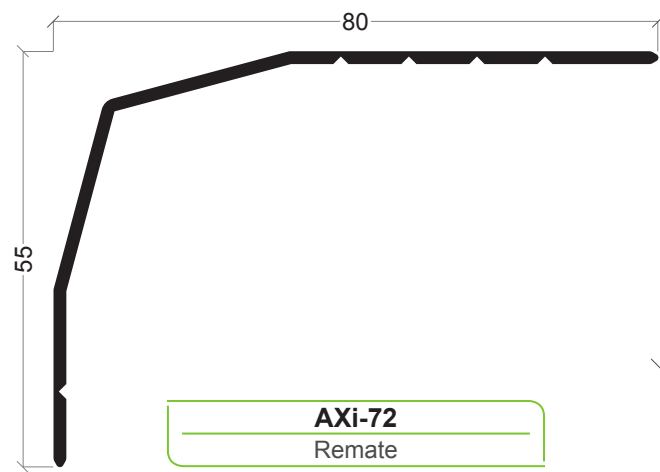
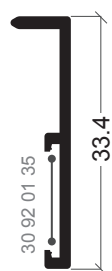
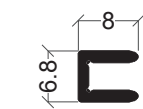
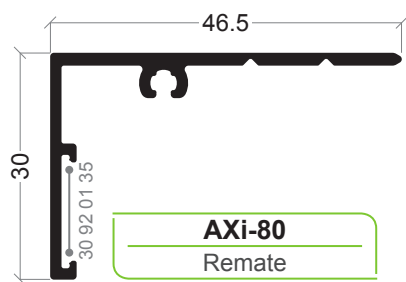
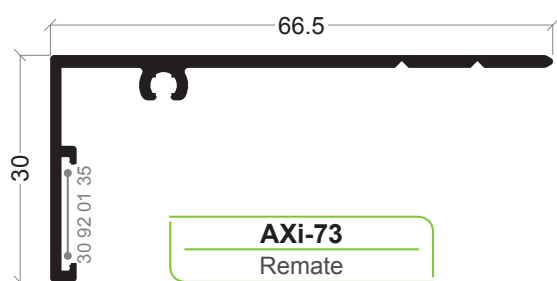
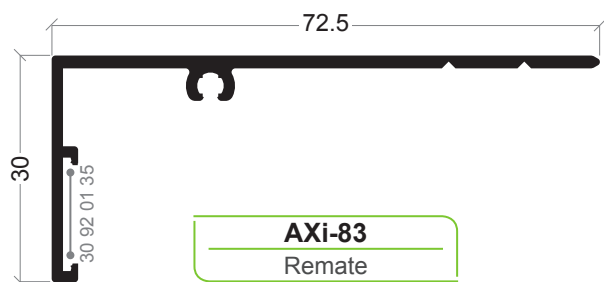
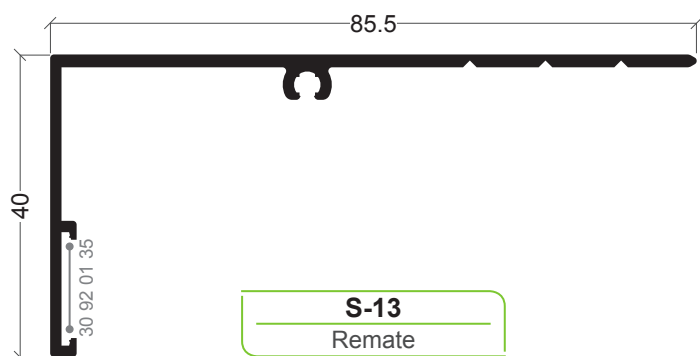
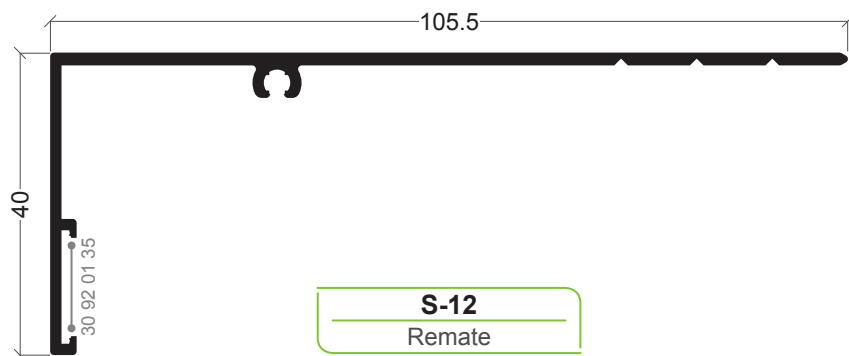
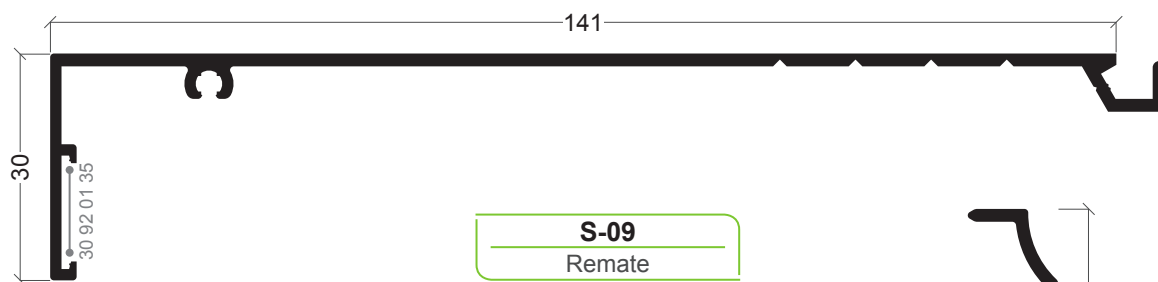
União de aros

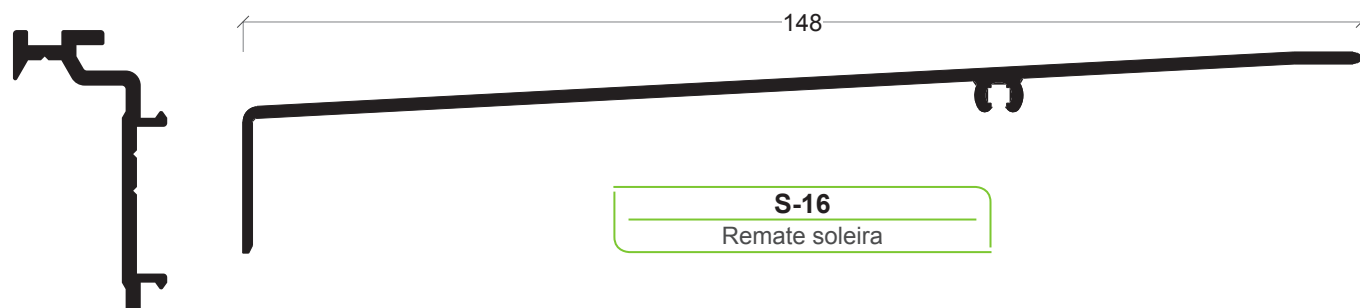
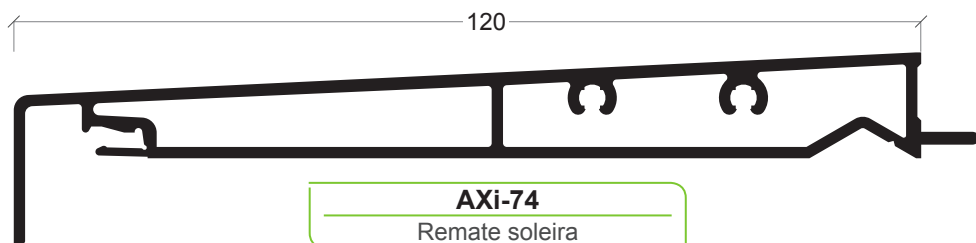
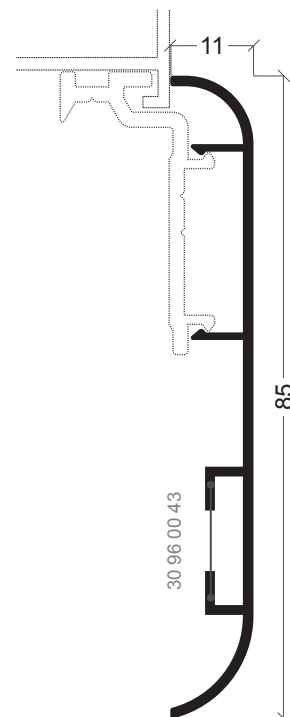
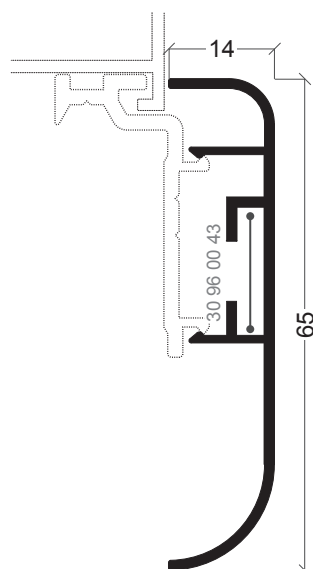
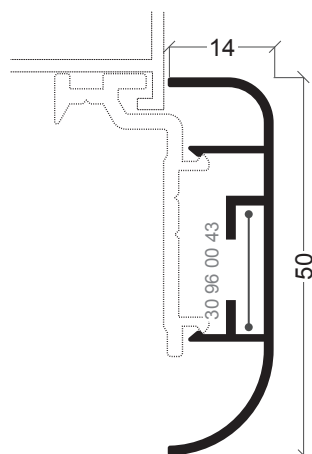
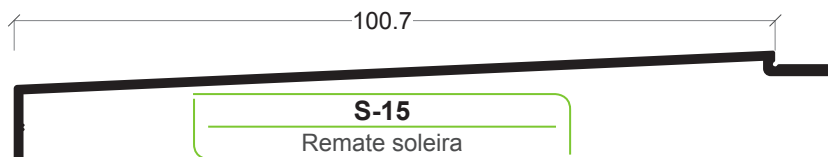
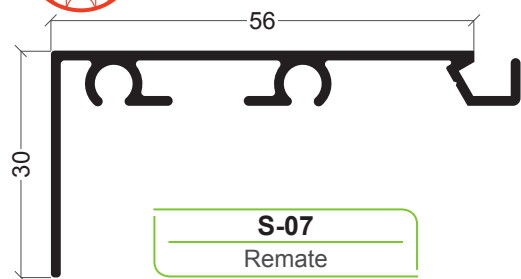


API-79

Montante recto



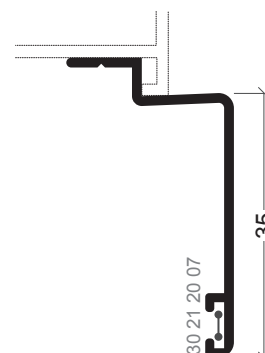
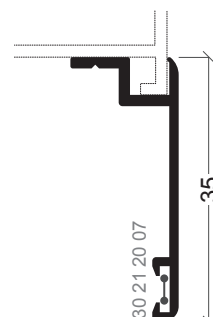
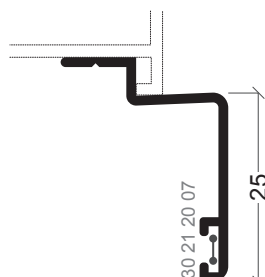
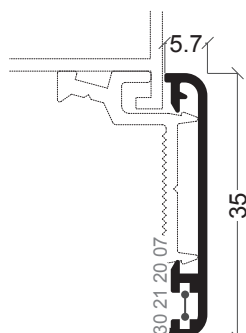


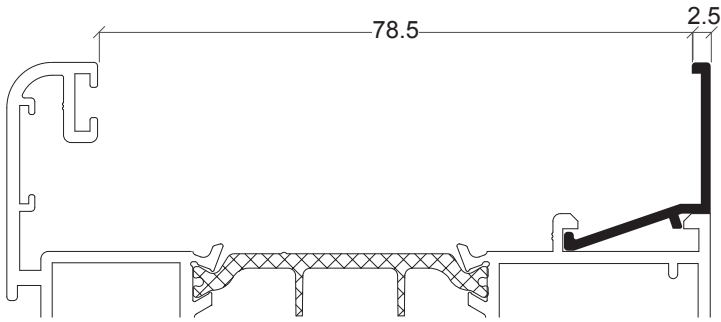


ARi-26
Mola tapa juntas

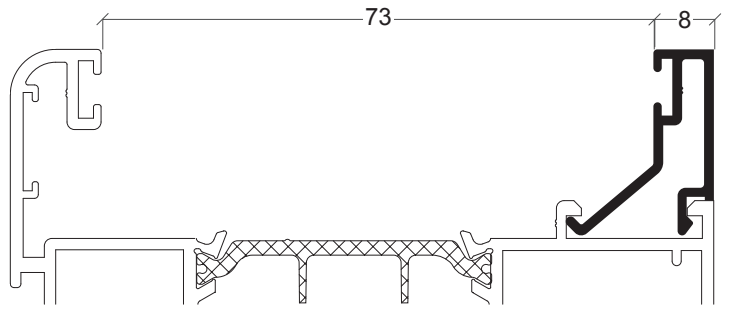


ARi-24
Mola tapa juntas

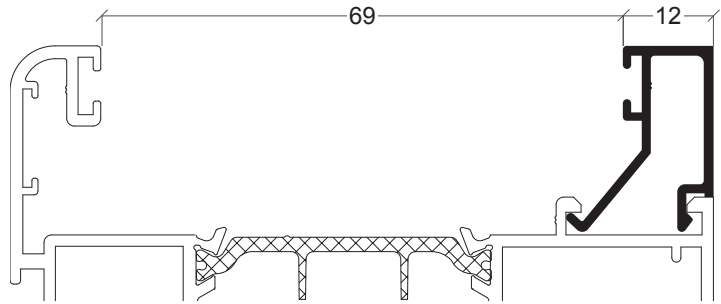




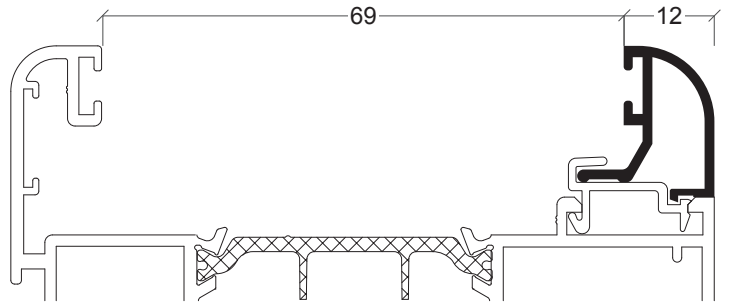
AX-69



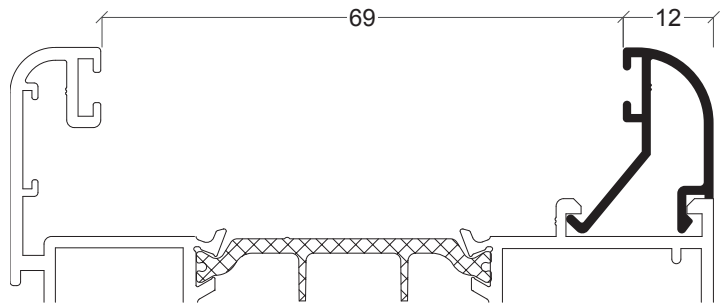
AX-74



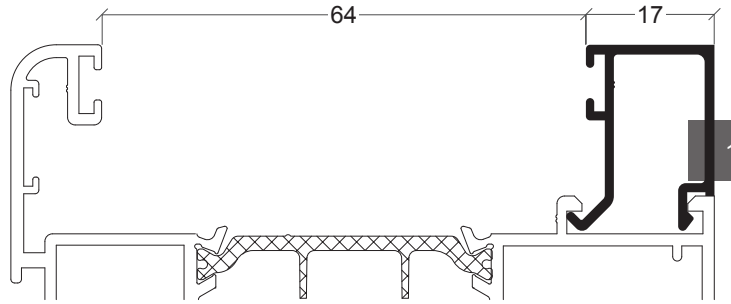
AX-36



AX-37

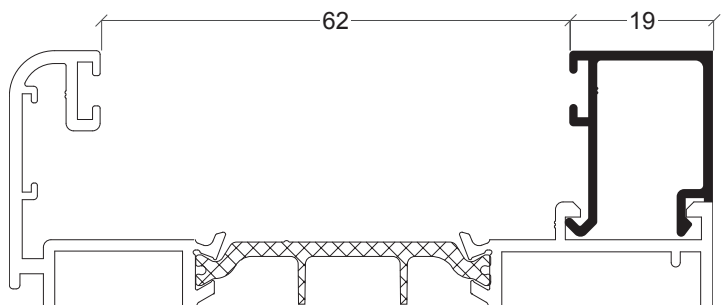


AZ-08

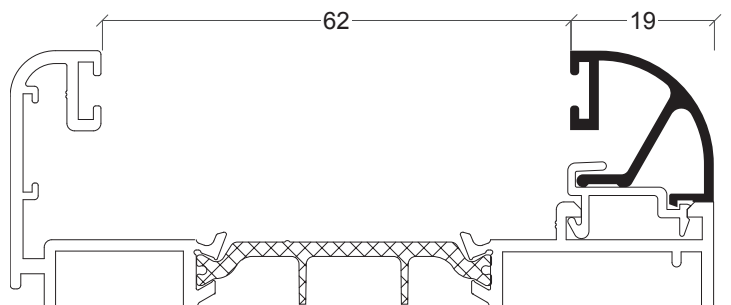


AX-46

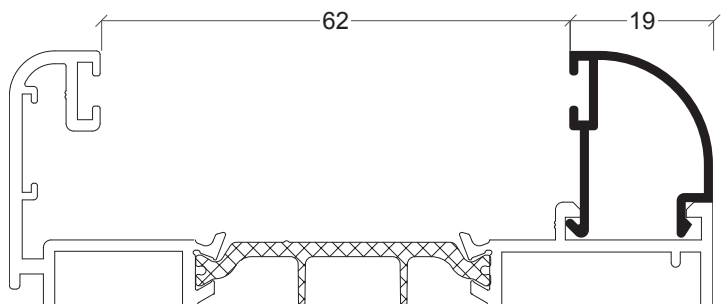
15



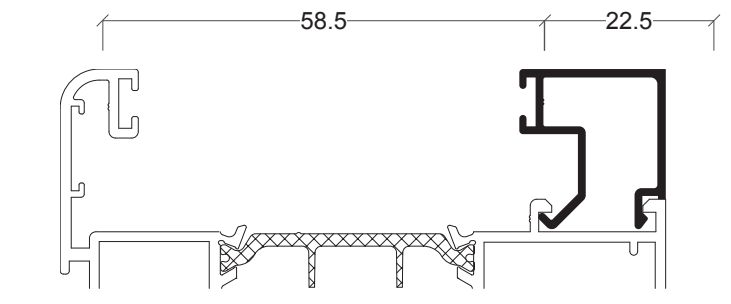
AX-35



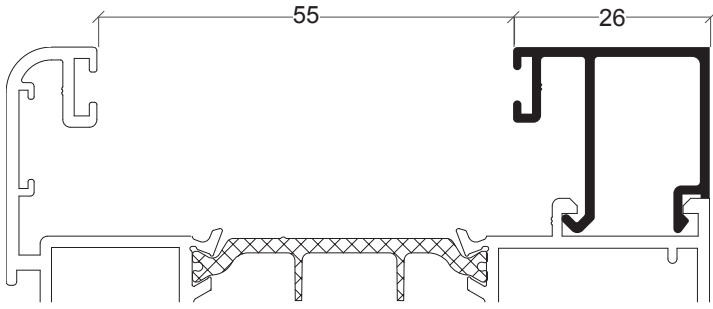
AX-30



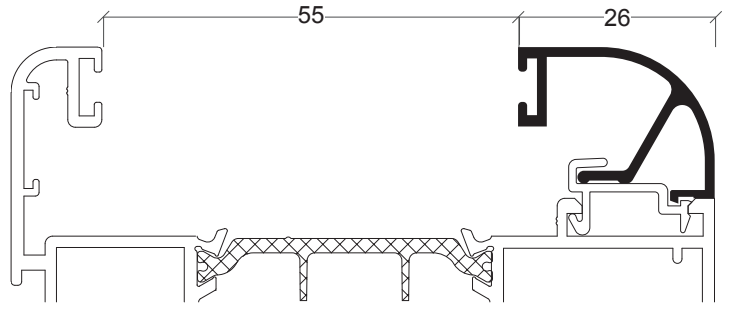
AZ-07



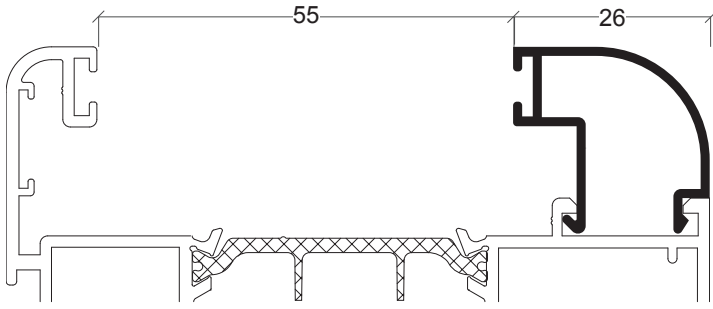
AX-78



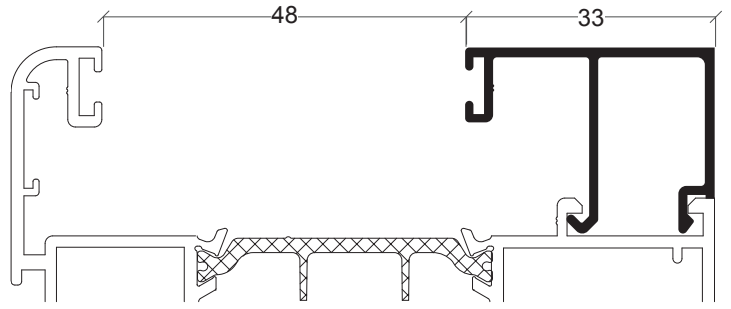
AX-31



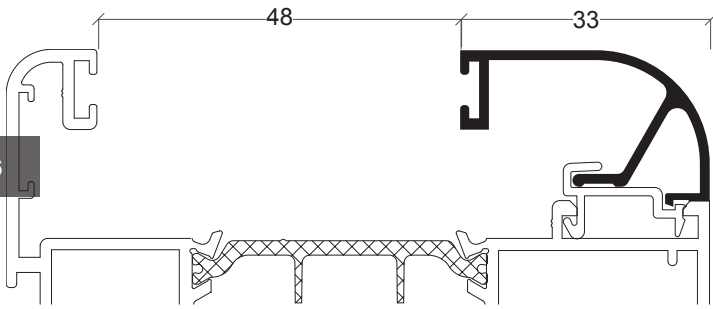
AX-29



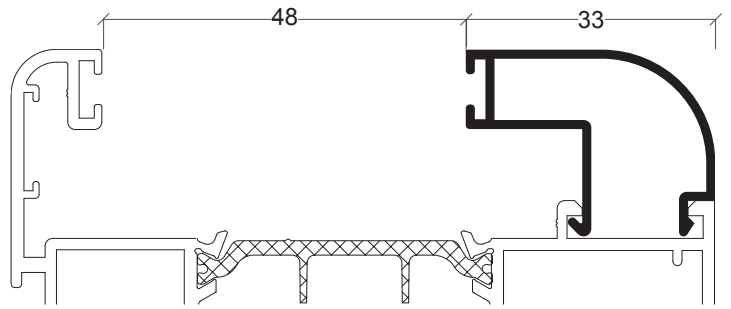
AZ-06



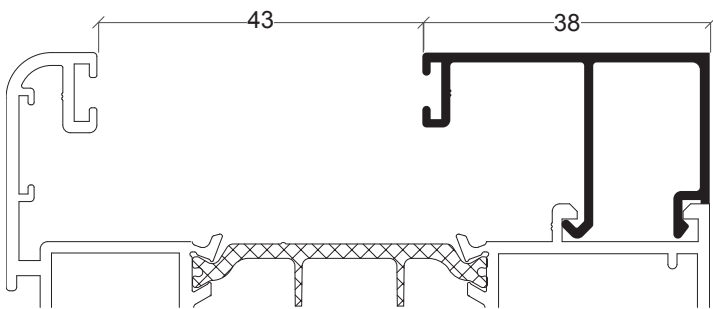
AX-34



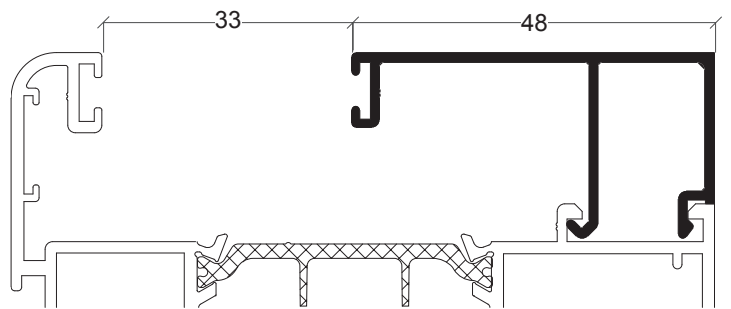
AX-39



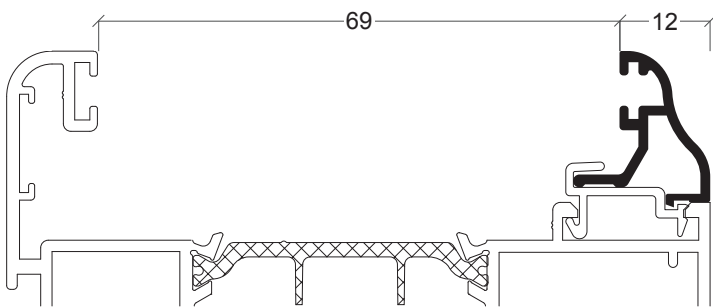
AZ-28



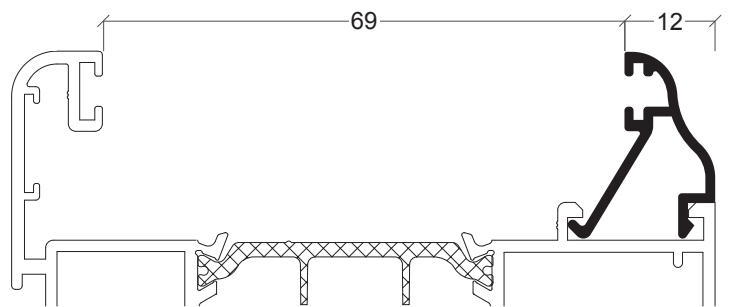
AX-32



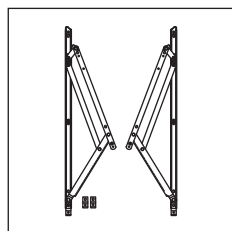
AX-80



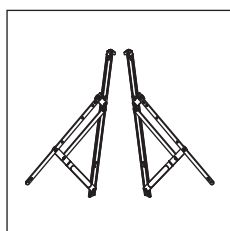
AX-72



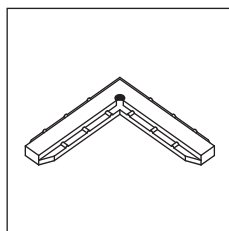
AX-73


30 00 95 21

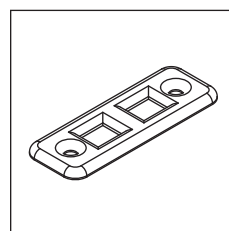
Jogo compasso (180 kg)


30 00 95 71

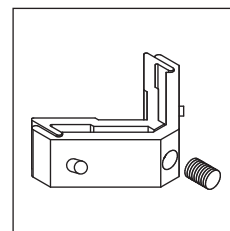
Jogo compasso (60 kg)


30 21 20 07

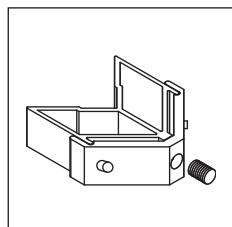
Esquadro de alinhamento


30 24 30 75

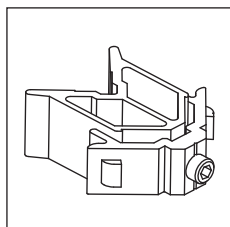
Contra-fecho inox


30 60 00 01

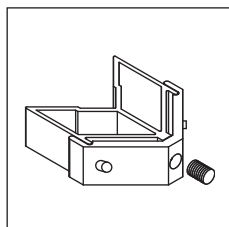
Esquadro exterior janela


30 60 00 02

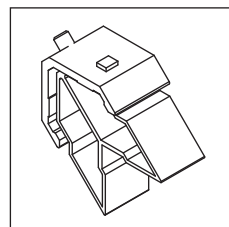
Esquadro exterior porta


30 60 00 03

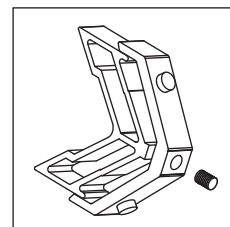
Esquadro interior porta com clip


30 60 00 04

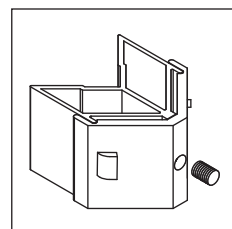
Esquadro exterior porta


30 60 00 05

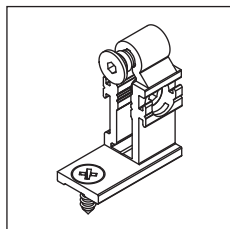
Esquadro interior porta


30 60 00 06

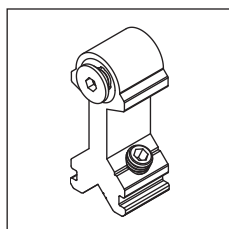
Esquadro interior projectante


30 60 00 07

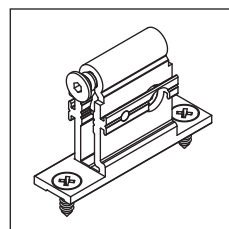
Esquadro exterior projectante


30 60 00 08

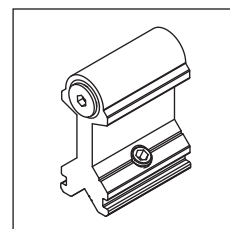
União travessa exterior pequena fixo


30 60 00 09

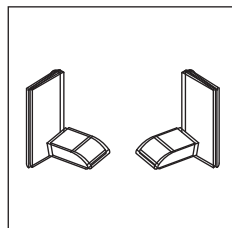
União travessa interior pequena


30 60 00 10

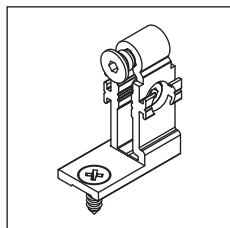
União travessa exterior grande fixo/móvel


30 60 00 11

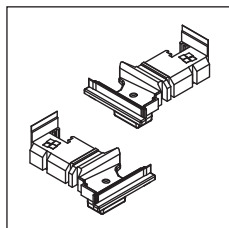
União travessa interior grande


30 60 00 13

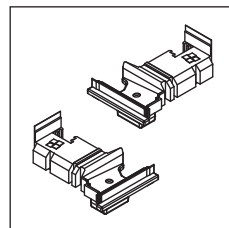
Conjunto topos AJi-62


30 60 00 16

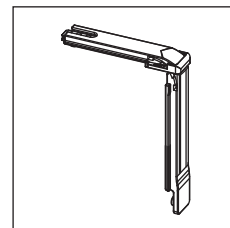
União travessa exterior pequena móvel


30 70 00 12

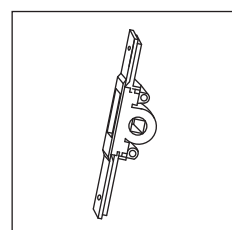
Conjunto topos inversor APi


30 70 00 15

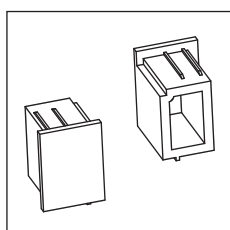
Conjunto topos APi-63


30 90 20 42

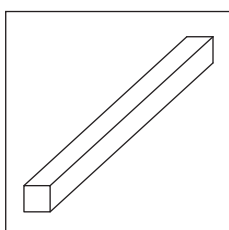
Ângulo de reenvio


30 90 20 44

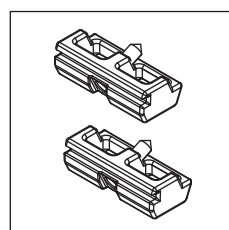
Transmissão para abertura exterior


30 91 21 20

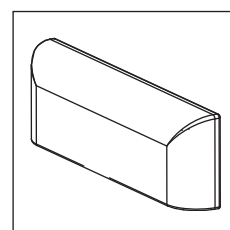
Jogo topos condensação Y-20


30 91 41 23

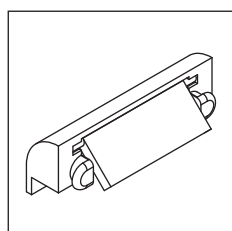
Perno 7 x 131 mm


30 92 00 50

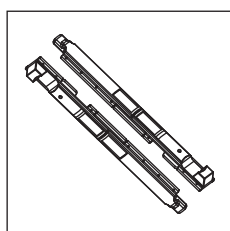
Complemento fecho


30 92 01 00/01

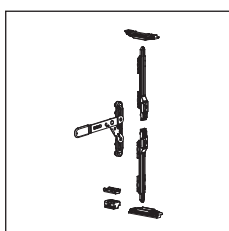
Goteira preto/branco


30 92 01 02/03

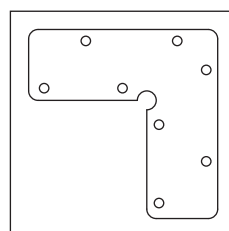
Goteira com válvula preto /branco


30 92 01 20

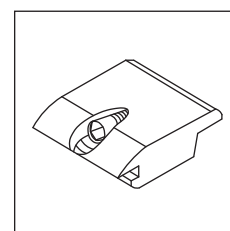
Jogo fecho C.E.


30 92 01 23

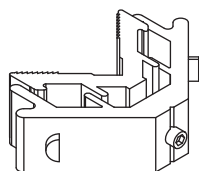
Jogo de passadores bidireccional C.E.


30 92 01 35

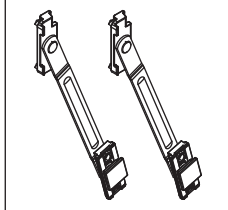
Esquadro de alinhamento


30 92 02 60

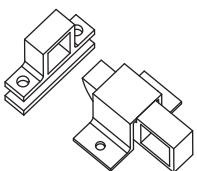
Apoio da folha


30 92 04 25

Esquadro interior janela fixo com clip


30 92 04 75

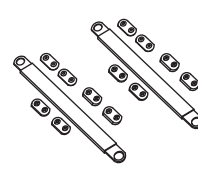
Jogo compassos basculante


30 92 04 76/77

Fecho clack branco/preto


30 92 04 80

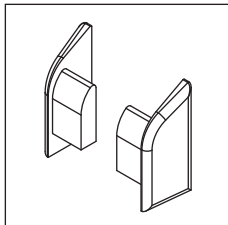
Compasso projectante deslizante até 50 kg / folha


30 92 04 85

Jogo compassos


30 92 04 90

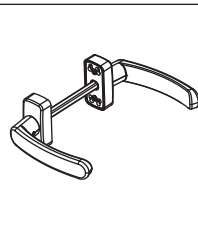
Compasso projectante deslizante até 70 kg / folha


30 92 05 00

Jogo topos


30 92 05 10

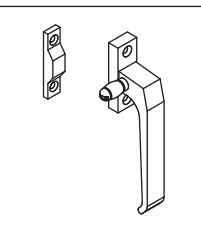
Fechadura 3 pontos (35 mm)


30 92 05 15

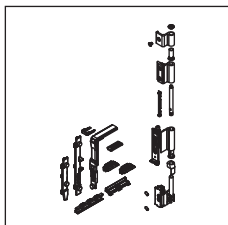
Fecho de alavanca com 5 pontos de fecho


30 92 06 00

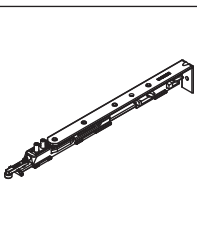
Compasso projectante deslizante até 20 kg / folha


30 92 06 10/11

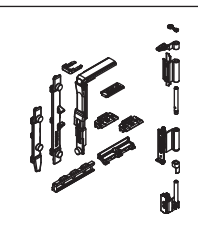
Cremone de lingueta branco/preto


30 92 12 56/57

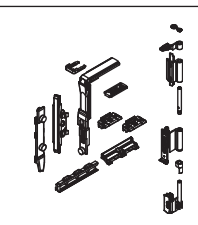
Kit OB Eco 80 kg sem cremone branco/preto


30 92 12 58

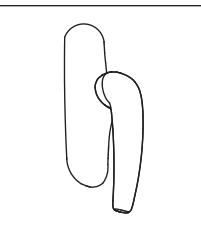
Compasso OB Eco 457-1300


30 92 12 60/61

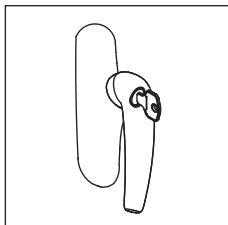
Kit OB sem cremone branco/preto


30 92 12 62/63

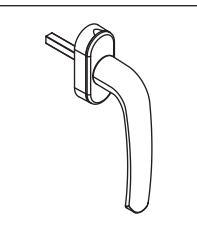
Kit OB sem puxador com transmissão branco/preto


30 92 12 64/65

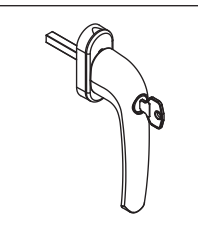
Cremone OB branco/preto


30 92 12 66/67

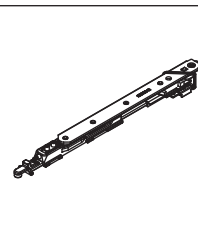
Cremone OB com chave branco/preto


30 92 12 68/69

Puxador branco/preto


30 92 12 70/71

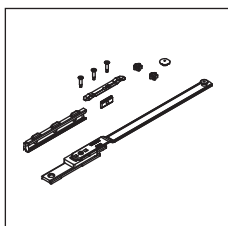
Puxador com chave branco/preto


30 92 12 72

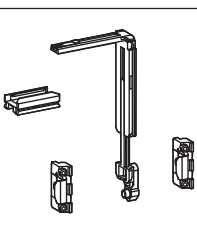
Compasso OB pequeno 457-550


30 92 12 73

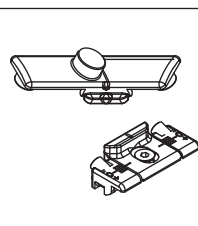
Compasso OB grande 551-1800


30 92 12 74

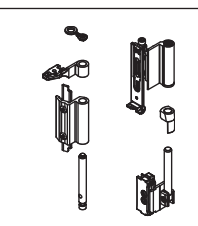
Compasso OB suplementar 1000-1800


30 92 12 75

Kit fecho 3º ponto OB


30 92 12 76

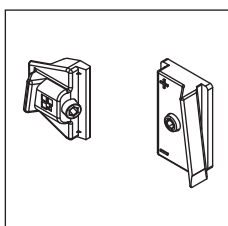
Ponto de fecho suplementar


30 92 12 77/78

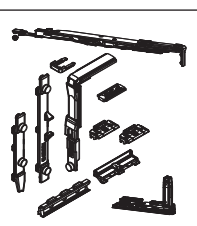
Kit dobradiça 2ª folha OB branco/preto


30 92 12 79

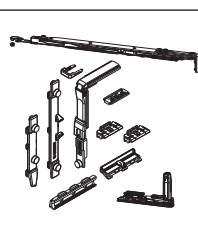
Conjunto de fechos 2ª folha OB


30 92 12 80

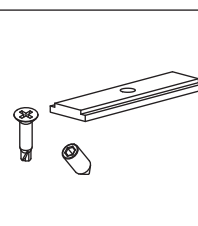
Conjunto de ponto de fecho suplementar passivo


30 92 12 81/82

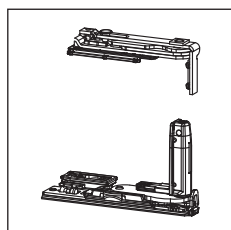
Kit OB oculto s/ cremone c/ compasso pequeno dir/esq

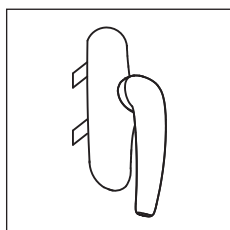

30 92 12 83/84

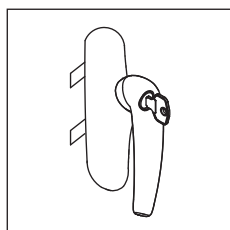
Kit OB oculto s/ cremone c/ compasso grande dir/esq

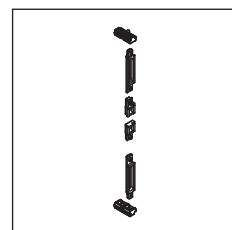

30 92 12 85

Suplemento OB oculto 131-170 kg

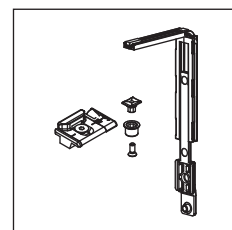

30 92 12 86/87

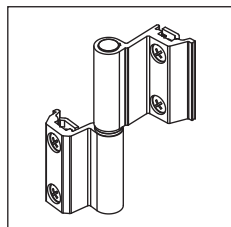
 Kit dobradiça oculto 2ª
folha dir/esq

30 92 12 88/89

 Cremone batente branco/
preto

30 92 12 90/91

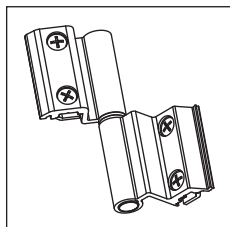
 Cremone batente com
chave branco/preto

30 92 12 92

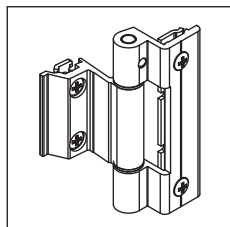
Kit batente sem cremone

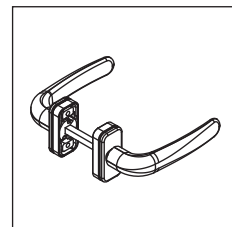

30 92 12 93

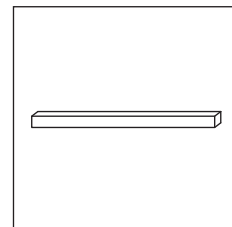
 Kit fecho 3º ponto vertical
OB oculto

30 92 12 94/95

Dobradiça branco/preto

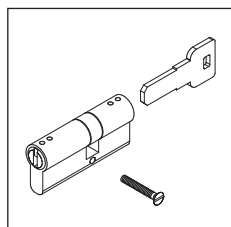

30 92 12 96/97

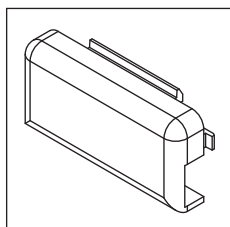
 Dobradiça 3ª folha
branco/preto

30 92 12 98/99

 Dobradiça 3 nós branco/
preto

30 92 13 00/01

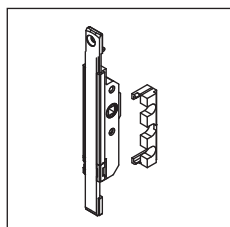
 Puxador duplo branco/
preto

30 92 13 02

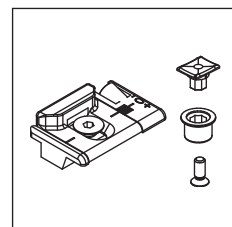
Perno 8 x 150 mm


30 92 13 03

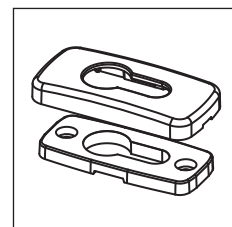
 Canhão segurança 30 x
80 Níquel

30 92 13 04

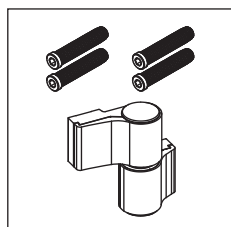
Goteira preta

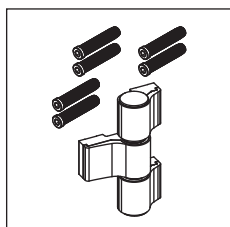

30 92 13 05

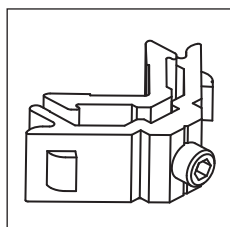
 Transmissão bi-
direccional

30 92 13 06

Ponto de fecho regulável

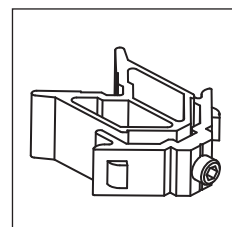

30 92 22 85/86

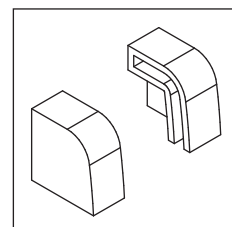
 Escudo para canhão
branco/preto

30 92 22 88/89

 Dobradiça 2 abas porta c/ ressalto
fixação directa branco/preto

30 92 22 90/91

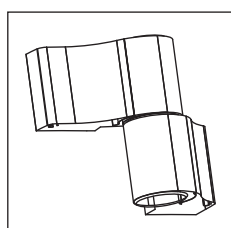
 Dobradiça 3 abas porta c/ ressalto
fixação directa branco/preto

30 96 00 04

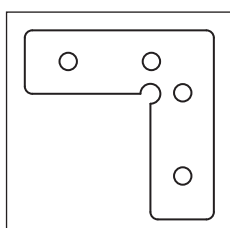
Esquadro interior janela


30 96 00 05

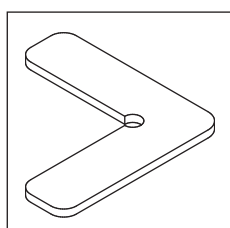
 Esquadro interior aro fixo
porta

30 96 00 12

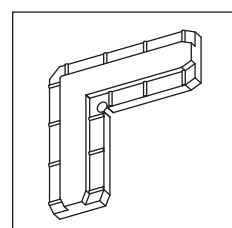
Jogo topos condensação


30 96 00 17/21

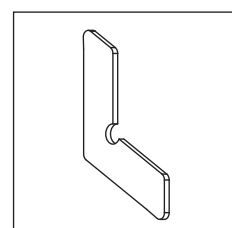
 Dobradiça com ressalto
branco/preto

30 96 00 22

Esquadro alinhamento

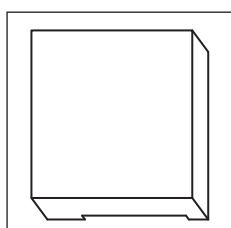

30 96 00 23

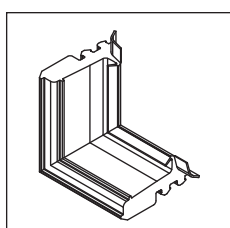
 Esquadro alinhamento
aro fixo

30 96 00 43

Esquadro alinhamento

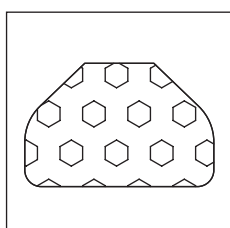

30 96 00 63

Esquadro alinhamento

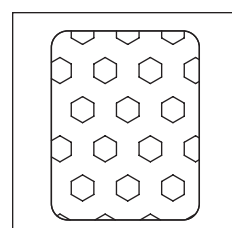

30 96 10 01

 Calço para vidro aro
móvel

30 96 10 07

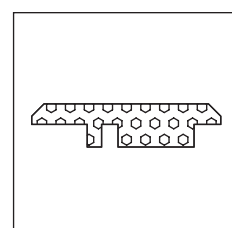
Canto vulcanizado


30 99 00 01

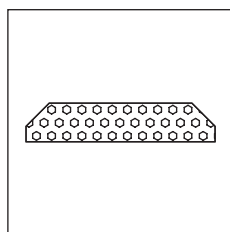
ThermoProfile ISO-01


30 99 00 02

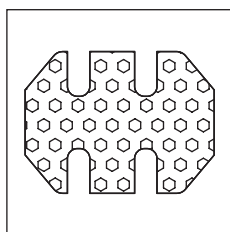
ThermoProfile ISO-02


30 99 00 06

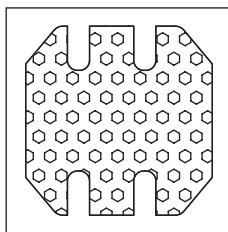
ThermoProfile ISO-06


30 99 00 07

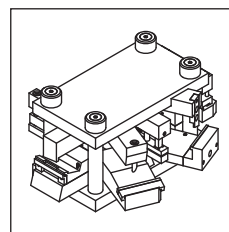
ThermoProfile ISO-07


30 99 00 10

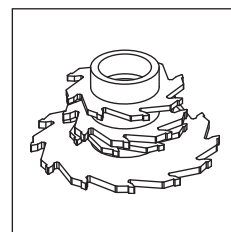
ThermoProfile ISO-10


30 99 00 13

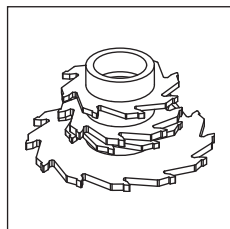
ThermoProfile ISO-13


33 98 22 99

Cunho APi


33 98 31 99

Conjunto de frezas fixo

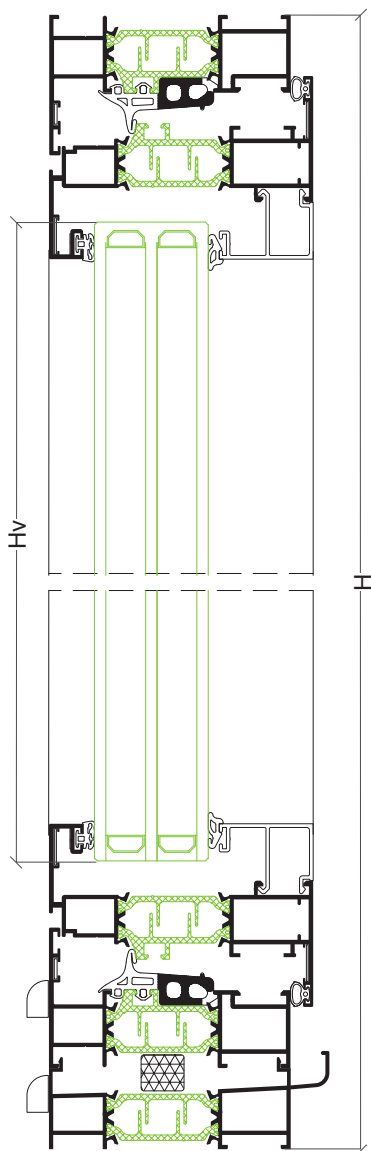
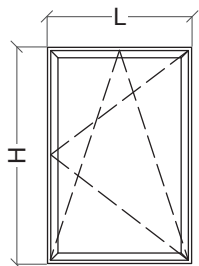

33 98 32 99

Conjunto de frezas móvel

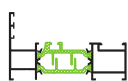
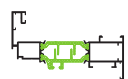
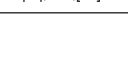
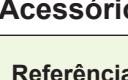
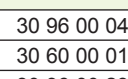
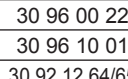
Referência	Desenho	Descrição
30 00 95 15		Junta de vedação curta AZ-79
30 60 00 14		Perfil pelúcia metálica 18 mm preto
30 60 00 17		Junta exterior vidro plana 2 mm preto
30 60 00 18		Junta Isolante
30 92 04 70		Espuma isolante
30 93 00 60		Junta exterior do vidro (4 mm) preto
30 93 00 61		Junta de vedação exterior (2 mm) preto
30 93 00 62		Junta exterior plana para vidro (4 mm) preto
30 93 00 65		Junta interior para vidro (5 mm) preto
30 93 00 66		Junta interior para vidro (4 mm) preto
30 93 00 67		Junta interior para vidro (2 mm) preto
30 93 00 68		Junta interior para vidro (6/7 mm) preto
30 93 00 69		Junta interior para vidro (8/9 mm) preto
30 93 00 82		Junta vedação inferior AZ-79
30 93 01 20		Junta interior
30 94 01 46		Junta para veda-luz AZ-22
30 95 00 10		Pelúcia 7x9 mm
30 96 00 18		Junta interior (abertura projectante/deslizante)
30 96 10 06		Junta central termo isolante

Referência	ThermoProfile (Baguetes de 70 cm)	Aplicação
30 99 00 01		APi-01; APi-03; APi-04; APi-05; APi-07; APi-21; APi-33; APi-35; APi-61; APi-65; APi-67; APi-71; APi-73; APi-74; APi-75; APi-76; APi-80; APi-81; APi-83; APi-86; APi-87; APi-88; APi-89; APi-91; APi-95
30 99 00 02		APi-01; APi-03; APi-04; APi-05; APi-07; APi-21; APi-33; APi-35; APi-61; APi-65; APi-67; APi-71; APi-73; APi-74; APi-75; APi-76; APi-80; APi-81; APi-83; APi-86; APi-87; APi-88; APi-89; APi-91; APi-95
30 99 00 06		APi-01; APi-03; APi-06; APi-08; APi-12; APi-20; APi-33; APi-35; APi-68; APi-73; APi-74; APi-75; APi-76; APi-79; APi-80; APi-81; APi-86; APi-87; APi-88; APi-89; APi-91; APi-92; APi-93; APi-94
30 99 00 07		APi-05; APi-07; APi-10; APi-36; APi-61; APi-72; APi-83; APi-84; APi-85; APi-90; APi-95
30 99 00 10		APi-06; APi-08; APi-68; APi-79; APi-92; APi-93; APi-94
30 99 00 13		APi-10; APi-36; APi-72; APi-84; APi-85; APi-90

Janela 1 folha abrir e oscilo-batente



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	API-03	Aro fixo		2	L
	API-61	Aro móvel		2	H-28.5 mm
	API-61	Aro móvel		2	L-43 mm
	API-61	Aro móvel		2	H-71.5 mm
	---	Bite		2	L-132 mm
	---	Bite		2	H-200.5 mm
	AX-19	Vareta		várias	---
	API-71	Soleira		1	L

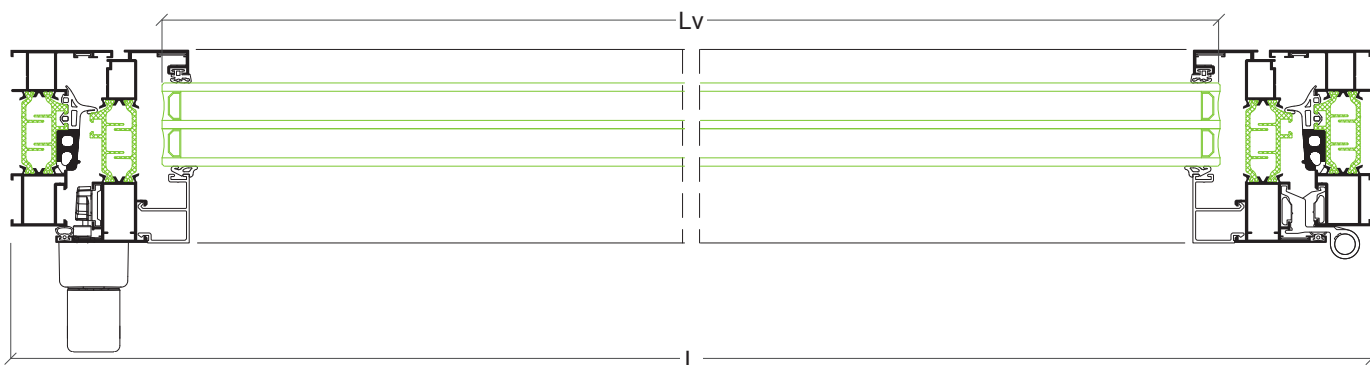
Acessórios e Juntas

Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 96 00 04	Esquadro interior	8	
30 60 00 01	Esquadro exterior	8	
30 96 00 23	Esquadro alinhamento fixo	4	
30 96 00 22	Esquadro alinhamento móvel	8	
30 96 10 01	Calço para vidro	4	6
30 92 12 64/65	Cremone OB	---	1
30 92 12 88/89	Cremone batente branco/preto	1	---
---	Ferragem oscilo-batente (ver páginas 27/28)	---	1
30 92 12 92	Kit batente	1	---
30 92 12 94/95	Dobradiça branco/preto	2 ou mais	---
30 92 13 06	Ponto de fecho regulável (H > 1100 mm)	1	---
30 92 02 60	Apoio da folha	1	---
30 92 01 02	Goteira com válvula preto	4 ou mais	
30 96 00 12	Jogo topos condensação	1	
30 92 04 70	Espuma isolante	L	
30 93 01 20	Junta interior	2L+2H	
30 96 10 06	Junta central termo isolante	2L+2H	
30 96 10 07	Canto vulcanizado	4	
---	Junta para vidro (exterior)	2L+2H	
---	Junta para vidro (interior)	2L+2H	

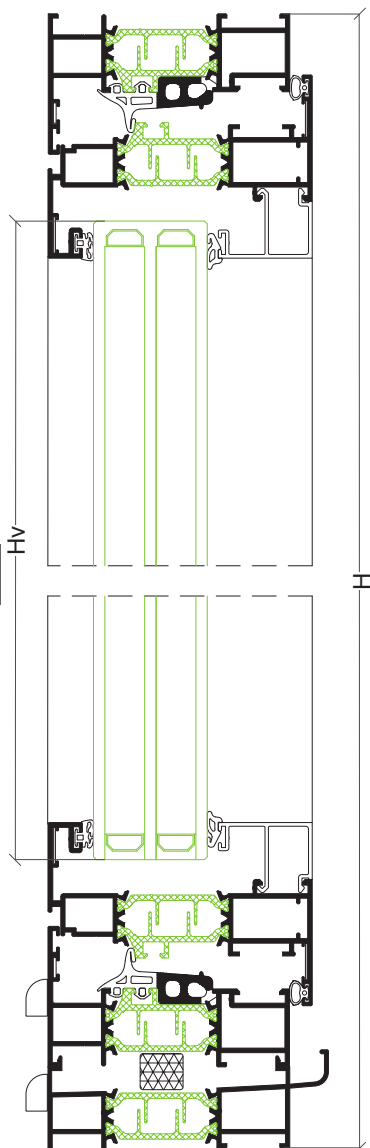
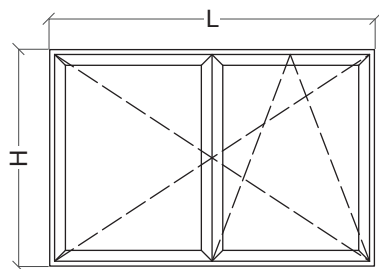
21

Vidro

Hv = H-174 mm	Lv = L-146 mm
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Janela 2 folhas abrir e oscilo-batente



Perfis

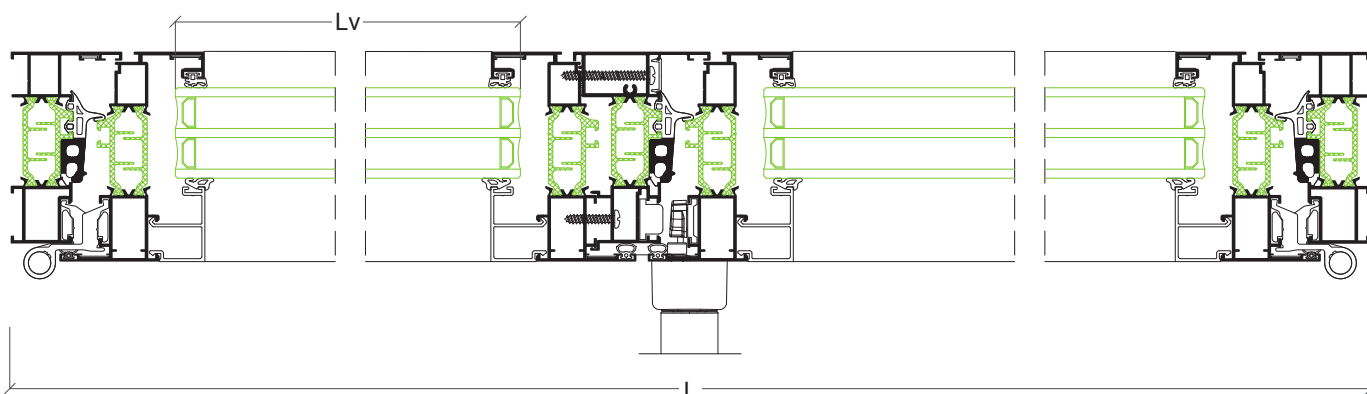
Desenho	Ref	Descrição	Corte	Quant	Medida
	API-03	Aro fixo		2	L
	API-61	Aro móvel		2	H-28.5 mm
	API-61	Aro móvel		2	L/2-24 mm
	API-61	Aro móvel		2	H-71.5 mm
	---	Bíte		4	L/2-113 mm
	---	Bíte		4	H-200.5 mm
	AX-19	Vareta		várias	---
	API-04	Inversor		1	H-139.5 mm
	KL-04	Perfil tampa		1	H-139.5 mm
	API-71	Soleira		1	L

Acessórios e Juntas

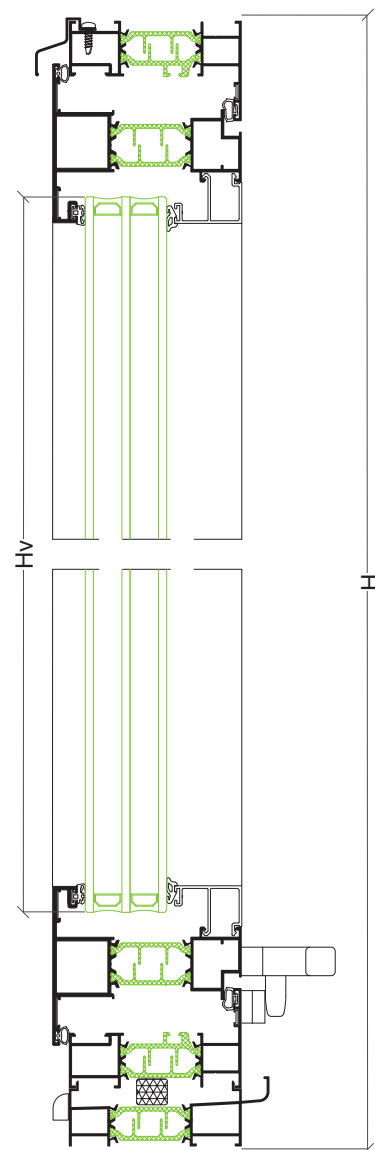
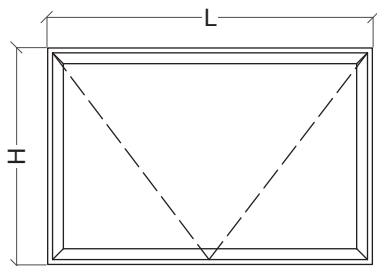
Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 96 00 04	Esquadro interior	12	
30 60 00 01	Esquadro exterior	12	
30 96 00 23	Esquadro alinhamento fixo	4	
30 96 00 22	Esquadro alinhamento móvel	16	
30 96 10 01	Calço para vidro	8	12
30 92 12 64/65	Cremone OB	---	1
---	Ferragem oscilo-batente (ver páginas 27/28)	---	1
30 92 12 92	Kit batente	1	---
30 92 01 20	Jogo fecho C.E.	1	---
30 92 12 94/95	Dobradiça branco/preto	4 ou mais	---
30 92 13 06	Ponto de fecho regulável (H > 1100 mm)	1	---
30 92 02 60	Apoio da folha	1	---
30 70 00 12	Conjunto topos inversor	1	
30 96 10 06	Junta central termo isolante	2L+3H	
30 96 10 07	Canto vulcanizado	4	
30 92 01 02	Goteira com válvula preto	4 ou mais	
30 96 00 12	Jogo topos condensação	1	
30 92 04 70	Espuma isolante	L	
30 93 01 20	Junta interior	2L+4H	
---	Junta para vidro (exterior)	2L+4H	
---	Junta para vidro (interior)	2L+4H	

Vidro

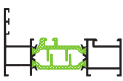
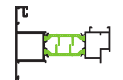
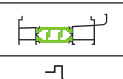
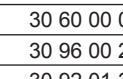
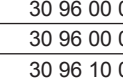
Hv = H-174 mm	Lv = L/2-127 mm
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Janela projectante



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	API-03	Aro fixo		2	L
	API-95	Aro móvel		2	H-28.5 mm
	API-95	Aro móvel		2	L-43 mm
	API-95	Aro móvel		2	H-71.5 mm
	---	Bite		2	L-159.5 mm
	---	Bite		2	H-228 mm
	API-71	Soleira		1	L
	AXi-45	Pingadeira		1	L
	AXi-32	Complemento		1	segundo medida do compasso

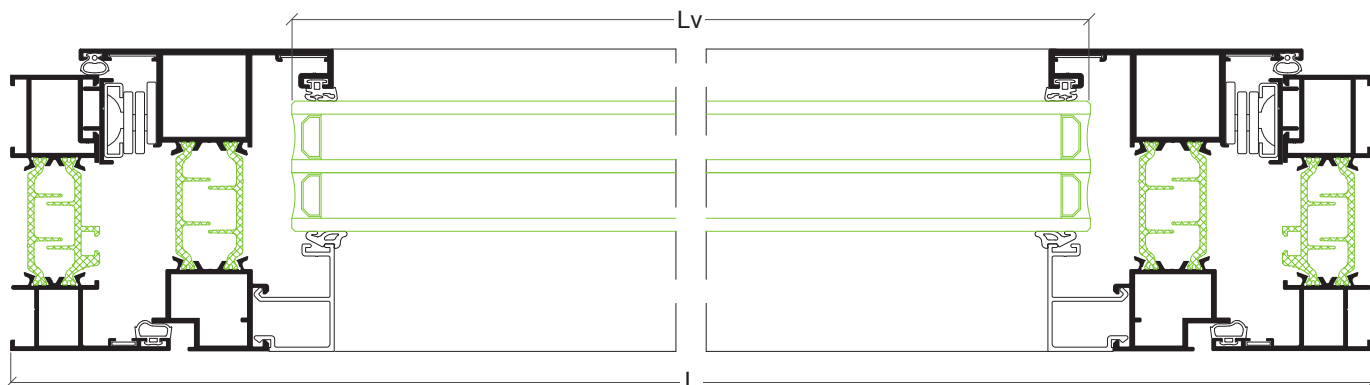
Acessórios e Juntas

Referência	Descrição	Quantidade
30 96 00 04	Esquadro interior	4
30 60 00 01	Esquadro exterior	4
30 96 00 23	Esquadro alinhamento fixo	4
30 92 01 35	Esquadro alinhamento móvel	8
30 96 00 06	Esquadro interior	4
30 96 00 07	Esquadro exterior	4
30 96 10 01	Calço para vidro	4
30 96 06 10 ou 11	Cremone de lingueta	2
---	Jogo compasso projectante	1
30 92 01 02	Goteira com válvula preto	2 ou mais
30 96 00 12	Jogo topos condensação	1
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 para vidro (exterior)	2L+2H
---	Junta para vidro (interior)	2L+2H

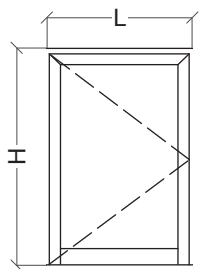
23

Vidro

Hv = H-202 mm	Lv = L-173 mm
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Porta 1 folha



Perfis

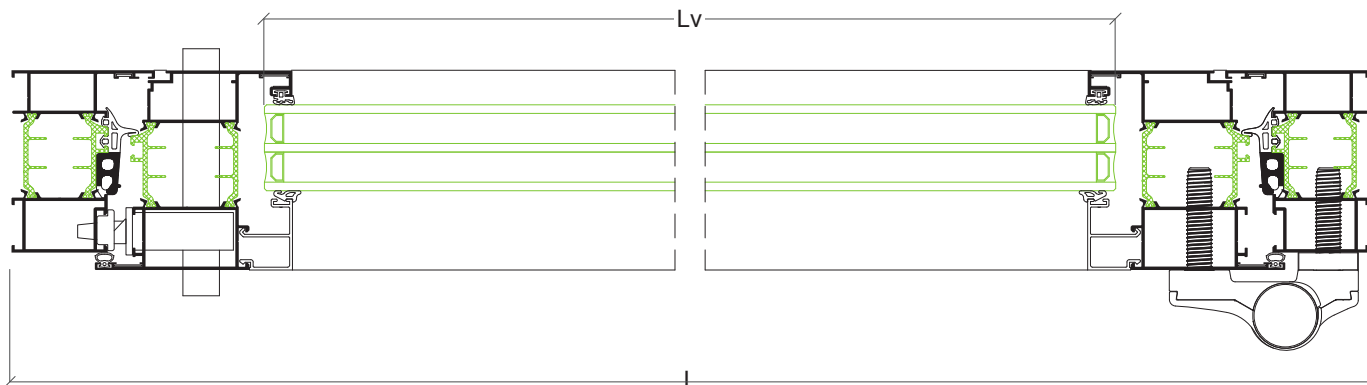
Desenho	Ref	Descrição	Corte	Quant	Medida
	APi-08	Aro fixo		1	L
				2	H
	APi-36	Aro móvel		2	L-78 mm
				2	H-50 mm
	---	Bite		2	L-222 mm
				2	H-234 mm
	APi-63	Remate inferior porta		1	L-80.5 mm
	AZ-79	Pingadeira		1	L-135 mm
	KL-04	Perfil tampa		1	L-90 mm

Acessórios e Juntas

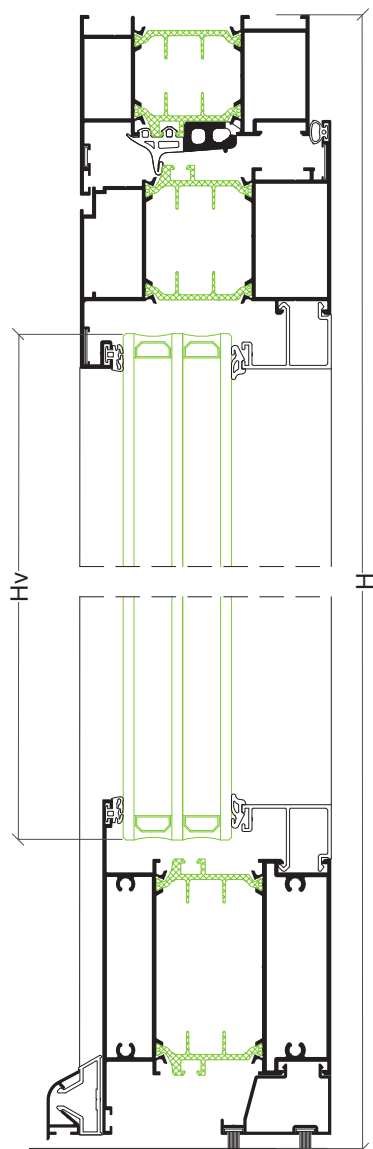
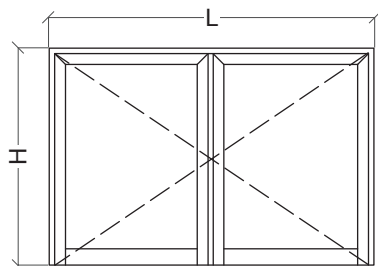
Referência	Descrição	Quantidade
30 96 00 05	Esquadro interior	2
30 60 00 02	Esquadro exterior	2
30 60 00 05	Esquadro interior móvel	4
30 60 00 04	Esquadro exterior móvel	4
30 96 00 23	Esquadro alinhamento fixo	2
30 96 00 22	Esquadro alinhamento móvel	8
30 96 10 01	Calço para vidro	4
30 92 22 88 ou 89	Dobradiça 2 abas porta	2
30 92 05 10	Fechadura 3 pontos	1
30 92 13 00 ou 01	Puxador duplo	1
30 92 13 02	Perno	1
30 92 22 85 ou 86	Escudo para canhão	1
30 92 13 03	Canhão	1
30 93 01 20	Junta interior	2L+2H
30 96 10 06	Junta central	L+2H
30 96 10 07	Canto vulcanizado	2
30 92 05 00	Conjunto topos pingadeira	1
30 00 95 15	Junta inferior curta	L
30 93 00 82	Junta inferior	L
---	Junta para vidro (exterior)	2L+2H
---	Junta para vidro (interior)	2L+2H

Vidro

Hv = H-208 mm	Lv = L-236 mm
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Porta 2 folhas



Perfis

Desenho	Ref	Descrição	Corte	Quant	Medida
	APi-08	Aro fixo		1	L
	APi-36	Aro móvel		2	L/2-41.5 mm
	---	Bite		4	L/2-185.5 mm
	APi-04	Inversor		4	H-258 mm
	KL-04	Perfil tampa		1	H-78 mm
	APi-12	Travessa		2	L/2-176.5 mm
	AJi-82	Bite remate		2	L/2-185.5 mm
	AZ-60	Pingadeira		1	L/2-103 mm
	AZ-61	Suplemento pingadeira		1	L/2-39 mm
	AZ-61	Suplemento pingadeira		2	L/2-226 mm

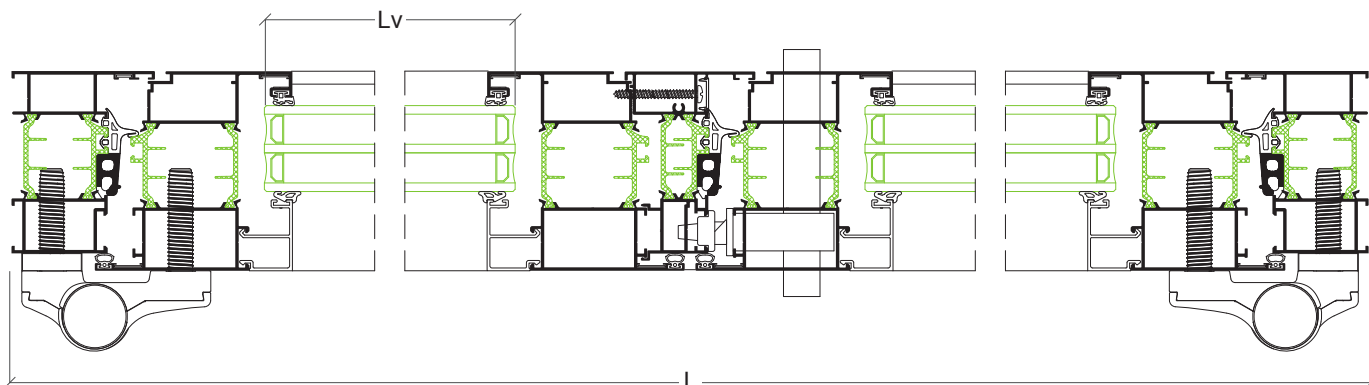
Acessórios e Juntas

Referência	Descrição	Quantidade
30 96 00 05	Esquadro interior	2
30 60 00 02	Esquadro exterior	2
30 60 00 05	Esquadro interior móvel	4
30 60 00 04	Esquadro exterior móvel	4
30 96 00 23	Esquadro alinhamento fixo	2
30 96 00 22	Esquadro alinhamento móvel	8
30 70 00 12	Conjunto topos inversor	1
30 92 22 88 ou 89	Dobradiça 2 abas porta	4
30 92 05 10	Fechadura 3 pontos	1
30 92 13 00 ou 01	Puxador duplo	1
30 92 13 02	Perno	1
30 92 22 85 ou 86	Escudo para canhão	1
30 92 13 03	Canhão	1
30 92 00 50	Contra-fecho	1
30 24 30 75	Contra-fecho inferior	1
30 92 01 20	Jogo fecho C.E.	1
30 93 01 20	Junta interior	L+4H
30 96 10 06	Junta central	L+3H
30 96 10 07	Canto vulcanizado	2
30 92 05 00	Conjunto topos pingadeira	1
30 95 00 10	Pelúcia	2L
---	Junta para vidro (exterior)	2L+4H
---	Junta para vidro (interior)	2L+4H

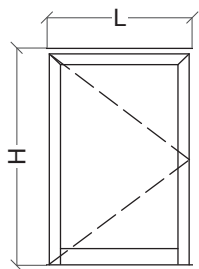
25

Vidro

Hv = H-232 mm	Lv = L/2-200 mm
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Porta 1 folha abertura exterior



Perfis

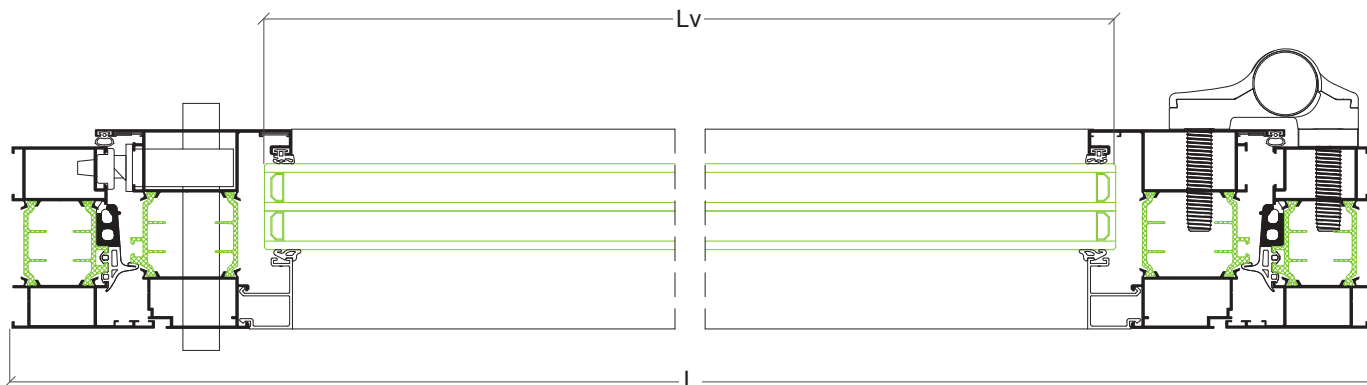
Desenho	Ref	Descrição	Corte	Quant	Medida
	API-08	Aro fixo		1	L
				2	H
	API-72	Aro móvel		2	L-78 mm
				2	H-50 mm
	---	Bite		2	L-222 mm
				2	H-234 mm
	API-63	Remate inferior porta		1	L-80.5 mm
	AJi-62	Pingadeira		1	---
	KL-04	Perfil tampa		1	L-90 mm

Acessórios e Juntas

Referência	Descrição	Quantidade
30 96 00 05	Esquadro interior	2
30 60 00 02	Esquadro exterior	2
30 60 00 05	Esquadro interior móvel	4
30 60 00 04	Esquadro exterior móvel	4
30 96 00 23	Esquadro alinhamento fixo	2
30 96 00 22	Esquadro alinhamento móvel	8
30 96 10 01	Calço para vidro	4
30 92 22 88 ou 89	Dobradiça 2 abas porta	2
30 92 05 10	Fechadura 3 pontos	1
30 92 13 00 ou 01	Puxador duplo	1
30 92 13 02	Perno	1
30 92 22 85 ou 86	Escudo para canhão	1
30 92 13 03	Canhão	1
30 93 01 20	Junta interior	2L+2H
30 96 10 06	Junta central	L+2H
30 96 10 07	Canto vulcanizado	2
30 60 00 13	Conjunto topos AJi-62	1
30 60 00 14	Pelúcia preta 18 mm	2L
---	Junta para vidro (exterior)	2L+2H
---	Junta para vidro (interior)	2L+2H

Vidro

Hv = H-208 mm	Lv = L-236 mm
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Ferragens para oscilo-batente

Designação	Referência		
Kit oscilo-batente	30 92 12 60 (branco) 30 92 12 61 (preto)	1	
Cremone OB	30 92 12 64 ou 65 ou 30 92 12 66 ou 67	1	
Compasso pequeno	30 92 12 72	1	
Kit fecho 3º ponto	30 92 12 75		1

Designação	Referência		
Kit oscilo-batente	30 92 12 60 (branco) 30 92 12 61 (preto)	1	
Cremone OB	30 92 12 64 ou 65 ou 30 92 12 66 ou 67	1	
Compasso grande	30 92 12 73	1	
Kit fecho 3º ponto	30 92 12 75		1

Designação	Referência		
Kit oscilo-batente	30 92 12 60 (branco) 30 92 12 61 (preto)	1	
Cremone OB	30 92 12 64 ou 65 ou 30 92 12 66 ou 67	1	
Compasso grande	30 92 12 73	1	
Compasso suplementar	30 92 12 74	1	
Kit fecho 3º ponto	30 92 12 75	1	2

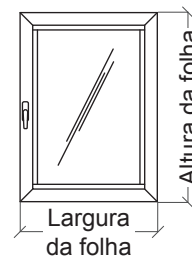
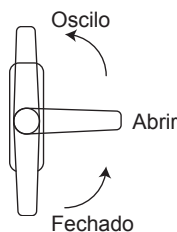
Ferragens para a 2ª folha

Designação	Referência		
Kit dobradiça 2ª folha	30 92 12 77 (branco) 30 92 12 78 (preto)	1	
Kit fechos para 2ª folha	30 92 12 79	1	
Conjunto ponto fecho suplementar	30 92 12 80		1

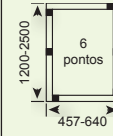
Peso máximo da folha: 130 kg (alumínio + vidro)

(confirmar com o quadro de dimensão/aplicação do mapa de montagem da ferragem O-B)

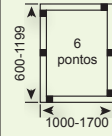
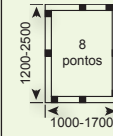
Largura mínima: 457 mm / Largura máxima: 1800 mm
Altura mínima: 600 mm / Altura máxima: 3000 mm

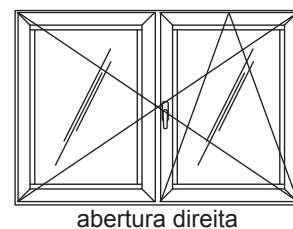
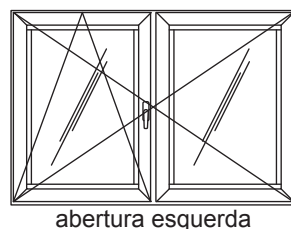
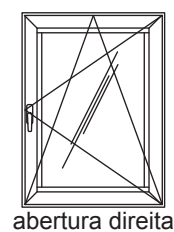
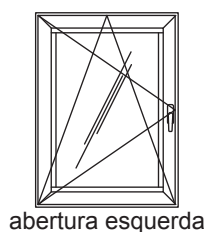


Ferragens para oscilo-batente oculta

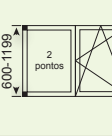
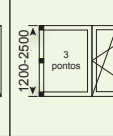
Designação	Referência		
Kit oscilo-batente com compasso pequeno (até 130 kg)	30 92 12 81 (direito) 30 92 12 82 (esquerdo)	1	
Cremone OB	30 92 12 64 ou 65 ou 30 92 12 66 ou 67	1	
Suplemento (131 - 170 kg)	30 92 12 85	1	
Kit fecho 3º ponto vertical	30 92 12 93		1

Designação	Referência		
Kit oscilo-batente com compasso grande (até 130 kg)	30 92 12 83 (direito) 30 92 12 84 (esquerdo)	1	
Cremone OB	30 92 12 64 ou 65 ou 30 92 12 66 ou 67	1	
Suplemento (131 - 170 kg)	30 92 12 85	1	
Kit fecho 3º ponto vertical	30 92 12 93		1

Designação	Referência		
Kit oscilo-batente com compasso grande (até 130 kg)	30 92 12 83 (direito) 30 92 12 84 (esquerdo)	1	
Cremone OB	30 92 12 64 ou 65 ou 30 92 12 66 ou 67	1	
Suplemento (131 - 170 kg)	30 92 12 85	1	
Compasso suplementar	30 92 12 74	1	
Kit fecho 3º ponto horizontal	30 92 12 75	1	
Kit fecho 3º ponto vertical	30 92 12 93		1



Ferragens para a 2ª folha

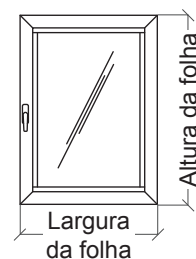
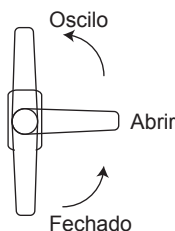
Designação	Referência		
Kit dobradiça 2ª folha (até 130 kg)	30 92 12 86 (direito) 30 92 12 87 (esquerdo)	1	
Kit fechos para 2ª folha	30 92 12 79	1	
Conjunto ponto fecho suplementar	30 92 12 80		1
Suplemento (131-170 kg)	30 92 12 85	1	

Peso máximo da folha: 170 kg (alumínio + vidro)

(confirmar com o quadro de dimensão/aplicação do mapa de montagem da ferragem O-B)

Largura mínima: 457 mm / Largura máxima: 1700 mm

Altura mínima: 600 mm / Altura máxima: 2500 mm



As medidas indicadas reportam-se às dimensões da folha móvel do vão