



Sistema

ARi

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Sistema de batente com RPT - 60 mm

Características do sistema

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

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

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

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

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

Perfis de alumínio

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

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

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

Aros fixos

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

Aros fixos com esquadros duplos para montagem a meia esquadria;

Aros fixos tradicionais para mercado interno;

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

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

Aros móveis

Secção dos aros móveis de 68 mm com tripla câmara;

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

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

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

Aros móveis com esquadros duplos para montagem a meia esquadria;

Perfil inversor de linha recta.

Dimensionamento e manobralidade

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

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

Estanquidade assegurada através de juntas triplas em EPDM.

Performances

Sistema certificado por laboratório notificado para Ensaio Tipo Inicial (ITT) de acordo com a norma de produto EN 14351-1 para efeitos de Marcação CE.

Categorias alcançadas na avaliação do sistema ARi tipologia janela:

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

Categorias alcançadas na avaliação do sistema ARi tipologia porta:

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

Categorias alcançadas na avaliação do sistema ARi-Folha Oculta tipologia janela:

1. Permeabilidade ao ar: Classe 3 (norma de ensaio EN 1026)
2. Estanquidade à água: Classe 7A (norma de ensaio EN 1027)
3. Resistência ao vento: Classe C5 (norma de ensaio EN 12211)

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":

• $U_w = 1.54 \text{ W/m}^2\text{K}$

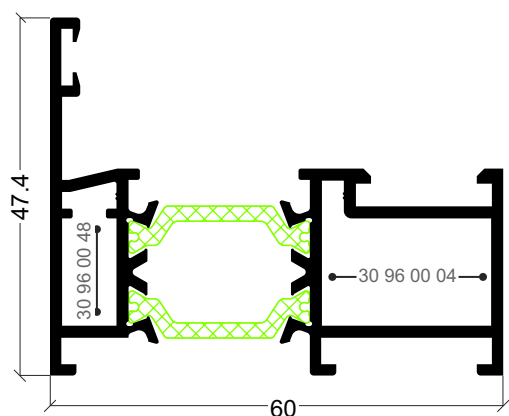
Coeficiente de transmissão térmica de vão de 2 folhas, sistema ARi Folha Oculta com 1.80 m x 2.20 m com vidro $U_g = 1.1 \text{ W/m}^2\text{K}$, com intercalar efeito "Warm Edge":

• $U_w = 1.70 \text{ W/m}^2\text{K}$

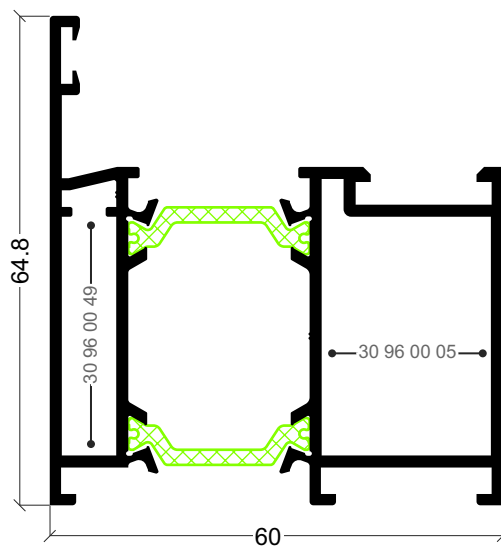
Coeficiente de atenuação acústica de vão de 2 folhas com vidro 4/16 (gás Árgon)/6:

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

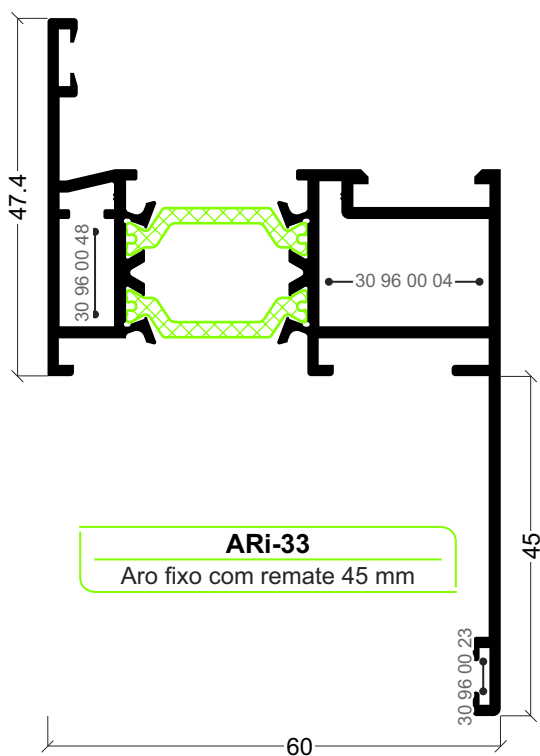
Zonas de aplicação segundo RCCTE (em função do valor U_g): I1, I2, I3, V1, V2, V3.



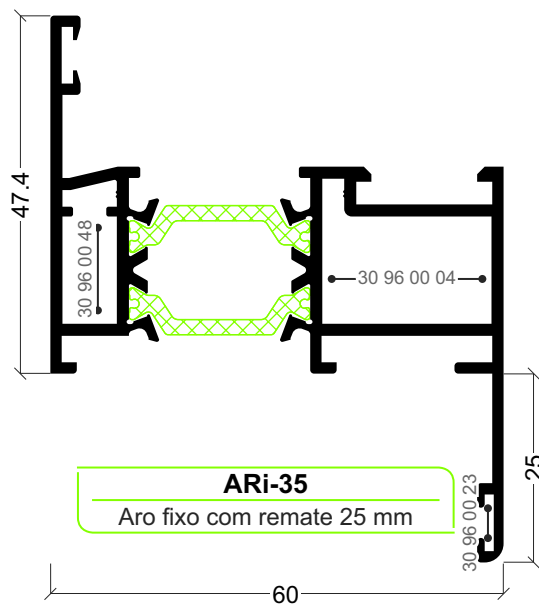
ARi-03
Aro fixo



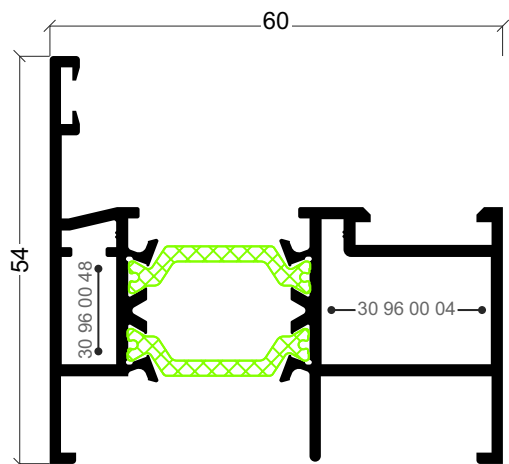
ARi-08
Aro fixo



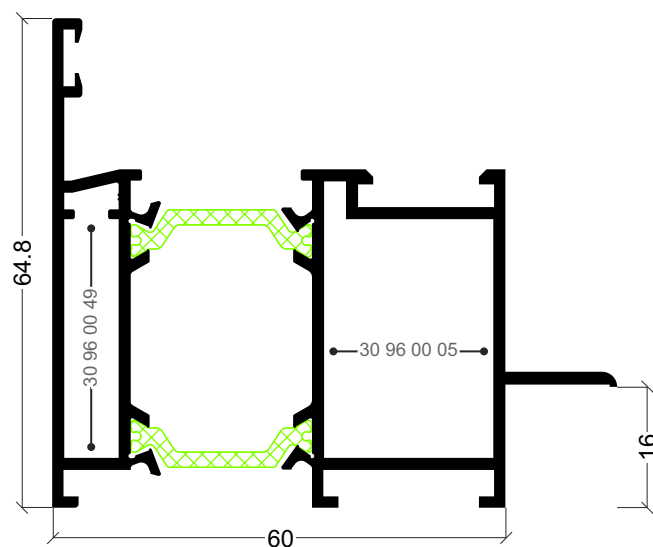
ARi-33
Aro fixo com remate 45 mm



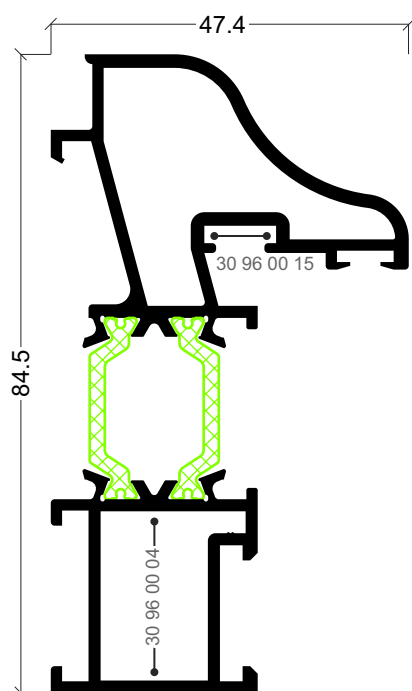
ARi-35
Aro fixo com remate 25 mm



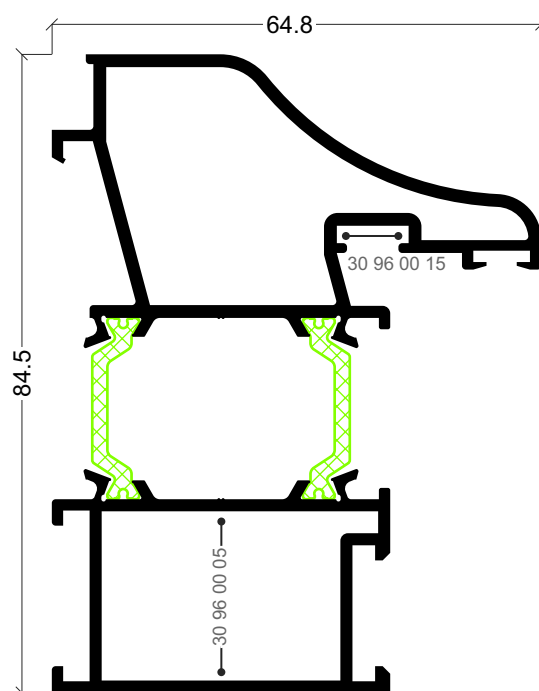
ARi-81
Aro fixo



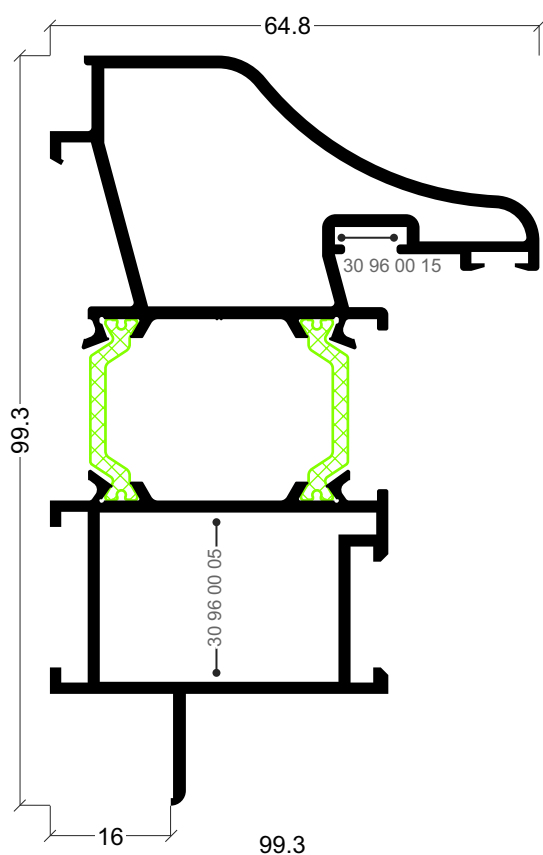
ARi-68
Aro fixo para apainelado



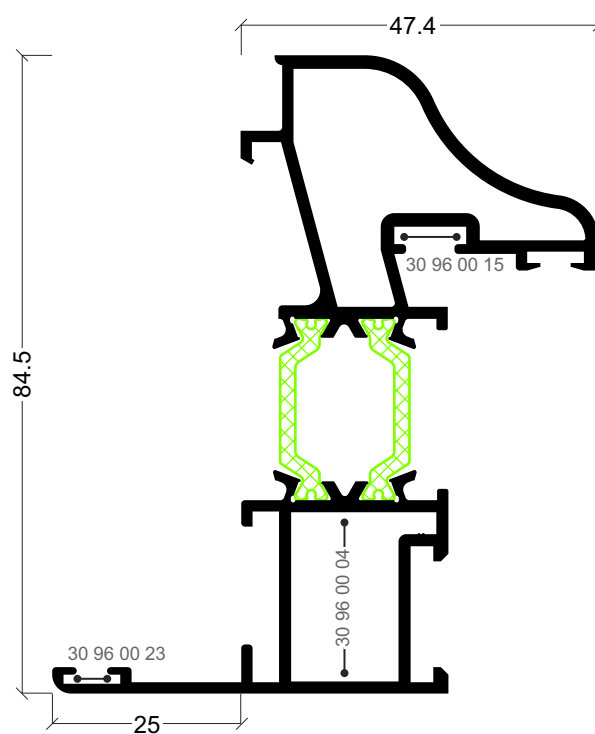
ARi-57
Aro fixo tradição



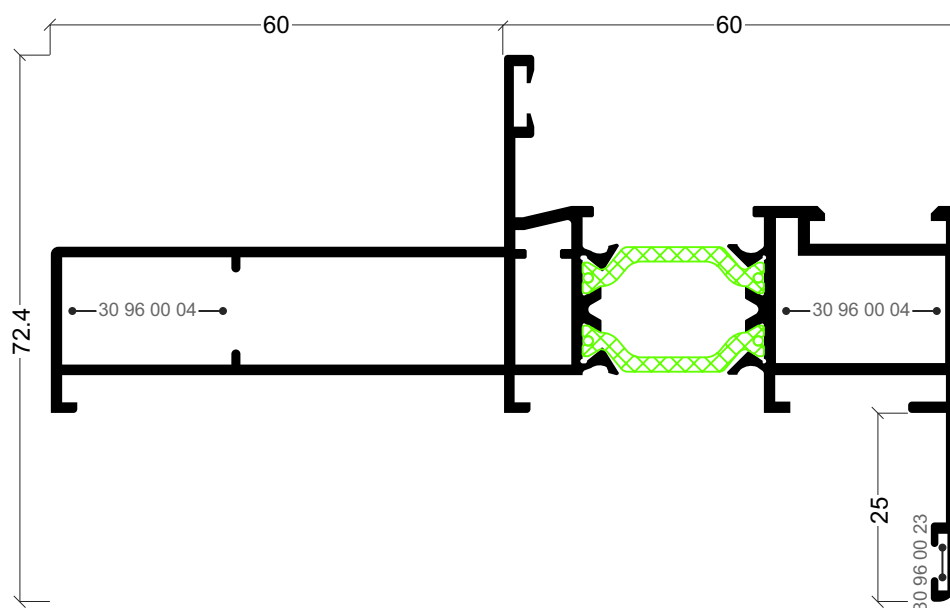
ARi-59
Aro fixo tradição



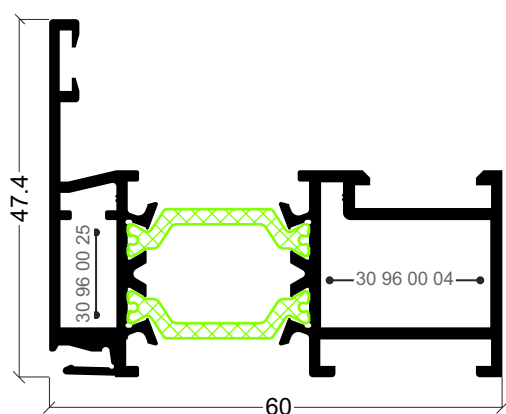
ARi-69
Aro fixo para apainelado



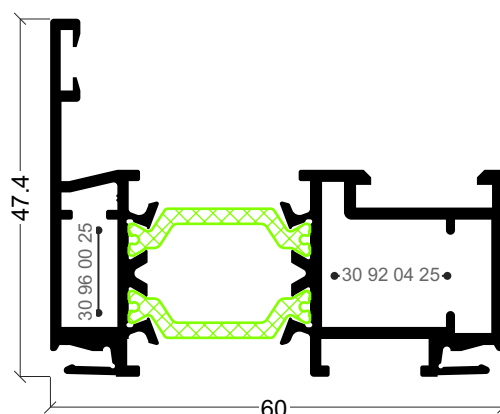
ARi-77
Aro fixo com remate



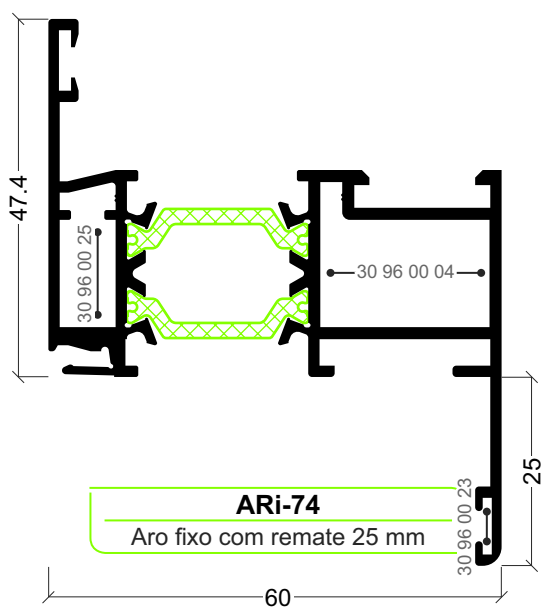
ARi-86
Aro fixo com remate



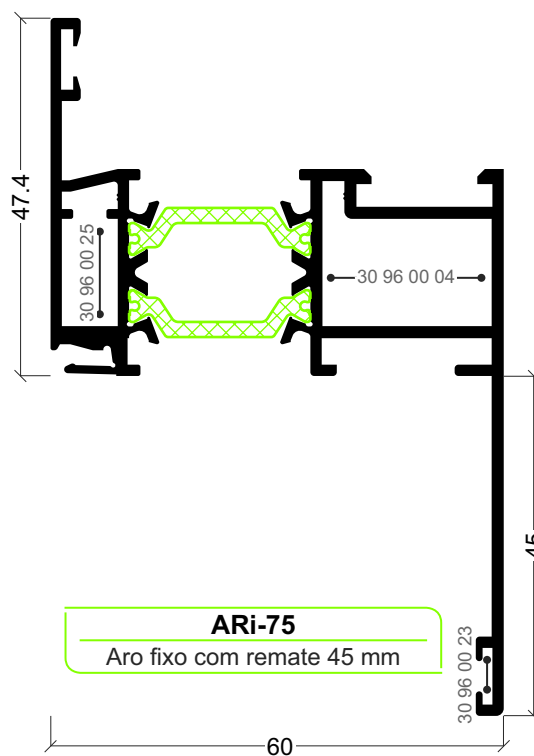
ARi-76
Aro fixo



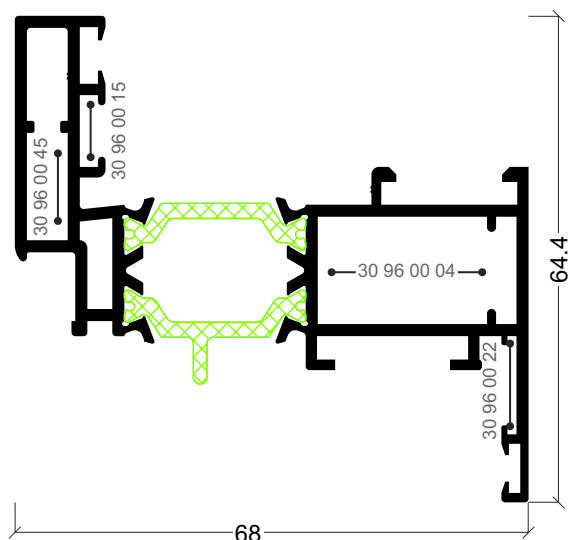
ARi-80
Aro fixo com clip interior/exterior



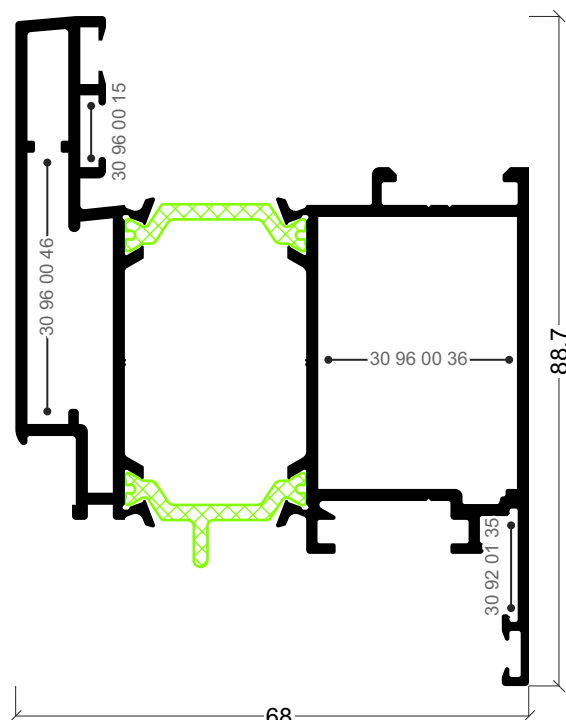
ARi-74
Aro fixo com remate 25 mm



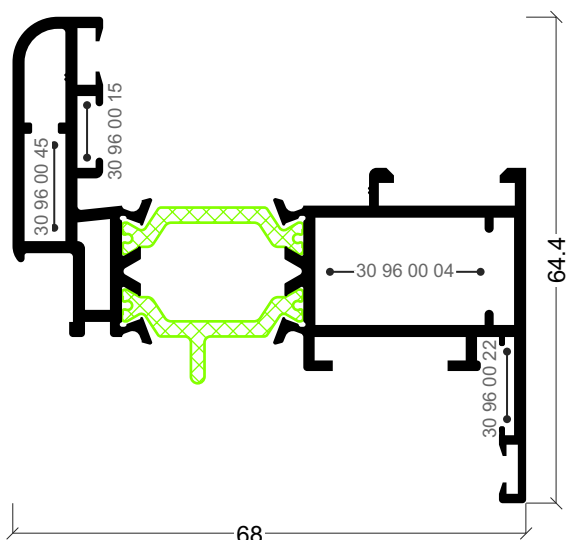
ARi-75
Aro fixo com remate 45 mm



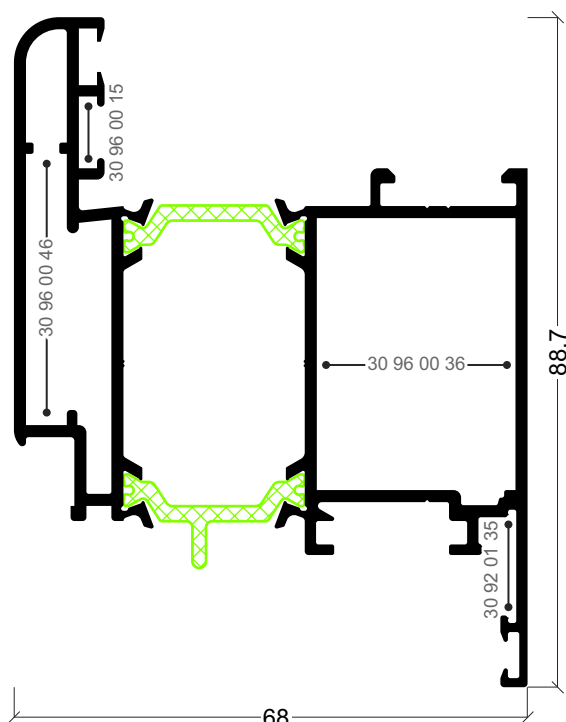
ARi-61
Aro móvel



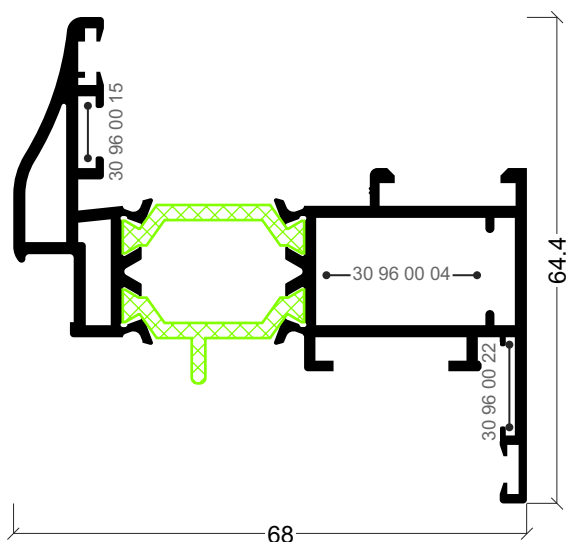
ARi-36
Aro móvel



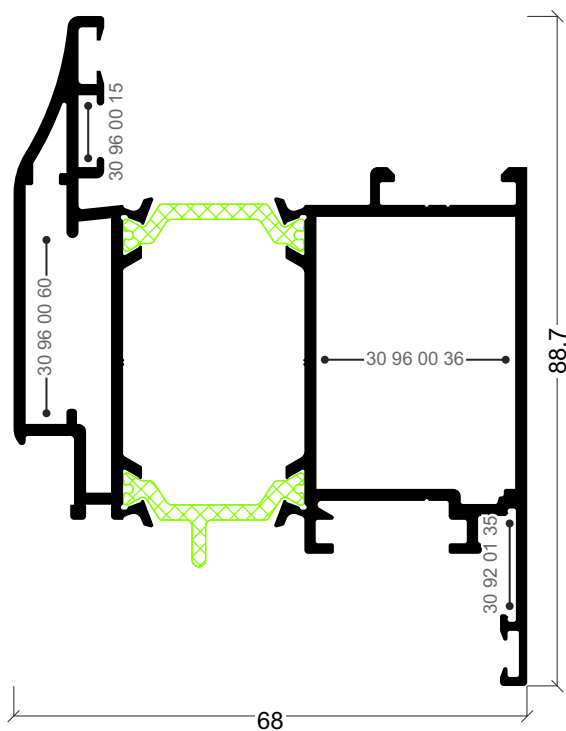
ARi-05
Aro móvel



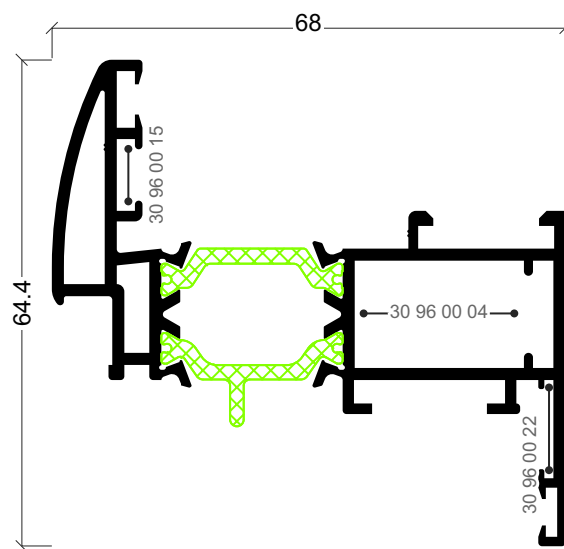
ARi-10
Aro móvel



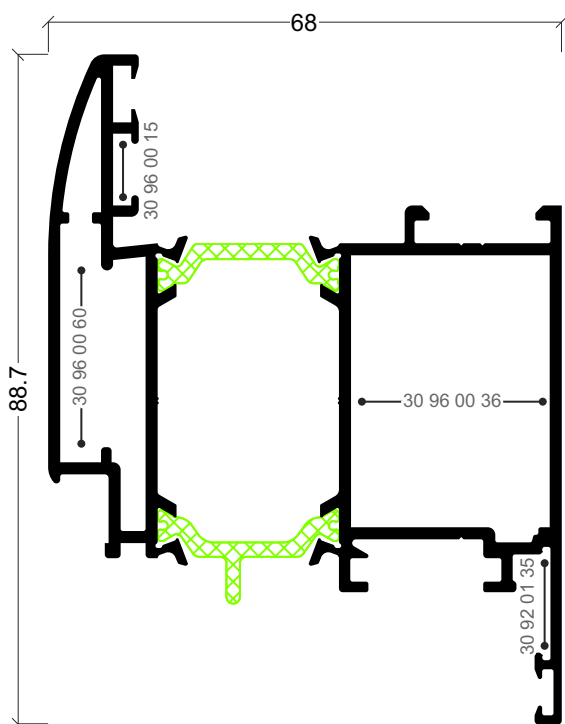
ARi-58
Aro móvel tradição



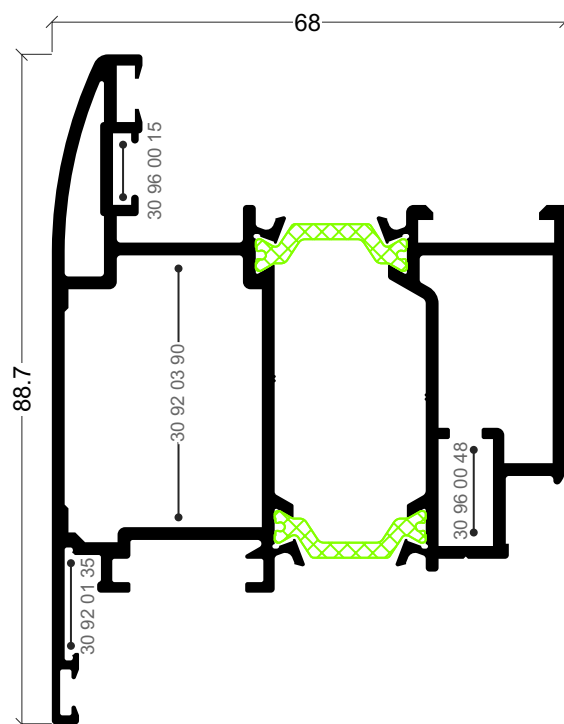
ARi-60
Aro móvel tradição



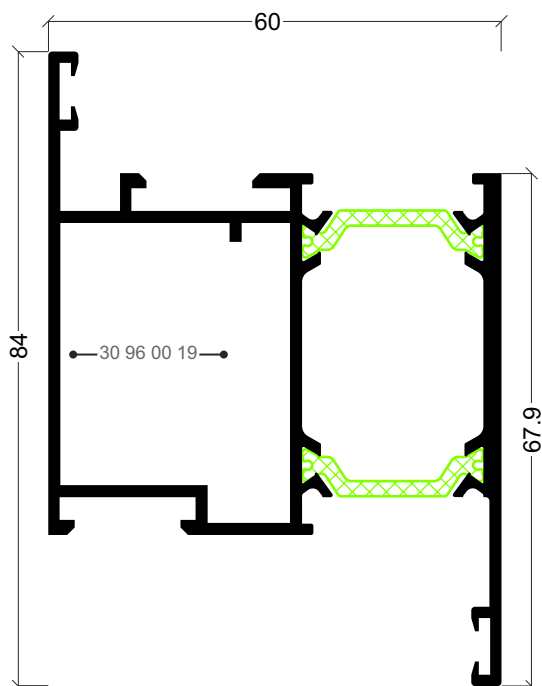
ARi-83
Aro móvel



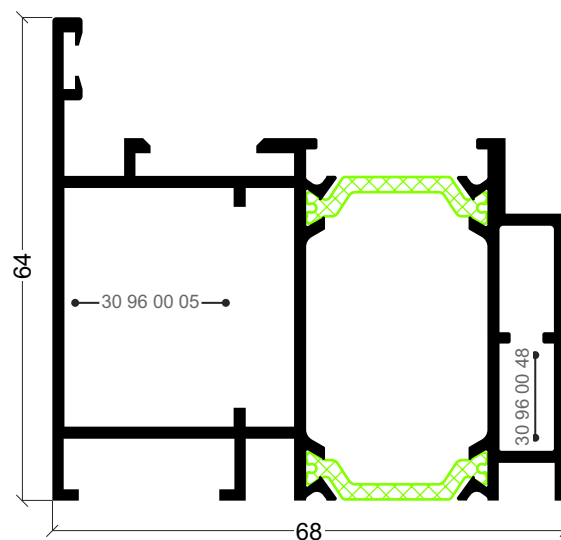
ARi-84
Aro móvel



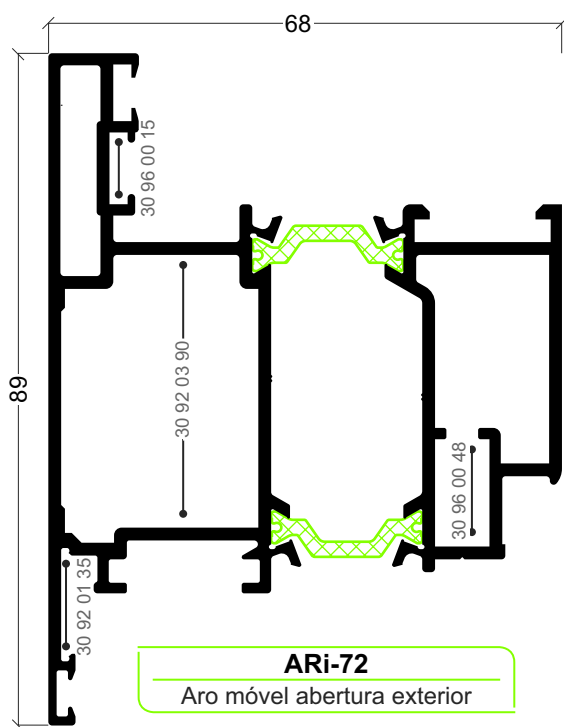
ARi-85
Aro móvel



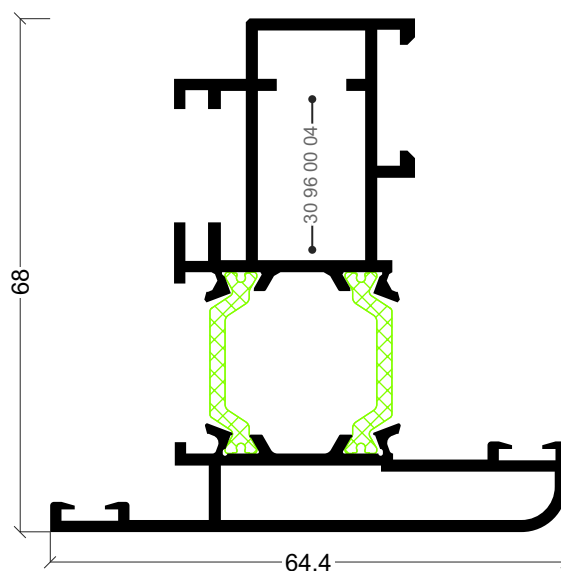
ARi-11
Aro fixo abertura exterior com fixo lateral



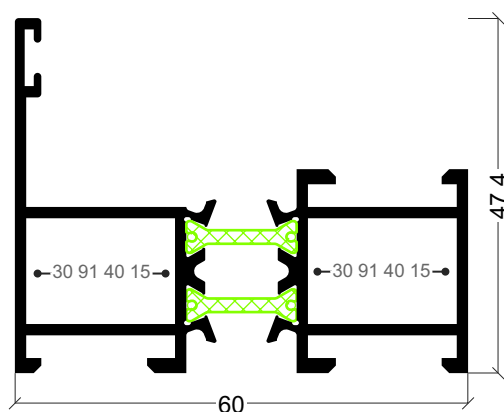
ARi-09
Aro fixo abertura exterior ARI-25



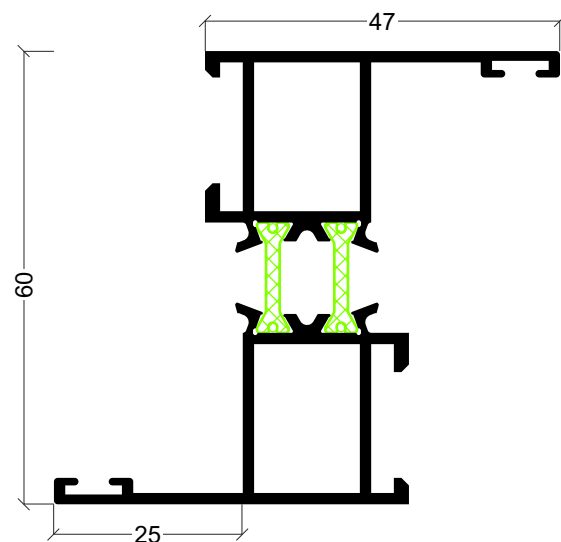
ARi-72
Aro móvel abertura exterior



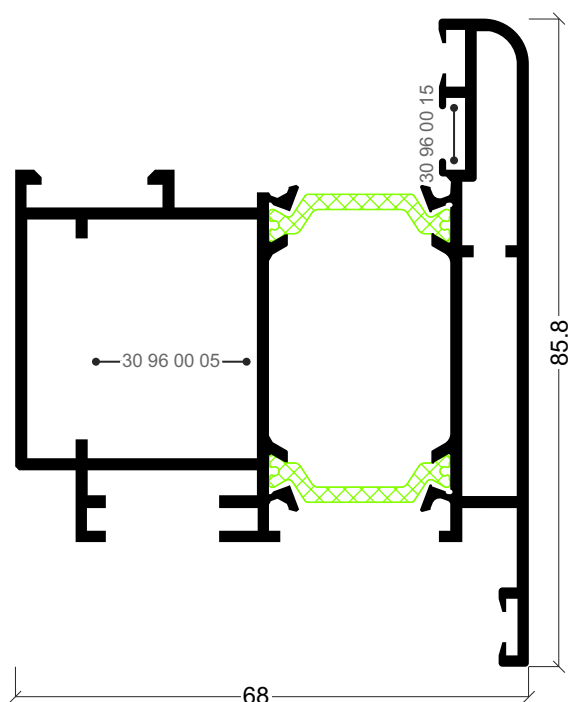
ARi-02
Aro móvel pivotante



ARi-38
Aro fixo projectante

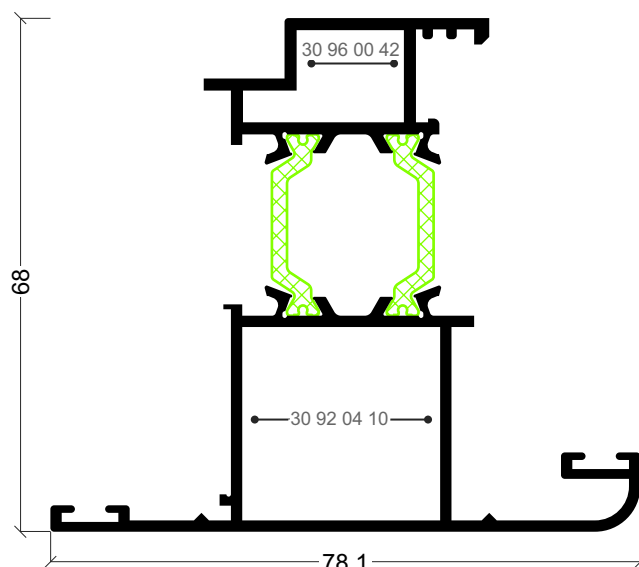


ARi-39
Aro fixo projectante com fixo



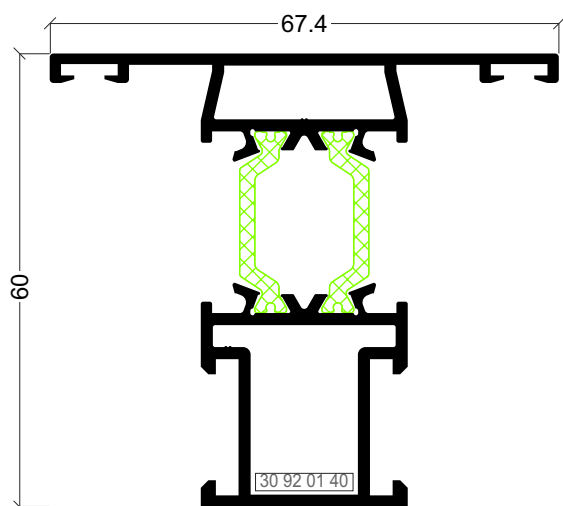
ARi-25

Aro móvel abertura exterior ou pivotante



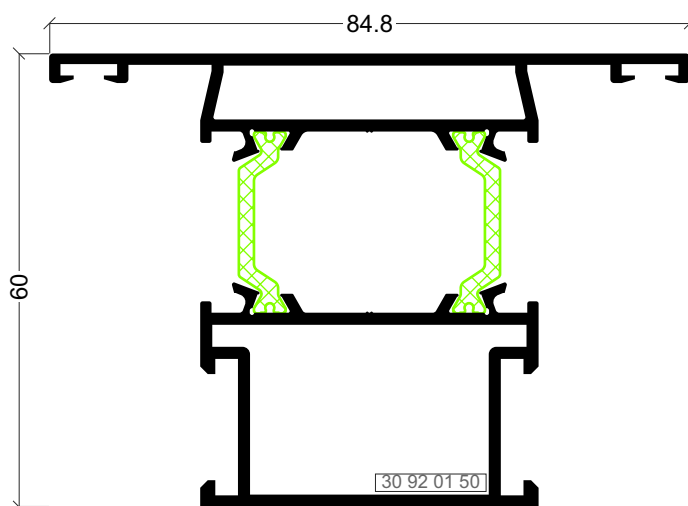
ARi-07

Aro móvel projectante



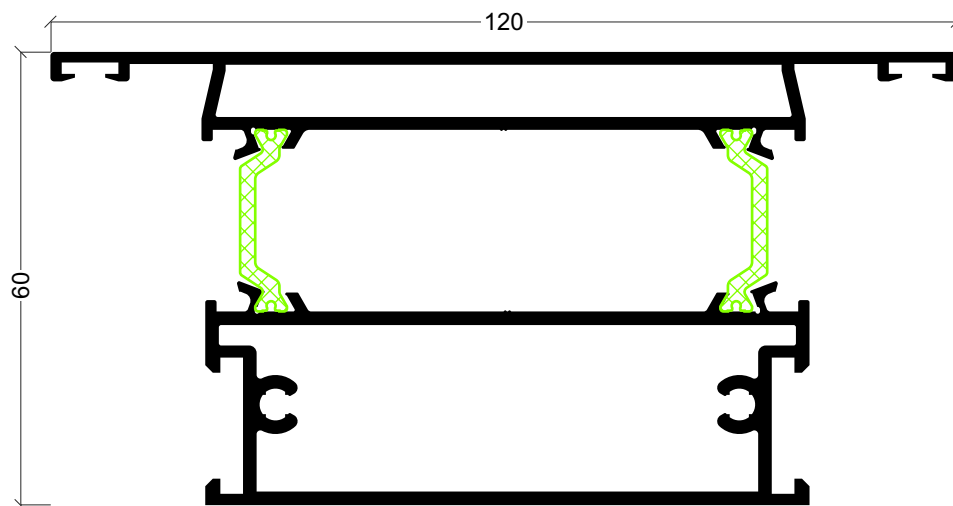
ARi-01

Travessa



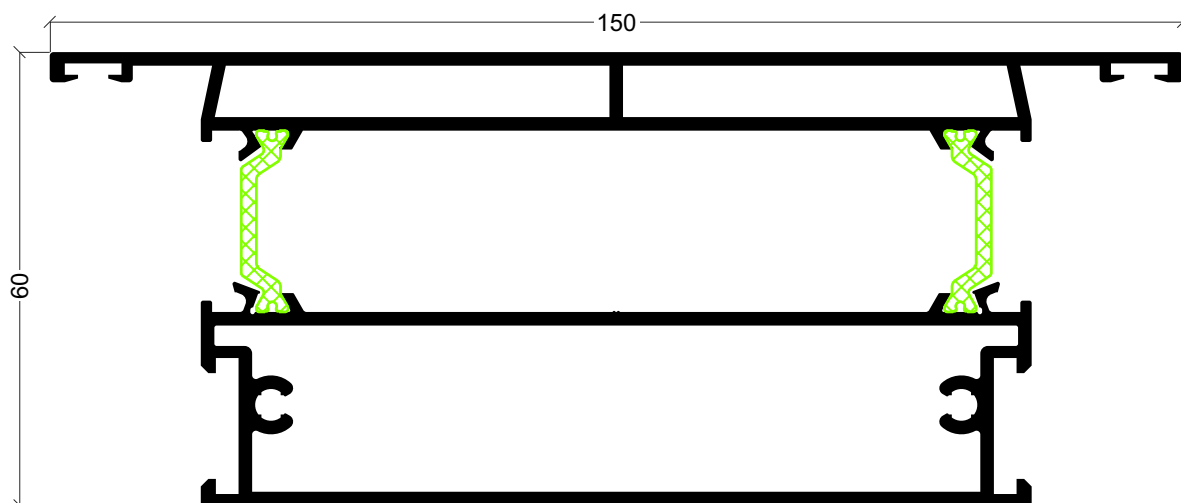
ARi-06

Travessa



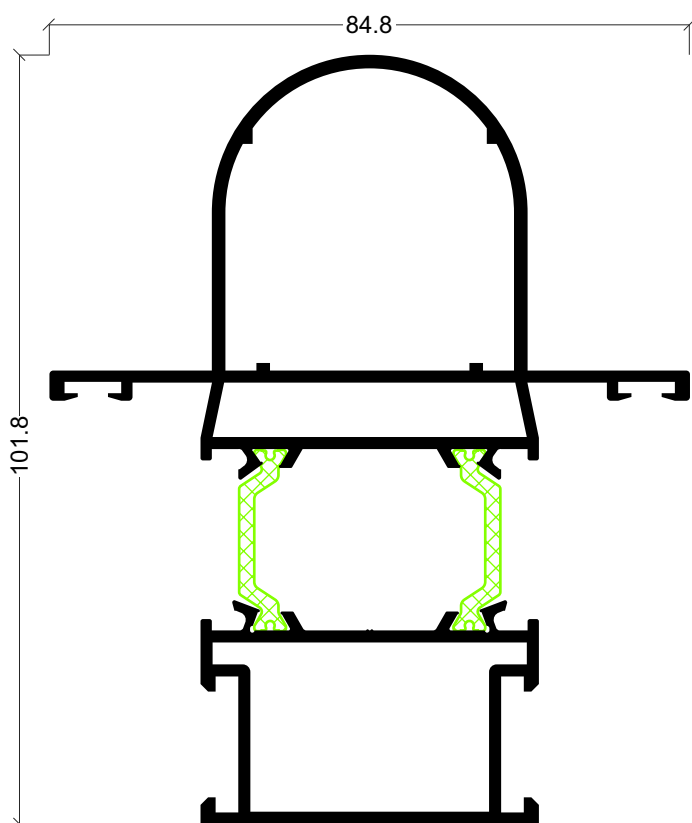
ARi-12

Travessa

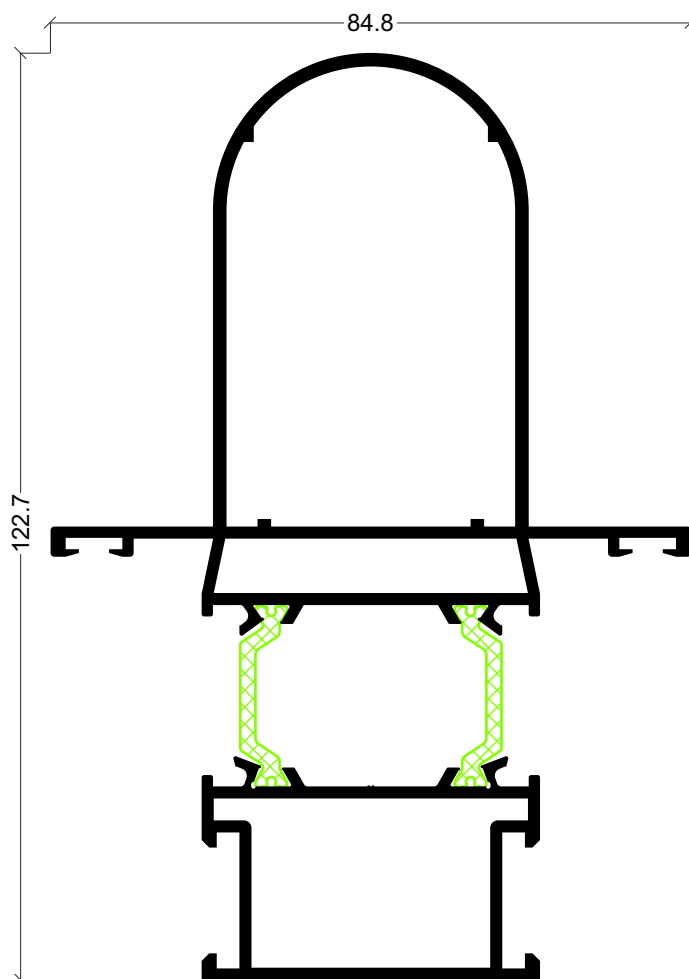


ARI-13
Traversa

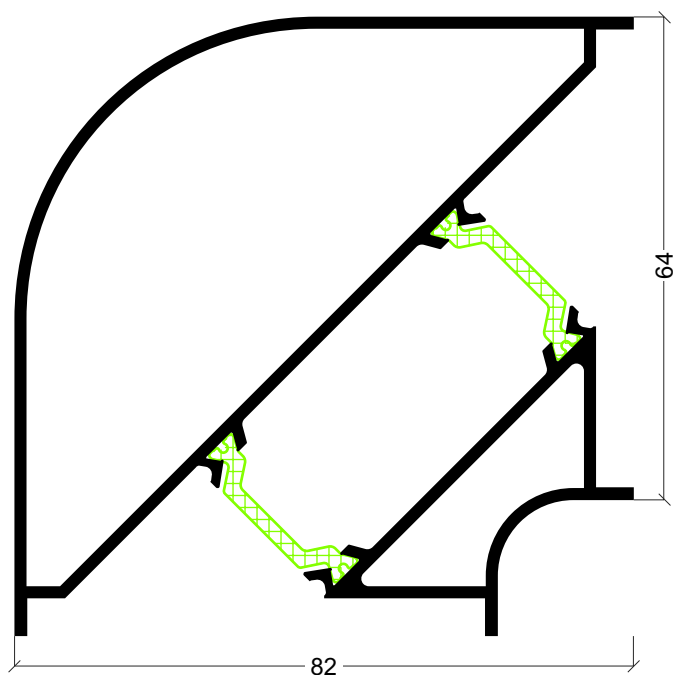
66



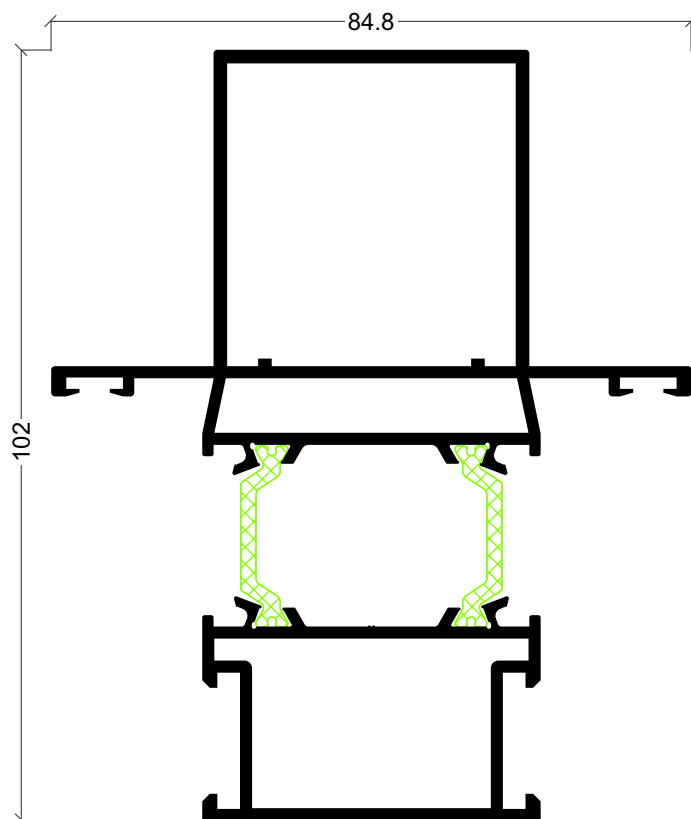
ARI-17
Montante Curvo



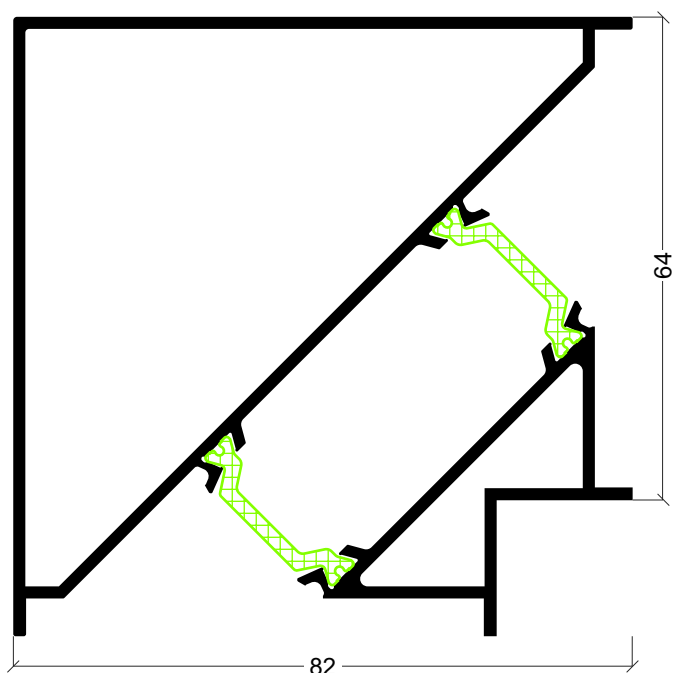
ARI-18
Montante Curvo



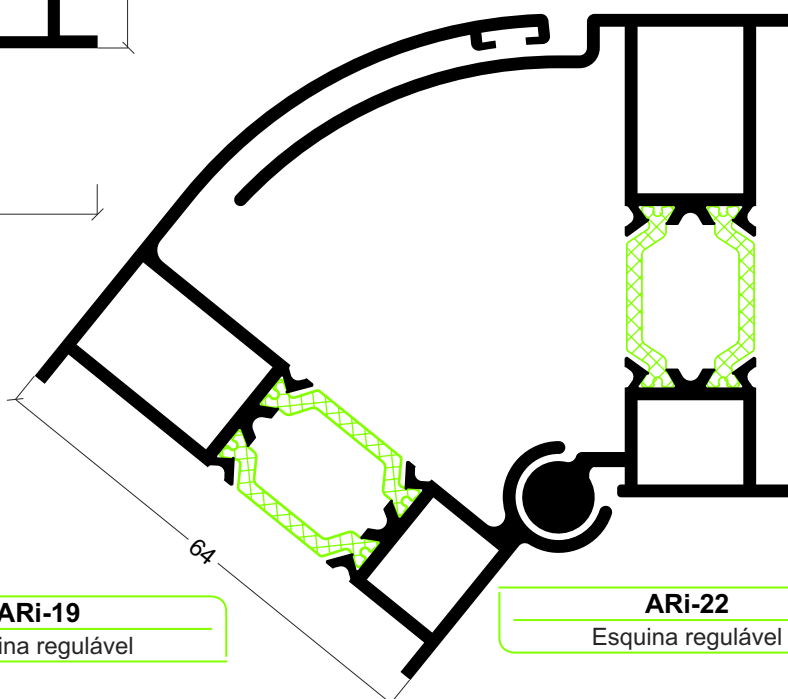
ARi-16
Esquina 90°



ARi-79
Montante recto

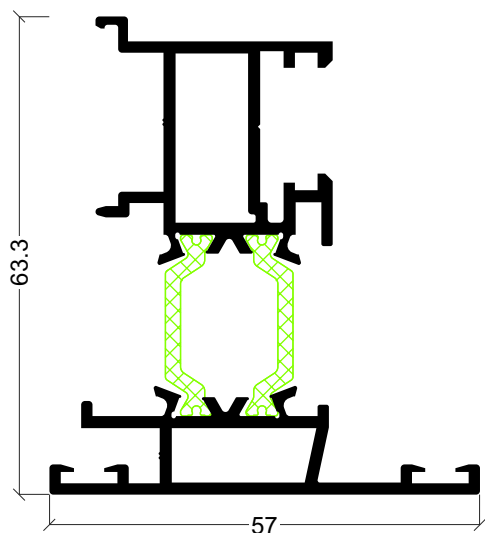


ARi-64
Esquina 90°

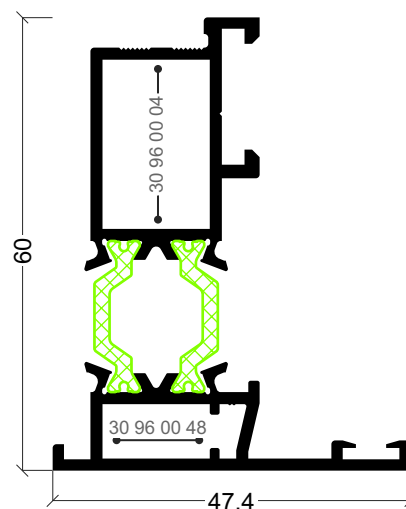


ARi-19
Esquina regulável

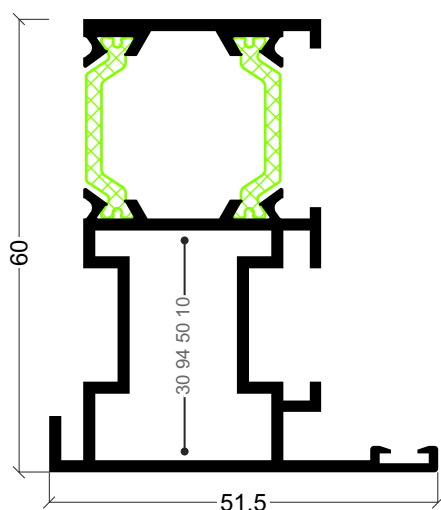
ARi-22
Esquina regulável



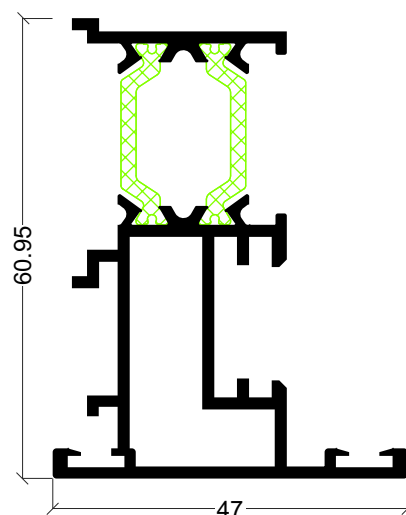
ARi-04
Inversor



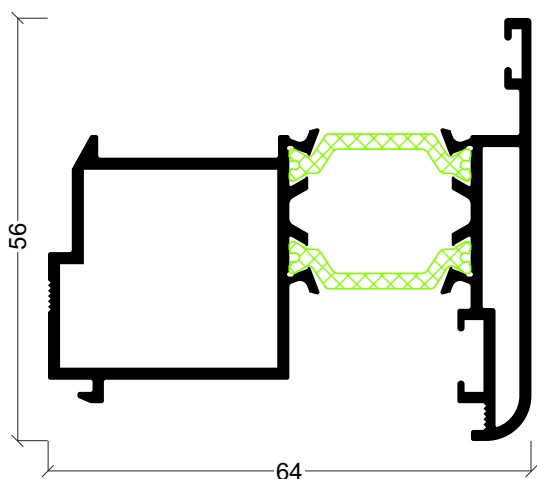
ARi-73
Inversor de sentido de abertura



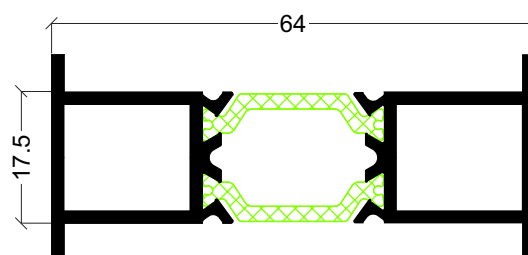
ARi-14
Inversor pivotante



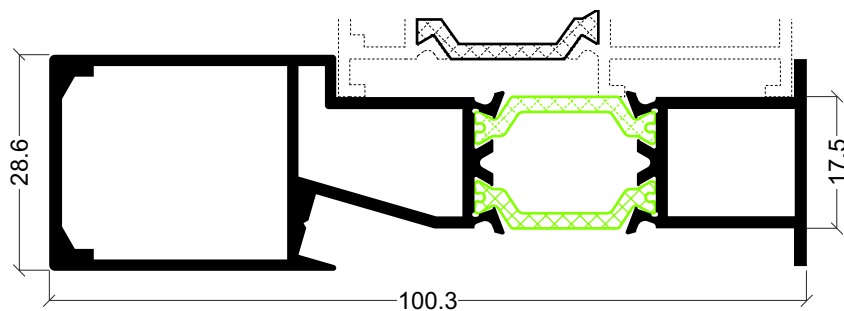
ARi-15
Inversor para ARi-25



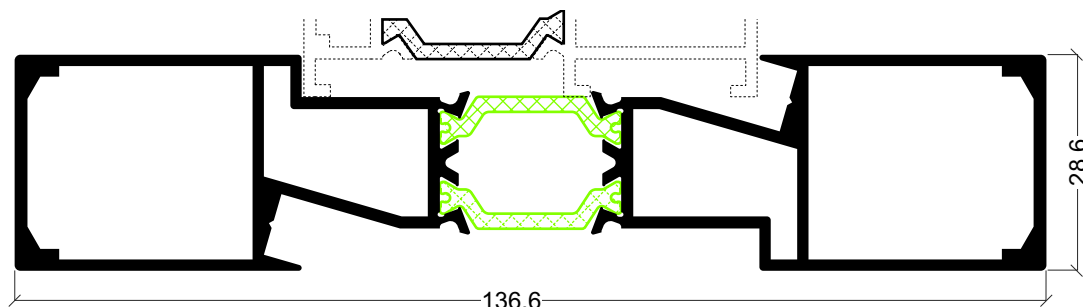
ARi-51
Inversor projectante



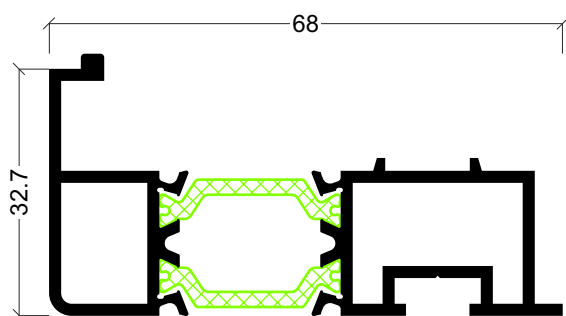
ARi-21
União de aros



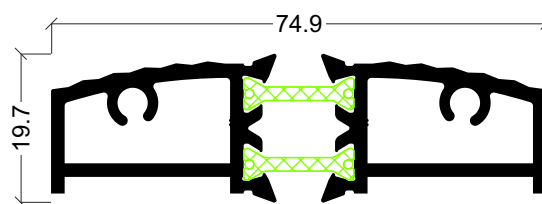
ARi-65
União de aros com reforço



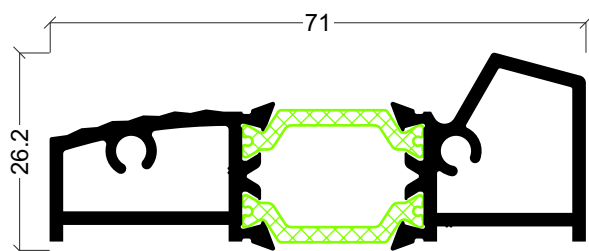
ARi-67
União de aros com reforço



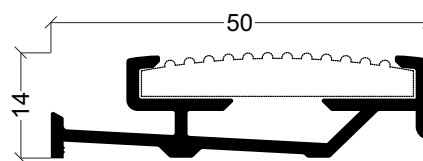
ARi-23
Remate almofada



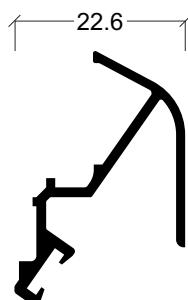
AXi-69
Remate inferior porta



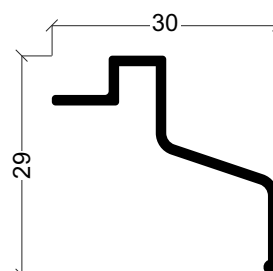
ARi-63
Remate inferior porta



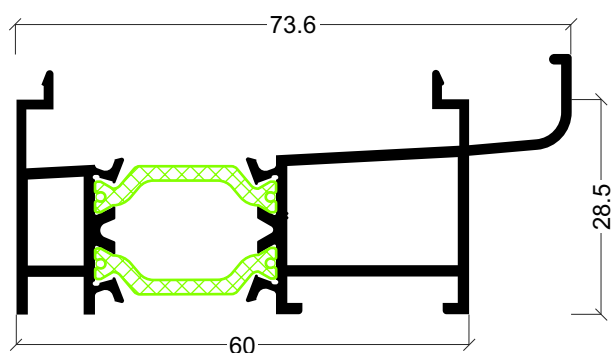
AZ-69
Remate inferior porta



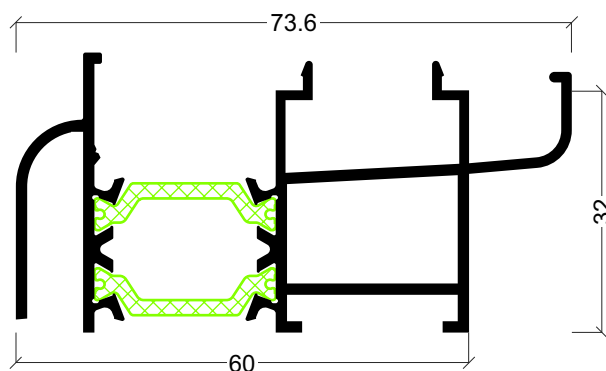
ARi-62
Pingadeira inferior porta



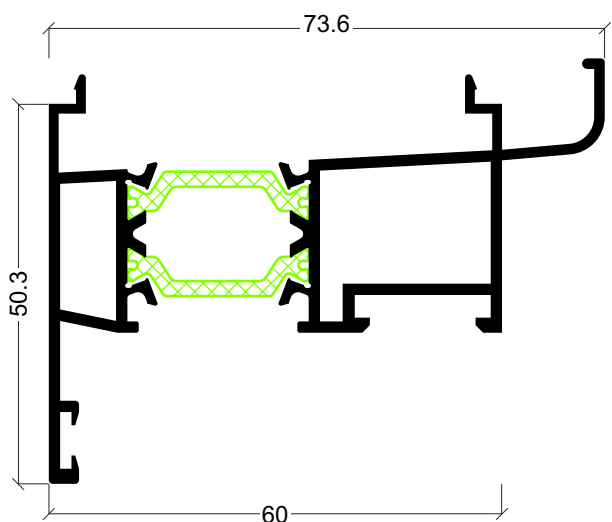
AXi-45
Pingadeira



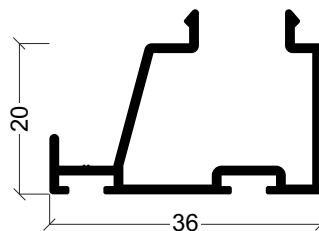
CT-11
Soleira condensation



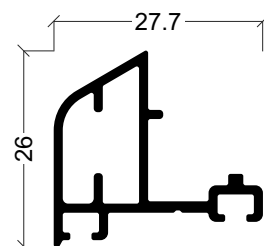
ARi-49
Soleira condensation



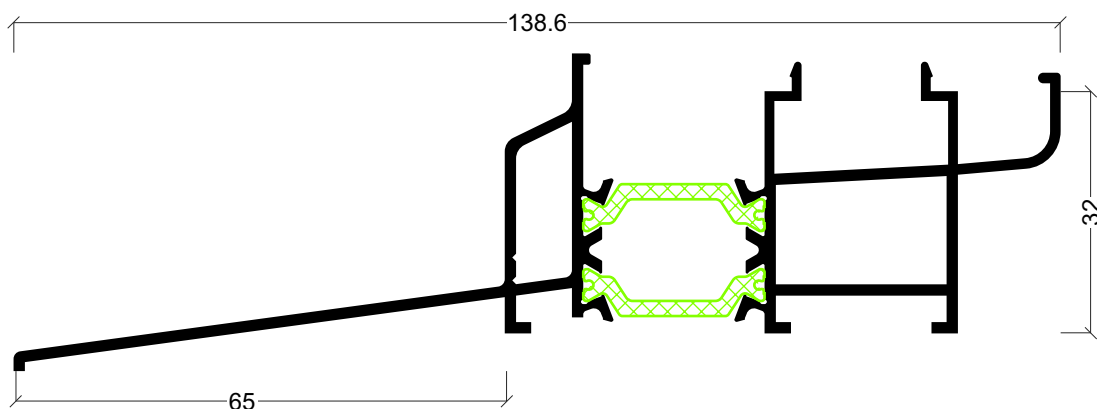
ARi-20
Soleira condensation with fixed bottom



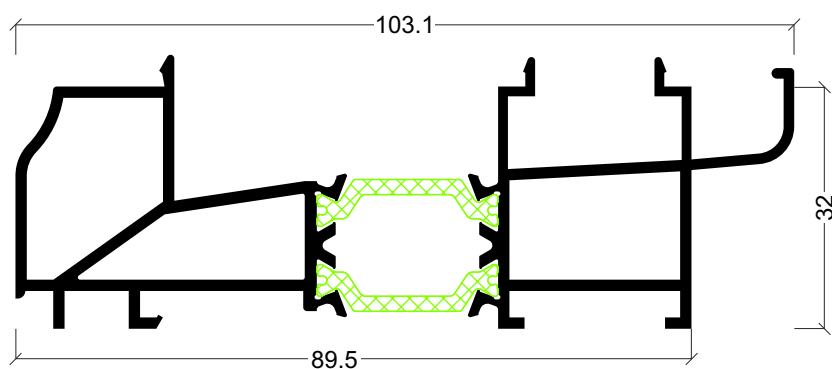
AX-15
Bite remate



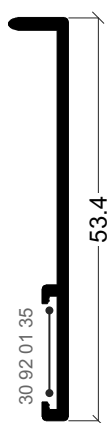
AZ-79
Pingadeira



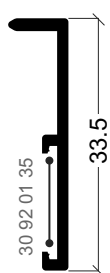
ARi-50
Soleira condensation with drip



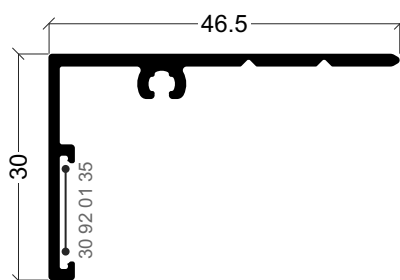
ARi-56
Soleira condensation tradition



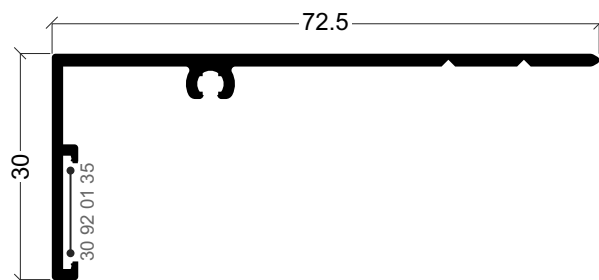
AXi-91
Complemento remate



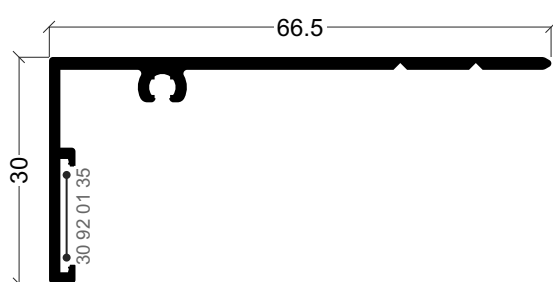
AXi-88
Complemento remate



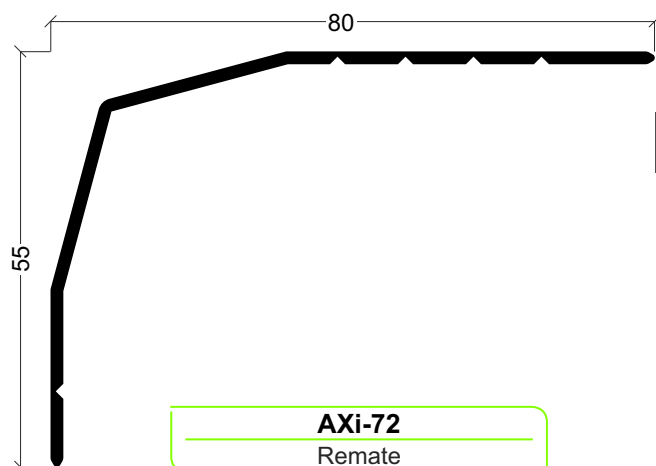
AXi-80
Remate



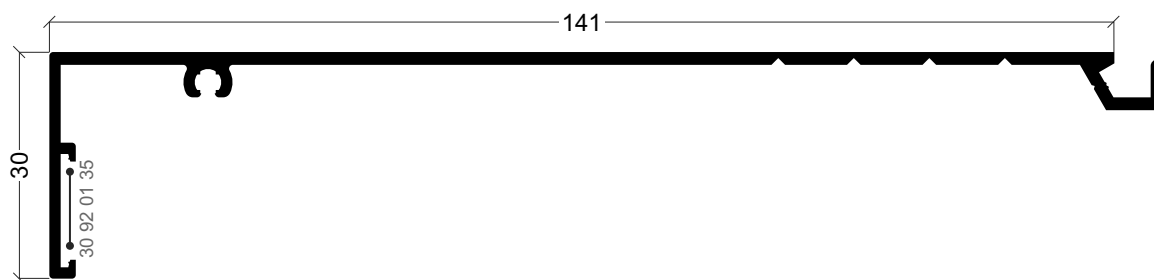
AXi-83
Remate



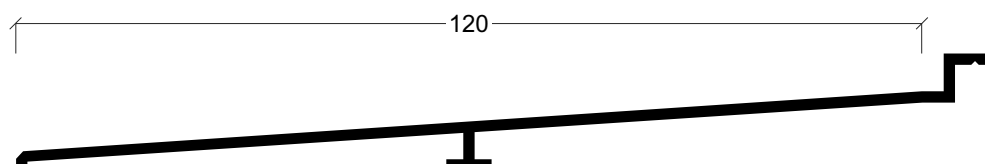
AXi-73
Remate



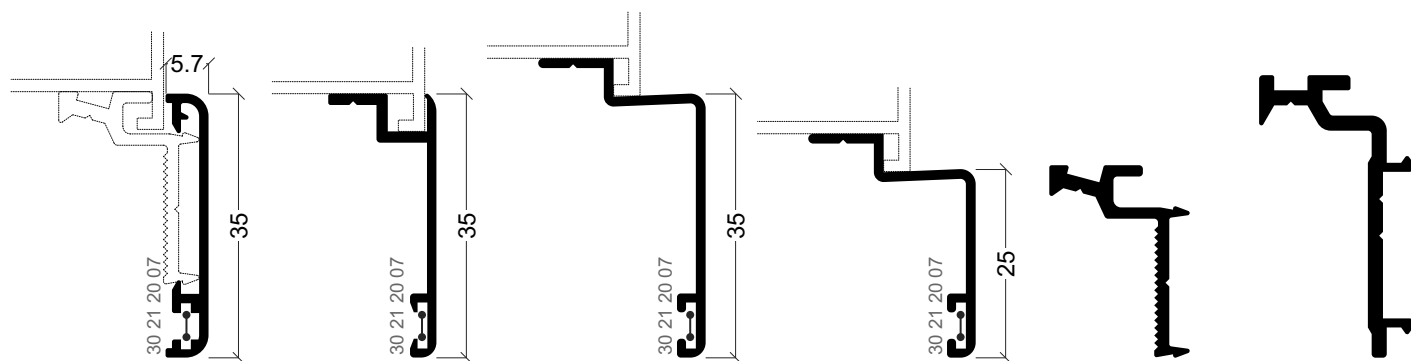
AXi-72
Remate



S-09
Remate



AZ-24
Pingadeira 120 mm



ARi-30
Tapa juntas

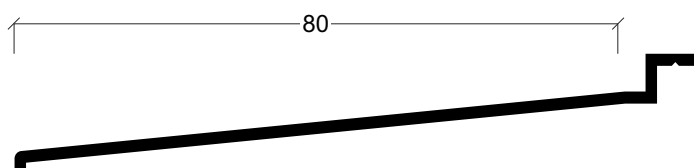
ARi-31
Tapa juntas

ARi-37
Tapa juntas

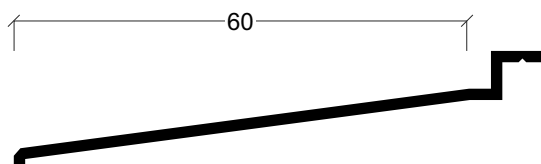
ARi-66
Tapa juntas

ARi-24
Mola tapa juntas

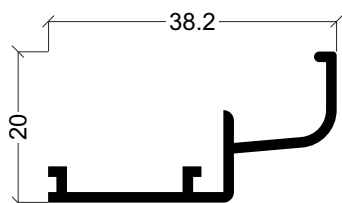
ARi-26
Mola tapa juntas



AZ-30
Pingadeira 80 mm



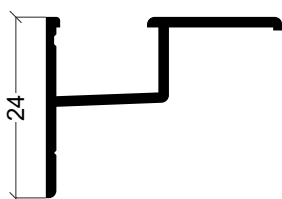
AZ-23
Pingadeira 60 mm



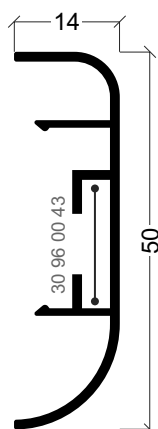
ARi-32
Complemento condensação



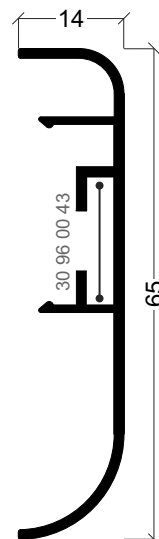
AXi-32
Complemento abertura projectante



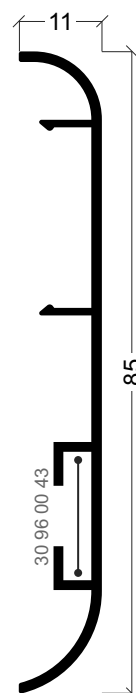
Y-20
Recolha de águas condensação



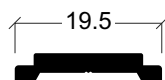
ARi-27
Tapa juntas



ARi-34
Tapa juntas



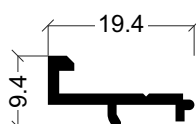
ARi-28
Tapa juntas



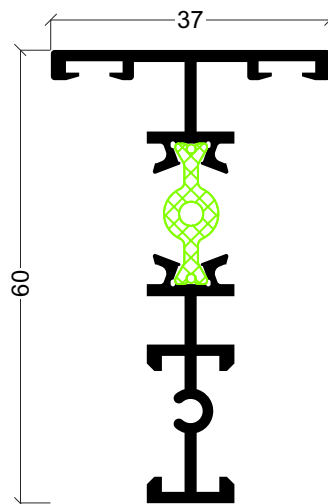
AX-19
Vareta



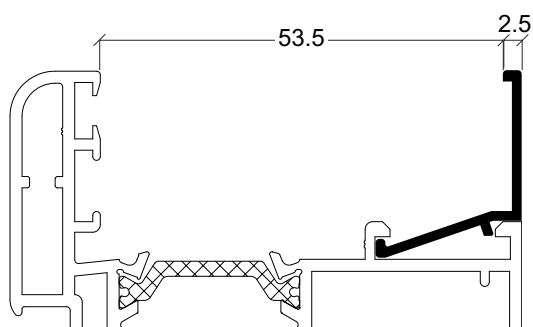
AX-33
Mola Bite



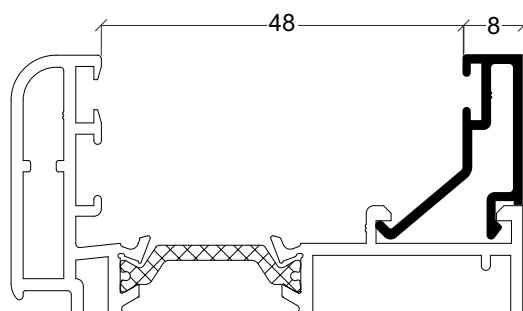
ARi-29
Apoio bite ARi-07



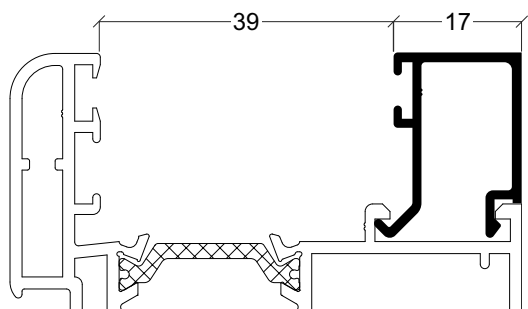
ARi-40
Divisor de vidro



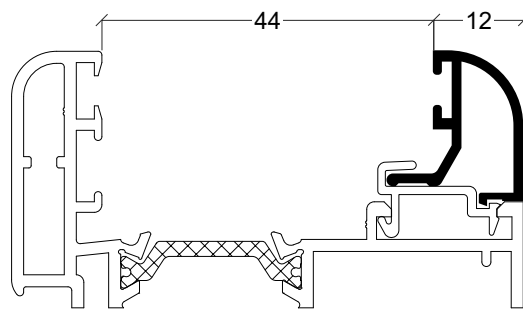
AX-69



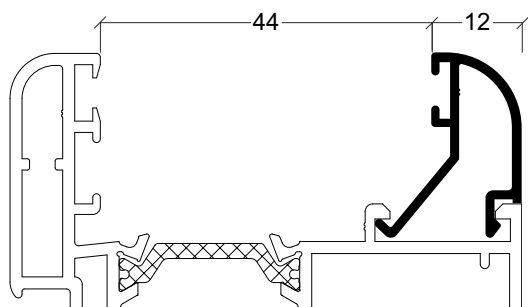
AX-74



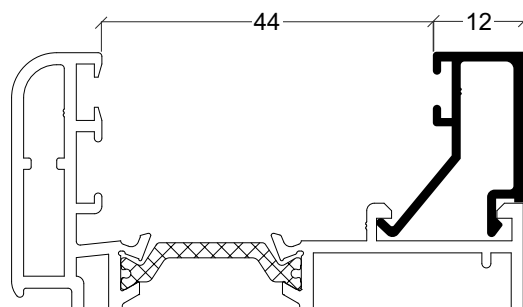
AX-46



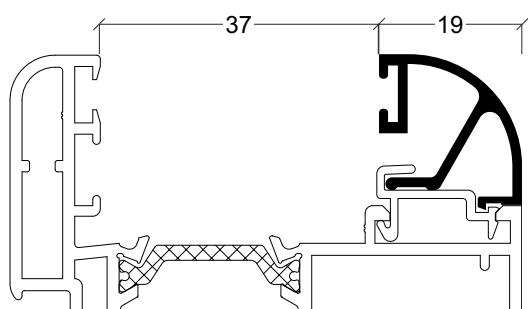
AX-37



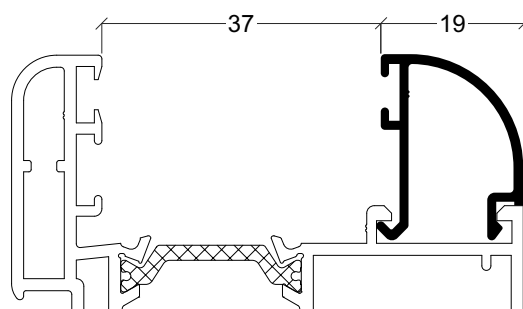
AZ-08



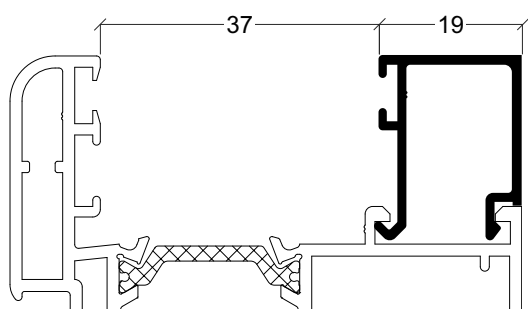
AX-36



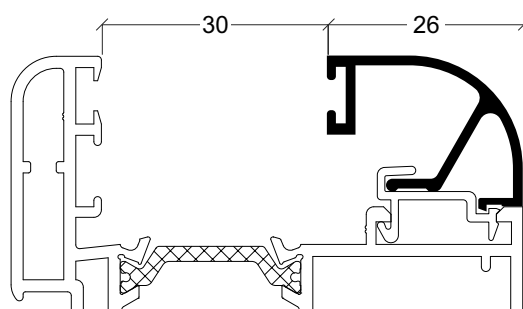
AX-30



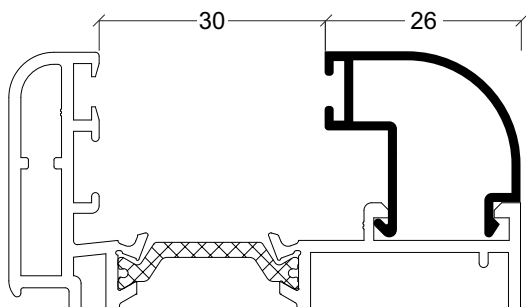
AZ-07



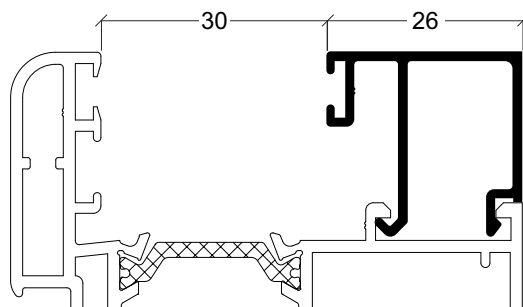
AX-35



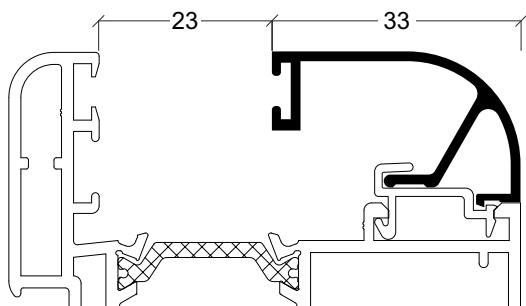
AX-29



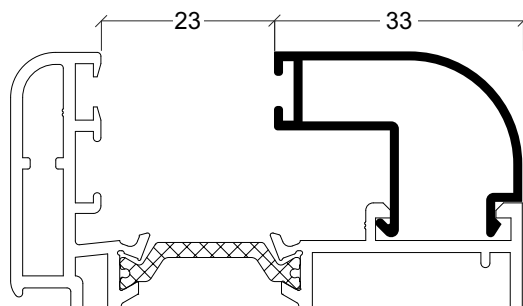
AZ-06



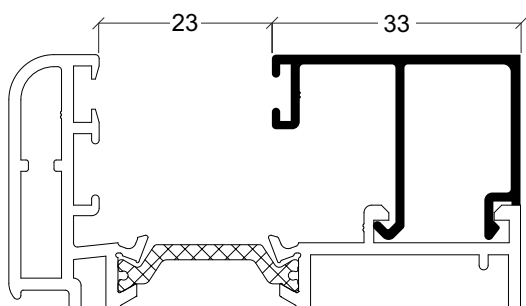
AX-31



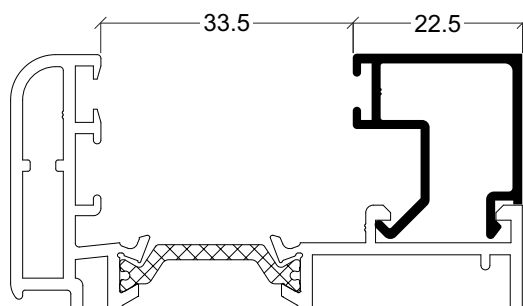
AX-39



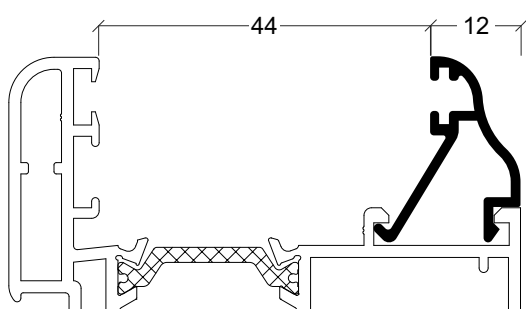
AZ-28



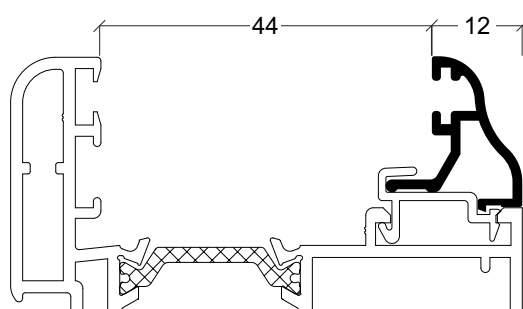
AX-34



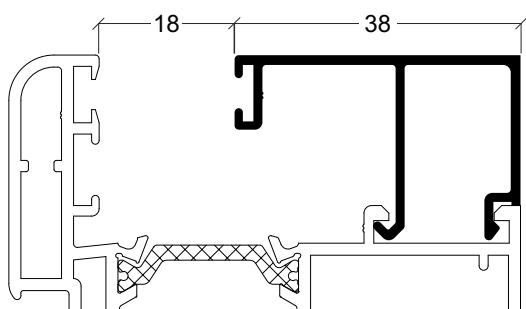
AX-78



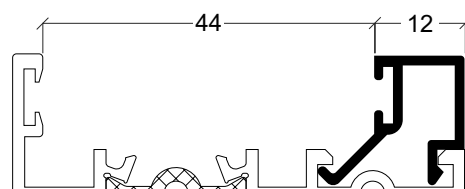
AX-73



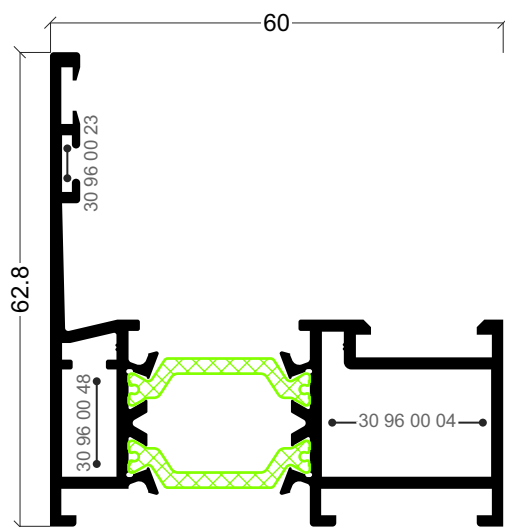
AX-72



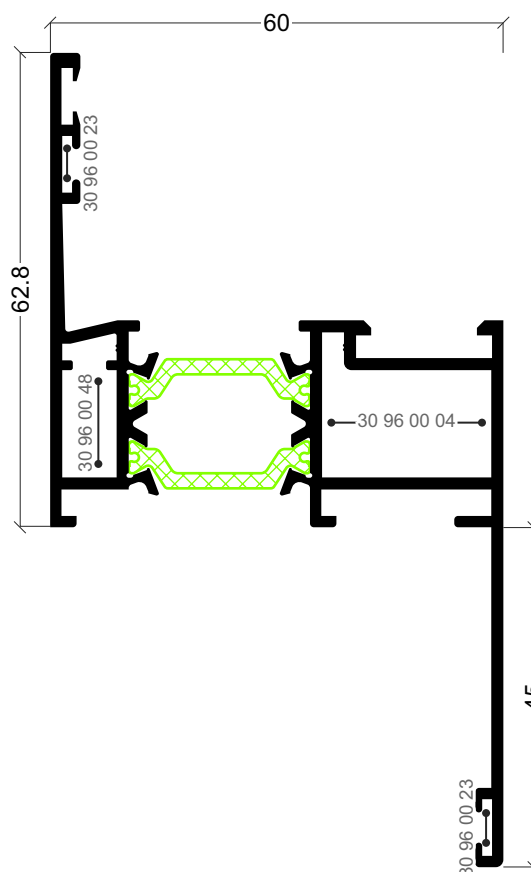
AX-32



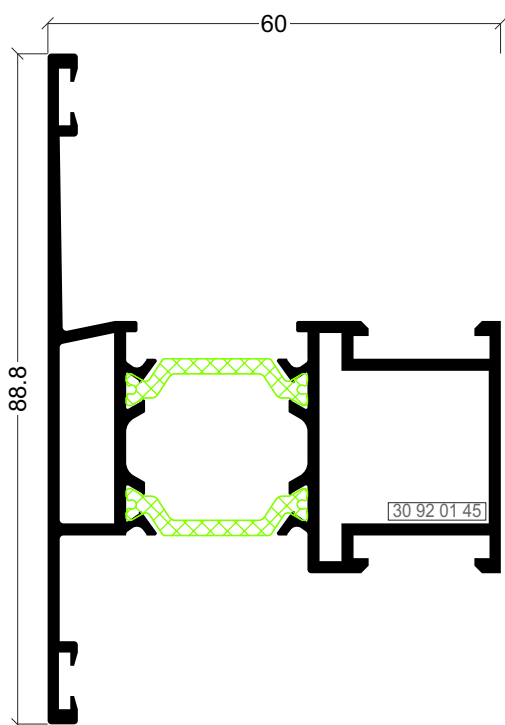
AX-70



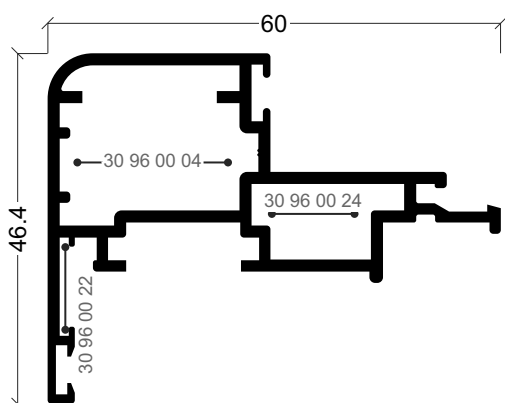
ARi-43
Aro fixo folha oculta



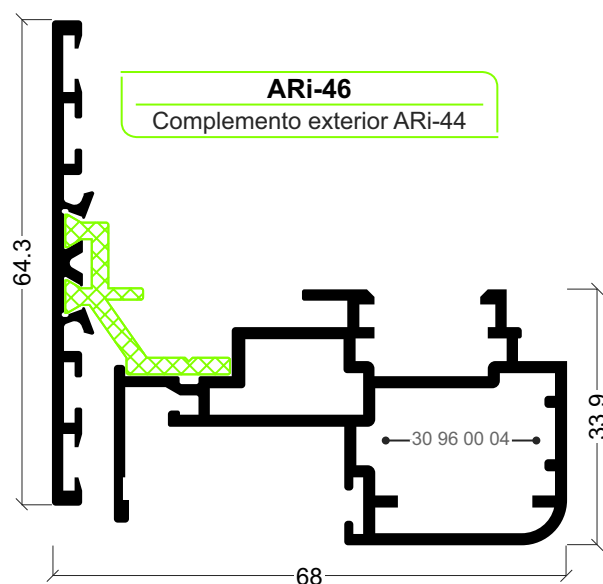
ARi-42
Aro fixo com remate folha oculta



ARi-41
Travessa folha oculta

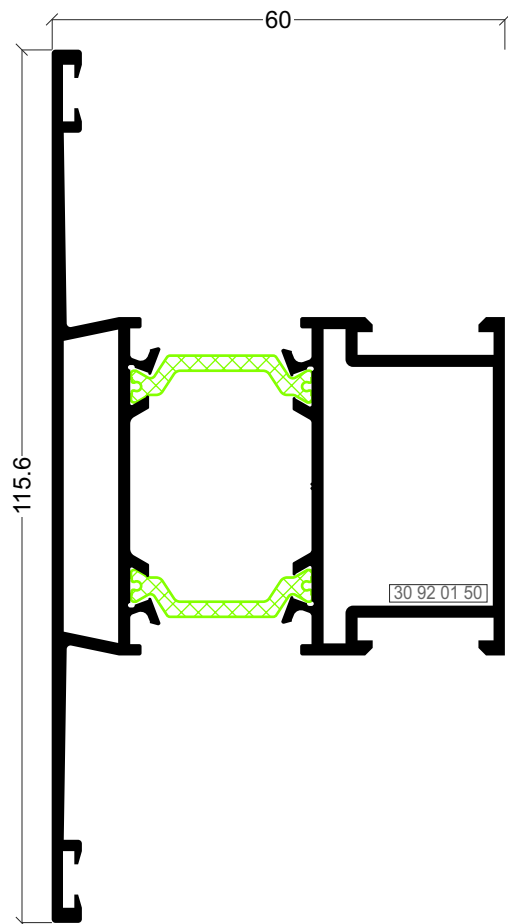


ARi-45
Aro móvel folha oculta



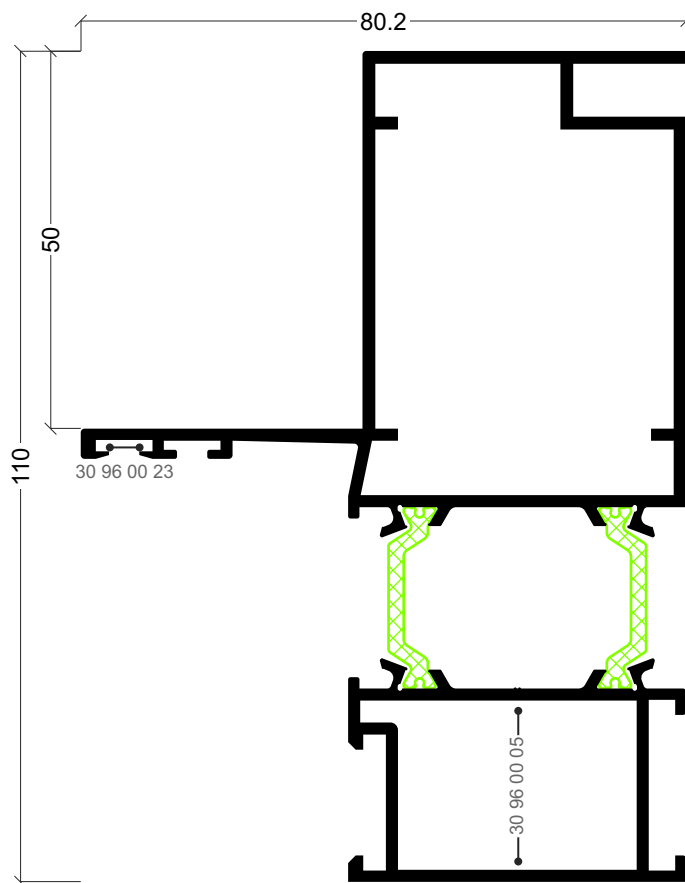
ARi-46
Complemento exterior ARi-44

ARi-44
Aro móvel inversor folha oculta



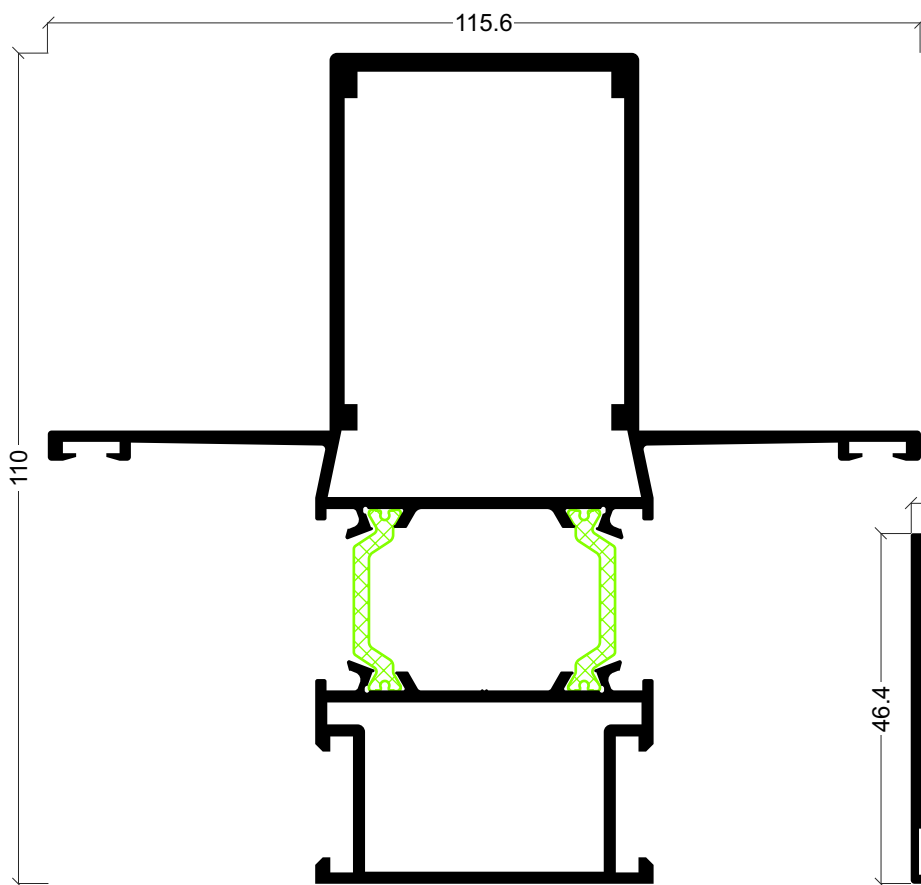
ARi-70

Travessa



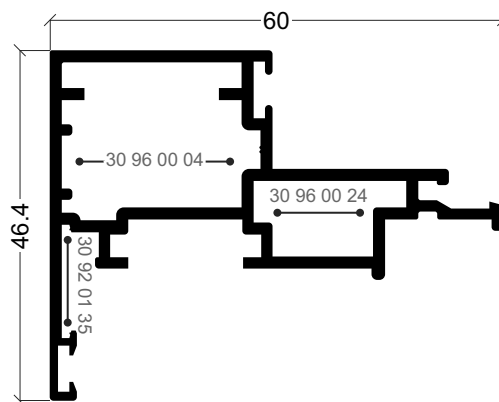
ARi-55

Aro fixo montante



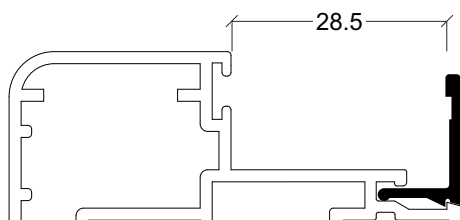
ARi-54

Montante

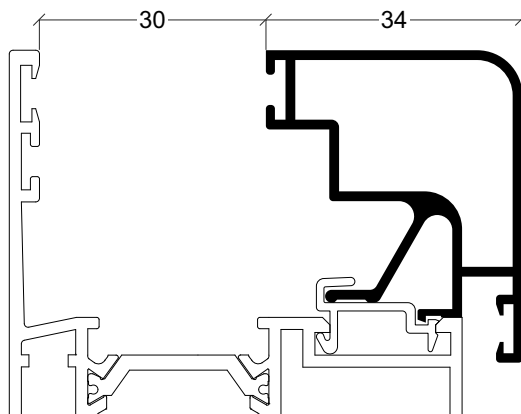


ARi-71

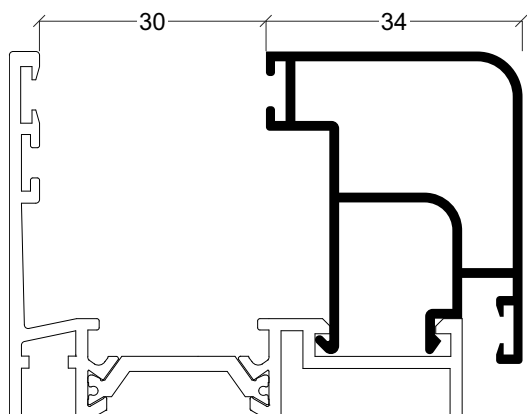
Móvel para vãos de 1 folha ou 1 folha + fixo



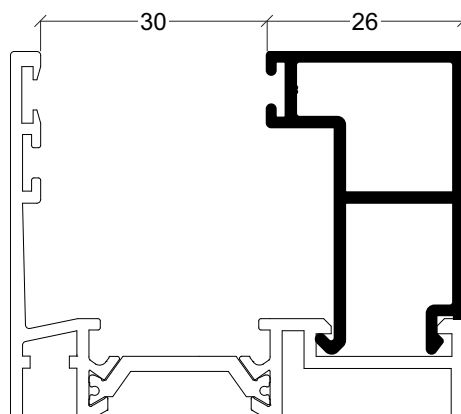
ARi-47



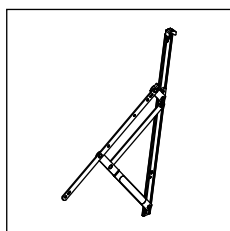
ARi-53



ARi-52

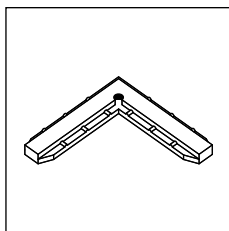


ARi-48



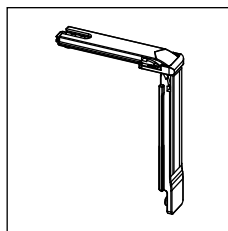
30 00 95 71

Compasso projectante
deslizante até 100 kg/folha



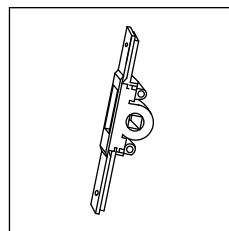
30 21 20 07

Esquadro de
alinhamento



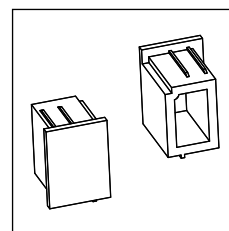
30 90 20 42

Ângulo de reenvio



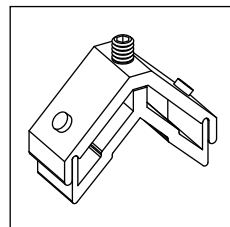
30 90 20 44

Transmissão para
abertura exterior



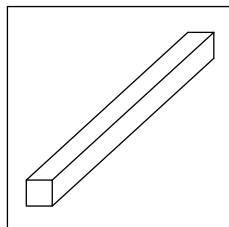
30 91 21 20

Jogo topos condensação
para Y-20



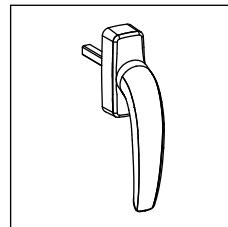
30 91 40 15

Esquadro aro fixo ARI-38



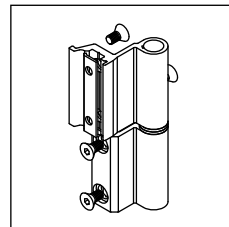
30 91 41 23

Perno 7x131 mm



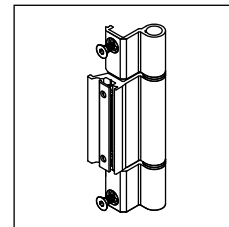
30 91 41 47/48

Cremone pivotante especial
branco/preto



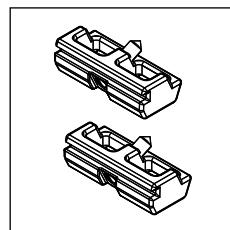
30 92 00 20/21

Dobradiça C.E. branco/
preto



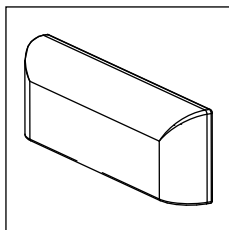
30 92 00 26/27/28

Dobradiça três nós
(bruto/branco/preto)



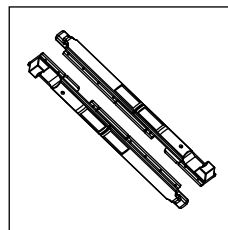
30 92 00 50

Contra-fecho



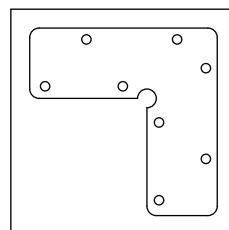
30 92 01 00/01

Goteiras preto/branco



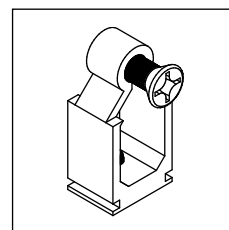
30 92 01 20

Jogo fecho C.E.



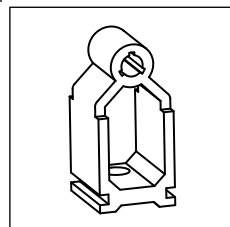
30 92 01 35

Esquadro alinhamento
móvel



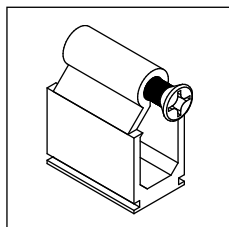
30 92 01 40

União topos janela



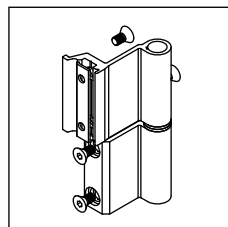
30 92 01 45

União topos janela folha
oculta



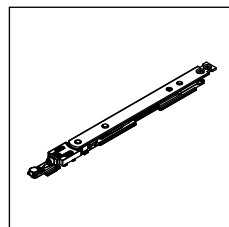
30 92 01 50

União topos porta



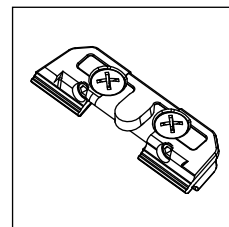
30 92 01 70/80

Dobradiça 3 folhas
branco/preto



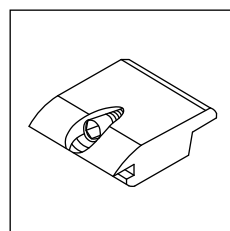
30 92 02 10/11/12

Compasso oscilo
300/400/500



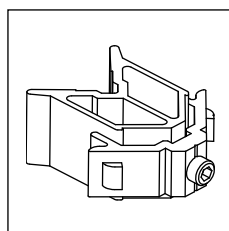
30 92 02 15

Fecho para micro-
ventilação



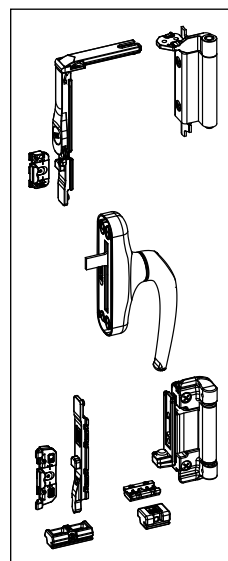
30 92 02 60

Apoio da folha



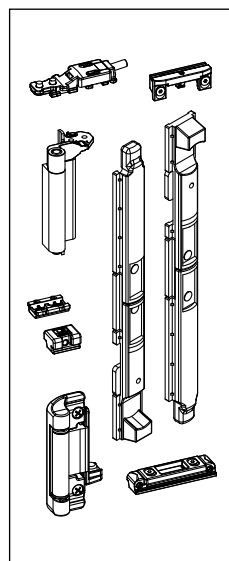
30 92 03 90

Esquadro porta



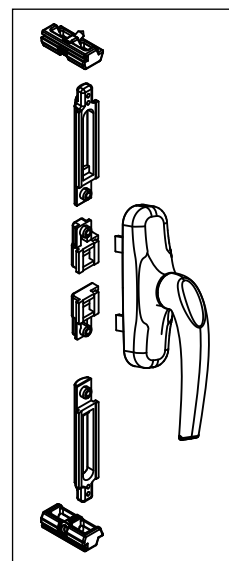
30 92 02 20/21

Kit oscilobatente branco/
preto



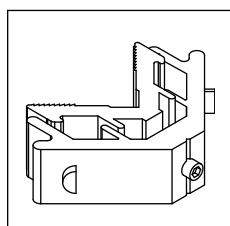
30 92 02 24/25

Kit 2ª folha OB branco/
preto



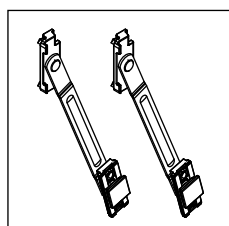
30 92 03 10/11

Kit cremone branco/preto



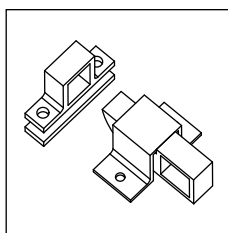
30 92 04 25

Esquadro ARI-80



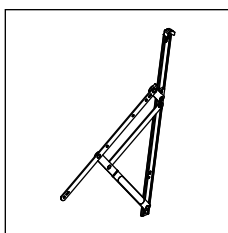
30 92 04 75

Jogo compasso
basculante



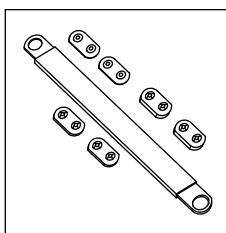
30 92 04 76/77

Fecho clack (branco/
preto)



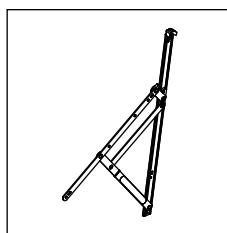
30 92 04 80

Compasso projectante
deslizante até 50 kg/folha



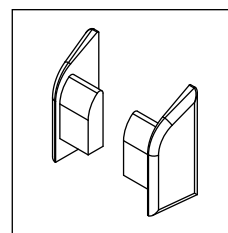
30 92 04 85

Jogo compasso



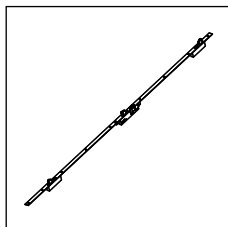
30 92 04 90

Compasso projectante
deslizante até 70 kg/folha



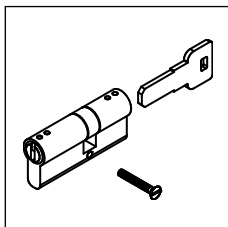
30 92 05 00

Jogo topos



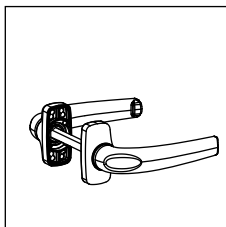
30 92 05 10

Fechadura 3 pontos
(35 mm)



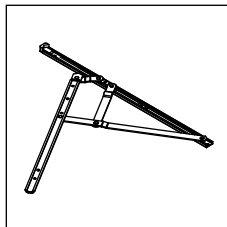
30 92 05 50

Canhão fechadura



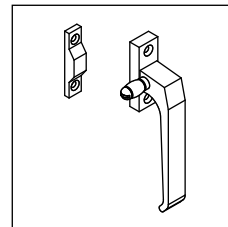
30 92 05 60/61

Puxador duplo branco/
preto



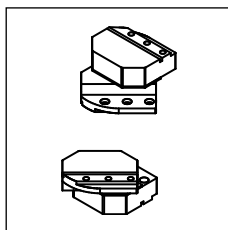
30 92 06 00

Compasso projectante
deslizante até 20 kg/folha



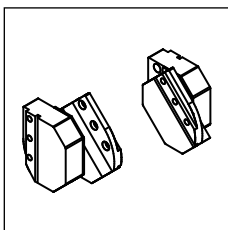
30 92 06 10/11

Cremone de lingueta
branco/preto



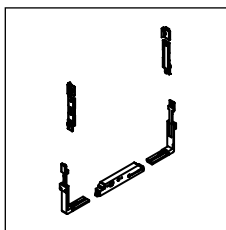
30 92 07 12

Jogo pivotante vertical
especial ARi preto (130 kg)



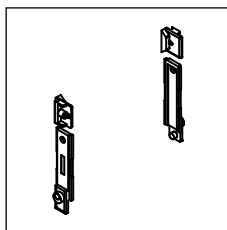
30 92 07 13

Jogo pivotante horizontal
especial ARi preto (130 kg)



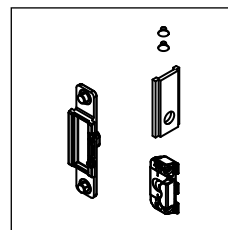
30 92 07 16

Fecho perimetral
pivotante especial



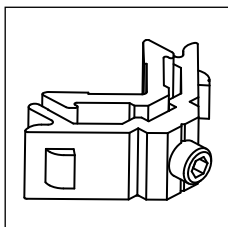
30 92 07 17

Fecho suplementar
pivotante especial



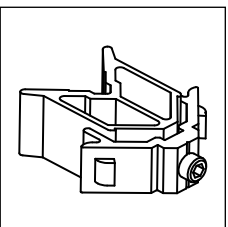
30 92 22 43

Ponto fecho suplementar



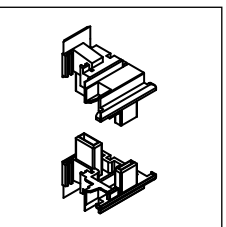
30 96 00 04

Esquadro janela



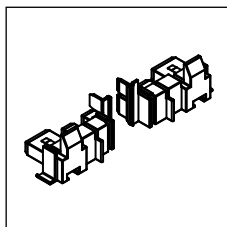
30 96 00 05

Esquadro aro fixo porta



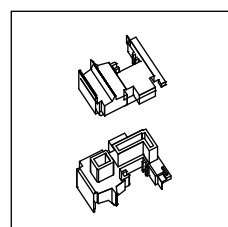
30 96 00 08

Jogo topos inversor ARi



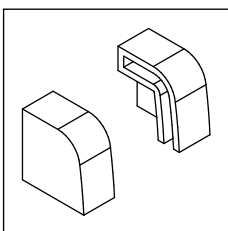
30 96 00 10

Jogo topos ARi-23



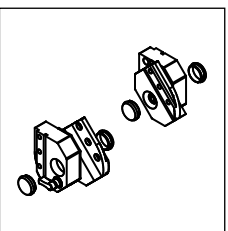
30 96 00 11

Jogo topos inversor
abertura exterior ARi-15



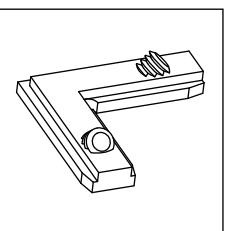
30 96 00 12

Jogo topos condensação



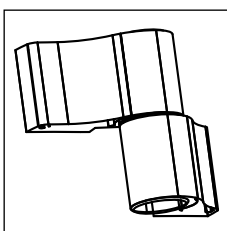
30 96 00 13

Jogo pivotante (60 kg)



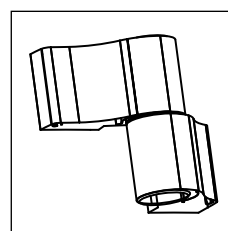
30 96 00 15

Esquadro alinhamento
móvel



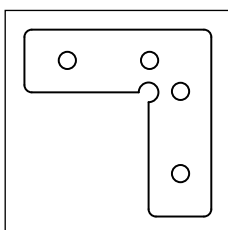
30 96 00 16/20

Dobradiça lisa (branco/
preto)



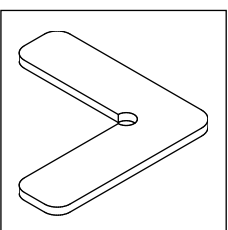
30 96 00 17/21

Dobradiça com ressalto
(branco/preto)



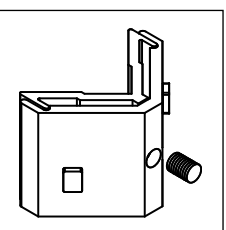
30 96 00 22

Esquadro alinhamento
especial



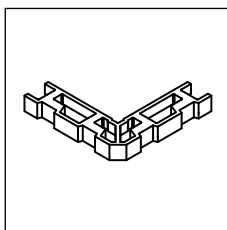
30 96 00 23

Esquadro alinhamento
aro fixo



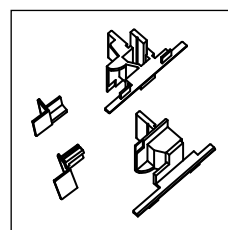
30 96 00 24

Esquadro exterior móvel
folha oculta



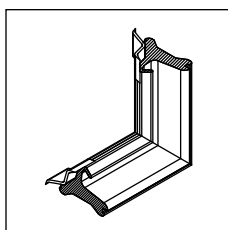
30 96 00 25

Esquadro exterior aro
fixo



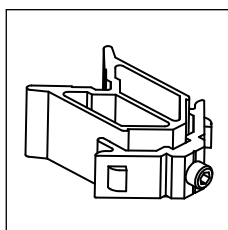
30 96 00 26

Jogo topos inversor folha
oculta



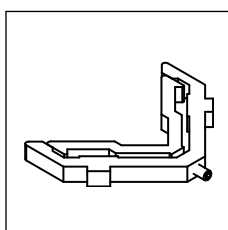
30 96 00 35

Canto vulcanizado



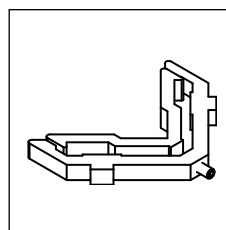
30 96 00 36

Esquadro aro móvel porta



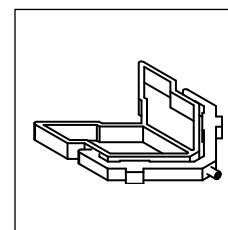
30 96 00 38

Esquadro alinhamento móvel janela



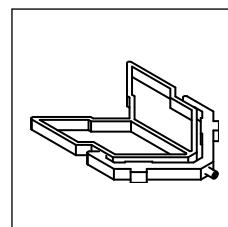
30 96 00 39

Esquadro para alinhamento fixo janela



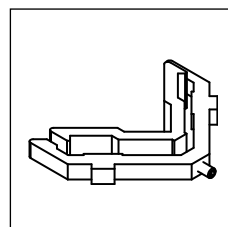
30 96 00 40

Esquadro alinhamento aro fixo porta



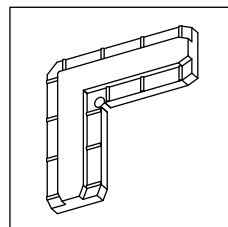
30 96 00 41

Esquadro alinhamento aro móvel porta



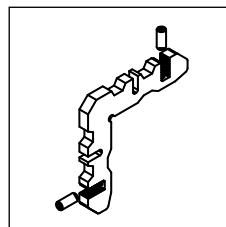
30 96 00 42

Esquadro perfil ARI-07



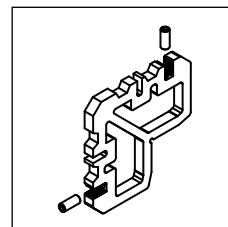
30 96 00 43

Esquadro alinhamento



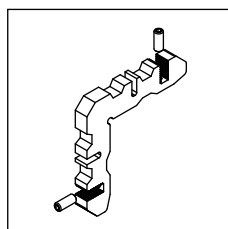
30 96 00 45

Esquadro de alinhamento 5.2x14 com parafusos



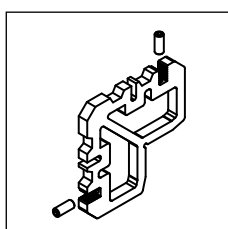
30 96 00 46

Esquadro de alinhamento 5.2x36 com parafusos



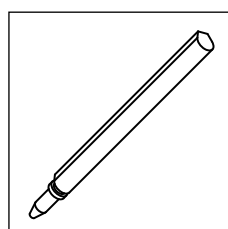
30 96 00 48

Esquadro de alinhamento 7x14 c/ parafusos



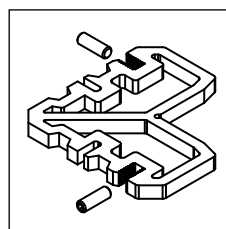
30 96 00 49

Esquadro de alinhamento aro fixo com parafusos



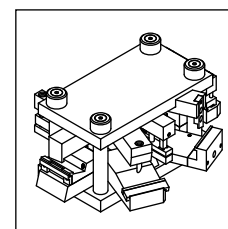
30 96 00 55

Perno alternativo para fixação de esquadro



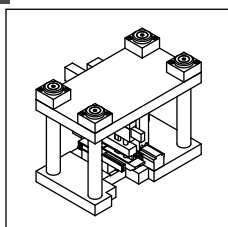
30 96 00 60

Esquadro de alinhamento 5.2x31.6 com parafusos



33 96 79 99

Cunho C.E.

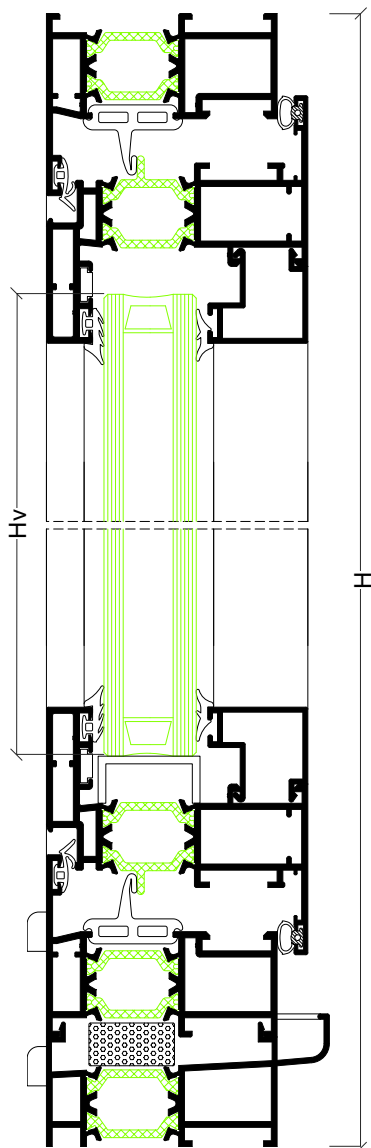
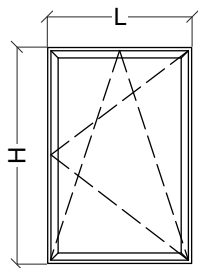


33 96 87 99

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 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

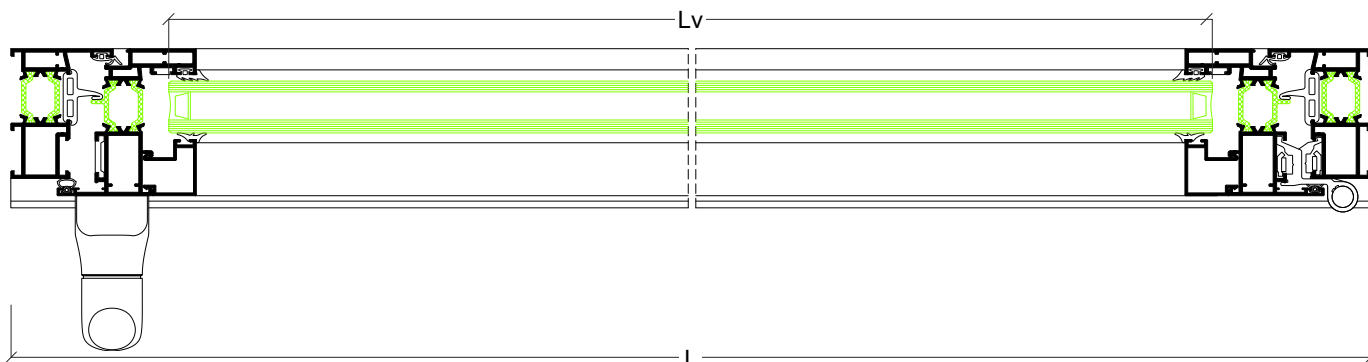
Acessórios e Juntas

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	

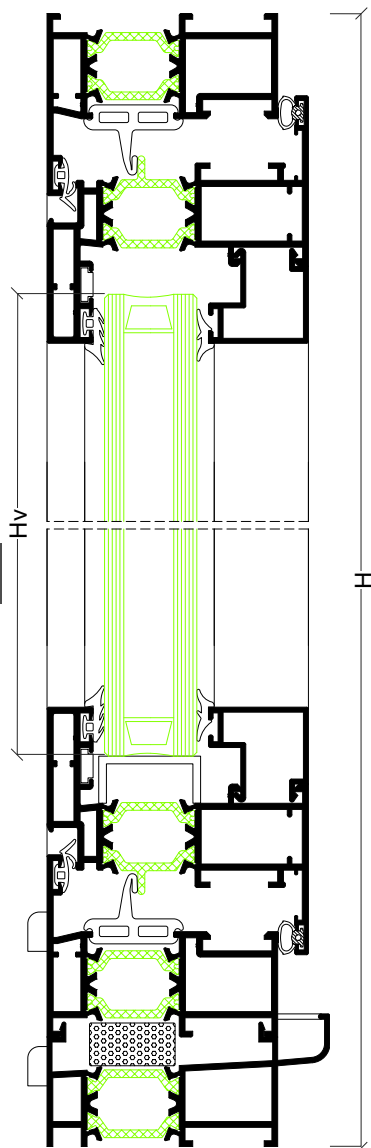
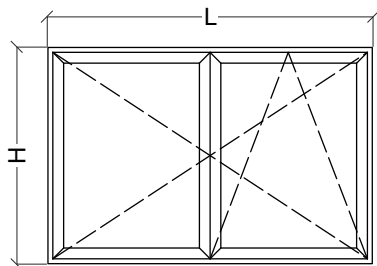
81

Vidro

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



Perfis

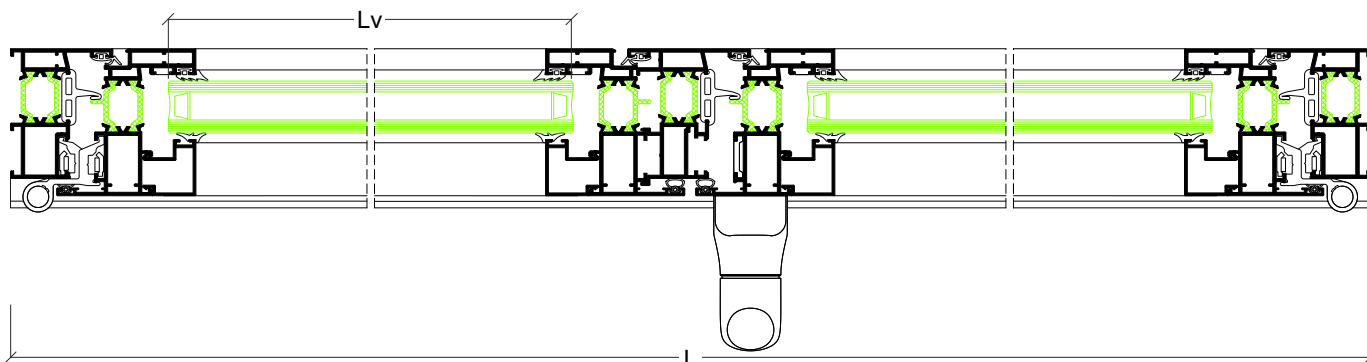
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-03	Aro fixo		2	L
				2	H-28.5 mm
	ARi-61	Aro móvel		2	L/2-24 mm
				2	H-71.5 mm
	ARi-04	Inversor		1	H-139.5 mm
	---	Bite		4	L/2-113 mm
				4	H-200.5 mm
	CT-11	Soleira condensação		1	L
	AX-19	Vareta		1+1	Apro. H+L

Acessórios e Juntas

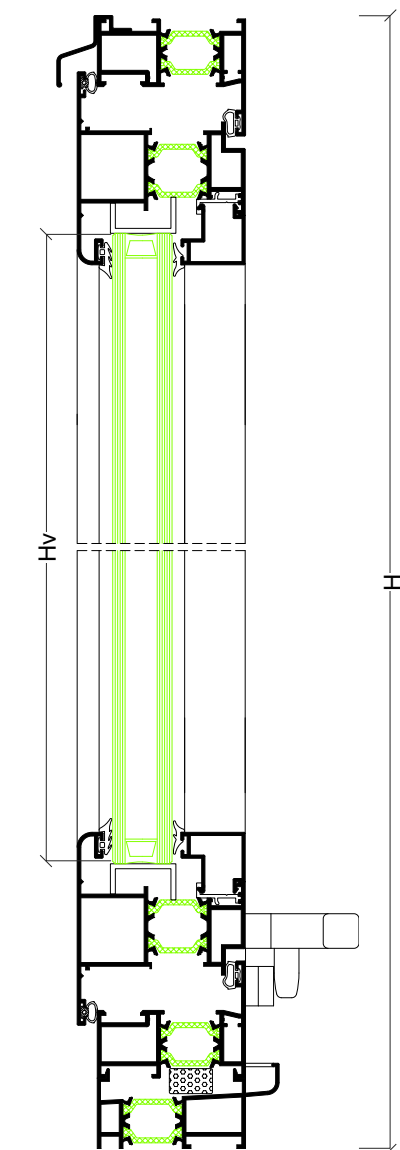
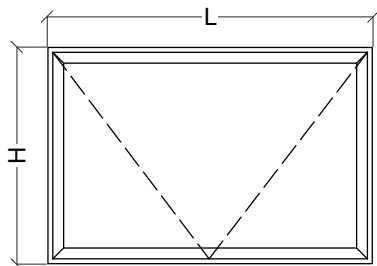
Referência	Descrição	Quantidade	
		Abrir	Oscilo-batente
30 92 00 20	Dobradiças C.E.	4	---
30 92 01 00	Goteiras	4	4
30 92 01 20	Jogo fecho C.E.	1	---
30 92 02 XX	Compasso O.B.	---	1
30 92 02 20	Kit oscilo-batente	---	1
30 92 02 24	Kit 2ª folha oscilo-batente	---	1
30 92 02 60	Apoio da folha	1	---
30 92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

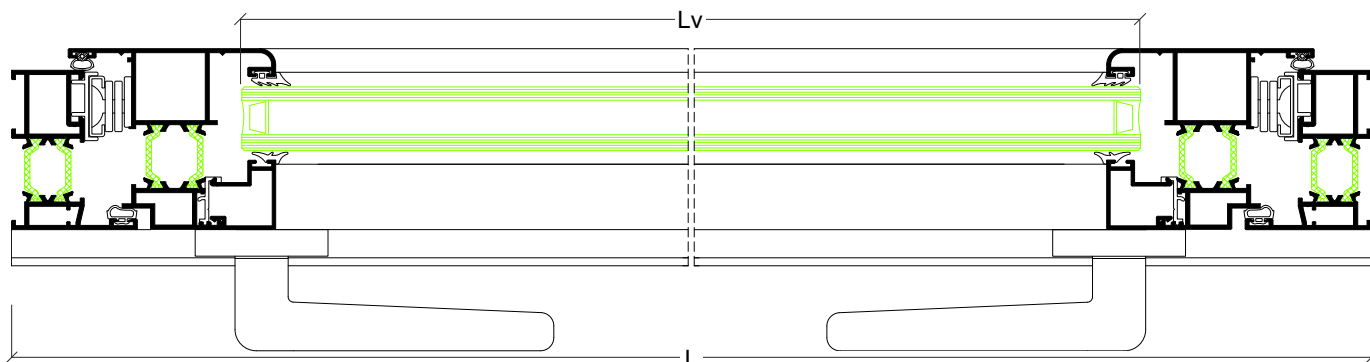
Acessórios e Juntas

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

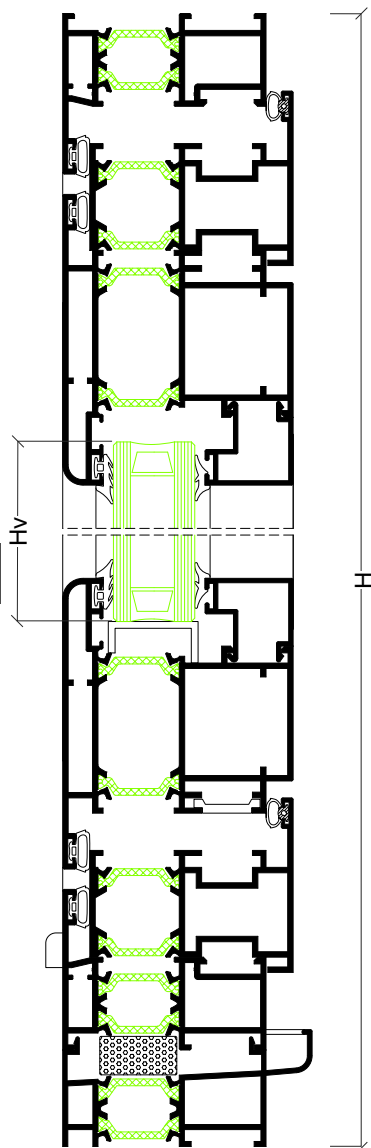
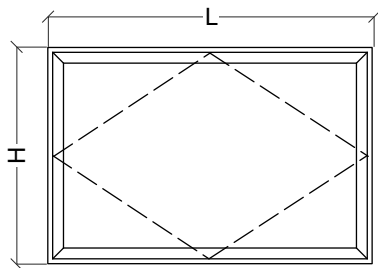
83

Vidro

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



Perfis

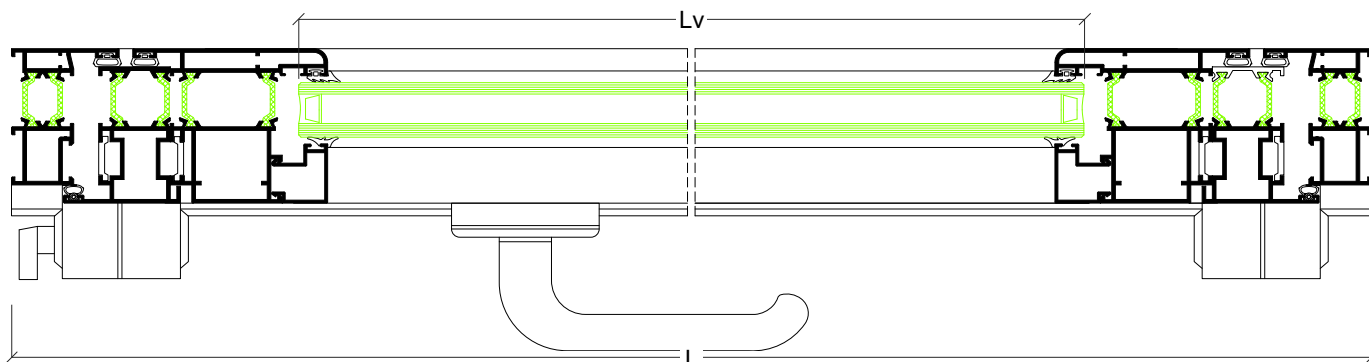
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-03	Aro fixo		2	L
				2	H-28.5 mm
	ARi-25	Aro móvel abertura exterior		2	L-107 mm
				2	H-135.5 mm
	ARi-14	Inversor pivotante superior		1	L-46 mm
				2	H/2-23 mm
	ARi-14	Inversor pivotante inferior		1	L-46 mm
				2	H/2-51.5 mm
	---	Bite		2	L-239 mm
				2	H-307.5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

Acessórios e Juntas

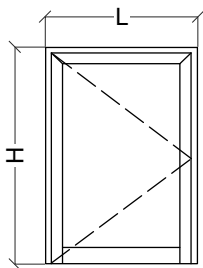
Referência	Descrição	Quantidade
30 92 01 00	Goteiras	4
30 94 50 10	Esquadro inversor	4
30 96 00 04	Esquadro janela	4
30 96 00 05	Esquadro móvel	4
30 96 00 48	Esquadro alinhamento exterior janela	4
30 96 00 12	Jogo topos condensação	1
30 92 07 13	Jogo pivotante horizontal	1
30 92 07 16	Fecho perimetral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

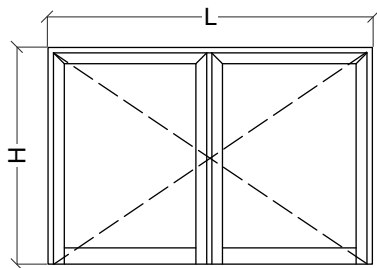
Acessórios e Juntas

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

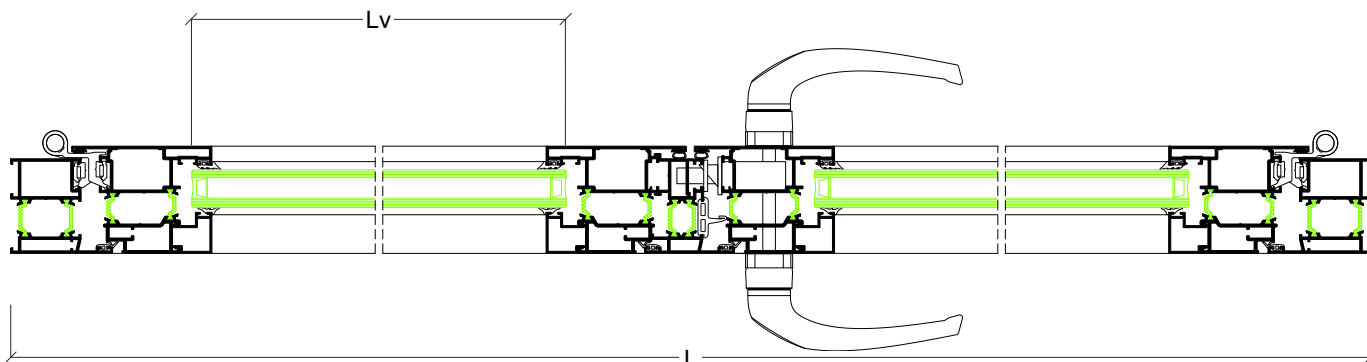
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-08	Aro fixo		1	L
				2	H
	ARi-72	Aro móvel abertura exterior		2	L/2-41.5 mm
				4	H-44 mm
	ARi-04	Inversor		1	H-78 mm
	ARi-12	Travessa		1	L/2-169.5 mm
	AX-15	Bite remate		2	L/2-160.5 mm
	---	Bite		4	L/2-179 mm
				4	H-253 mm
	AZ-60	Pingadeira		1	L/2-112.5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

Acessórios e Juntas

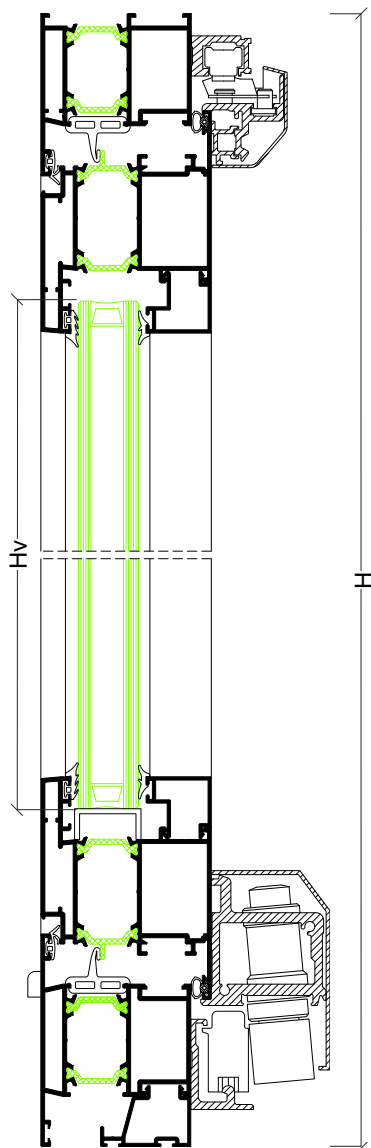
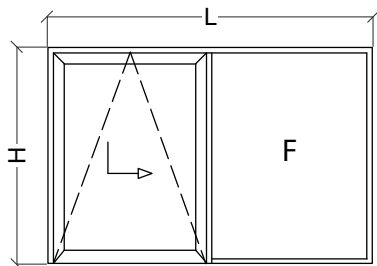
Referência	Descrição	Quantidade
30 92 01 20	Jogo fecho C.E.	1
30 92 05 10	Fechadura 3 pontos	1
30 92 05 50	Canhão fechadura	1
30 92 05 60	Puxador duplo	1
30 96 00 05	Esquadro porta	2
30 96 00 08	Jogo topos inversor	1
30 92 00 20	Dobradiça C.E.	6
30 95 00 10	Pelúcia 7x9 mm	2L
30 95 05 00	Jogo topos AZ-60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



Perfis

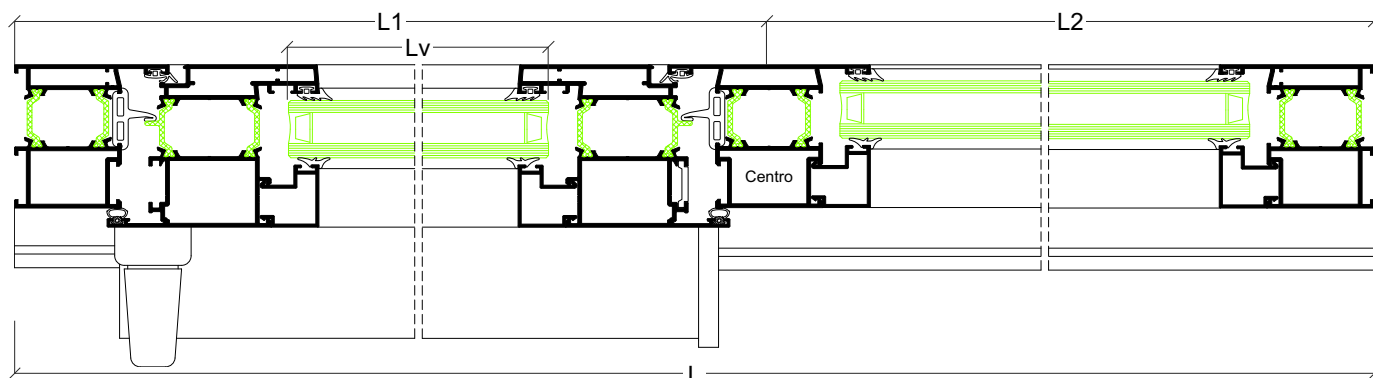
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-08	Aro fixo		1	L
				2	H
	ARi-06	Travessa		1	L-80.5 mm
				1	H-100.5 mm
	ARi-36	Aro móvel		2	L1-55.5 mm
				4	H-98 mm
	---	Bite (folha)		2	L1-193 mm
				2	H-275.5 mm
	---	Bite (fixo)		2	L2-67.5 mm
				2	H-150 mm
	AX-15	Bite remate		1	L-90 mm
	AX-19	Vareta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

Acessórios e Juntas

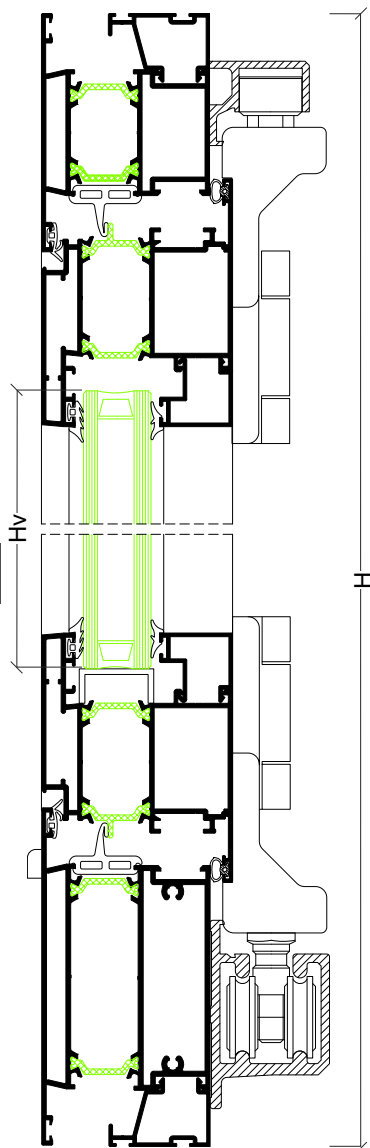
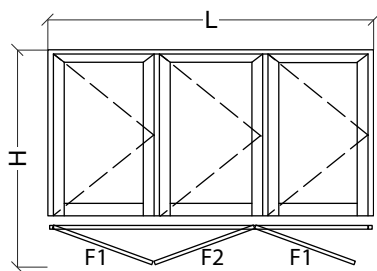
Referência	Descrição	Quantidade
30 92 01 00	Goteiras	4
30 92 01 35	Esquadro alinhamento móvel	4
30 92 01 50	União topos porta	4
30 96 00 05	Esquadro aro fixo	2
30 96 00 15	Esquadro alinhamento móvel	4
30 96 00 36	Esquadro aro móvel	4
30 96 00 46	Esquadro alinhamento exterior aro móvel	4
30 96 00 49	Esquadro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

Vidro

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



Porta 3 folhas harmónio



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Perfis

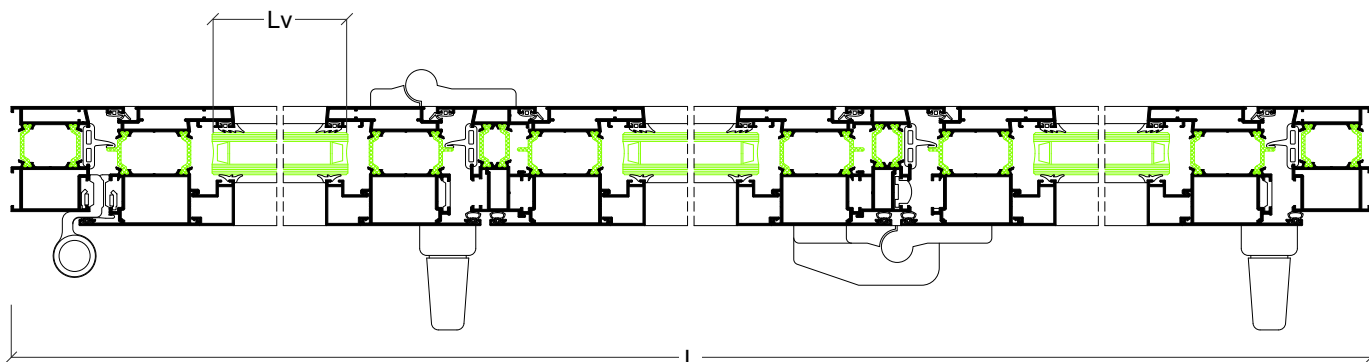
Desenho	Ref	Descrição	Corte	Quant	Medida
	ARi-08	Aro fixo		2	H
	ARi-06	Travessa		1	L-80.5 mm
	ARi-12	Travessa		1	L-80.5 mm
	ARi-36	Aro móvel		6	consultar
				6	consultar
	ARi-04	Inversor		2	consultar
	---	Bite (folha)		6	consultar
				6	consultar
	AX-15	Bite remate		2	L-90 mm
	AX-19	Vareta		2	2H

Acessórios e Juntas

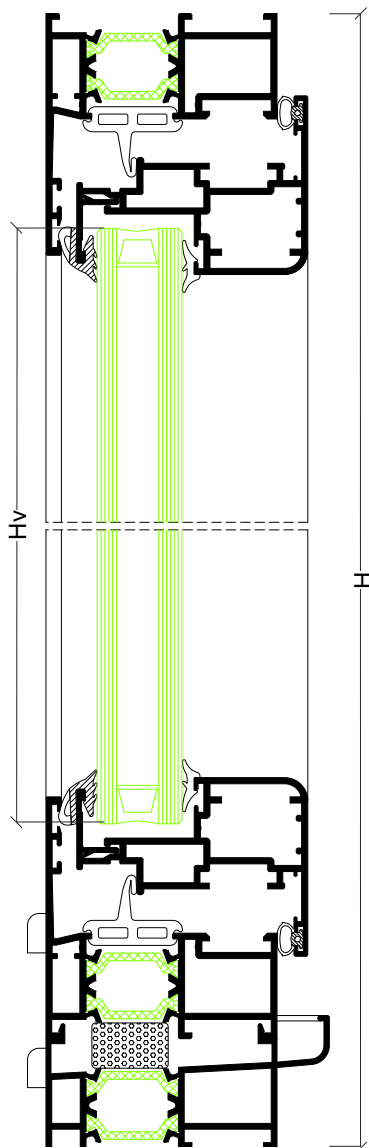
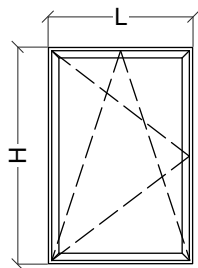
Referência	Descrição	Quantidade
30 92 01 00	Goteiras	6
30 92 01 35	Esquadro alinhamento aro móvel	12
30 96 00 08	Jogo topos inversor	2
30 96 00 15	Esquadro alinhamento aro móvel	12
30 96 00 36	Esquadro aro móvel porta	12
30 96 00 46	Esquadro alinhamento exterior aro porta	12
---	Kit harmónio (3+0)	1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

Vidro

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



Janela 1 folha abrir e oscilo-batente



Perfis

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

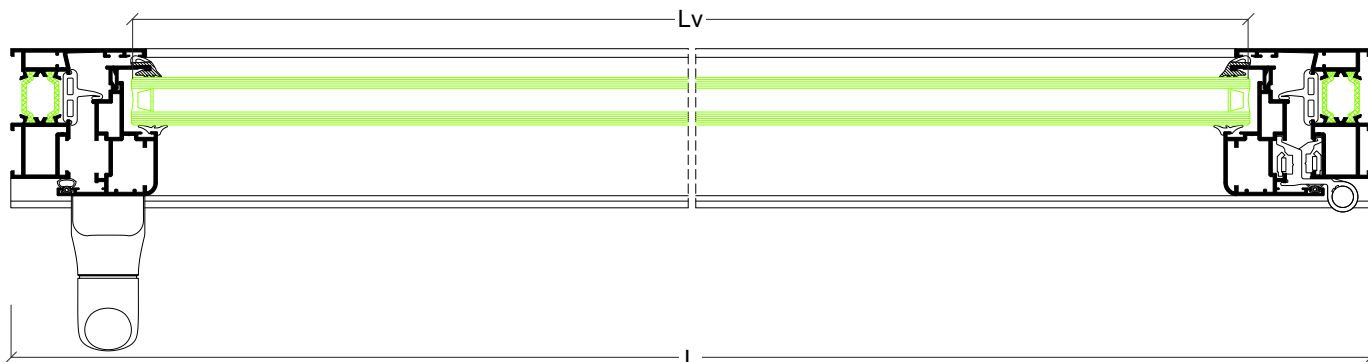
Acessórios e Juntas

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 22	Esquadro alinhamento aro móvel	4	4
30 96 00 24	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 ocluta	2L+2H	
30 96 00 03	Junta central	2L+2H	
30 93 01 20	Junta interior	2L+2H	
---	Junta interior vidro	2L+2H	

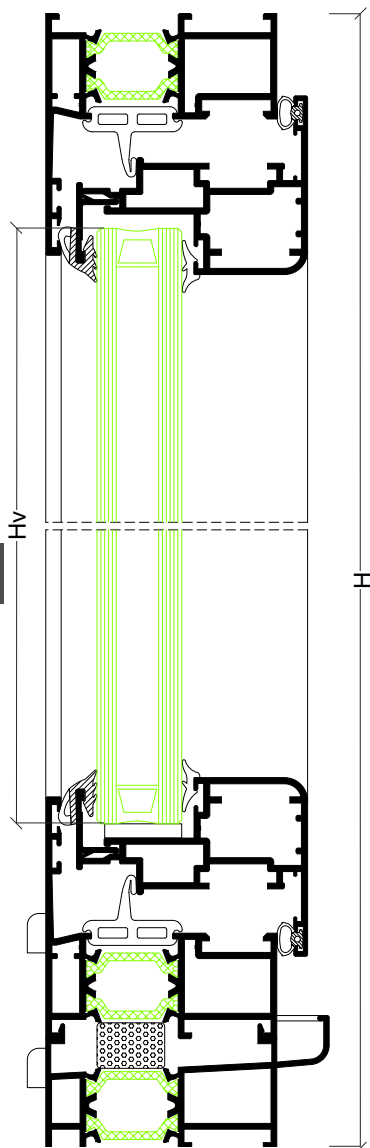
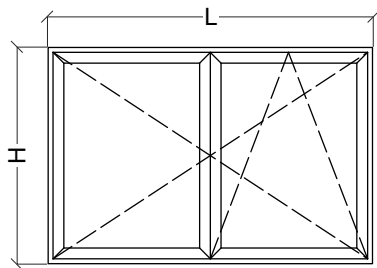
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Vidro

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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