

DESCRIÇÃO TÉCNICA SISTEMA RT-45

ALUMÍNIO

Normativa comunitária para perfis extrudidos especiais em ligas **AW-6060 e AW-6063**, **fabricados com ou sem corte térmico**.

UNE-EN 12020-1:2001. Condições técnicas de inspeção e fornecimento.

UNE-EN 12020-2:2001. Tolerâncias dimensionais e de forma.

DIMENSÕES

Profundidade das partes fixas de 45 mm, com perfis reforçados até 80 mm, de acordo com as necessidades estáticas;

Profundidade das partes móveis 52,5 mm;

Altura dos bites 22 mm

VIDRO

O SISTEMA RT-45 permite a colocação de vidros entre 6 e 31 mm

ESTANQUIDADE

A estanquidade ao ar e à água está assegurada por uma junta central de EPDM com apoio directo sobre o plano do perfil móvel e um vedante adicional no interior da folha móvel.

CLASSIFICAÇÕES

Testes realizados segundo normas UNE-EN:

Permeabilidade ao ar	Classe 4	UNE-EN 1026:2000
Estanquidade à água	Classe 9A	UNE-EN 1027:2000
Resistência ao Vento	Classe C4	UNE-EN 12211:2000

UTILIZAÇÃO

O sistema RT-45 permite a fabricação de fixos, portas e janelas com a possibilidade de realizar as principais aberturas de aro móvel, cremone, oscilo-batente, oscilo-paralela, e tipo livro.

ACABAMENTO DE SUPERFÍCIE

Os materiais podem ser fornecidos em bruto ou com diversos acabamentos, tanto superficiais (lacagem, anodização) como mecânicos (lixado, raspado, polido). A qualidade dos acabamentos está garantida pelos seguintes certificados:

ANODIZAÇÃO certificada de acordo com as normas **EUWAA-EURAS**

LACAGEM certificada de acordo com as normas **QUALICOAT**

ACESSÓRIOS

Para o fabrico da caixilharia existem acessórios exclusivos e acessórios "comerciais" recomendados pelo fabricante.

FABRICO E MONTAGEM

Para o fabrico e montagem da caixilharia devem seguir-se as indicações recomendadas pelo fabricante.



ENSATEC, S.L.
Pol. Ind. Lentiscare.
Avda Lentiscare 4-6
26370 NAVARRETE (LA RIOJA)
Tel. 941 25 04 66
Fax. 941 25 33 88

Certificado nº: 107318

ACREDITACIÓN



Certificado de Ensayos

Emitido a

EMPRESA: PERFIAL, S.A.
DIRECCIÓN: POL.IND.MIRALCAMPO, PARCELA 13A-13B.
AZUQUECA DE HENARES. GUADALAJARA
PRODUCTO: VENTANA ABATIBLE DE GIRO VERTICAL PRACTI-
CABLE AL INTERIOR DE DOS HOJAS DERECHA.
DIMENSIONES: 1'155 m x 1'160 m. SERIE RT-45

ENSAYO DE PERMEABILIDAD AL AIRE

UNE-EN 1026:2000

CLASIFICACIÓN:

CLASE 4

ENSAYO DE ESTANQUIDAD AL AGUA

UNE-EN 1027:2000

CLASIFICACIÓN:

CLASE 9A

ENSAYO DE RESISTENCIA AL VIENTO

UNE-EN 12211:2000

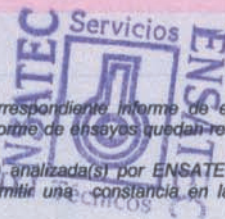
CLASIFICACIÓN:

CLASE C4

Este documento no es válido sin el correspondiente informe de ensayos cuyo número coincide con el del certificado. En este informe de ensayos quedan recogidos los resultados obtenidos en cada ensayo.

Estos sólo se refieren a la(s) muestra(s) analizada(s) por ENSATEC, S.L. en la fecha y producto arriba indicados, y pueden permitir una constancia en las prestaciones de la calidad de la producción.

Este certificado tiene una validez de un año a partir de la fecha de su emisión.



[Firma]
Firma y Sello

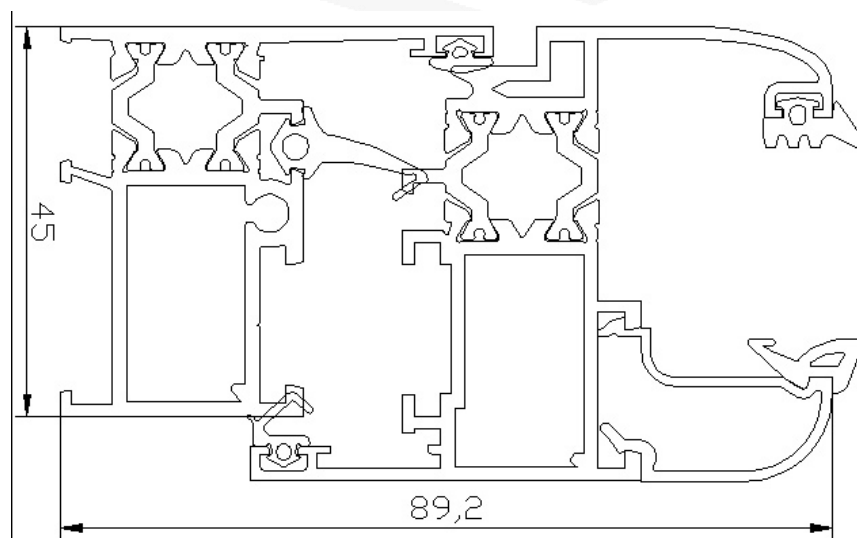
Logroño, 16 de Junio de 2003

Certificado de Ensayos

EMPRESA	DIRECCIÓN
PERFIAL S.A.	P.I. MIRALCAMPO C/PLÁSTICO, 10 A-B 19200 AZUQUECA DE HENARES (GUADALAJARA)
Nº CERTIFICADO	16445-(6)

PERFILES DE ALUMINIO REF. «RT45 – SECCIÓN LATERAL-1»

ENSAYO	RESULTADO
SIMULACIÓN DEL COEFICIENTE DE TRANSMISIÓN TÉRMICA «U» (UNE EN ISO 10077-2:2003)	3,5



Serie RT45 – Sección lateral-1

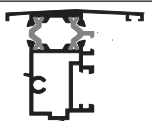
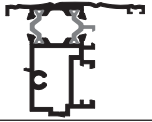
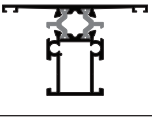
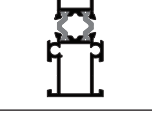
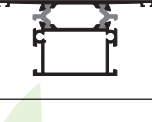
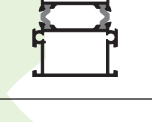
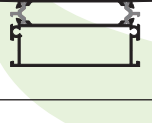
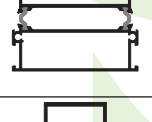
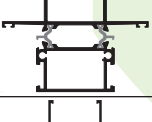
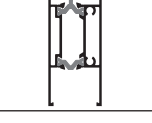
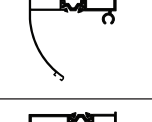
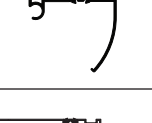
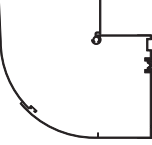
FECHA 11 de julio 2007

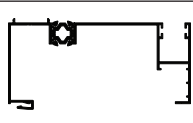
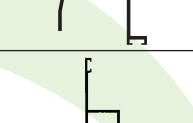
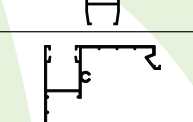
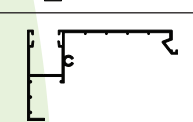
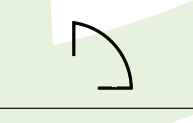
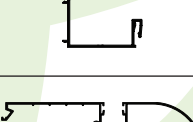
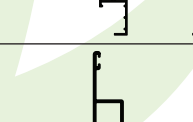
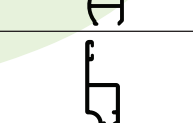
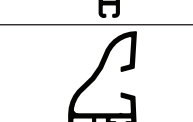
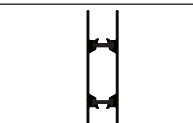
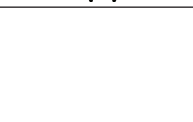
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Fdo: 
 Asier Maiztegi
 Director Dpto. Construcción

DESENHO	REF.	DESCRIÇÃO
	45010	Soleira de Condensação P: 424.1 / Pext. 381.6 lxx' 2.65 cm4, lyy' 10.4 cm4
	45095	Perfil Separador P: 265.8 / Pext. 185.5 lxx' 0.33 cm4, lyy' 6.52 cm4
	45100	Aro fixo P: 418.5 / Pext. 326.5 lxx' 4.56 cm4, lyy' 8.96 cm4
	45110	Aro fixo P: 431 / Pext. 339 lxx' 4.61 cm4, lyy' 9.15 cm4
	45130	Aro com Remate de 30 mm P: 489.3 / Pext. 397.3 lxx' 8.8 cm4, lyy' 11.6 cm4
	45135	Aro fixo P: 601.4 / Pext. 448.8 lxx' 23.9 cm4, lyy' 13.8 cm4
	45140	Aro fixo P: 535.3 / Pext. 400.7 lxx' 12.8 cm4, lyy' 11.8 cm4
	45150	Aro fixo de 62 mm
	45156	Aro fixo de 62 mm com Remate
	45170	Aro rústico janela P: 629 / Pext. 417 lxx' 7.5 cm4, lyy' 21.1 cm4
	55175	Aro rústico porta P: 764.4 / Pext. 478.8 lxx' 18.6 cm4, lyy' 27.9 cm4
	45200	Aro móvel de Janela P: 530.2 / Pext. 417.7 lxx' 14.5 cm4, lyy' 7.11 cm4
	45205	Aro Móvel de Porta P: 748.6 / Pext. 523.5 lxx' 21.4 cm4, lyy' 30.3 cm4
	45210	Aro Móvel de Janela P: 536.7 / Pext. 421.2 lxx' 14.3 cm4, lyy' 8.3 cm4
	45220	Aro Móvel Vidro Directo P: 594 / Pext. 478.7 lxx' 16.3 cm4, lyy' 12.5 cm4

DESENHO	REF.	DESCRIÇÃO
	45222	Aro Móvel Vidro Directo P: 812.0 / Pext. 586.9 lxx' 23.6 cm4, lyy' 40.9 cm4
	45230	Aro Móvel Abertura Exterior P: 670.5 / Pext. 472.3 lxx' 18.1 cm4, lyy' 19.5 cm4
	45232	Aro Móvel Abertura Exterior P: 663.9 / Pext. 465.7 lxx' 18.4 cm4, lyy' 18.5 cm4
	45233	Aro Móvel Ab. Ext. Rústico P: 657.6 / Pext. 459.4 lxx' 17.6 cm4, lyy' 18.8 cm4
	45234	Aro Móvel Abertura Exterior P: 805.5 / Pext. 540.7 lxx' 22.6 cm4, lyy' 41.5 cm4
	45235	Perfil Inversor Batente Porta P: 428.5 / Pext. 305.1 lxx' 5.6 cm4, lyy' 7.7 cm4
	45240	Aro Móvel Porta P: 765.5 / Pext. 540.4 lxx' 21.4 cm4, lyy' 33.1 cm4
	45250	Aro Móvel Sacada P: 611.1 / Pext. 455 lxx' 17.3 cm4, lyy' 13.3 cm4
	45260	Aro Móvel Janela P: 615.3 / Pext. 461.3 lxx' 17.12 cm4, lyy' 14.8 cm4
	45270	Aro Móvel Rústico Janela P: 521.5 / Pext. 406 lxx' 13.8 cm4, lyy' 7.2 cm4
	45272	Aro Móvel Rústico P: 604.4 / Pext. 448.3 lxx' 16.6 cm4, lyy' 13.6 cm4
	45275	Aro Móvel Rúst. Vidro Directo P: 589.8 / Pext. 474.3 lxx' 15.6 cm4, lyy' 11.8 cm4
	45277	Aro Móvel Rúst. Vidro Directo P: 721 / Pext. 534.1 lxx' 20.1 cm4, lyy' 24.5 cm4
	45280	Aro Móvel Rúst. Vidro Directo P: 808.1 / Pext. 583.1 lxx' 22.8 cm4, lyy' 39.9 cm4
	45285	Aro Móvel Rústico Porta P: 739.9 / Pext. 514.8 lxx' 20.7 cm4, lyy' 30.5 cm4

DESENHO	REF.	DESCRIÇÃO
	45300	Perfil Inversor Central Curvo P: 502.9 / Pext. 382.6 lxx' 12.0 cm4, lyy' 7.35 cm4
	45370	Perfil Inversor Central Rústico P: 503.4 / Pext. 383.1 lxx' 11.9 cm4, lyy' 7.6 cm4
	45420	Travessa de 72 mm P: 487.9 / Pext. 383.5 lxx' 8.04 cm4, lyy' 9.7 cm4
	45421	Travessa de 72 mm P: 558.8 / Pext. 412 lxx' 7.95 cm4, lyy' 13.5 cm4
	45440	Travessa de 94 mm P: 620.6 / Pext. 472.5 lxx' 25.3 cm4, lyy' 13.4 cm4
	45441	Travessa de 94 mm P: 647 / Pext. 487.7 lxx' 25.6 cm4, lyy' 18.7 cm4
	45460	Travessa de 130 mm P: 836.8 / Pext. 616.6 lxx' 85.8 cm4, lyy' 19.2 cm4
	45461	Travessa de 130 mm P: 1010.5 / Pext. 631.8 lxx' 89.6 cm4, lyy' 26.9 cm4
	45470	Travessa de Reforço 130 mm P: 831.5 / Pext. 543.5 lxx' 38.5 cm4, lyy' 30.1 cm4
	45480	Travessa de Vidro Directo 80 mm P: 598.9 / Pext. 425.2 lxx' 6.5 cm4, lyy' 19.5 cm4
	45050	Rótula Macho de 56,5 mm P: 469.8 / Pext. 353.6 lxx' 9.28 cm4, lyy' 12.8 cm4
	45053	Rótula Fêmea de 56,5 mm P: 456 / Pext. 335 lxx' 13.4 cm4, lyy' 8.65 cm4
	45065	Rótula Macho de 121.5 mm Pext. 804.4
	45067	Rótula Fêmea de 121.5 mm Pext. 801.5

	45072	Perfil Guia de Estore de 120 Pext. 723.1
	45074	Perfil Guia de Estore de 140 Pext. 763.2
	40022	Perfil Complementar
	40023	Perfil Complementar
	40070	Perfil Complementar
	30010	Perfil Guia de Estore Exterior de 120
	30011	Perfil Guia de Estore Exterior de 140
	20121	Remate exterior Guia
	20123	Remate p/ RECOGEDOR Estore
	20124	Perfil Guia de Estore c/ remate
	AL 1303	Perfil Complementar
	AL 1371	Perfil Complementar
	AL 2045	Perfil Complementar
	AW 45	Perfil Complementar

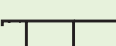
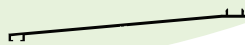
DESENHO REF. DESCRIÇÃO

VIDRO

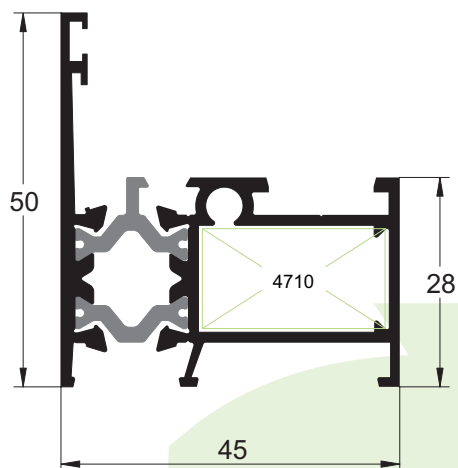
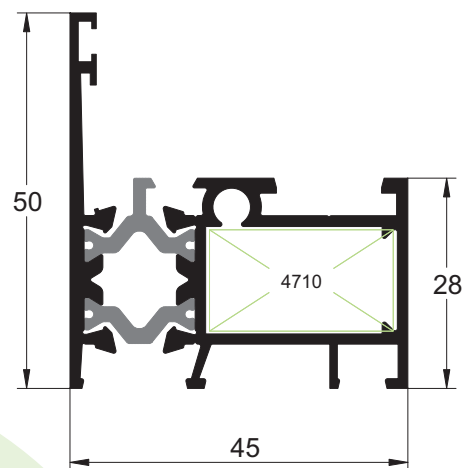
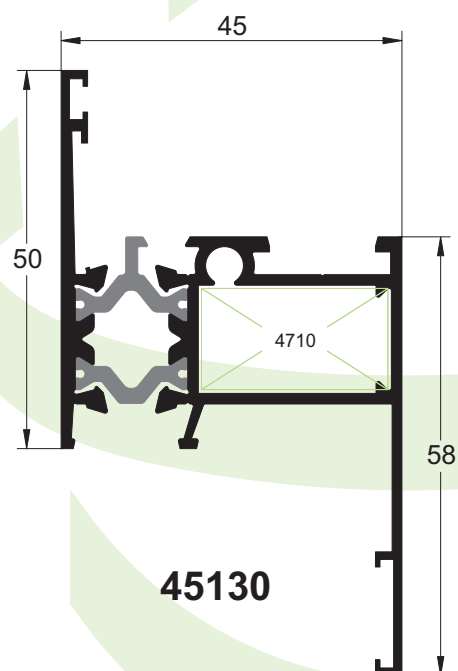
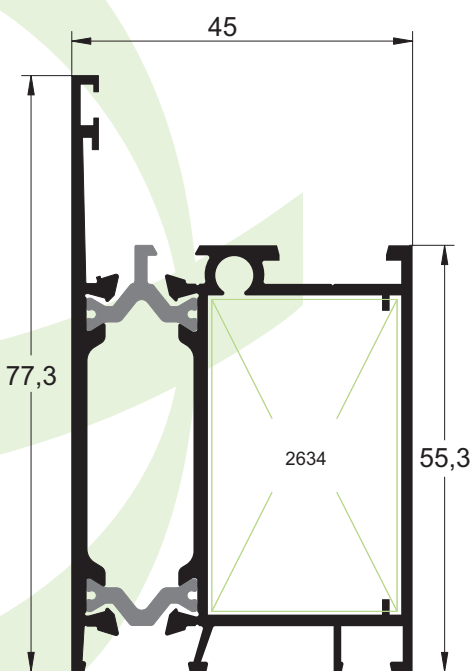
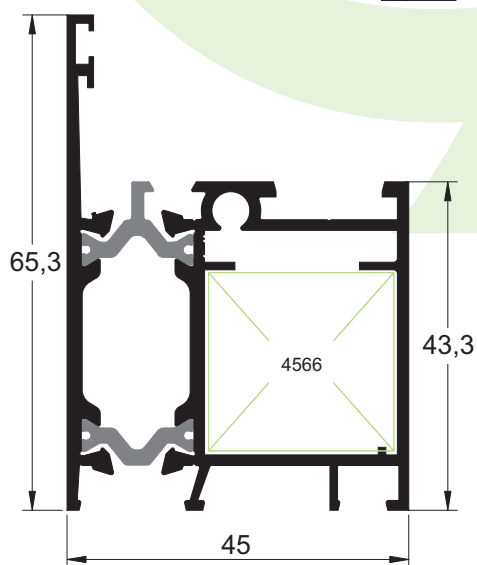
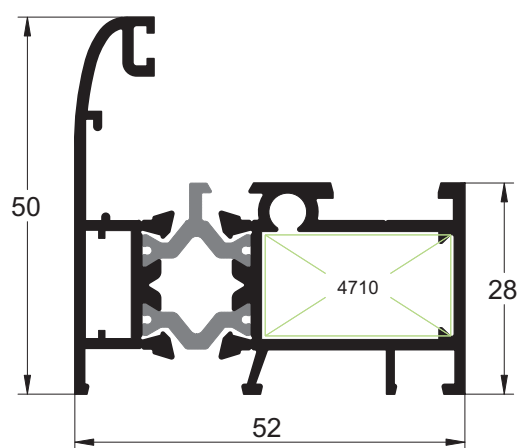
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	40508	Bite Recto c/ mola 8 mm.
	40512	Bite recto 12 mm
	40517	Bite recto 17 mm
	40519	Bite recto 19 mm
	40522	Bite recto 22 mm
	40527	Bite recto 27 mm
	40532	Bite recto 32 mm
	40590	Perfil complementar 36 mm
	40612	Bite canto redondo 12 mm
	40617	Bite canto redondo 17 mm
	40619	Bite canto redondo 19 mm
	40622	Bite canto redondo 22 mm
	40627	Bite canto redondo 27 mm
	40712	Bite redondo c/ mola 12 mm
	40717	Bite redondo c/ mola 17 mm
	40719	Bite redondo c/ mola 19 mm
	40722	Bite redondo c/ mola 22 mm
	40727	Bite redondo c/ mola 27 mm
	40812	Bire rústico c/ mola 12 mm
	40912	Bite rústico 12 mm

DESENHO REF. DESCRIÇÃO

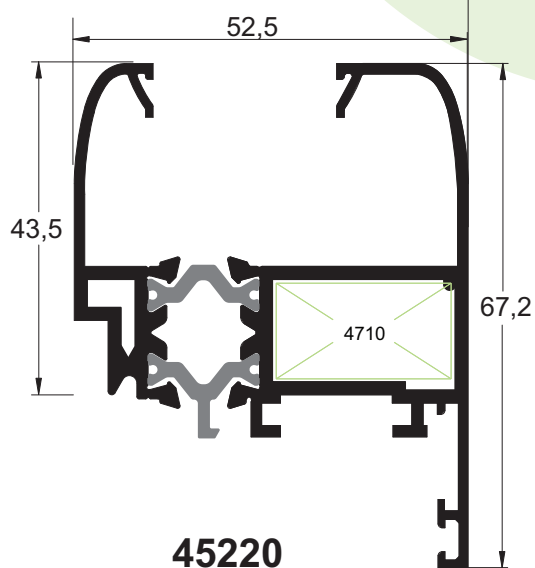
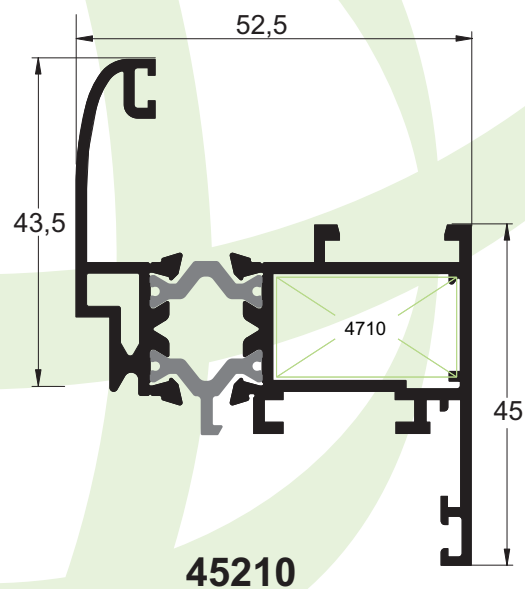
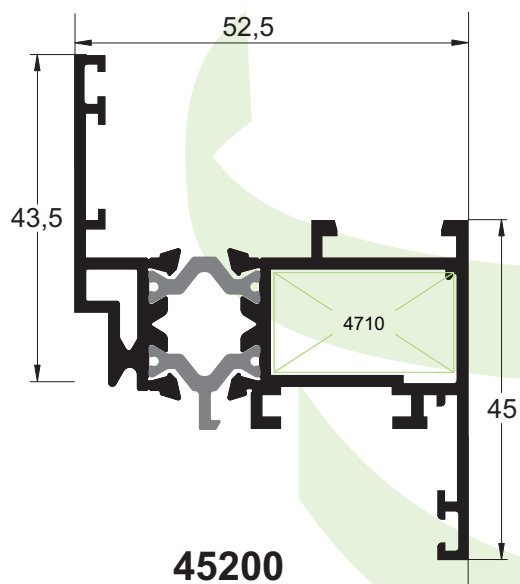
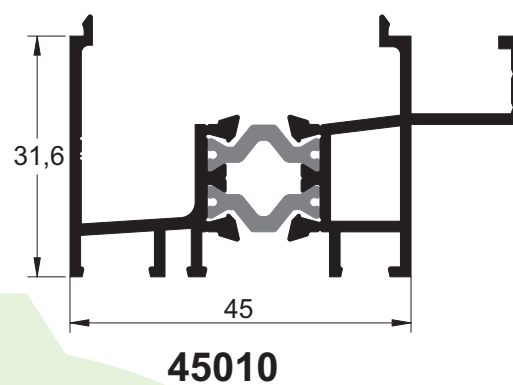
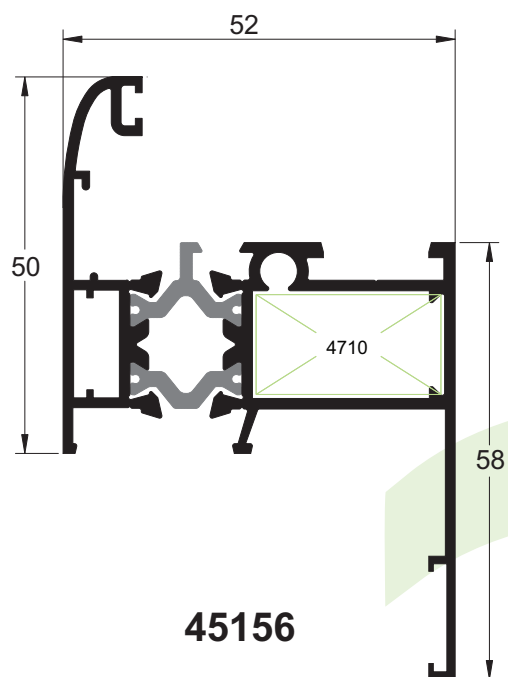
VIDRO

	40509	Perfil Complementar de Remate
PRÉ-ARO		
	20101	Pré-aro de 39,5 mm
	20102	Pré-aro de 53,5 mm
	20103	Pré-aro de 63,5 mm
	20104	Pré-aro de 116 mm
	20104	Pré-aro de 136 mm
	40004	Barra de Cremone
	40080	Perfil Complementar
	40081	Perfil Complementar
	40082	Perfil Complementar

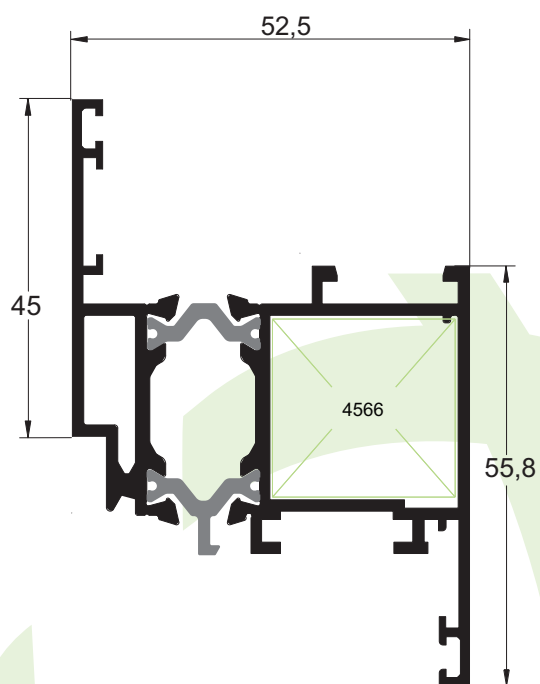
AROS FIXOS

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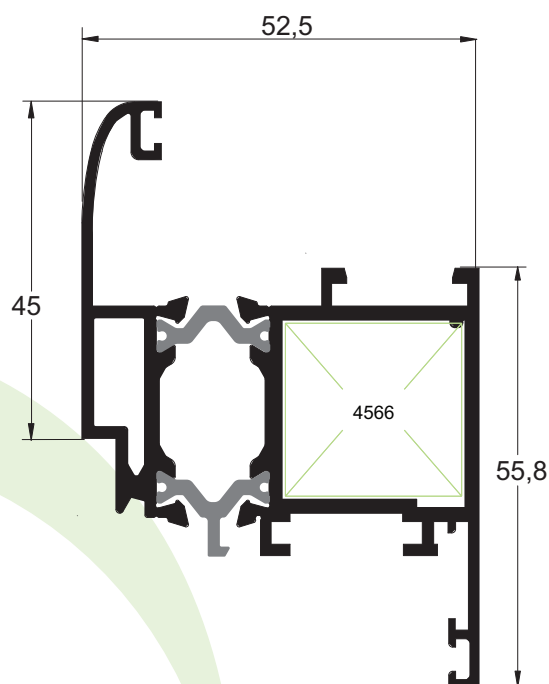
AROS MÓVEIS DE JANELAS



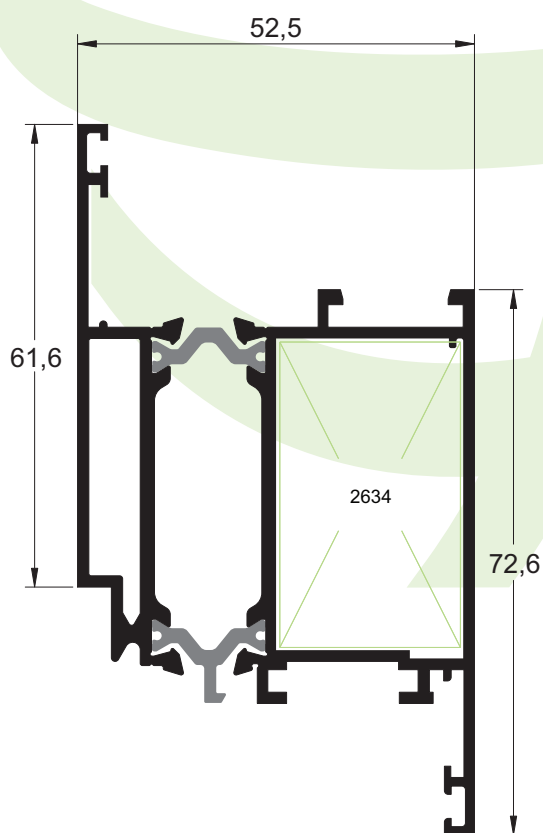
AROS MÓVEIS DE JANELAS



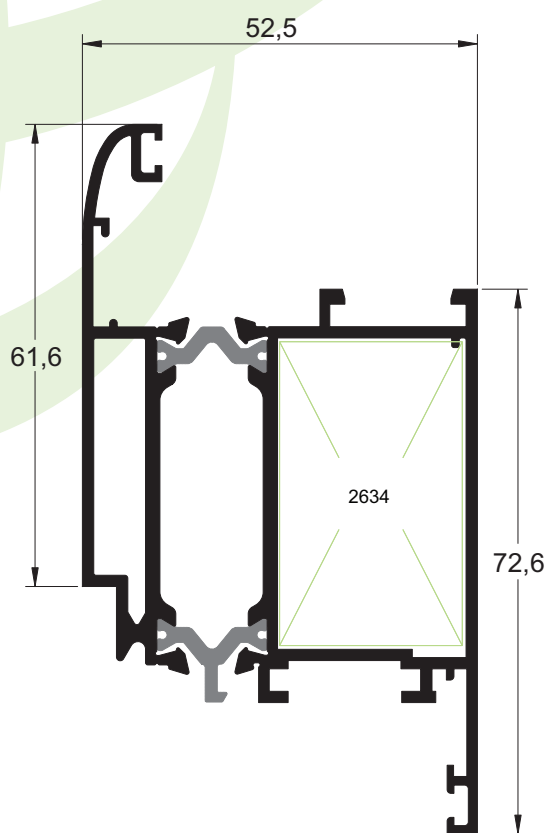
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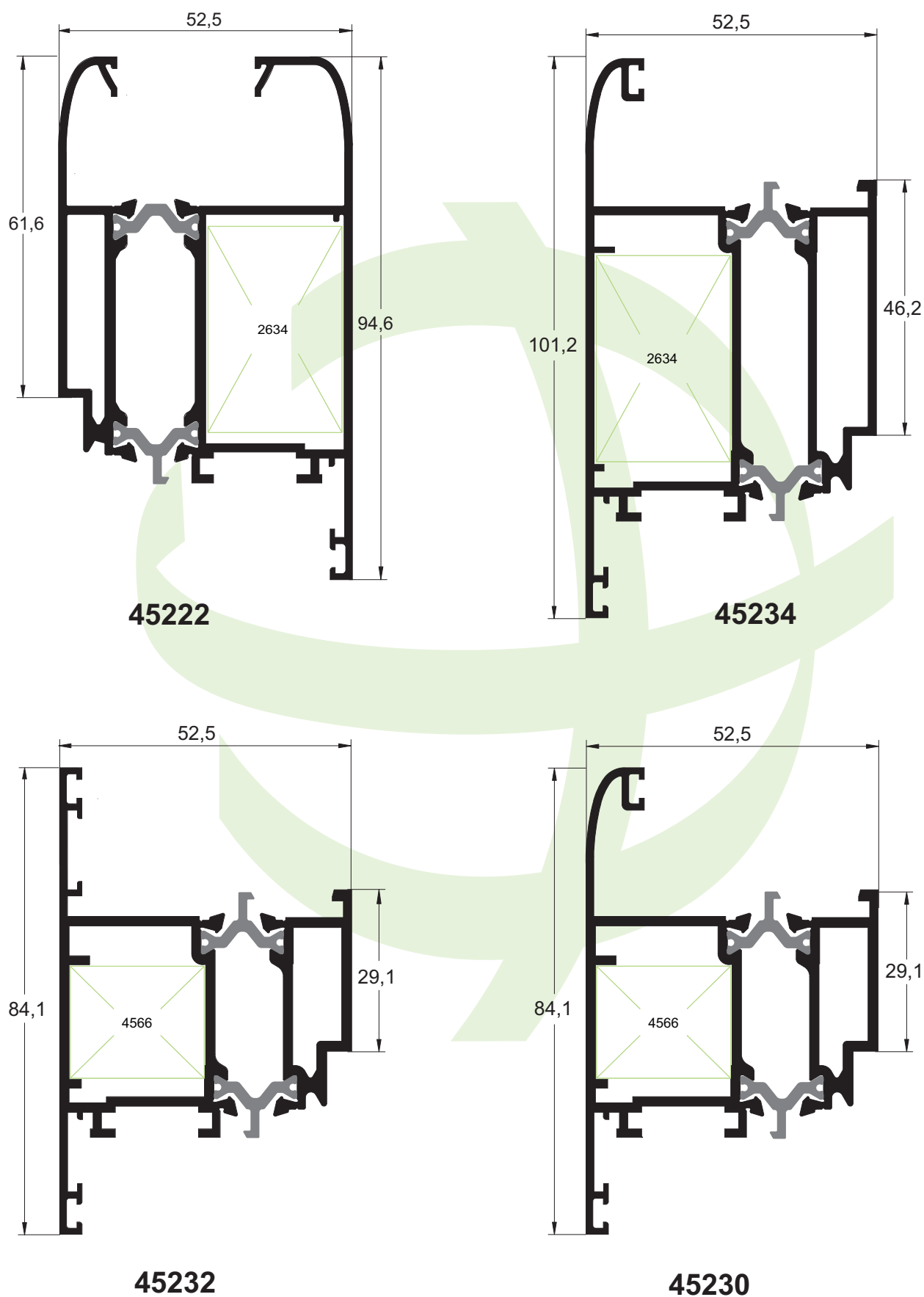
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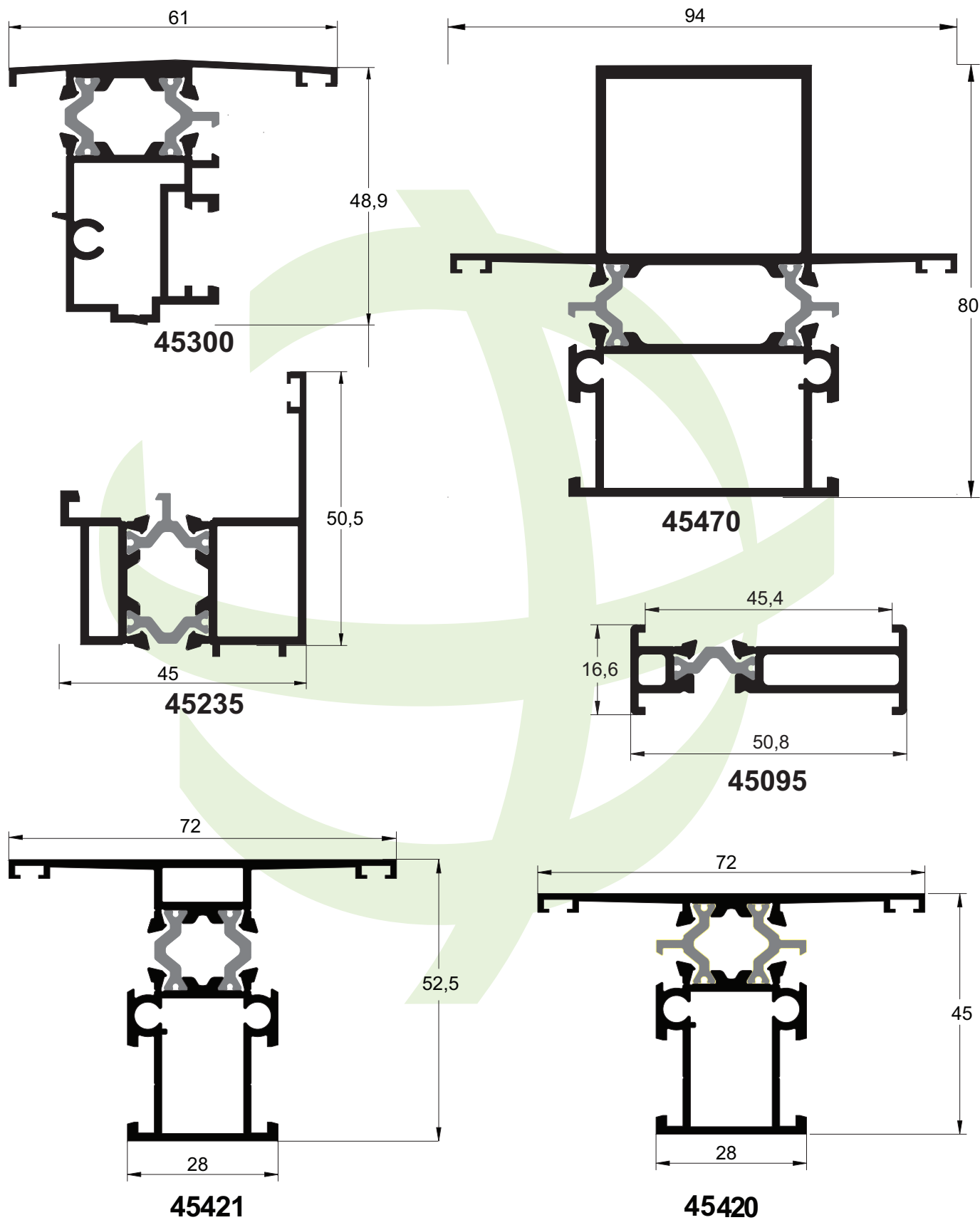
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AROS MÓVEIS DE PORTAS

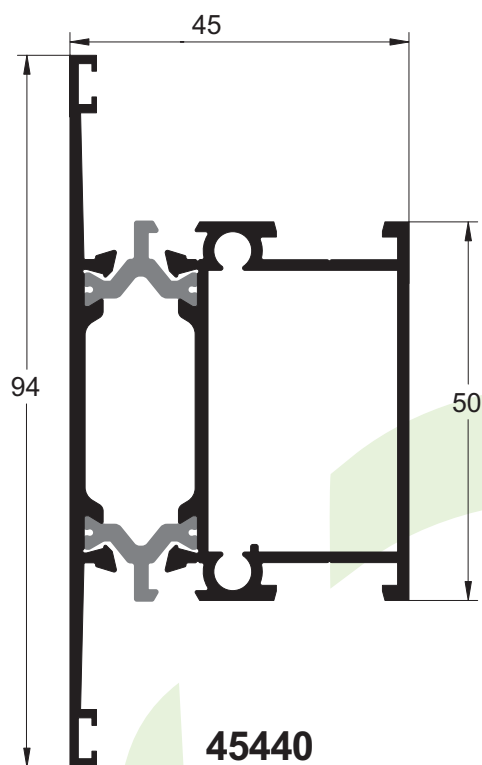
Perfis



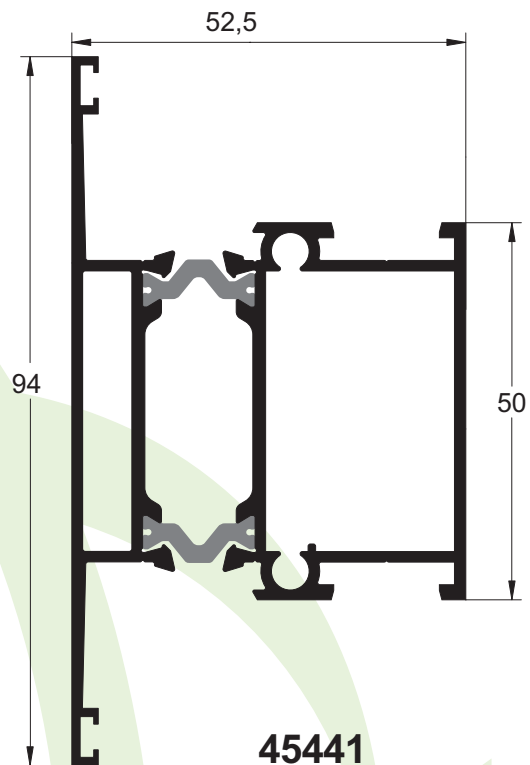
MONTANTES E TRAVESSAS



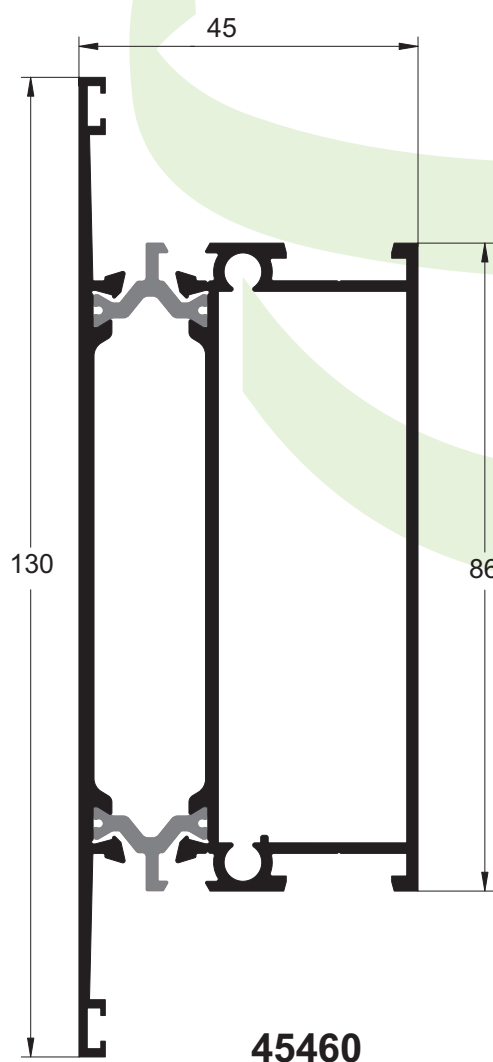
MONTANTES E TRAVESSAS



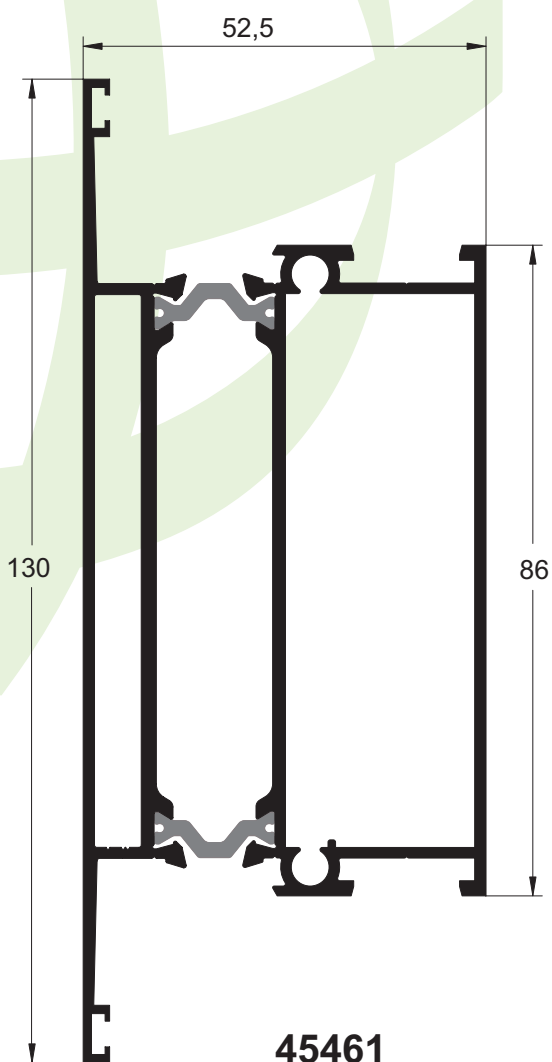
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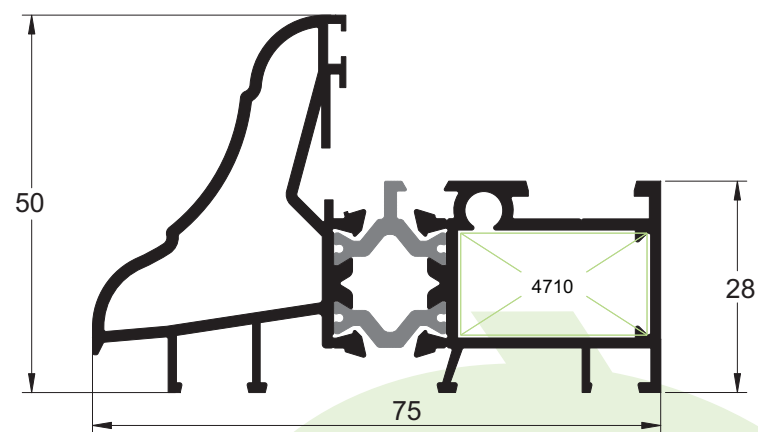


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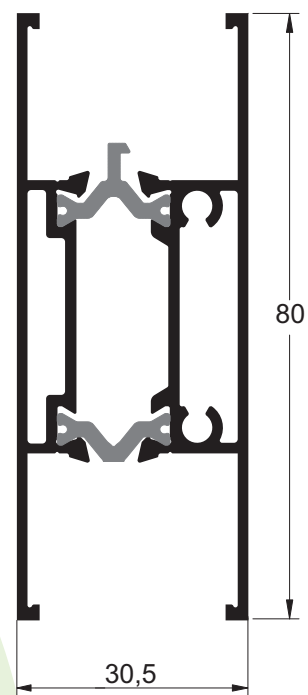


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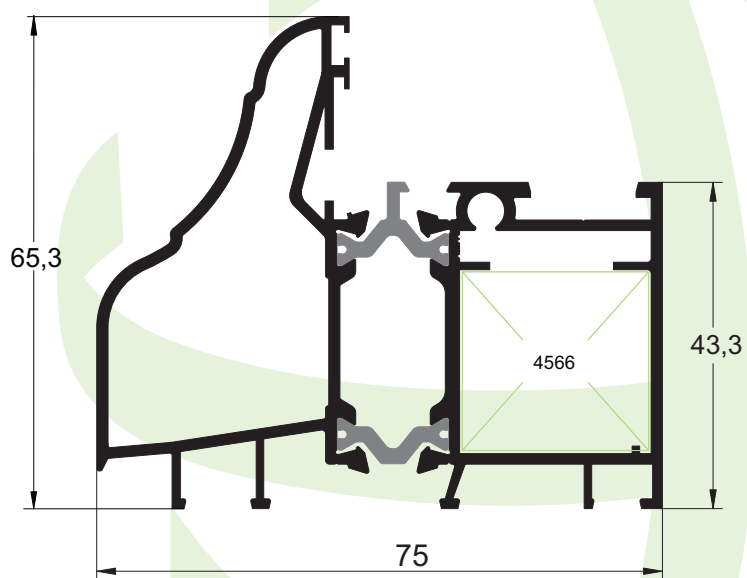
AROS FIXOS / AROS MÓVEIS RÚSTICOS



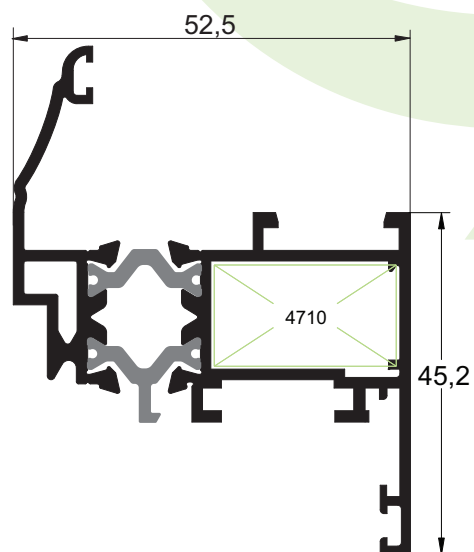
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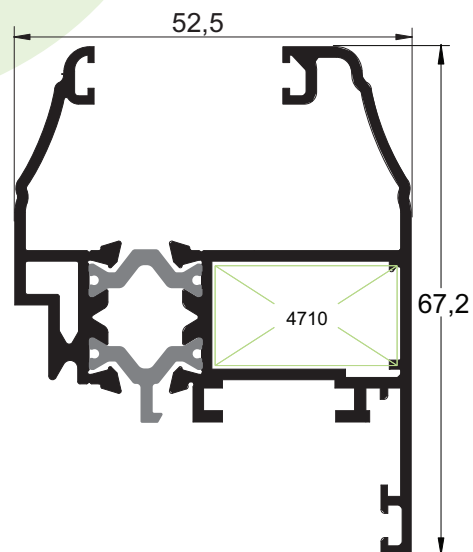
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45175

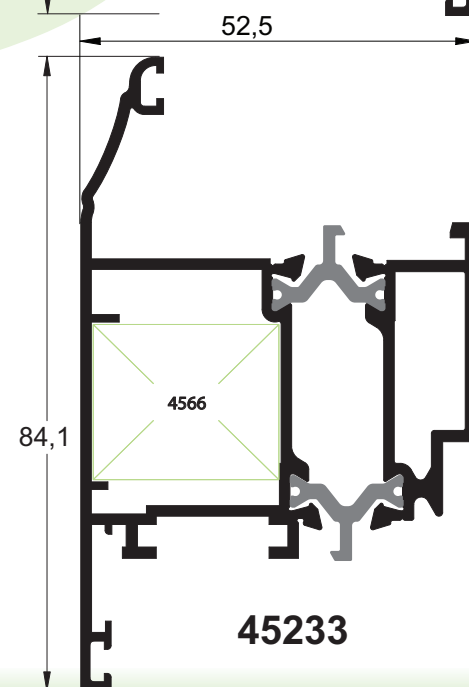
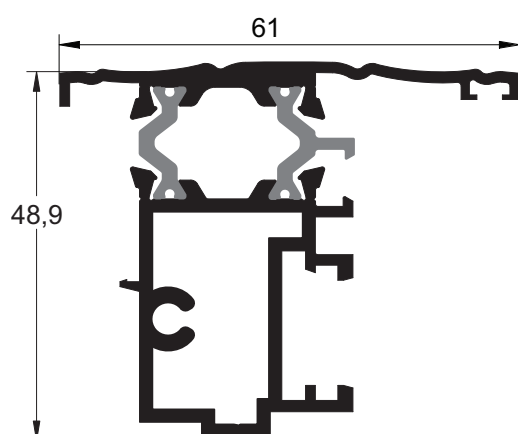
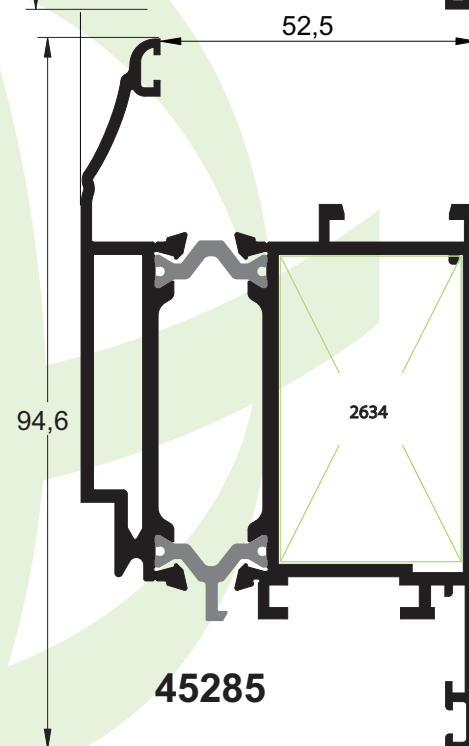
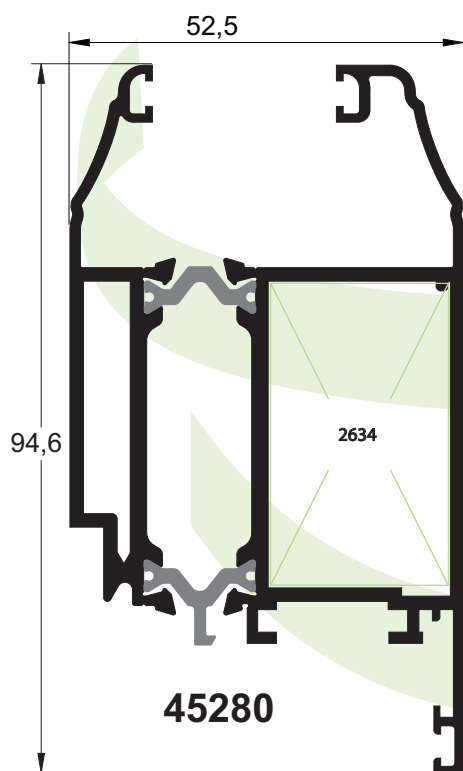
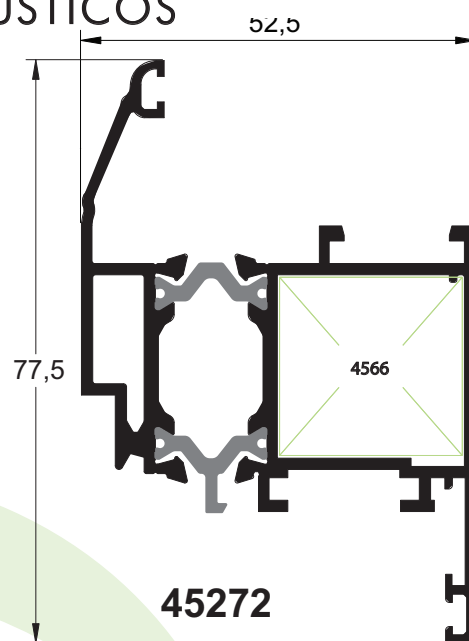
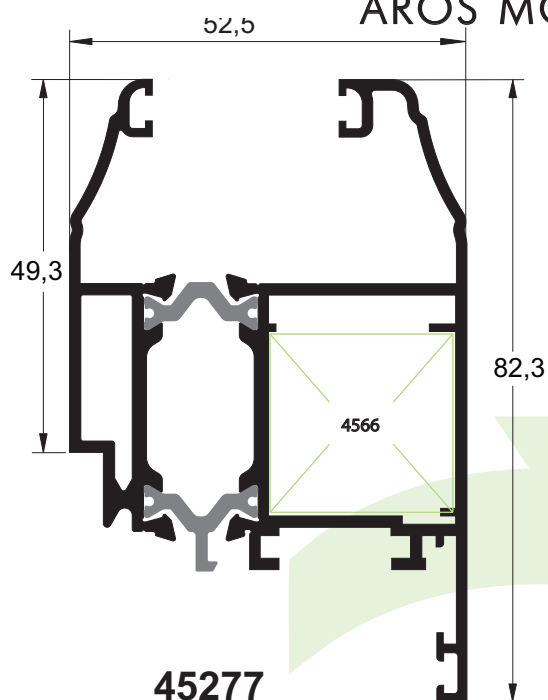


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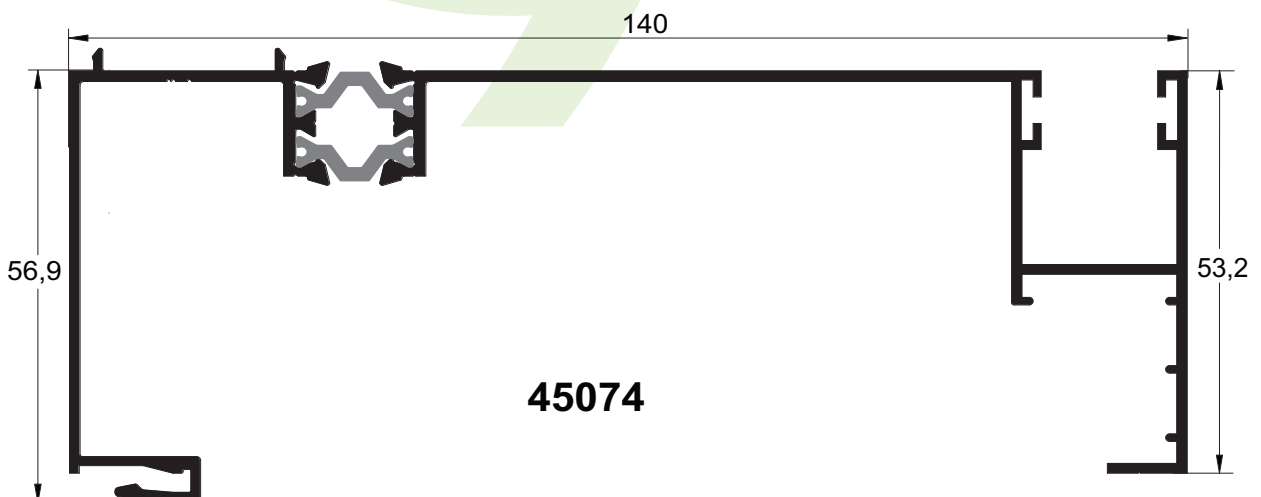
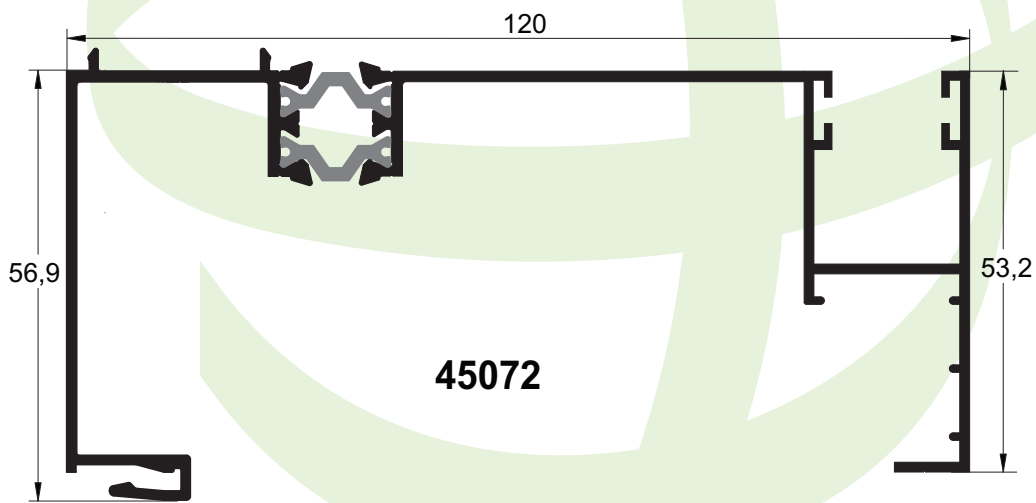
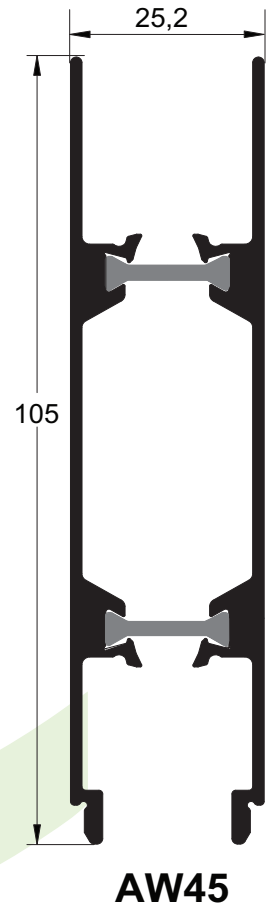
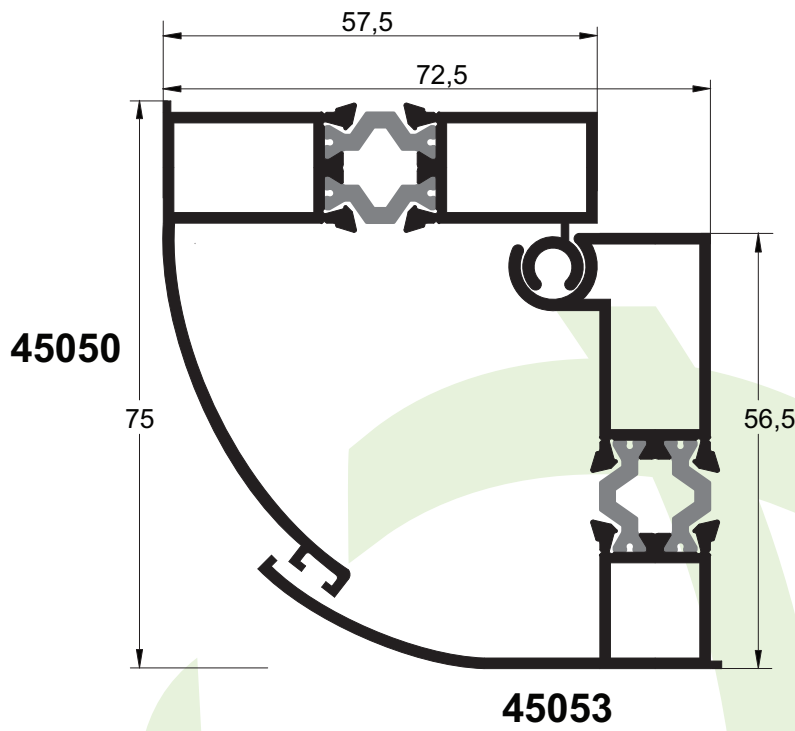


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AROS MÓVEIS RÚSTICOS



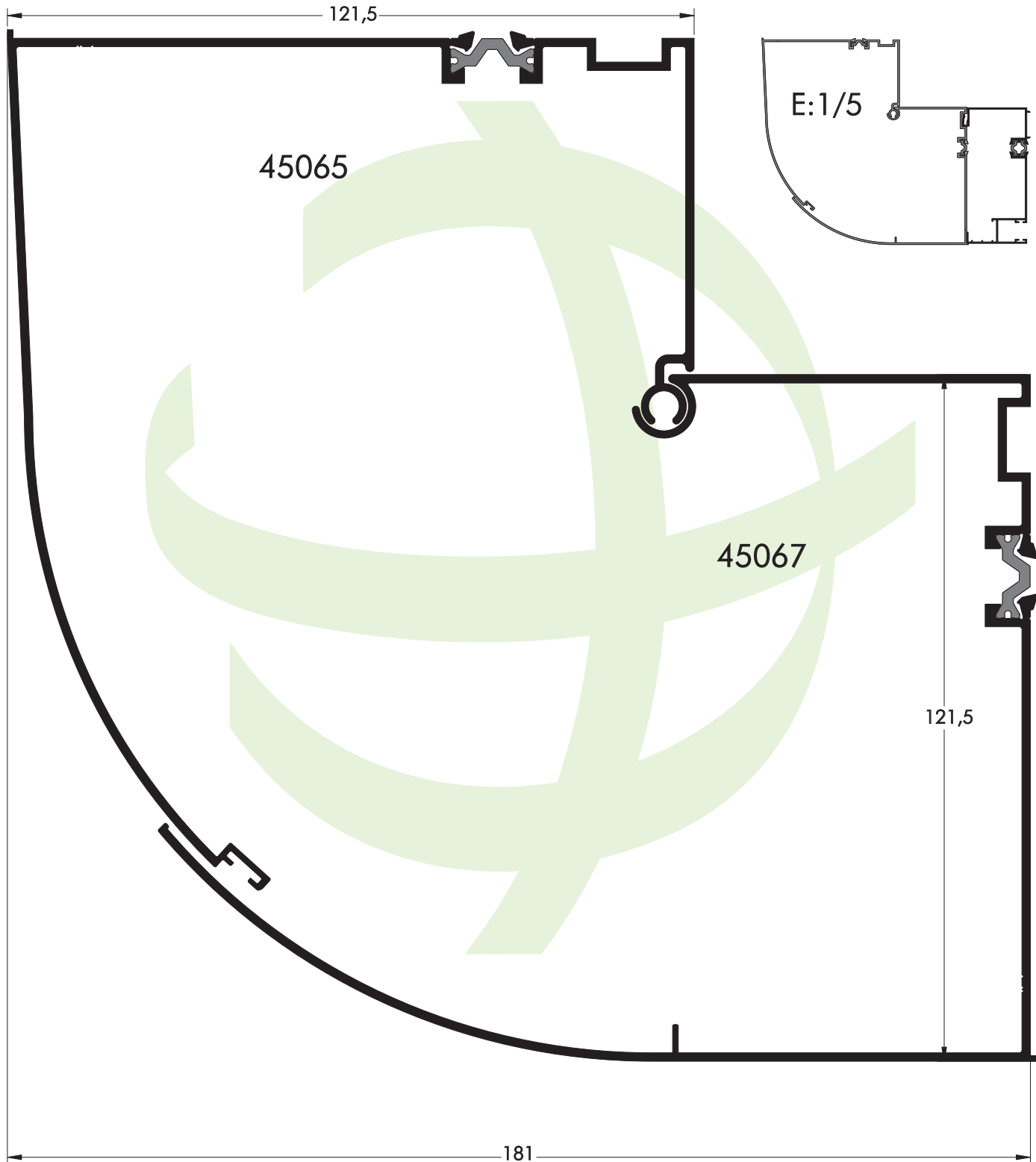
COMPLEMENTOS



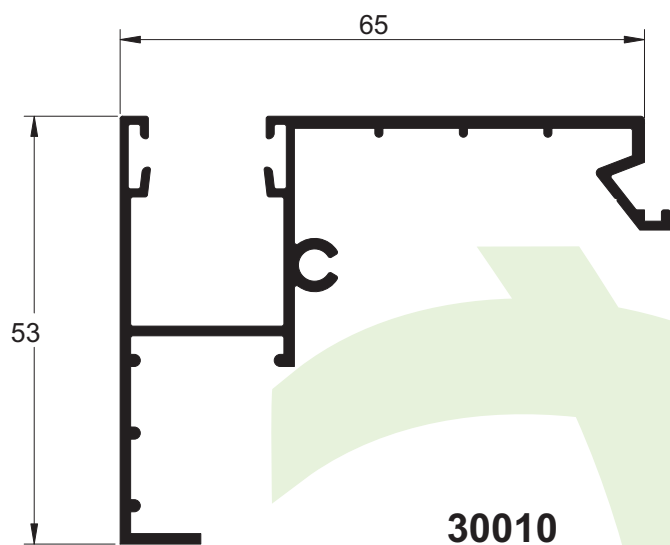
Perfis

RÓTULAS ANGULARES P/MONOBLOCO

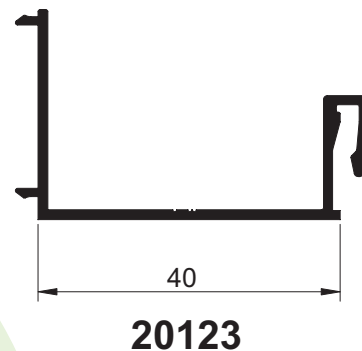
Perfis



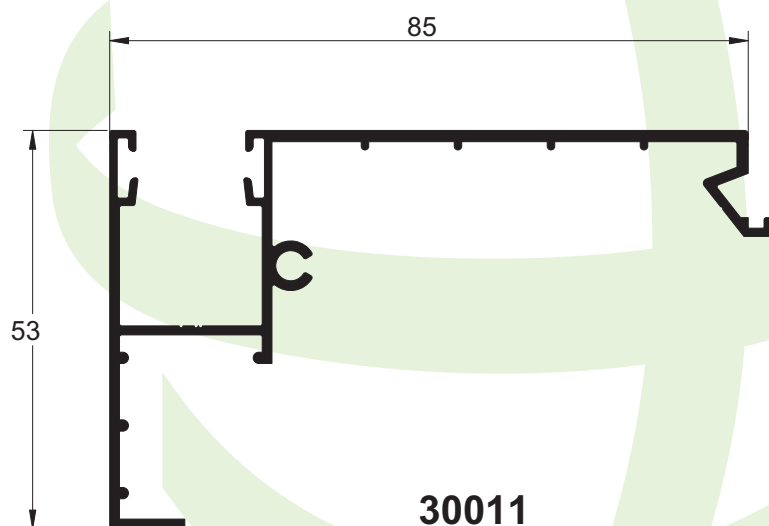
PERFIS COMPLEMENTARES



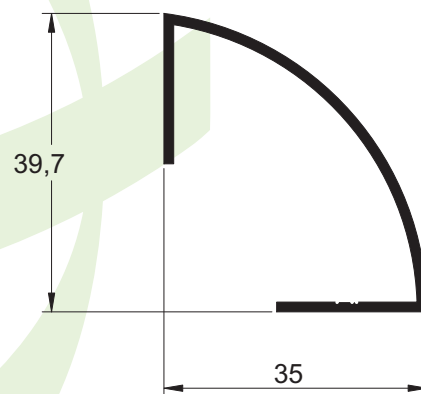
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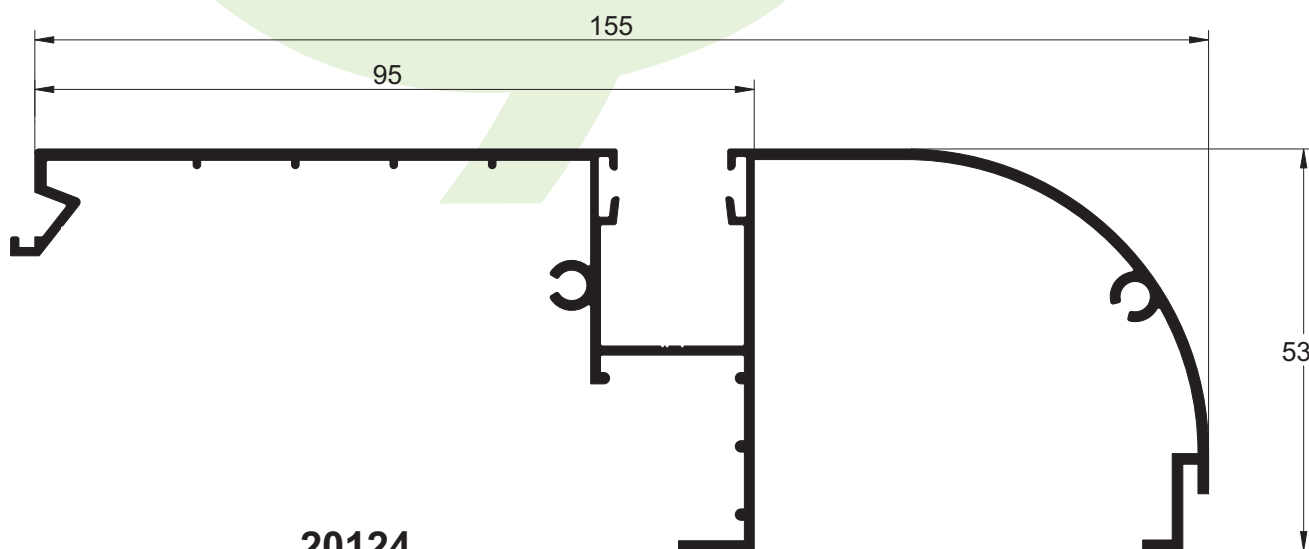
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30011



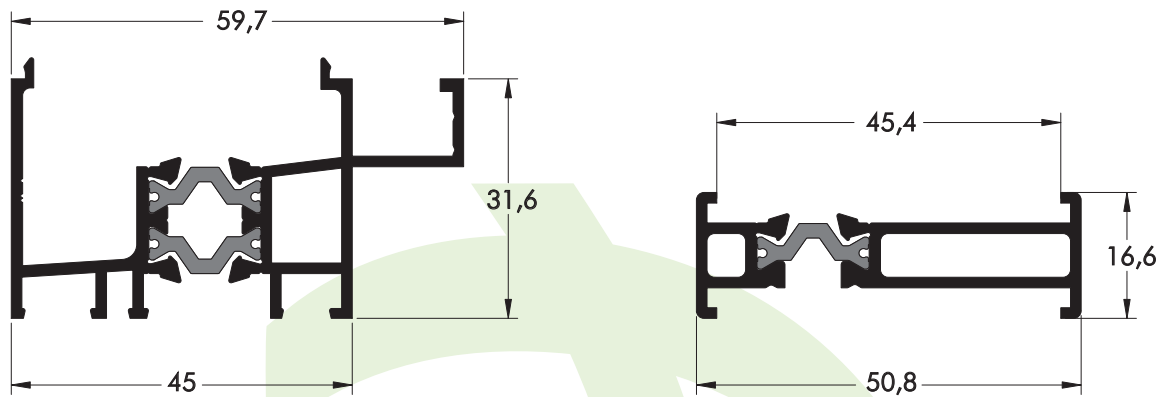
20121



20124

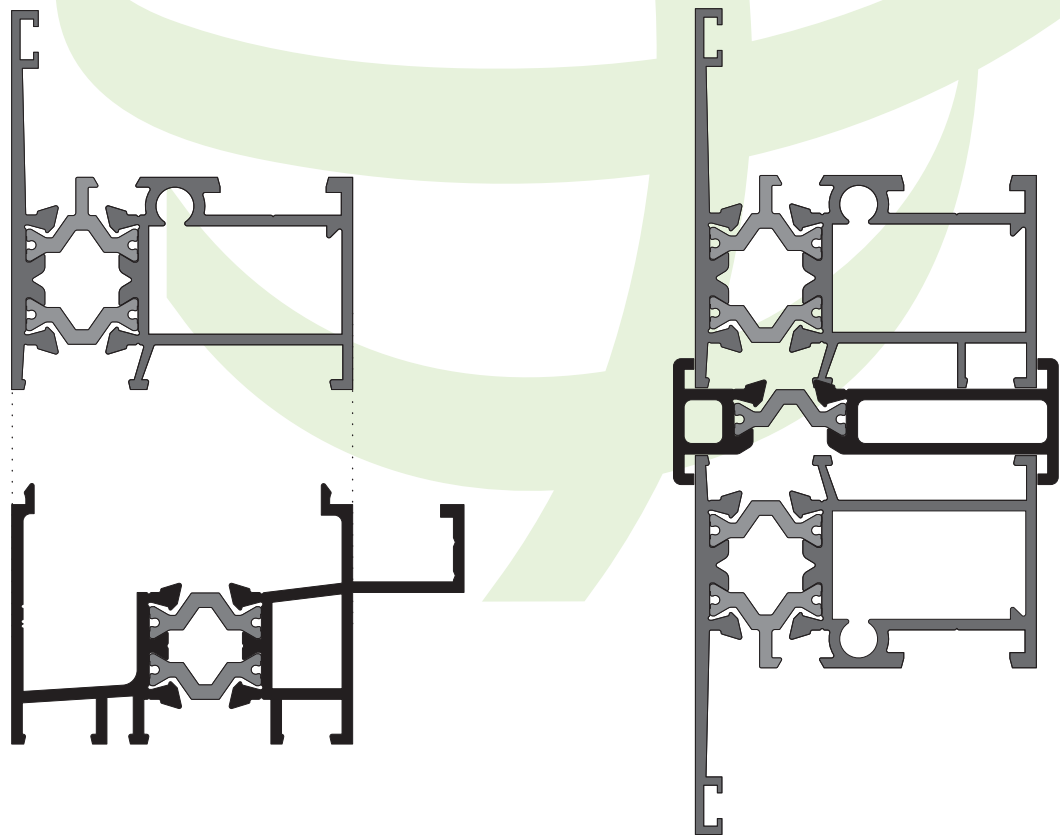
Perfis

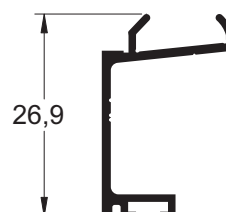
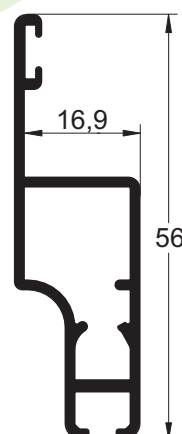
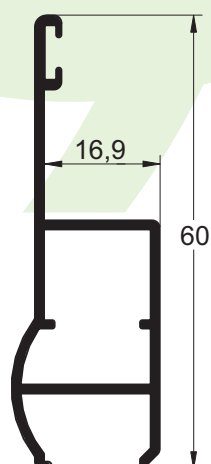
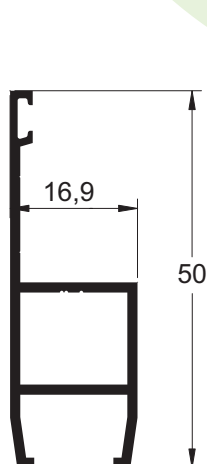
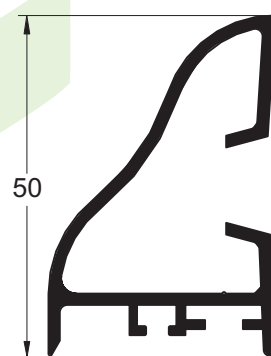
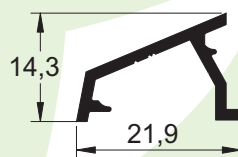
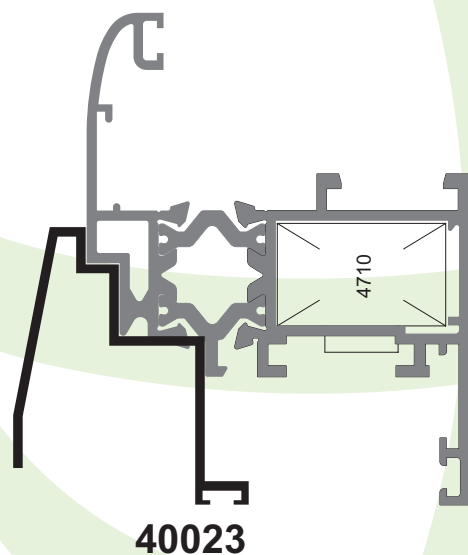
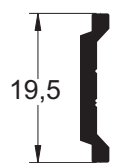
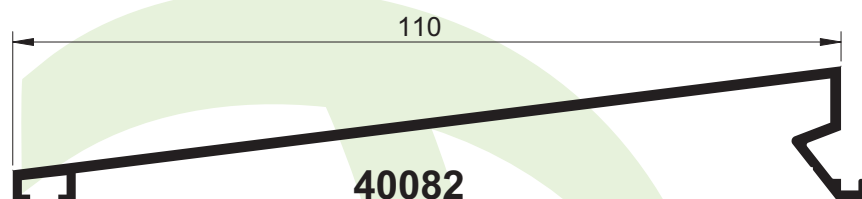
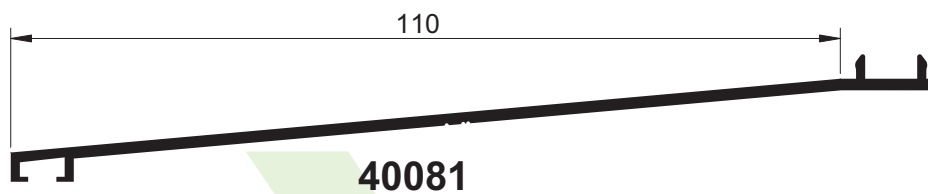
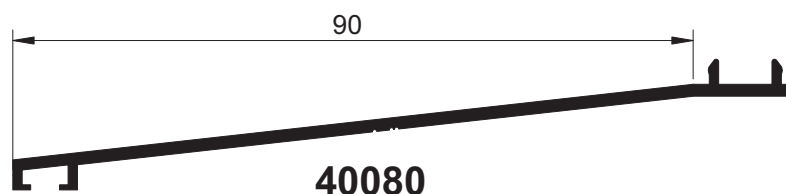
PERFIS COMPLEMENTARES

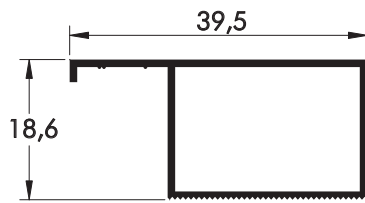


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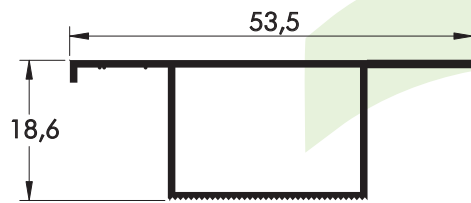
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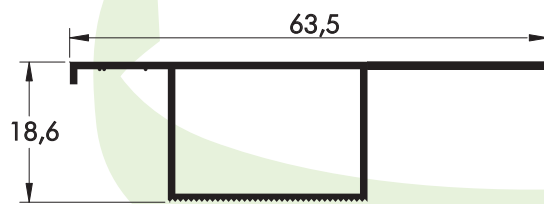




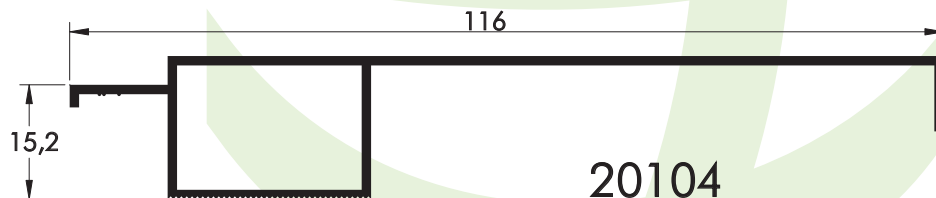
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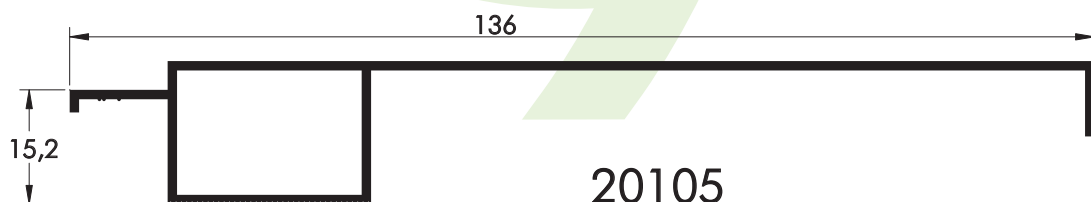
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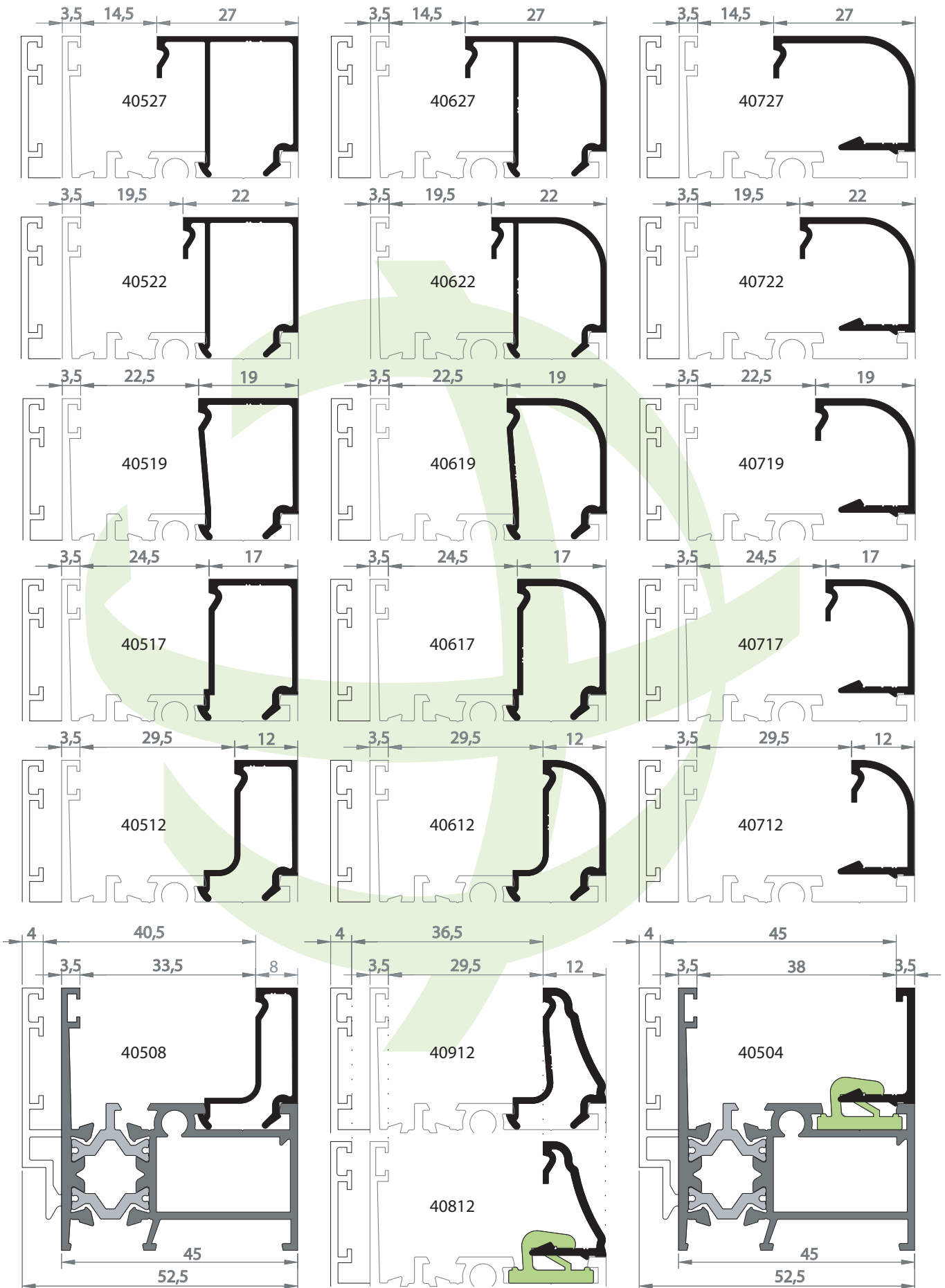
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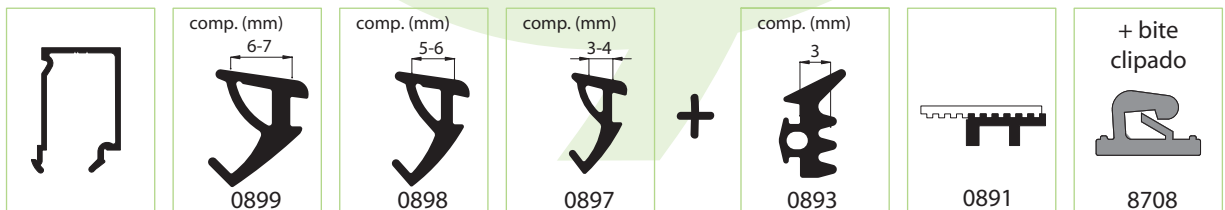
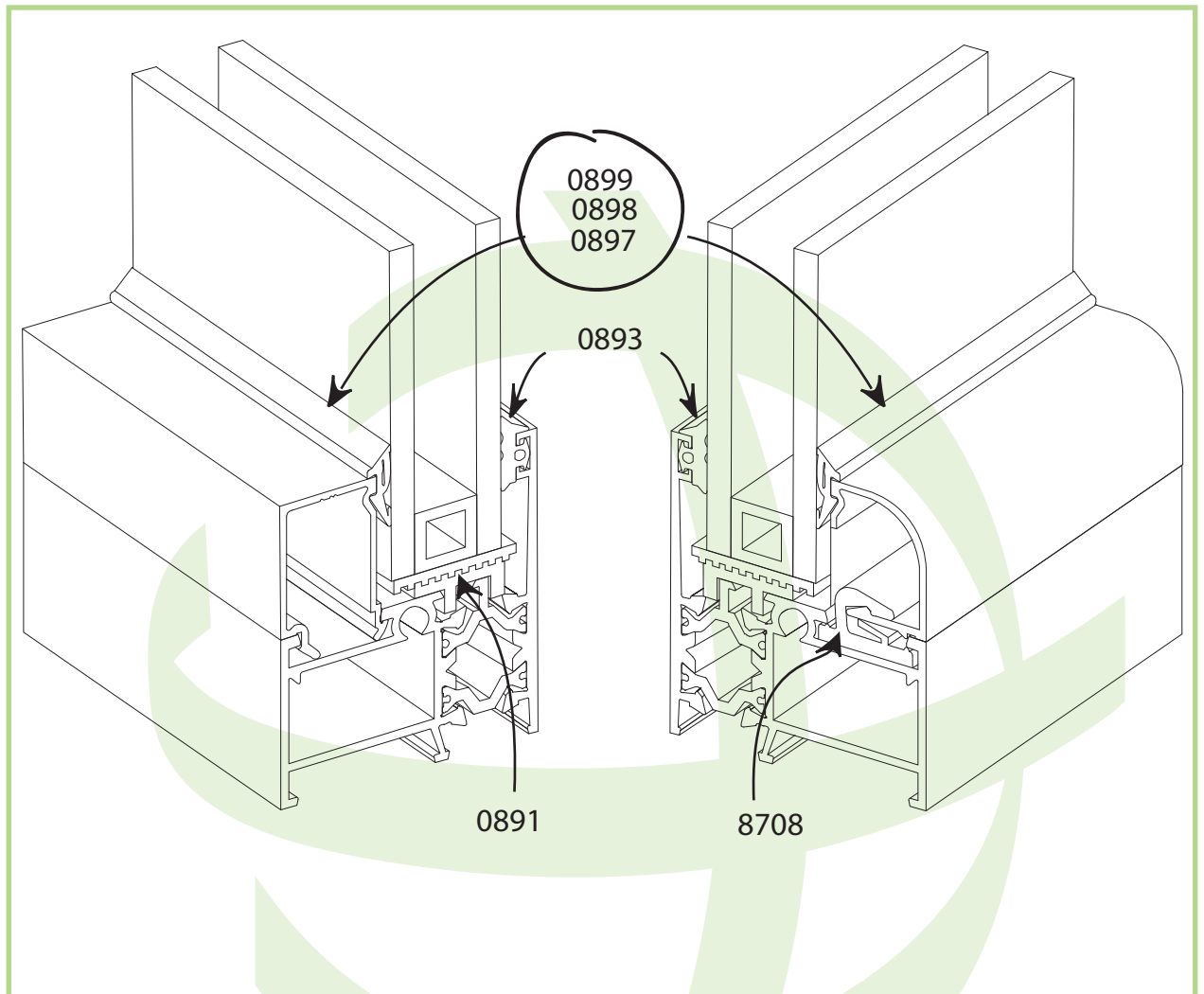


20104



20105







Dobradiça CE
2000 D/E



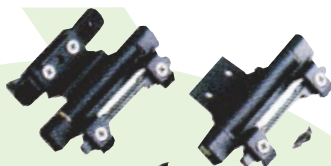
Dobradiça p/ 3ª folha
2001D/E



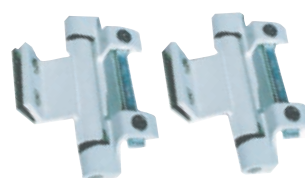
Dobradiça de porta abert. interior
5001



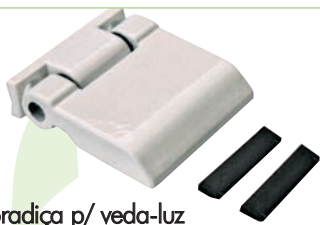
Dobradiça de porta abert. exterior
5002



Kit dobradiças OB (1 folha)
1841



Kit dobradiças 2ª folha
1410



Dobradiça p/ veda-luz
2050



Dobradiça eixo descentrado
2002



Dobradiça de porta
0260



Cremone Máxima OB
1144



Cremone Máxima
1142



Cremone Globo
1041



Cremone abertura exterior
1146



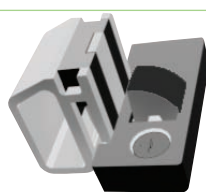
Conj. Manípulos p/ porta Gery
5005



Cremone Globo OB
1044



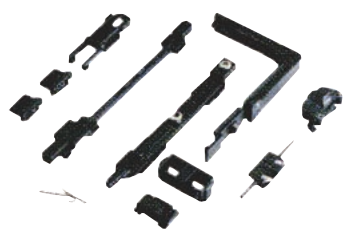
Fecho p/ veda-luz
3180



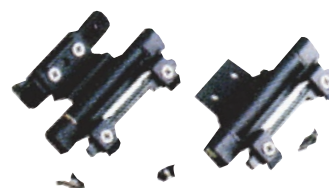
Fecho Bandeira CE
8000



Cremone abertura exterior
0206



CONJUNTO BASE OB
1800



Compasso OB 300 (pequeno)
1844



Compasso OB 460 (grande)
1845



Braço Suplementar OB
1846



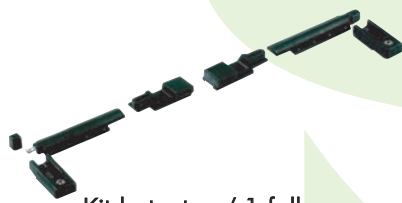
Fecho Supl. OB Horiz./Vertical
1843



Mecanismo Base
1840



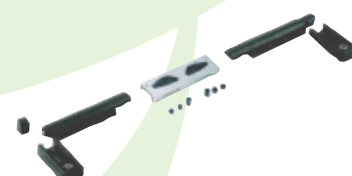
Jogo de Fechos 2ª folha OB
1768



Kit batente p/ 1 folha
3001



Kit batente p/ 2 folhas
3002



Kit abert. exterior 1 folha
1030



Kit abert. exterior 2 folhas
1031



Kit fechos 2ª folha
3009



Kit 2 fechos 2ª folha
3007



Compasso basic. (alumínio)
8100



Compasso basic. (inox)
8104



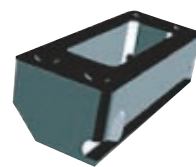
Kit de fechos automático
3019



Terminal p/ barra de cremone
3004



Terminal de fecho simples
3005



Terminal de fecho duplo
3006



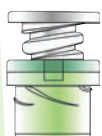
Terminal Fecho Simples (zamac)
3008



Kit de fecho lateral
1855



Fecho de mola p/ 2ª folha
1852



Nivelador regulável
0017



Perno roscado abert. exterior
18 mm 21 mm
1010 1011



Distanciador de dobradiças
5009



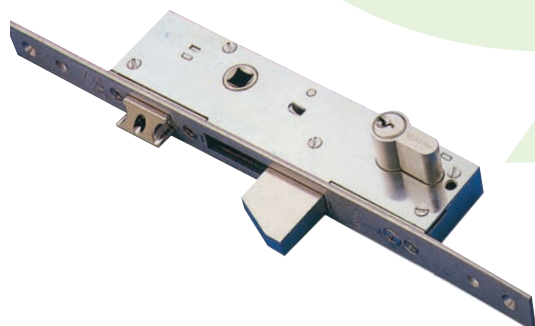
Terminal p/ fecho de cremone
1345



Terminal de fecho
3016



Canto p/ bite curvo (universal)
8515



A7001 Fechadura de trinco

A7002 Fechadura de trinco

A7003 Fechadura de trinco (multiponto)

A7004 Fechadura de trinco (multiponto)

* Fechaduras disponíveis na versão eléctrica



Esquadro folha porta 22x23.5 mm
4566



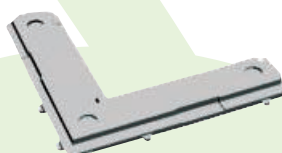
Esquadro folha porta 22x41 mm
4017



Esquadro folha janela 23x14 mm
4710



Esquadro folha pivotante 32x17.5
3218



Esquadro reforço em inox
8707 i



Esquadro veda-luz
4711



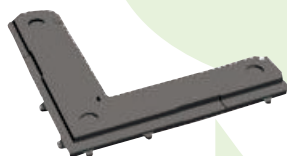
União
1518



União
3718



Esq. tapa juntas caixa de estore
8012



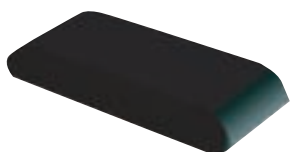
Esquadro reforço nylon
8707



Esquadro pré-aro
00BT



Esquadro calço p/ vidro
0008



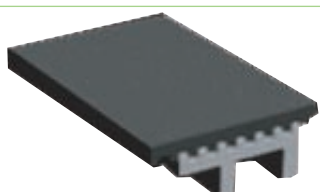
Goteira
8171



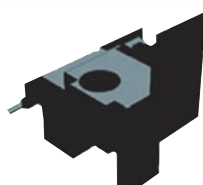
Mola p/ bite curvo
8708



Mola p/ perfil 40062
0032



Calço p/ vidro
0891



Topo p/ inversor
2028



Conj. topos p/ pingadeira
0104



FRESAS

0313 Grupo de fresas p/ travessas
(ver pág 48)



Conjunto pivotantes
1663

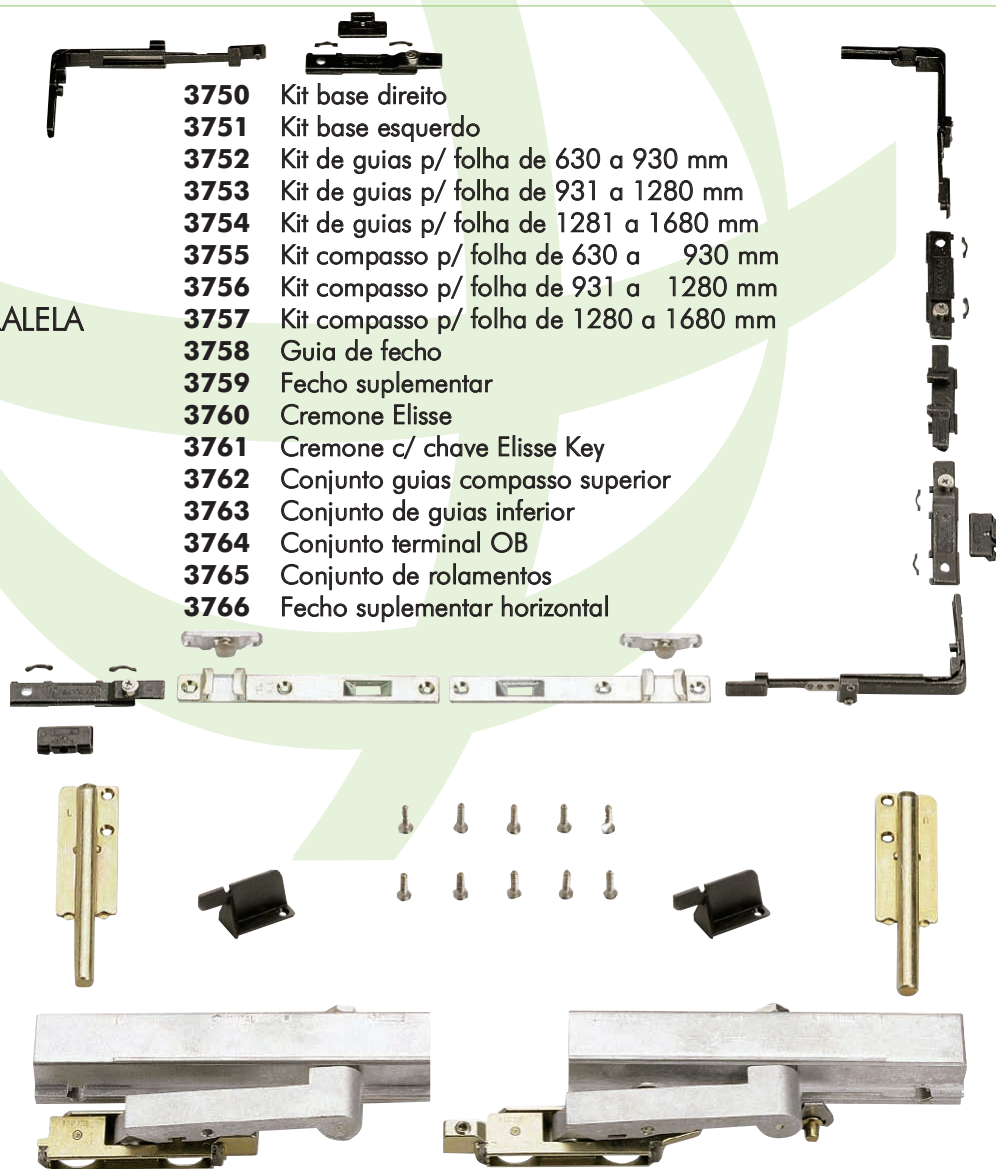
PIVOTANTE



Fecho de pressão p/ pivotante
1701

OSCILO PARALELA

- 3750** Kit base direito
- 3751** Kit base esquerdo
- 3752** Kit de guias p/ folha de 630 a 930 mm
- 3753** Kit de guias p/ folha de 931 a 1280 mm
- 3754** Kit de guias p/ folha de 1281 a 1680 mm
- 3755** Kit compasso p/ folha de 630 a 930 mm
- 3756** Kit compasso p/ folha de 931 a 1280 mm
- 3757** Kit compasso p/ folha de 1280 a 1680 mm
- 3758** Guia de fecho
- 3759** Fecho suplementar
- 3760** Cremone Elisse
- 3761** Cremone c/ chave Elisse Key
- 3762** Conjunto guias compasso superior
- 3763** Conjunto de guias inferior
- 3764** Conjunto terminal OB
- 3765** Conjunto de rolamentos
- 3766** Fecho suplementar horizontal





Vedante exterior p/ vidro
0893



Vedante int. p/ vidro c/ 3-4 mm
0897



Vedante central
0894



Vedante int. p/ vidro c/ 5-6 mm
0898



Vedante batente p/ aro móvel
0895



Vedante int. p/ vidro c/ 6-7 mm
0899

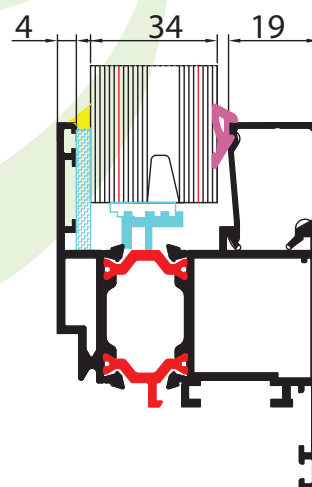
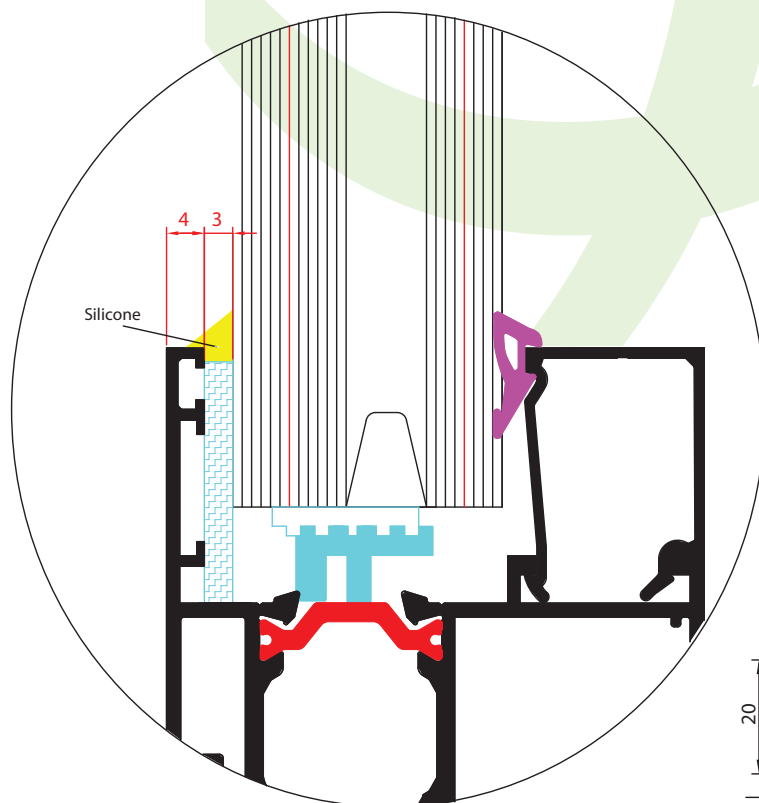


Vedante batente p/ aro fixo
0896

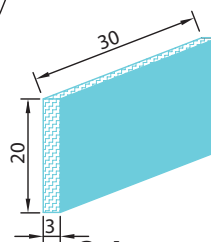


Vedante p/ caixa de estore
1276

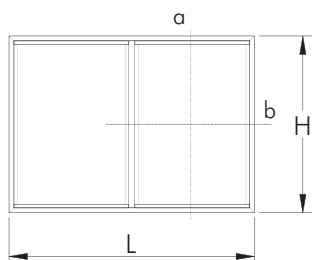
Aplicação de calços para vidro



0890/0891

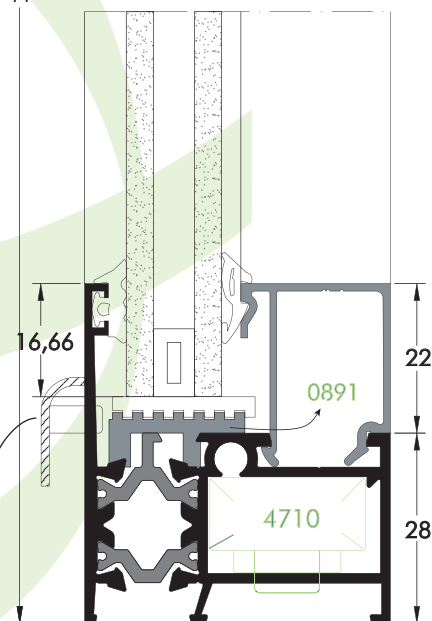
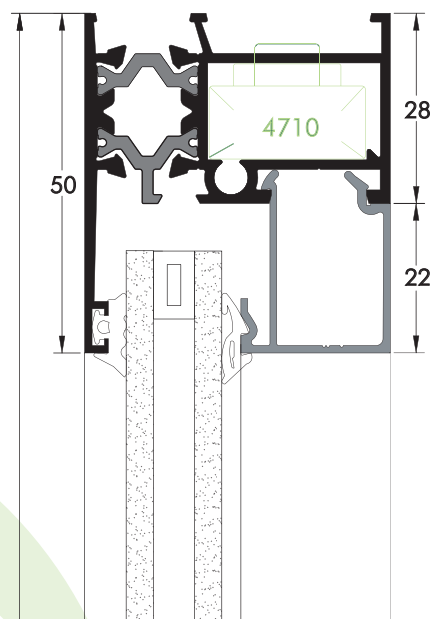
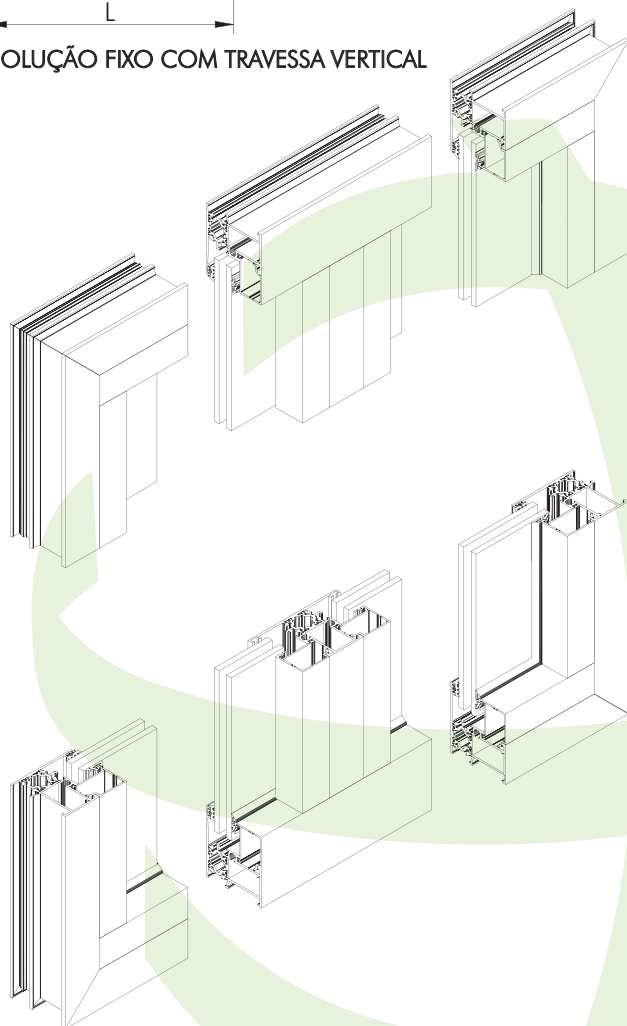


**Calços
0892**

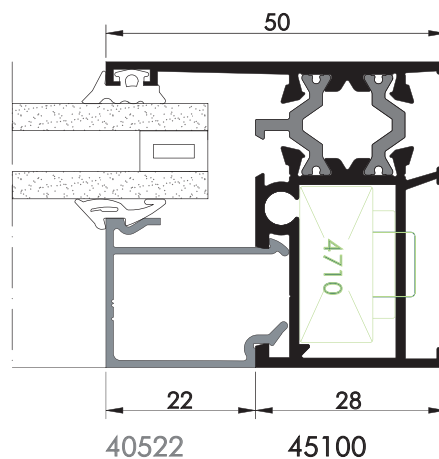
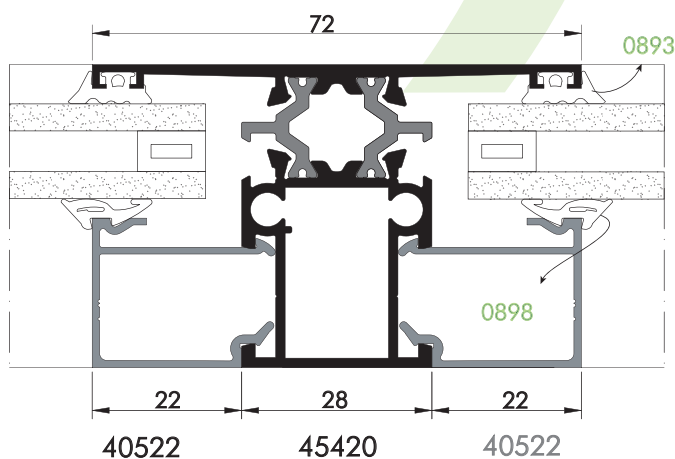


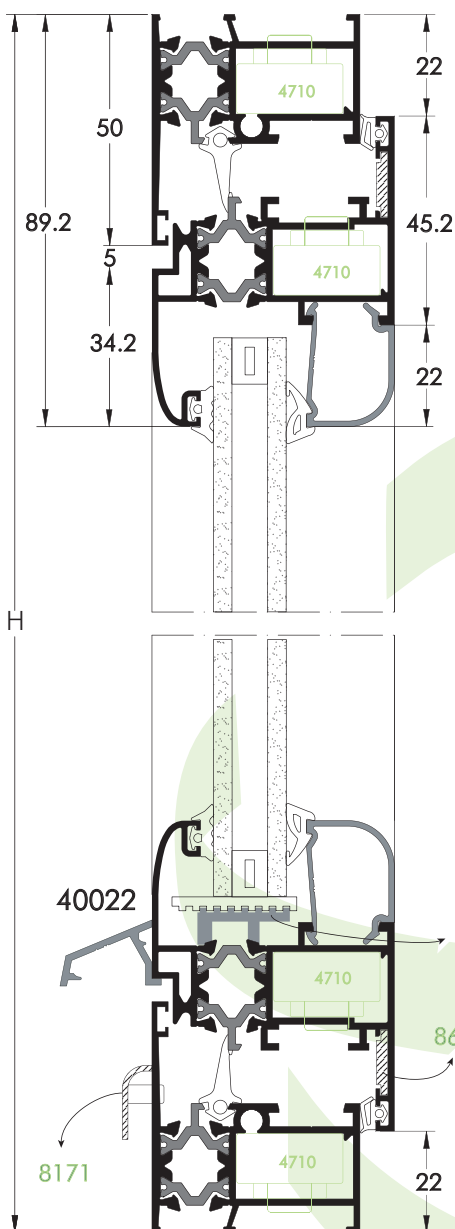
SOLUÇÃO FIXO COM TRAVESSA VERTICAL

secção A
E: 1/1

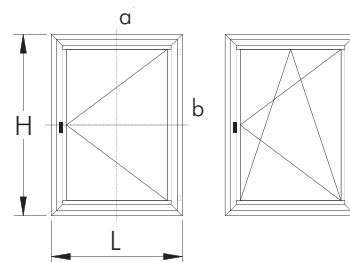


secção B
E: 1/1





secção A
E: 1/15



MEDIDAS DE CORTE PARA BATENTE

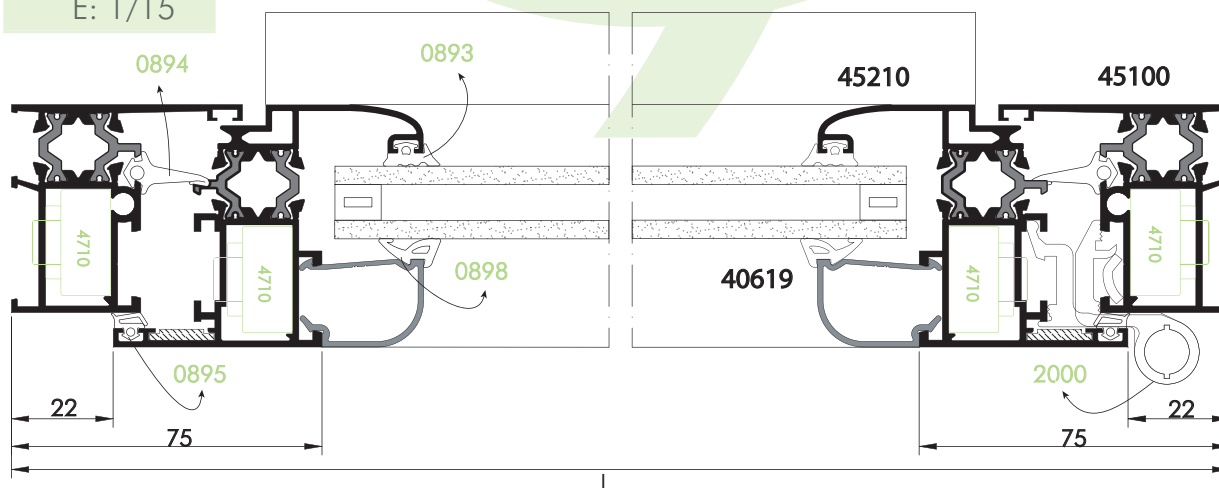
JANELA 1 FOLHA

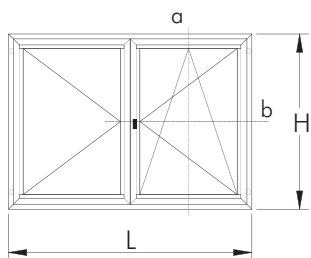
REF. ARO FIXO	ARO FIXO		FOLHA	
	H	L	H	L
45100	H	L	H-44	L-44
45110	H	L	H-44	L-44
45130	H	L	H-44	L-44
45170	H	L	H-44	L-44
45155	H	L	H-44	L-44
45140	H	L	H-75	L-75
45175	H	L	H-75	L-75
45135	H	L	H-99	L-99

JANELA 2 FOLHAS

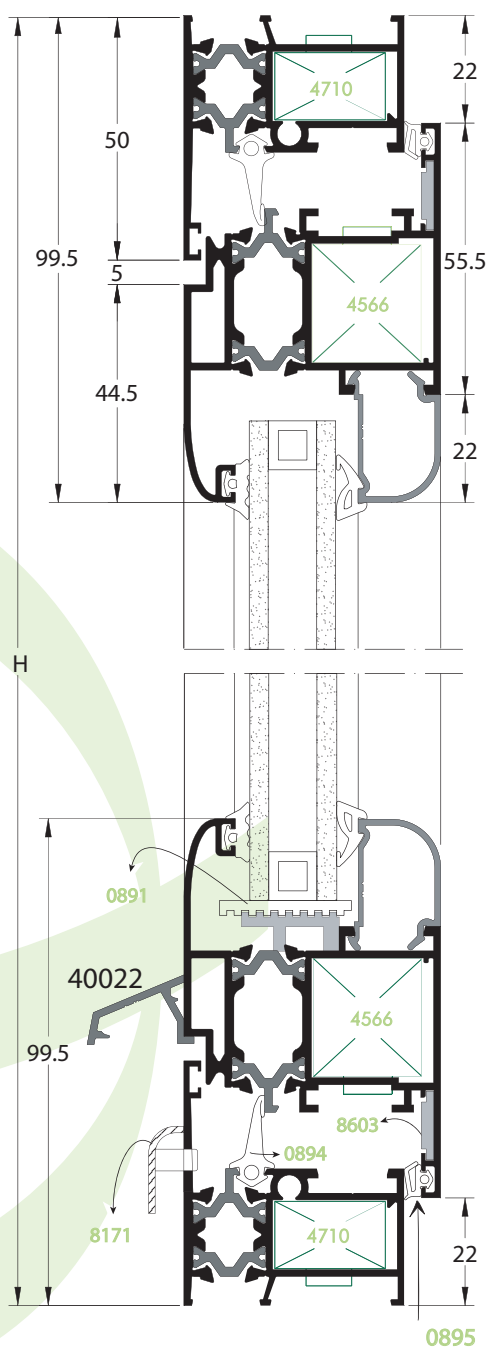
REF. ARO FIXO	ARO FIXO		FOLHA		INVERSOR H
	H	L	H	L	
45100	H	L	H-44	L/2-25	
45110	H	L	H-44	L/2-25	
45130	H	L	H-44	L/2-25	
45170	H	L	H-44	L/2-25	
45155	H	L	H-44	L/2-25	
45300					H-110
45370					H-110
45140	H	L	H-75	L/2-40	
45175	H	L	H-75	L/2-40	
45300					H-125.3
45370					H-125.3

secção B
E: 1/15





secção A
E: 1/15

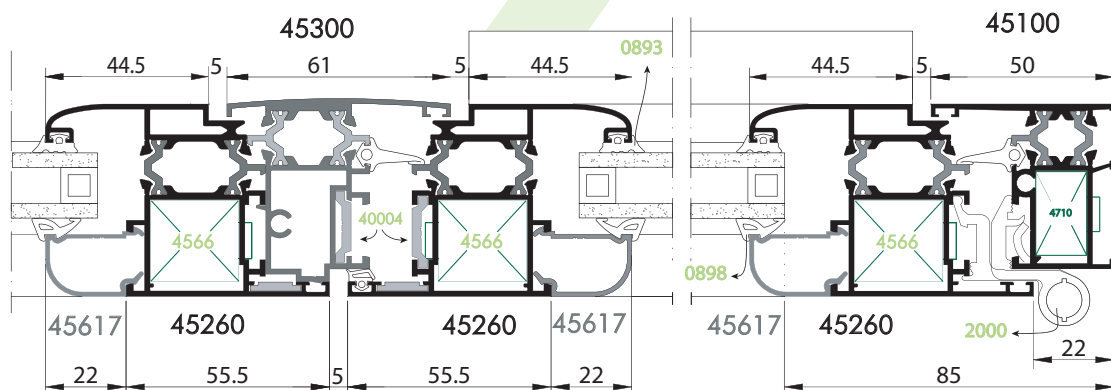


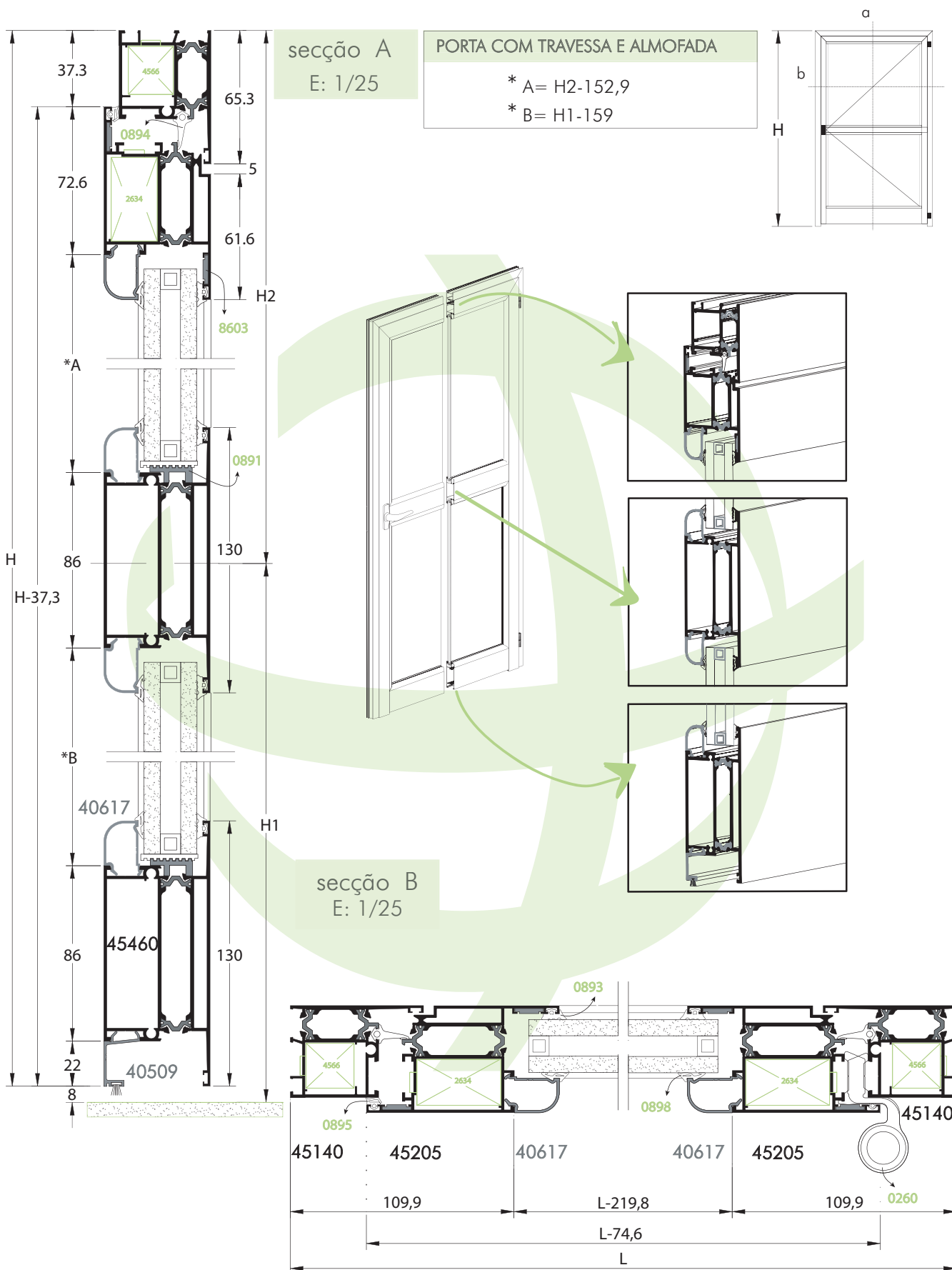
ACESSÓRIOS E MEDIDAS DE CORTE

JANELAS 1 FOLHA

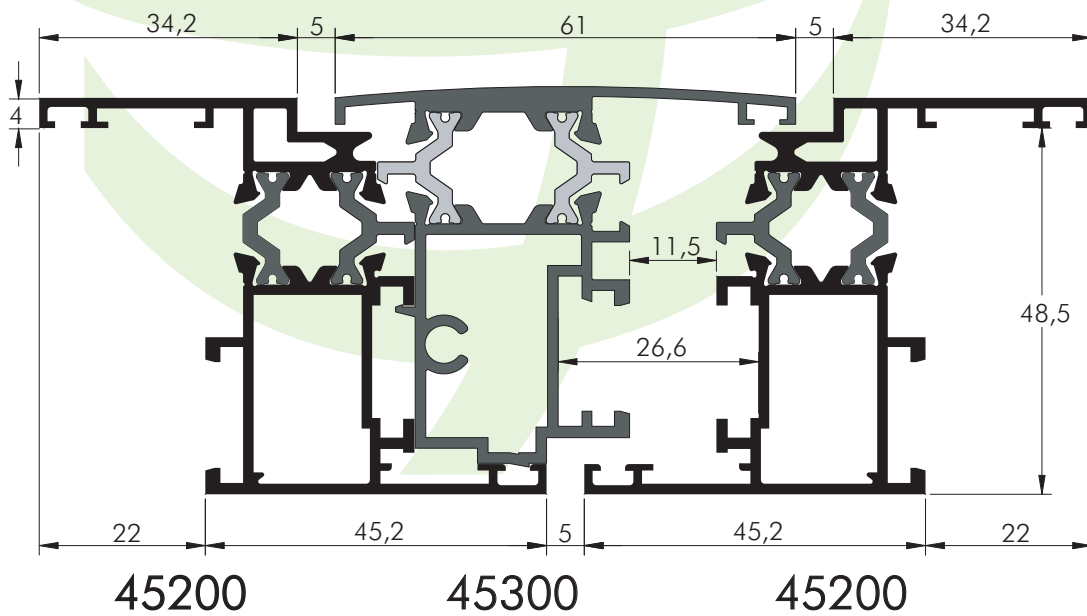
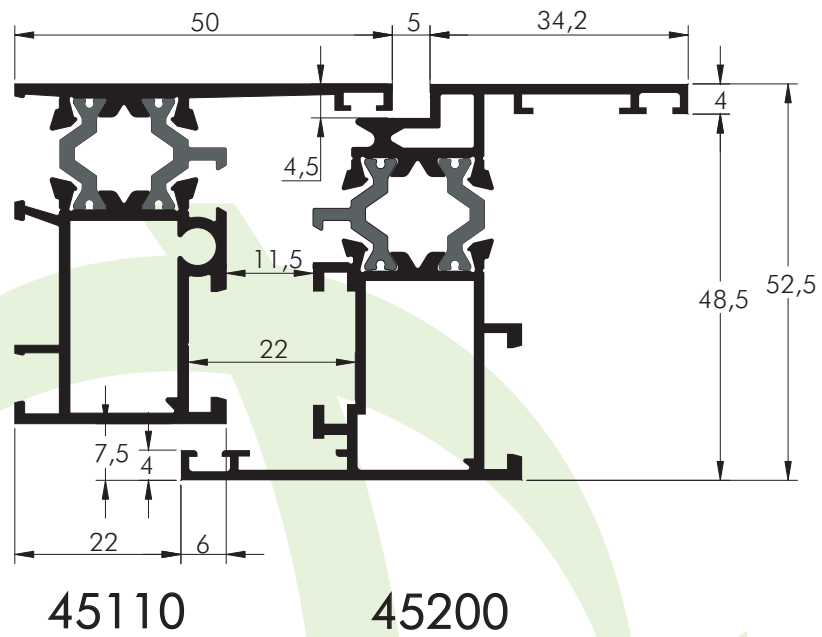
REF		1 FOLHA	2 FOLHAS	OB 1 FOLHA	OB 2 FOLHAS
4566	Esquadro p/ folha	8	12	8	12
0895	Vedante p/ aro	2H+2L	3H+2L	2H+2L	3H+2L
0894	Vedante central	2H+2L	3H+2L	2H+2L	3H+2L
0897	Vedante p/ vidro interior	2H+2L	4H+2L	2H+2L	4H+2L
2000D	Dobradiça montada direita	2	2	-	-
2000E	Dobradiça montada esquerda	-	2	-	-
1142	Fecho cremone	1	1	-	-
8707	Esquadro alinhamento p/ janela	4	8	4	8
8171	Goteira	2	4	2	4
2028	Tampas inversoras (conjunto)	-	1	-	1
3001	Kit p/ cremone 1 folha	1	-	-	-
3002	Kit cremone p/ 2 folhas	-	1	-	-
1800	Mecanismo base	-	-	1	1
1844	Compasso grande	-	-	1	1
ou					
1845	Compasso pequeno	-	-	1	1
3009	Fecho OB	-	-	-	1
1410	Dobradiça p/ 2ª folha	-	-	-	1

secção B
E: 1/20



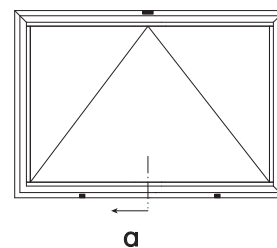
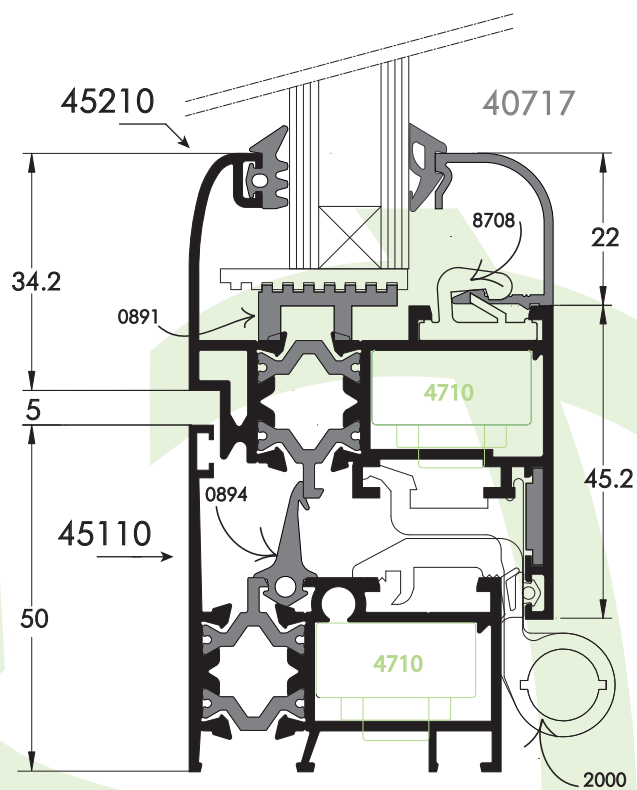


COTA BASE DO SISTEMA



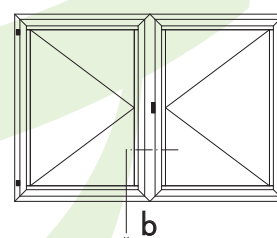
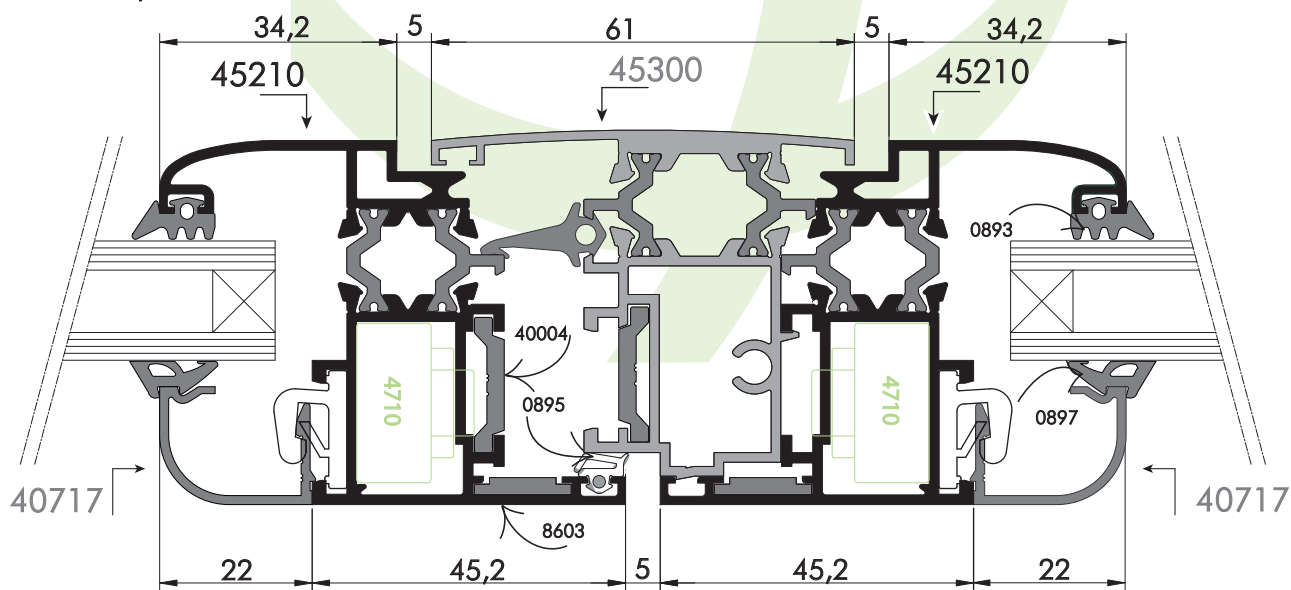
Secção janela basculante

a'
E: 1/1



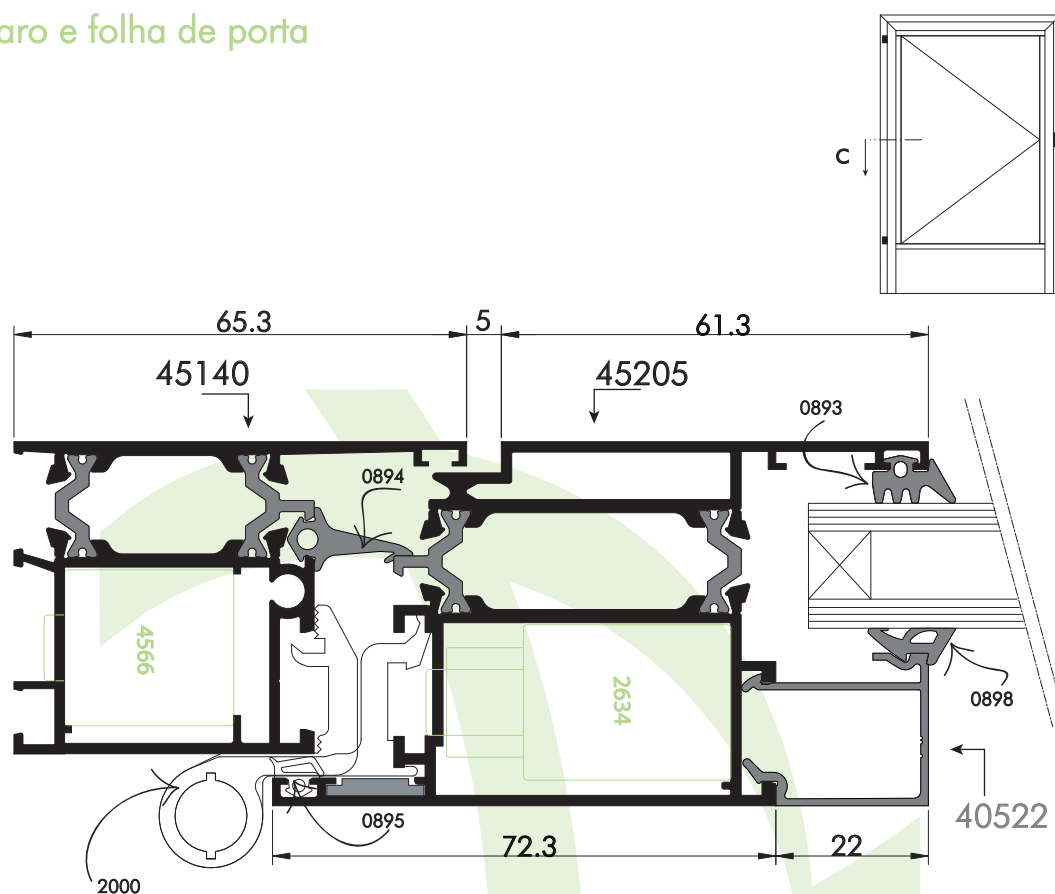
Secção central da janela

b
E: 1/1



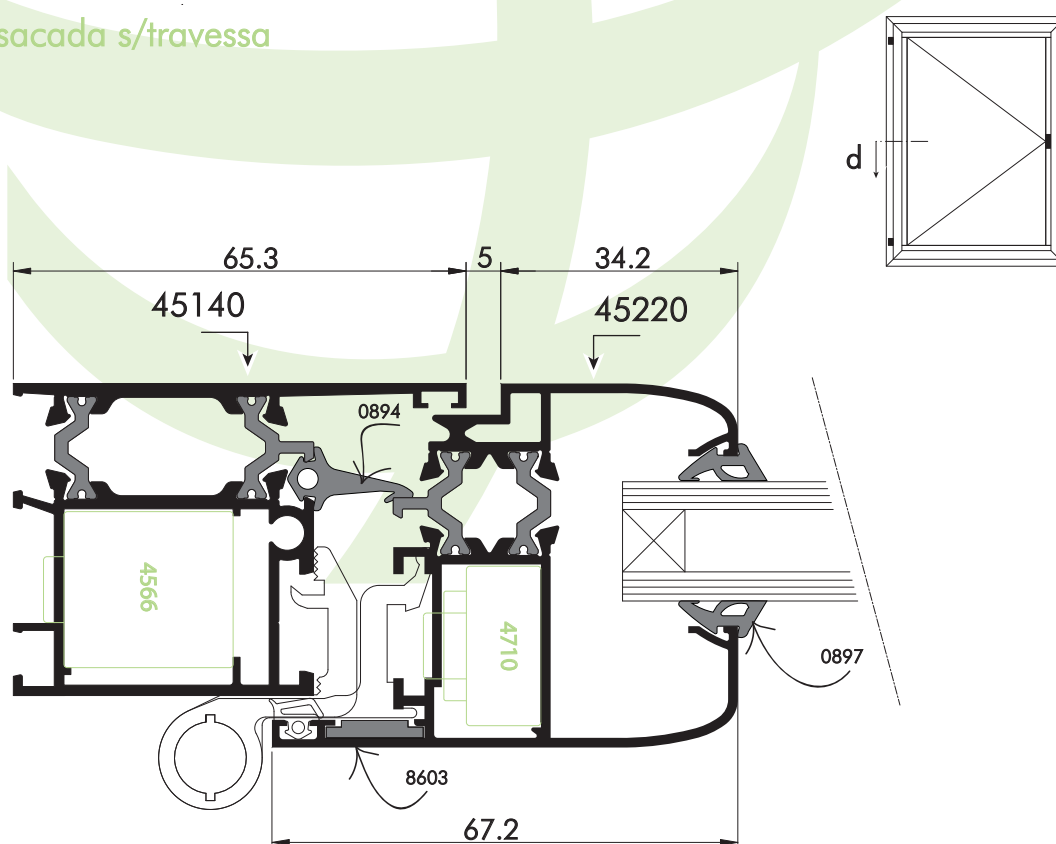
Secção de aro e folha de porta

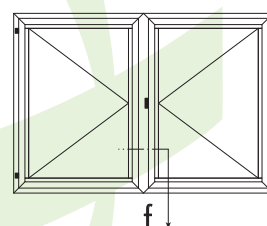
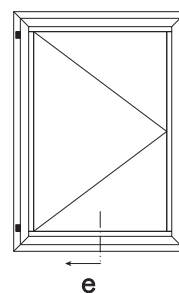
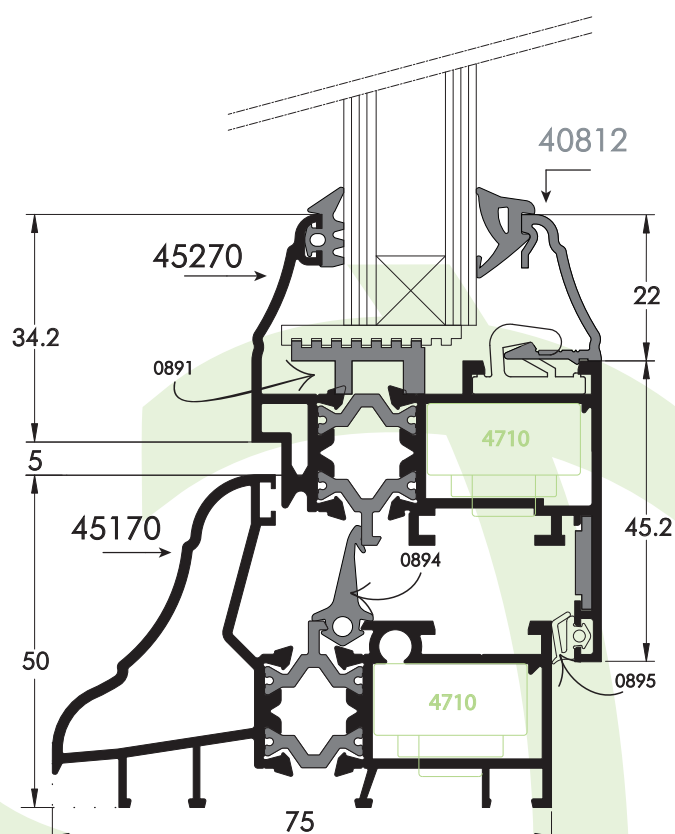
$\frac{c'}{E: 1/1}$



Secção de sacada s/travessa

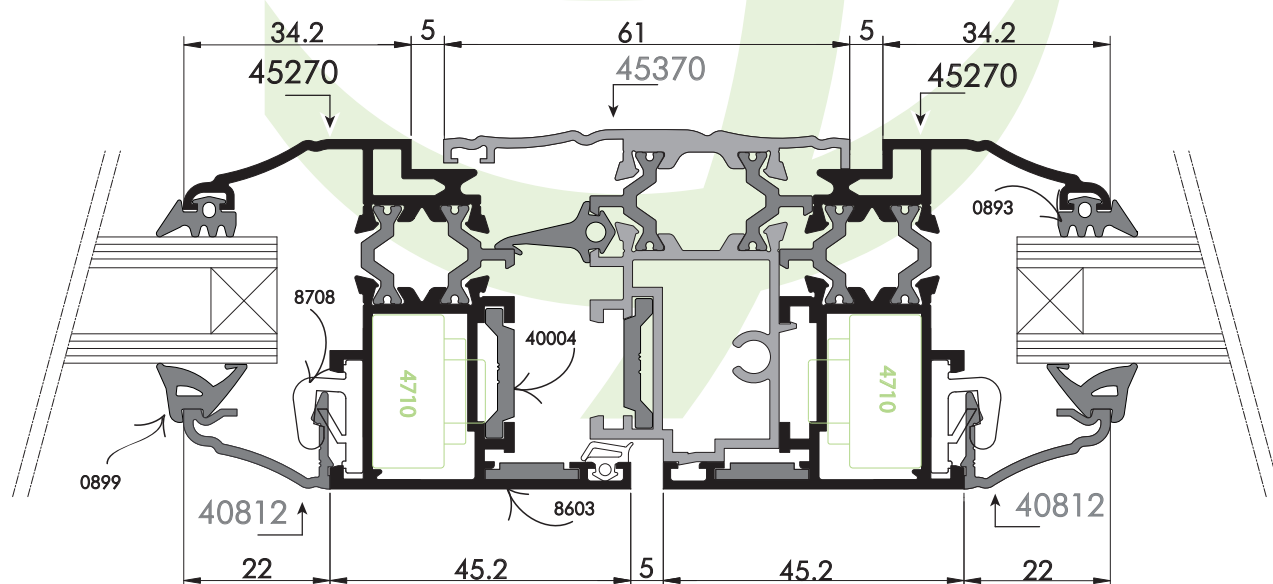
$\frac{d}{E: 1/1}$



$$\begin{array}{c} e' \\ \xrightarrow{\quad} \\ E: 1/1 \end{array}$$


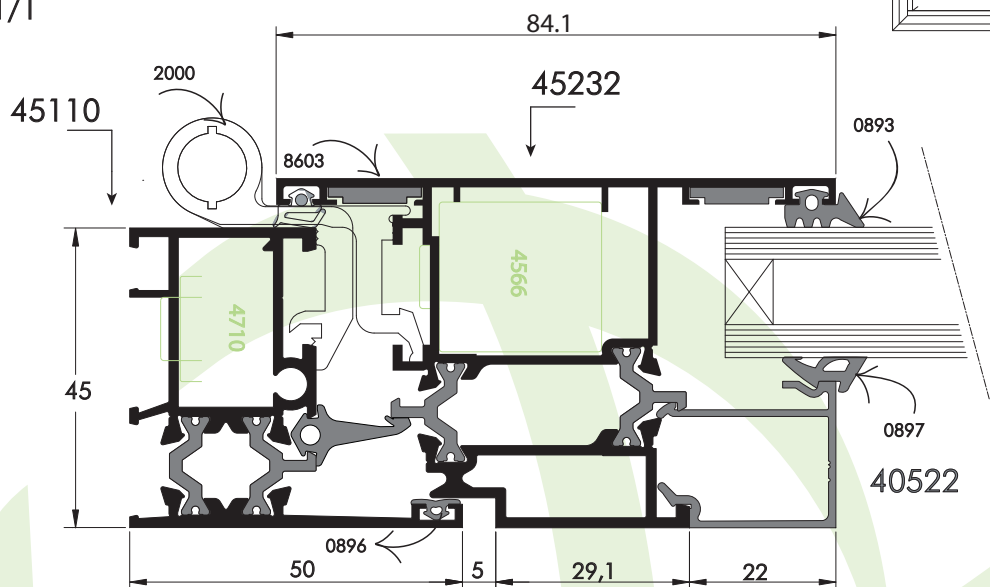
Secção central

f
E: 1/1



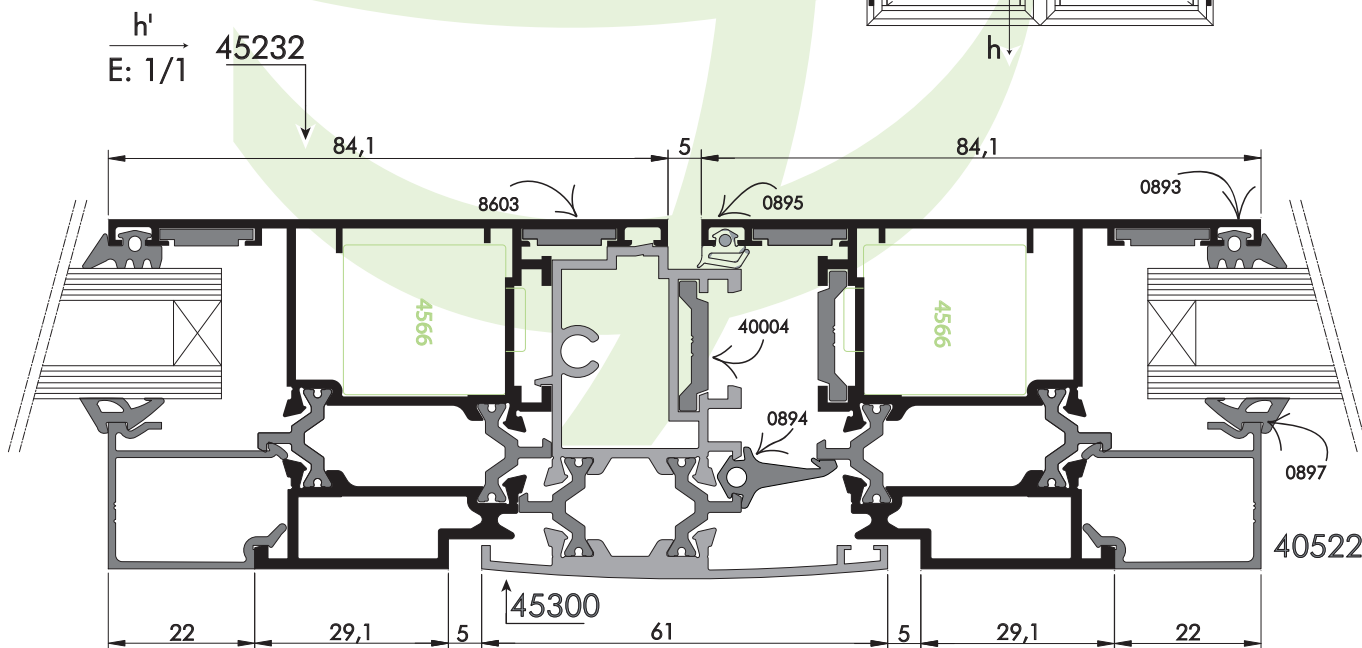
Secção de sacada de abertura exterior

$\frac{g'}{E: 1/1}$



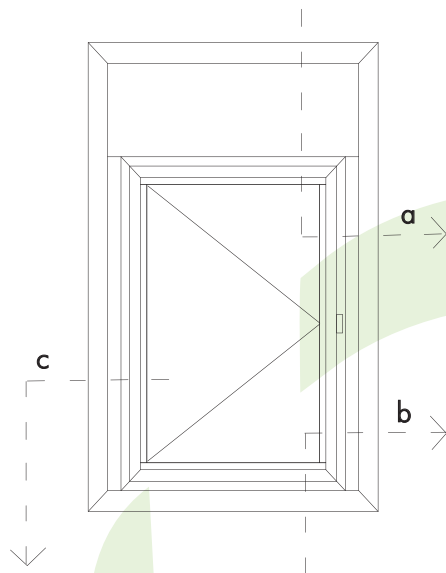
Secção central de sacada c/abertura exterior

$\frac{h'}{E: 1/1}$

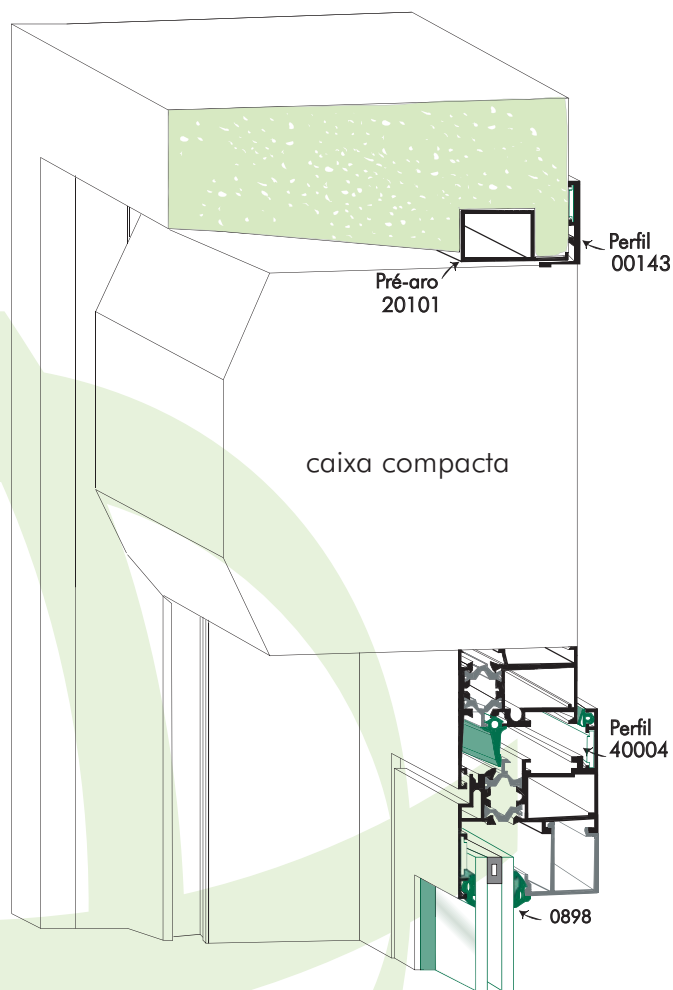


Perfil monobloco c/pré aro

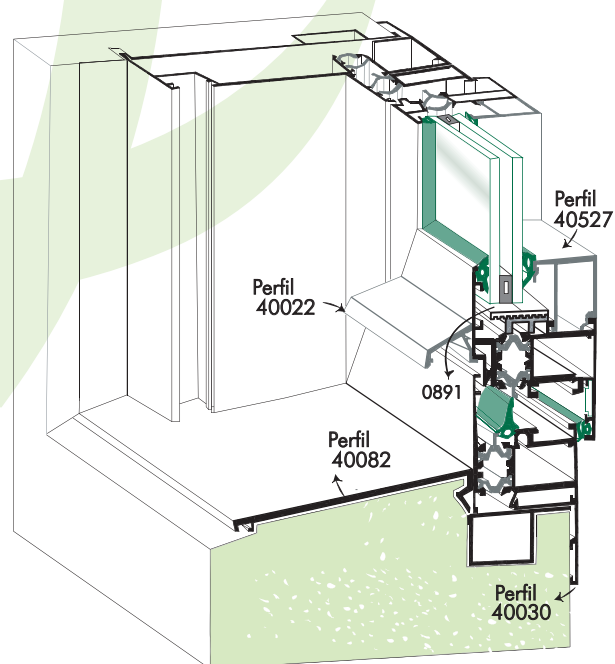
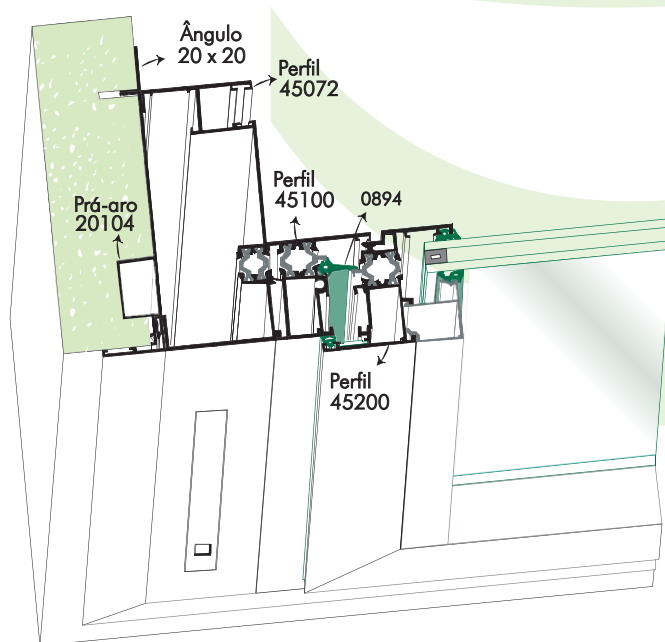
A' seção vertical



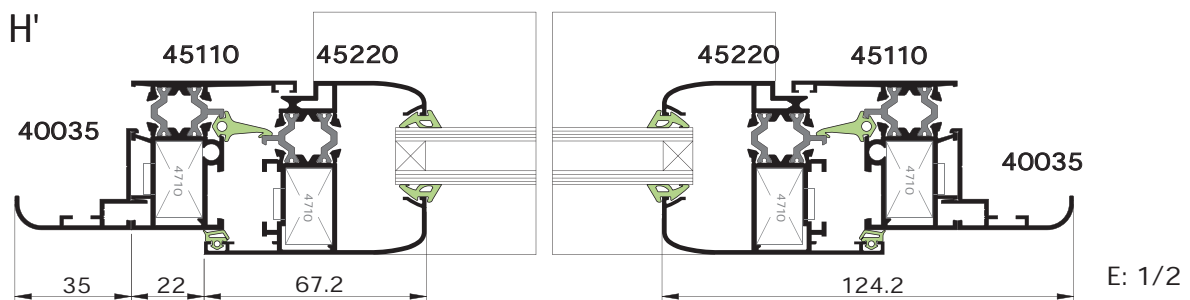
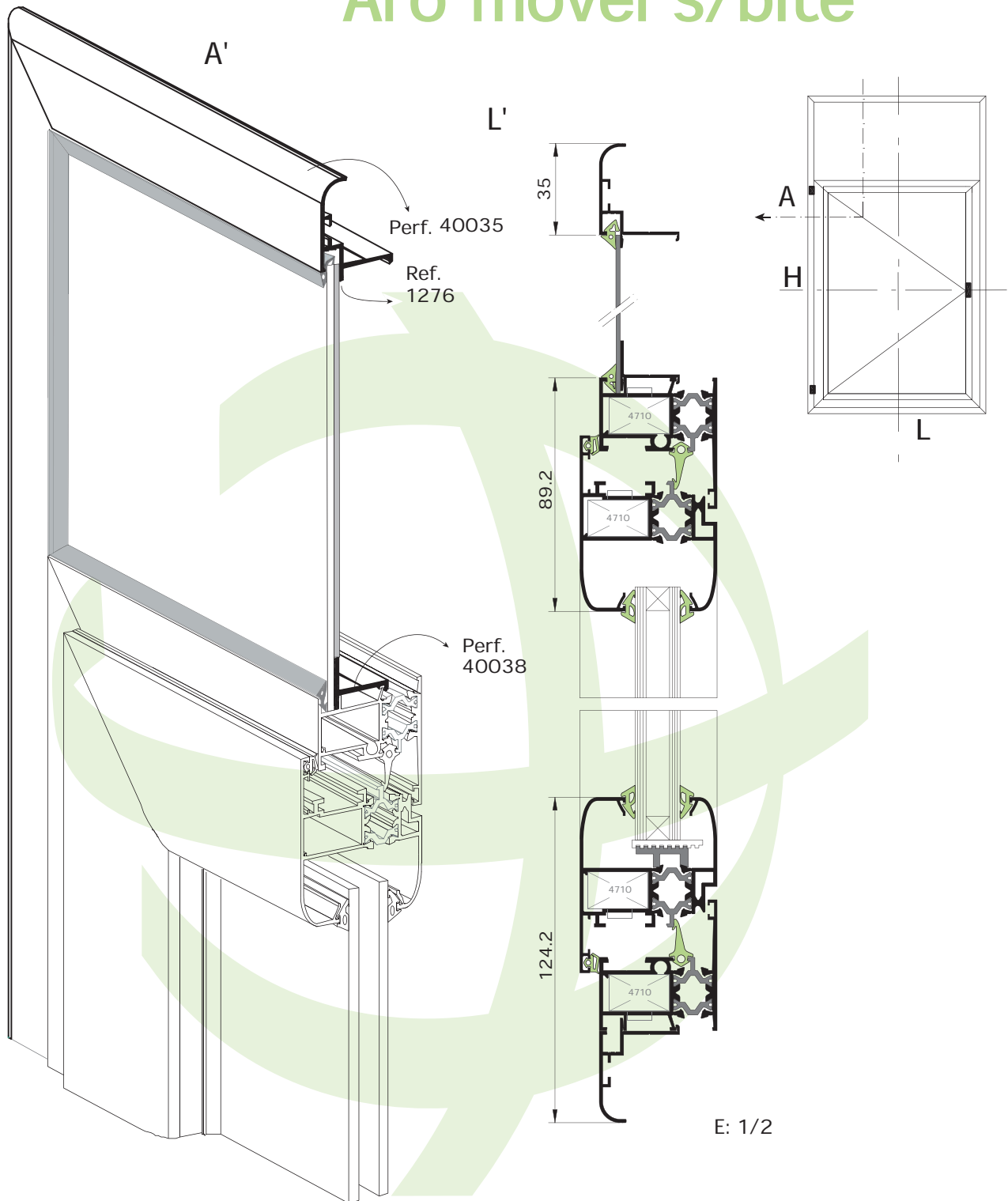
C' seção horizontal

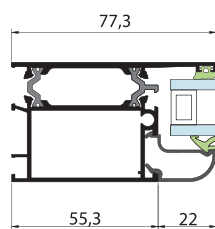
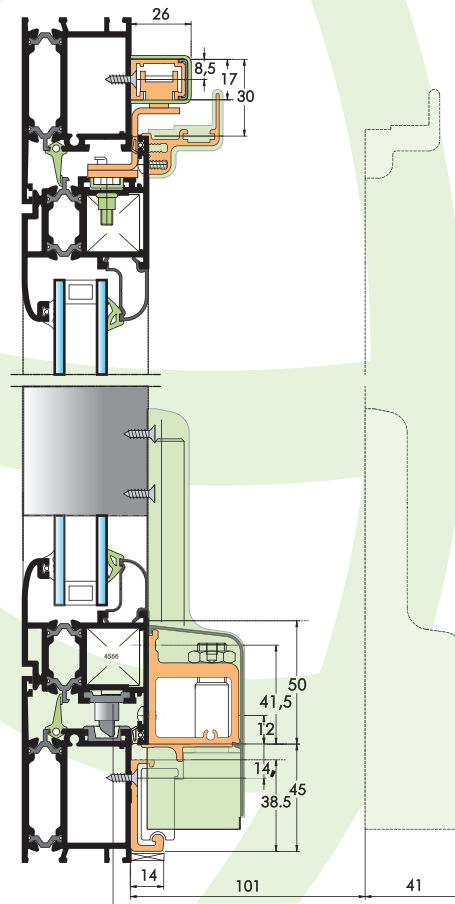
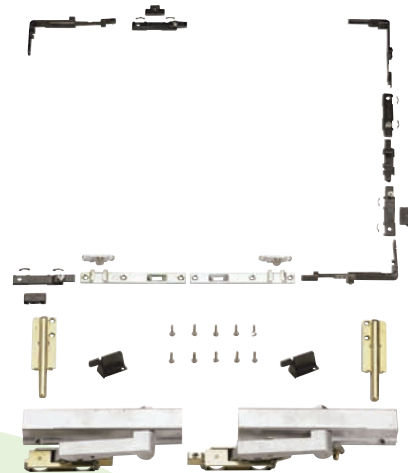
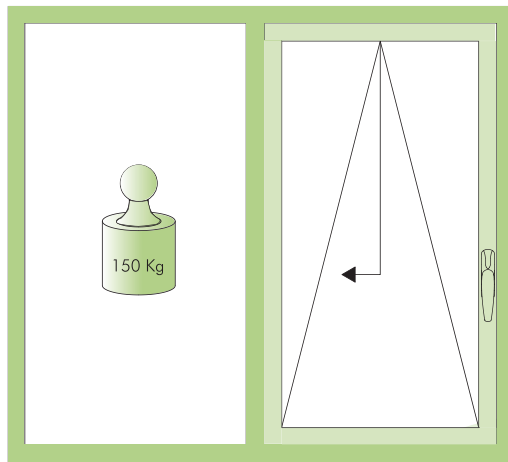


B' seção vertical

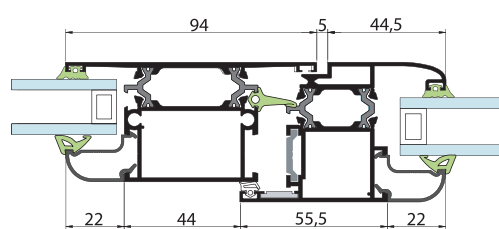


Aro móvel s/bite

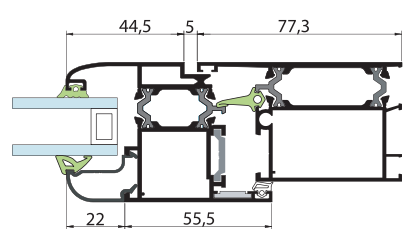




45135

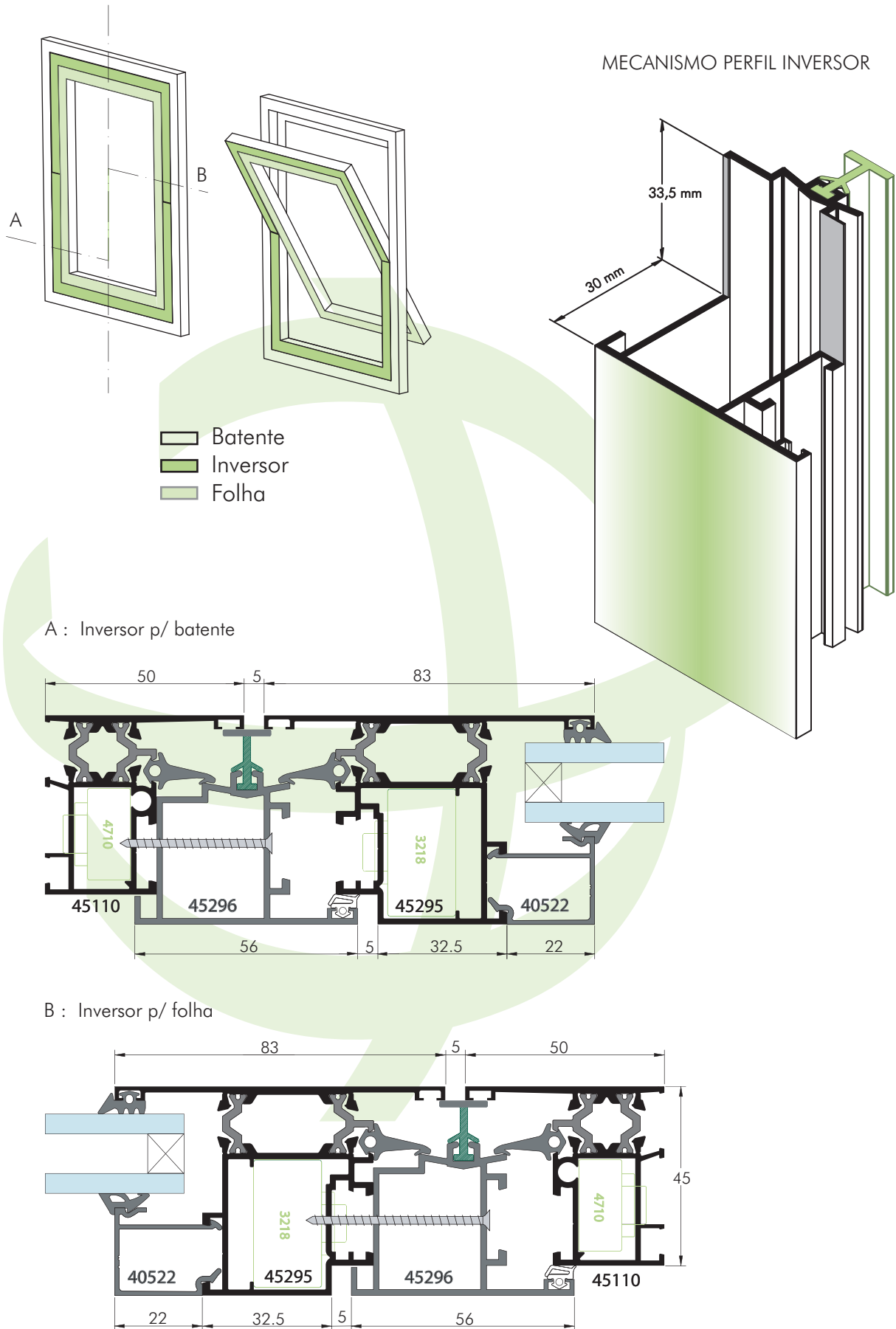


45440



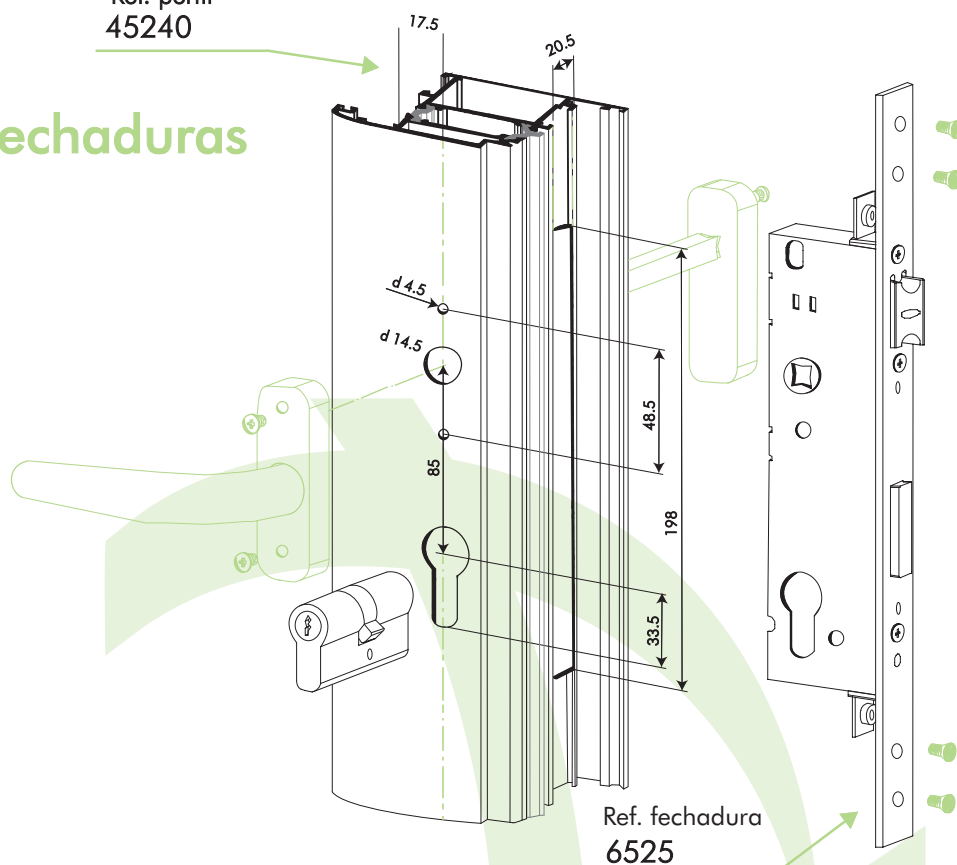
45260

MECANISMO PERFIL INVERSOR



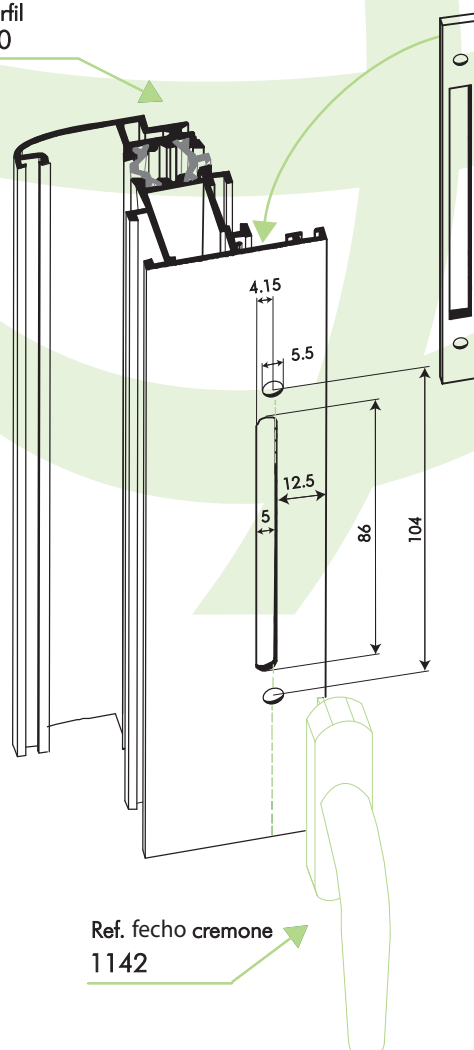
Aplicação de fechaduras

Ref. perfil
45240

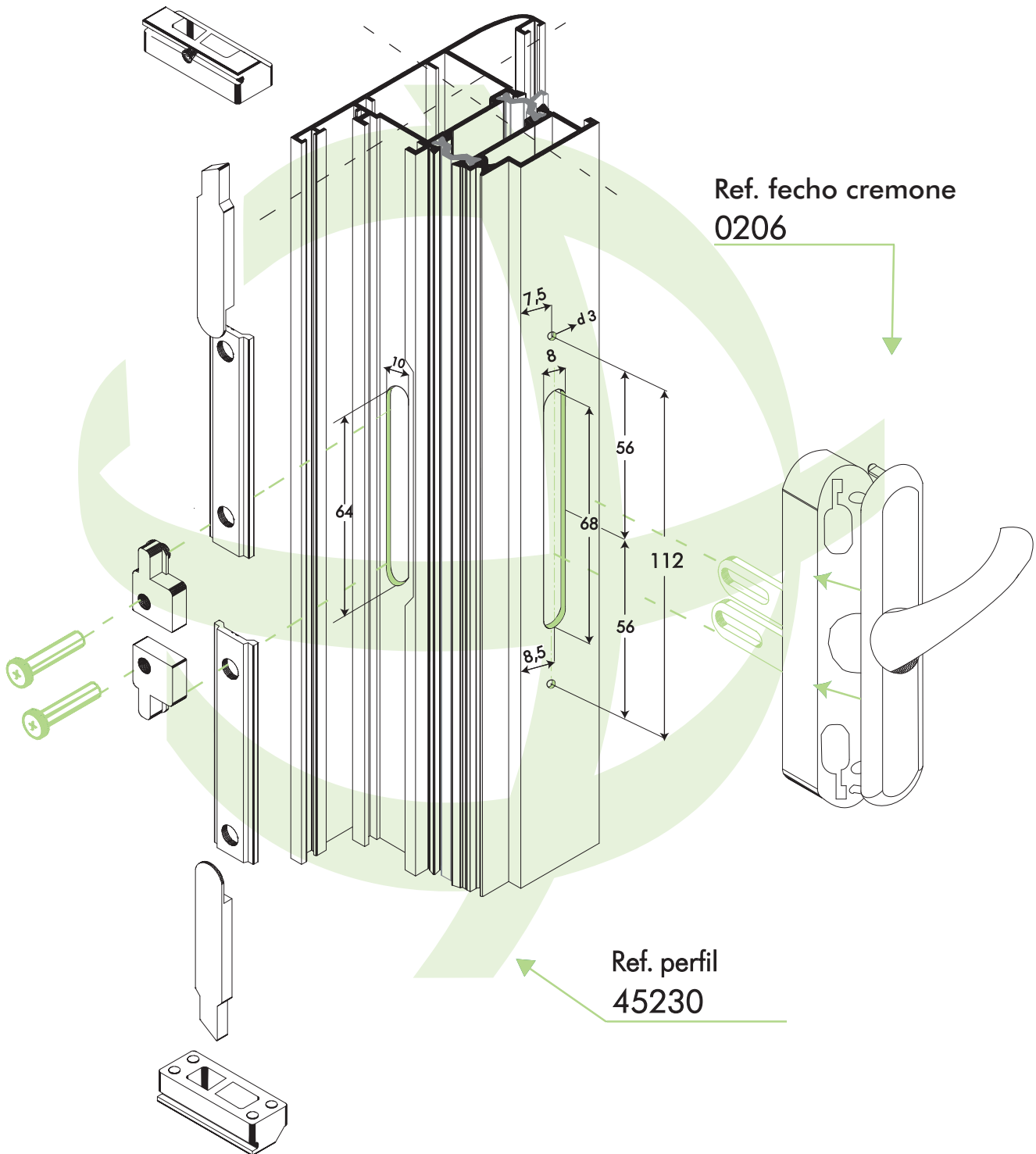


Aplicação de cremones

Ref. perfil
45210

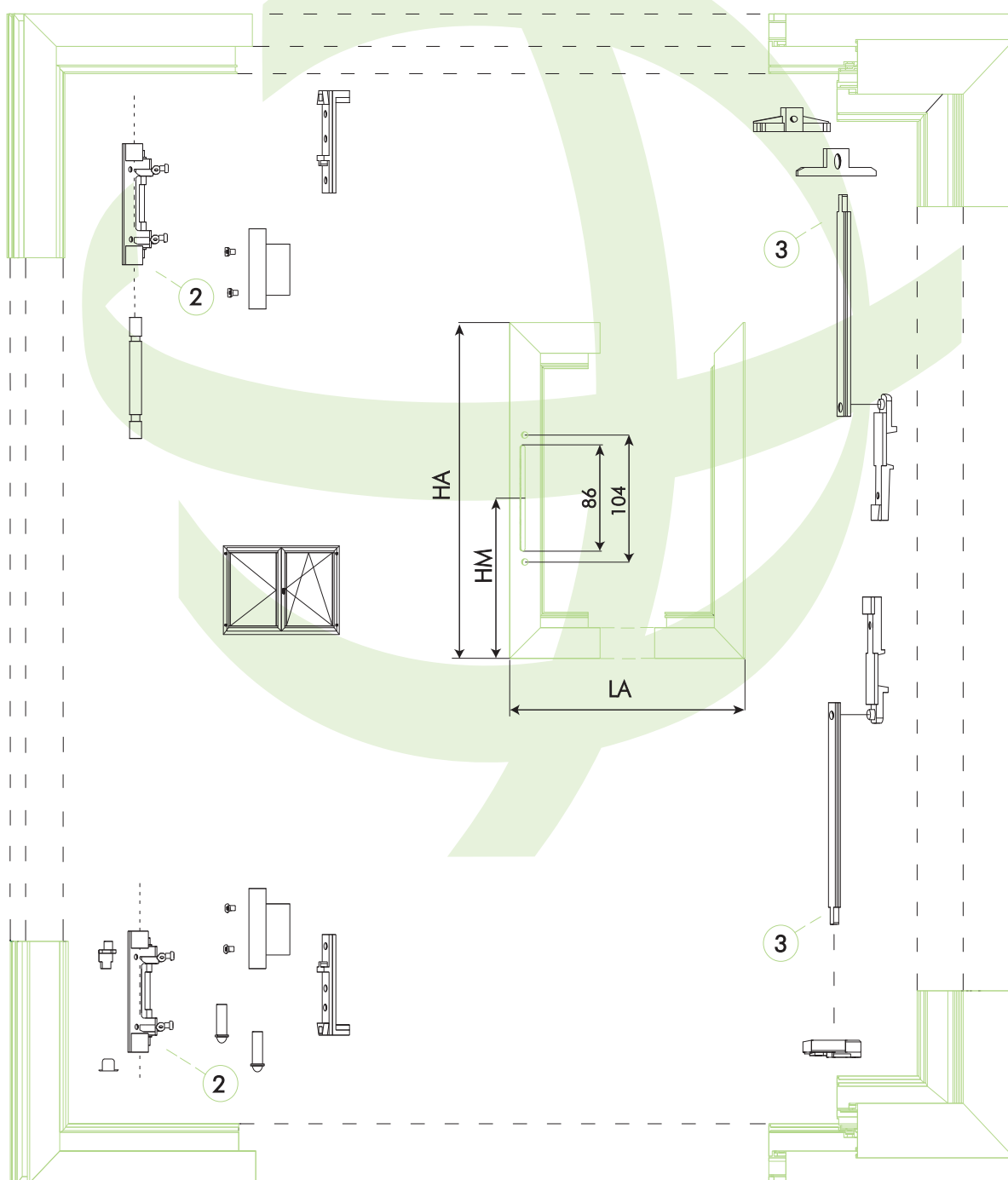


Aplicação de Cremones abertura exterior



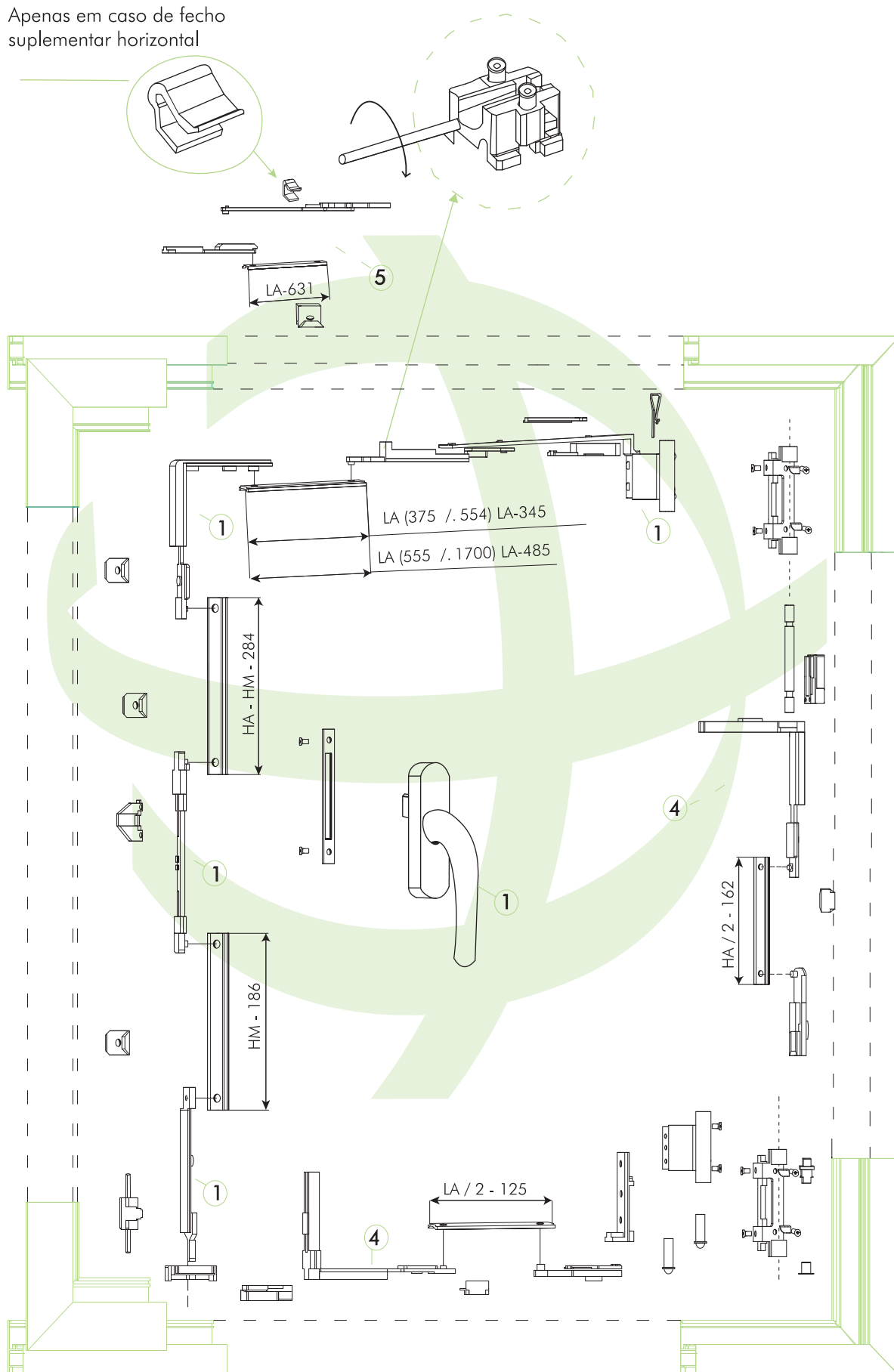
Aplicação OB 1 folha / 2 folhas

N	ARTIGO	DESCRIÇÃO
1	1800	Mecanismo base Kit dobradiças OB 1 folha 70 kg. Cremone Máxima OB
2	1410	Kit dobradiças 2ª folha OB + cremone
3	1768	Conjunto fechos 2ª folha OB
4	1843	Fecho suplementar horizontal / vertical OB
5	1846	Braço suplementar OB

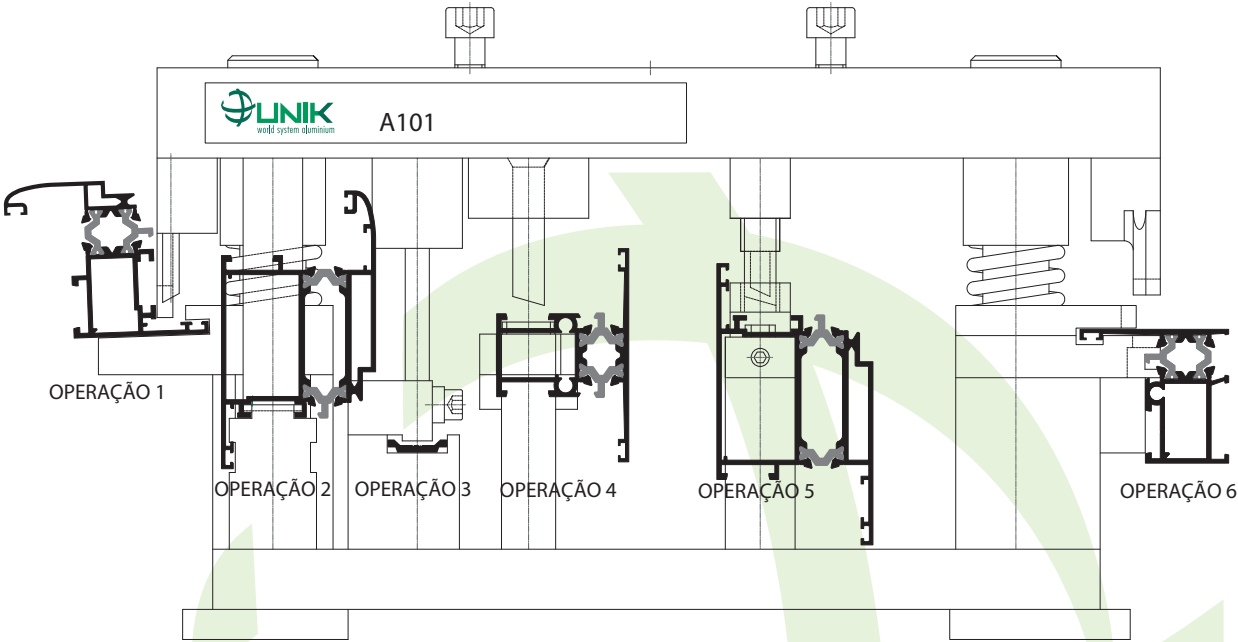


Aplicação OB 1 folha / 2 folhas

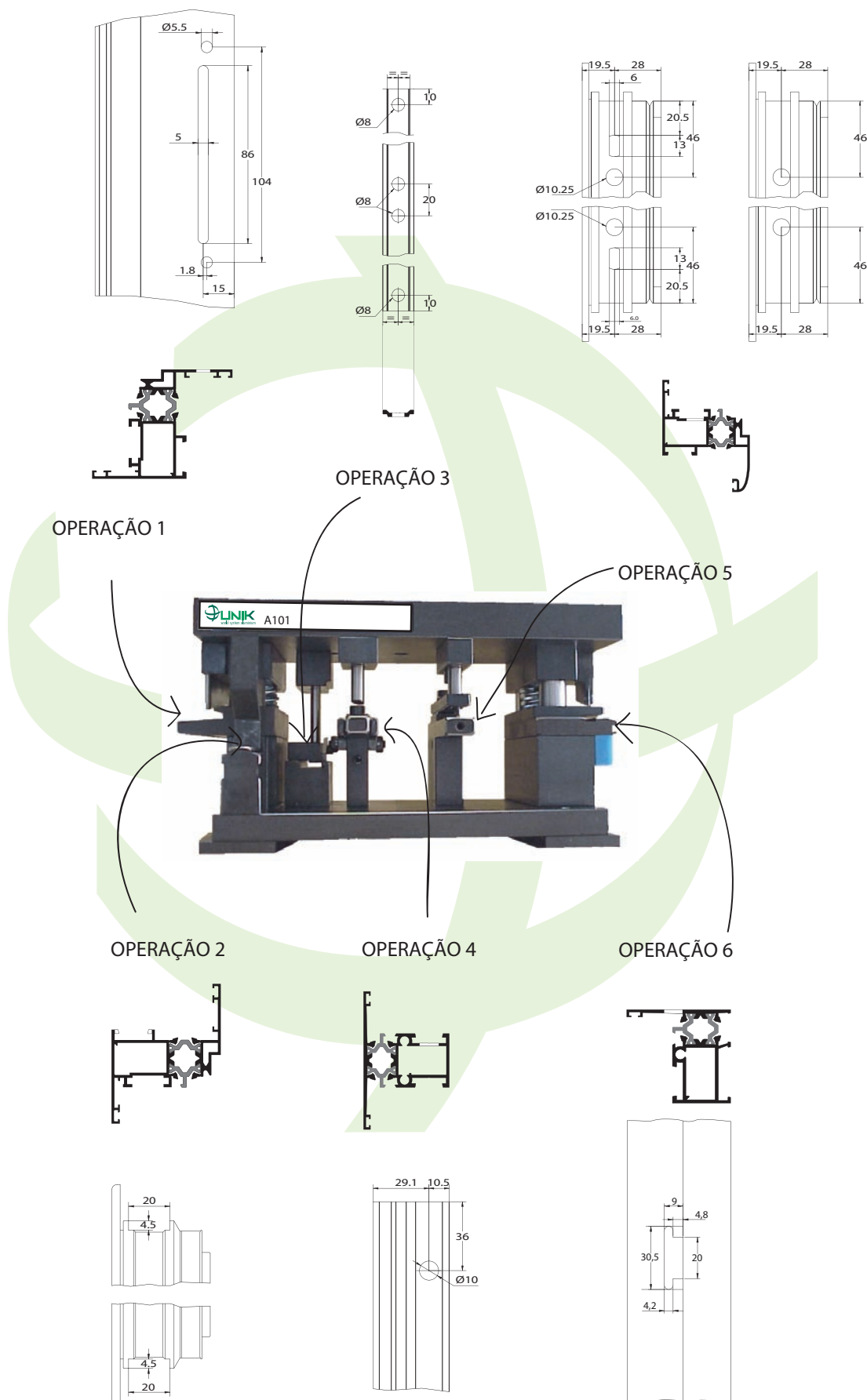
Apenas em caso de fecho
suplementar horizontal



CUNHO BATENTE UNIK A101



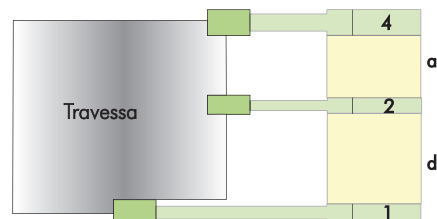
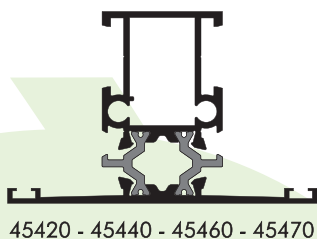
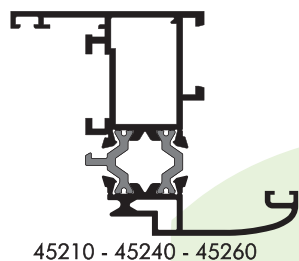
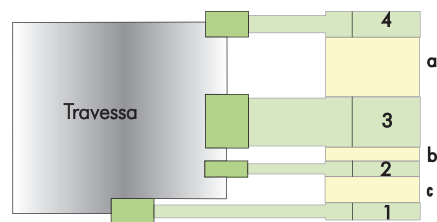
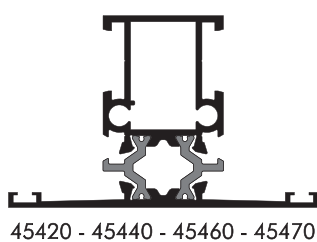
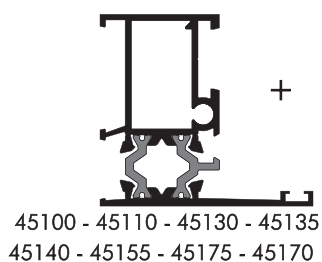
OPERAÇÃO 1	OPERAÇÃO 2	OPERAÇÃO 3	OPERAÇÃO 4	OPERAÇÃO 5	OPERAÇÃO 6
45200	45200	40004	45420	GUIA E	45100
45205	45205		45421	45140	45110
45210	45210		45440	45175	45130
45220	45220		45441	45230	45135
45230	45230			45260	45140
45240	45240				45420
45260	45260			GUIA F	45421
45270	45270			45135	45440
45285	45285			45205	45441
				45240	45460
				45285	45461
				SEM GUIAS	45470
				45100	
				45110	
				45130	
				45155	
				45170	
				45200	
				45210	
				45220	
				45270	



AROS FIXOS / AROS MÓVEIS CURVOS

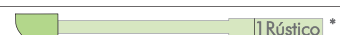
TRAVESSA

Grupo Fresas 0313



* 45270 - 45272 - 45285

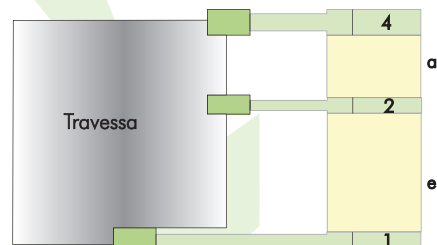
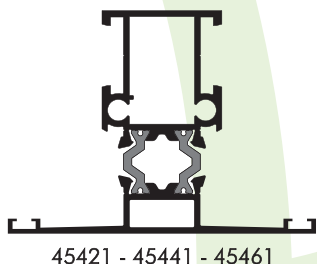
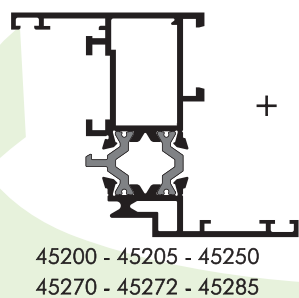
Pedir à parte, não está incluído no grupo de fresas



ARO MÓVEL

TRAVESSA

Grupo Fresas 0313



ARO MÓVEL VIDRO DIRECTO

ALMOFADA

Grupo Fresas 0313

