



# *Hard***Door**

A.055

*portas de uso intensivo*

LOU / ALU

## Tipologia de abertura

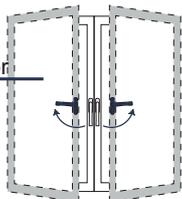
# A.055

## SISTEMA DE PORTAS

## Portas pedonais. Utilização severa

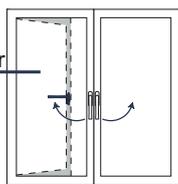
### Batente interior

máx. 160 Kg  
POR FOLHA



### Batente exterior

máx. 160 Kg  
POR FOLHA



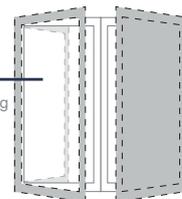
### Pivotante

máx. 250 Kg  
POR FOLHA



### Vaivém

máx. 120 Kg  
POR FOLHA



Solução testada por organismo certificado para uma utilização severa:  
1 000 000 ciclos de abertura.

Soleira lisa para uma melhor acessibilidade a deficientes motores  
(compatível com os restantes sistemas Extrusal)



Altura = [1900 ; 3000] mm  
Largura = [600 ; 1200] mm

Espessura do vidro  
10 - 12mm (vidro simples)

## Ensaio do tipo inicial (ITT)

Boletim de ensaio nºHIG 088/2012  
Organismo notificado nº 2211



## Coefficiente de transmissão térmica

Valor declarado de referência



Dimensão: 1200mm x 3000mm

Vidro Ug	Janela Uw
2.8 W/m <sup>2</sup> K <sup>-1</sup>	3.1 W/m <sup>2</sup> K <sup>-1</sup>
1.6 W/m <sup>2</sup> K <sup>-1</sup>	2.3 W/m <sup>2</sup> K <sup>-1</sup>

Nota: Valor variável de acordo com a tipologia construtiva e composição do vidro.

## Desempenho acústico

Informação de cálculo nº 12\_00862  
Organismo notificado nº 1292



Vidro Rw (C; Ctr)	Janela Rw (C; Ctr)	
	Área ≤ 3.6 m <sup>2</sup>	Área > 4.6 m <sup>2</sup>
33(-1;-2) dB	32(-1;-2) dB	29(-1;-2) dB
34(-1;-3) dB	33(-1;-3) dB	30(-1;-3) dB
35(-1;-4) dB	34(-1;-4) dB	31(-1;-4) dB

Boletim de ensaio nºHIG 414/12  
Organismo notificado nº 2211



Dimensão: 2400mm x 3000mm(\*\*)

(\*\*)Porta de abrir composta por duas folhas giratórias de abertura para o interior.

## Sistema de etiquetagem energética de produtos

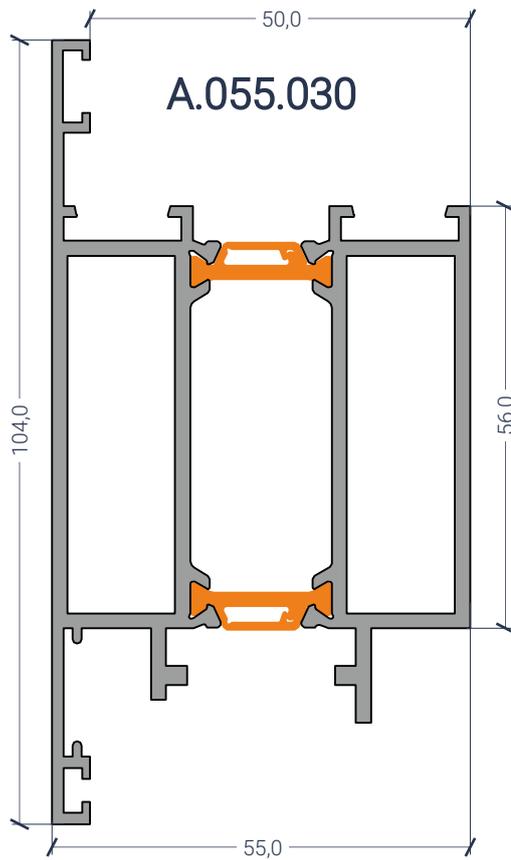
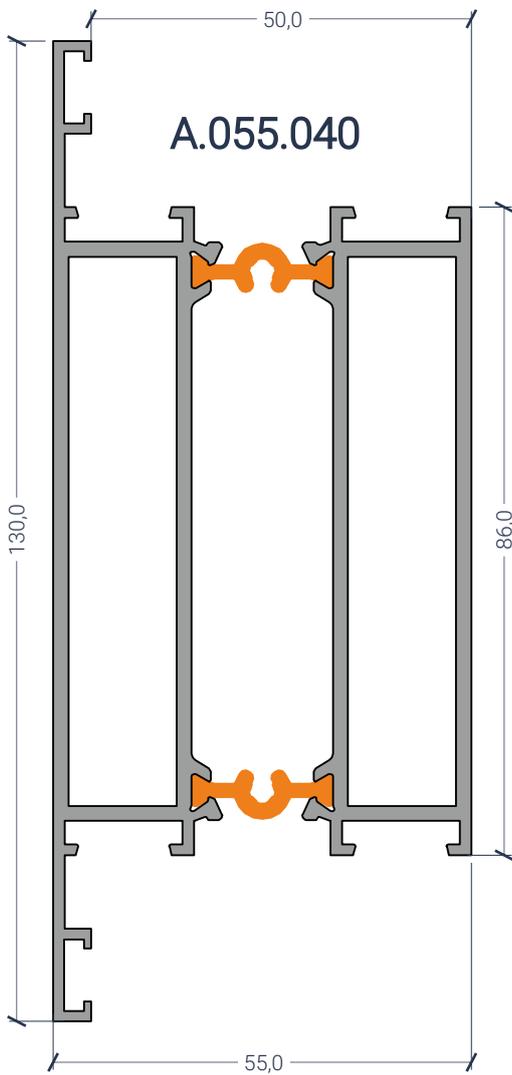
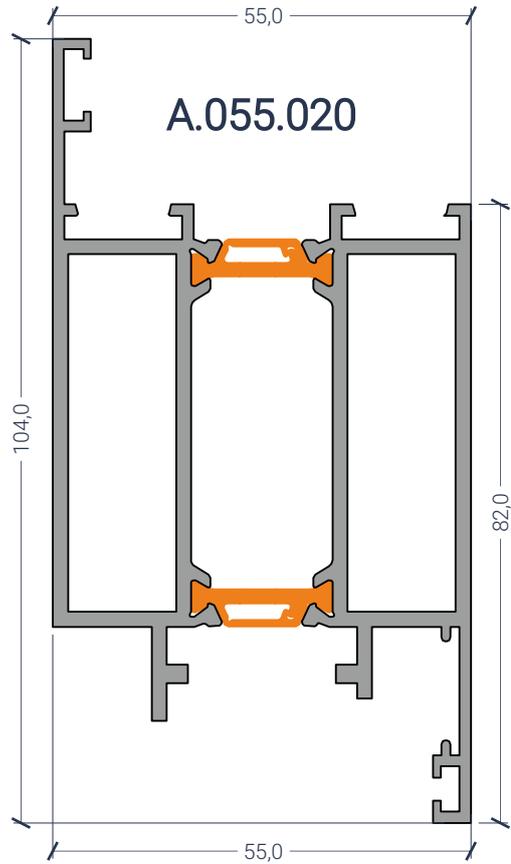
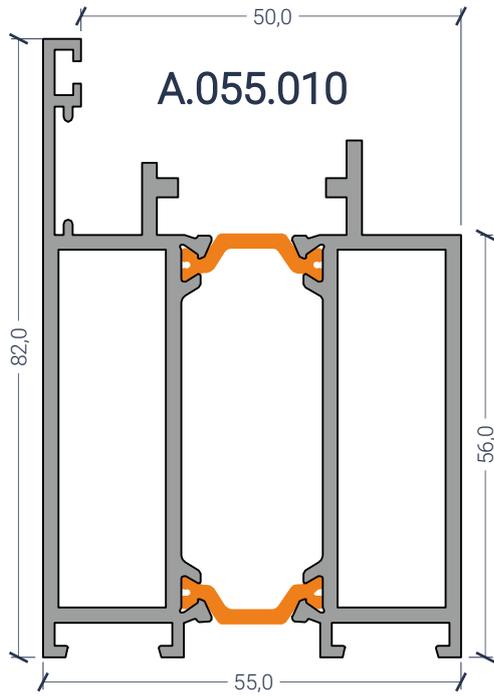
**CLASS**

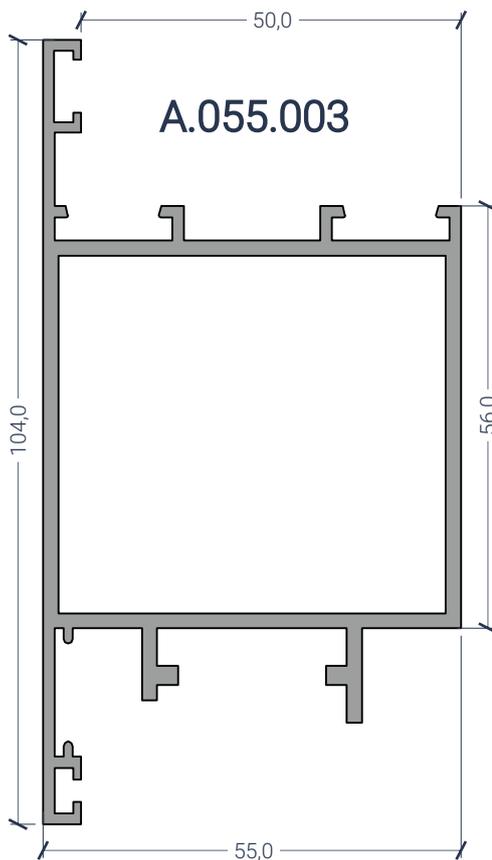
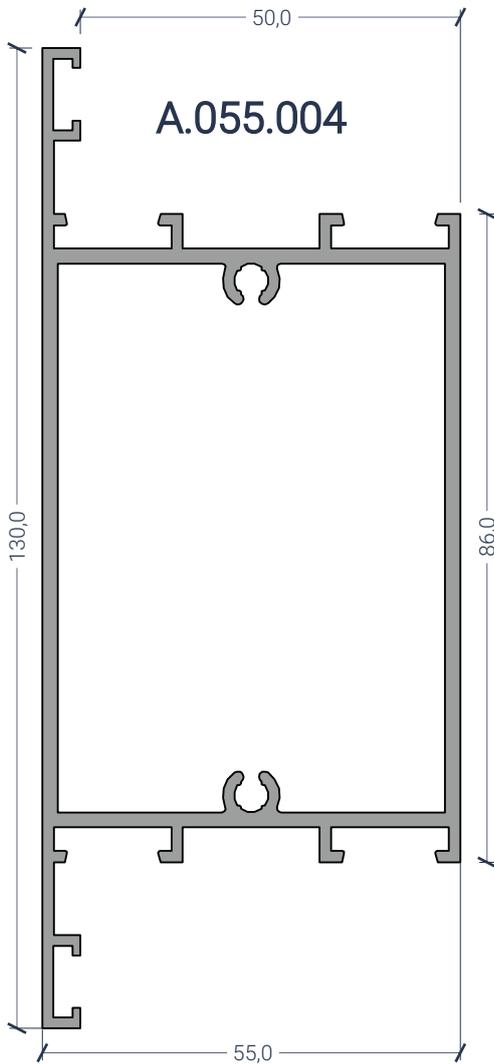
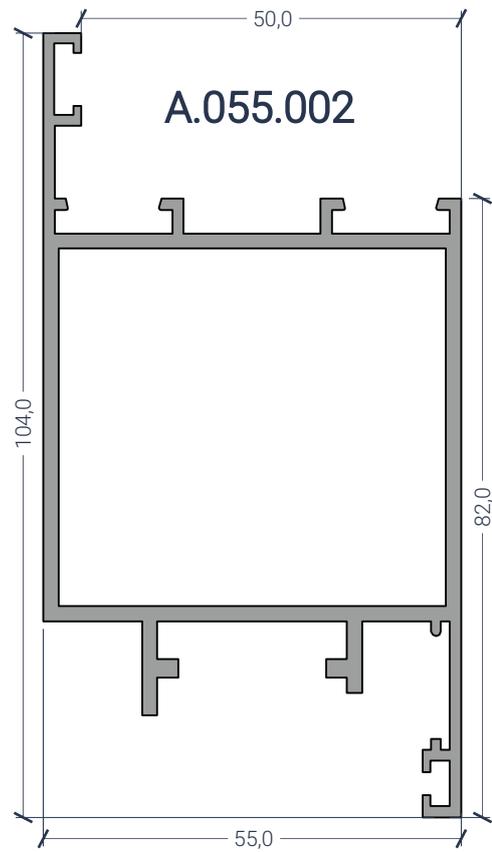
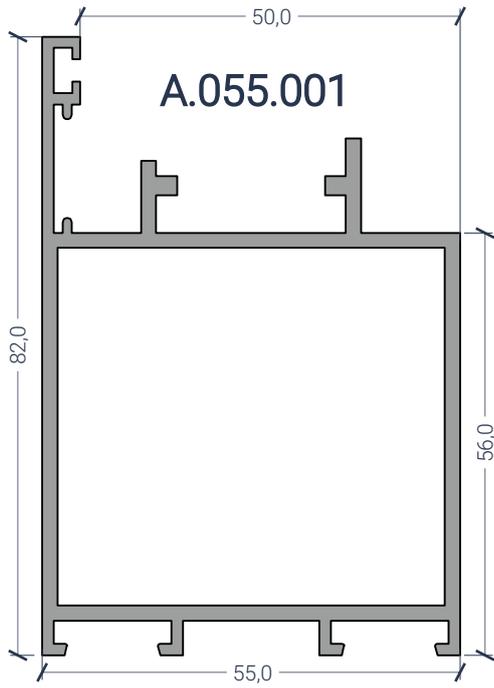


**A.055**

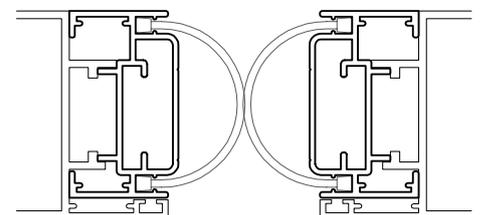
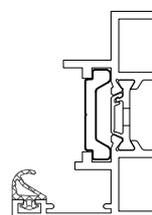
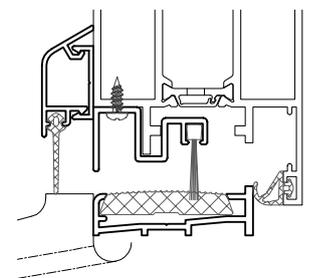
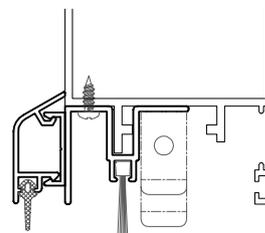
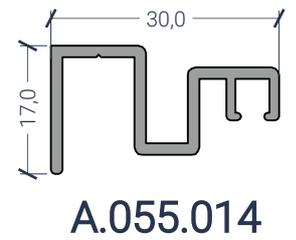
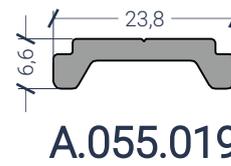
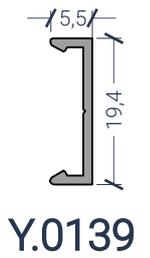
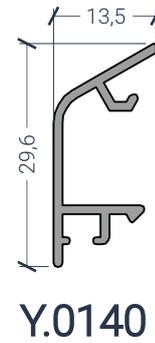
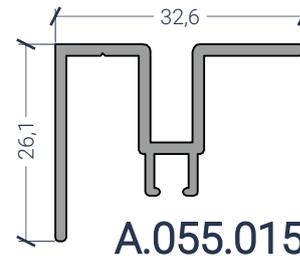
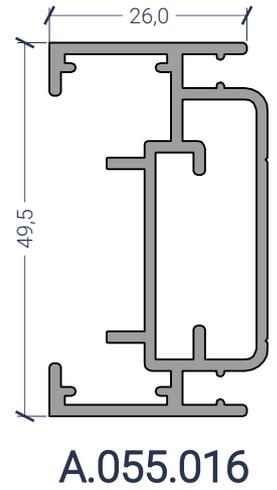
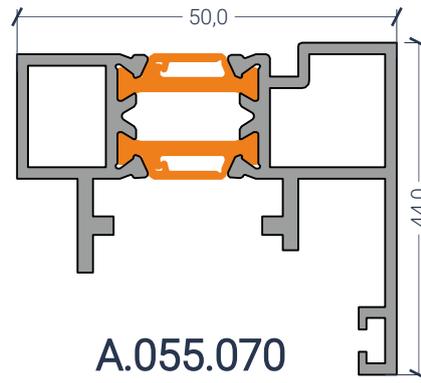
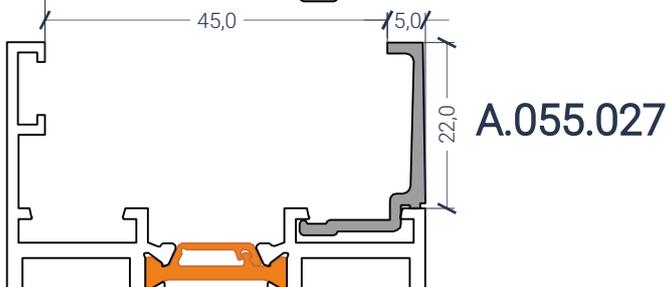
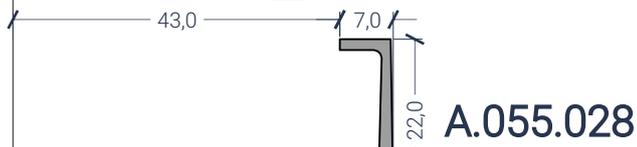
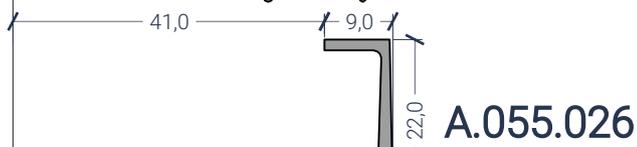
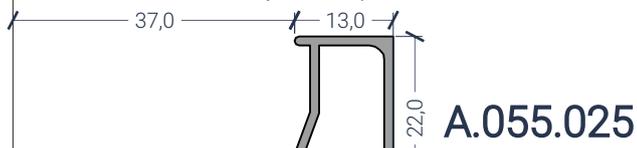
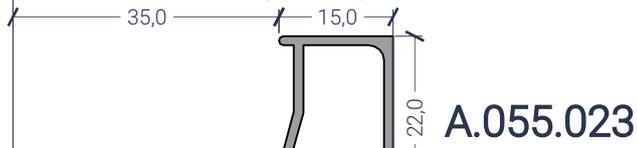
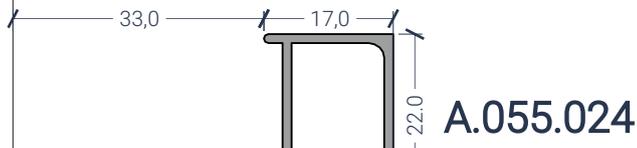
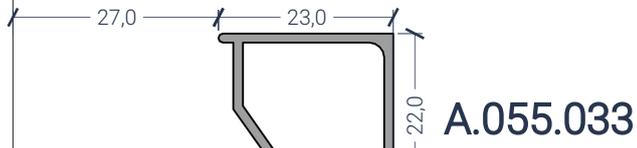
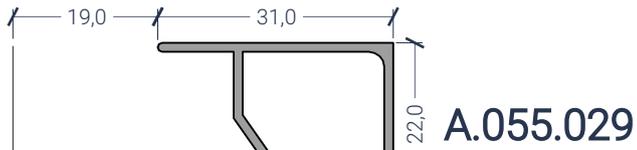
LOUÇALU

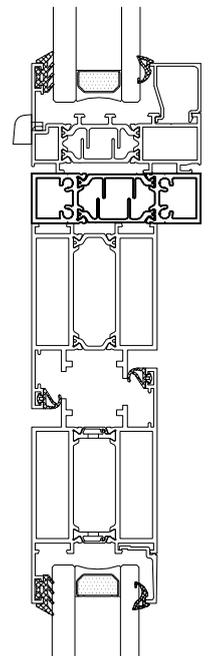
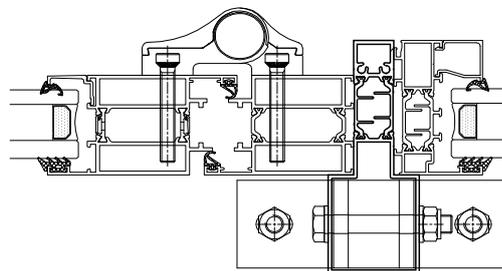
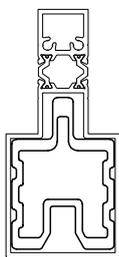
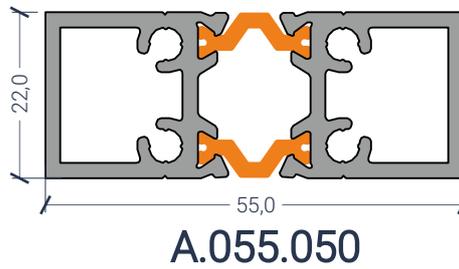
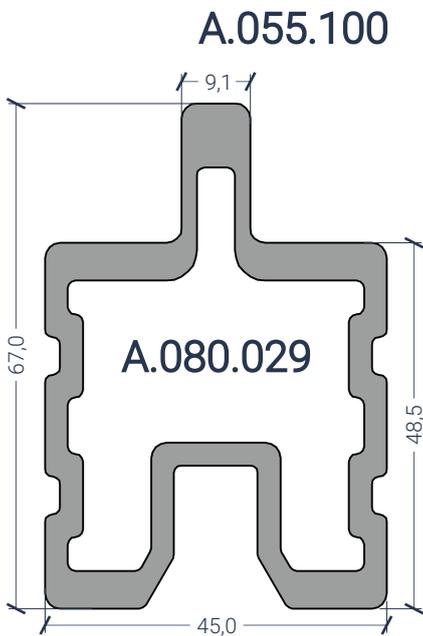
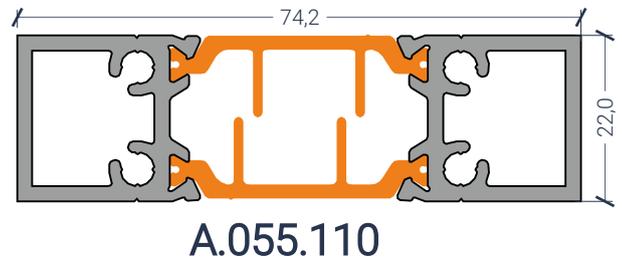
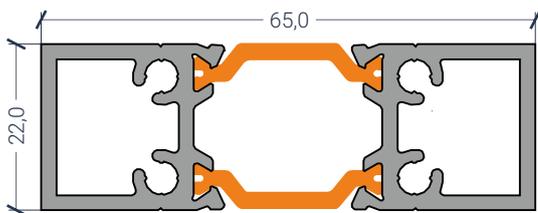
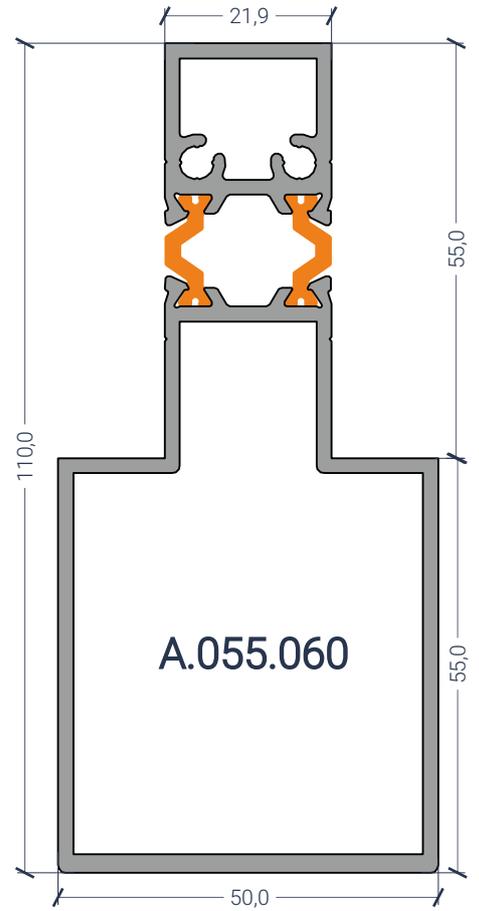
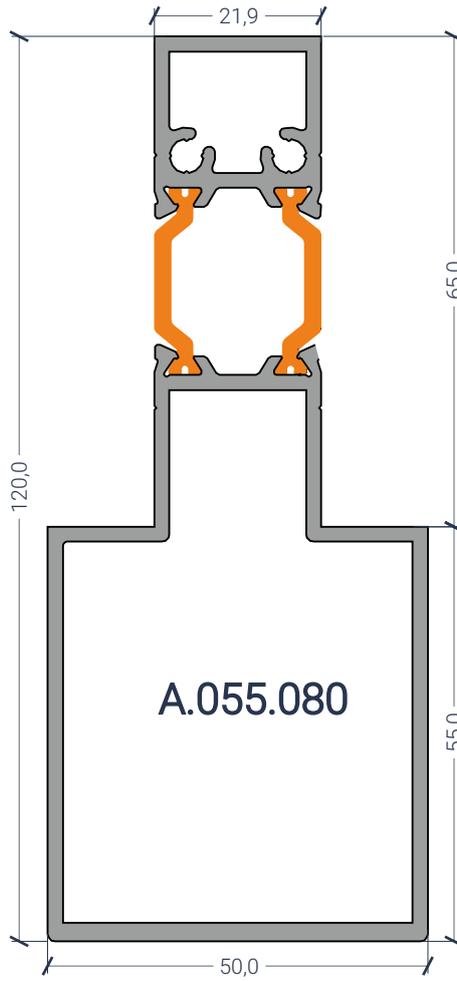
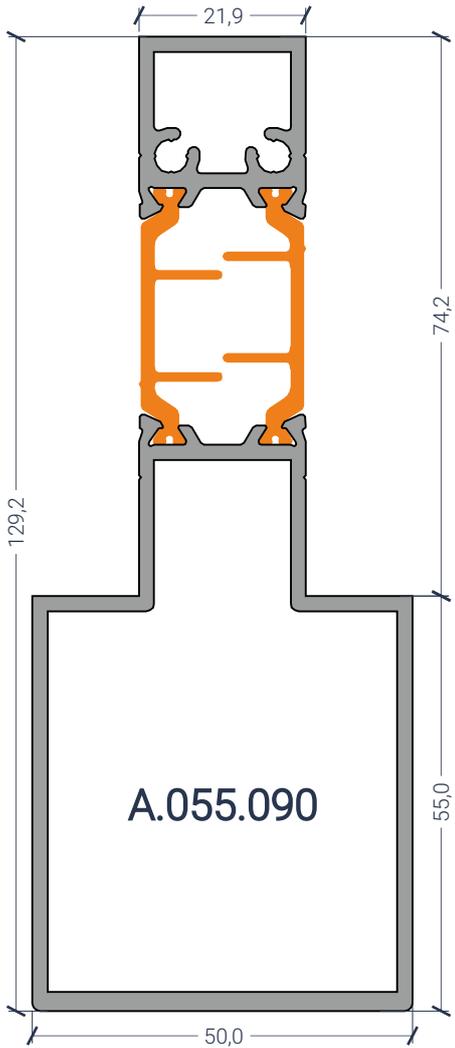
HardDoor





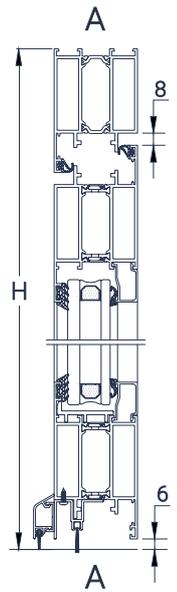
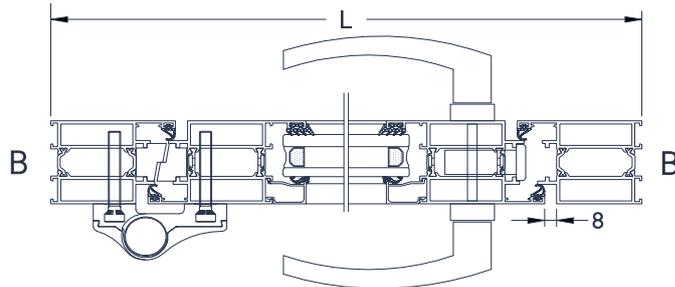
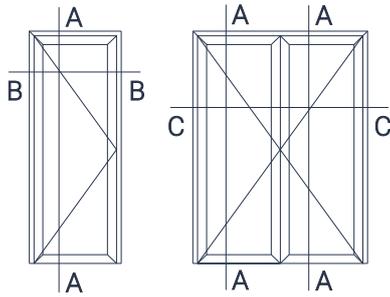
Perfis complementares





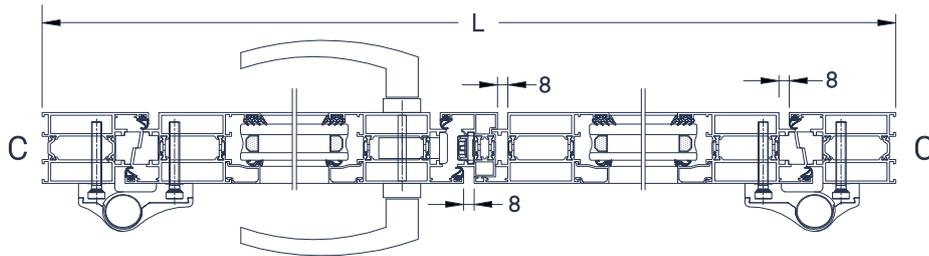
## Pormenores - batente

### Batente - Abertura interior

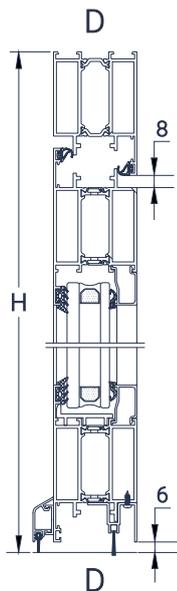
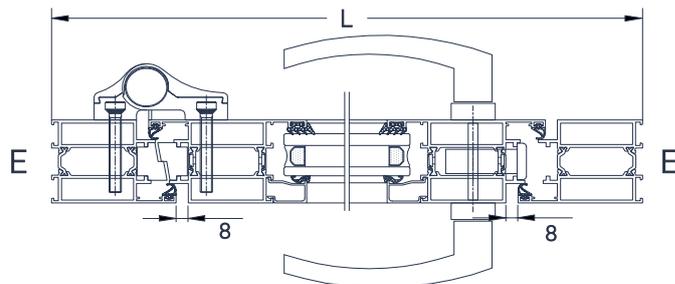
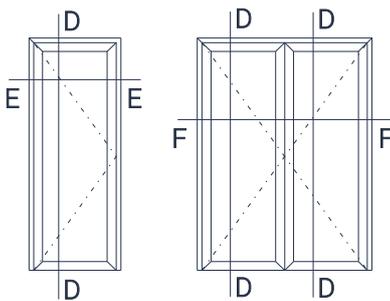


#### máximo por folha

Altura 3000mm  
Largura 1200mm  
Peso 160 Kg

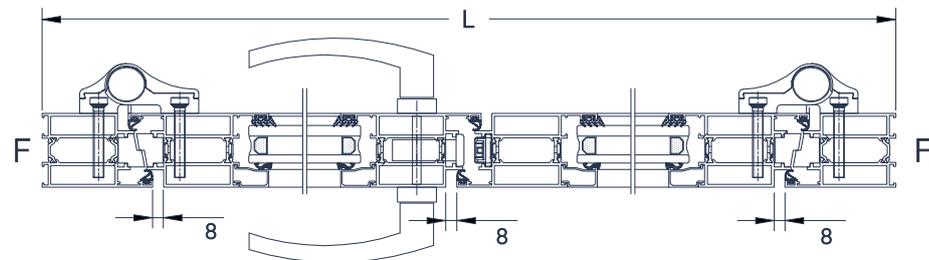


### Batente - Abertura exterior



#### máximo por folha

Altura 3000mm  
Largura 1200mm  
Peso 160 Kg

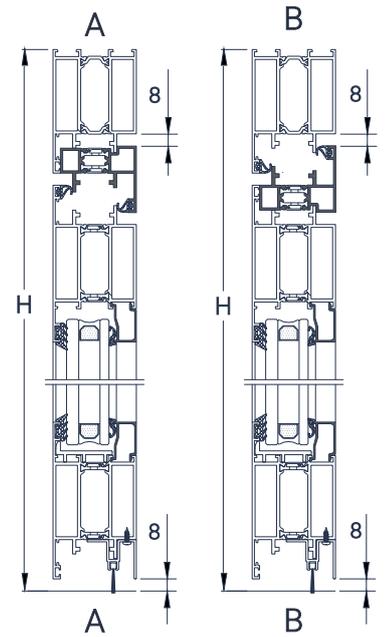
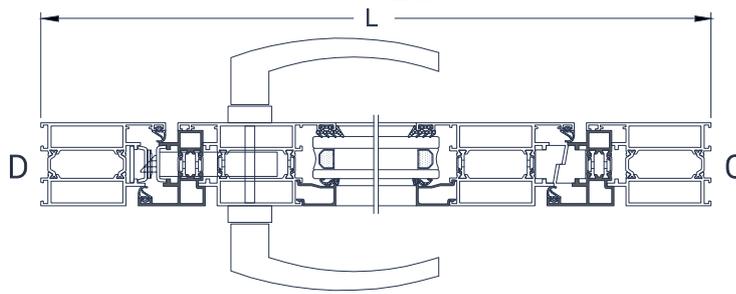
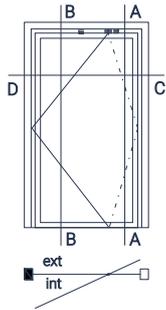
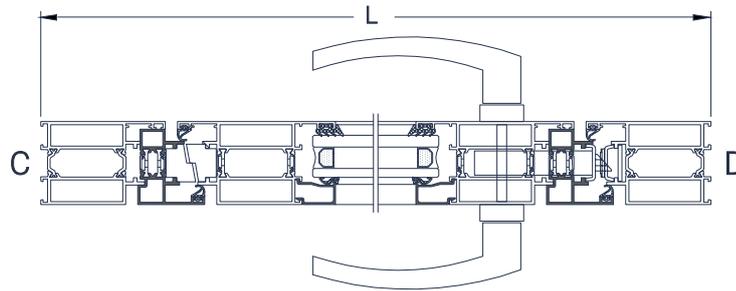
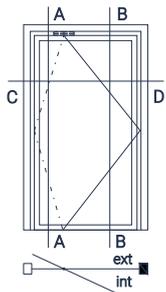


Medidas de Corte			Abertura interior						Abertura exterior					
			1 folha		2 folhas (a)		2 folhas (b)		1 folha		2 folhas (a)		2 folhas (b)	
perfil	referência	corte	medida (mm)	peças	medida (mm)	peças	medida (mm)	peças	medida (mm)	peças	medida (mm)	peças	medida (mm)	peças
	A.055.010		L	1	L	1	L	1	L	1	L	1	L	1
			H	2	H	2	H	2	H	2	H	2	H	2
	A.055.020		L - 128	2	(L - 136) : 2	4	(L - 110) : 2	4						
			H - 70	2	H - 70	4	H - 70	3					H - 70	1
	A.055.030								L - 128	2	(L - 136) : 2	4	(L - 110) : 2	4
							H - 70	1	H - 70	2	H - 70	4	H - 70	3
	A.055.070				H - 98	1					H - 98	1		
	A.055.015		L - 180	1	(L - 240) : 2	2	(L : 2) - 107 (L : 2) - 81	1 1	L - 180	1	(L - 240) : 2	2	(L : 2) - 107 (L : 2) - 81	1 1

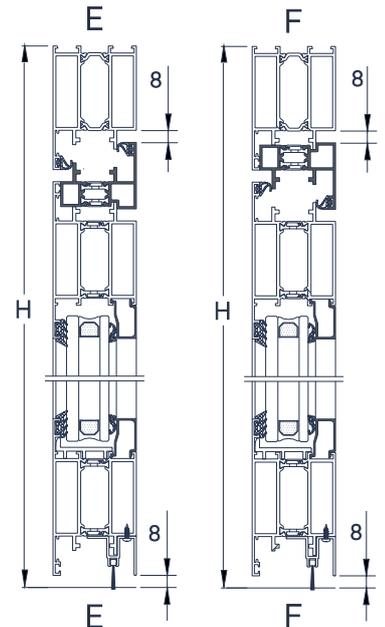
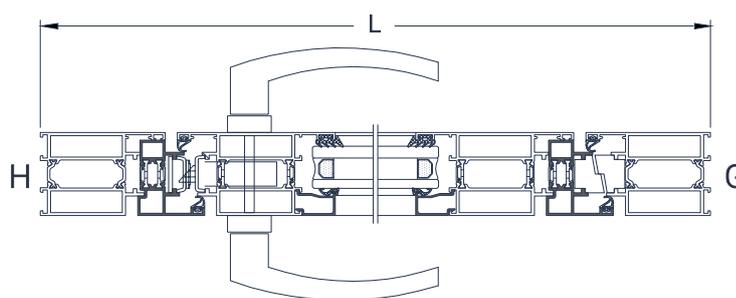
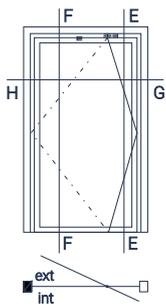
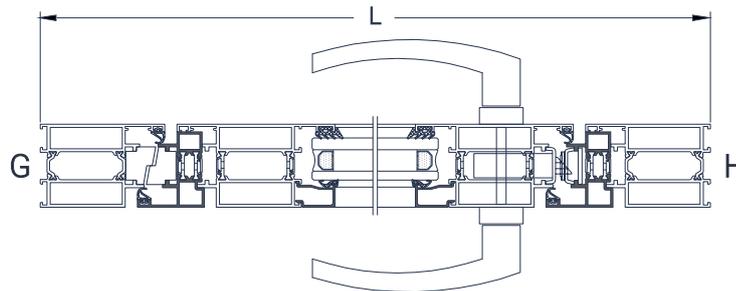
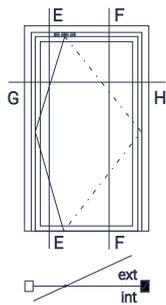
a)- com inversor central A.055.070.

b)- com perfil central de abertura invertida.

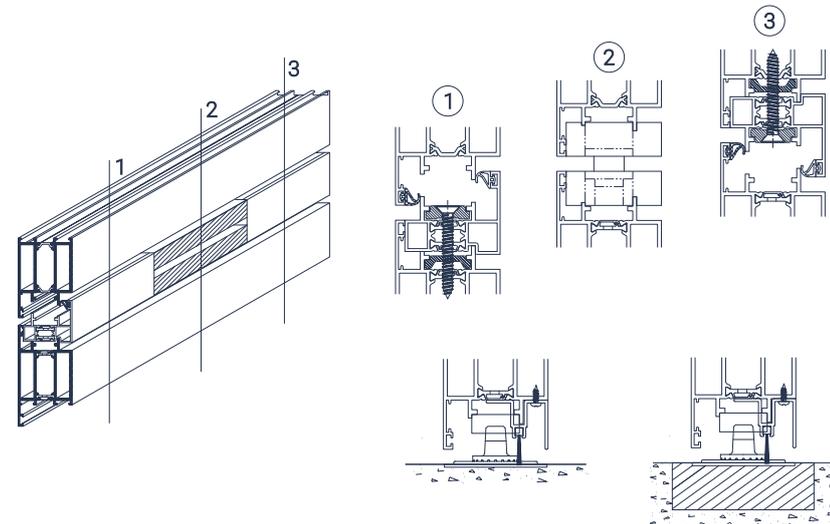
Pivotante - Abertura interior

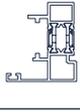


Pivotante - Abertura exterior

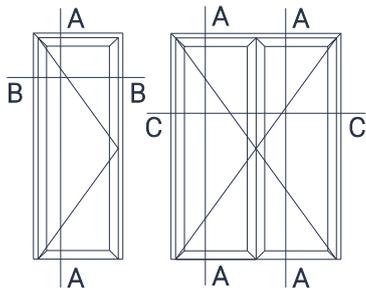


medidas de corte



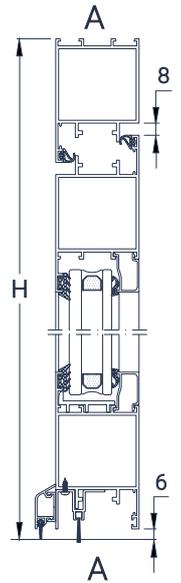
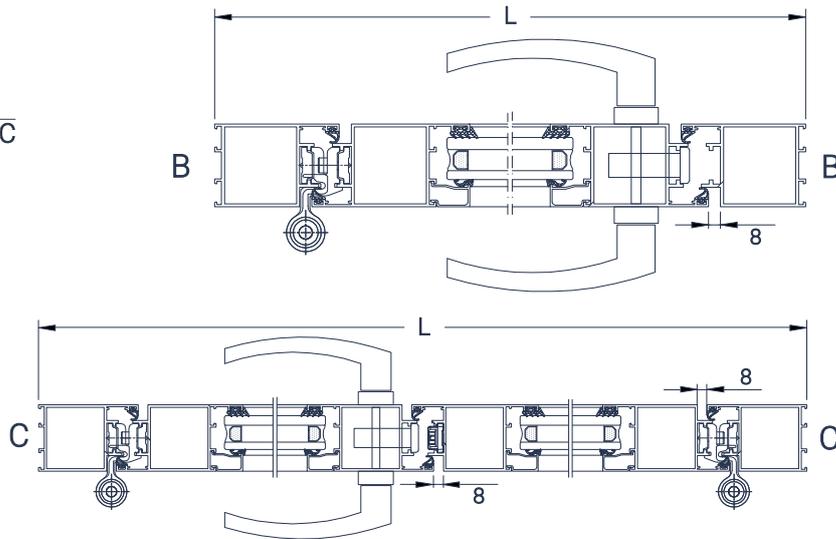
perfil	referência	corte	medida (mm)	peças
	A.055.010		L	1
			H	2
	A.055.030		L - 180	2
			H - 98	2
	A.055.070		L - 128	1
			H - 72	2
	A.055.015		L - 206	1

### Abertura interior

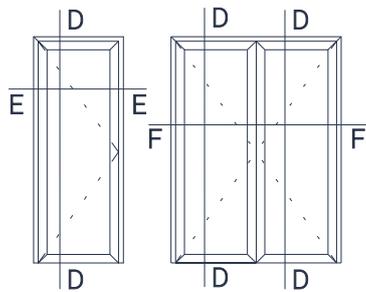


#### máximo por folha

Altura 2700mm  
Largura 1200mm  
Peso 120 Kg

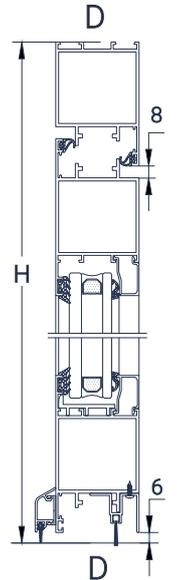
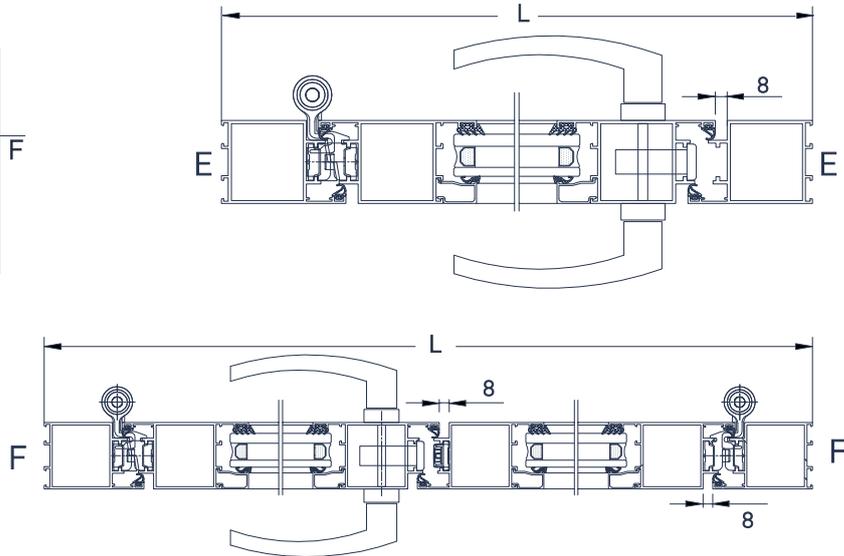


### Abertura exterior

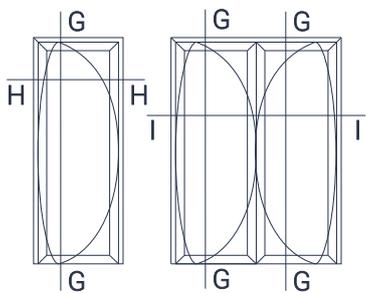


#### máximo por folha

Altura 2700mm  
Largura 1200mm  
Peso 120 Kg

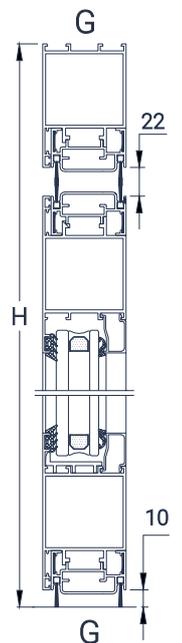
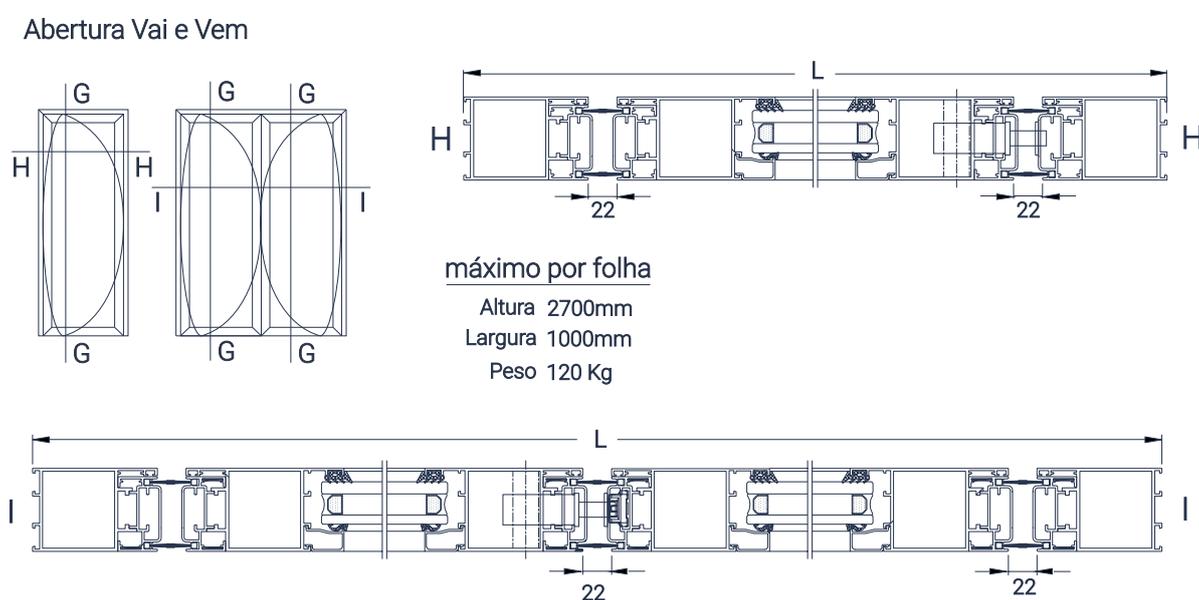


### Abertura Vai e Vem

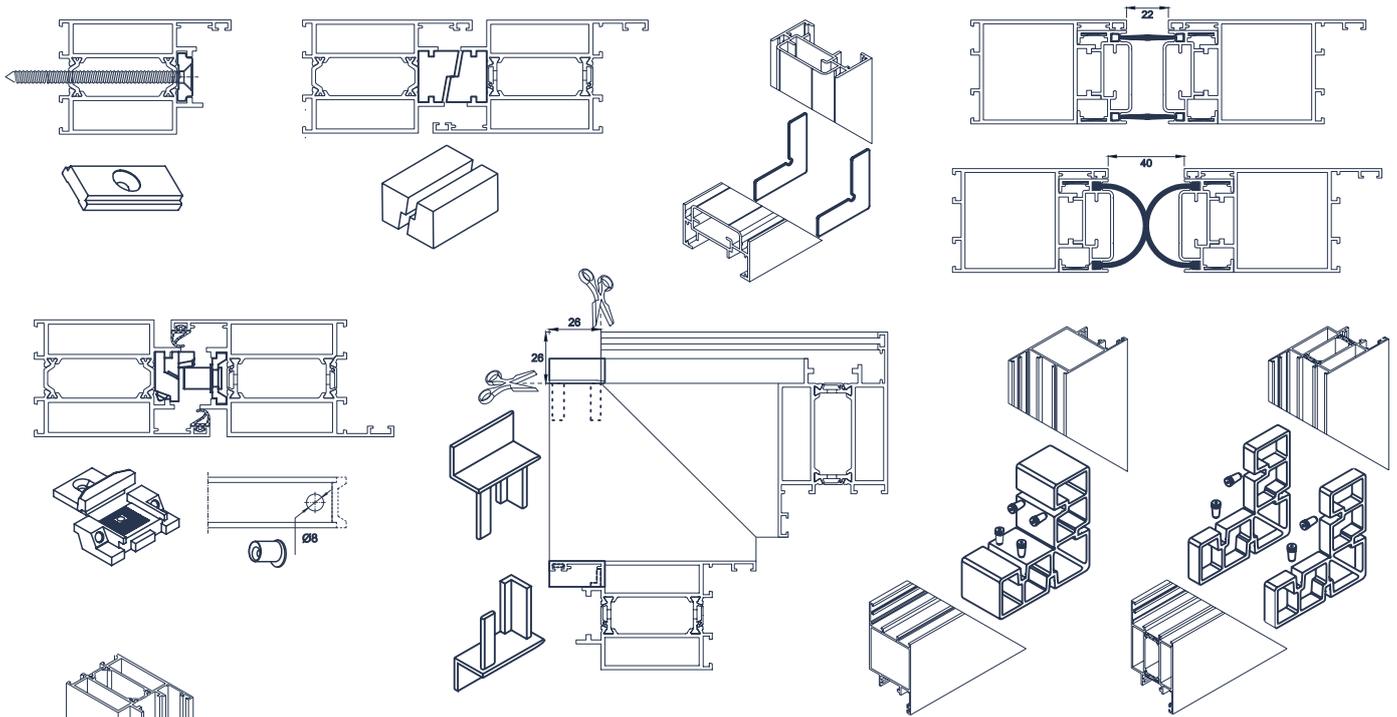


#### máximo por folha

Altura 2700mm  
Largura 1000mm  
Peso 120 Kg

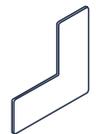
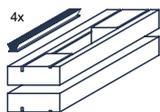
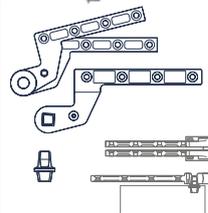
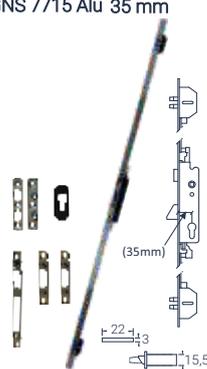
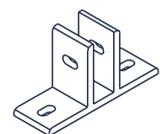
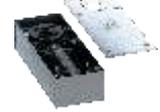
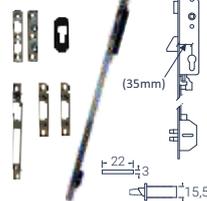
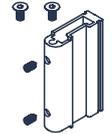
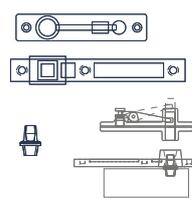
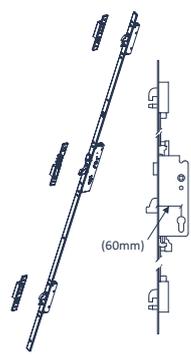
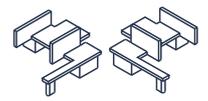
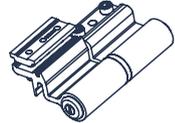
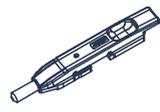
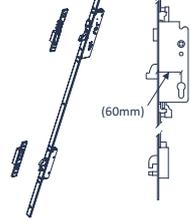
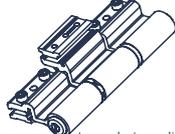
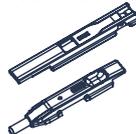
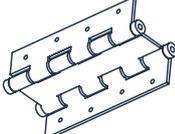
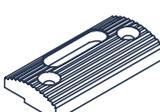


Medidas de Corte			Abertura interior				Abertura exterior				Vai e Vem			
			1 folha		2 folhas		1 folha		2 folhas		1 folha		2 folhas	
perfil	referência	corte	medida (mm)	peças	medida (mm)	peças	medida (mm)	peças	medida (mm)	peças	medida (mm)	peças	medida (mm)	peças
	A.055.001		L	1	L	1	L	1	L	1	L	1	L	1
			H	2	H	2	H	2	H	2	H	2	H	2
	A.055.002		L - 128	2	(L - 110) : 2	4								
			H - 70	2	H - 70	3			H - 70	1				
	A.055.003						L - 128	2	(L - 110) : 2	4	L - 208	2	(L - 230) : 2	4
					H-70	1	H - 70	2	H - 70	3	H - 114	2	H - 114	4
	A.055.015		L - 180	1	(L : 2) - 107 (L : 2) - 81	1 1	L - 180	1	(L : 2) - 107 (L : 2) - 81	1 1				
	A.055.018										L - 112	1	L - 112	1
											L - 202	2	(L - 218) : 2	4
											H - 56	2	H - 56	2
											H - 108	2	H - 108	4



<p><b>X.59.0154</b> Peça fixação aro fixo</p>	<p><b>X.17.0084</b> Esquadro de alinhamento</p> <p>Inox</p>	<p><b>X.40.0027</b> Escova para vedação</p> <p>Pcs 2,00 mts</p>	<p><b>X.46.0072</b> Vedante vaivém</p> <p>EPDM</p>
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<p><b>X.59.0157</b> Calço de soleira (par)</p>	<p><b>X.33.0120</b> Ponto de fecho c/afinação</p>	<p><b>X.59.0155</b> Vedação infer. aro fixo</p>	<p><b>X.50.0135</b> Conjunto topos p/2*folha</p>	<p><b>X.19.0039</b> Esquadro (50.5x47)</p>	<p><b>X.19.0040</b> Esquadro (13.8x47)</p>
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<p><b>X.42.0040</b> Vedante de batente</p>  <p>EPDM</p>	<p><b>X.24.0018</b> Dobr. Ap. Frontal Loira+</p> 	<p><b>X.29.0033</b> Calço p/pivô superior Esquerdo</p> <p>4x</p> 	<p><b>X.67.0128</b> Kit Mola pavim. MAB 7705 p/porta de batente</p> <p>Até 170kg</p> 	<p><b>X.30.0164</b> Cremon Duplo HERA Q132</p> 	<p><b>X.17.0071</b> Esquadro de alinhamento</p>  <p>Inox</p>
<p><b>X.44.0002</b> Vedante exterior p/vidro</p>  <p>EPDM</p>	<p><b>X.59.0090</b> Contra-placas Loira Plus</p> 	<p><b>X.29.0034</b> Calço p/pivô superior Direito</p> <p>4x</p> 		<p><b>X.38.2063</b> Fechadura de 3 pontos GNS 7715 Alu 35 mm</p> 	<p><b>X.54.0013</b> Fixação para montante</p> 
<p><b>X.44.0047</b> Vedante interior p/vidro</p>  <p>EPDM</p>	<p><b>X.24.0020</b> Dobr. Ap. Frontal LoiraTrip</p> 	<p><b>X.29.0032</b> Pivô superior &lt;250kg</p> 	<p><b>X.67.0131</b> Kit Mola pavim. MAB 7705 p/porta pivotante/vai-vem</p> <p>Até 170kg</p> 		<p><b>X.18.0040</b> União de travessa G4.727</p> 
<p><b>X.44.0033</b> Vedante interior p/vidro</p>  <p>EPDM</p>	<p><b>X.59.0153</b> Contra-placas Loira trip.</p> 	<p><b>X.29.0031</b> Braço inferior p/mola pivô e vai-vem</p> 		<p><b>X.38.2064</b> Fechadura de 3 pontos Iseo Perform 60 mm</p> 	<p><b>X.50.0133</b> Topos p/A.055.070</p> 
<p><b>X.44.0006</b> Vedante interior p/vidro</p>  <p>EPDM</p>	<p><b>X.29.0042</b> Dobradiça desliz. &lt; 80kg</p>  <p>Lacado/anodizado</p>	<p><b>X.29.0030</b> Pivô inferior &lt; 250kg</p> 	<p><b>X.34.0022</b> Ponteira</p> 		<p><b>X.50.0035</b> Topo pingadeira</p> 
<p><b>X.46.0002</b> Vedante p/pingadeira</p>  <p>EPDM</p>	<p><b>X.20.0078</b> Dobradiça desliz. &lt;120kg</p>  <p>Lacado/anodizado</p>	<p><b>X.34.0023</b> Engate superior p/ 2 fls</p> 	<p><b>X.32.0050</b> Fecho 2ªfolha</p> 	<p><b>X.38.1048</b> Cilindro Segur. 35x35</p> 	<p><b>X.54.0048</b> Fixador pingadeira</p>  <p>Alumínio</p>
<p><b>X.46.0016</b> Vedante remate inferior</p>  <p>EPDM</p>	<p><b>X.25.0008</b> Dobradiça vai-vem</p> 	<p><b>X.33.0125</b> Engate inferior p/ 2 folhas C/ soleira A.055.013</p> 	<p><b>X.33.0123</b> P. fecho inferior p/ 2 fls S/ soleira</p> 	<p><b>X.67.0108</b> Seletor de fecho mecânico G9.117</p>  <p>Preto Branco Prata</p>	<p><b>X.59.0156</b> Calço p/vidro</p>  <p>Nylon</p>