

L I N H A S E X C L U S I V A S

EURO

CONCEPT

(32 , 45)

EURO CONCEPT

SISTEMA CONSTRUTIVO MODULAR COM CONCEITO DE CÂMARA EUROPEIA COM COMPONENTES E PERFIS MULTIUSO QUE PROMOVE ALTO PADRÃO DE CONFORTO AMBIENTAL (TERMOACÚSTICO) E MELHOR DESEMPENHO E SOFISTICAÇÃO NESSE SEGMENTO

32

INOVAÇÃO, ELEGÂNCIA DE DESIGN, PERFIS MULTIUSO, PRATICIDADE DE FABRICAÇÃO, FUNCIONALIDADE, DESEMPENHO E SOFISTICAÇÃO.

45

IDEAL PARA GRANDES VÃOS, TIPOLOGIAS ABRANGENTES, NÍVEIS EXCEPCIONAIS DE PERFORMANCE E EFICIÊNCIA TERMOACÚSTICA, PARA EMPREENDIMENTOS CLASSE A.



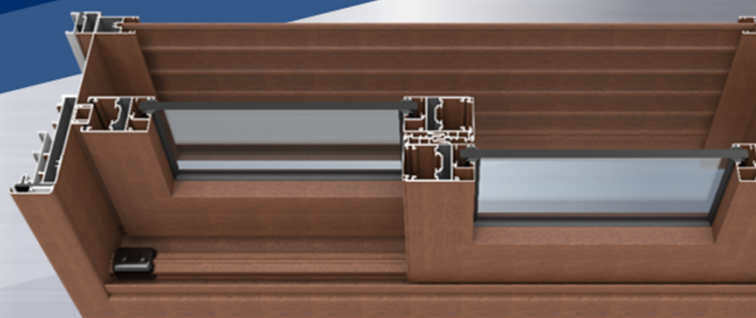
FACILIDADE NA FABRICAÇÃO



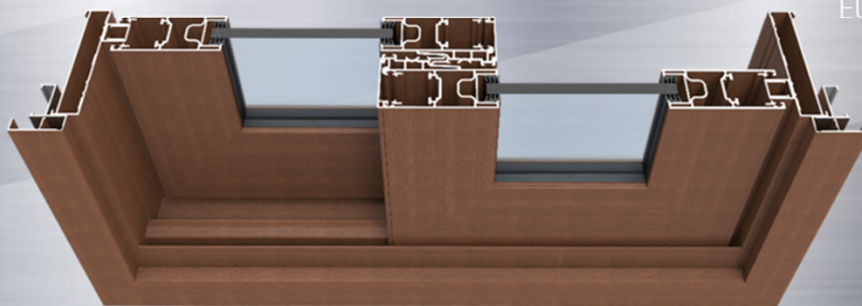
MAIOR PRODUTIVIDADE



INTEGRADA



EURO CONCEPT 45



EURO CONCEPT 32

EURO CONCEPT 32

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EURO CONCEPT 45

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INTEGRADA

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Acessórios da Linha Euro Concept 32

Acesse www.aluminorte.com.br

→ Catálogos

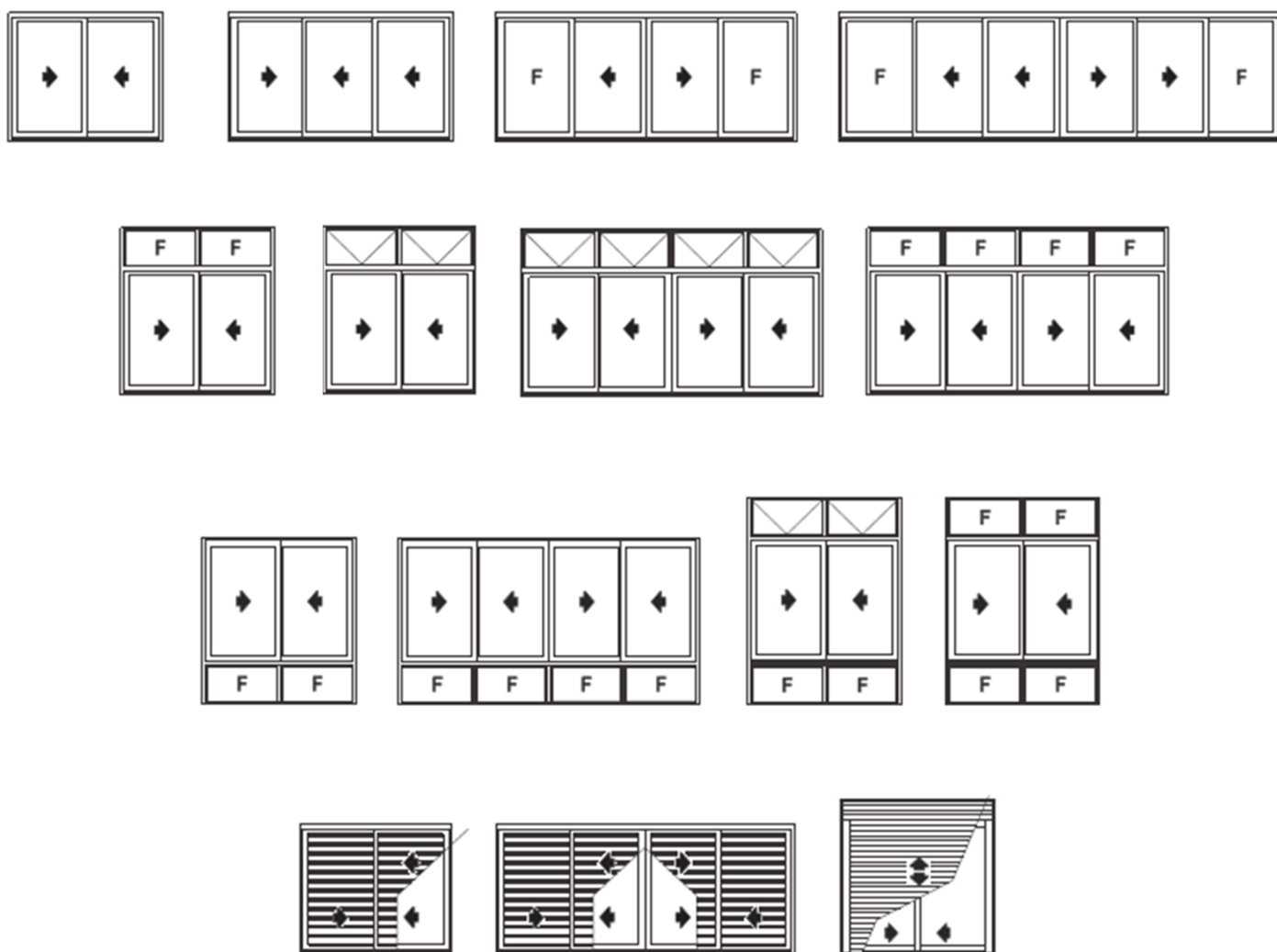
→ Euro Concept

e faça o download do catálogo completo de acessórios.

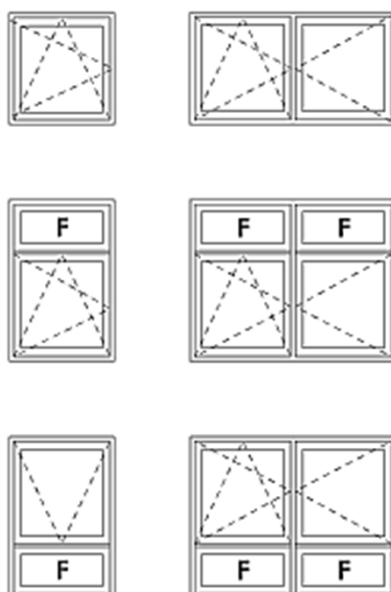
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TIPOLOGIAS

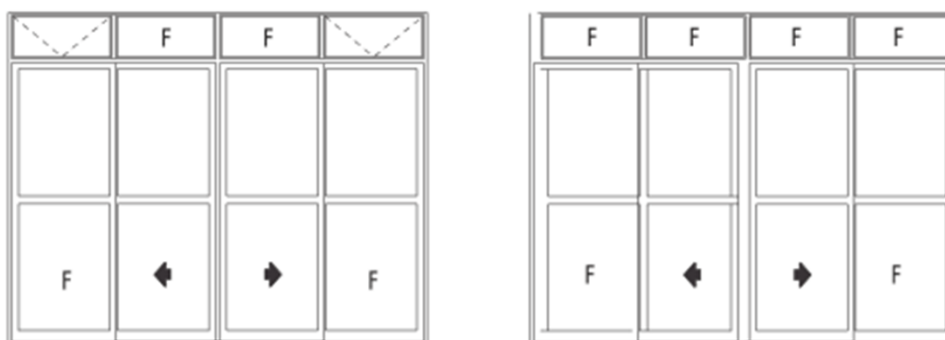
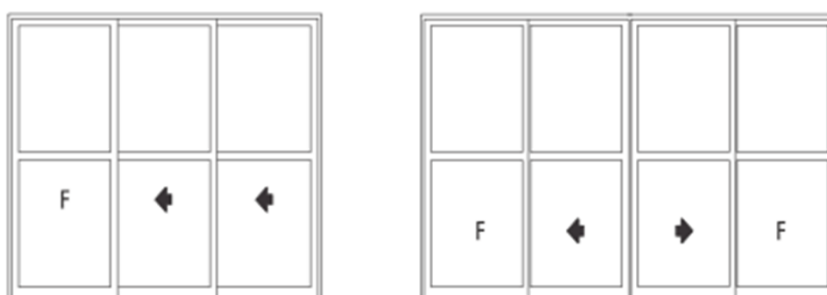
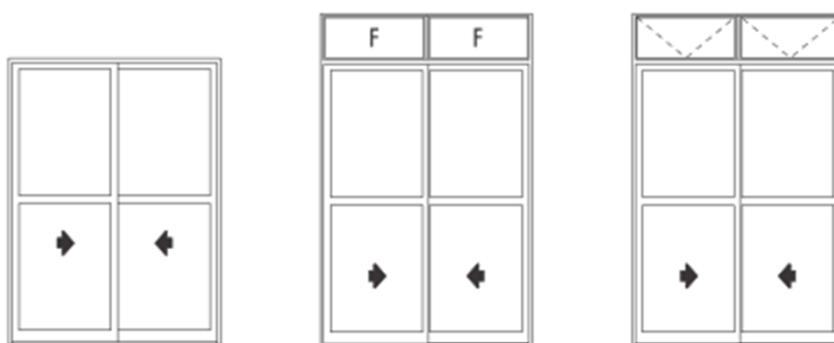
JANELAS DE CORRER



OSCILO BATENTE

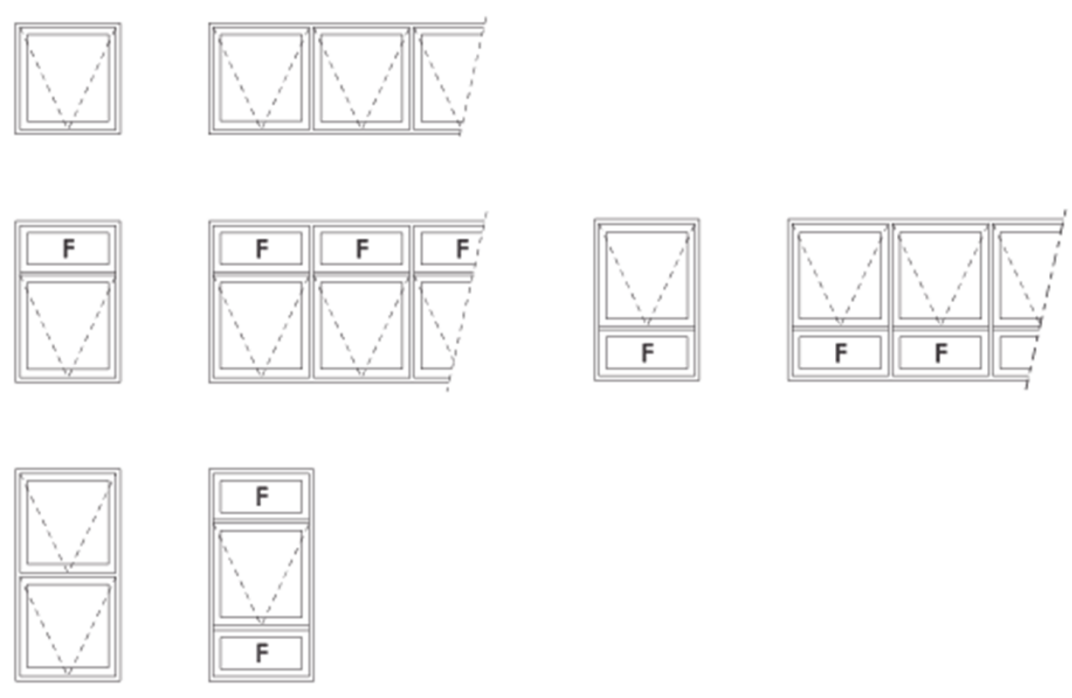


PORTAS DE CORRER

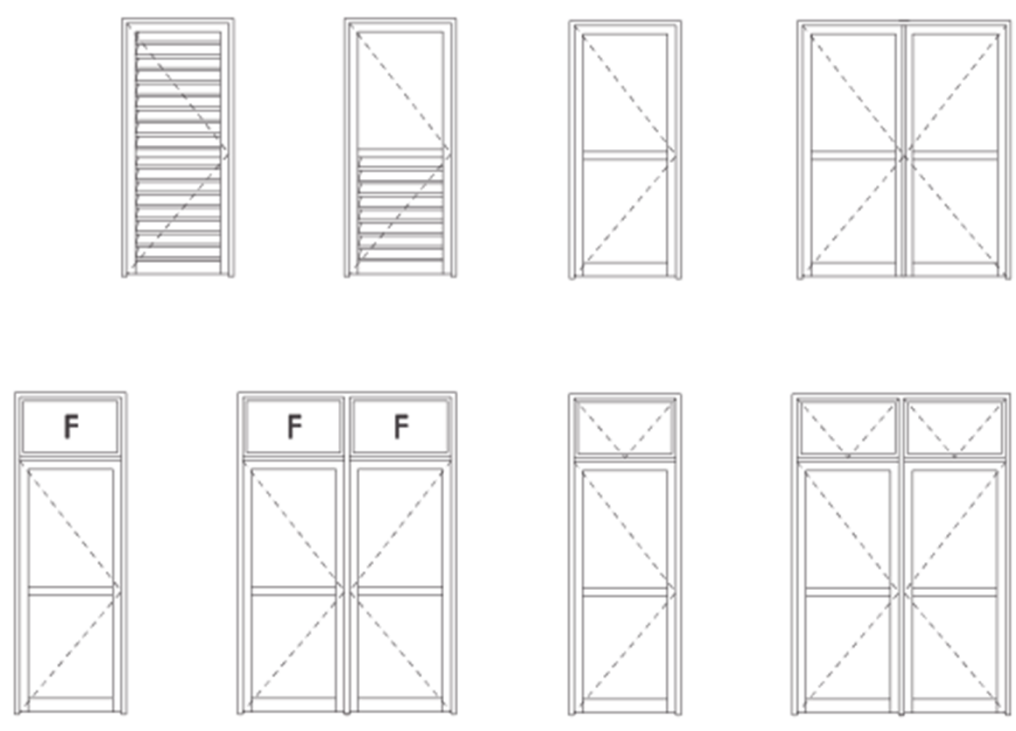


TIPOLOGIAS

MAXIM-AR



PORTAS DE GIRO



LINHA EURO CONCEPT 32

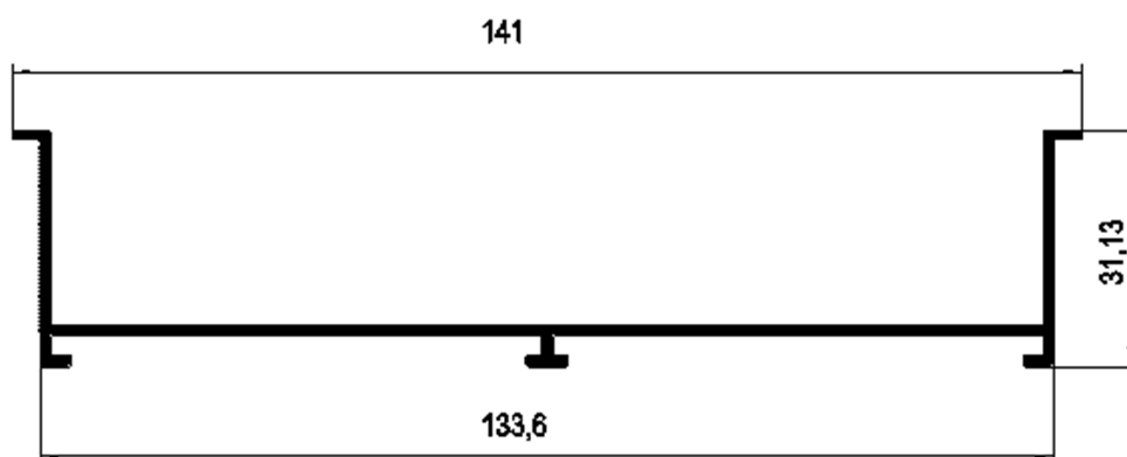
CÓDIGO	PESO	PÁG
32EC – 102	1,010 Kg/m	07
32EC – 103	0,604 Kg/m	05
32EC – 104	0,165 Kg/m	06
32EC – 105	1,415 Kg/m	06
32EC – 106	0,960 Kg/m	05
32EC – 119	0,778 Kg/m	07
32EC – 120	0,772 Kg/m	08
32EC – 121	0,959 Kg/m	09
32EC – 122	0,883 Kg/m	09
32EC – 123	0,913 Kg/m	08
32EC – 124	0,537 Kg/m	08
32EC – 134	0,136 Kg/m	11
32EC – 144	0,287 Kg/m	11
32EC – 145	0,274 Kg/m	11
32EC – 301	0,959 Kg/m	09
32EC – 302	1,168 Kg/m	06
32EC – 303	0,367 Kg/m	10
32EC – 304	0,073 Kg/m	10
32EC – 305	0,358 Kg/m	10
32EC – 306	0,202 Kg/m	10
32EC – 307	0,177 Kg/m	10
32EC – 308	0,209 Kg/m	10
32EC – 309	0,664 Kg/m	10
32EC – 310	0,599 Kg/m	10
32EC - 312	1,752 Kg/m	07

32EC - 103

Contramarco de embutir 02 planos
0,604 Kg/m

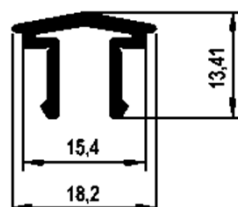
**32EC - 106**

Contramarco de embutir 03 Planos
0,960 Kg/m



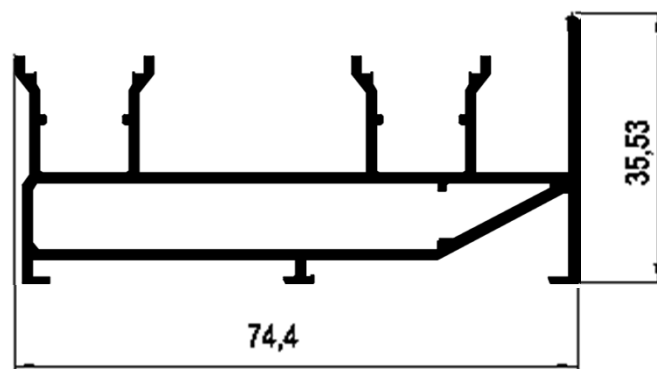
32EC - 104

Trilho em V
0,165 Kg/m



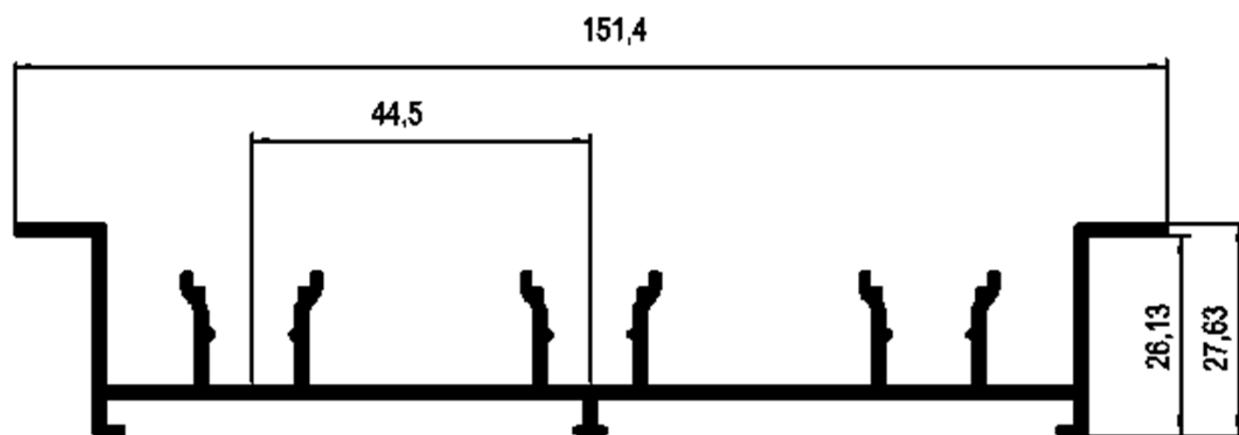
32EC - 302

Marco 02 Planos
1,168 Kg/m



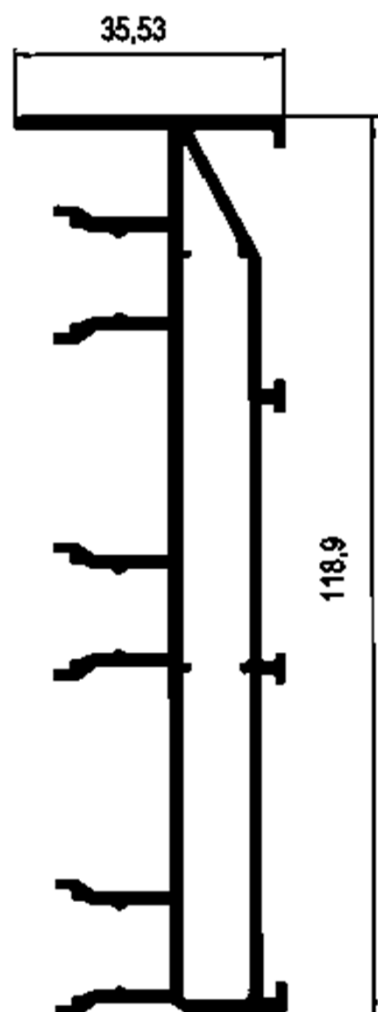
32EC - 105

Marco 03 Planos Embutido
1,415 Kg/m

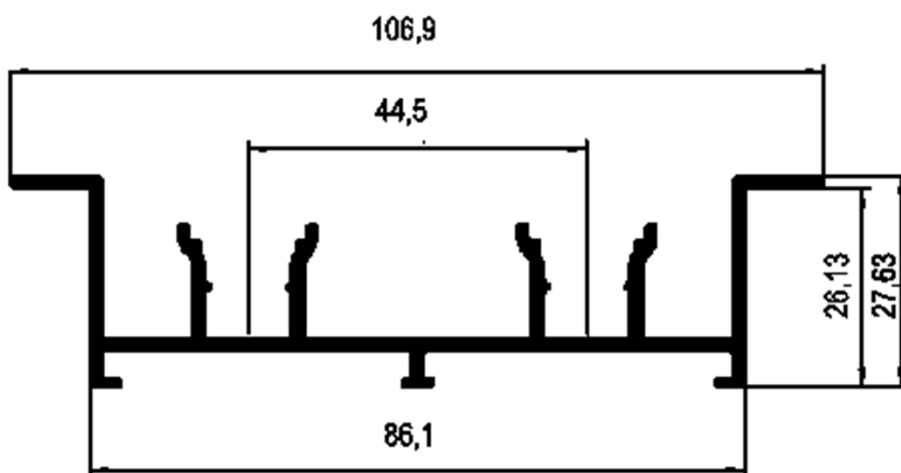


32EC - 312

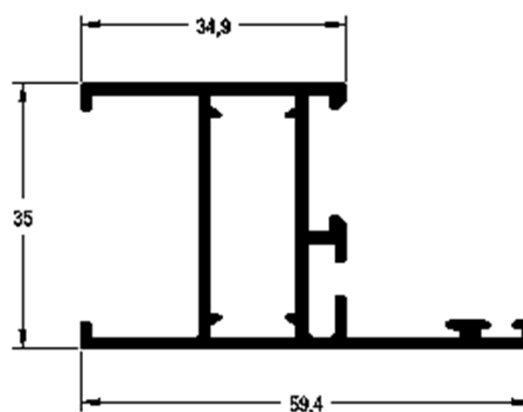
Marco 03 Planos
1,752 Kg/m

**32EC - 102**

Marco 02 Planos Embutido
1,010 Kg/m

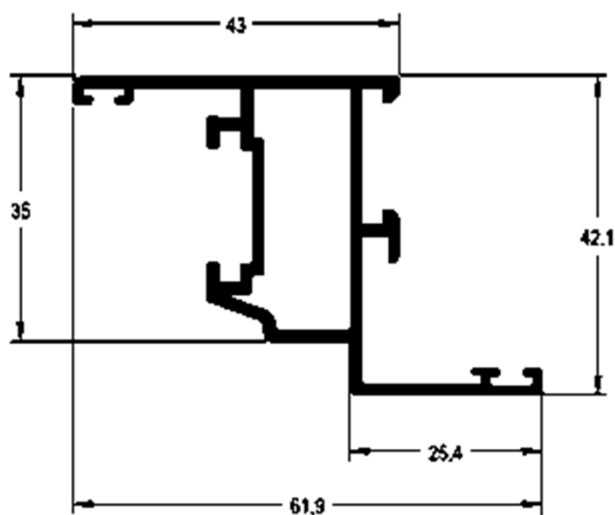
**32EC - 119**

Marco da folha de giro / oscilo batente / maxim-ar
0,778 Kg/m

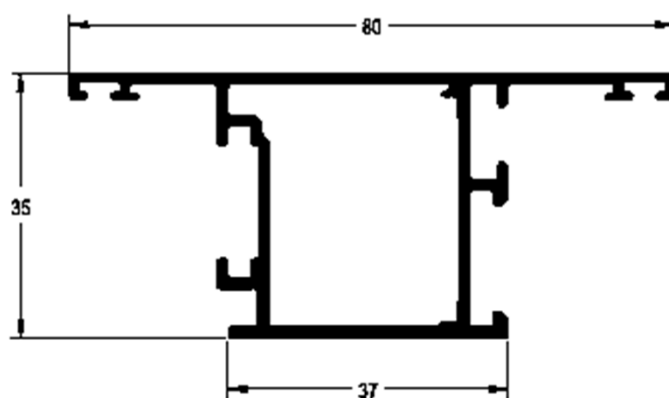


32EC - 120

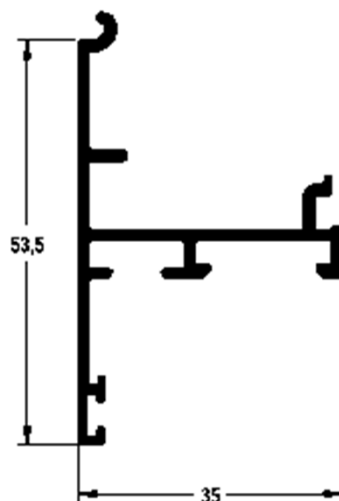
Folha Oscilo Batente
0,772 Kg/m

**32EC - 123**

Folha Maxim-ar
0,913 Kg/m

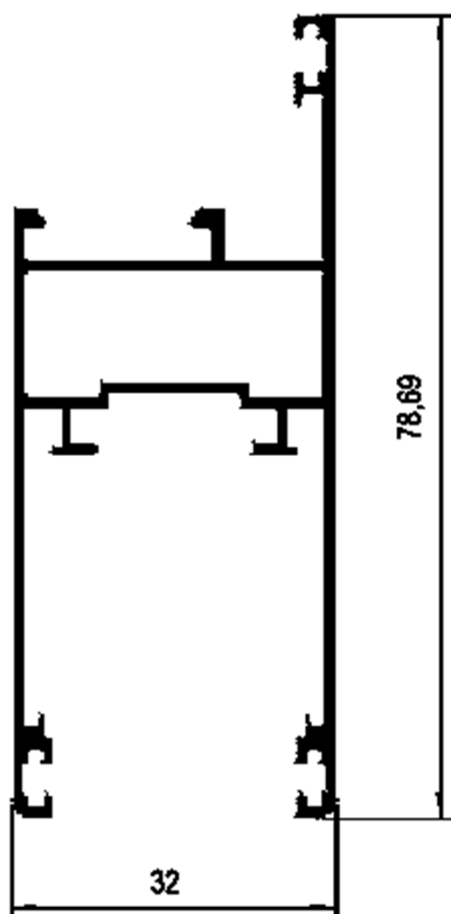
**32EC - 124**

Inversor de Baguete
0,537 Kg/m

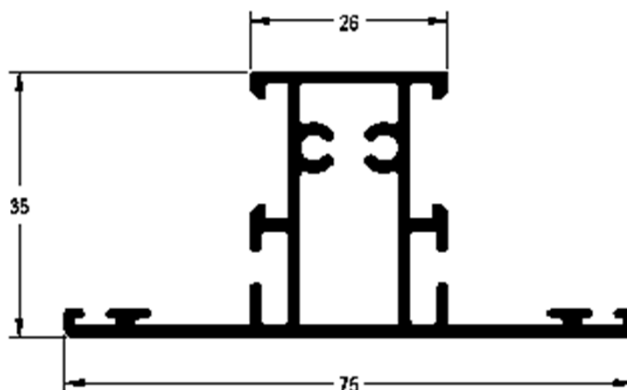


32EC - 301

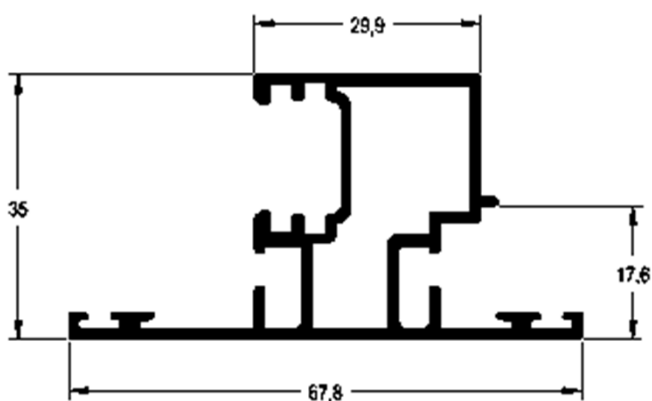
Folha Largura / Altura
0,959 Kg/m

**32EC - 121**

Coluna Oscilo Batente / Travessa Maxim-ar
0,959 Kg/m

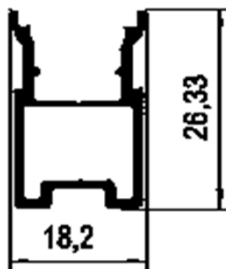
**32EC - 122**

Coluna Oscilo Batente
0,883 Kg/m



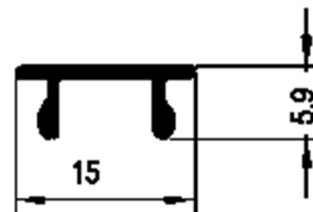
32EC - 303

Mata Junta Central
0,367 Kg/m



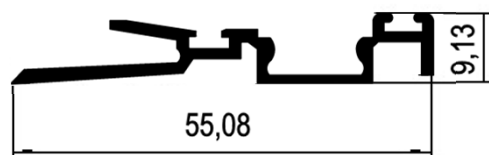
32EC - 304

Tampa Mão de Amigo
0,073 Kg/m



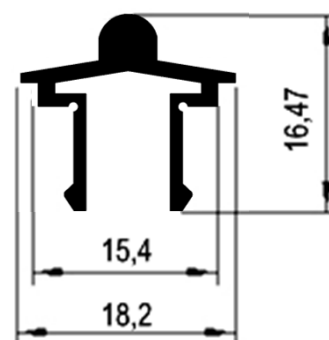
32EC - 305

Mão de Amigo
0,358 Kg/m



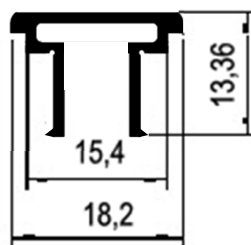
32EC - 306

Trilho
0,202 Kg/m



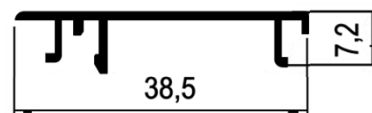
32EC - 307

Acabamento do Marco
0,177 Kg/m



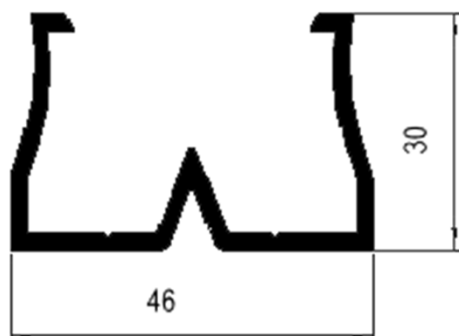
32EC - 308

Mão de Amigo
0,209 Kg/m



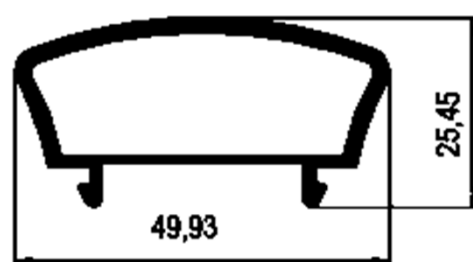
32EC - 309

Suporte do Reforço
0,664 Kg/m



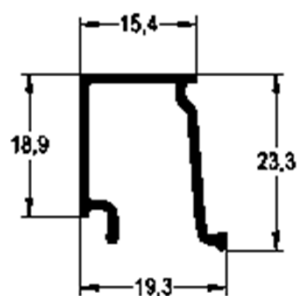
32EC - 310

Reforço
0,599 Kg/m

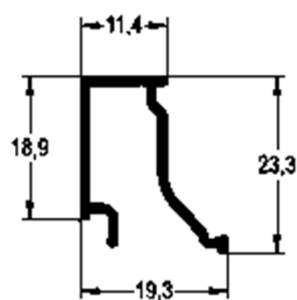


32EC - 144

Baguete
0,287 Kg/m

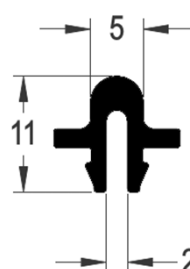
**32EC - 145**

Baguete
0,274 Kg/m

**32EC - 134**

Arremate do Trilho
0,136 Kg/m

SOB ENCOMENDA





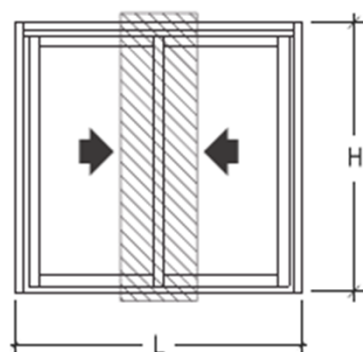
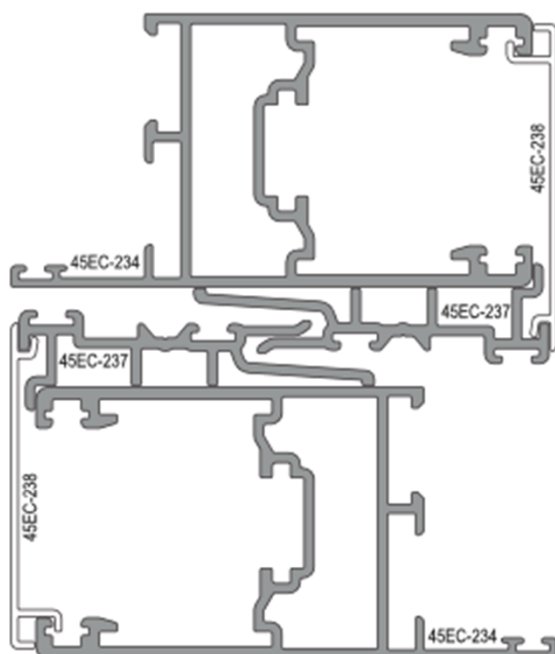
euro

CONCEPT 45

ÍNDICE DE PERFIS

CÓDIGO	PESO	PÁG	CÓDIGO	PESO	PÁG
45EC - 201	0,511 Kg/m	27	45EC - 249	0,785 Kg/m	29
45EC - 203	0,162 Kg/m	38	45EC - 250	1,545 Kg/m	36
45EC - 204	0,225 Kg/m	27	45EC - 251	1,140 Kg/m	31
45EC - 205	0,151 Kg/m	27	45EC - 252	1,225 Kg/m	32
45EC - 208	0,207 Kg/m	28	45EC - 253	2,247 Kg/m	35
45EC - 209	0,345 Kg/m	38	45EC - 254	1,076 Kg/m	35
45EC - 211	0,170 Kg/m	27	45EC - 255	0,657 Kg/m	33
45EC - 212	0,247 Kg/m	27	45EC - 258	0,574 Kg/m	33
45EC - 219	0,151 Kg/m	28	45EC - 263	1,151 Kg/m	30
45EC - 221	1,429 Kg/m	28	45EC - 267	1,010 Kg/m	33
45EC - 222	3,579 Kg/m	29	45EC - 268	0,846 Kg/m	30
45EC - 225	0,215 Kg/m	38	45EC - 269	1,117 Kg/m	36
45EC - 226	0,281 Kg/m	38	45EC - 270	1,737 Kg/m	33
45EC - 228	0,404 Kg/m	37	45EC - 271	2,235 Kg/m	34
45EC - 229	0,513 Kg/m	37	45EC - 272	2,235 Kg/m	34
45EC - 235	1,942 Kg/m	31	ECGB - 213	0,287 Kg/m	39
45EC - 236	1,942 Kg/m	30	ECGB - 214	0,274 Kg/m	39
45EC - 237	0,534 Kg/m	36	ECGB - 215	0,261 Kg/m	39
45EC - 238	0,211 Kg/m	37	ECGB - 216	0,234 Kg/m	39
45EC - 239	1,000 Kg/m	38	ECGB - 217	0,227Kg/m	39
45EC - 240	2,466 Kg/m	28	ECGB - 218	0,185 Kg/m	39
45EC - 247	1,011 Kg/m	32	U - 491	0,097 Kg/m	28
45EC - 248	1,099 Kg/m	29			

JANELAS DE CORRER 2 FOLHAS



45EC-234	45EC-237	45EC-234	45EC-237
$Jx = 17,252 \text{ cm}^4$	$Jx = 0,218 \text{ cm}^4$	$Jx = 17,252 \text{ cm}^4$	$Jx = 0,218 \text{ cm}^4$
$Jy = 24,748 \text{ cm}^4$	$Jy = 5,461 \text{ cm}^4$	$Jy = 24,748 \text{ cm}^4$	$Jy = 5,461 \text{ cm}^4$
$Wx = 7,146 \text{ cm}^3$	$Wx = 0,221 \text{ cm}^3$	$Wx = 7,146 \text{ cm}^3$	$Wx = 0,221 \text{ cm}^3$
$Wy = 5,194 \text{ cm}^3$	$Wy = 1,640 \text{ cm}^3$	$Wy = 5,194 \text{ cm}^3$	$Wy = 1,640 \text{ cm}^3$
$Jx \text{ Total} = 34,940 \text{ cm}^4$ (perfil 45EC-238 não considerado no cálculo)			

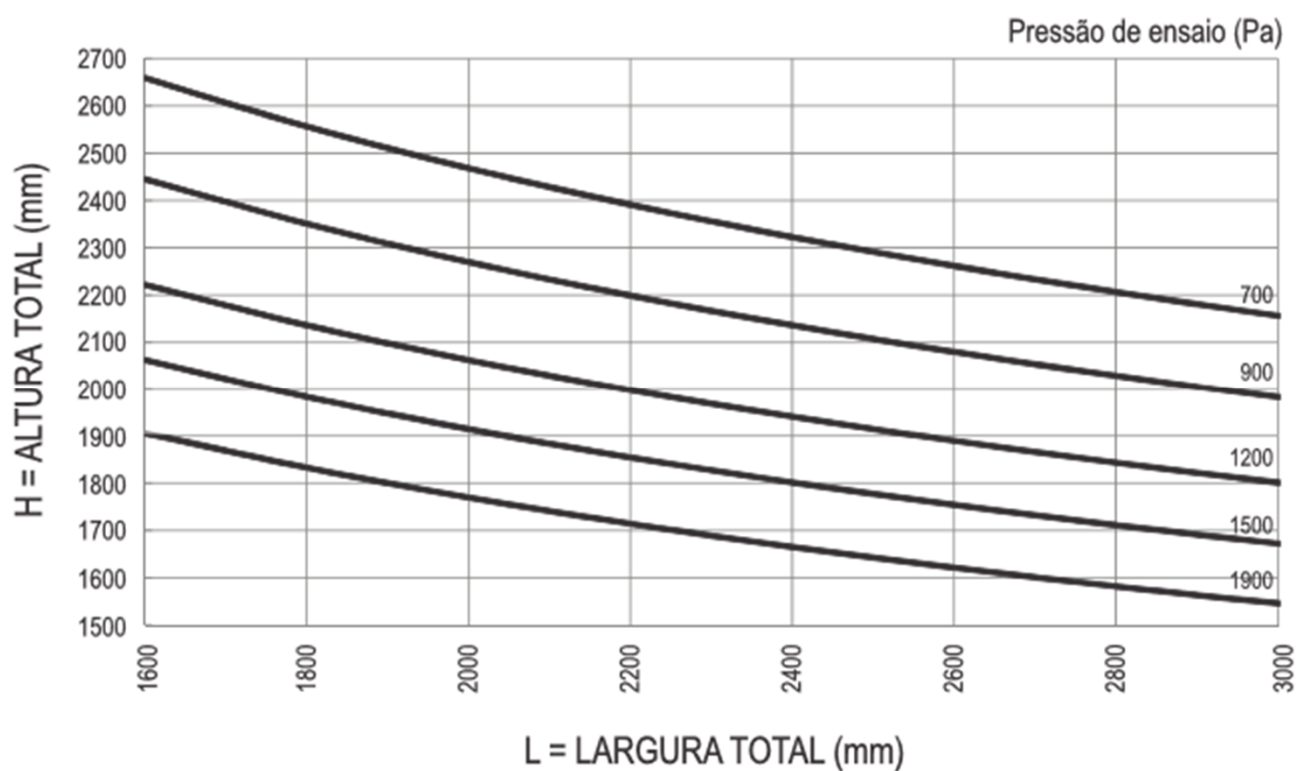
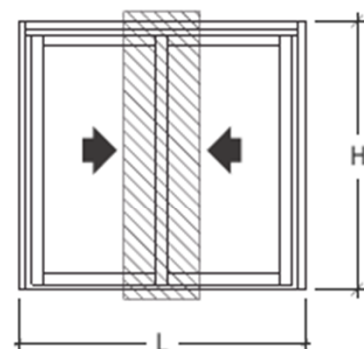
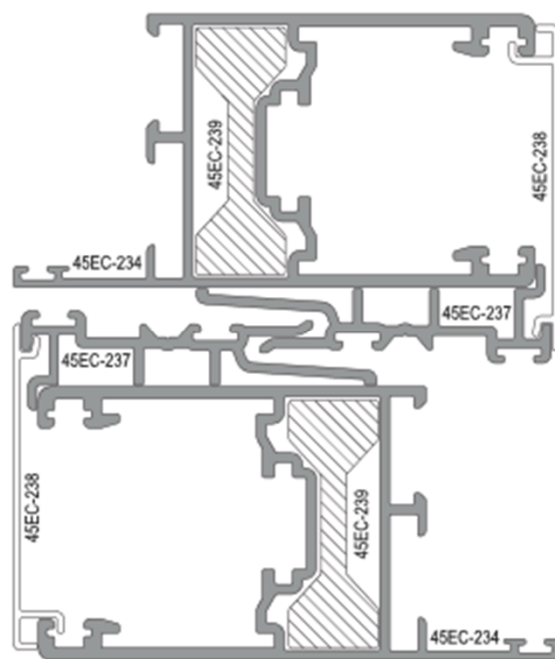
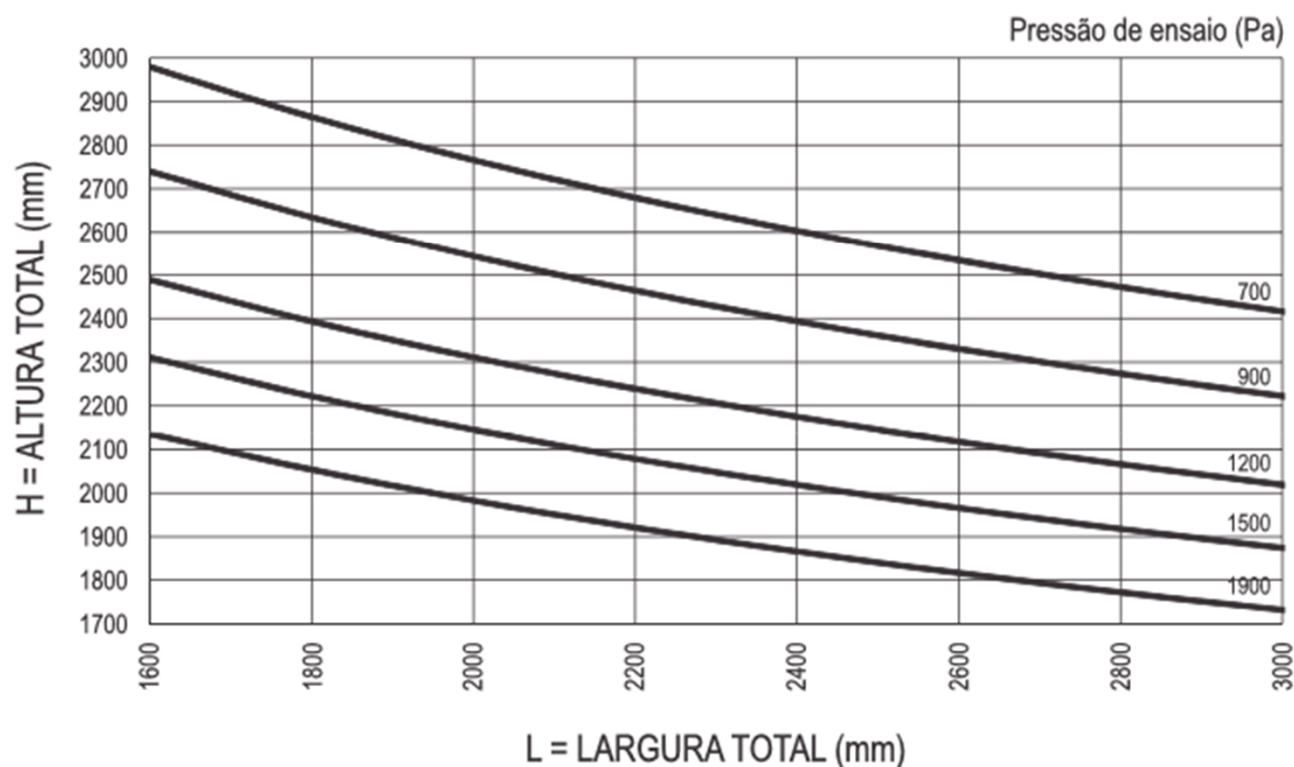


DIAGRAMA DE DIMENSÕES

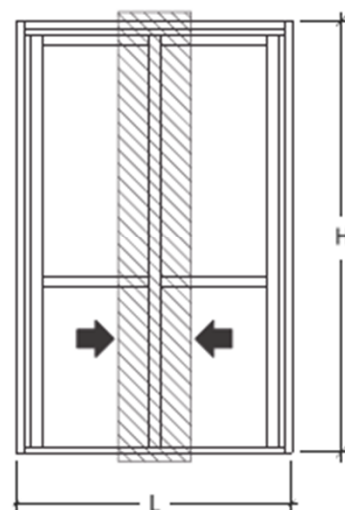
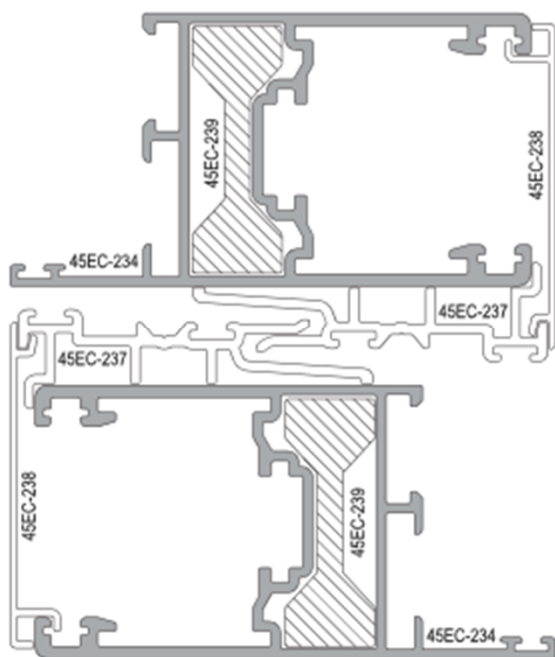
JANELAS DE CORRER 2 FOLHAS



45EC-234	45EC-237	45EC-239	45EC-234	45EC-237	45EC-239
$Jx = 17,252 \text{ cm}^4$	$Jx = 0,218 \text{ cm}^4$	$Jx = 7,341 \text{ cm}^4$	$Jx = 17,252 \text{ cm}^4$	$Jx = 0,218 \text{ cm}^4$	$Jx = 7,341 \text{ cm}^4$
$Jy = 24,748 \text{ cm}^4$	$Jy = 5,461 \text{ cm}^4$	$Jy = 0,465 \text{ cm}^4$	$Jy = 24,748 \text{ cm}^4$	$Jy = 5,461 \text{ cm}^4$	$Jy = 0,465 \text{ cm}^4$
$Wx = 7,146 \text{ cm}^3$	$Wx = 0,221 \text{ cm}^3$	$Wx = 3,598 \text{ cm}^3$	$Wx = 7,146 \text{ cm}^3$	$Wx = 0,221 \text{ cm}^3$	$Wx = 3,598 \text{ cm}^3$
$Wy = 5,194 \text{ cm}^3$	$Wy = 1,640 \text{ cm}^3$	$Wy = 0,628 \text{ cm}^3$	$Wy = 5,194 \text{ cm}^3$	$Wy = 1,640 \text{ cm}^3$	$Wy = 0,628 \text{ cm}^3$
$Jx \text{ Total} = 49,622 \text{ cm}^4$			(perfil 45EC-238 não considerado no cálculo)		



PORTA DE CORRER 2 FOLHAS



45EC-234	45EC-237	45EC-239	45EC-235	45EC-237	45EC-239
$Jx = 17,252 \text{ cm}^4$	$Jx = 0,218 \text{ cm}^4$	$Jx = 7,341 \text{ cm}^4$	$Jx = 40,823 \text{ cm}^4$	$Jx = 0,218 \text{ cm}^4$	$Jx = 7,341 \text{ cm}^4$
$Jy = 24,748 \text{ cm}^4$	$Jy = 5,461 \text{ cm}^4$	$Jy = 0,465 \text{ cm}^4$	$Jy = 28,022 \text{ cm}^4$	$Jy = 5,461 \text{ cm}^4$	$Jy = 0,465 \text{ cm}^4$
$Wx = 7,146 \text{ cm}^3$	$Wx = 0,221 \text{ cm}^3$	$Wx = 3,598 \text{ cm}^3$	$Wx = 10,089 \text{ cm}^3$	$Wx = 0,221 \text{ cm}^3$	$Wx = 3,598 \text{ cm}^3$
$Wy = 5,194 \text{ cm}^3$	$Wy = 1,640 \text{ cm}^3$	$Wy = 0,628 \text{ cm}^3$	$Wy = 6,354 \text{ cm}^3$	$Wy = 1,640 \text{ cm}^3$	$Wy = 0,628 \text{ cm}^3$
$Jx \text{ Total} = 73,193 \text{ cm}^4$			(perfil 45EC-238 não considerado no cálculo)		

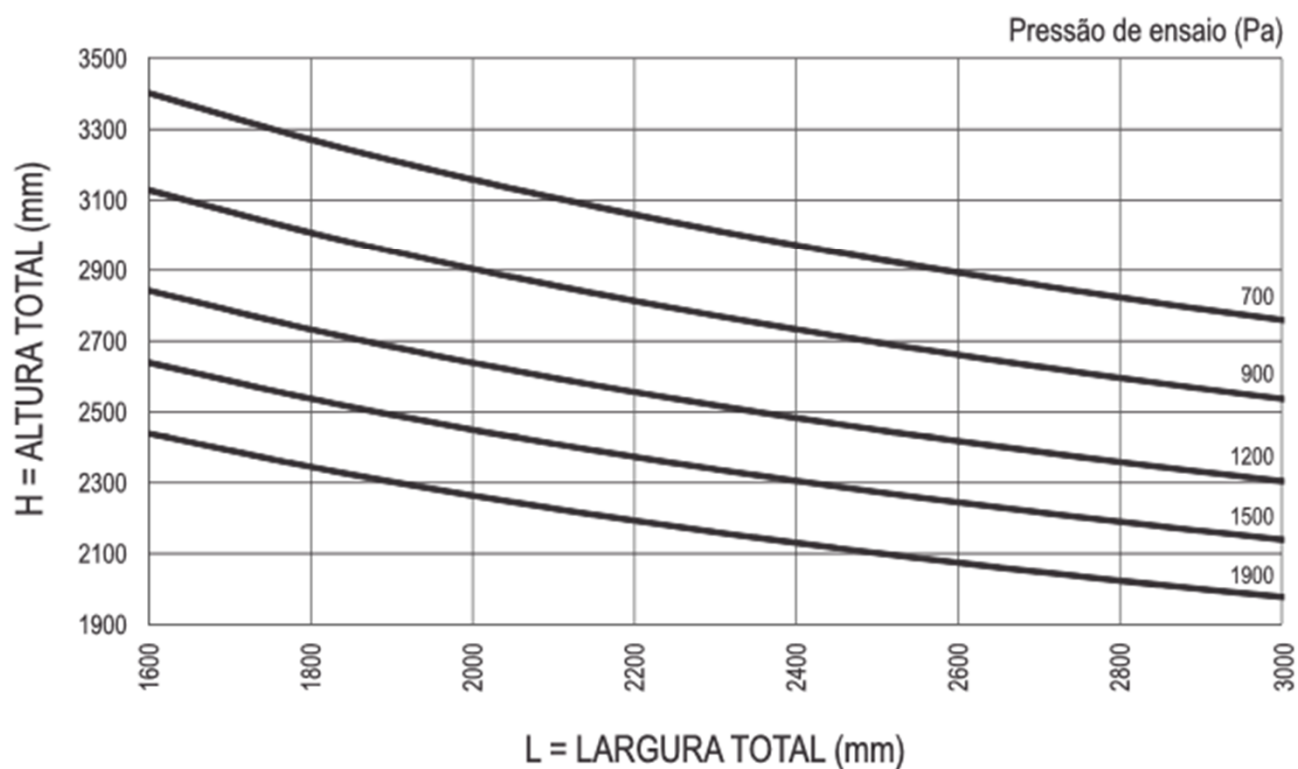
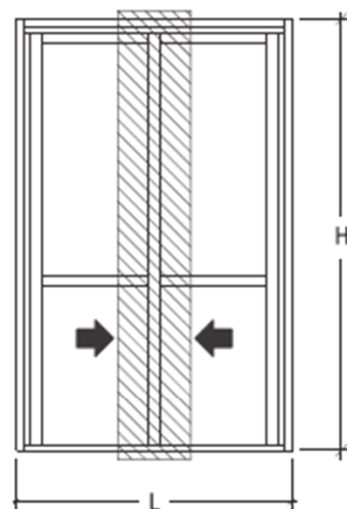
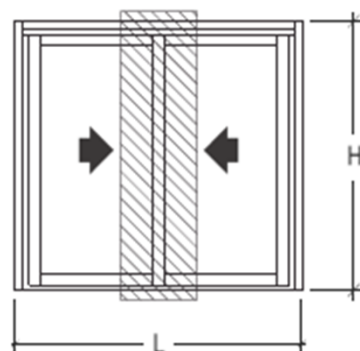
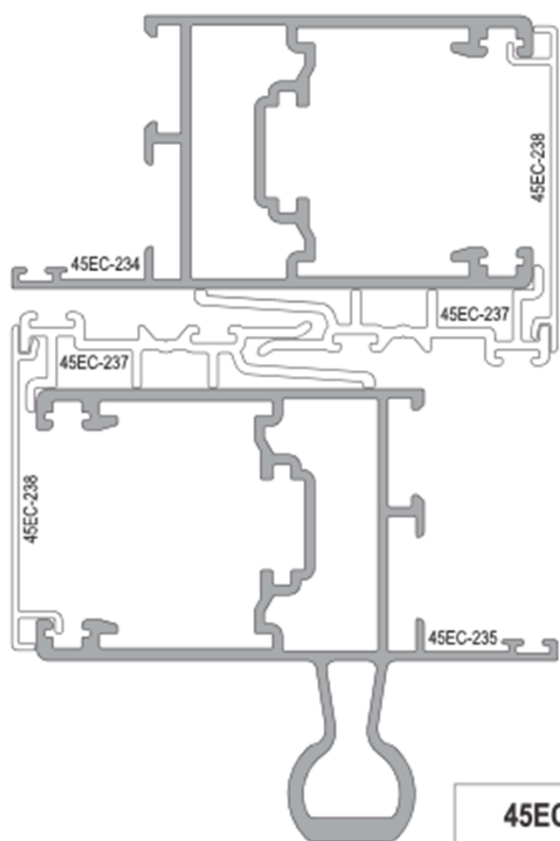
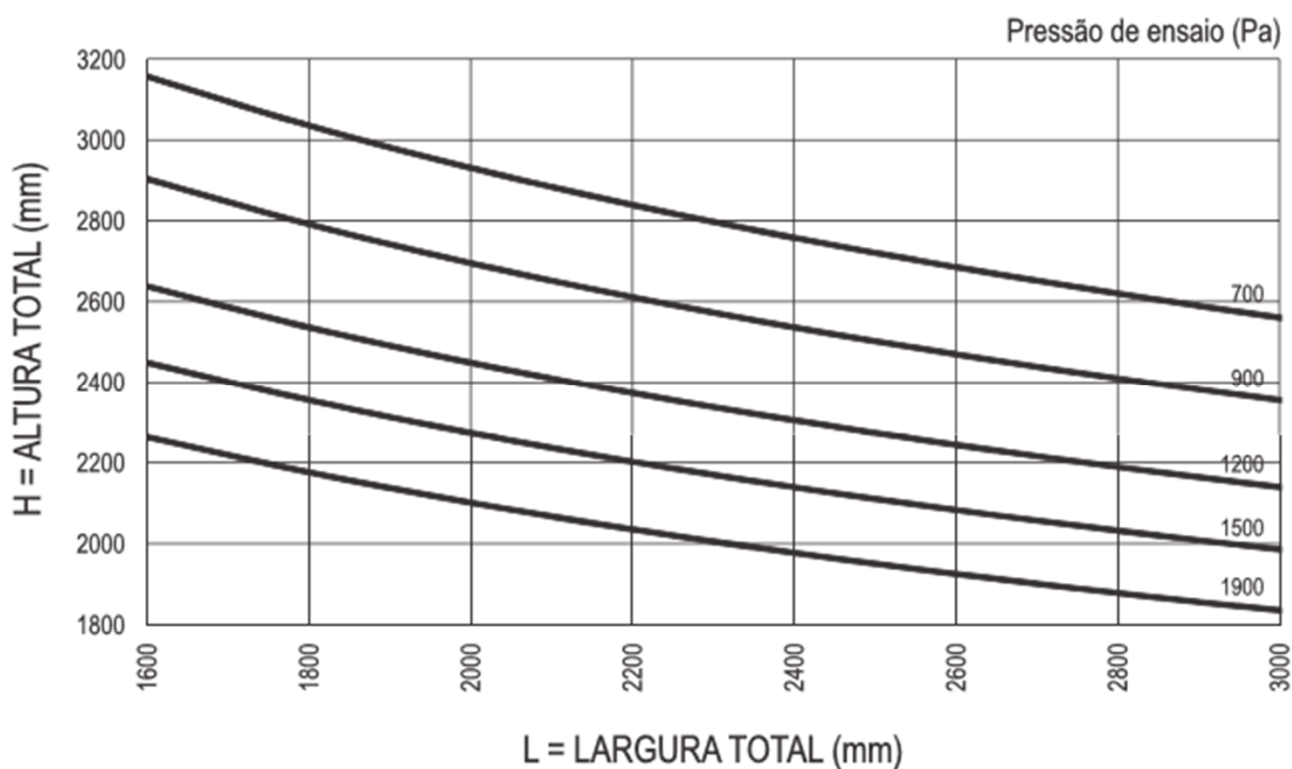


DIAGRAMA DE DIMENSÕES

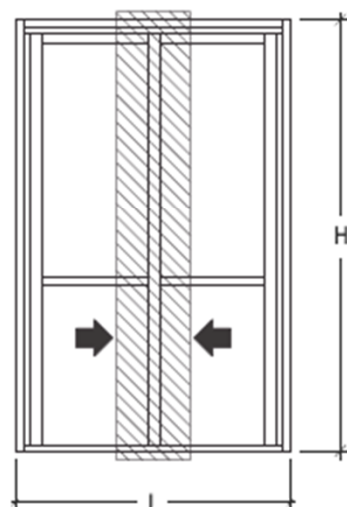
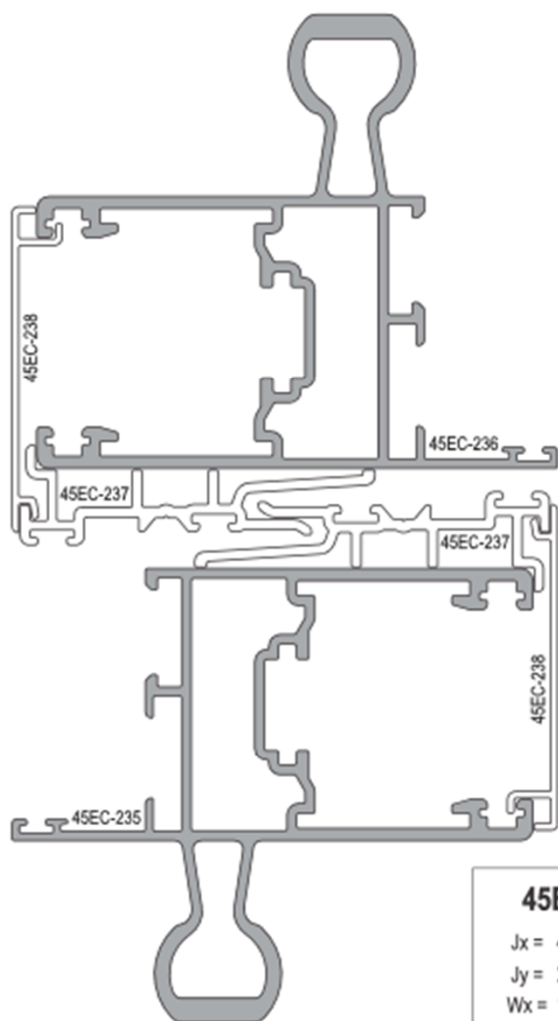
JANELA/PORTA DE CORRER 2 FOLHAS



45EC-234	45EC-237	45EC-235	45EC-237
$Jx = 17,252 \text{ cm}^4$	$Jx = 0,218 \text{ cm}^4$	$Jx = 40,823 \text{ cm}^4$	$Jx = 0,218 \text{ cm}^4$
$Jy = 24,748 \text{ cm}^4$	$Jy = 5,461 \text{ cm}^4$	$Jy = 28,022 \text{ cm}^4$	$Jy = 5,461 \text{ cm}^4$
$Wx = 7,146 \text{ cm}^3$	$Wx = 0,221 \text{ cm}^3$	$Wx = 10,089 \text{ cm}^3$	$Wx = 0,221 \text{ cm}^3$
$Wy = 5,194 \text{ cm}^3$	$Wy = 1,640 \text{ cm}^3$	$Wy = 6,354 \text{ cm}^3$	$Wy = 1,640 \text{ cm}^3$
$Jx \text{ Total} = 58,511 \text{ cm}^4$		(perfil 45EC-238 não considerado no cálculo)	



PORTA DE CORRER 2 FOLHAS



45EC-236	45EC-237	45EC-235	45EC-237
Jx = 44,580 cm ⁴	Jx = 0,218 cm ⁴	Jx = 40,823 cm ⁴	Jx = 0,218 cm ⁴
Jy = 28,022 cm ⁴	Jy = 5,461 cm ⁴	Jy = 28,022 cm ⁴	Jy = 5,461 cm ⁴
Wx = 10,396 cm ³	Wx = 0,221 cm ³	Wx = 10,089 cm ³	Wx = 0,221 cm ³
Wy = 6,354 cm ³	Wy = 1,640 cm ³	Wy = 6,354 cm ³	Wy = 1,640 cm ³
Jx Total = 85,839 cm ⁴ (perfil 45EC-238 não considerado no cálculo)			

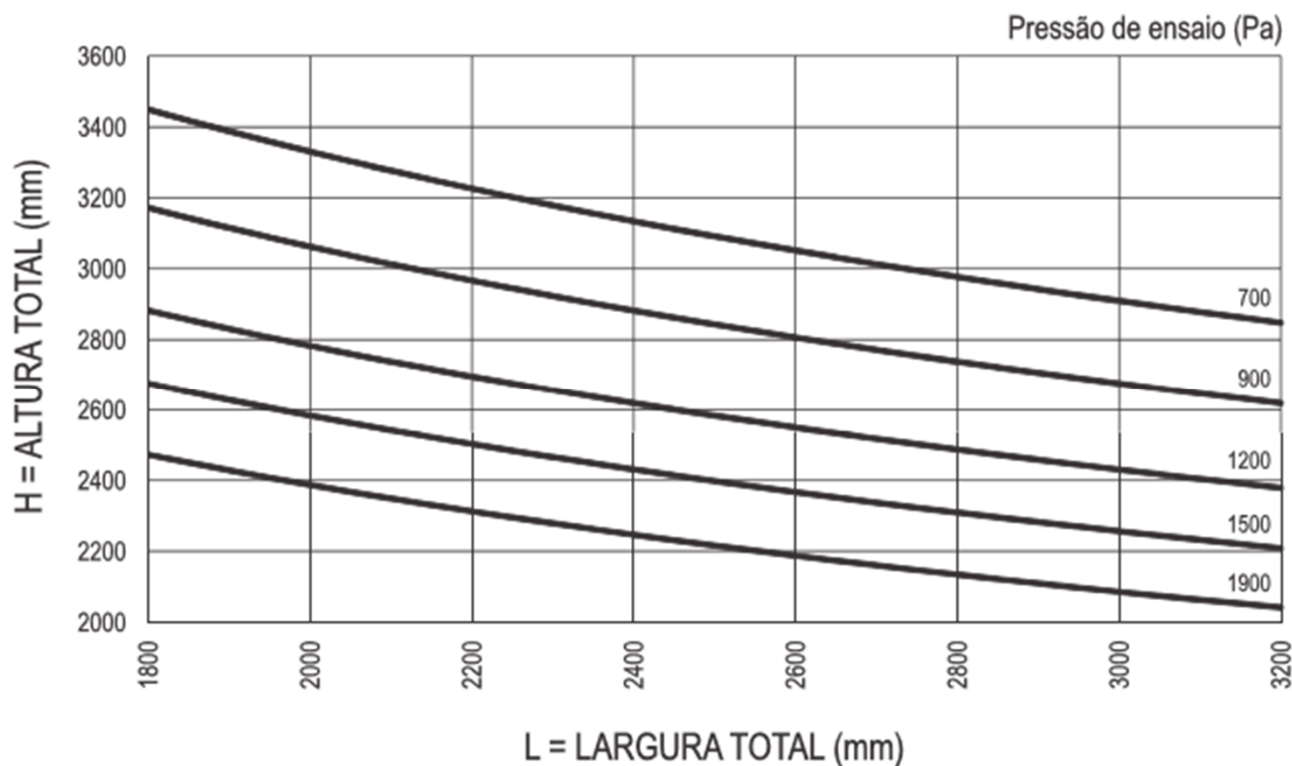
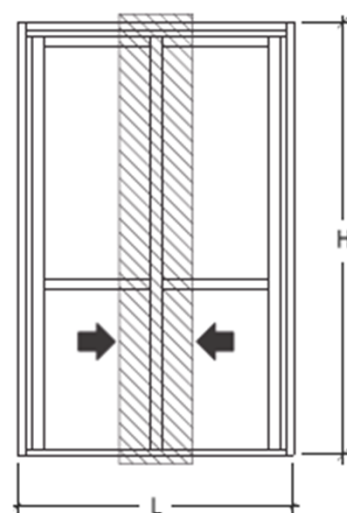
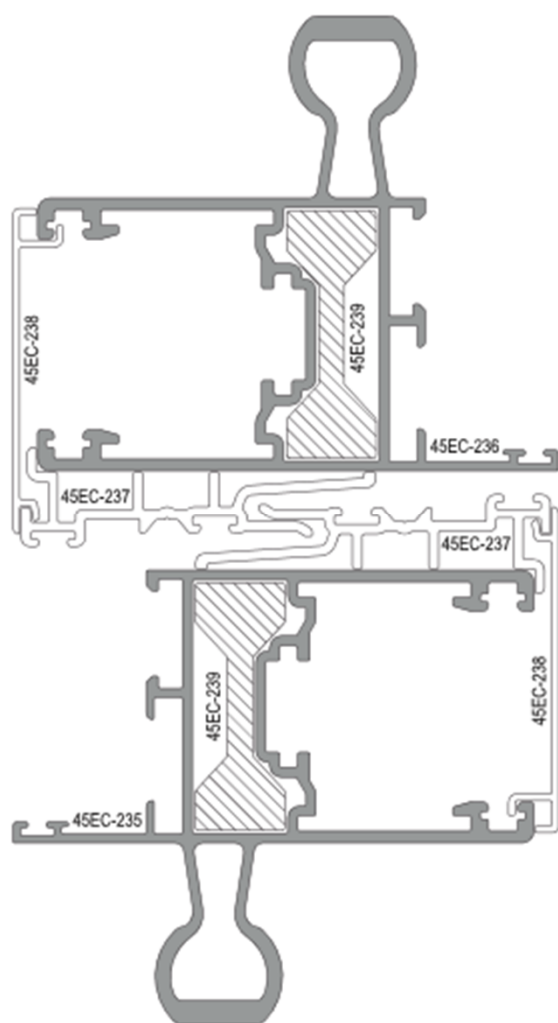


DIAGRAMA DE DIMENSÕES

PORTA DE CORRER 2 FOLHAS

**45EC-236**

Jx = 44,580 cm⁴
 Jy = 28,022 cm⁴
 Wx = 10,396 cm³
 Wy = 6,354 cm³

45EC-237

Jx = 0,218 cm⁴
 Jy = 5,461 cm⁴
 Wx = 0,221 cm³
 Wy = 1,640 cm³

45EC-239

Jx = 7,341 cm⁴
 Jy = 0,465 cm⁴
 Wx = 3,598 cm³
 Wy = 0,628 cm³

45EC-235

Jx = 40,823 cm⁴
 Jy = 28,022 cm⁴
 Wx = 10,089 cm³
 Wy = 6,354 cm³

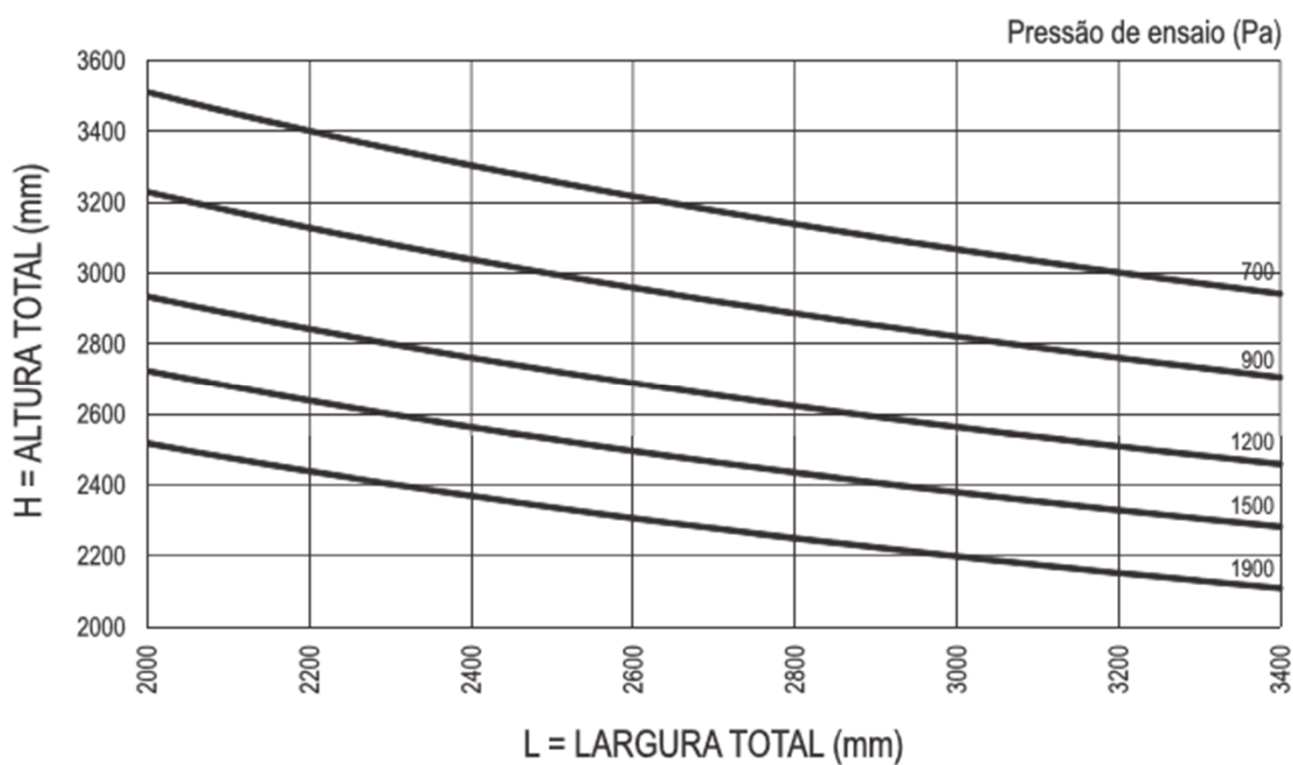
45EC-237

Jx = 0,218 cm⁴
 Jy = 5,461 cm⁴
 Wx = 0,221 cm³
 Wy = 1,640 cm³

45EC-239

Jx = 7,341 cm⁴
 Jy = 0,465 cm⁴
 Wx = 3,598 cm³
 Wy = 0,628 cm³

Jx Total = 100,521 cm⁴ (perfil 45EC-238 não considerado no cálculo)



PORTA DE CORRER 4 FOLHAS

45EC-235 $J_x = 40,823 \text{ cm}^4$ $J_y = 28,022 \text{ cm}^4$ $W_x = 10,089 \text{ cm}^3$ $W_y = 6,354 \text{ cm}^3$	45EC-239 $J_x = 7,341 \text{ cm}^4$ $J_y = 0,465 \text{ cm}^4$ $W_x = 3,598 \text{ cm}^3$ $W_y = 0,628 \text{ cm}^3$
45EC-235 $J_x = 40,823 \text{ cm}^4$ $J_y = 28,022 \text{ cm}^4$ $W_x = 10,089 \text{ cm}^3$ $W_y = 6,354 \text{ cm}^3$	45EC-239 $J_x = 7,341 \text{ cm}^4$ $J_y = 0,465 \text{ cm}^4$ $W_x = 3,598 \text{ cm}^3$ $W_y = 0,628 \text{ cm}^3$
Jx Total = 96,328 cm⁴ (perfil 45EC-299 não considerado no cálculo)	

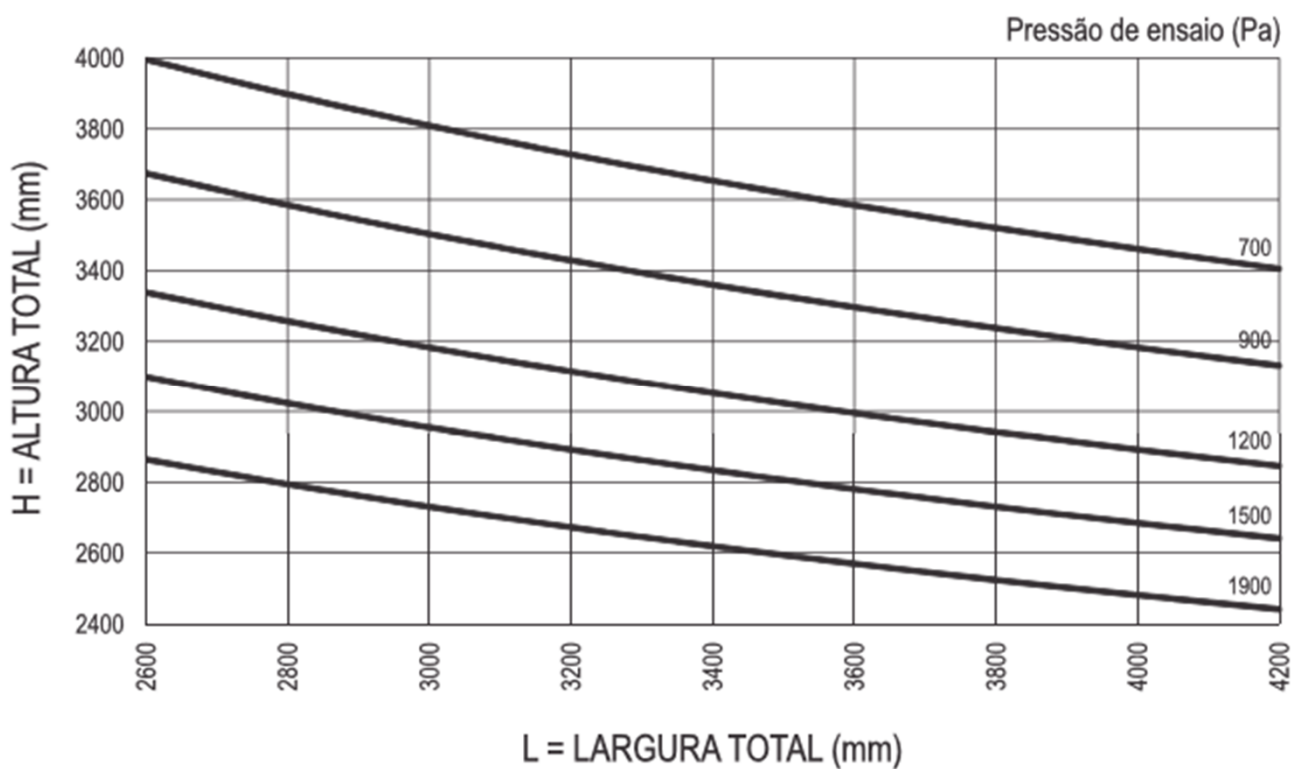
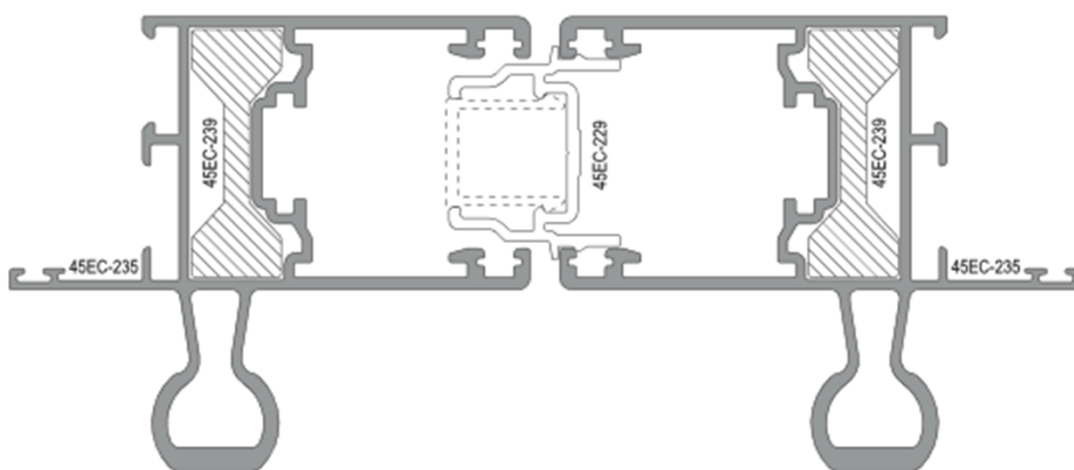
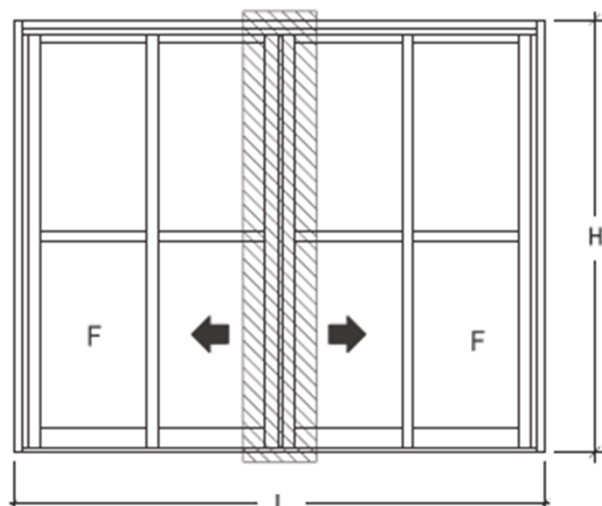
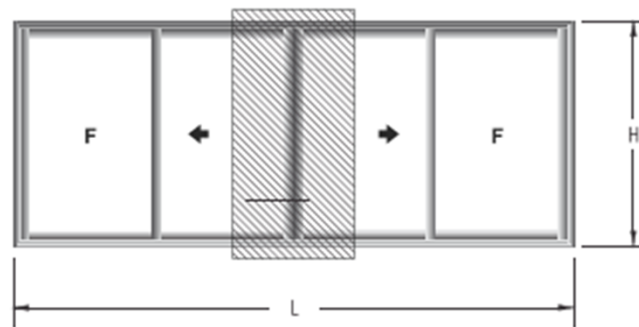
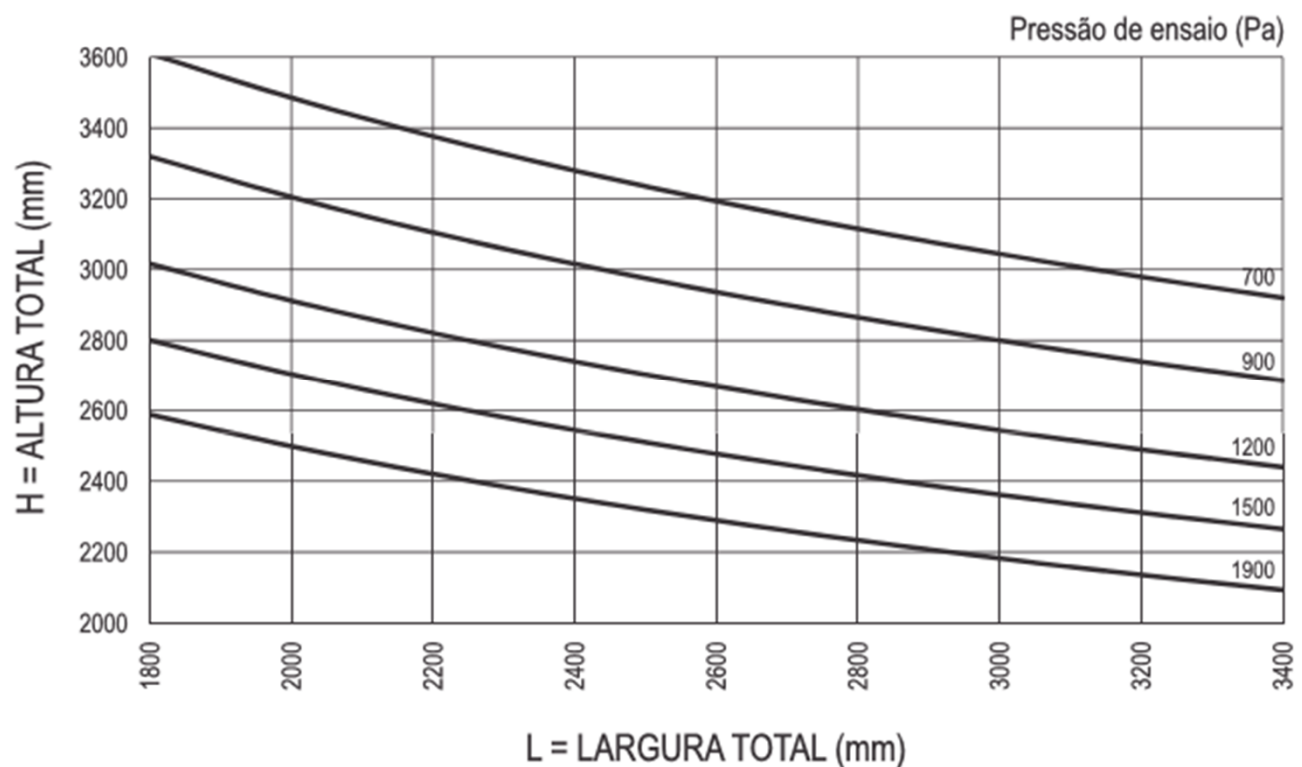
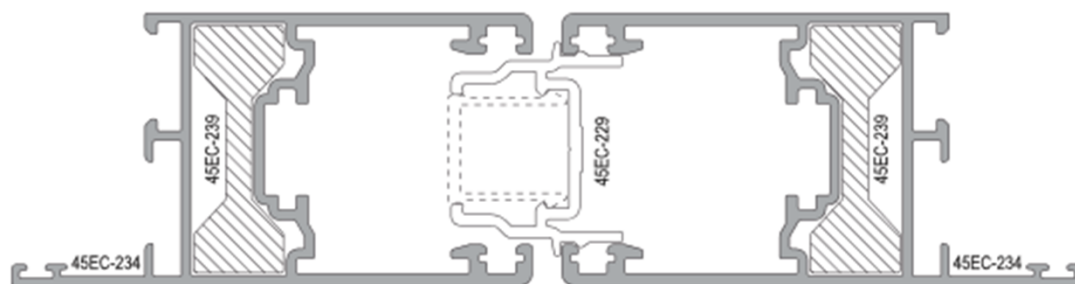


DIAGRAMA DE DIMENSÕES

JANELA DE CORRER 4 FOLHAS



45EC-234	45EC-239	45EC-234	45EC-239
$Jx = 17,252 \text{ cm}^4$	$Jx = 7,341 \text{ cm}^4$	$Jx = 17,252 \text{ cm}^4$	$Jx = 7,341 \text{ cm}^4$
$Jy = 24,748 \text{ cm}^4$	$Jy = 0,465 \text{ cm}^4$	$Jy = 24,748 \text{ cm}^4$	$Jy = 0,465 \text{ cm}^4$
$Wx = 7,146 \text{ cm}^3$	$Wx = 3,598 \text{ cm}^3$	$Wx = 7,146 \text{ cm}^3$	$Wx = 3,598 \text{ cm}^3$
$Wy = 5,194 \text{ cm}^3$	$Wy = 0,628 \text{ cm}^3$	$Wy = 5,194 \text{ cm}^3$	$Wy = 0,628 \text{ cm}^3$
$Jx \text{ Total} = 49,186 \text{ cm}^4$ (perfil 45EC-229 não considerado no cálculo)			



JANELA DE CORRER 4 FOLHAS

45EC-234	45EC-234
$Jx = 17,252 \text{ cm}^4$	$Jx = 17,252 \text{ cm}^4$
$Jy = 24,748 \text{ cm}^4$	$Jy = 24,748 \text{ cm}^4$
$Wx = 7,146 \text{ cm}^3$	$Wx = 7,146 \text{ cm}^3$
$Wy = 5,194 \text{ cm}^3$	$Wy = 5,194 \text{ cm}^3$
$Jx \text{ Total} = 34,504 \text{ cm}^4$ (perfil 45EC-229 não considerado no cálculo)	

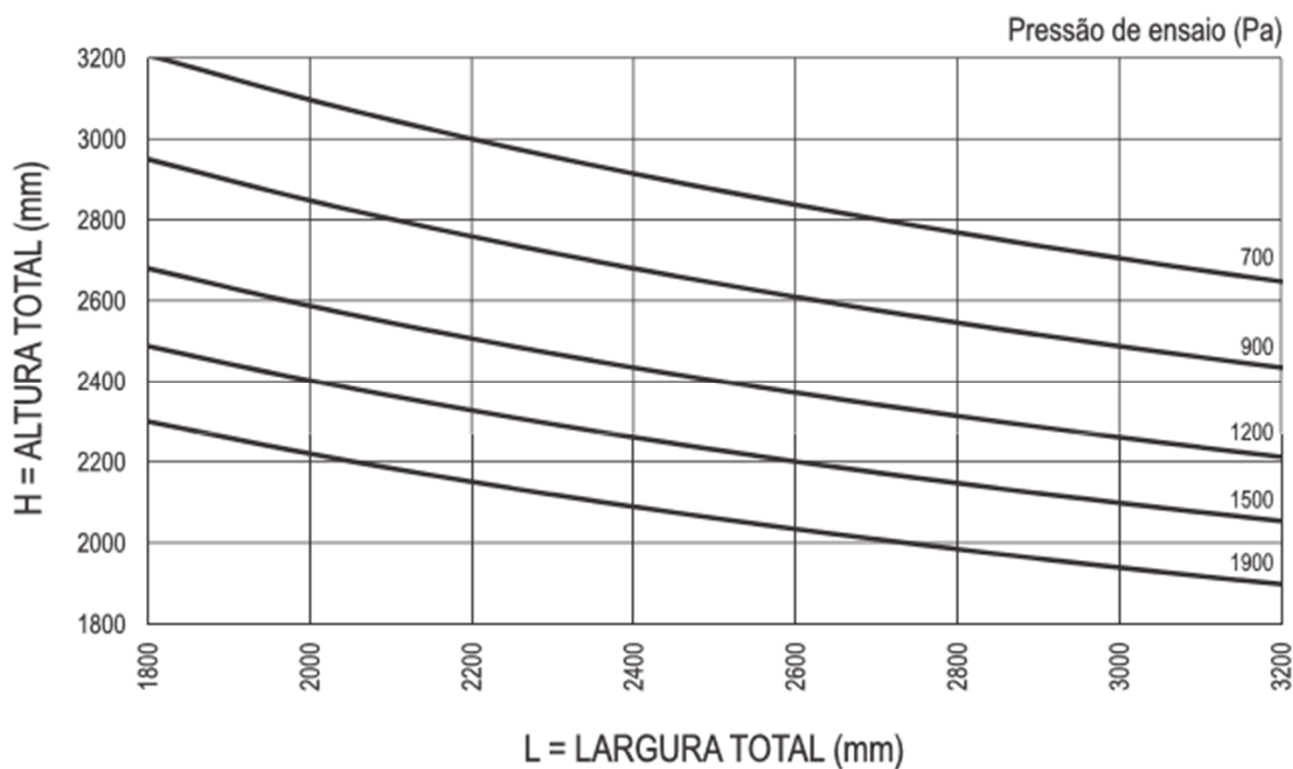
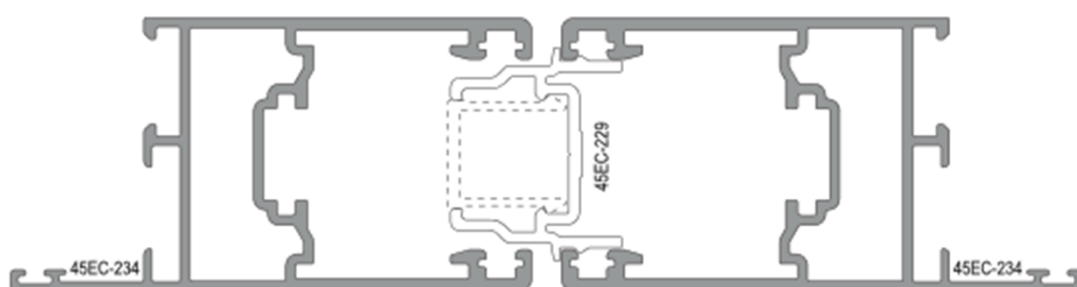
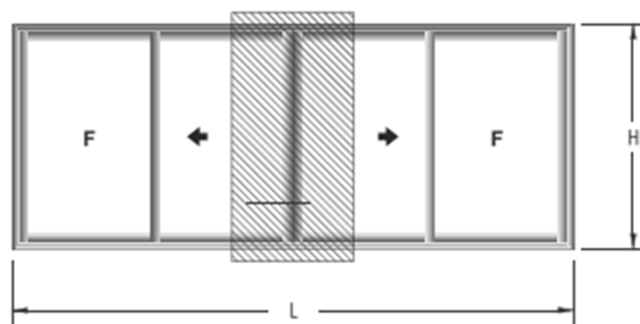
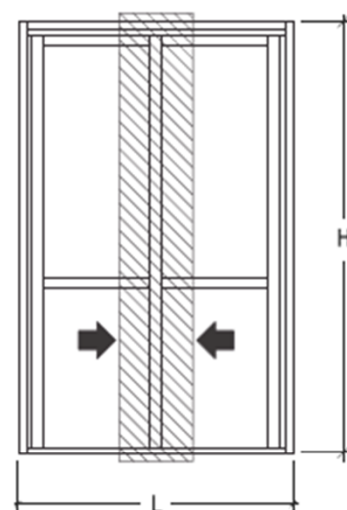
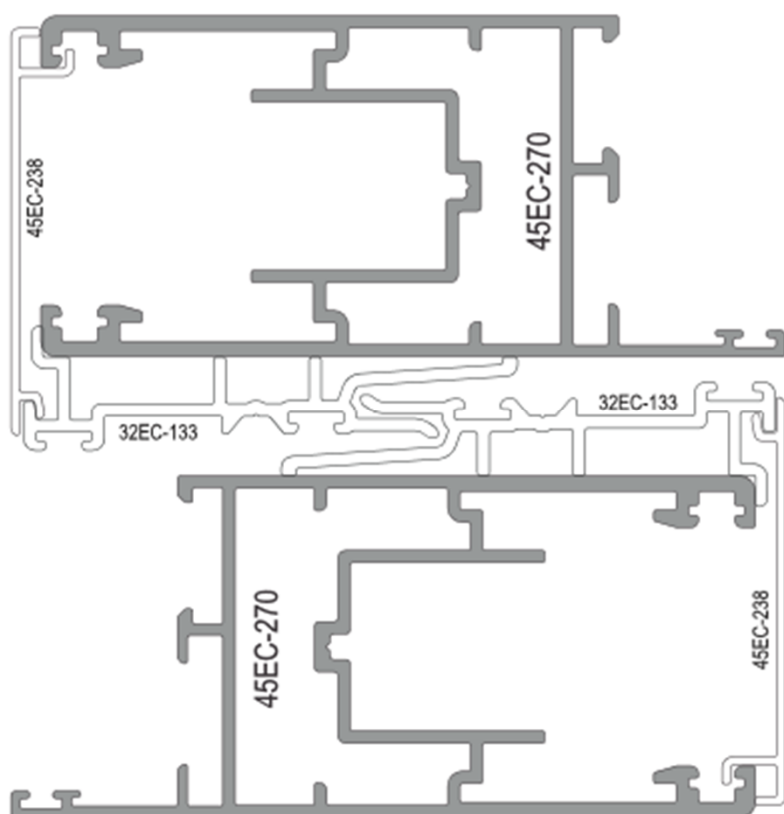


DIAGRAMA DE DIMENSÕES

PORTA DE CORRER 2 FOLHAS

**45EC-270**

$$Jx = 20,336 \text{ cm}^4$$

$$Jy = 38,912 \text{ cm}^4$$

$$Wx = 8,526 \text{ cm}^3$$

$$Wy = 7,215 \text{ cm}^3$$

45EC-270

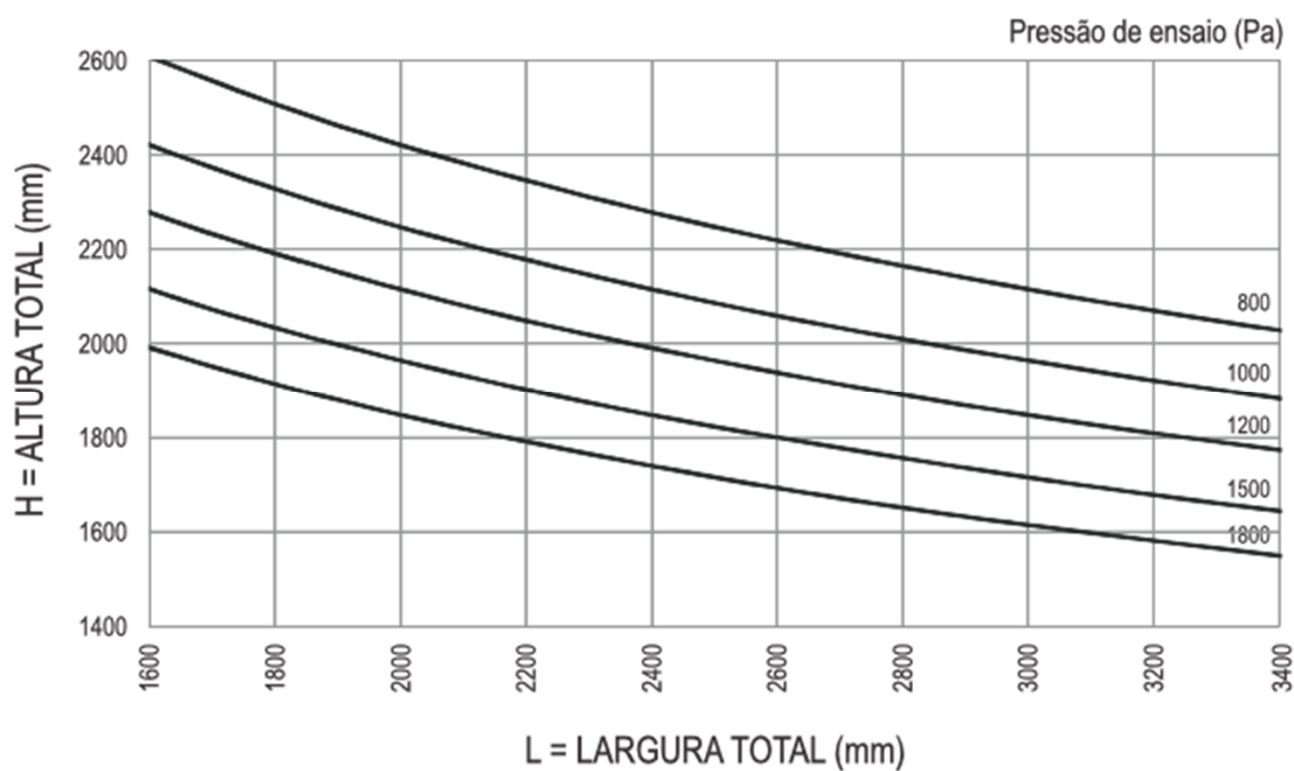
$$Jx = 20,336 \text{ cm}^4$$

$$Jy = 38,912 \text{ cm}^4$$

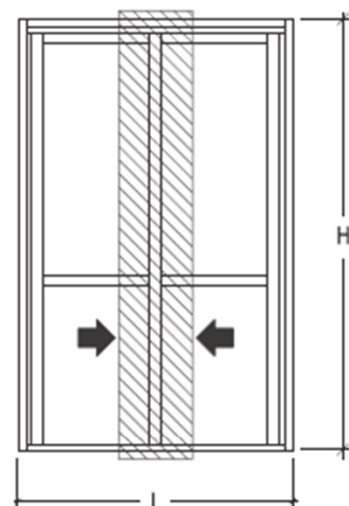
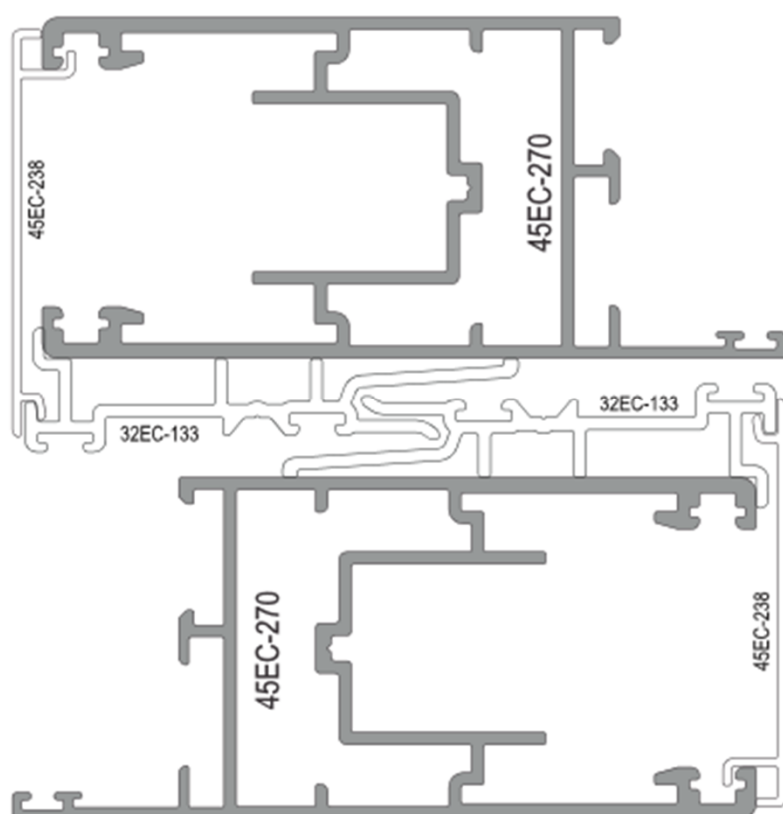
$$Wx = 8,526 \text{ cm}^3$$

$$Wy = 7,215 \text{ cm}^3$$

$$Jx \text{ Total} = 40,672 \text{ cm}^4$$



PORTA DE CORRER 2 FOLHAS



45EC-270

$J_x = 20,336 \text{ cm}^4$
 $J_y = 38,912 \text{ cm}^4$
 $W_x = 8,526 \text{ cm}^3$
 $W_y = 7,215 \text{ cm}^3$

45EC-270

$J_x = 20,336 \text{ cm}^4$
 $J_y = 38,912 \text{ cm}^4$
 $W_x = 8,526 \text{ cm}^3$
 $W_y = 7,215 \text{ cm}^3$

$J_x \text{ Total} = 40,672 \text{ cm}^4$

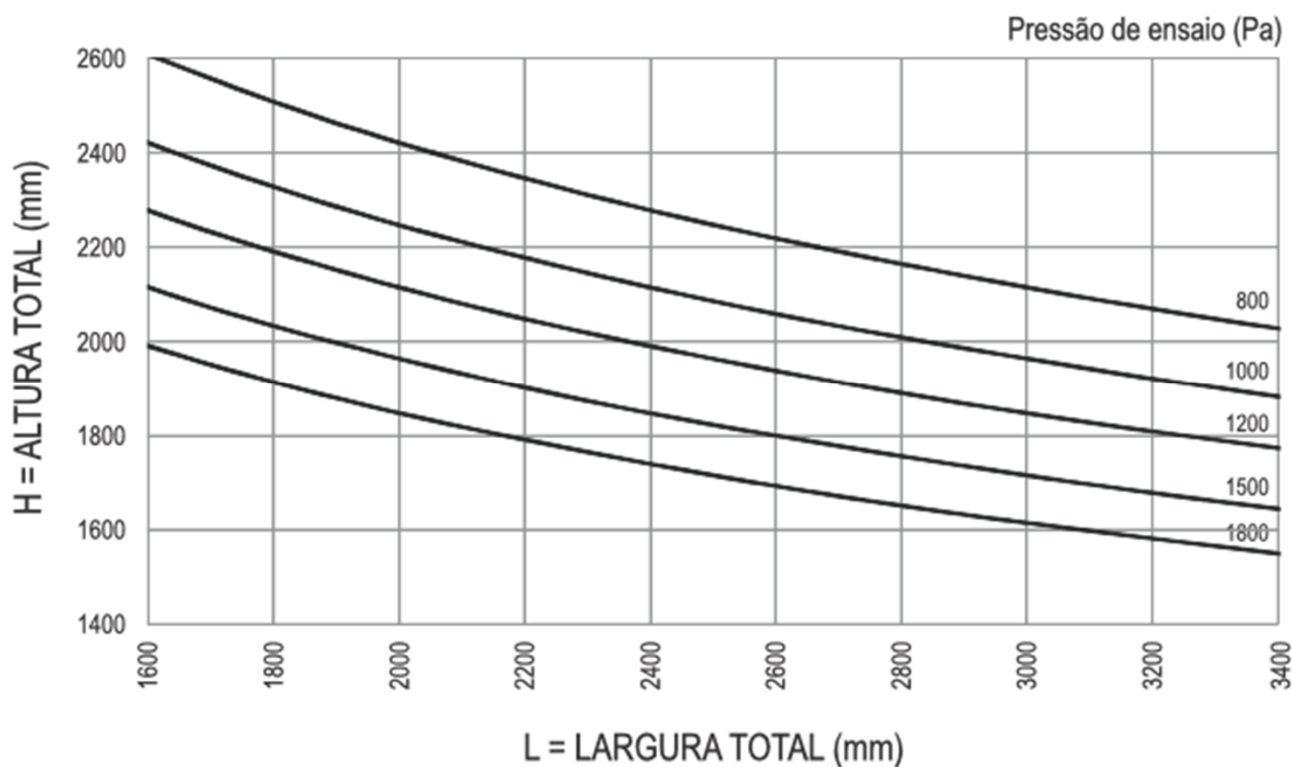
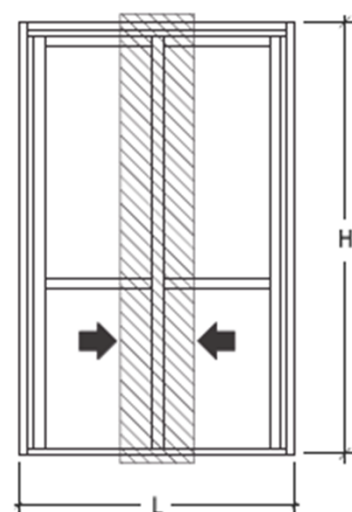
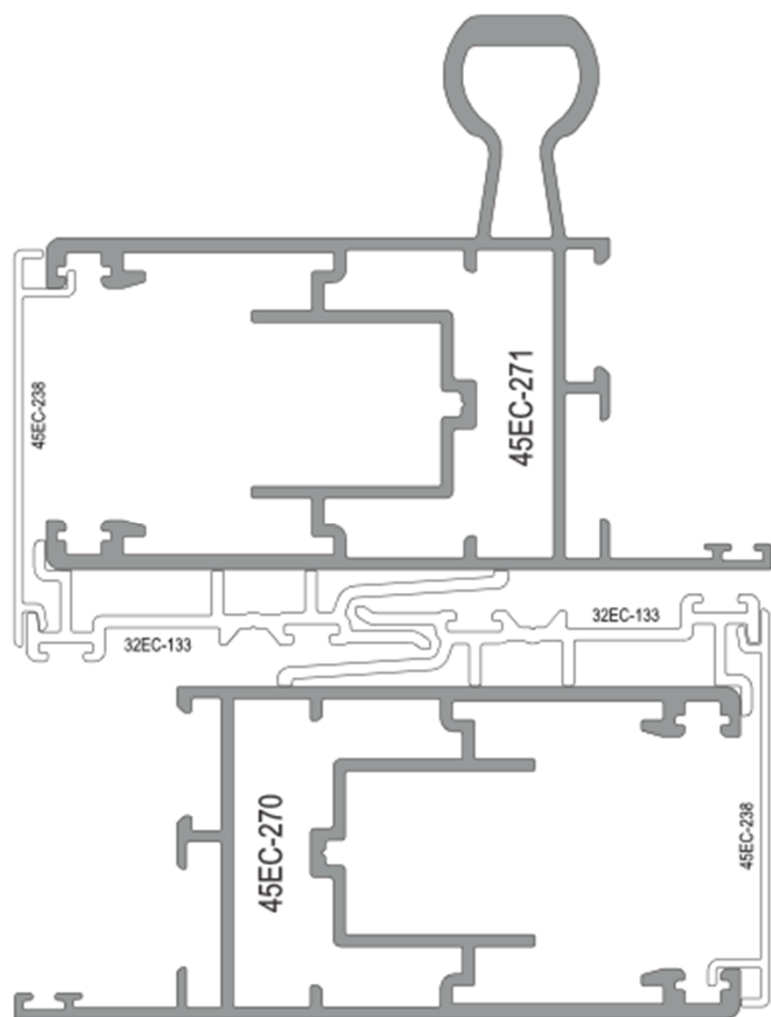


DIAGRAMA DE DIMENSÕES

PORTA DE CORRER 2 FOLHAS

**45EC-270**

$$Jx = 20,336 \text{ cm}^4$$

$$Jy = 38,912 \text{ cm}^4$$

$$Wx = 8,526 \text{ cm}^3$$

$$Wy = 7,215 \text{ cm}^3$$

45EC-271

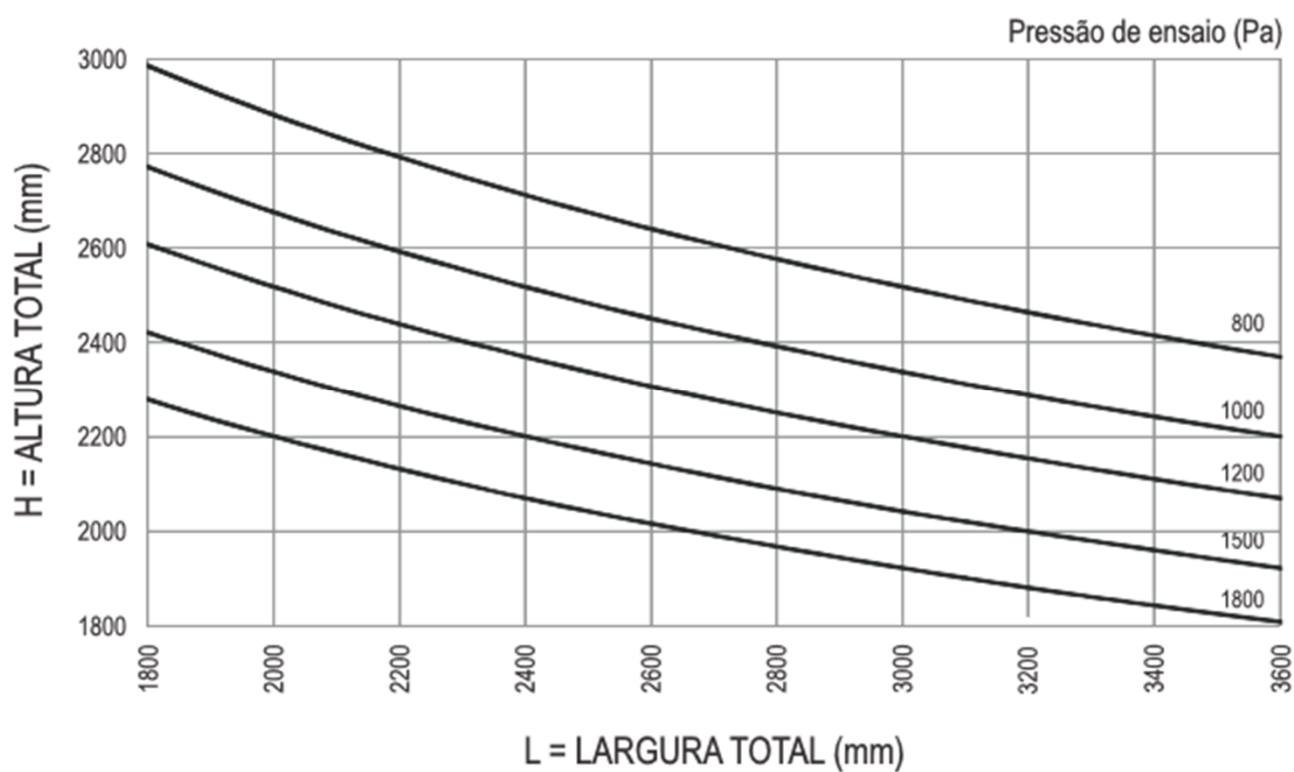
$$Jx = 48,561 \text{ cm}^4$$

$$Jy = 45,314 \text{ cm}^4$$

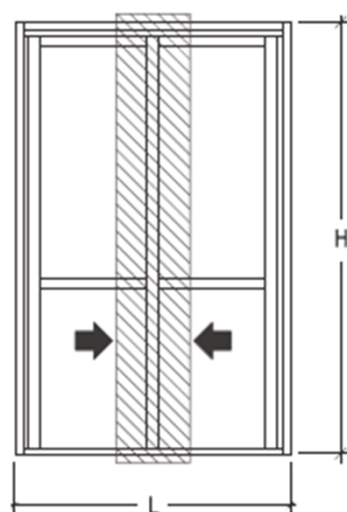
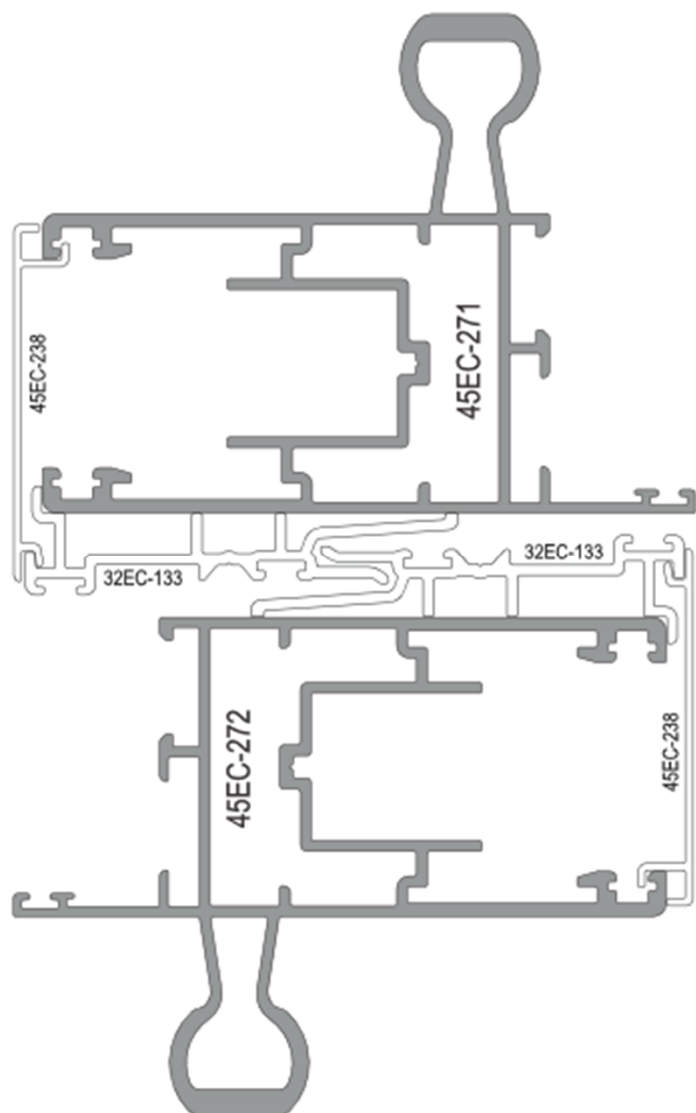
$$Wx = 10,994 \text{ cm}^3$$

$$Wy = 9,159 \text{ cm}^3$$

$$Jx \text{ Total} = 68,897 \text{ cm}^4$$



PORTA DE CORRER 2 FOLHAS



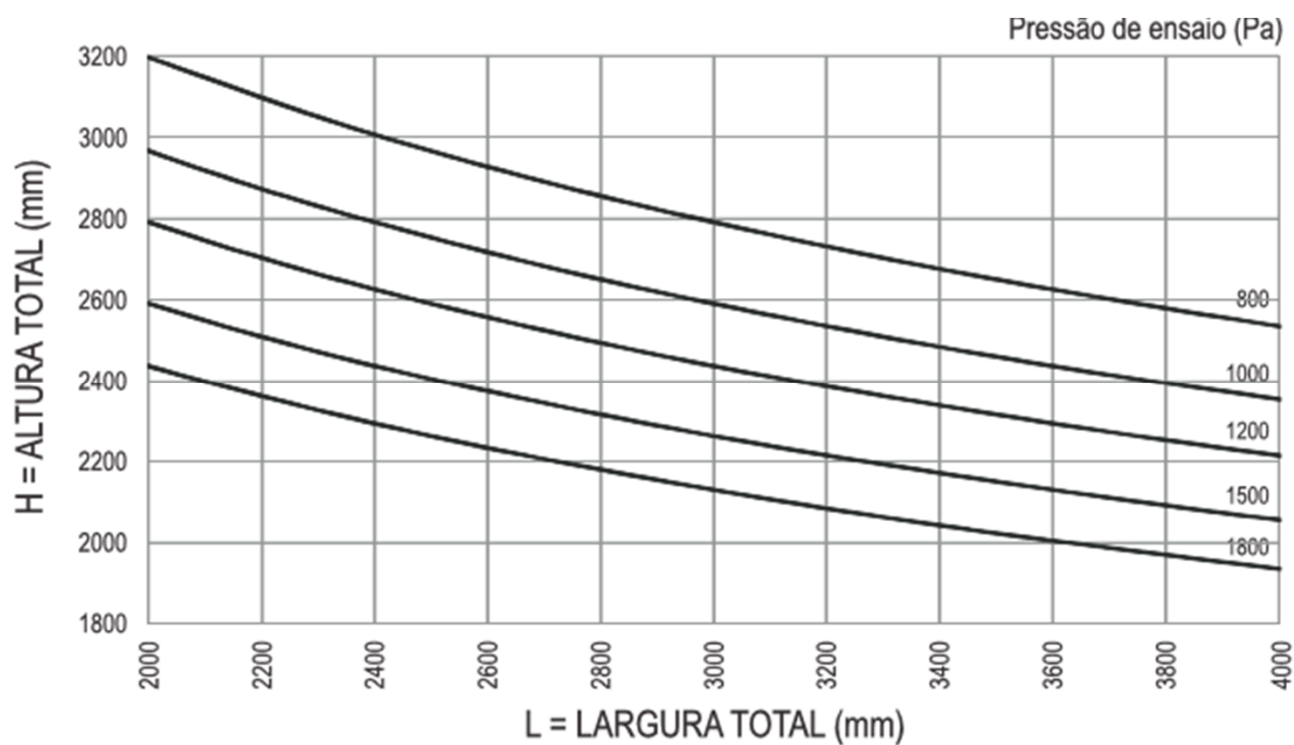
45EC-271

$Jx = 48,561 \text{ cm}^4$
 $Jy = 45,314 \text{ cm}^4$
 $Wx = 10,994 \text{ cm}^3$
 $Wy = 9,159 \text{ cm}^3$

45EC-272

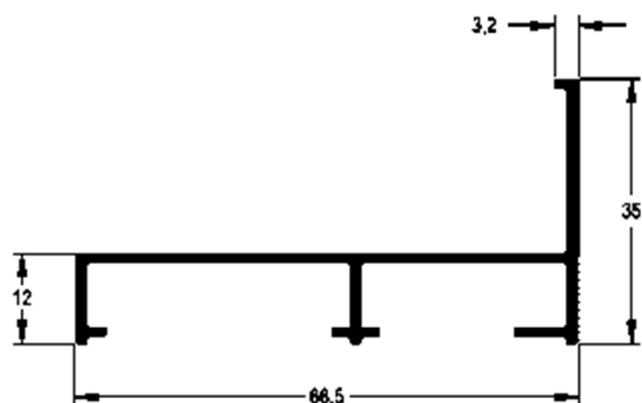
$Jx = 45,302 \text{ cm}^4$
 $Jy = 45,314 \text{ cm}^4$
 $Wx = 10,740 \text{ cm}^3$
 $Wy = 9,159 \text{ cm}^3$

$Jx \text{ Total} = 93,863 \text{ cm}^4$

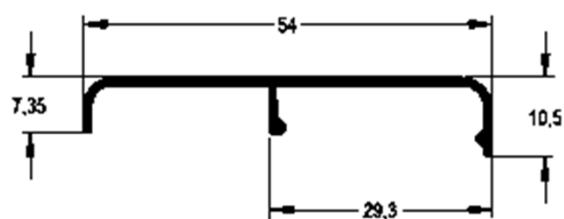


45EC - 201

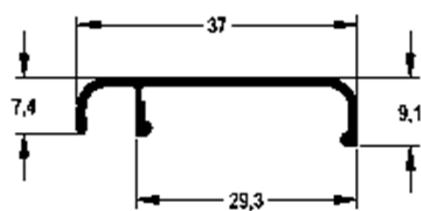
Contramarco
0,511 Kg/m

**45EC - 204**

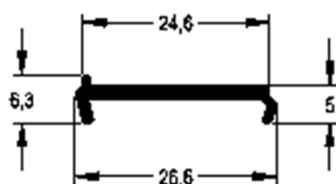
Arremate
0,225 Kg/m

**45EC - 211**

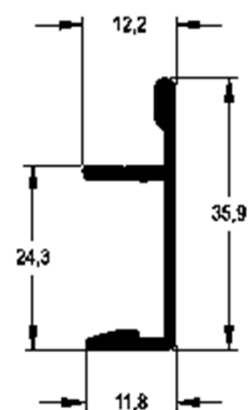
Arremate
0,170 Kg/m

**45EC - 205**

Presilha
0,151 Kg/m

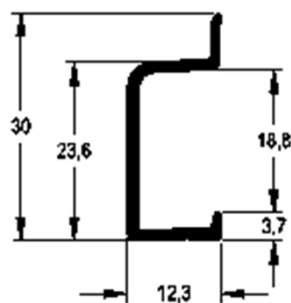
**45EC - 212**

Arremate do Marco
0,247 Kg/m



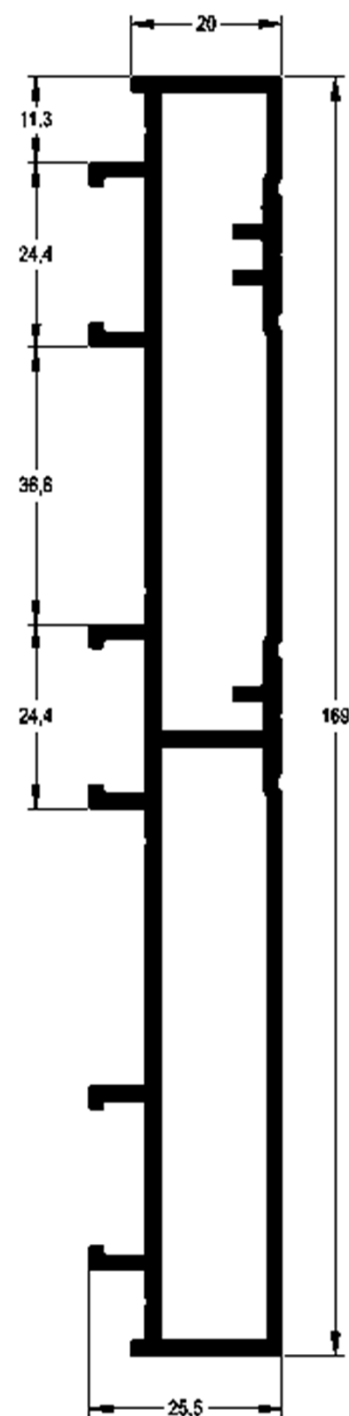
45EC - 208

Arremate
0,207 Kg/m

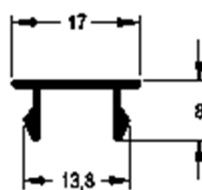
**45EC - 240**

Marco Vertical 3 folhas
2,466 Kg/m

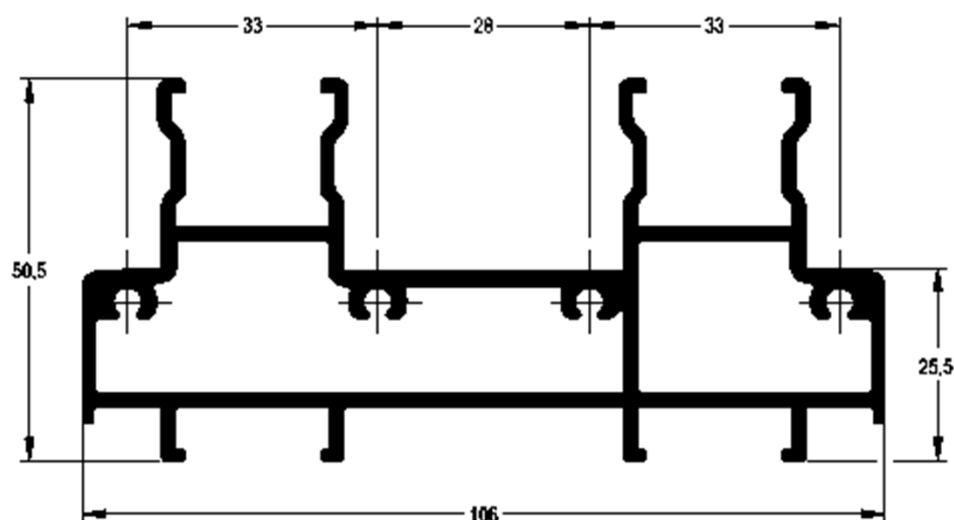
$Jx = 6,330 \text{ cm}^4$	$Wx = 4,183 \text{ cm}^3$
$Jy = 241,096 \text{ cm}^4$	$Wy = 28,031 \text{ cm}^3$

**U-491**

Tampa do Arremate
0,097 Kg/m

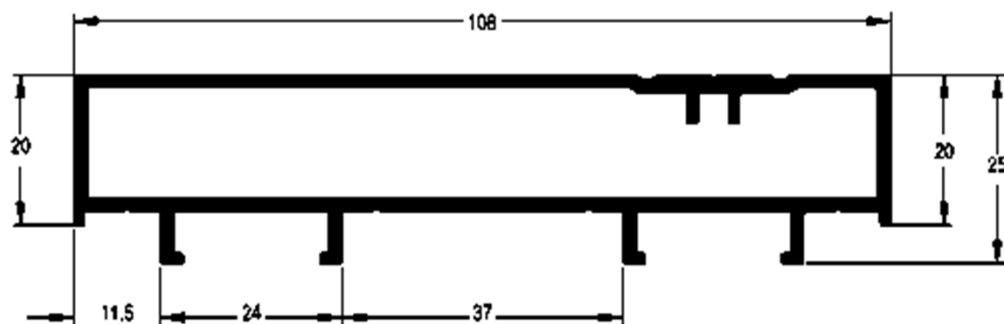
**45EC - 219**

Marco
2.306 Kg/m

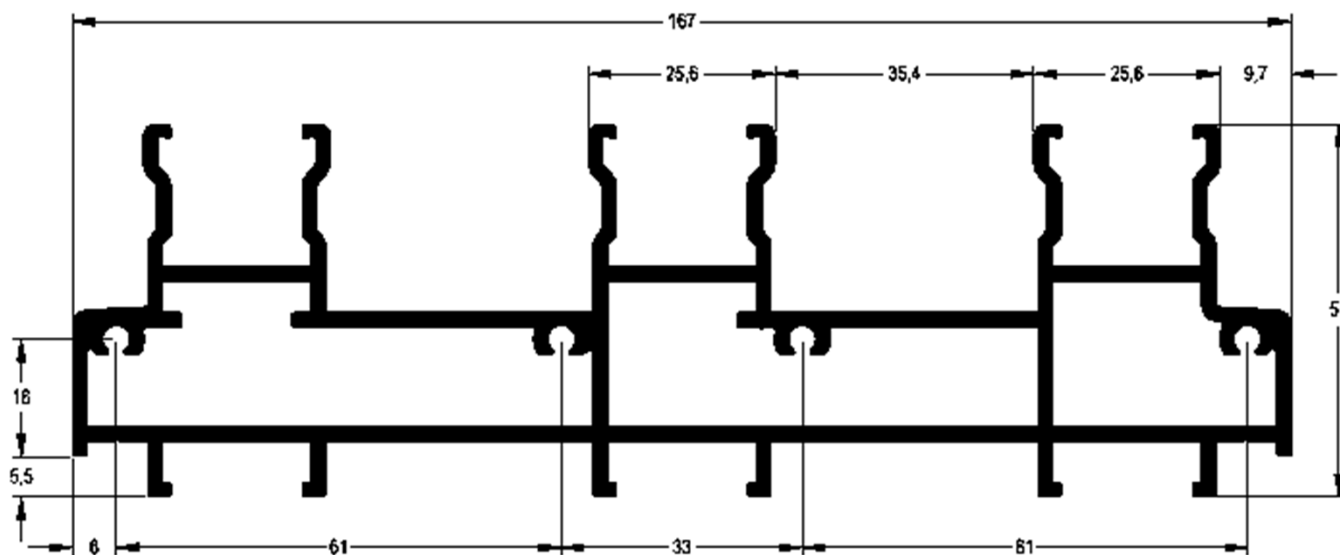


45EC - 221

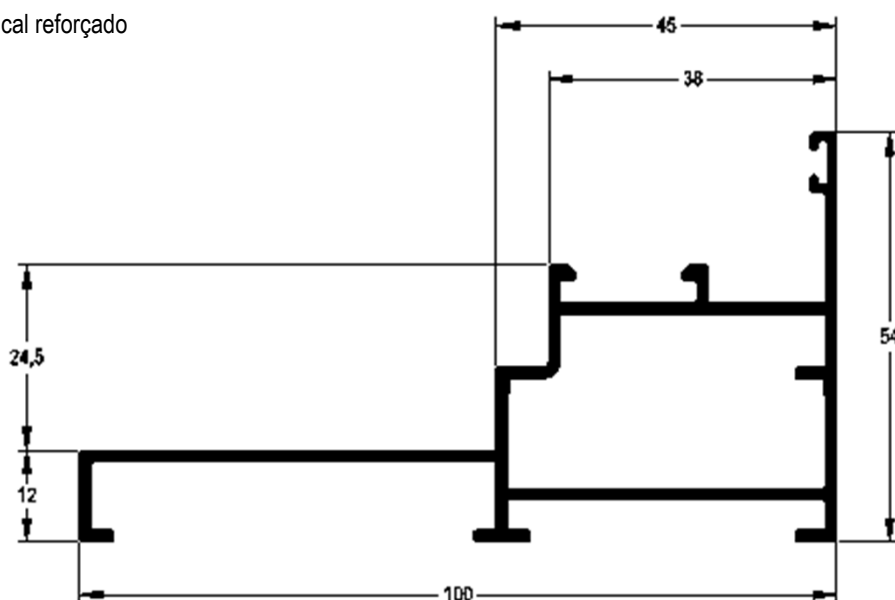
Marco Vertical 2 folhas
1,429 Kg/m

 $J_x = 3,665 \text{ cm}^4$
 $W_x = 2,486 \text{ cm}^3$
 $J_y = 62,206 \text{ cm}^4$
 $W_y = 11,238 \text{ cm}^3$
**45EC - 222**

Marco Horizontal 3 folhas
3,579 Kg/m

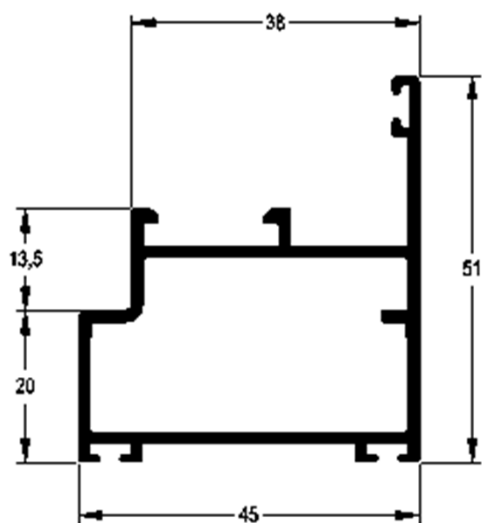
**45EC - 248**

Marco Horizontal e Vertical reforçado
1,099 Kg/m



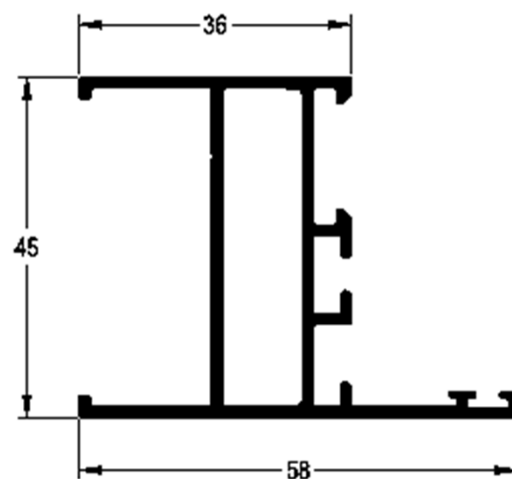
45EC - 249

Marco Horizontal e Vertical
0,785 Kg/m



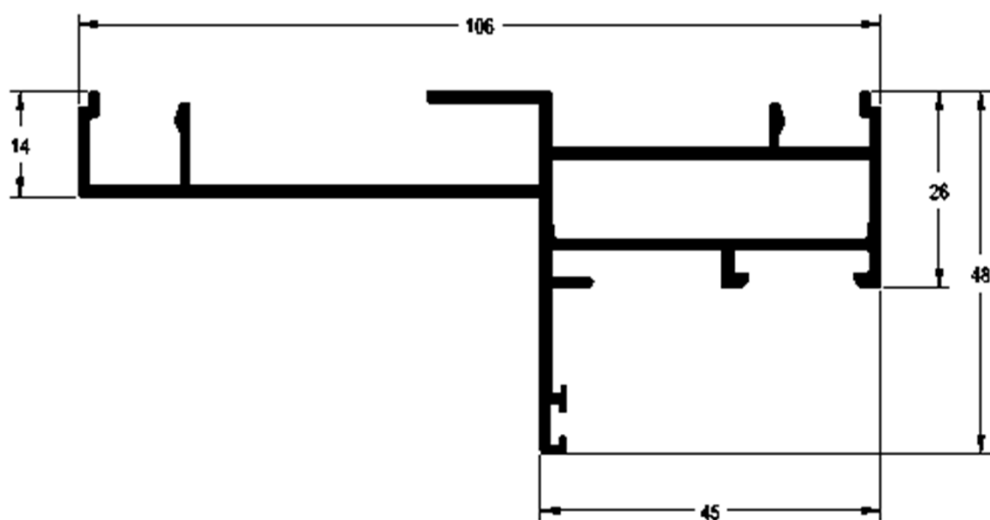
45EC - 268

Marco
0,846 Kg/m



45EC - 263

Marco peitoril com bandeira de correr
1,151 Kg/m



45EC - 236

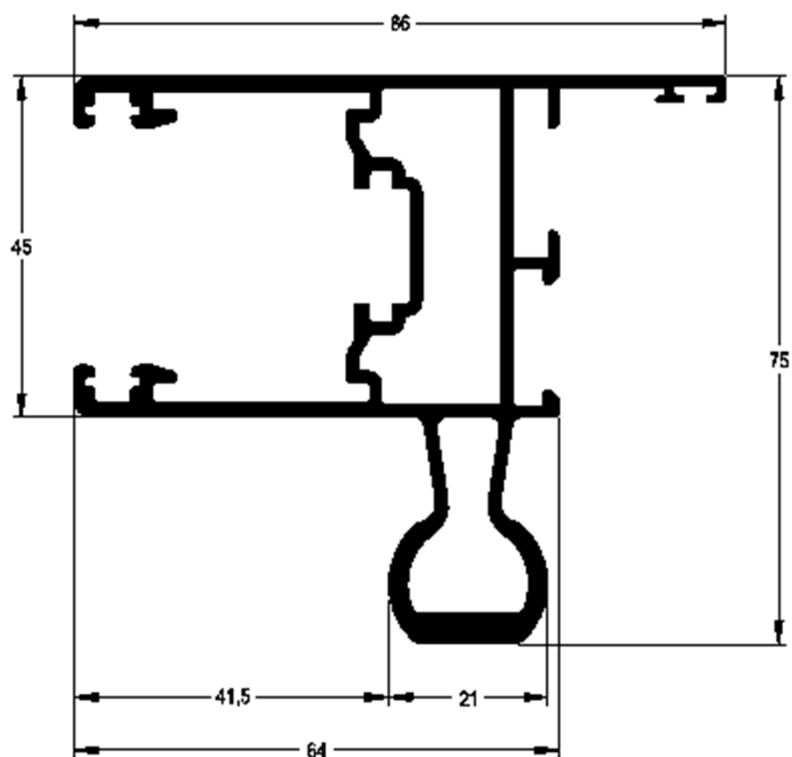
Folha com reforço
1,942 Kg/m

$Jx = 44,580 \text{ cm}^4$

$Wx = 10,369 \text{ cm}^3$

$Jy = 28,002 \text{ cm}^4$

$Wy = 6,354 \text{ cm}^3$

**45EC - 235**

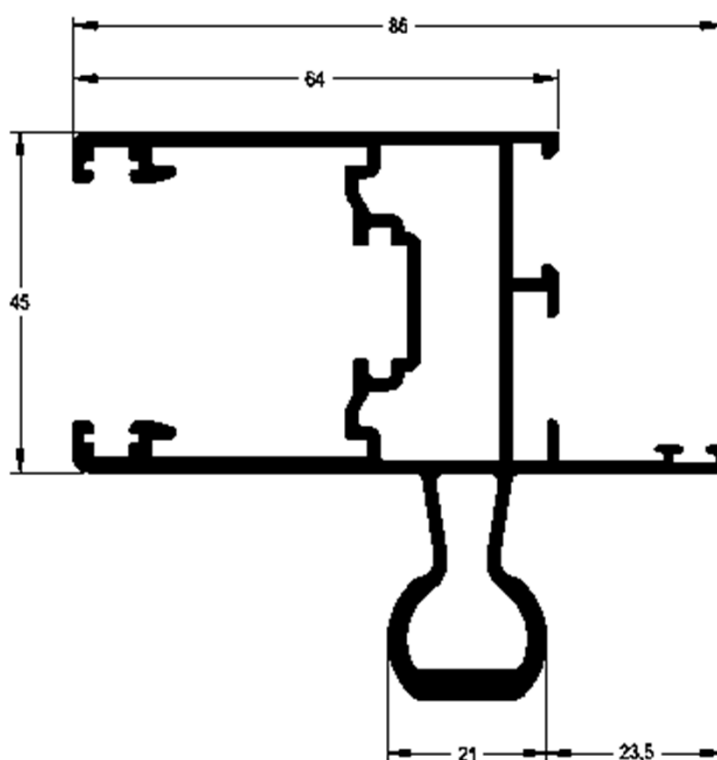
Folha com reforço
1,942 Kg/m

$Jx = 40,823 \text{ cm}^4$

$Wx = 10,089 \text{ cm}^3$

$Jy = 28,022 \text{ cm}^4$

$Wy = 6,354 \text{ cm}^3$



45EC - 251

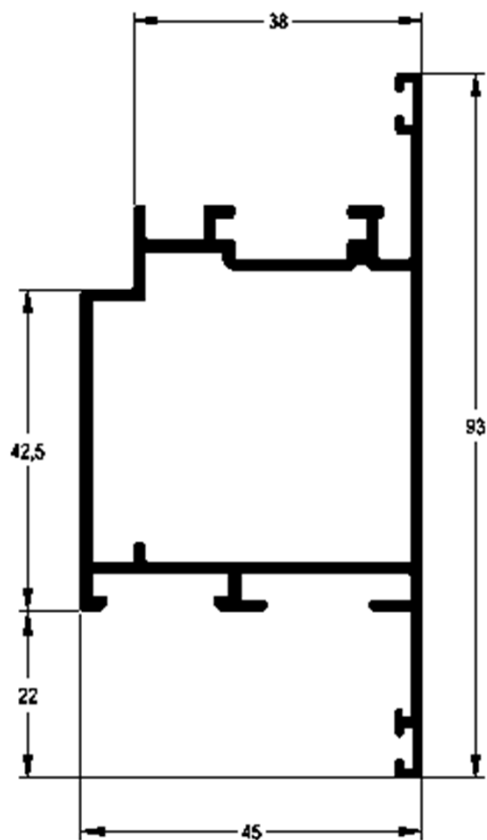
Folha da porta de giro
1,140 Kg/m

$$Jx = 12,424 \text{ cm}^4$$

$$Wx = 4,620 \text{ cm}^3$$

$$Jy = 22,902 \text{ cm}^4$$

$$Wy = 4,802 \text{ cm}^3$$

**45EC - 252**

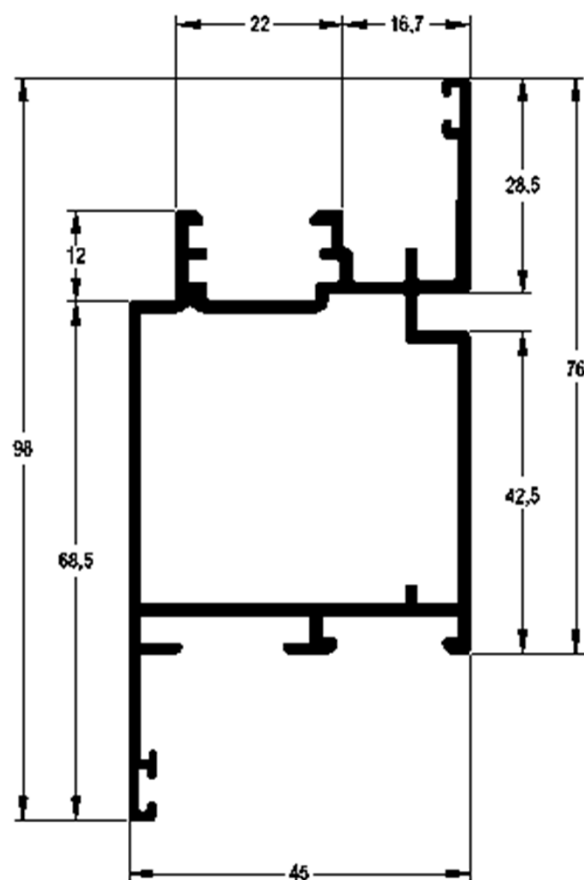
Folha da porta de giro
1,225 Kg/m

$$Jx = 14,181 \text{ cm}^4$$

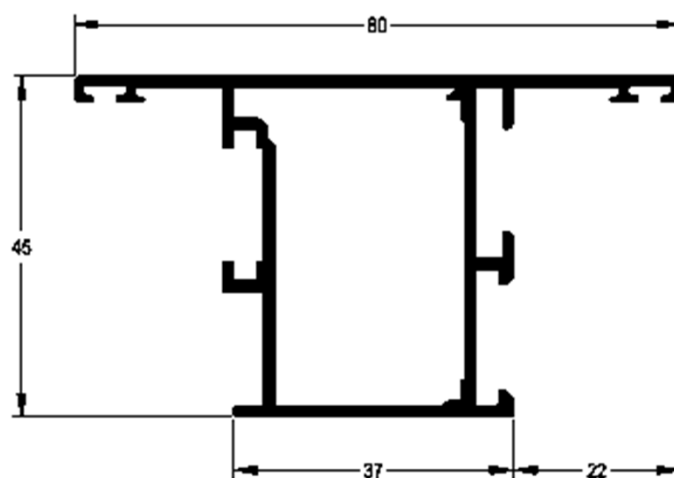
$$Wx = 6,149 \text{ cm}^3$$

$$Jy = 27,386 \text{ cm}^4$$

$$Wy = 5,402 \text{ cm}^3$$

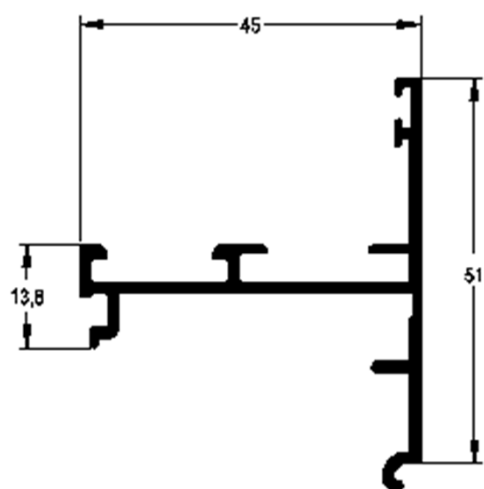
**45EC - 247**

Folha Maxim-ar
1,011 Kg/m

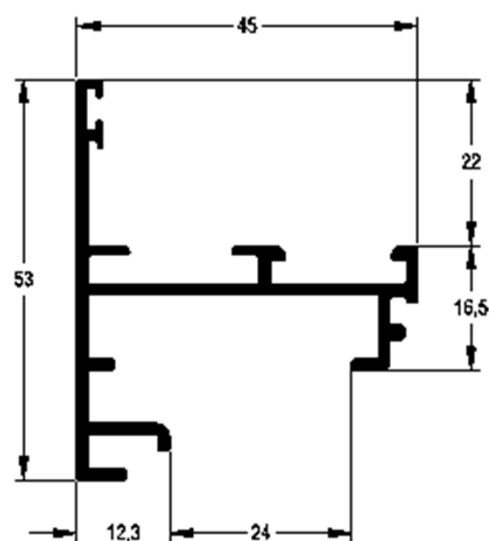


45EC - 258

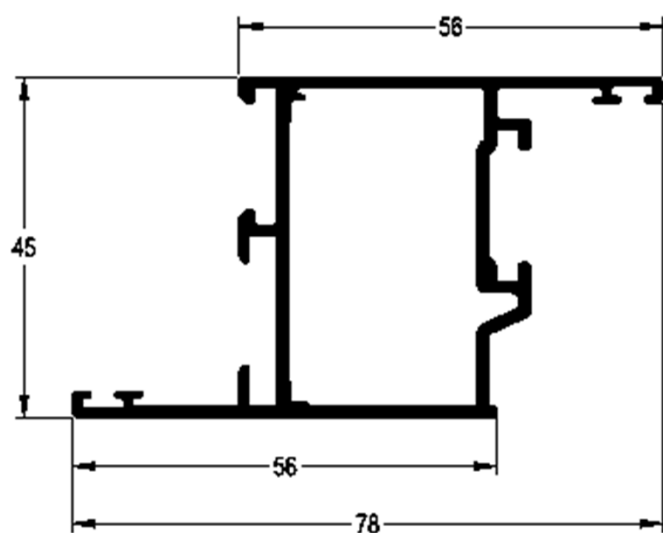
Complemento da folha fixa
0,574 Kg/m

**45EC - 255**

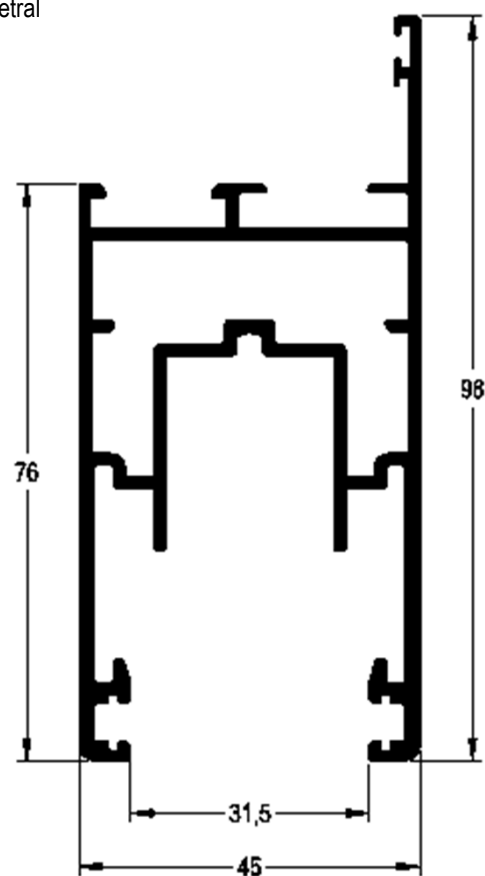
Inversor de Folha
0,657 Kg/m

**45EC - 267**

Folha
1,010 Kg/m

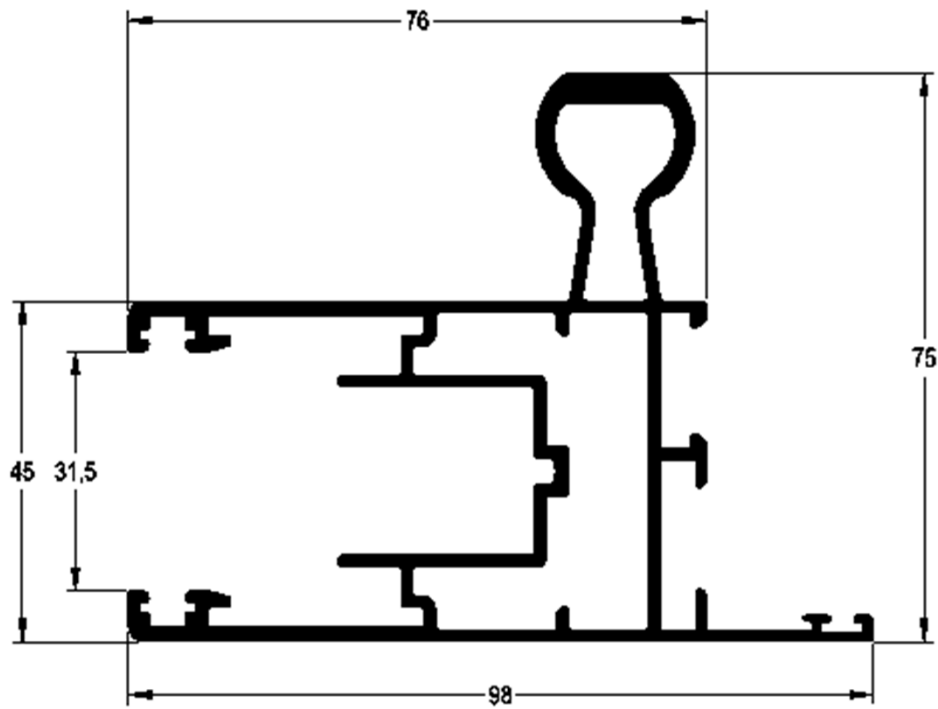
**45EC - 270**

Folha perimetral
1,737 Kg/m

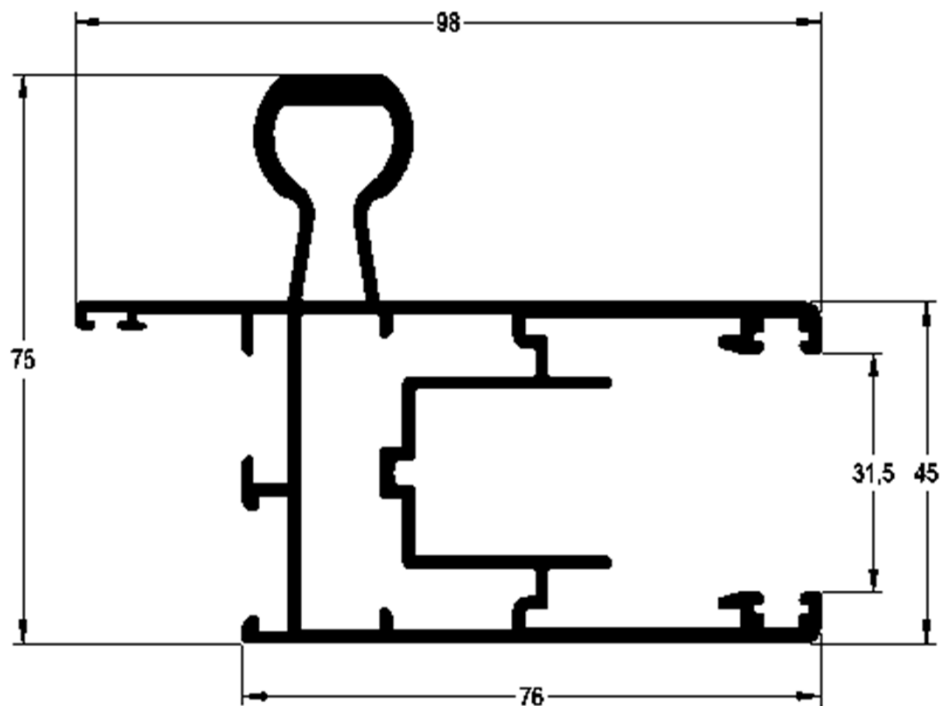


45EC - 271

Folha de correr com reforço
2,235 Kg/m

**45EC - 272**

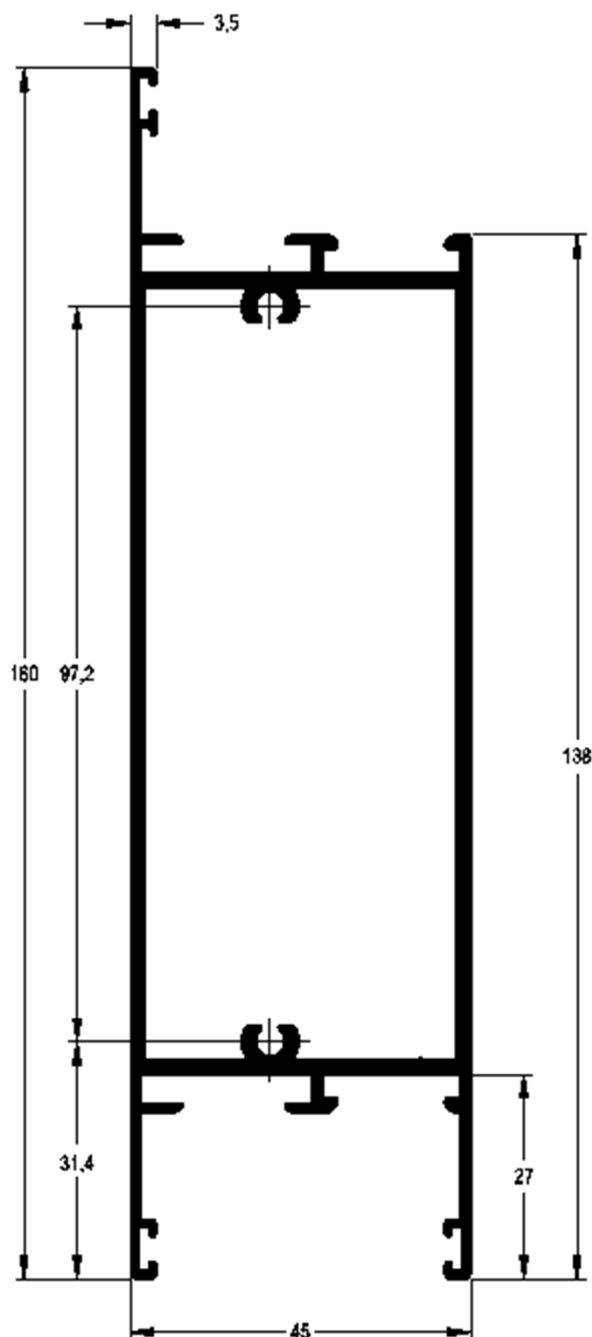
Folha de correr com reforço
2,235 Kg/m



TRAVESSAS

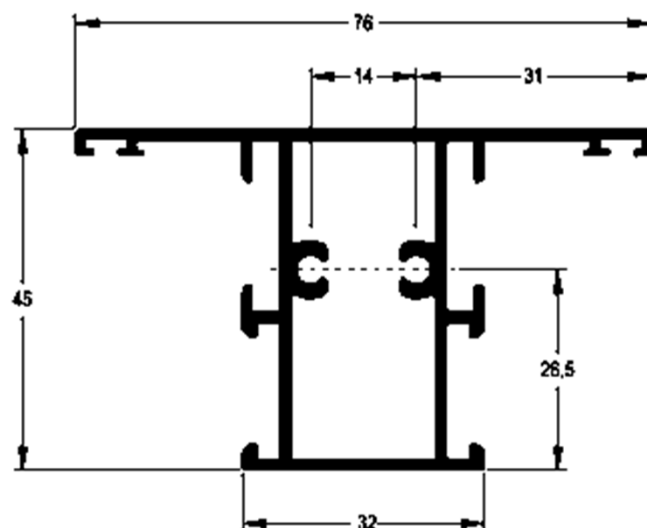
45EC - 253

Travessa da porta de giro
2,247 Kg/m



45EC - 254

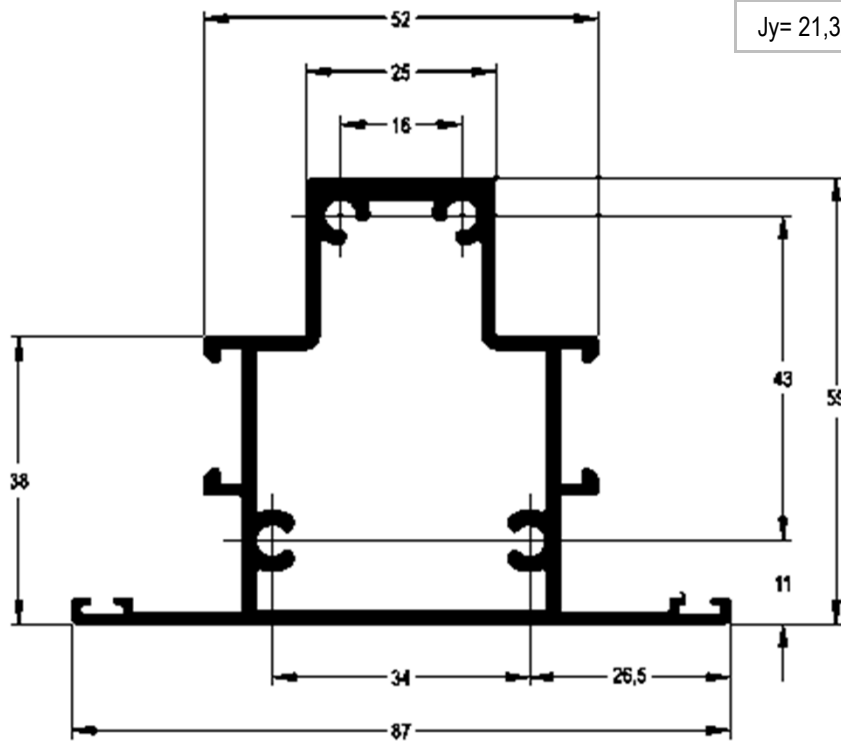
Travessa intermediária
1,076 Kg/m



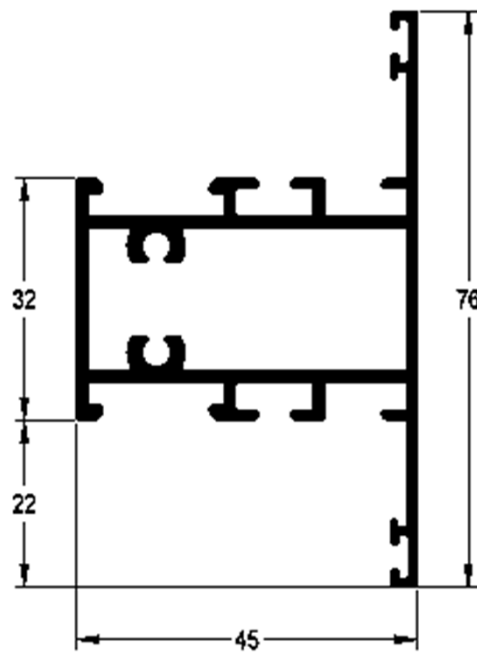
45EC - 250

Coluna
1,545Kg/m

$J_x = 25,912 \text{ cm}^4$	$W_x = 7,695 \text{ cm}^3$
$J_y = 21,324 \text{ cm}^4$	$W_y = 4,902 \text{ cm}^3$

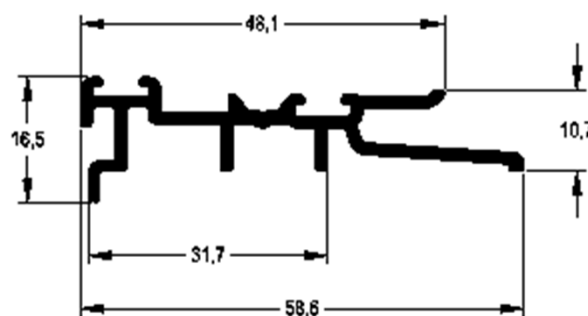
**45EC - 269**

Coluna
1,117 Kg/m

**45EC - 237**

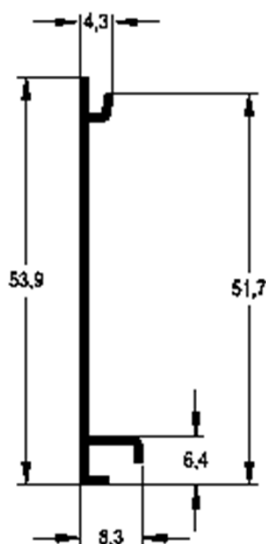
Mão de amigo
0,534 Kg/m

$J_x = 0,218 \text{ cm}^4$	$W_x = 0,221 \text{ cm}^3$
$J_y = 5,461 \text{ cm}^4$	$W_y = 1,640 \text{ cm}^3$



45EC - 238

Engate da folha mão de amigo
0,211 Kg/m



$$J_x = 0,028 \text{ cm}^4$$

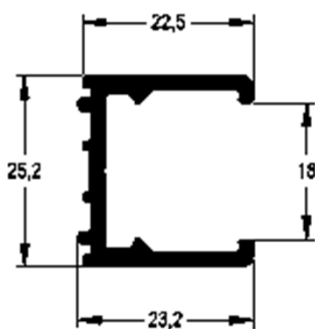
$$W_x = 0,040 \text{ cm}^3$$

$$J_y = 2,335 \text{ cm}^4$$

$$W_y = 0,800 \text{ cm}^3$$

45EC - 228

Engate da folha lateral da porta
0,404 Kg/m



$$J_x = 1,490 \text{ cm}^4$$

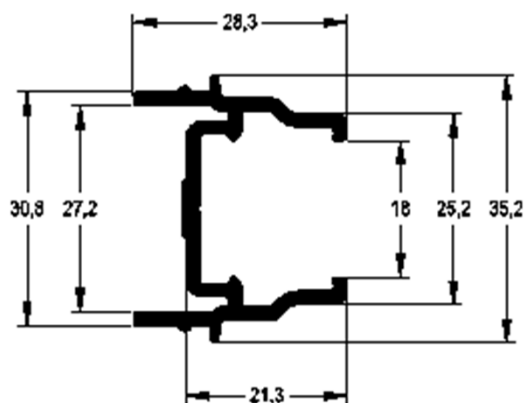
$$W_x = 1\,182 \text{ cm}^3$$

$$J_y = 0,737 \text{ cm}^4$$

$$W_y = 0\,510 \text{ cm}^3$$

45EC - 229

Engate da folha central da porta de correr
0,513 Kg/m



$$J_x = 2,638 \text{ cm}^4$$

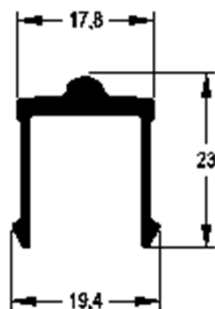
$$W_x = 1,498 \text{ cm}^3$$

$$J_y = 0,955 \text{ cm}^4$$

$$W_y = 0,611 \text{ cm}^3$$

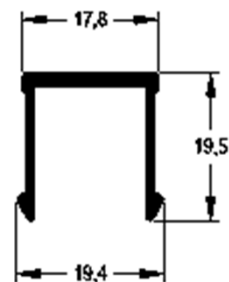
45EC - 226

Trilho inferior do marco
0,281 Kg/m



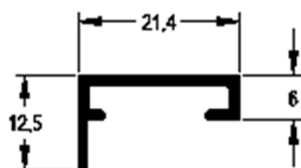
45EC - 225

Guia Horizontal e Vertical do Marco
0,215 Kg/m



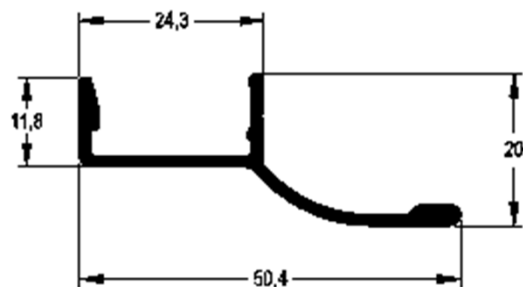
45EC - 203

Complemento largura inferior da porta de giro
0,162 Kg/m



45EC - 209

Pingadeira da porta de correr
0,345 Kg/m



45EC - 239

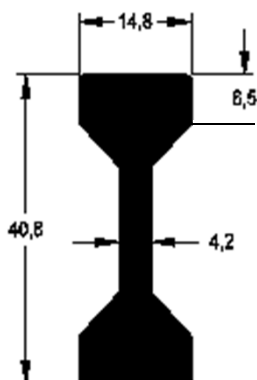
Reforço do montante
1,000 Kg/m

$J_x = 7,341 \text{ cm}^4$

$W_x = 3,598 \text{ cm}^3$

$J_y = 0,465 \text{ cm}^4$

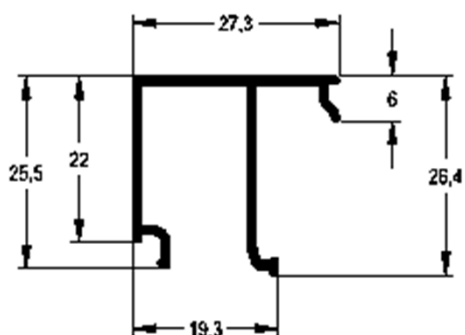
$W_y = 0,628 \text{ cm}^3$



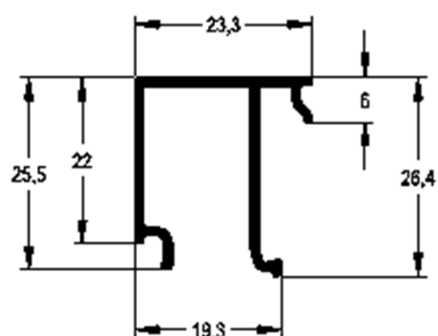
BAGUETES

ECGB - 213

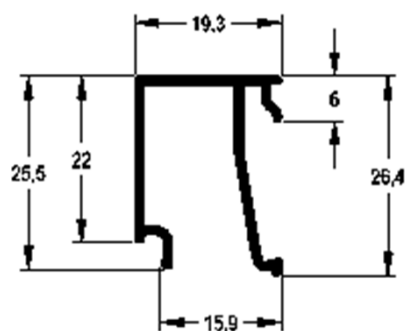
Baguete
0,287 Kg/m

**ECGB - 214**

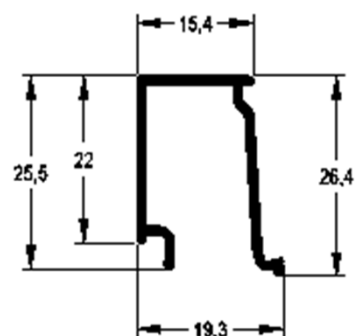
Baguete
0,274 Kg/m

**ECGB - 215**

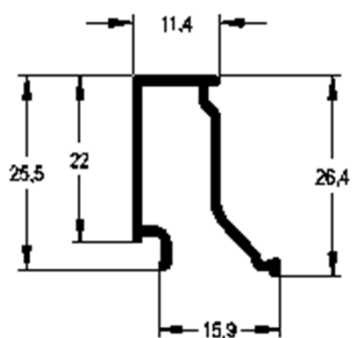
Baguete
0,261 Kg/m

**45EC - 216**

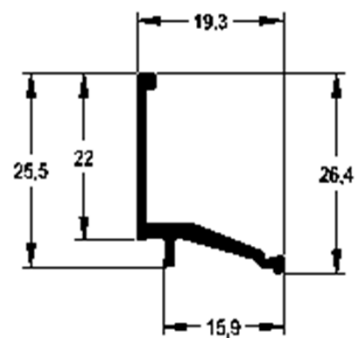
Baguete
0,234 Kg/m

**ECGB - 217**

Baguete
0,227 Kg/m

**ECGB - 218**

Baguete
0,185 Kg/m

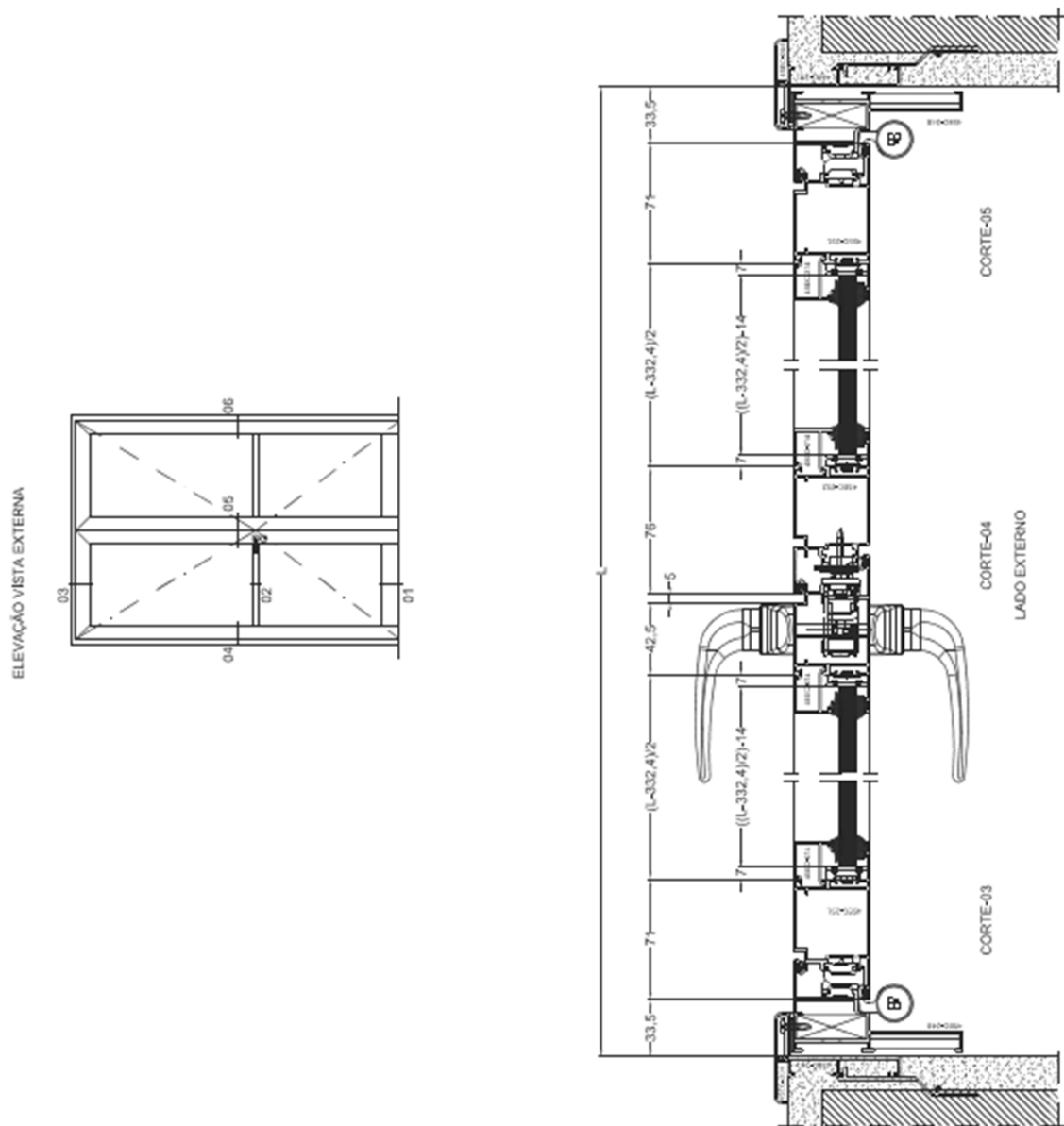
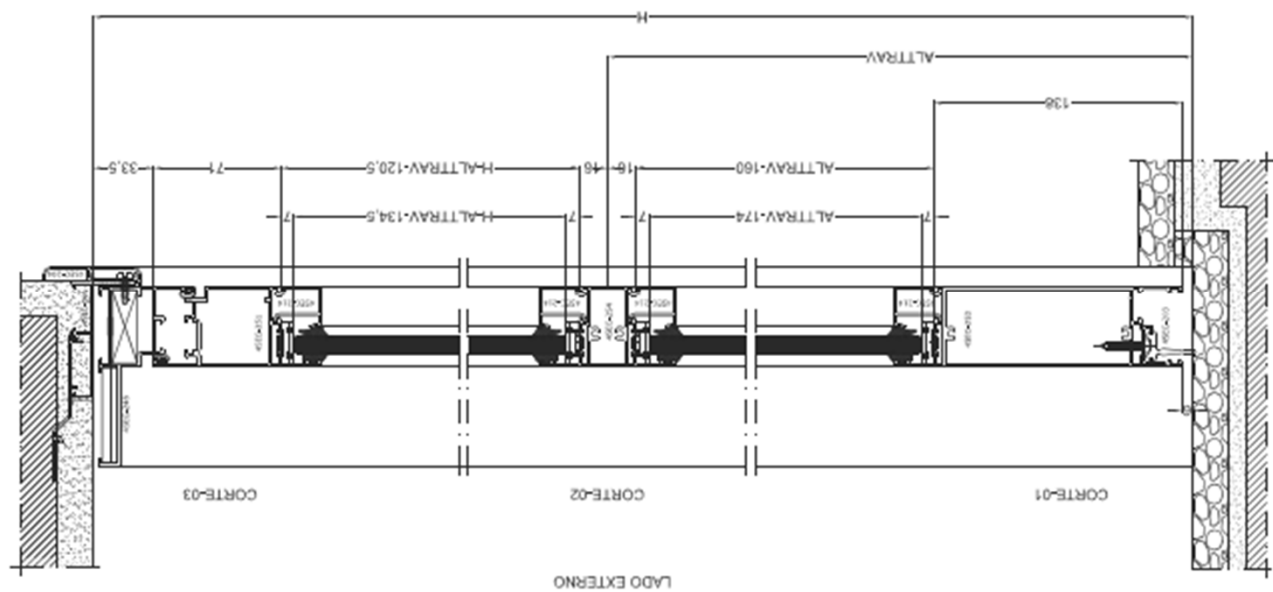


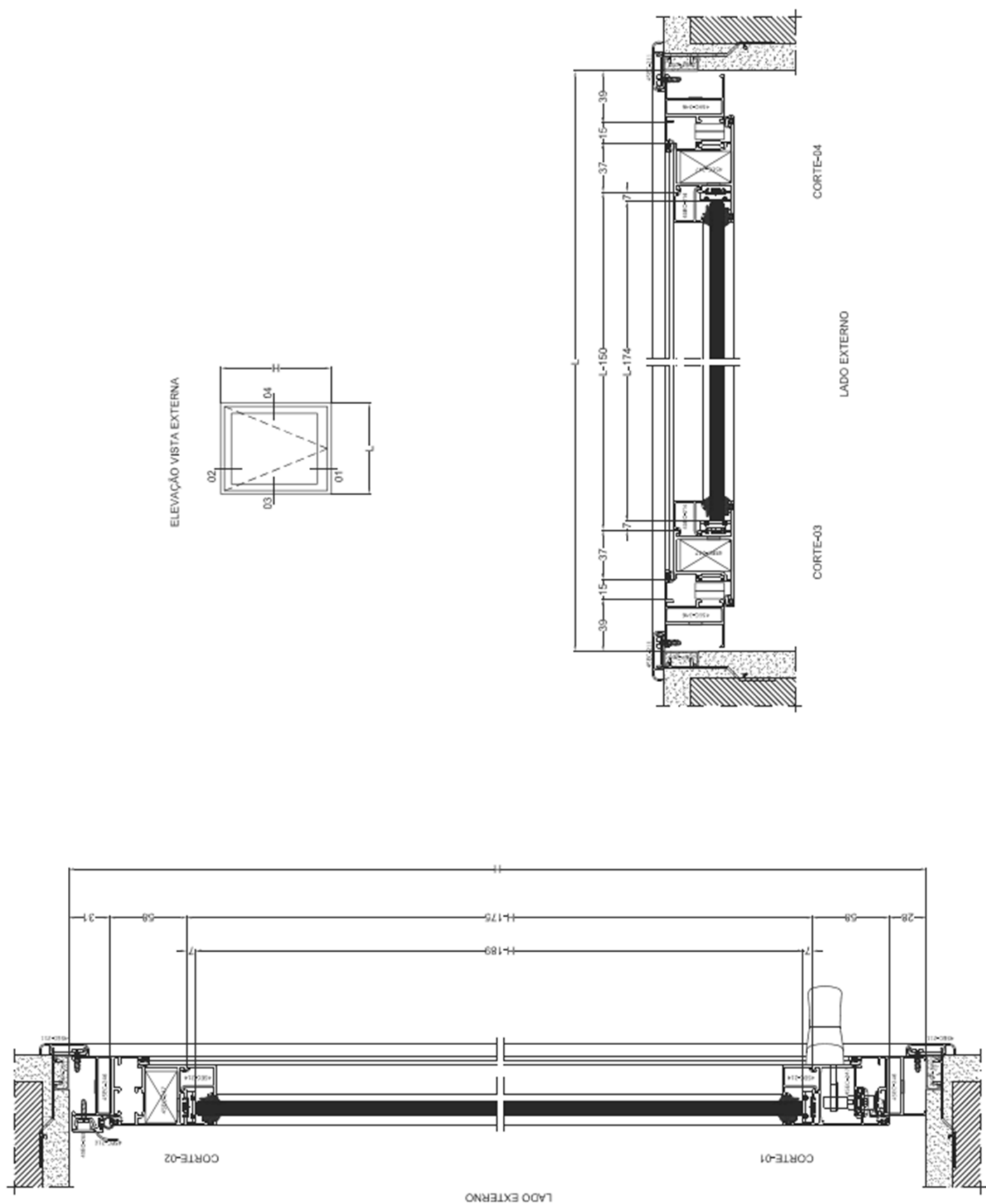
CÓDIGO	CÓDIGO UNIVERSAL	DESCRIÇÃO
COS-03524	0352590N	Vareta de Poliamida
COS-02979	BATD10013	Batedeira para Cremona
COS-08194	BRAC10013INX	Braço GS HD - 24
COS-08197	BRAC10014INX	Braço GS HD – 16
COS-08193	BRAC10021INX	Braço GS HD – 20
COS-08195	BRAC10023INX	Braço GS HD – 12
COS-08196	BRAC10024INX	Braço GS HD – 14
COS-08198	BRAC10026INX	Braço GS HD - 18
COS-01971	CALC10004PTO	Calço para Braço
COS-07681	CILD10006NAT	Cilindro
COS-04640	CONF10002NAT	Contra Fecho
COS-02990/1	CONX10010NAT	Conexão Direita
COS-02990/2	CONX10011NAT	Conexão Esquerda
COS-00340	CONX10012NAT	Conexão Kamel
COS-00348	CONX10013NAT	Conexão Folha
COS-00349	CONX10014NAT	Conexão Kamel
COS-00350	CONX10015NAT	Conexão de Canto para a Folha
COS-02921	CONX10016NAT	Conexão de Alinhamento
COS-00357	CONX10038NAT	Conexão Kamel
COS-02215	CONX1003NAT	Complemento do Fecho

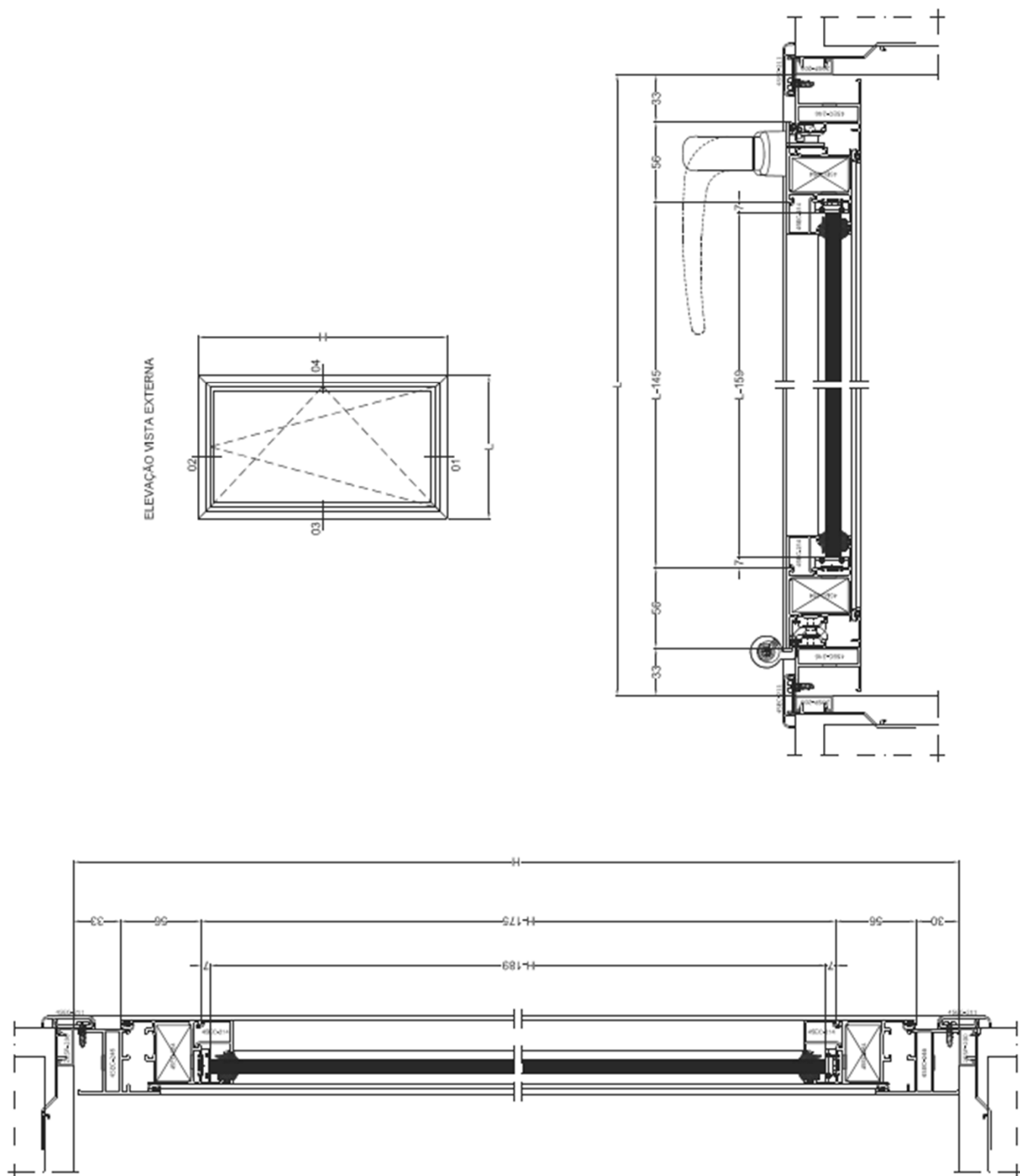
COMPONENTES

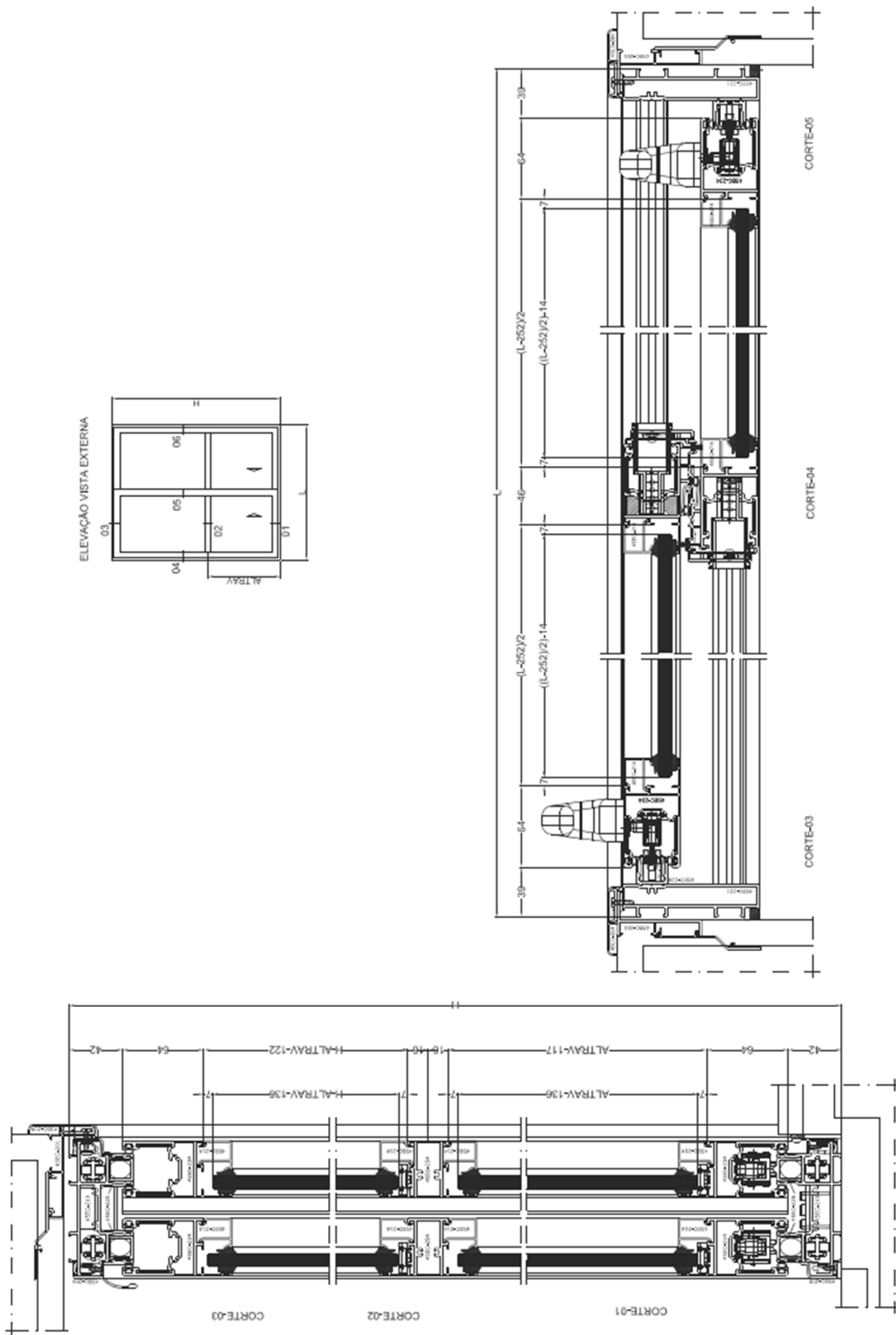
CÓDIGO	CÓDIGO UNIVERSAL	DESCRIÇÃO
COS-0535N	DOBR10006PTO	Dobradiça Flash
COS-02938	DREN10000PTO	Par de Tampas para Pingadeira
COS-07058N	ESPL10001	Roseta
COS-04627	FDRA10011NAT	Fechadura
COS-01057R	FECH01078BCO	Cremona Euro Rapid.
COS-01058R	FECH01089BCO	Cremona Prima Rapid.
COS-02191N	FECH01090NAT	Fecho unha 2° Folha
COS-01164	FECH01098BCO	Cremona Única
COS-01165	FECH01105 BCO/PTO	Cremona Única Mono-direcional
GUA-410	GUAR00410	Guarnição Folha e Marco
GUA-412	GUAR00412	Guarnição Vidro
GUA-413	GUAR00413	Guarnição Vidro
COS-02970	GUAR10035PTO	Gaxeta
COS-06933	GUAR10036PTO	Gaxeta em Pino
COS-02933	KTAD10000PTO	Kit de Adaptadores para Batedeira
COS-02929	KTFC10000NAT	Kit para Fechamento GOS-S
ROL-02913	KTRD10000NAT	Kit Roldana de 90 a 200 Kg
ROL-02916	KTRD10001NAT	Kit Roldana até 90 Kg
COS-04017	KTRV1000NAT	Reenvio de Ângulo
COS-02936	KTTP10000NAT	Kit de Adaptadores GOS-S T-REX

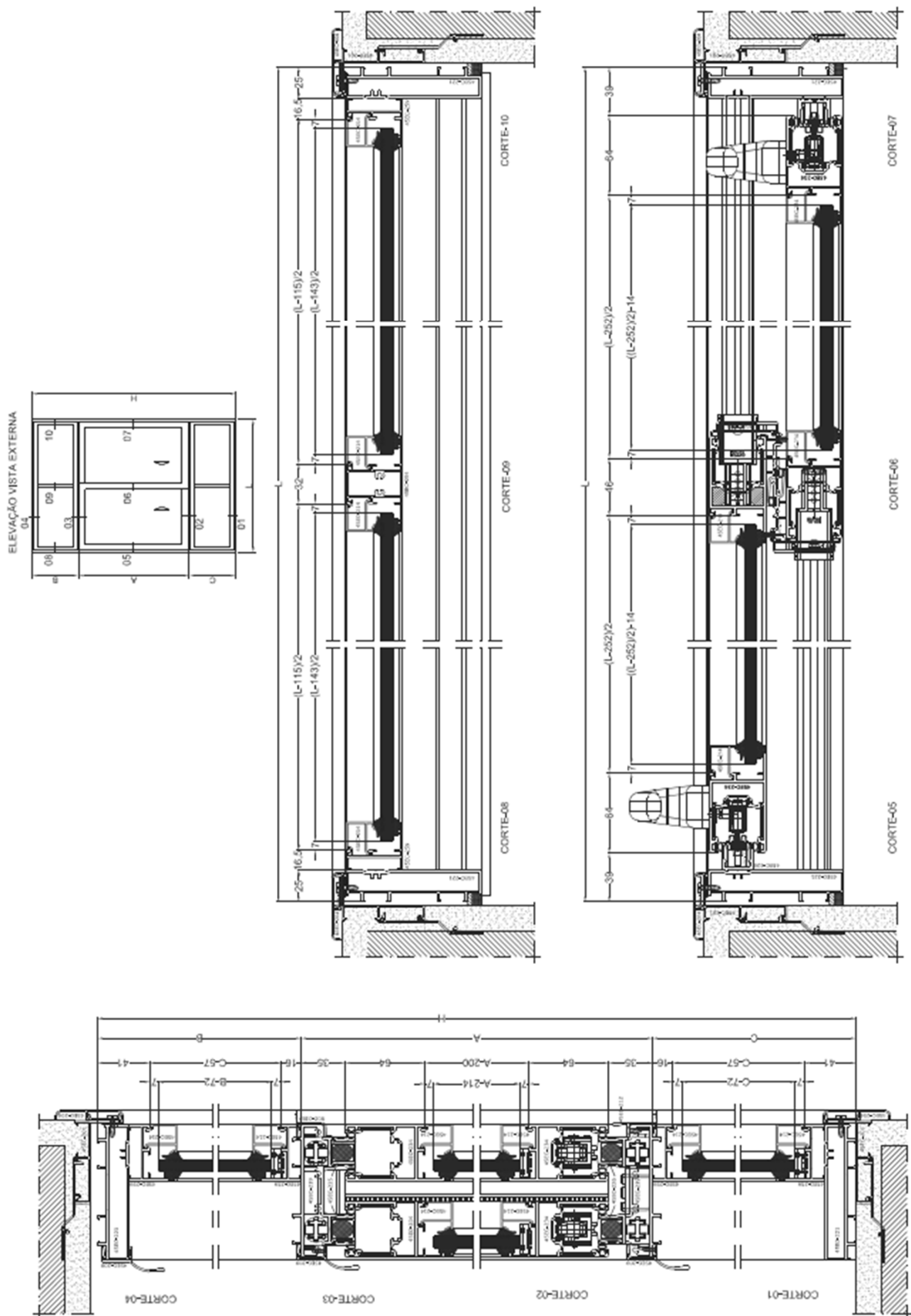
CÓDIGO	CÓDIGO UNIVERSAL	DESCRIÇÃO
COS-02939	KTTP10001NAT	Kit de Adaptadores para Batedeira
COS-02959	KTTP10002NAT	Kit de Adaptadores GOS-S T-REX 3 Planos
COS-04099	KTTR00625NAT	Dispositivo de Ligação Vareta-Cremona
COS-07050V	MACN10000	Maçaneta Flora
COS-02908	MACN10010	Cremona Prima
COS-02942	MACN10011	Fecho de Embutir para Janelas
COS-02948	MACN10012	Cremona Prima
COS-06600	NYLO00482PTO	Conexão de Alinhamento
COS-06745	NYLO00485PTO	Calço para Vidro de 5 mm
COS-06746	NYLO00486PTO	Calço para Vidro de 2 mm
COS-00645	SUPT1009NAT	Placa para perfil inversor
COS-02947	TAMP10033PTO	Adaptadores para duas folhas
COS-04030	TRAV00018FCO	Botão para pontos de fechamento
COS-02940	TRAV10009NAT	Mecanismo de Transmissão para cremona
COS-02954	TRAV10010NAT	GOS-S Kit para folha fixa
COS-04680	TRAV10011NAT	Complemento do fecho
COS-02951	TRAV10016NAT	Mecanismo de Transmissão para a cremona
COS-04020	TRAV10017NAT	Reenvio de ângulo
COS-02974	VEDA10017NAT	Espuma selante para trilhos planos
COS-02975	VEDA10018NAT	Espuma selante para trilhos planos









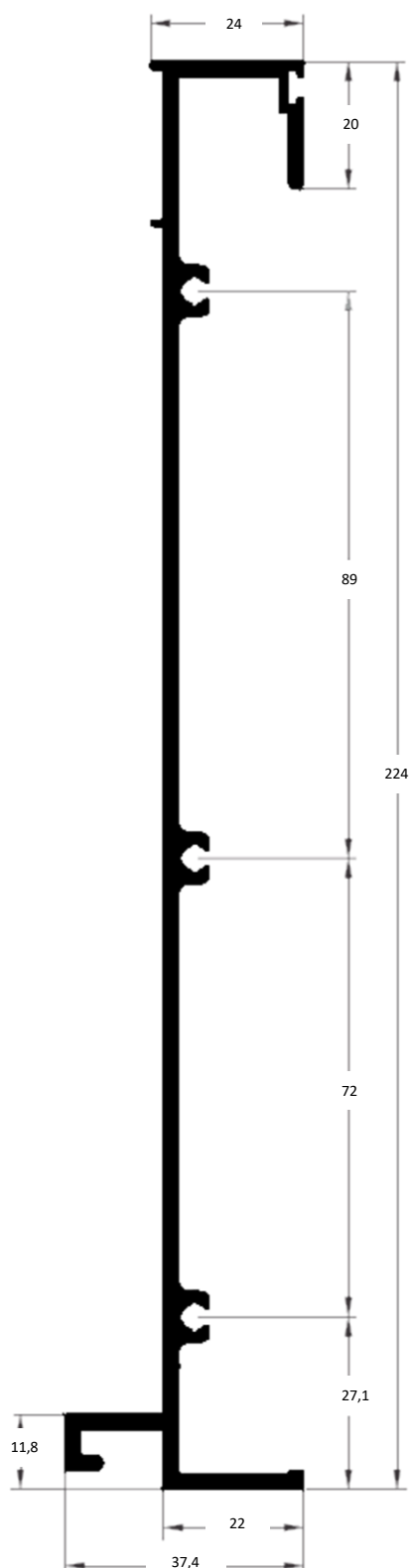




euro
CONCEPT
CI

ECI-402

Marco Superior
2,180 Kg/m

**ECI-403**

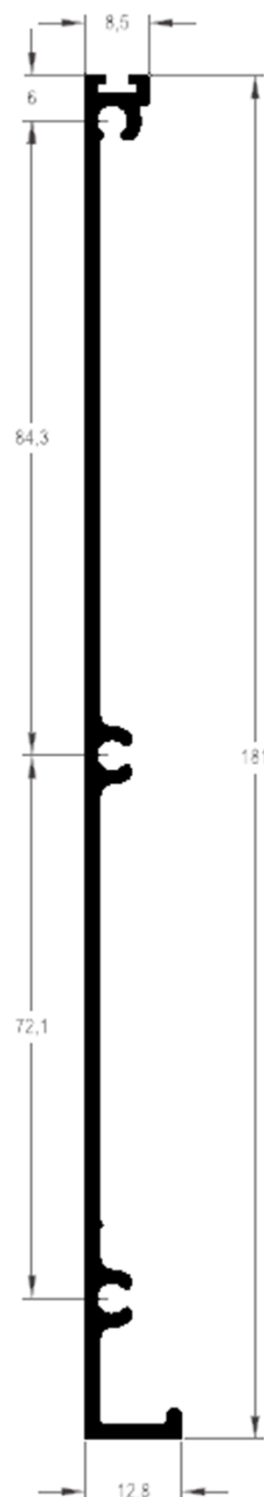
Tampa externa da caixa inferior
1,497 Kg/m

**ECI-404**

Tampa interna da Caixa
1,665 Kg/m

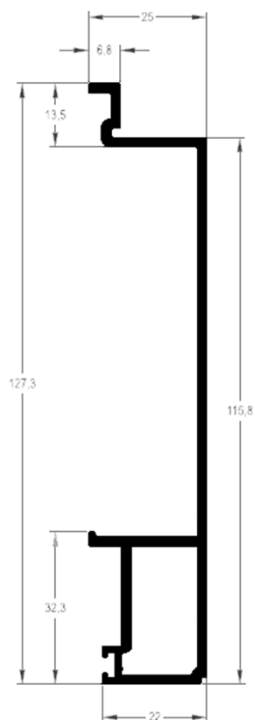
**ECI-405**

Marco intermediário
1,190 Kg/m



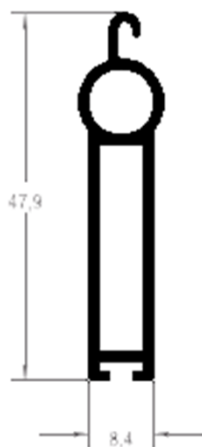
ECI-401

Complemento marco
integrada
1,220 Kg/m



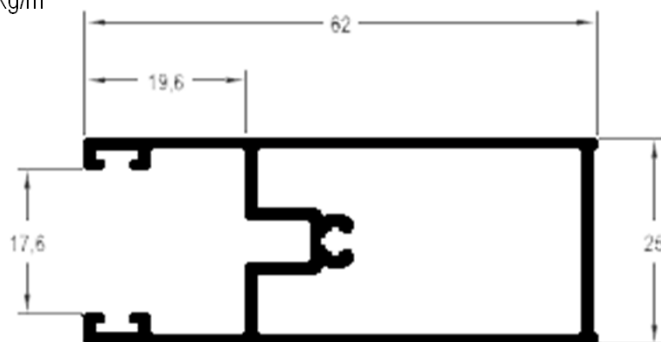
SN-055

Terminal da persiana
0,371 Kg/m



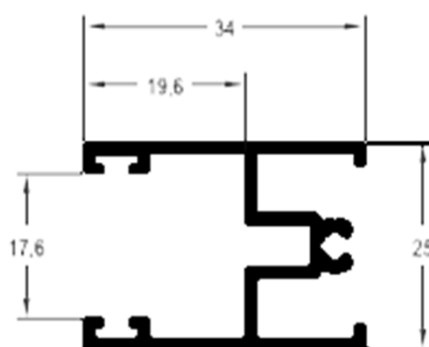
SPI-I04

Guia lateral
0,687 Kg/m



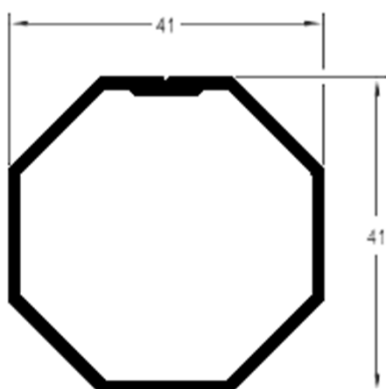
SPI-I05

Guia lateral
0,442 Kg/m



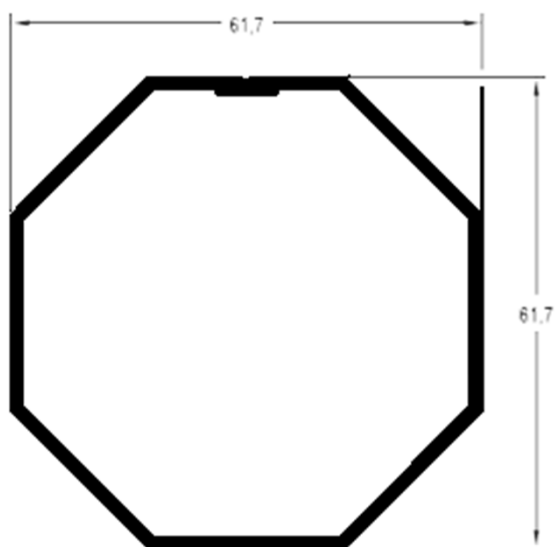
DS-238

Tubo recolhedor
0,521 Kg/m

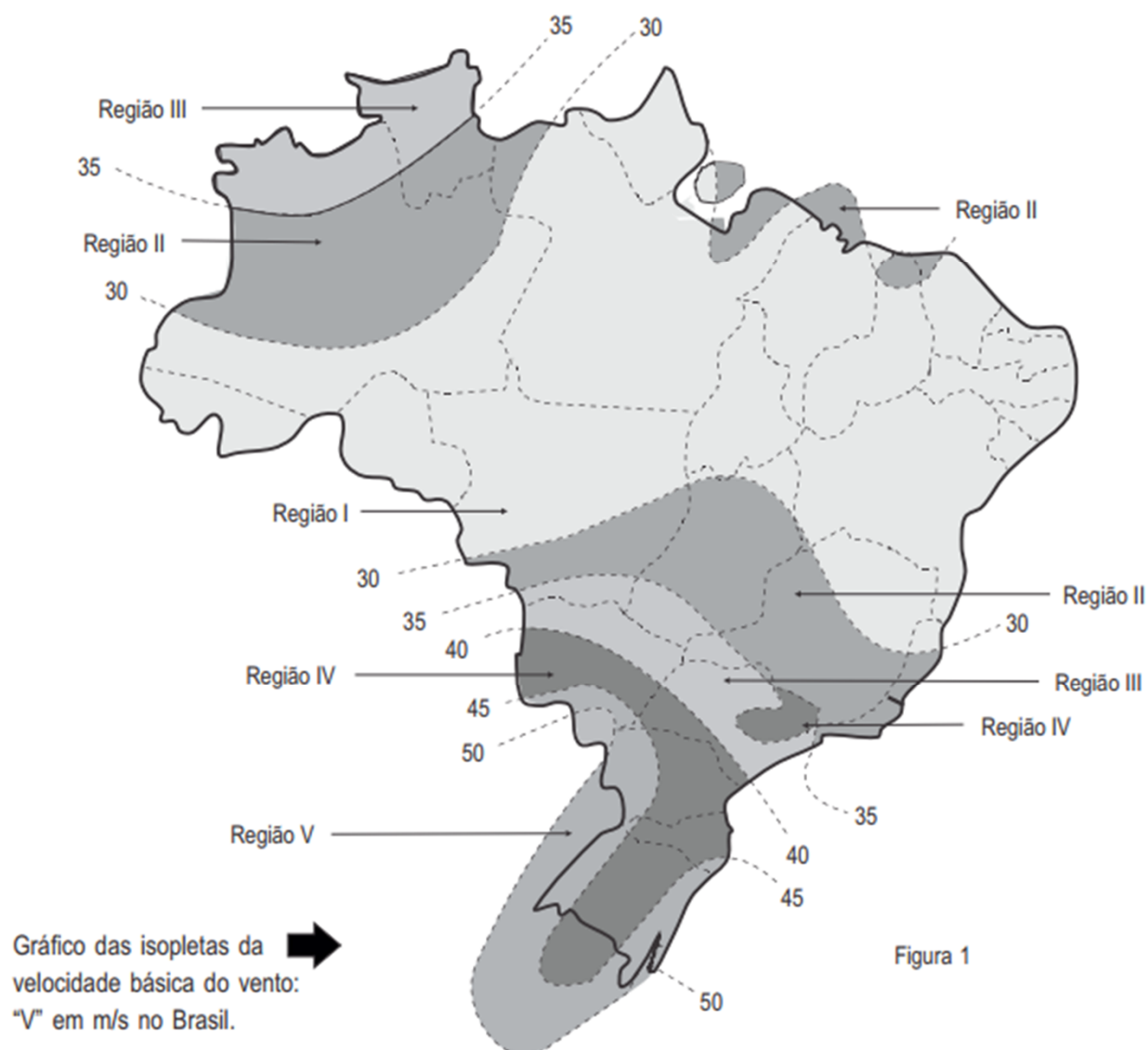


MN-015

Tubo recolhedor
0,881 Kg/m



Isopletas dos ventos (em metros por segundo)



No Brasil, o comportamento de uma esquadria está regulamentada pela Norma NBR 10821.

Esta norma fixa as condições de desempenho de caixilhos em edificações residenciais e comerciais e visa assegurar ao consumidor, o recebimento de produtos com condições mínimas exigíveis de desempenho, especialmente quanto à resistência a cargas uniformemente distribuídas e que apresenta um roteiro de cálculo da pressão de ensaio (vento e vedação).

TABELA 1: Pressão de ensaio de cargas uniformemente distribuídas.

	Classe de utilização	Região do País	Pressão de projeto Pp em Pa	Pressão de sucção, Em Pa, P. x 0,8	Pressão de ensaio p=Pp x 1,5 em Pa
NORMAL	Residencial Unifamiliar ou Comercial simples até 2 pavimentos	I II III IV V	300 400 550 650 850	350 500 650 800 1000	450 600 800 950 1250
MELHORADA	Residencial ou Comercial até 4 pavimentos ou 12 metros	I II III IV V	450 600 800 1000 1200	550 700 950 1200 1450	650 900 1200 1500 1800
REFORÇADA	Comercial pesada ou edifícios residenciais com mais de 5 pavimentos	Todas as regiões	Calcular conforme NBR 6123	Calcular conforme NBR 6123	Calcular conforme NBR 6123
EXCEPCIONAL	Arquiteturas especiais (shopping, industriais, hospitais, etc...)	Todas as regiões	Calcular conforme NBR 6123	Calcular conforme NBR 6123	Calcular conforme NBR 6123

Notas:

- 1) Na classe reforçada, os valores de pressão, calculados conforme a NBR-6123, deverão ser, pelo menos, iguais aos valores das pressões de ensaio da classe Melhorada.
- 2) Nos casos de arquiteturas especiais de classe Excepcionais valores de pressão de ensaio, calculados conforme a NBR-6123, quando inferiores aos valores da classe Melhorada, deverão ser justificados através de ensaios em túneis de vento ou planilhas de cálculo e assinadas por um responsável técnico.

TABELA 2: Pressão de ensaio de estanqueidade à água

	Classe de utilização	Região do País	Pressão de estanqueidade à água – Pressão de projeto de vento – Pp x 0,15, em Pa
NORMAL	Residencial Unifamiliar ou Comercial simples até 2 pavimentos	I II III IV V	300 400 550 650 850
MELHORADA	Residencial ou Comercial até 4 pavimentos ou 12 metros	I II III IV V	450 600 800 1000 1200
REFORÇADA	Comercial pesada ou edifícios residenciais com mais de 5 pavimentos	Todas as regiões	Pressões de ensaio = o maior dos dois valores. 0,15 x Pp (pressão de projeto das cargas de vento) e os valores das pressões da classe Melhorada
EXCEPCIONAL	Arquiteturas especiais (shopping, industriais, hospitais, etc...)	Todas as regiões	Pressões de ensaio = o maior dos dois valores. 0,15 x Pp (pressão de projeto das cargas de vento) e os valores das pressões da classe Melhorada



