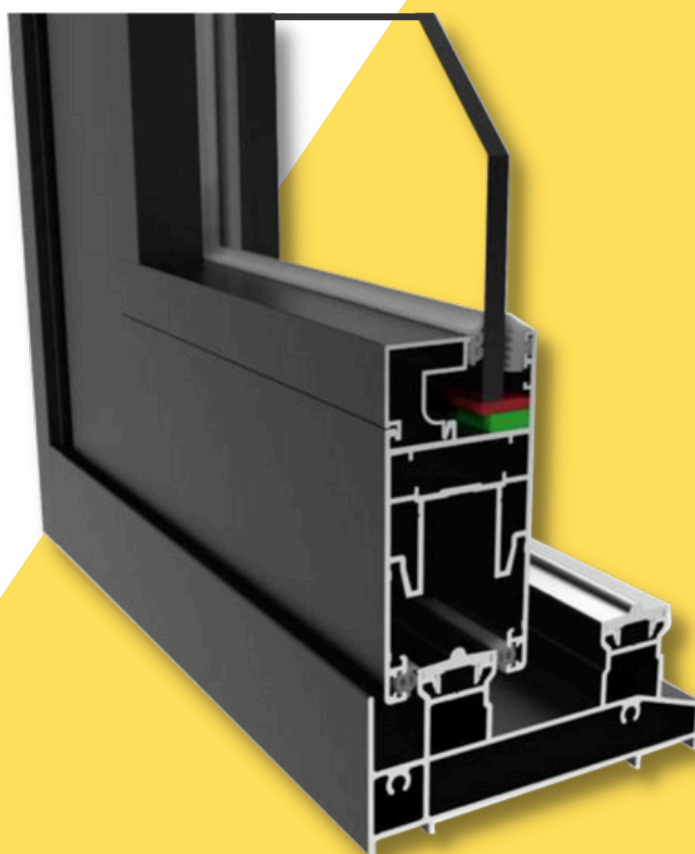




LINHA AUTEM

Uma linha Europeia para obras de alto padrão



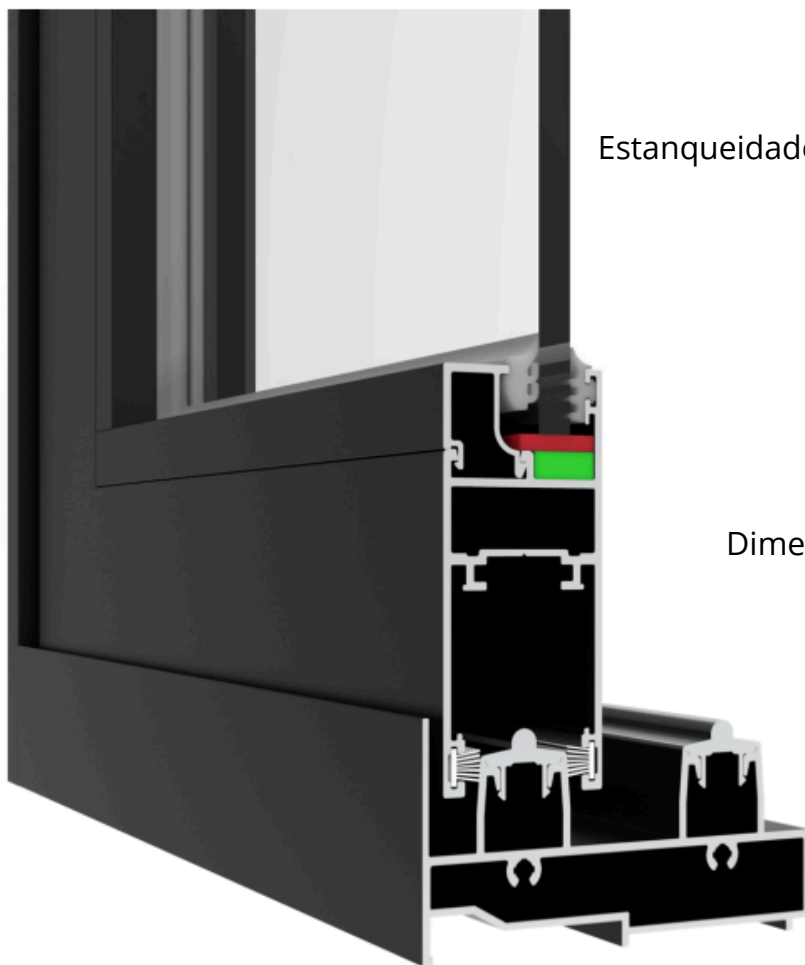
- BRISE
- EURO 32
- EURO 45
- OSCIOBATENTE
- PIVOTANTE
- INTEGRADA

DIFERENCIAIS

- **POUCOS PERFIS E INÚMERAS OPÇÕES DE TIPOLOGIAS** – a Autem foi desenvolvida com um numero reduzido de perfis, facilitando no dia-a-dia do serralheiro, como a identificação de perfis e a montagem.
- **REDUÇÃO EM INVESTIMENTO DE ESTOQUE** - Com um único perfil é possível fabricar as folhas, pois o mesmo perfil é usado nas larguras e alturas.
- **BAIXO INVESTIMENTO EM MAQUINAS** – para produzir a linha Autem é preciso uma serra 400mm e um pantógrafo.
- **LINHA DESENVOLVIDA NO SISTEMA CÂMARA EUROPEIA** – sistema comum na Europa, onde facilita a fabricação da esquadria e garantindo a segurança e vedação superior na acústica.
- **FOLHAS EM 45°** - facilidade na montagem e maior estabilidade aos quadros das folhas moveis.
- **VÁLVULAS DE RETENÇÃO** – válvula de drenagem impedindo que agua retorne para a parte superior do trilho.
- **CONFORTO ACÚSTICO** - Os perfis em conjunto com acessórios apropriados, produzem uma atenuação acústica acima da exigida pela norma técnica.
- **RESISTÊNCIA** - Devido a sua robustez garante a sua resistência e a indicação de instalação em até 30 pavimentos na Região V.
- **VIDROS ESPECIAIS** - A capacidade de envidraçamento da Linha AUTEM, permite utilização vidros de 4 à 32 mm de espessura, permitindo a utilização de vidros insulados.
- **COMPONENTES DE ALTO PADRÃO** - A Linha conta com componentes produzidos para garantir uma excelente vedação, acabamento de sofisticado, drenagem eficiente, leveza e resistência.
- **GRANDES VÃOS** - Através de perfis tubulares de reforço que são acoplados na mão amiga, é possível realizar fechamentos de vãos que possuam pé direito com dimensões cada vez maiores.

Serie Clássica

EURO 32



Cargas distribuídas 1820 Pa
Estanqueidade à água Desempenho 300 PA

Região 5

Desempenho acústico

Classe I _ Nível Mínimo

Classe II _ Nível Intermediário

Classe III _ Nível Superior

Nível de desempenho

Região 5 até 30 pavimentos

Bitola linha 32 mm

Dimensões folha mínima/ máxima:

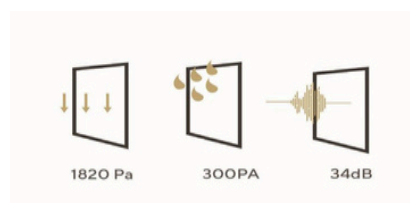
altura _ 800mm/ 3000mm

largura _ 600mm/ 1600mm

Peso folha deslizante: 200kgs

Dimensões marco: 82mm

Vidros de 6mm à 22mm



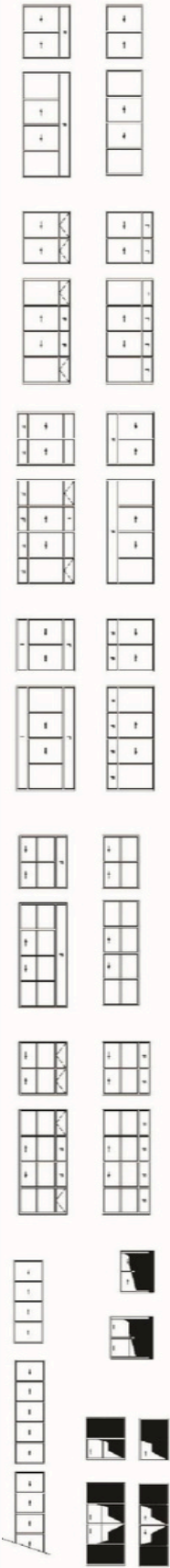
- Desenvolvida com o conceito europeu (canal europeu)
- Cremona multiponto
- Aplicação de baguete para a instalação dos vidros
- Vidros simples ou duplos (câmara de ar)
- Sistemas deslizantes e eleváveis
- Caixilhos / folhas com fechamento à 45°
- Marcos para duas e três vias
- Trilho inferior com capa individual anodizada A23
- Tipologias maximar / oscilo-batente / giro / fixo

TIPOLOGIAS

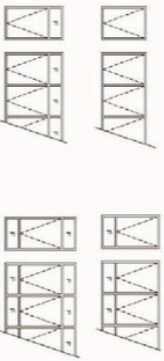
ALÇAR



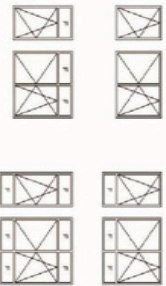
CORRER



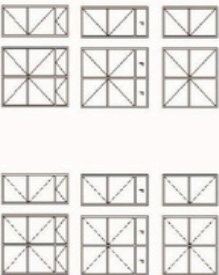
MAXIMAF



OSCILO
BATENTE



GIRO



CARACTERÍSTICAS

- Bitola: 32mm;
- Largura de Folha: 610 mm / 1600 mm;
- Altura de folha: 1000 mm / 2600 mm;
- Sistema Correr : Capacidade 120 kg por folha;
- Sistema Alçante : Capacidade 50,120;
- Bitola de vidro: 4 mm à 22mm;
- Largura marco 2FL: 82mm.

Serie Clássica

EURO 45

Cargas distribuídas 1820 Pa

Estanqueidade à água Desempenho 300 PA, Região 5

Desempenho acústico

Classe I _ Nível Mínimo

Classe II _ Nível Intermediário

Classe III _ Nível Superior

Nível de desempenho Região 5 até 30 pavimentos

Bitola linha 45 mm

Dimensões folha mínima/ máxima:

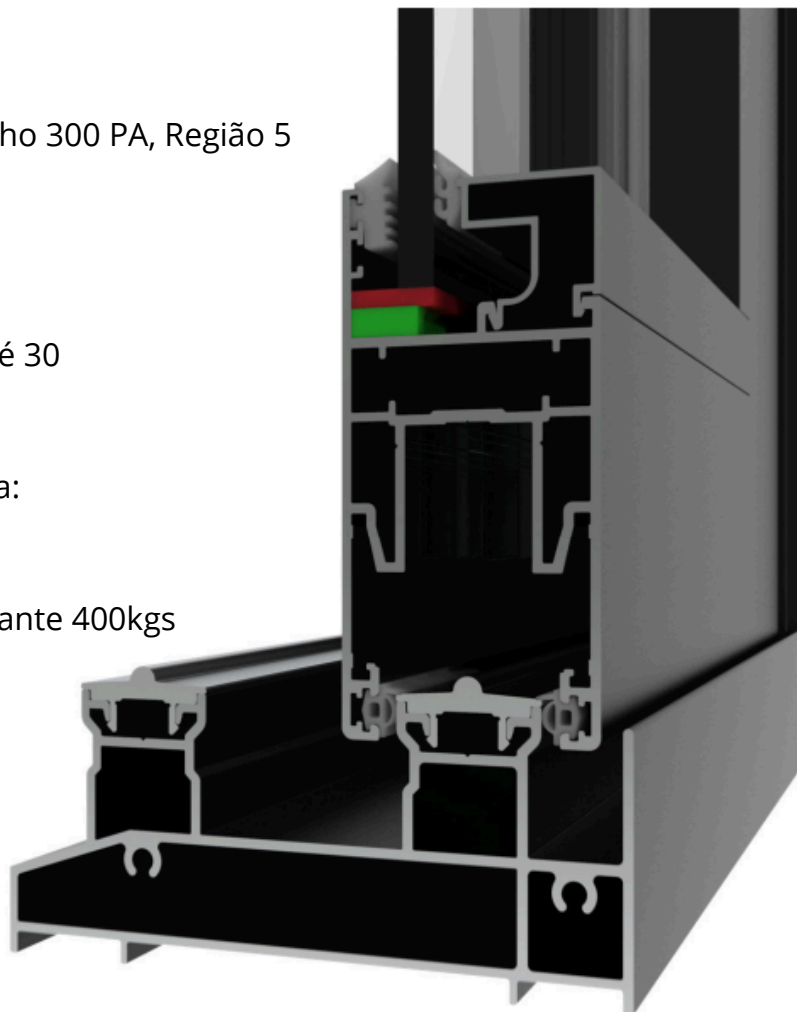
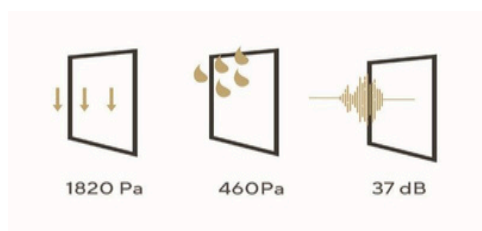
altura _ 800mm/ 3200mm

largura _ 600mm/ 1600mm

Peso folha: deslizante 200kgs/ alçante 400kgs

Dimensões marco: 117mm

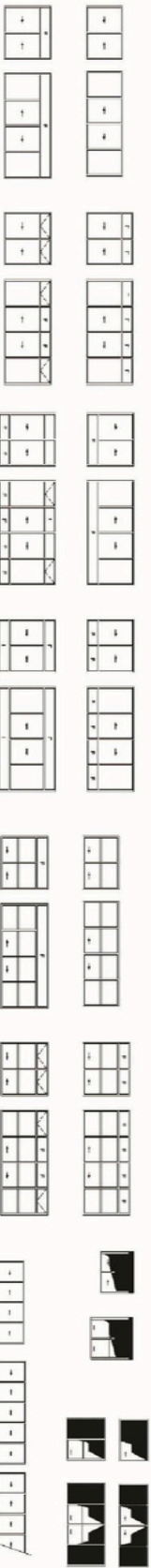
Vidros de 6mm à 32mm



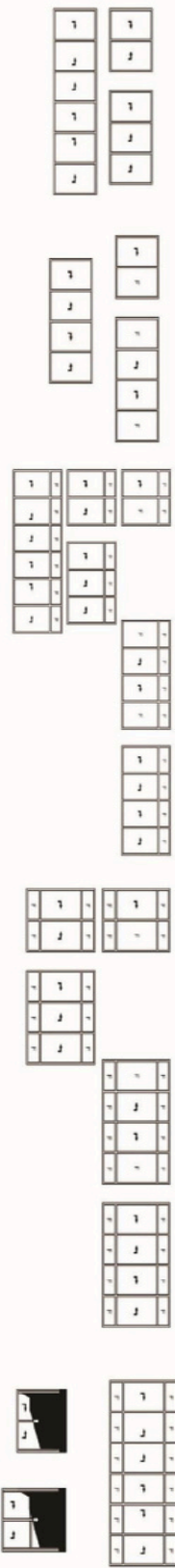
- Desenvolvida com o conceito europeu (canal europeu)
- Cremona multiponto
- Aplicação de baguete para a instalação dos vidros
- Vidros simples ou duplos (câmara de ar)
- Sistemas deslizantes e eleváveis
- Caixilhos / folhas com fechamento à 45°
- Marcos para duas e três vias
- Trilho inferior com capa individual anodizada A23
- Tipologias maximar / oscilo-batente / giro / fixo

TIPOLOGIAS

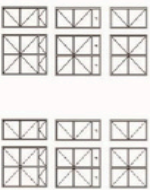
CORRER



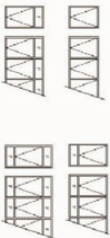
ALÇAR



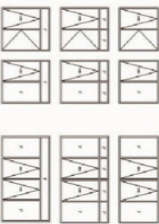
GIRO



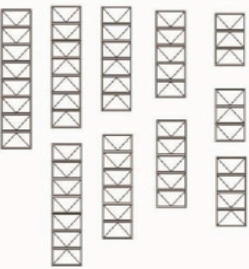
MAXIMAR



OSCILO
PARALELA



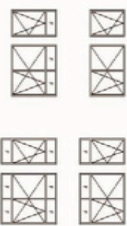
CAMARÃO



CARACTERÍSTICAS

Bitola: 45mm;
Largura de Folha: 720 mm / 3000 mm;
Altura de folha: 1000 mm / 3000 mm;
Sistema Correr Elevável: Capacidade 80 kg ou 400 kg por folha;
Sistema Correr Elevável: Capacidade 50,120 e 200 kg por folha;
Bitola de vidro: 4 mm à 32mm;
Largura marco 2FL: 117 mm.

OSCILO
BATENTE

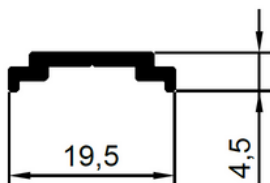


SUMÁRIO

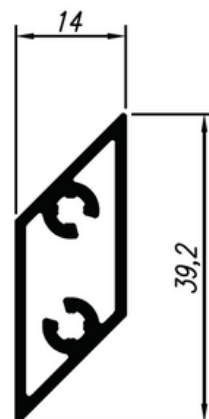


AUTEM BRISE	08
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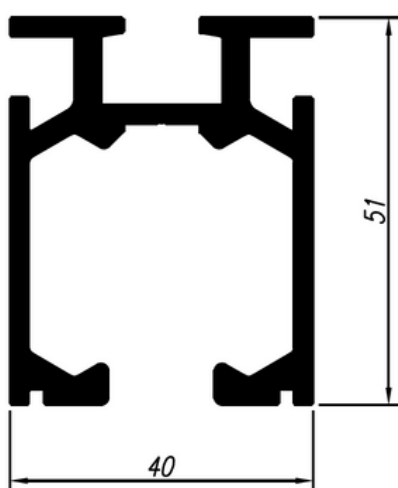
AUTEM BRISE



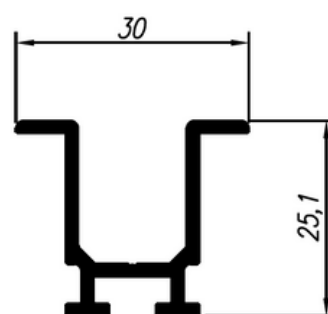
PLETINA
ES-1129
0,105 kg/m



OLHAL
ES-1769
0,388 kg/m

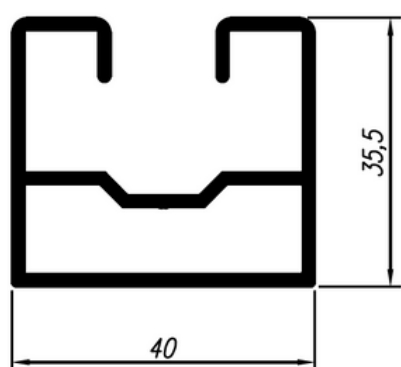


TRILHO SUPERIOR
ES-2380
1,522 kg/m

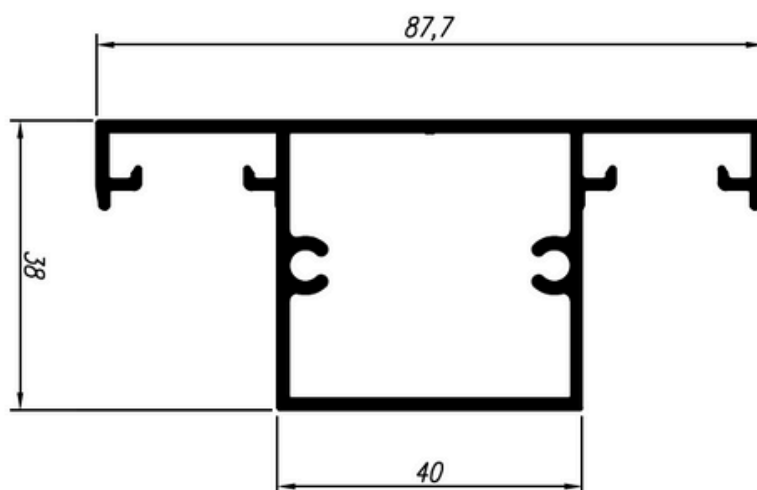


TRILHO INFERIOR EMBUTIDO
ES-2388
0,363 kg/m

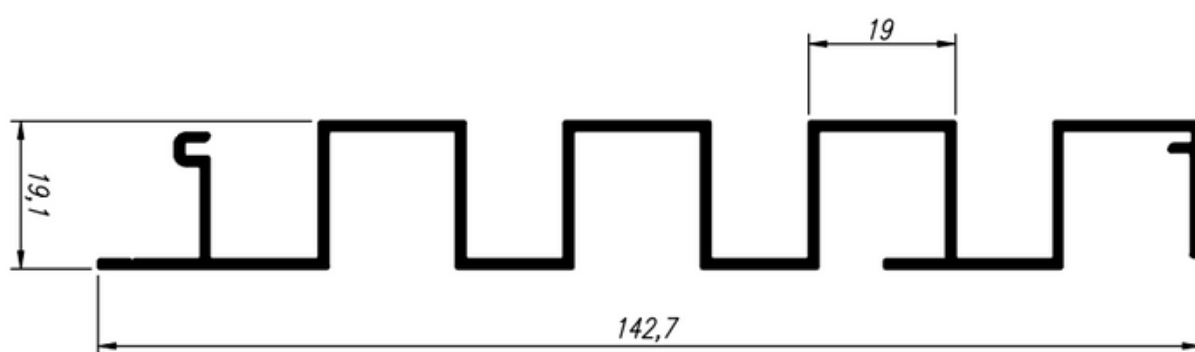
AUTEM BRISE



TRILHO INFERIOR
ES-2389
0,786 kg/m

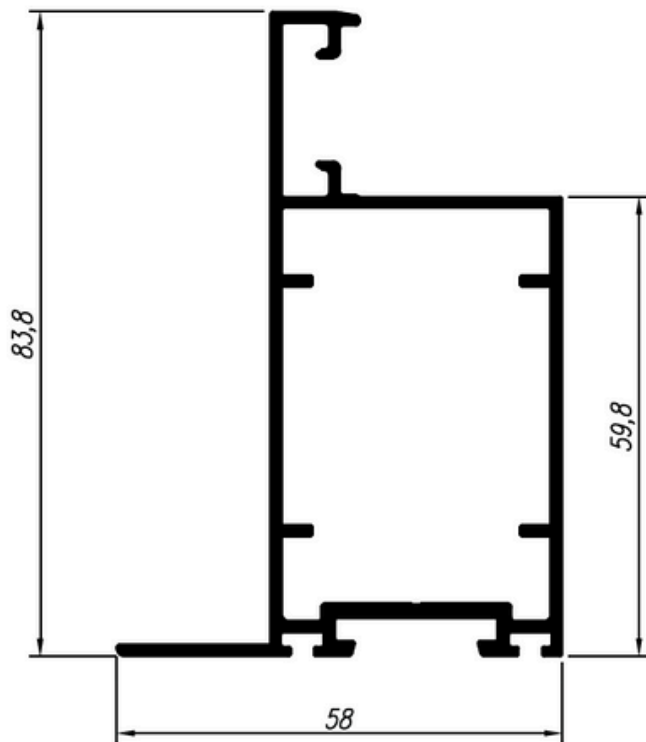


TRAVESSA
ES-2485
1,074 kg/m

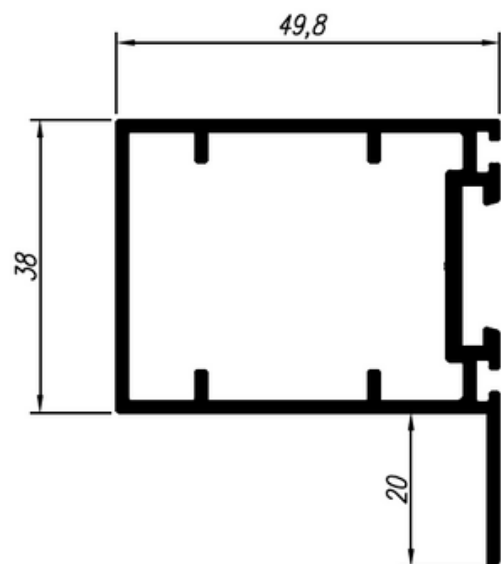


RIPADO
ES-2414
1,051 kg/m

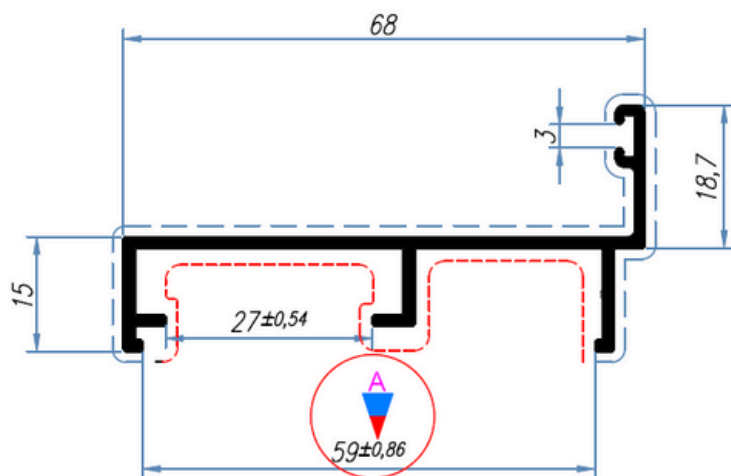
AUTEM BRISE



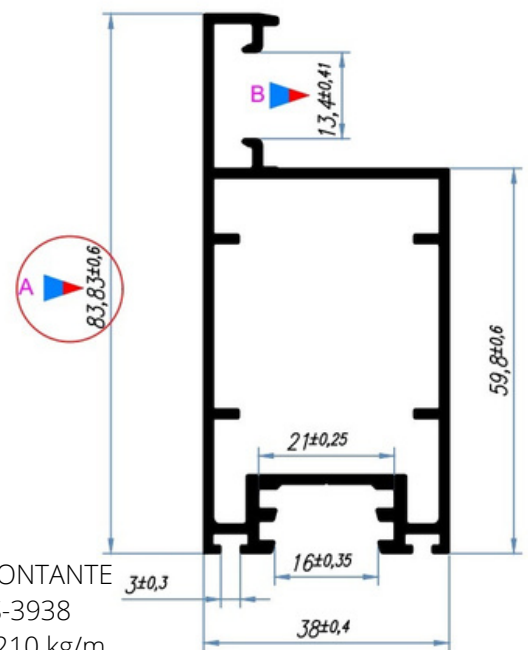
TRAVESSA LATERAL
ES-2486
1,217 kg/m



MARCO
ES-2487
0,951 kg/m



BATENTE
ES-2429
0,552 kg/m



MONTANTE
ES-3938
1,210 kg/m

AUTEM BRISE



ACESSÓRIOS



ROLDANA TRILHO PBR-04
2 RODAS 75 KG BRISE AUTEM
Cód: ROLD-R2



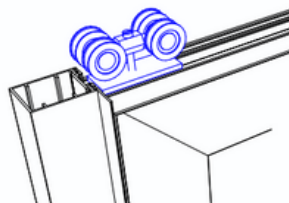
ROLDANA TRILHO PBR-04
4 RODAS 150 KG BRISE AUTEM
Cód: ROLD-R4



GUIA INFERIOR DE
12MM POLICETAL
BRISE AUTEM
Cód: GUIA510



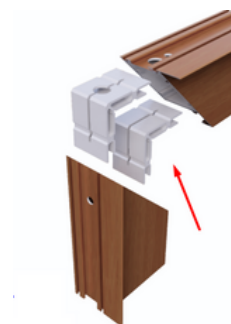
MAÇANETA CREMONA ABERT EXT.
ROSCADA PT BRISE AUTEM
Cód: MR2006R-PT



ROLDANA 4 RODAS 80 KG BRISE
AUTEM APENAS VT 68
Cód: ROL-AUTEM



GUIA 12MM CH RETA
ALUMINIO POLIDO
BRISE AUTEM
Cód: GUI-AUTEM



CONEXAO EXPANSIVA 35X8,5
BRISE AUTEM
Cód: MR6735-AUTEM



DOBRADICA TRIPLA
(BRISE AUTEM)
Cód: DOB-BR02T



DOBRADICA DE BALANCO
TRIPLA-PRETA
Cód: DOB-BR01T

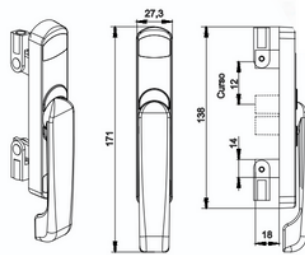
AUTEM BRISE



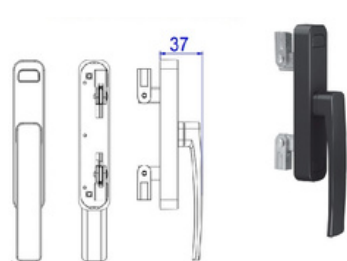
ACESSÓRIOS



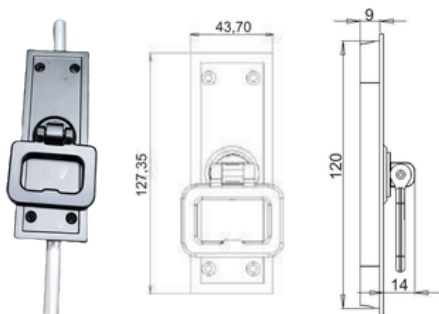
KIT PONTERA
P/CREM MR/2100/MR2006R
BRISE AUTEM
Cód: PONT-01-AUTEM



MAÇANETA
CREMONA
EXT.REBAIXADA
21MM BRISE AUTEM
Cód: MR2100



MAÇANETA
CREMONA EXT./INT
37MM
Cód: MR2110

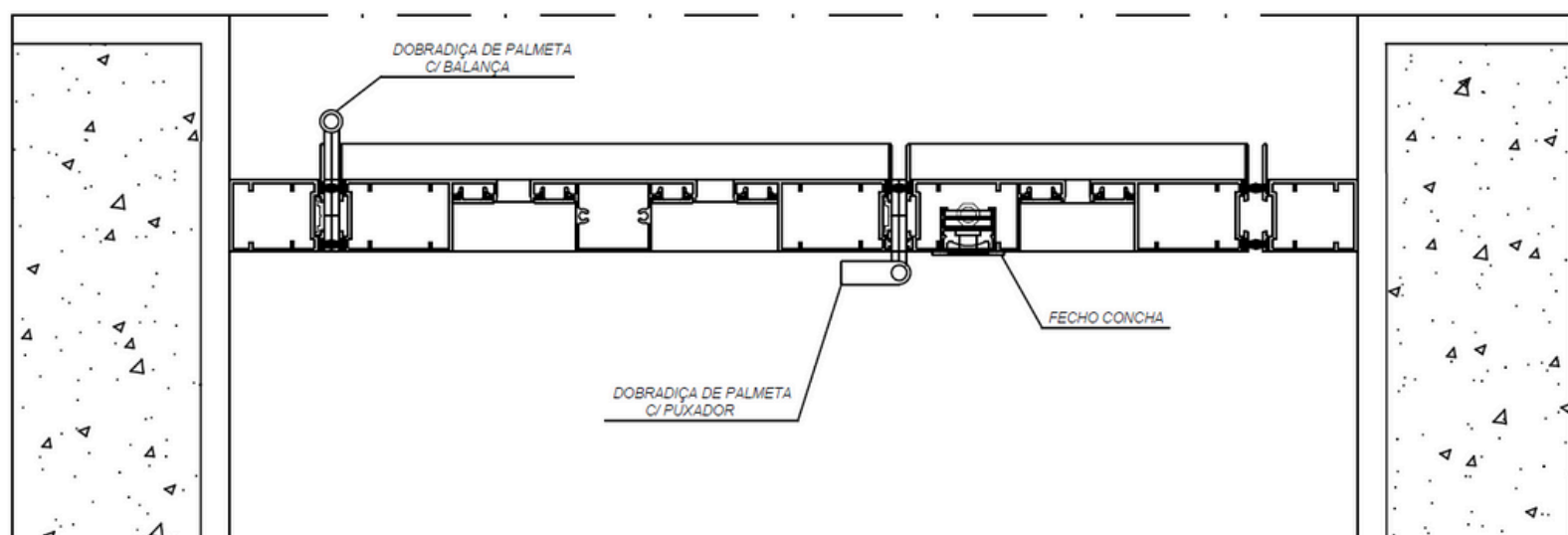
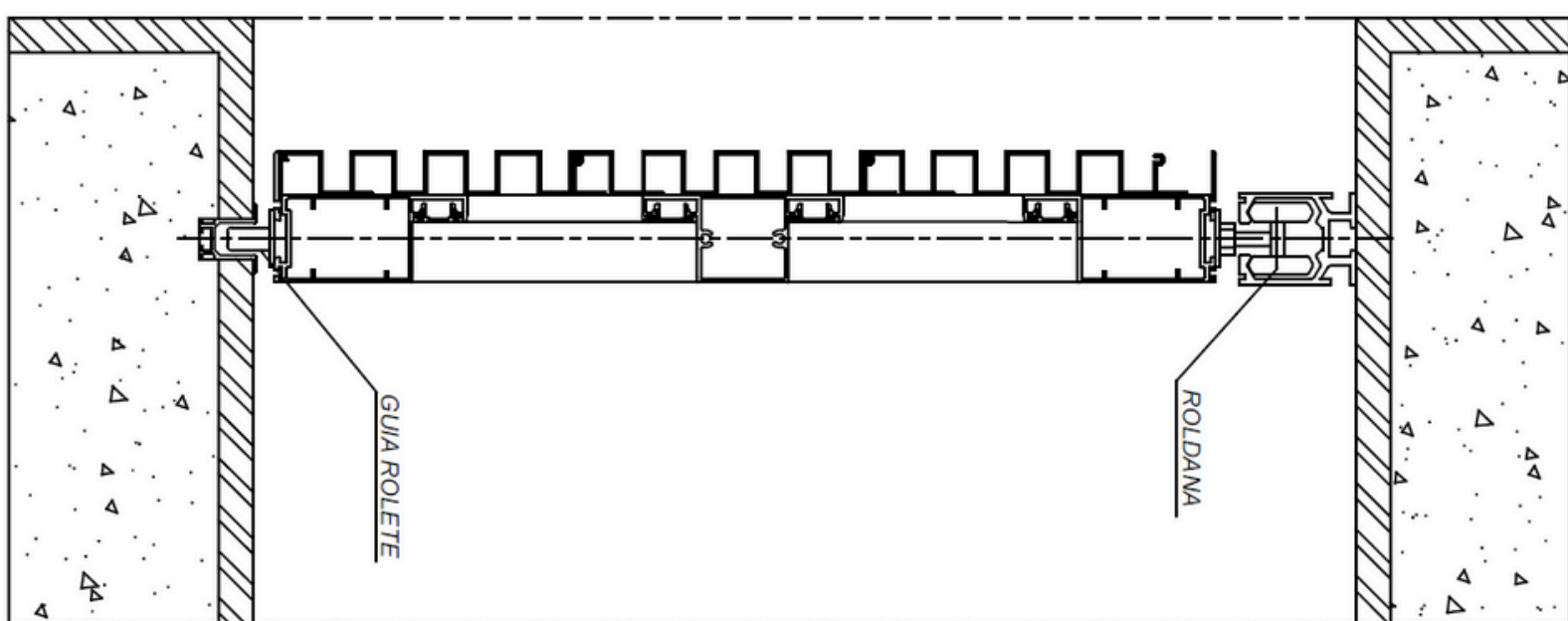


FECHO CREMONA EXT.EMBUTIR
Cód: MR2119

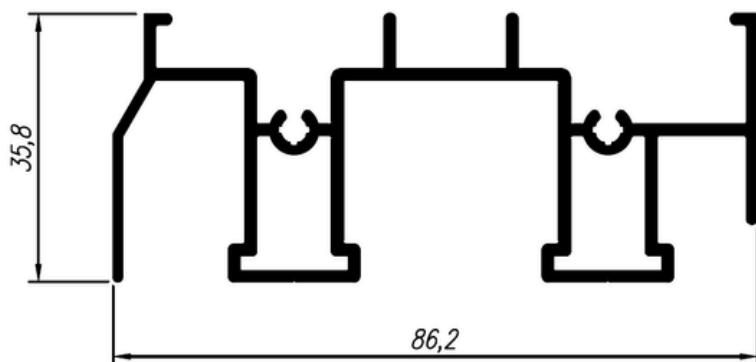
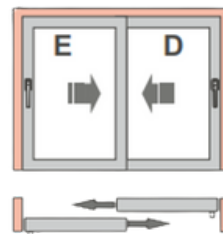
AUTEM BRISE



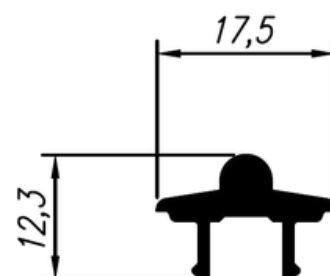
PROJETOS



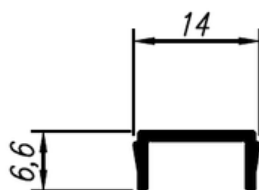
PORTA/JANELA DE CORRER 2 FOLHAS EURO 32



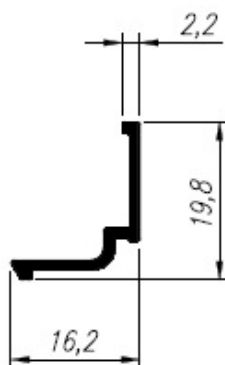
MARCO TRILHO SUPERIOR
ES-717
1,174 kg/m



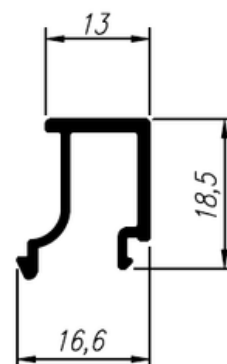
TRILHO
ES-701
0,184 kg/m



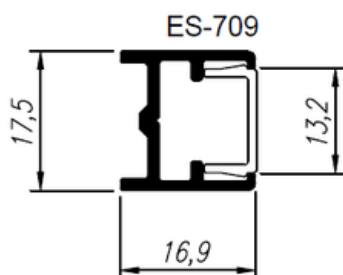
TAMPA
ES-709
0,070 kg/m



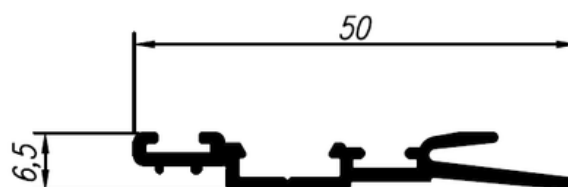
BAGUETE
ES-1445
0,121 kg/m



BAGUETE
ES-706
0,189 kg/m

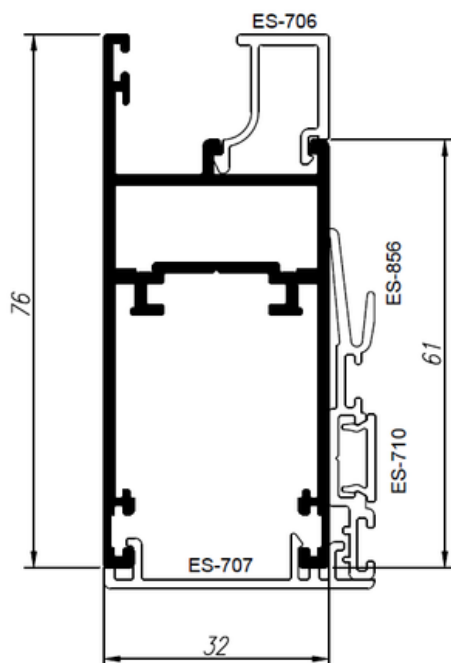
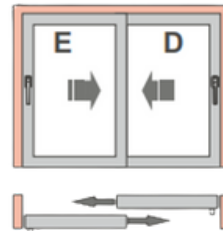


COMPLEMENTO MARCO LATERAL
ES-711
0,209 kg/m



MÃO AMIGO
ES-856
0,285 kg/m

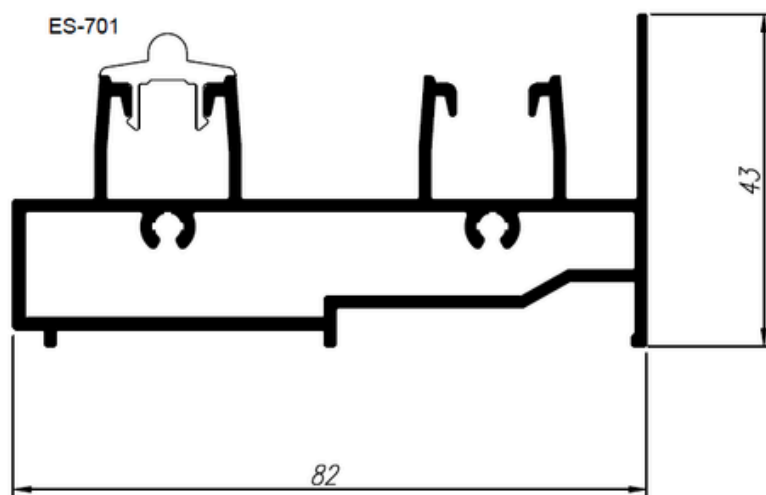
PORTA/JANELA DE CORRER 2 FOLHAS EURO 32



FOLHA
ES-704
0,974 kg/m

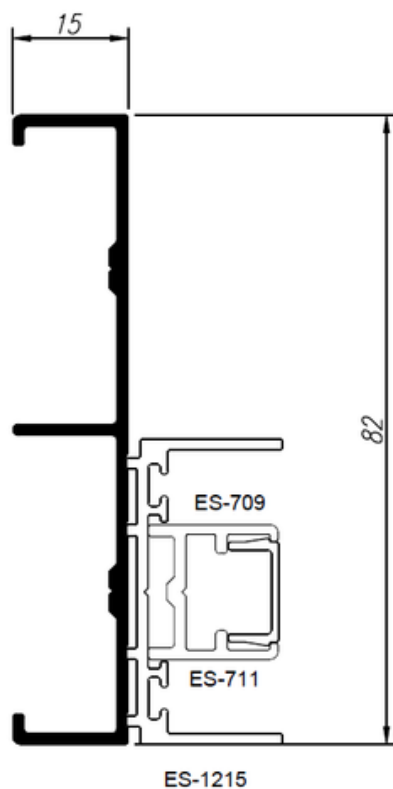
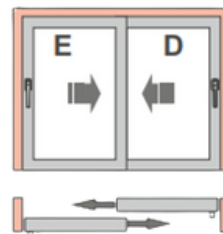


TAMPA FOLHA
ES-707
0,209 kg/m

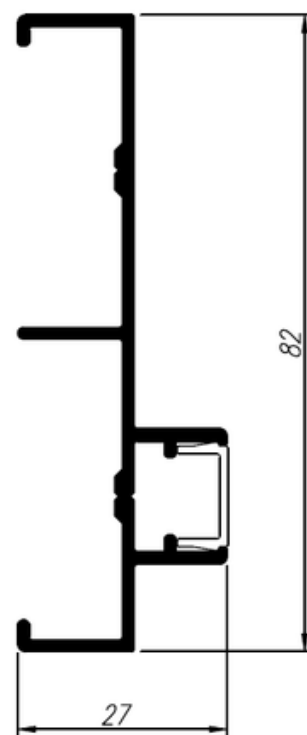


MARCO TRILHO INFERIOR CORRER
ES-1750
1,293 kg/m

PORTA/JANELA DE CORRER 2 FOLHAS EURO 32

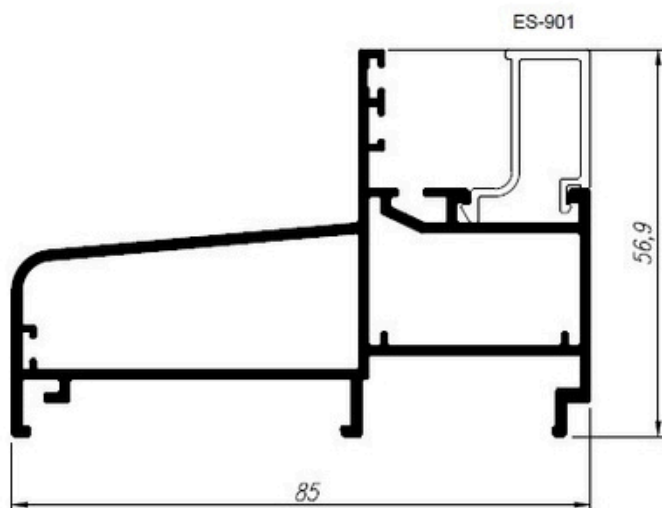
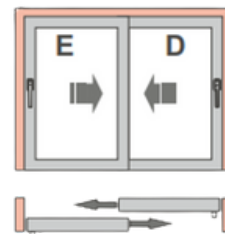


MARCO LATERAL
ES-911
0,541 kg/m

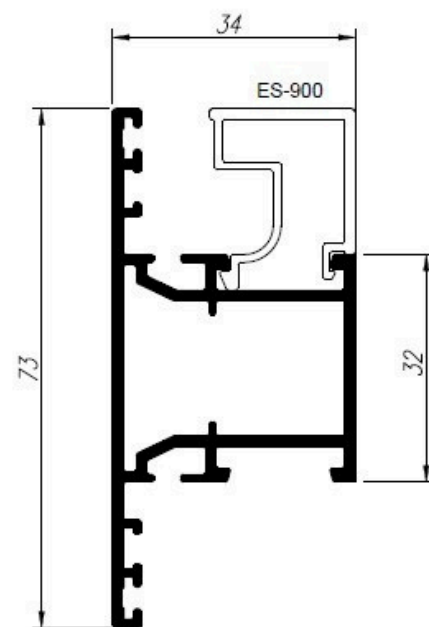


TRILHO
ES-702
0,672 kg/m

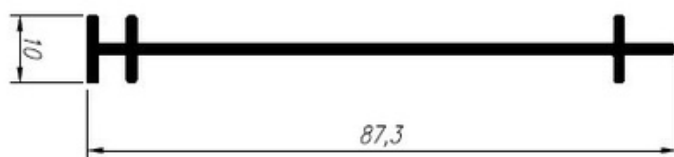
PORTA/JANELA DE CORRER 2 FOLHAS EURO 32



FIXO
ES-897
1,300 kg/m



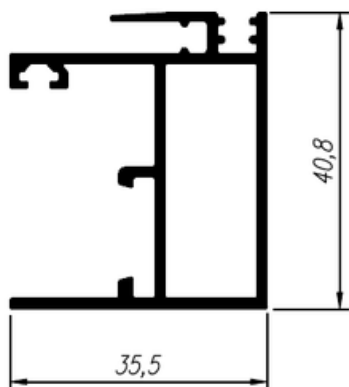
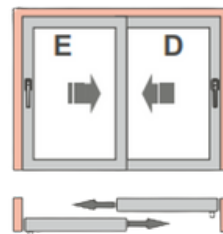
TRAVESSA
ES-893
0,894 kg/m



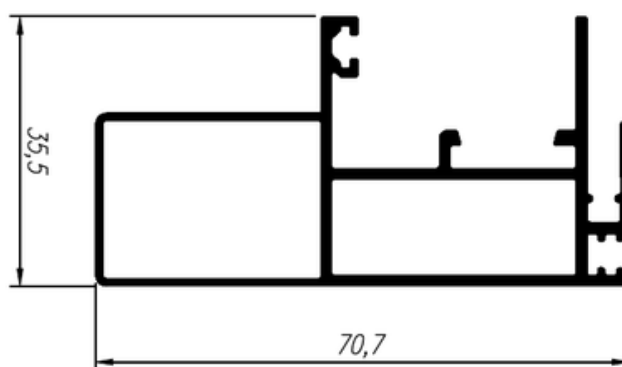
JUNÇÃO MARCO
ES-898
0,457 kg/m

PORTA/JANELA DE CORRER 2 FOLHAS EURO 32

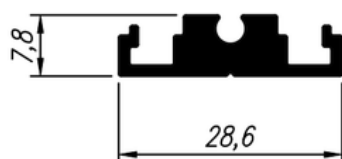
PERFIL SLIM | PERFIL REFORÇO



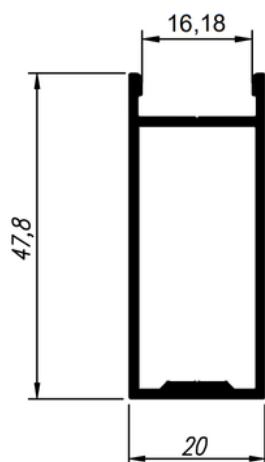
FOLHA MÃO AMIGO
ES-1200
0,695 kg/m



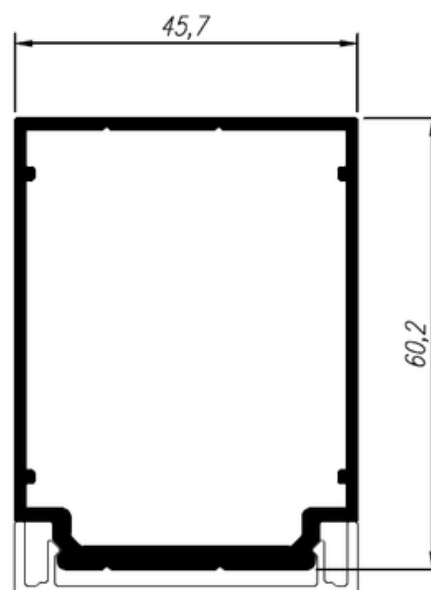
FOLHA MÃO AMIGO
ES-1201
0,914 kg/m



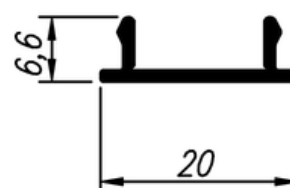
CONEXÃO
ES-1204
0,356 kg/m



TUBO MONTANTE
ES-964
0,500 kg/m



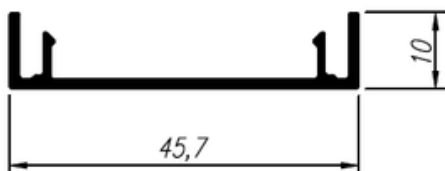
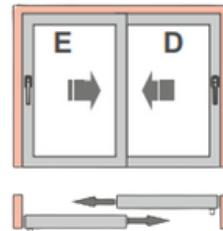
REFORÇO
ES-1600
0,977 kg/m



TAMPA CLICADA
ES-965
0,100 kg/m

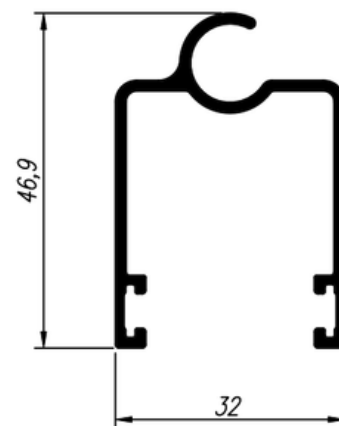
PORTA/JANELA DE CORRER 2 FOLHAS EURO 32

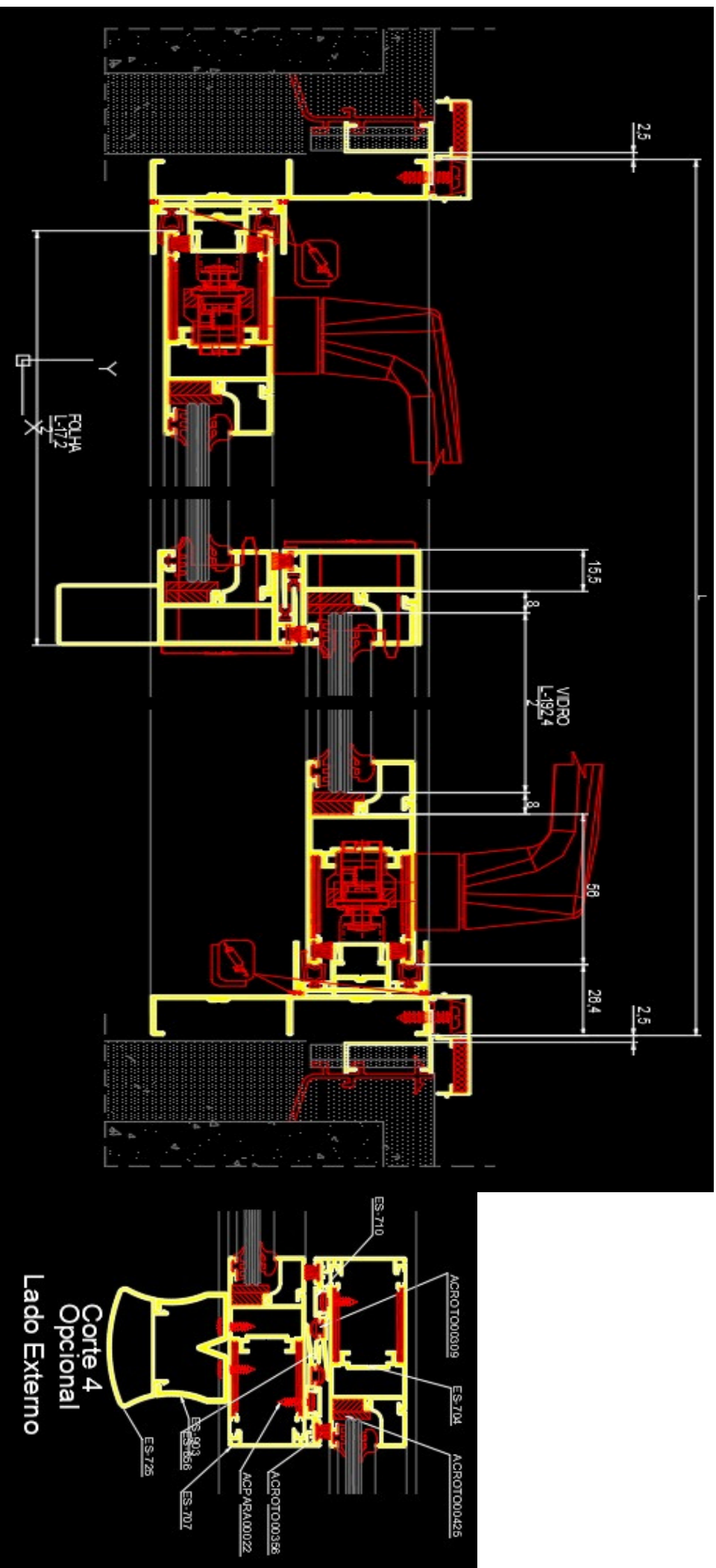
PERFIL SLIM | PERFIL REFORÇO



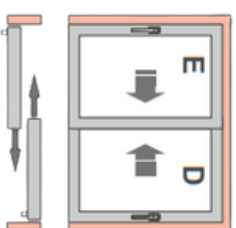
TAMPA REFORÇO
ES-1599
0,276 kg/m

COMPLEMENTO FOLHA
ES-1817
0,541 kg/m



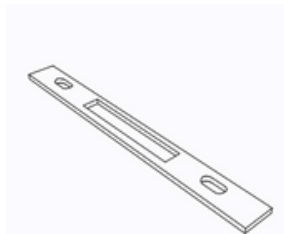
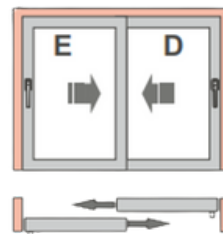


PORTA/JANELA DE CORRER 2 FOLHAS EURO 32

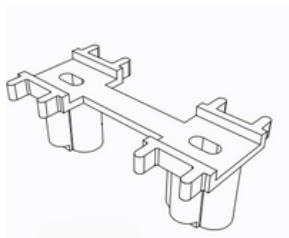


PORTA/JANELA DE CORRER 2 FOLHAS EURO 32

ACESSÓRIOS



CONTRA FECHO
Cód: N69



CALÇO PERIMETRAL
Cód: CM08



ROLDANA CORRER
REGULAVEL 120 KG
Cód: 615951



TAMPA DE DRENO
Cód: TDD03-012



CONEXAO
ALINHAMENTO L.32
Cód: CNA06012



TAPA PERFIL DUPLA
FACE 2 GUIAS L.32
Cód: VDS13-012



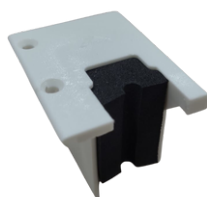
KIT CREMONA MULTIPONTO
L32
Cód: CRE-600-AUTEM 600mm



MACANETA R-LINE EIXO
24MM M5 X 35-R06.2M PT
Cód: 794357



CALCO ROLDANA
CORRER 50/120 KG
Cód: 642371



GUIA SUPERIOR DIREITA L.32
Cód: GUI58



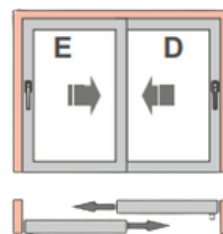
GUIA SUPERIOR ESQUERDA L.32
Cód: GUI59



KIT CREMONA 3 PONTOS
L32/45 COM E SEM CHAVE
Cód: CRE1600

PORTA/JANELA DE CORRER 2 FOLHAS EURO 32

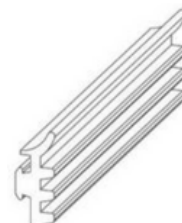
ACESSÓRIOS



VALVULA DE DRENO
SV9-NE
Cód: VDD02-012



TOPE DE FOLHA DE
CORRER . PRETO R06,2
Cód: TOP3355



GUARNICAO DE
BORRACHA BOR 003
Cód: GUA003



BORRACHA MAO DE AMIGO
DE CORRER L.45
Cód: BOR06



FITA VEDADORA 7X6



PARAFUSO 4,2X32



PARAFUSO 3,5X13



GUIA SUPERIOR L.32
Cód: GUI62012



BORRACHA VIDRO
INTERIO 4MM L.45
Cód: BOR04



BORRACHA VIDRO
INFERIOR 6MM L.45
Cód: BOR02



TAMPA SUPERIOR ESQ. L.32
Cód: GUI63

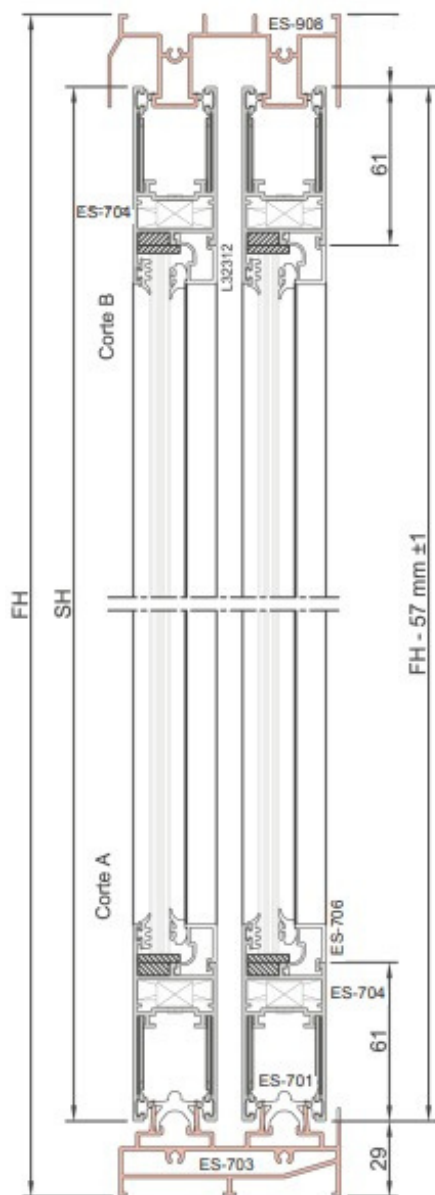
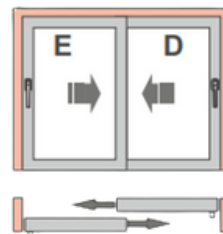


CONEXAO DE ALUMINIO
UNIAO 45 GRAUS
Cód: CNF01N-042



VEDAÇÃO INF-L.32
Cód: VDS10

PORTA/JANELA DE CORRER 2 FOLHAS EURO 32



EXEMPLO: JANELA DE CORRER 2 FOLHAS -> MEDINDO 1500 X 1200

ES-1750 -> $1500 - 30 = 1470$ (X1)
 ES-717 -> $1500 - 30 = 1470$ (X1)
 ES-702 -> SEM FOLGA (X2)
 ES-701 -> $1500 - 44 = 1456$ (X2)
 ES-704 -> $1500 / 2 = 750 + 16,5 = 766,5$ (X4)
 ES-704 -> $1200 - 57 = 1143$ (X4)
 ES-856 -> $1200 - 57 = 1143$ (X2)
 ES-707 -> $1143 - 97 = 1046$ (X2)
 ES-706 -> $766,5 - 122 = 644,5$ (X4)
 ES-706 -> $1143 - 152 = 991$ (X4)
 ES-710 -> $1200 - 71 = 1129$ (X2)

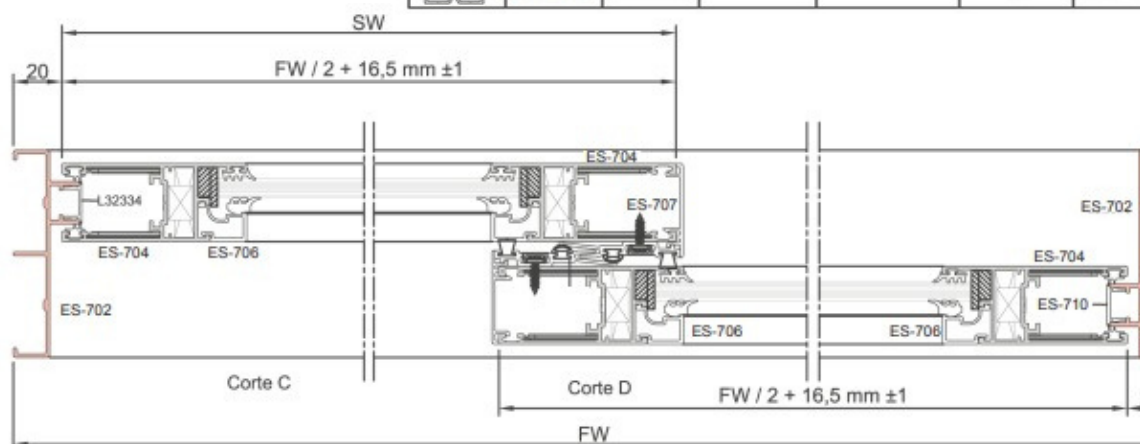
FOLGA DO VIDRO

LARGURA DO ES-704 -> $766,5 - 128 = 638,5$

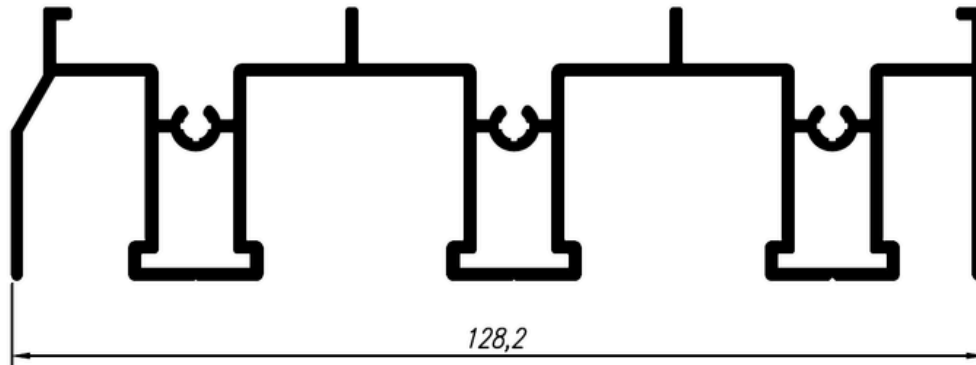
ALTURA DO ES-704 -> $1143 - 128 = 1015$

ES-1600

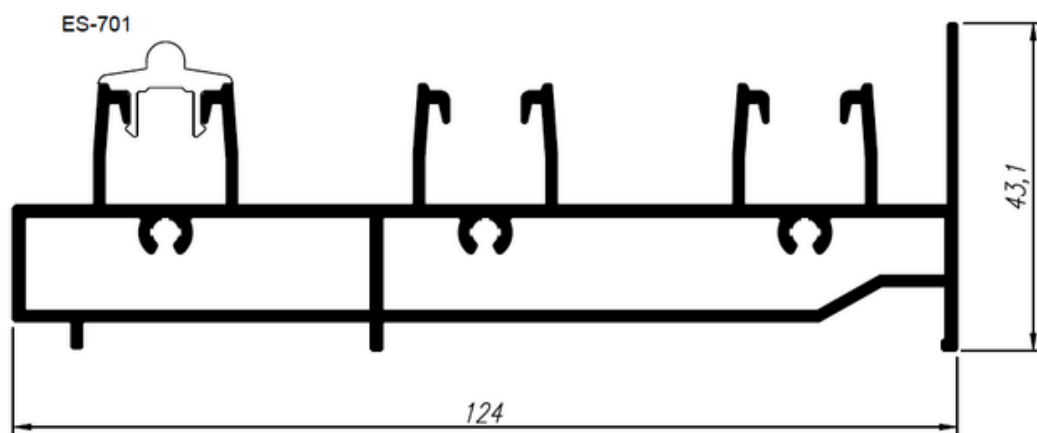
Fórmulas de corte						
Perfil	Código	Corte	Horizontal (FW)		Vertical (FH)	
			Quant.	Fórmula	Quant.	Fórmula
	ES-703		1	FW - 30		
	ES-908		1	FW - 30		
	ES-702				2	FH
	ES-701		2	FW - 44 ± 1		
	ES-704		4	FW / 2 + 16,5 ± 1	4	FH - 57 ± 1
	ES-856				2	SH ± 1
	ES-707				2	SH - 97 ± 1
	ES-706		4	SW - 122 ± 1	4	SH - 152 ± 1
	ES-710				2	FH - 71 ± 1
	ES-725				1	SH - 99 ± 2
	ES-903				1	SH - 99 ± 2



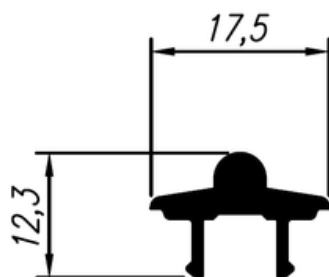
PORTA/JANELA DE CORRER 3 FOLHAS EURO 32



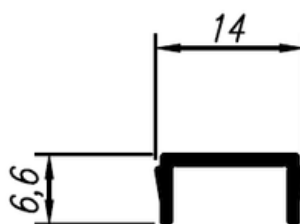
MARCO TRILHO SUPERIOR
ES-712
1,688 kg/m



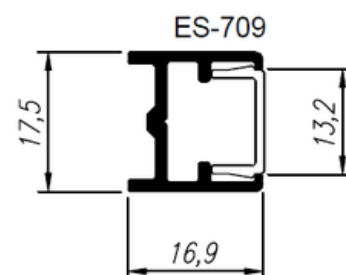
MARCO TRILHO INFERIOR CORRER
ES-1749
1,876 kg/m



TRILHO
ES-701
0,184 kg/m

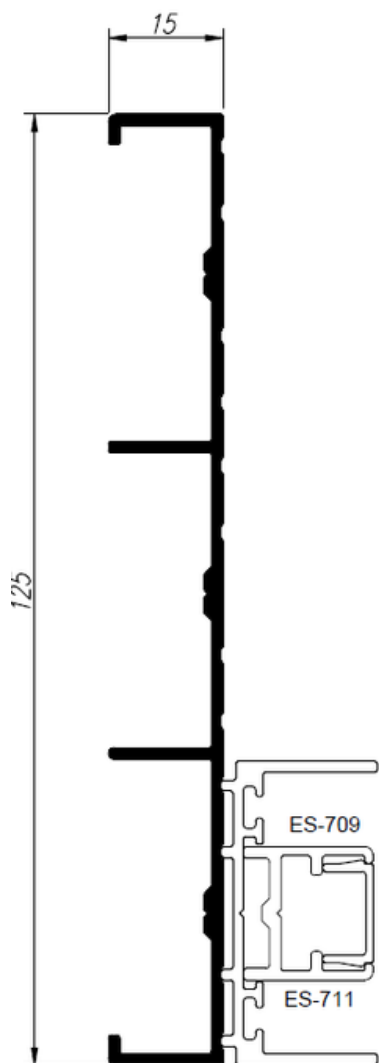
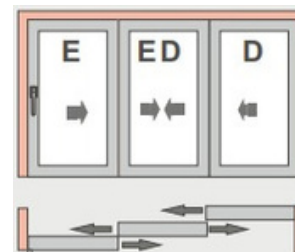


TAMPA
ES-709
0,070 kg/m

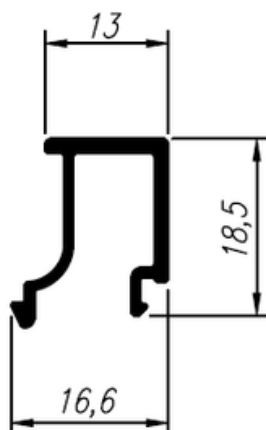


COMPLEMENTO MARCO LATERAL
ES-711
0,209 kg/m

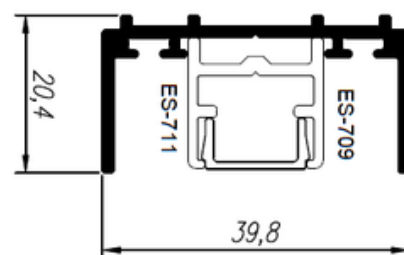
PORTA/JANELA DE CORRER 3 FOLHAS EURO 32



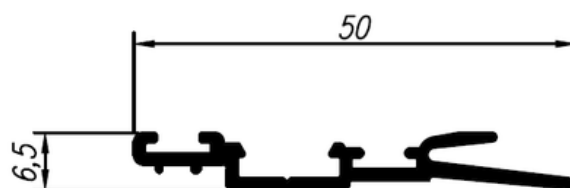
MARCO LATERAL
ES-1215
0,772 kg/m



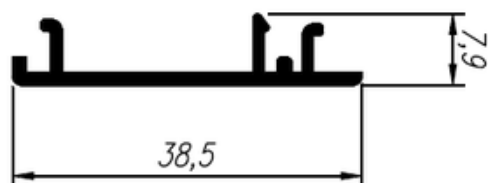
BAGUETE
ES-706
0,189 kg/m



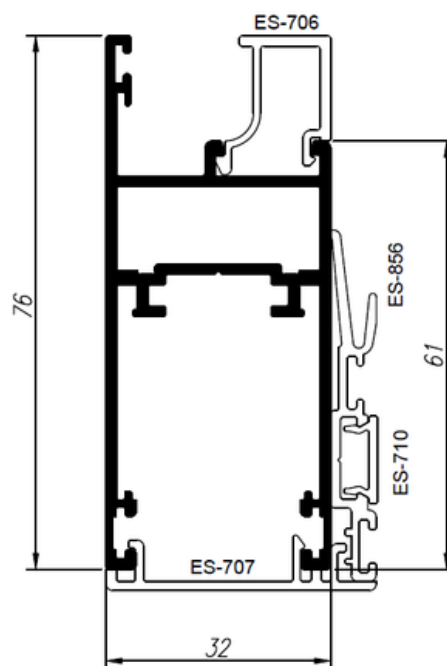
COMPLEMENTO MARCO
ES-1215
0,360 kg/m



MÃO AMIGO
ES-856
0,285 kg/m



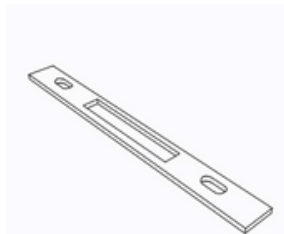
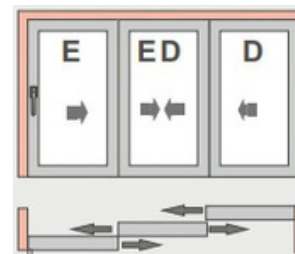
TAMPA FOLHA
ES-707
0,209 kg/m



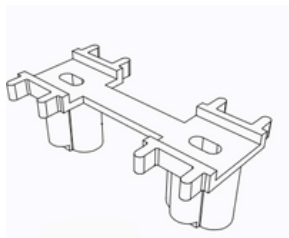
FOLHA
ES-704
0,974 kg/m

PORTA/JANELA DE CORRER 3 FOLHAS EURO 32

ACESSÓRIOS



CONTRA FECHO
Cód: N69



CALÇO PERIMETRAL
Cód: CM08



ROLDANA CORRER
REGULAVEL 120 KG
Cód: 615951



TAMPA DE DRENO
Cód: TDD03-012



CONEXAO
ALINHAMENTO L.32
Cód: CNA06012



TAPA PERFIL DUPLA
FACE 3 GUIAS L.32
Cód: VDS15-012



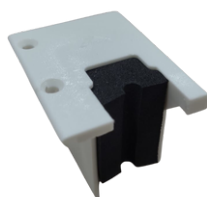
KIT CREMONA MULTIPONTO
L32
Cód: CRE-600-AUTEM 600mm



MACANETA R-LINE EIXO
24MM M5 X 35-R06.2M PT
Cód: 794357



CALCO ROLDANA
CORRER 50/120 KG
Cód: 615951



GUIA SUPERIOR DIREITA L.32
Cód: GUI58



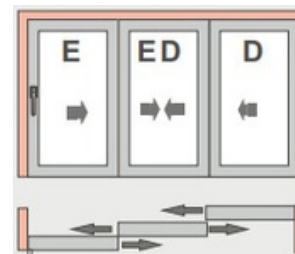
GUIA SUPERIOR ESQUERDA L.32
Cód: GUI59



KIT CREMONA 3 PONTOS
L32/45 COM E SEM CHAVE
Cód: CRE1600

PORTA/JANELA DE CORRER 3 FOLHAS EURO 32

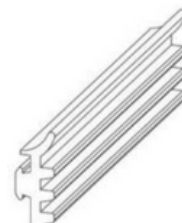
ACESSÓRIOS



VALVULA DE DRENO
SV9-NE
Cód: VDD02-012



TOPE DE FOLHA DE
CORRER . PRETO R06,2
Cód: TOP3355



GUARNICAO DE
BORRACHA BOR 003
Cód: GUA003



BORRACHA MAO DE AMIGO
DE CORRER L.45
Cód: BOR06



FITA VEDADORA 7X6



PARAFUSO 4,2X32



PARAFUSO 3,5X13



GUIA SUPERIOR L.32
Cód: GUI62012



BORRACHA VIDRO
INTERIO 4MM L.45
Cód: BOR04



BORRACHA VIDRO
INFERIOR 6MM L.45
Cód: BOR02



TAMPA SUPERIOR ESQ. L.32
Cód: GUI63

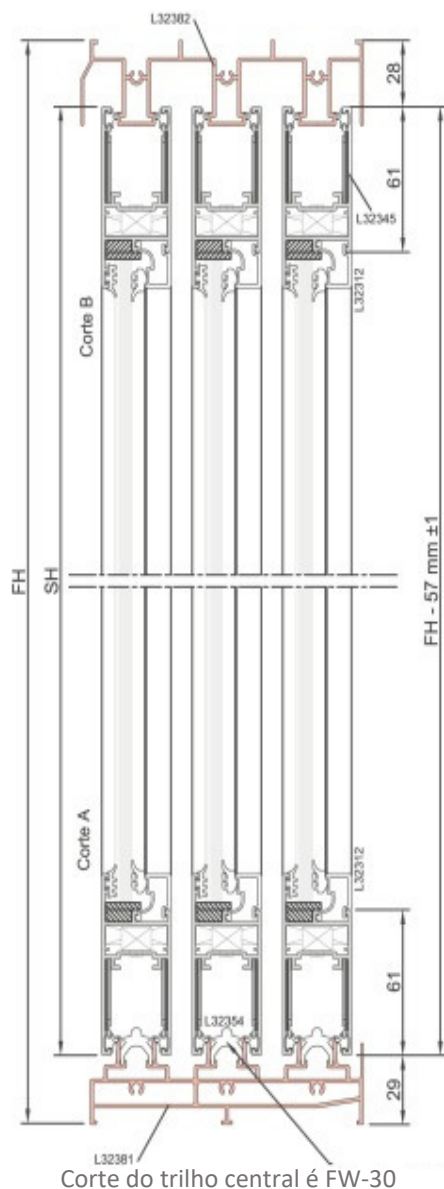
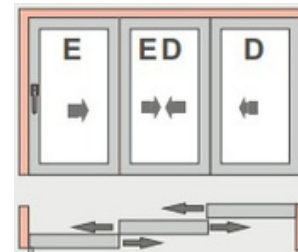


CONEXAO DE ALUMINIO
UNIAO 45 GRAUS
Cód: CNF01N-042



VEDAÇÃO INF-L.32
Cód: VDS10

PORTA/JANELA DE CORRER 3 FOLHAS EURO 32



EXEMPLO: JANELA DE CORRER 3 FOLHAS -> MEDINDO 1500 X 1200

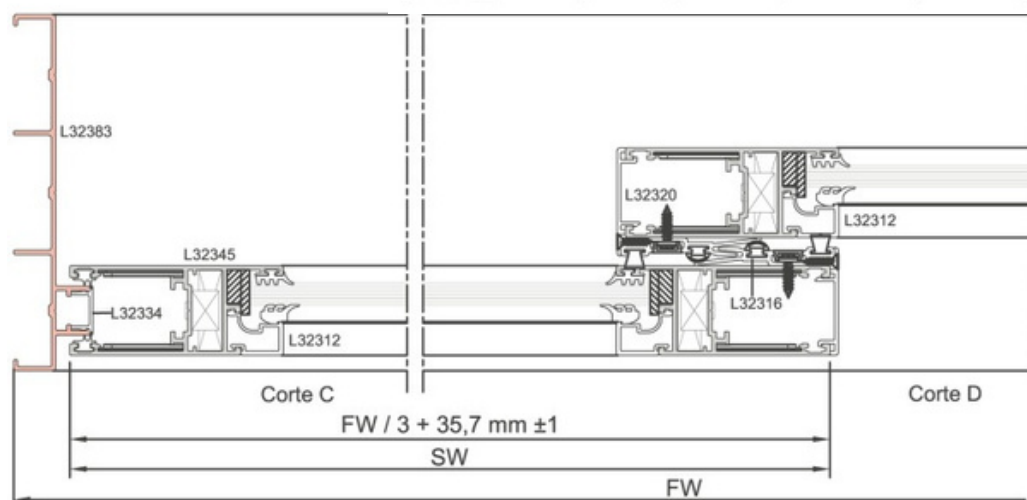
ES-1749 -> $1500 - 30 = 1470$ (X1)
 ES-712 -> $1500 - 30 = 1470$ (X1)
 ES-912 -> SEM FOLGA (X2)
 ES-701 -> $1500 - 44 = 1456$ (X2) (Corte do trilho central é FW-30)
 ES-704 -> $1500 / 3 = 500 + 35,7 = 535,7$ (X6)
 ES-704 -> $1200 - 57 = 1143$ (X6)
 ES-856 -> $1200 - 57 = 1143$ (X4)
 ES-707 -> $1143 - 97 = 1046$ (X4)
 ES-706 -> $535,7 - 122 = 413,7$ (X6)
 ES-706 -> $1143 - 152 = 991$ (X6)
 ES-710 -> $1200 - 71 = 1129$ (X2)
 ES-711 -> $1200 - 70 = 1130$ (X2)

FOLGA DO VIDRO

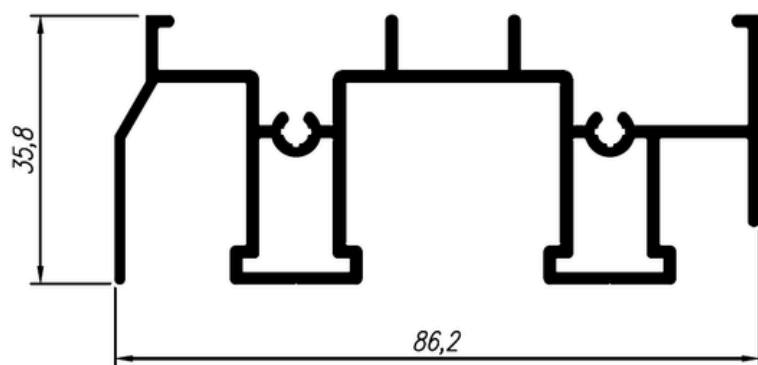
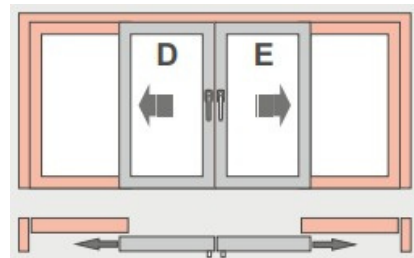
LARGURA DO ES-704 -128 -> $535,7 - 128 = 407,7$

ALTURA DO ES-704 -128 -> $1143 - 128 = 1015$

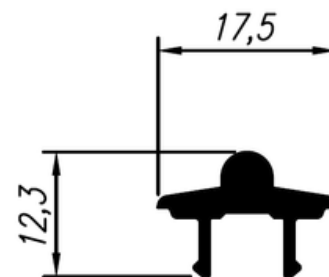
Fórmulas de corte						
Perfil	Código	Corte	Horizontal (FW)		Vertical (FH)	
			Quant.	Fórmula	Quant.	Fórmula
	L32381		1	FW - 30		
	L32382		1	FW - 30		
	L32383				2	FH
	L32354		3	FW - 44 ± 1		
	L32345		6	FW / 3 + 35,3 ± 1	6	FH - 57 ± 1
	L32316				4	SH ± 1
	L32320				4	SH - 97 ± 1
	L32312		6	SW - 122 ± 1	6	SH - 152 ± 1
	L32334				2	FH - 71 ± 1
	L32295				2	SH - 99 ± 2
	L32296				2	SH - 99 ± 2



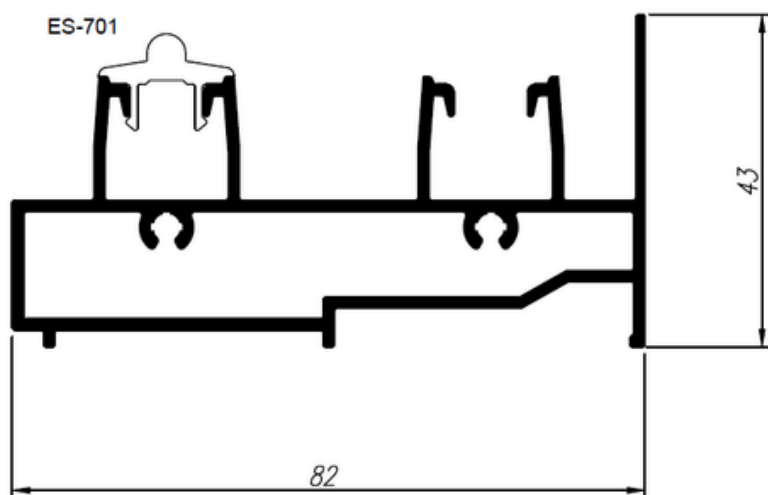
PORTA/JANELA DE CORRER 4 FOLHAS EURO 32



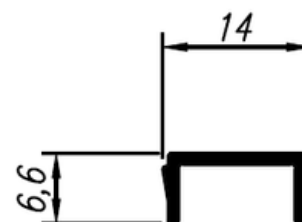
MARCO TRILHO SUPERIOR
ES-717
1,174 kg/m



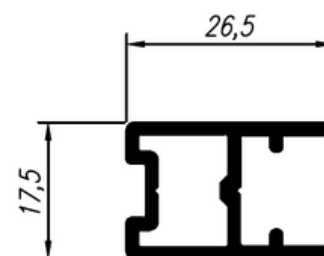
TRILHO
ES-701
0,184 kg/m



MARCO TRILHO INFERIOR CORRER
ES-1750
1,293 kg/m

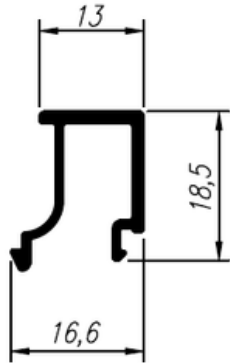
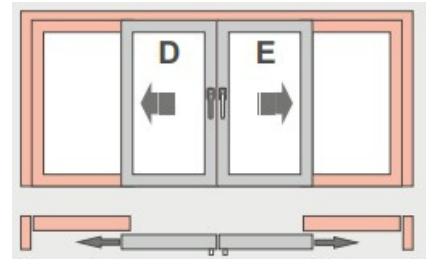


TAMPA
ES-709
0,070 kg/m

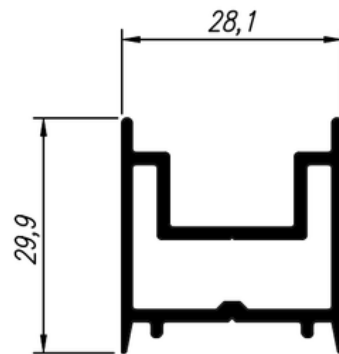


COMPLEMENTO ENCONTRO CENTRAL
ES-714
0,387 kg/m

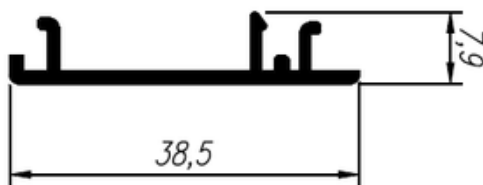
PORTA/JANELA DE CORRER 4 FOLHAS EURO 32



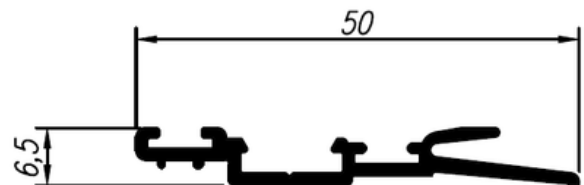
BAGUETE
ES-706
0,189 kg/m



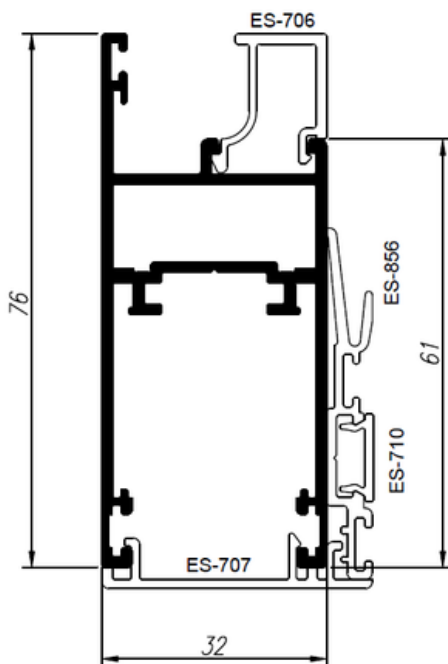
ENCONTRO CENTRAL
ES-716
0,508 kg/m



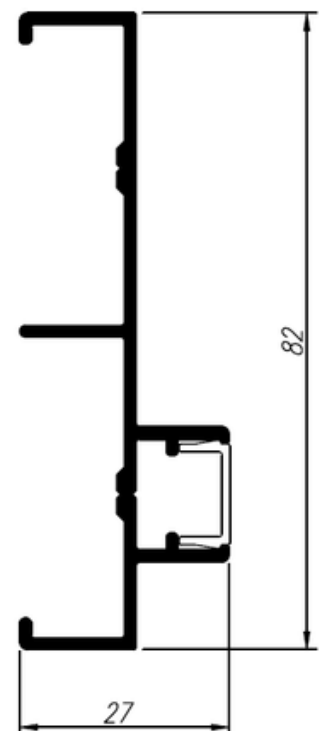
TAMPA FOLHA
ES-707
0,209 kg/m



MÃO AMIGO
ES-856
0,285 kg/m



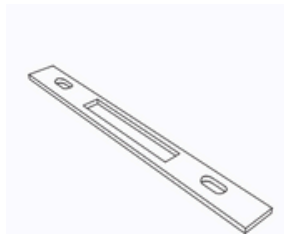
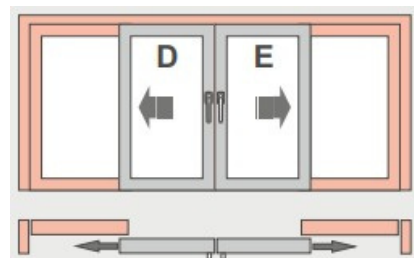
FOLHA
ES-704
0,974 kg/m



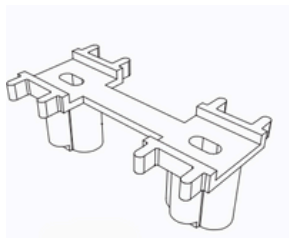
TRILHO
ES-702
0,672 kg/m

PORTA/JANELA DE CORRER 4 FOLHAS EURO 32

ACESSÓRIOS



CONTRA FECHO
Cód: N69



CALÇO PERIMETRAL
Cód: CM08



ROLDANA CORRER
REGULAVEL 120 KG
Cód: 615951



TAMPA DE DRENO
Cód: TDD03-012



CONEXAO
ALINHAMENTO L.32
Cód: CNA06012



TAPA PERFIL DUPLA
FACE 2 GUIAS L.32
Cód: VDS13-012



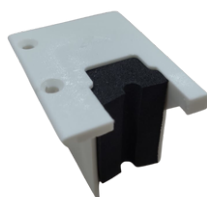
KIT CREMONA MULTIPONTO
L32
Cód: CRE-600-AUTEM 600mm



MACANETA R-LINE EIXO
24MM M5 X 35-R06.2M PT
Cód: 794357



CALCO ROLDANA
CORRER 50/120 KG
Cód: 642371



GUIA SUPERIOR DIREITA L.32
Cód: GUI58



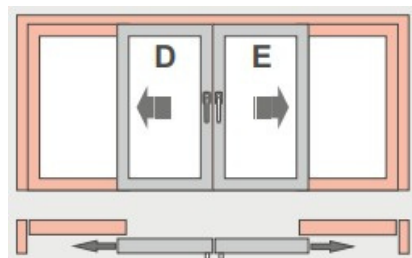
GUIA SUPERIOR ESQUERDA L.32
Cód: GUI59



GUIA TERMINAL L.32
Cód: GUI65

PORTA/JANELA DE CORRER 4 FOLHAS EURO 32

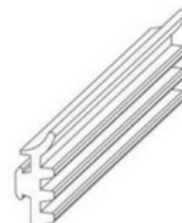
ACESSÓRIOS



VALVULA DE DRENO
SV9-NE
Cód: VDD02-012



TOPE DE FOLHA DE
CORRER . PRETO R06,2
Cód: TOP3355



GUARNICAO DE
BORRACHA BOR 003
Cód: GUA003



BORRACHA MAO DE AMIGO
DE CORRER L.45
Cód: BOR06



FITA VEDADORA 7X6



PARAFUSO 4,2X32



PARAFUSO 3,5X13



GUIA SUPERIOR L.32
Cód: GUI62012



BORRACHA VIDRO
INTERIO 4MM L.45
Cód: BOR04



BORRACHA VIDRO
INFERIOR 6MM L.45
Cód: BOR02



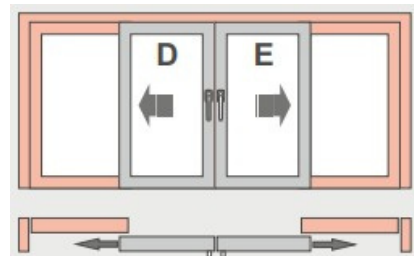
TAMPA SUPERIOR ESQ. L.32
Cód: GUI63



CONEXAO DE ALUMINIO
UNIAO 45 GRAUS
Cód: CNF01N-042



VEDAÇÃO INF-L.32
Cód: VDS10

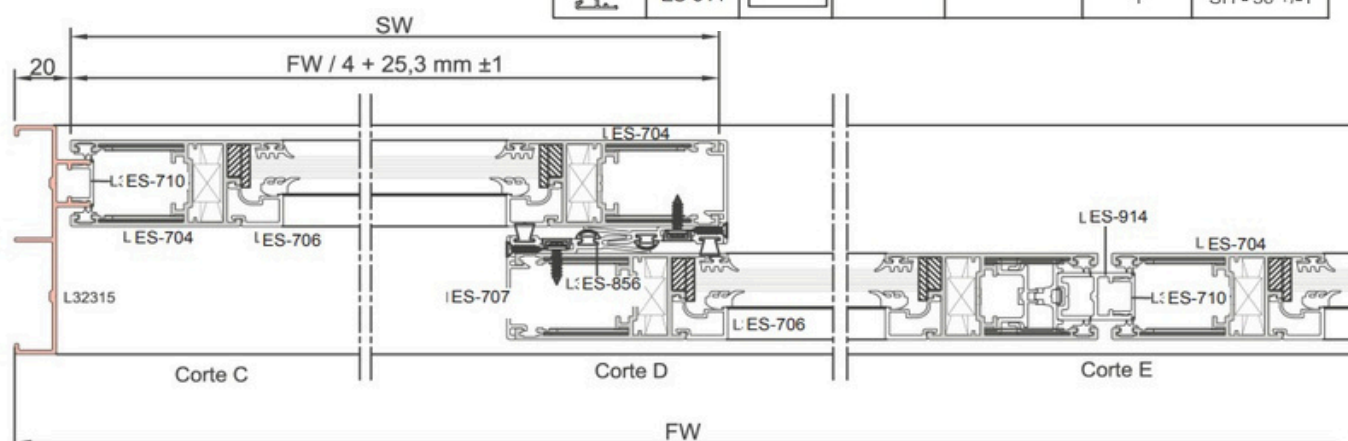


ES-1750 -> $2000 - 30 = 1970$ (X1)
 ES-717 -> $2000 - 30 = 1970$ (X1)
 ES-702 -> SEM FOLGA (X2)
 ES-701 -> $2000 - 44 = 1956$ (X2)
 ES-704 -> $2000 / 4 = 500 + 25,3 = 525,3$ (X8)
 ES-704 -> $1200 - 57 = 1143$ (X8)
 ES-856 -> $1200 - 57 = 1143$ (X4)
 ES-707 -> $1143 - 97 = 1046$ (X4)
 ES-706 -> $525,3 - 122 = 403,3$ (X8)
 ES-706 -> $1143 - 152 = 991$ (X8)
 ES-710 -> $1200 - 71 = 1129$ (X3)
 ES-714 -> $1143 - 50 = 1093$ (X1)
 ES-716 -> $1143 - 50 = 1093$ (X1)

FOLGA DO VIDRO

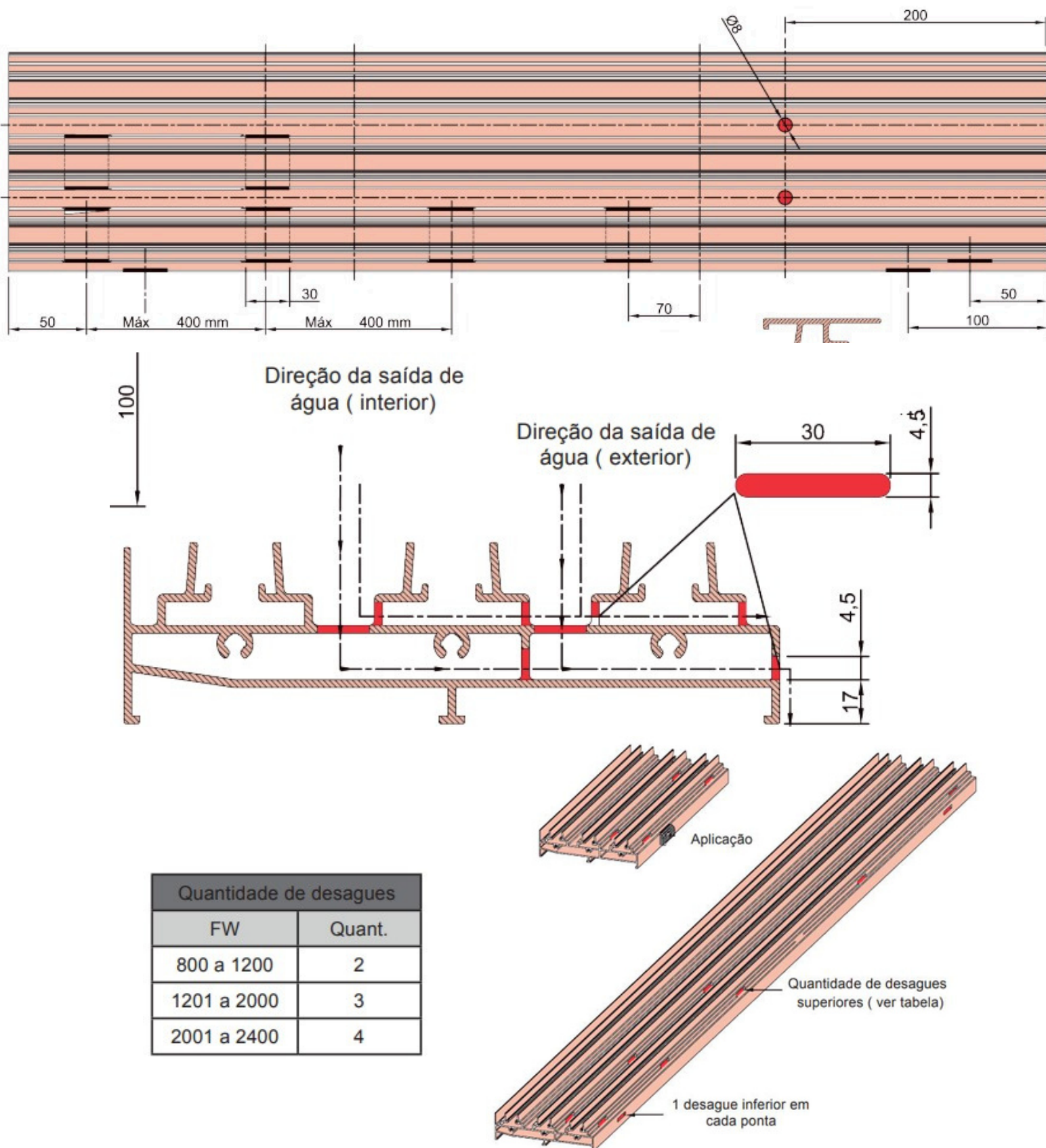
LARGURA DO ES-704 -128 -> 525,3 -128 = 397,3
ALTURA DO ES-704 -128 -> 1143 -128 = 1015

Fórmulas de corte						
Perfil	Código	Corte	Horizontal (FW)		Vertical (FH)	
			Quant.	Fórmula	Quant.	Fórmula
	ES-703		1	FW - 30		
	ES-908		1	FW - 30		
	ES-702				2	FH
	ES-701		3	FW - 44 +/-1		
	ES-704		8	FW /4+25,3±1	8	FH - 57±1
	ES-856				4	SH ±1
	ES-707				4	SH - 97 +/-1
	ES-706		8	SW -122 +/-1	8	SH - 152 +/-1
	ES-710				3	FH - 71 +/-1
	ES-725				4	SH - 99 +/-2
	ES-903				4	SH - 99 +/-2
	ES-914				1	SH - 50 +/-1



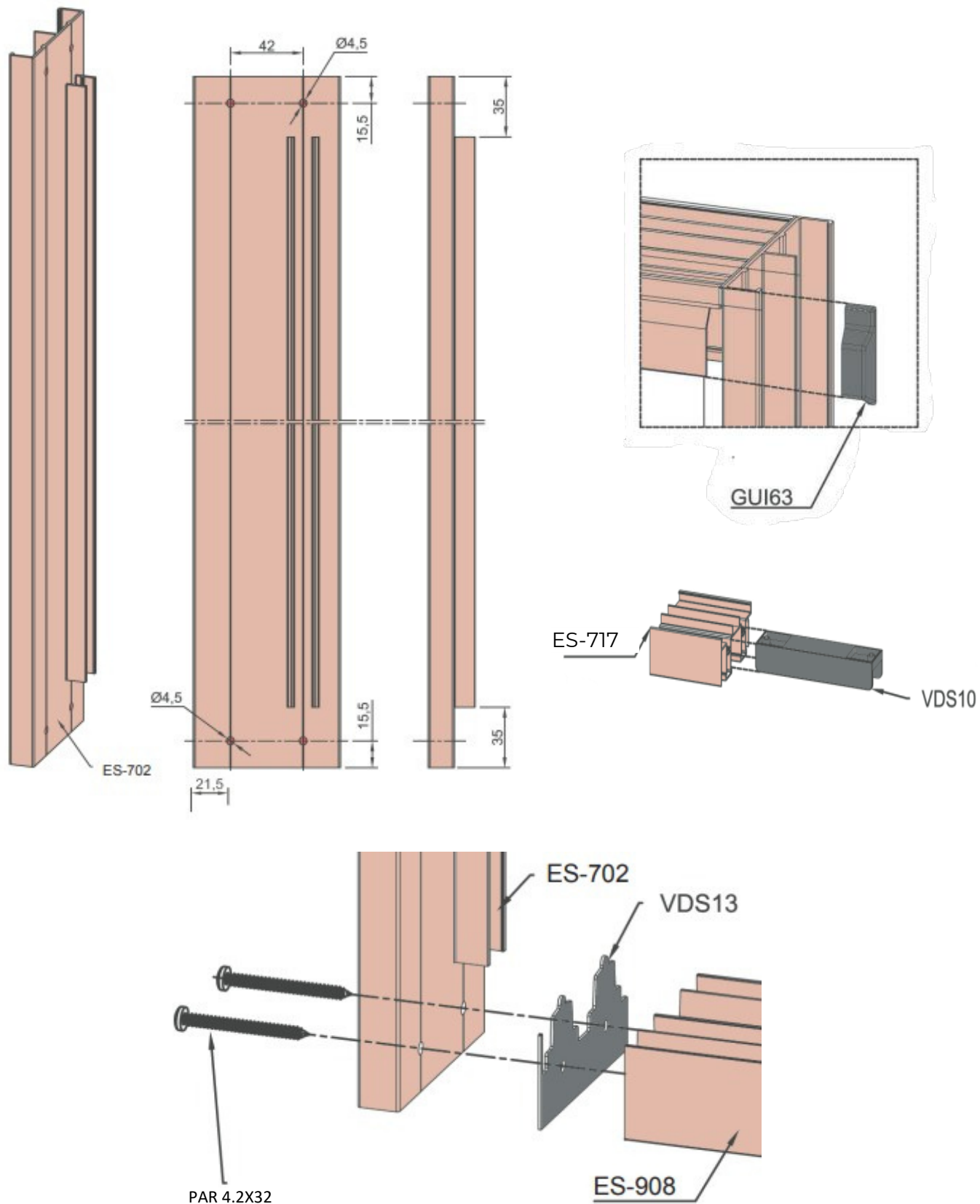
PORTA/JANELA DE CORRER EURO 32

INSTRUÇÕES DE MONTAGEM (DRENO)



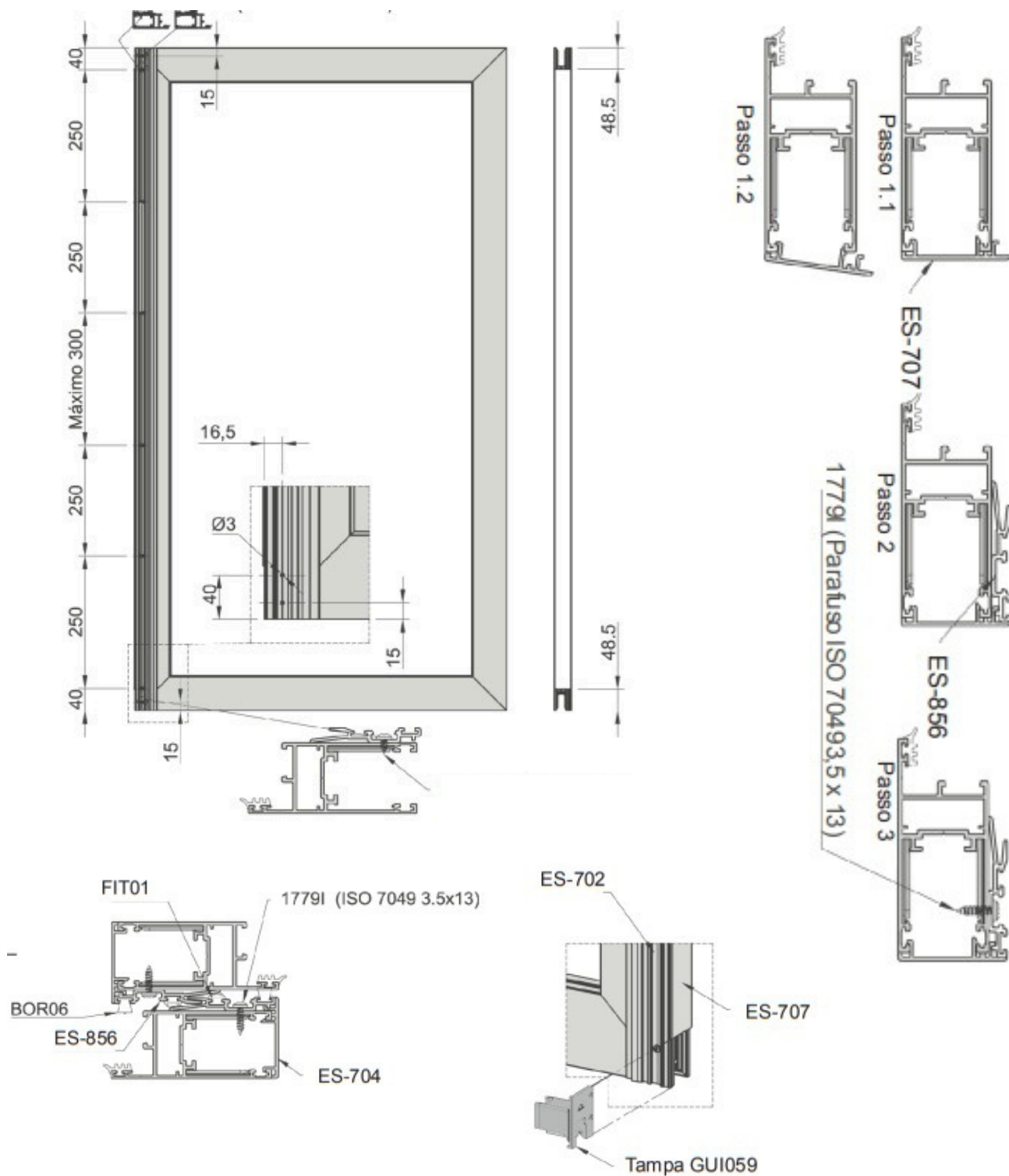
PORTA/JANELA DE CORRER EURO 32

INSTRUÇÕES DE MONTAGEM



PORTA/JANELA DE CORRER EURO 32

INSTRUÇÕES DE MONTAGEM (MÃO-AMIGA)



Passo a passo para montagem do cruzamento das folhas:

Montar a tampa (ES-707) com pressão, deixando uma distância de 48,5mm na parte inferior da folha.

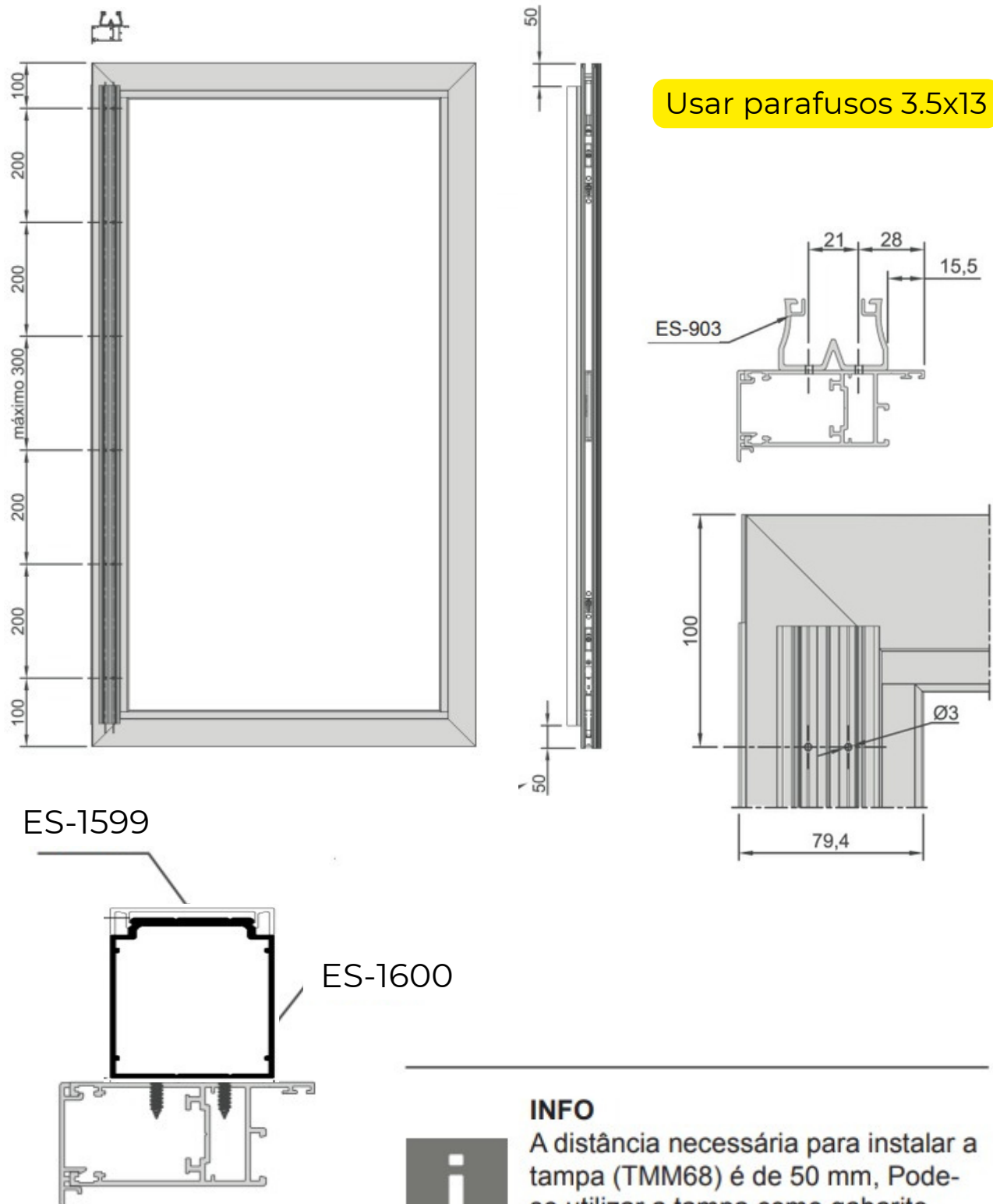
Montar o perfil (ES-856) e fazer os furos usando uma broca de 3mm.

Apertar os parafusos, 3,5x6,5mm na primeira e na última distância do olhal. o restante dos parafusos devem ser de 3,5x13mm.

Instalar as borrachas e as escovas.

PORTA/JANELA DE CORRER EURO 32

INSTRUÇÕES DE MONTAGEM (REFORÇO)



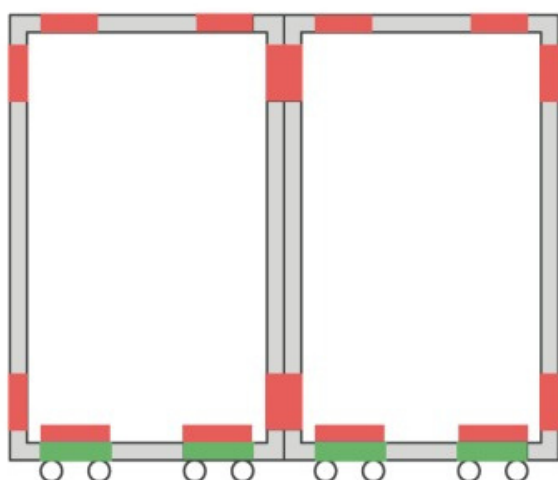
INFO

A distância necessária para instalar a tampa (TMM68) é de 50 mm, Pode-se utilizar a tampa como gabarito para posicionar a altura do reforço.

PORTA/JANELA DE CORRER EURO 32

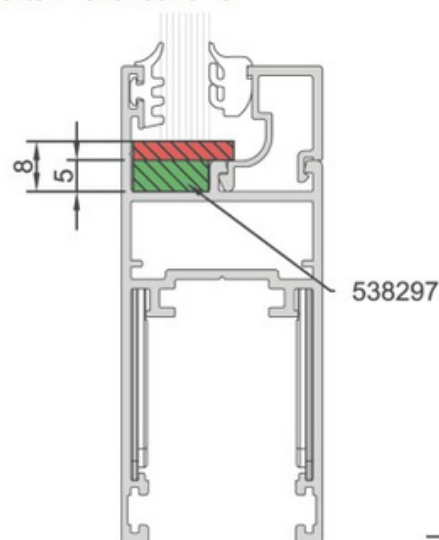
INSTRUÇÕES DE MONTAGEM (REFORÇO)

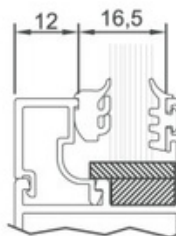
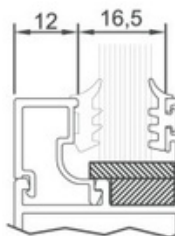
Calços de vidro			
Código	Medida	Tipo	
538287	100x12x5	Calço	
538303	100x15x3	Ponte	



Outros calços de vidro		
Código	Medida	
538299	100x15x1	
538301	100x15x2	
538305	100x15x4	
538308	100x15x5	

Corte calço do vidro
Parte inferior da folha



8 mm		10 mm	
	BOR03		BOR03
	BOR02		BOR04
	ES-901		ES-901
			



INFO

Os calços de vidro na parte inferior devem estar posicionados na direção das roldanas.

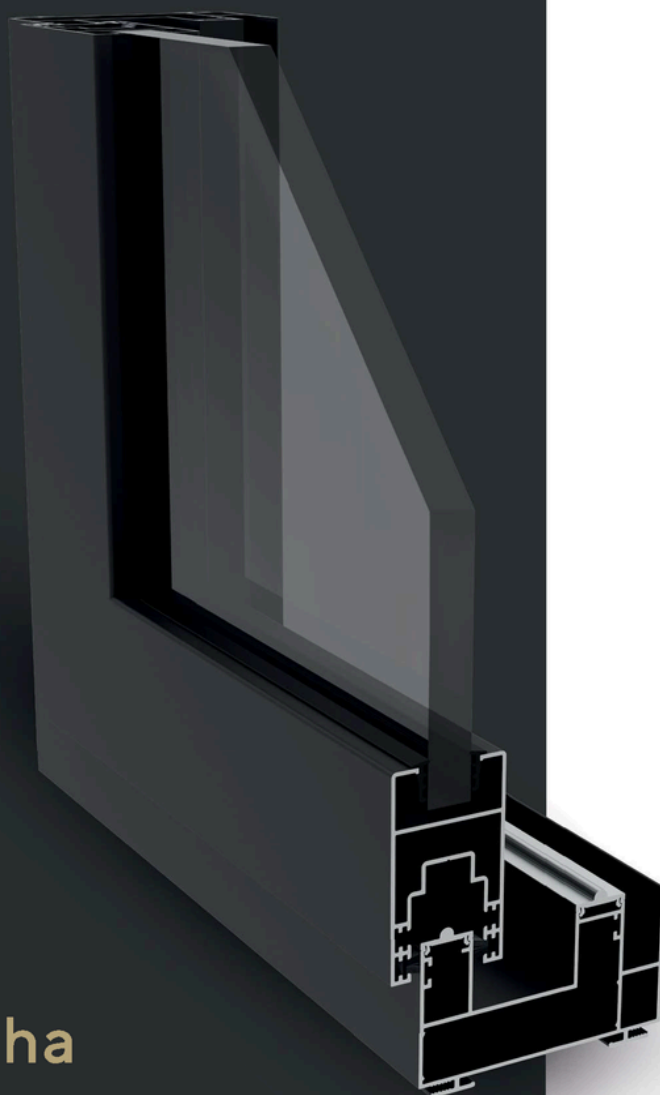
O calço 538297 deve estar posicionado como calço de vidro + calço de base.

Usar parafusos 3.5x13

MAPA DE
PERFIS

Tecnologia para **esquadrias**

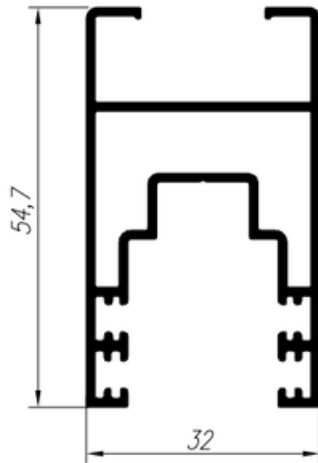
Linha
32 Euro MINIMAL



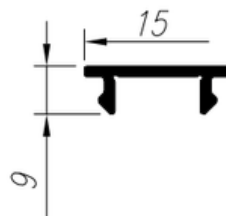
EURO 32 MINIMAL



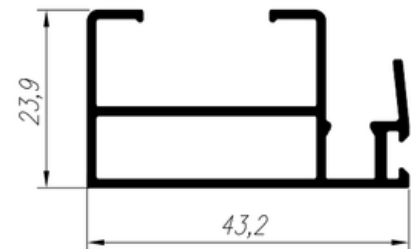
PERFIS



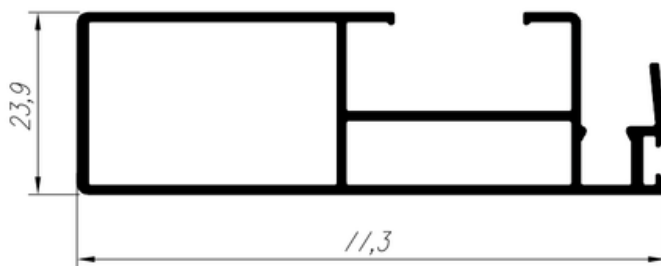
FOLHA JANELA
ES-3362
0,803 kg/m



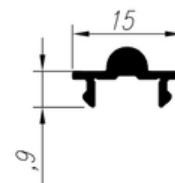
TRILHO
ES-3502
0,068 kg/m



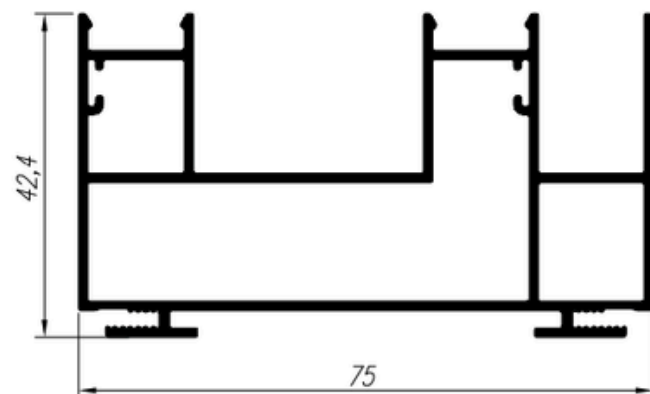
MONTANTE
ES-3364
0,506 kg/m



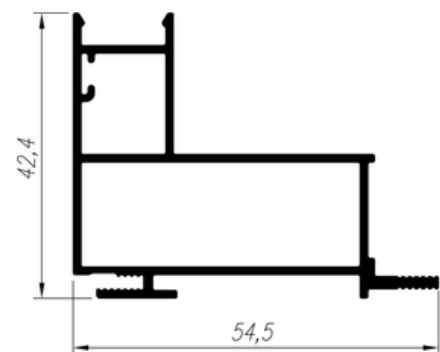
MONTANTE
ES-3365
0,814 kg/m



TRILHO
ES-3503
0,106 kg/m



MARCO SUP/INF/LAT
ES-3501
1,147 kg/m

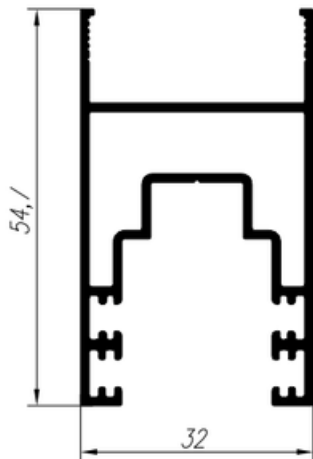


MARCO MONOVIA
ES-3505
0,700 kg/m

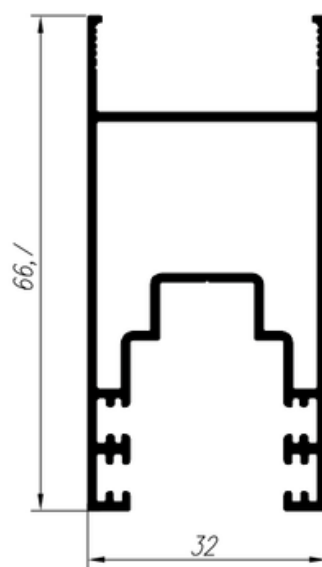
EURO 32 MINIMAL



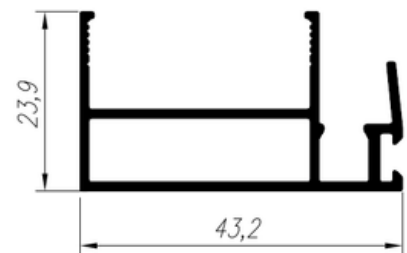
PERFIS



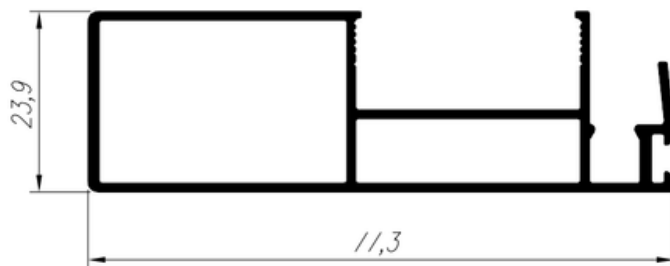
FOLHA JANELA
ES-3507
0,762 kg/m



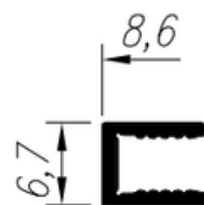
FOLHA PORTA
ES-3508
0,840 kg/m



MONTANTE
ES-3509
0,746 kg/m



MONTANTE
ES-3510
0,772 kg/m



CLICK
ES-3517
0,071 kg/m

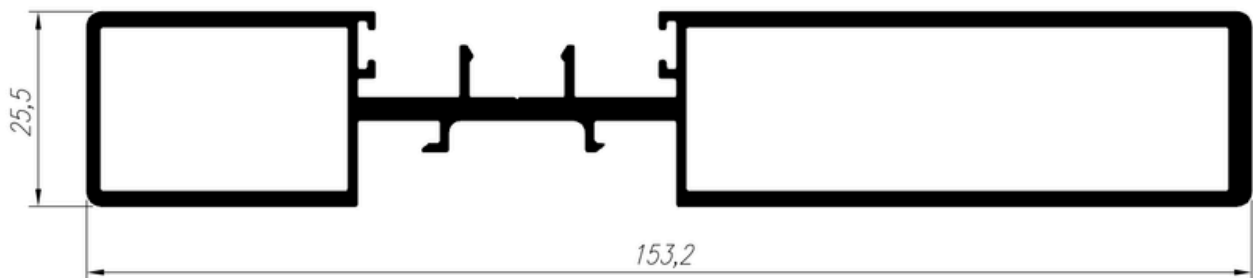


MONTANTE
ES-3511
1,173 kg/m

EURO 32 MINIMAL



PERFIS



FECHAMENTO CENTRAL

ES-3516

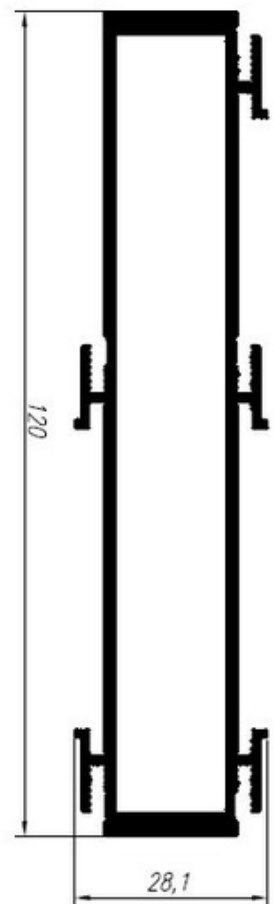
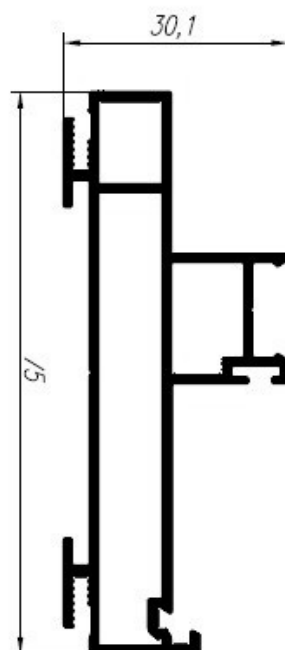
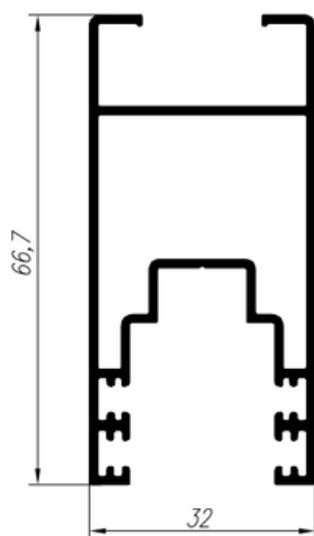
2,082 kg/m



MONTANTE

ES-3629

1,216 kg/m



FOLHA PORTA

ES-3630

0,880 kg/m

MARCO FIXO

ES-3515

0,869 kg/m

TRAVESSA

ES-3506

1,544 kg/m

EURO 32 MINIMAL



ACESSÓRIOS



CALCO ANTIDESLOCAMENTO
SUP/INF
ACCALC00059



CONEXAO UNIAO 45
15,5MMX53MM
ACCONE00058



ACABAMENTO C/ABA 32X21
ACTAMP00191



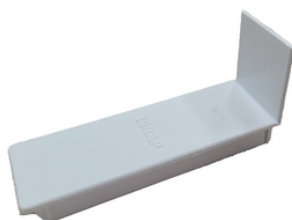
ACABAMENTO GUIA JANELA
DIR/ESQ
ACTAMP00263



ACABAMENTO GUIA PORTA
DIR/ESQ
ACTAMP00254



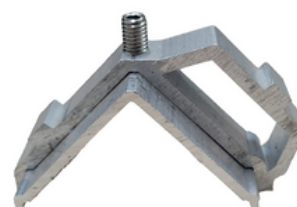
ATAMPA ACABAMENTO C/ABA 71 X 21
ACTAMP00254



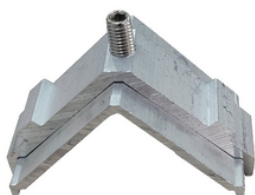
ATAMPA ACABAMENTO
C/ABA 71 X 21
ACTAMP00195



CONEXAO UNIAO 45
20,5MM X 29
ACCONE00065



CONEXAO UNIAO 45
8,5/20,5MM
ACCONE00064



CONEXAO UNIAO 45
8,5MMX29MM
ACCONE00057



CONEXAO UNIAO 45
15,5MMX53MM
ACCONE00058



ESPUMA (L)14 X (C)22X
(A)12MM
ACESPU00061

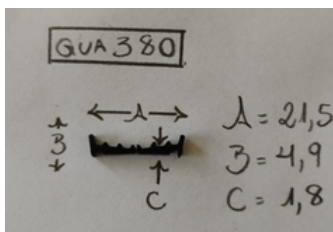
EURO 32 MINIMAL



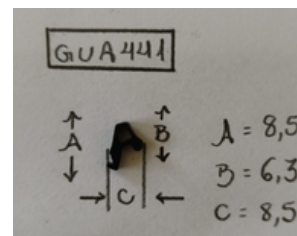
ACESSÓRIOS



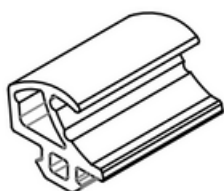
GUARNIÇÃO CORTA VENTO 42MM
INTERNA
ACGUAR00440



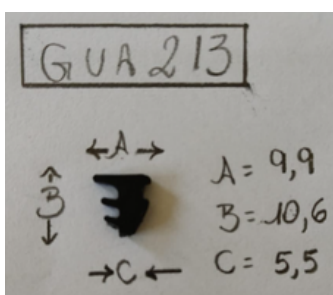
GUARNIÇÃO EPDM
GUA380



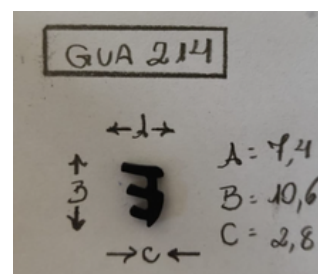
GUARNIÇÃO EPDM
GUA441



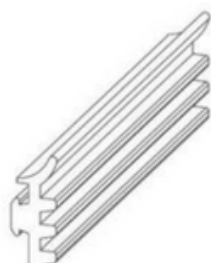
BORRACHA FOLHA INTERNA
BOR08



GUARNIÇÃO EPDM
GUA213



GUARNIÇÃO EPDM
GUA214



GUARNIÇÃO DE BORRACHA
BOR 003
GUA003



ROLDANA CORRER
REGULAVEL 120 KG
615951



CONEXÃO ALINHAMENTO
L.32
CNA06012



KIT CREMONA MULTIPONTO
1000MM LINHA 32/45
CRE-1000-AUTEM



TAMPA DE DRENO AUTEM
TDD03-012



VALVULA DE DRENO SV9-NE
VDD02-012

EURO 32 MINIMAL



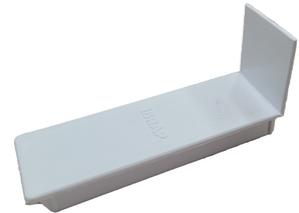
ACESSÓRIOS



CONEXAO ALINHAMENTO INOX
CNA08N-037



ESPUMA (L)14 X (C)22X (A)12MM
ACESPU00061



TAMPA C/ABA71 X 21
ACTAMP00195



ROLDANA REGULAVEL 80 KG
P/JANELA MINIMAL L.32/45
ROL-21062



ROLDANA REGULAVEL 280KG P/
PORTA MINIMAL L.32/45
ROL-20089



CREMONA 1600MM MAÇANETA
INT/EXT E CHAVE L32/45
CM21075



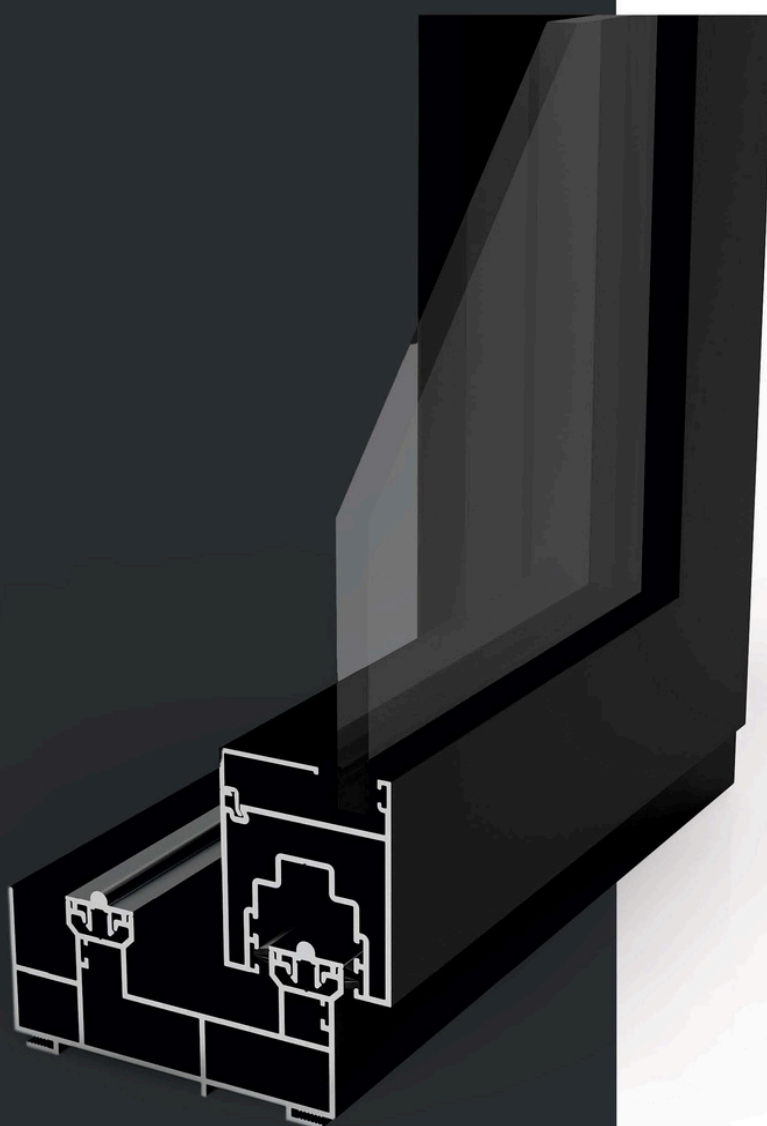
CONEXAO UNIAO 45
15,5MM X 50 MM
ACCONE00066



CONEXAO UNIAO 45
15,5MM X 40 MM
ACCONE00067

ESAF

LINHA AUTEM



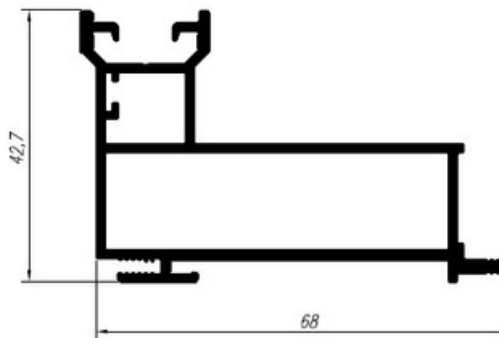
Linha
45 Euro MINIMAL

Tecnologia para **esquadrias**

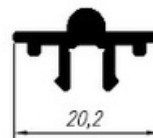
EURO 45 MINIMAL



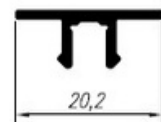
PERFIS



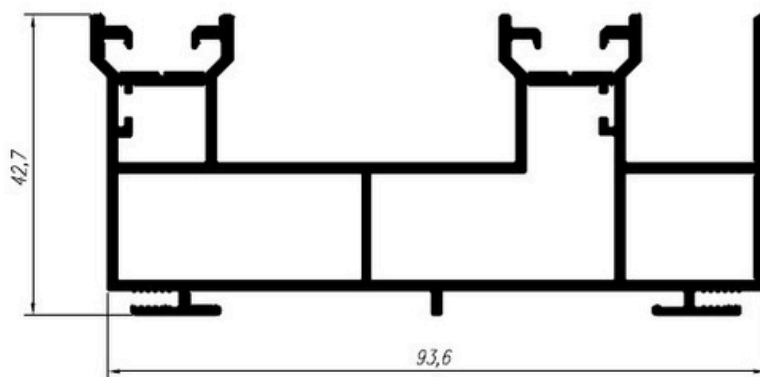
MARCO COMPLEMENTAR
ES-3372
1,011 kg/m



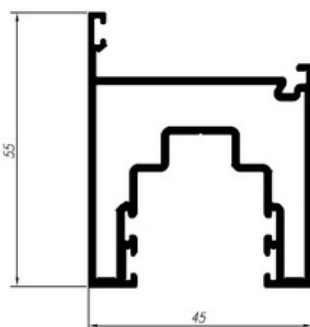
TRILHO
ES-3368
0,183 kg/m



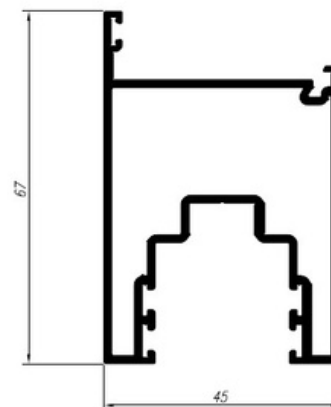
TAMPA MARCO
ES-3370
0,125 kg/m



MARCO SUPERIOR / INFERIOR / LATERAL
ES-3367
1,736 kg/m



FOLHA JANELA
ES-3369
1,085 kg/m

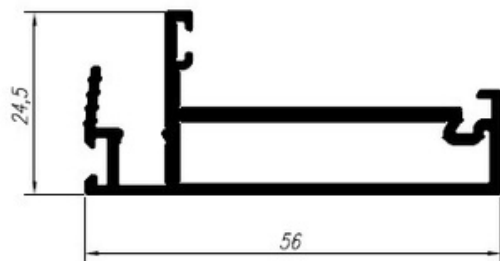


FOLHA PORTA
ES-3386
1,184 kg/m

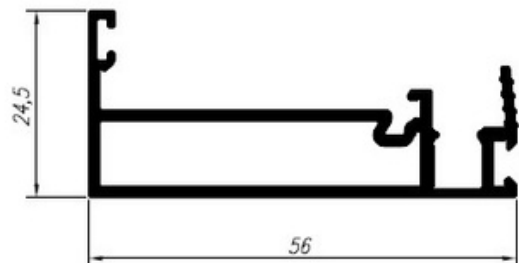
EURO 45 MINIMAL



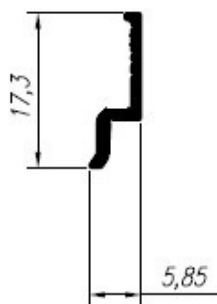
PERFIS



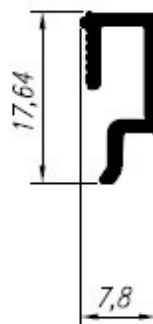
FOLHA MÃO DE AMIGO
ES-3373
0,650 kg/m



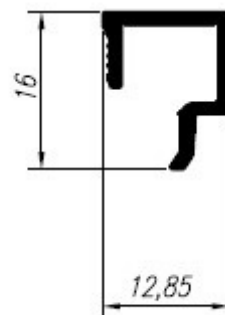
FOLHA MÃO DE AMIGO
ES-3374
0,652 kg/m



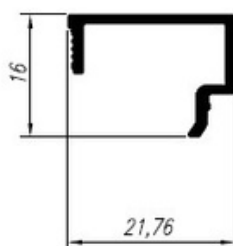
BAGUETE
ES-3512
0,072 kg/m



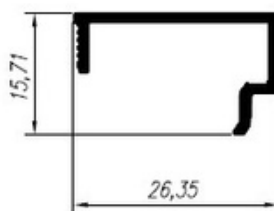
BAGUETE
ES-3521
0,118 kg/m



BAGUETE
ES-3518
0,130 kg/m



BAGUETE
ES-3520
0,159 kg/m

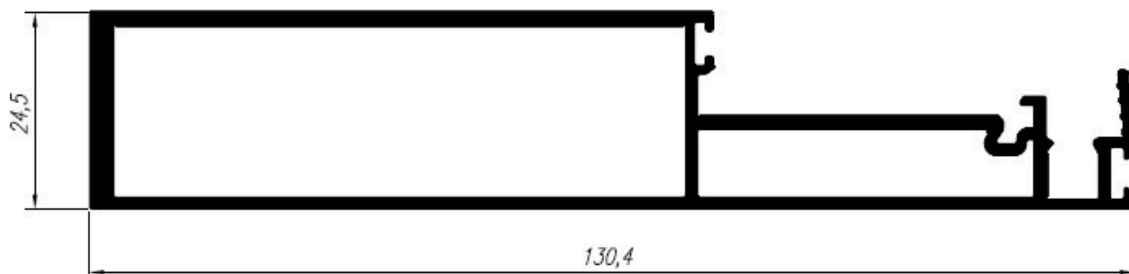


BAGUETE
ES-3379
0,174 kg/m

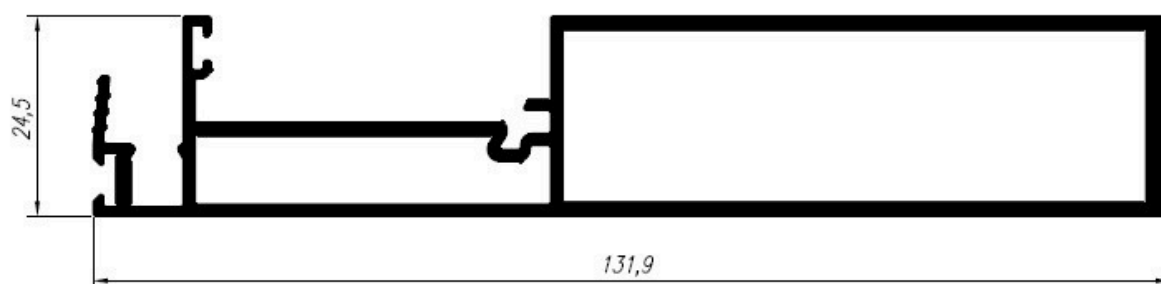
EURO 45 MINIMAL



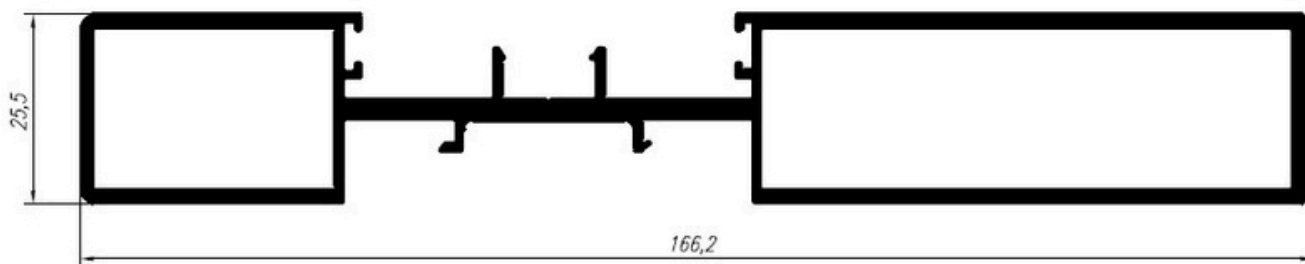
PERFIS



FOLHA MÃO DE AMIGO
ES-3377
1,432 kg/m



FOLHA MÃO DE AMIGO
ES-3378
1,491 kg/m

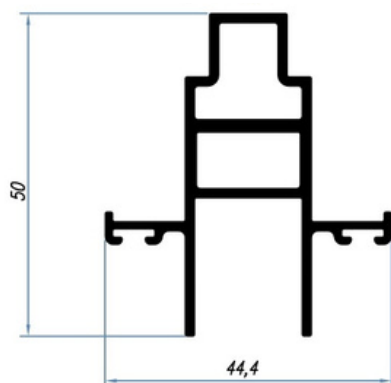


COMPLEMENTO FECHAMENTO CENTRAL
ES-3519
2,188 kg/m

EURO 45 MINIMAL



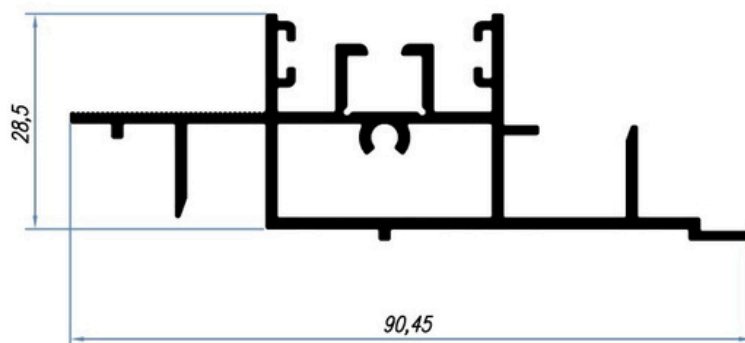
PERFIS TRILHO EMBUTIDO



COMPLEMENTO FOLHA PARA MARCO EMBUTIDO
ES-3923
0,753 kg/m



TRILHO MARCO EMBUTIDO
ES-3739
0,085 kg/m

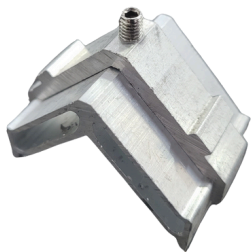


MARCO EMBUTIDO MODULAR
ES-3924
0,982 kg/m

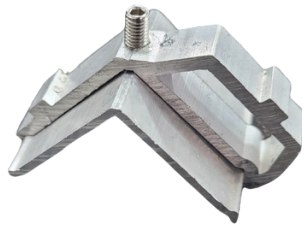
EURO 45 MINIMAL



ACESSÓRIOS



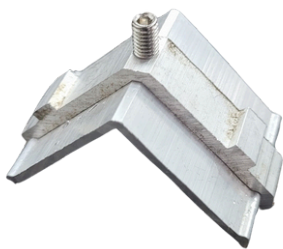
CONEXÃO UNIAO 45
15,5MMX34MM
ACCONE00059



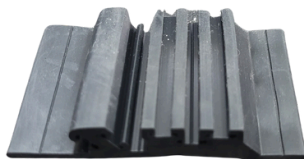
CONEXÃO UNIAO 45
8,5MM X 20,5 MMX 35
ACCONE00060



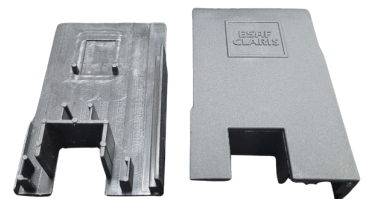
CONEXÃO UNIAO 45
20,5MM X 35 MM
ACCONE00061



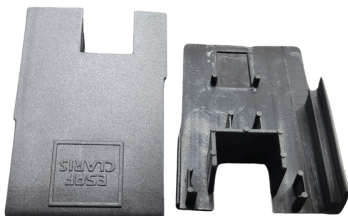
CONEXÃO UNIAO 45
8,5X 35MM
ACCONE00069



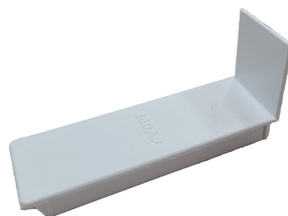
GUARNIÇÃO CORTA
VENTO 42MM INTERNA
ACGUAR00438



ACABAMENTO GUIA
PORTA DIR/ESQ
ACTAMP00253



ACABAMENTO GUIA
JANELA DIR/ESQ
ACTAMP00260



TAMPA C/ABA71 X 21
ACTAMP00195



ESPUMA (L)14 X (C)22X
(A)12MM
ACESPU00061

EURO 45 MINIMAL



ACESSÓRIOS



CONEXAO UNIAO 45
15,5MMX53MM
ACCONE00058



ACABAMENTO C/ABA 32X21
ACTAMP00191



CONEXAO ALINHAMENTO INOX
CNA08N-037



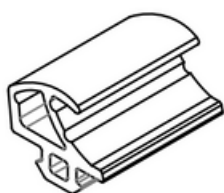
ROLDANA REGULAVEL 80 KG
P/JANELA MINIMAL L.32/45
ROL-21062



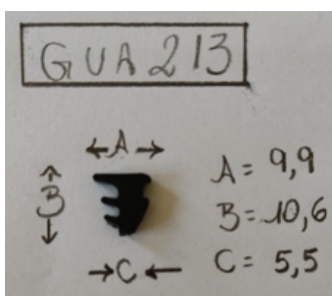
ROLDANA REGULAVEL 280KG P/
PORTA MINIMAL L.32/45
ROL-20089



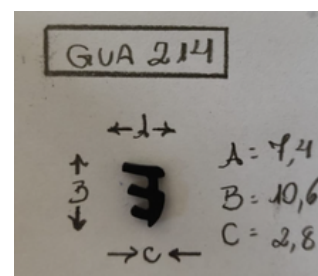
CREMONA 1600MM MAÇANETA
INT/EXT E CHAVE L32/45
CM21075



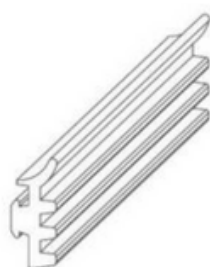
BORRACHA FOLHA INTERNA
BOR08



GUARNICAO EPDM
GUA213



GUARNICAO EPDM
GUA214



GUARNICAO DE BORRACHA
BOR 003
GUA003

PERFIS EM ALUMÍNIO

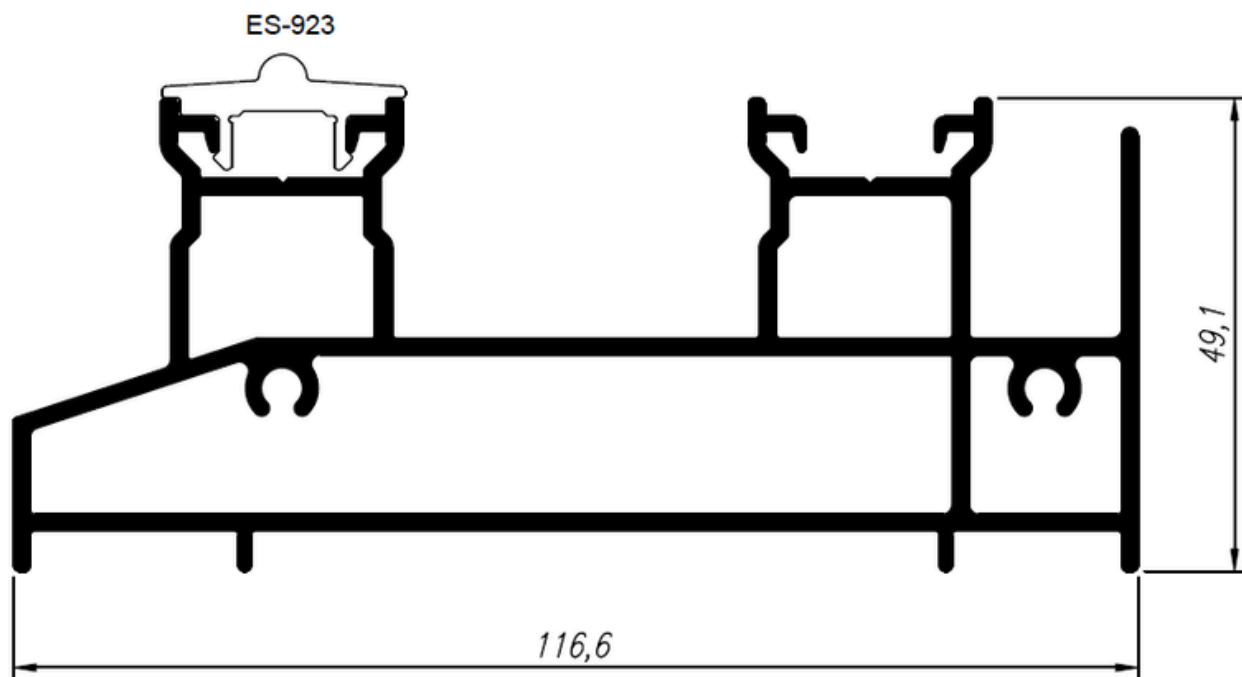
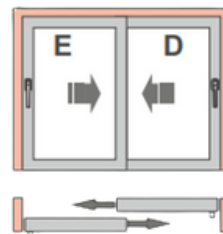
Euro 45

Tecnologia para
portas e janelas

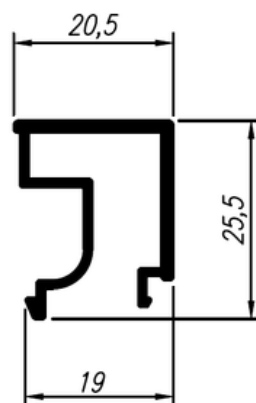
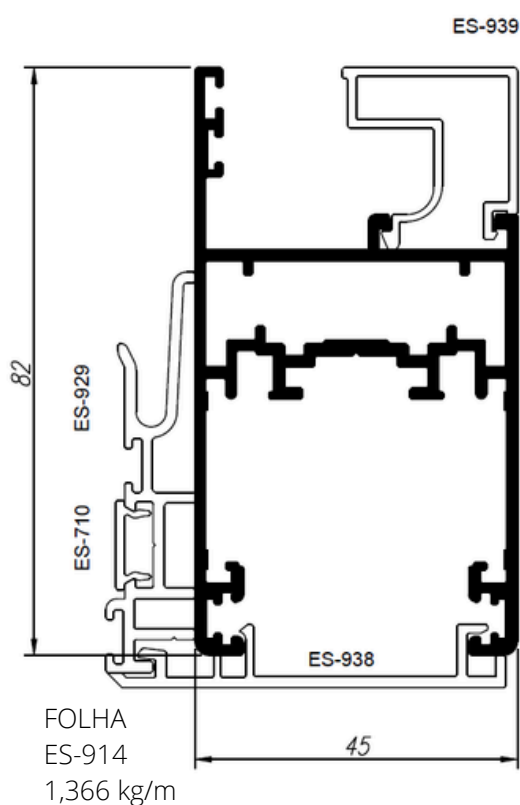


AUTEM

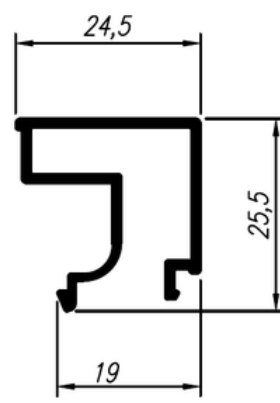
JANELA DE CORRER 2 FOLHAS EURO 45



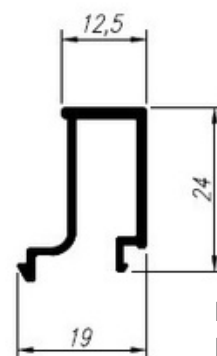
MARCO TRILHO
ES-913
2,355 kg/m



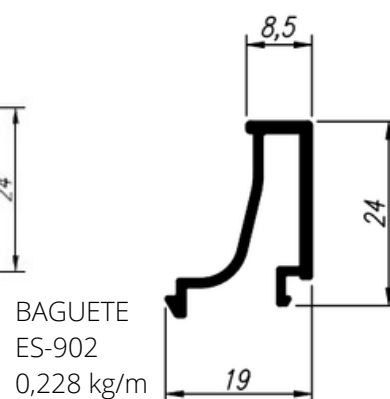
BAGUETE
ES-900
0,297 kg/m



BAGUETE
ES-939
0,301 kg/m

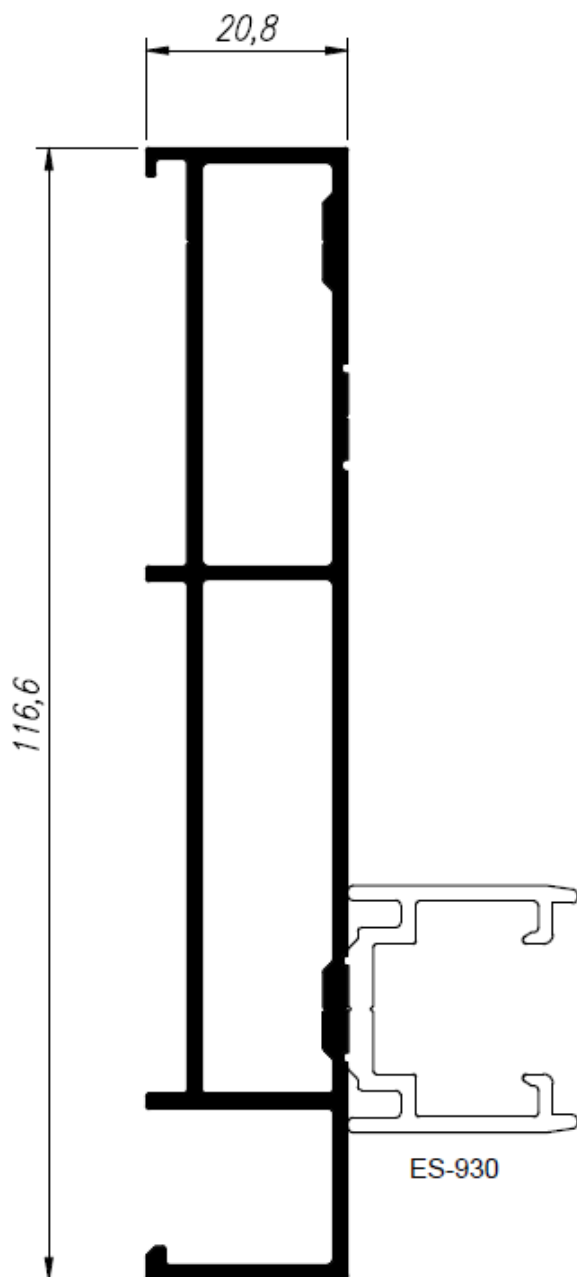
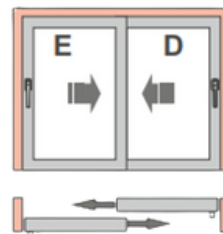


BAGUETE
ES-901
0,240 kg/m

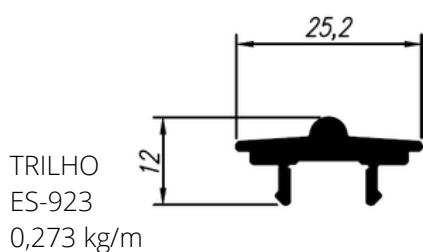


BAGUETE
ES-902
0,228 kg/m

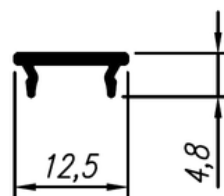
JANELA DE CORRER 2 FOLHAS EURO 45



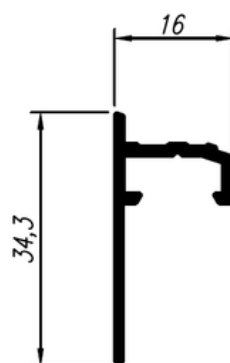
MARCO LATERAL
ES-925
1,291 kg/m



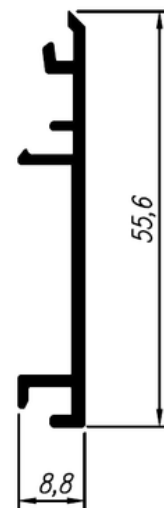
TRILHO
ES-923
0,273 kg/m



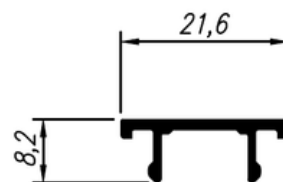
ACABAMENTO
ES-710
0,058 kg/m



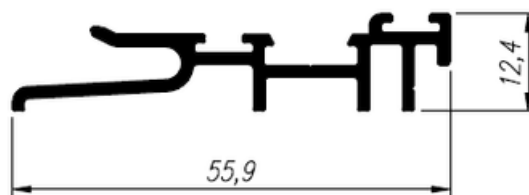
PINGADEIRA
ES-922
0,211 kg/m



TAMPA FOLHA
ES-938
0,331 kg/m



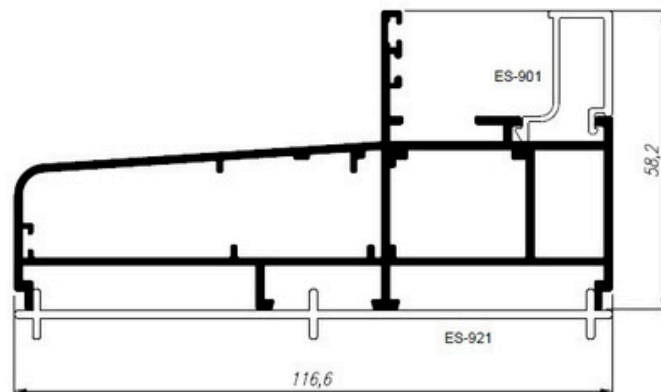
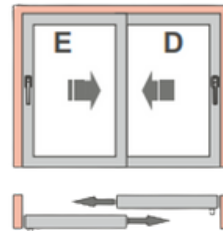
TAMPA
ES-936
0,136 kg/m



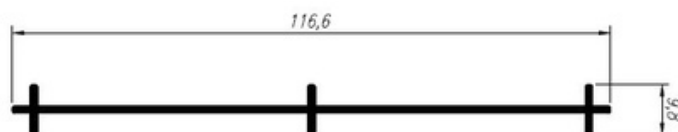
MÃO AMIGO
ES-929
0,456 kg/m

JANELA DE CORRER

2 FOLHAS EURO 45



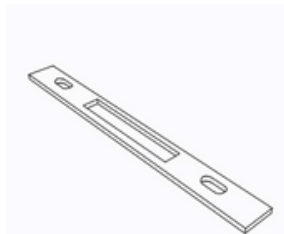
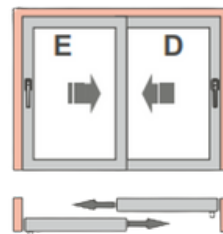
FIXO
ES-916
1,804 kg/m



COMPLEMENTO MODULO
ES-921
0,573 kg/m

PORTA/JANELA DE CORRER 2 FOLHAS EURO 45

ACESSÓRIOS



CONTRA FECHO
Cód: N69



CALCO APOIO PARA
CREMONA
MULTIPONTO L.45
Cód: CM09-AUTEM



ROLDANA CORRER
REGULAVEL 120 KG
Cód: 615951



TAMPA DE DRENO
Cód: TDD03-012



CONEXAO ALINHAMENTO
L.45
Cód: CNA04



TAPA PERFIL DUPLA
FACE L.45
Cód: VDS18



KIT CREMONA MULTIPONTO
L45
Cód: CRE-1000-AUTEM 1000mm



MACANETA R-LINE EIXO
24MM M5 X 35-R06.2M PT
Cód: 794357



CALCO ROLDANA
CORRER 50/120 KG
Cód: 642371



GUIA SUP/INF /JANELA L.45
Cód: GUI71



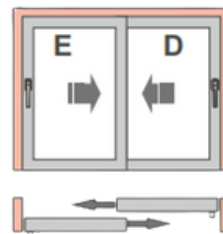
GUIA SUPERIOR
Cód: GUI57-012



CONEXAO ALINHAMENTO
INOX-L.45
Cód: CNA08N-037

PORTA/JANELA DE CORRER 2 FOLHAS EURO 45

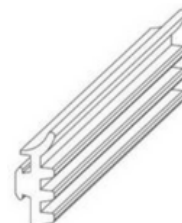
ACESSÓRIOS



VALVULA DE DRENO
SV9-NE
Cód: VDD02-012



TOPE DE FOLHA DE
CORRER . PRETO R06,2
Cód: TOP3355



GUARNICAO DE
BORRACHA BOR 003
Cód: GUA003



BORRACHA MAO DE AMIGO
DE CORRER L.45
Cód: BOR06



FITA VEDADORA 7X6



PARAFUSO 4,2X32



PARAFUSO 3,5X13



GUIA -INJ. PRETO
Cód: GUI56012-U



BORRACHA VIDRO
INTERIO 4MM L.45
Cód: BOR04



BORRACHA VIDRO
INFERIOR 6MM L.45
Cód: BOR02



CONEXAO DE ALUMINIO
UNIAO 45 GRAUS
Cód: CNF01N-042

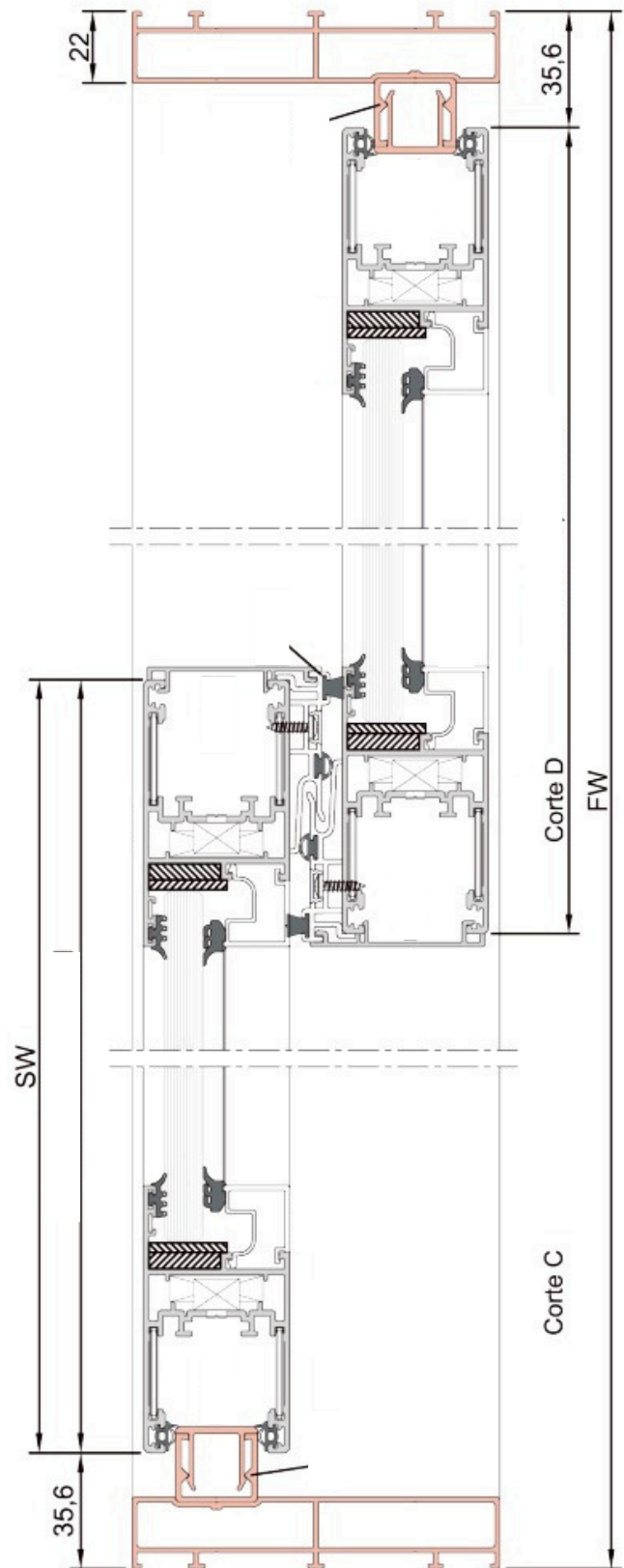
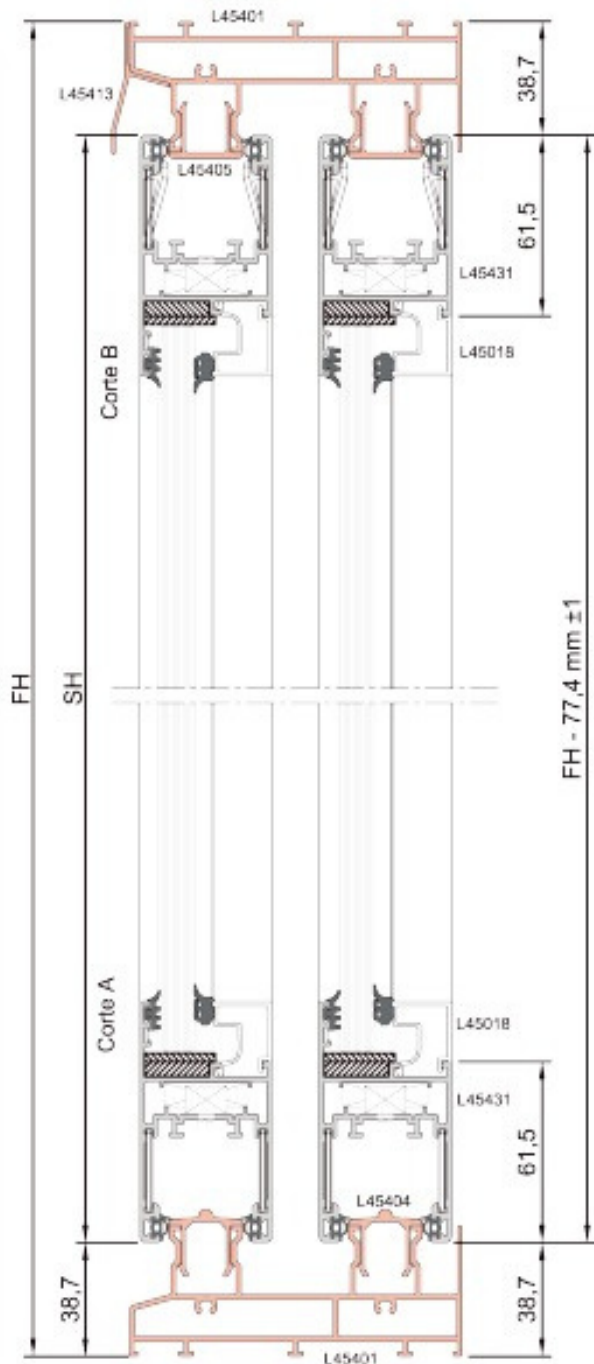
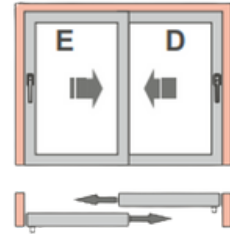


CONJUNTO VEDACAO EC-45
Cód: VDS09012-U



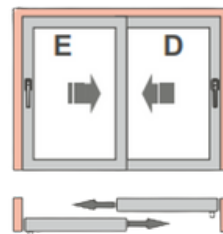
KIT CREMONA 3 PONTOS
L32/45 COM E SEM CHAVE
Cód: CRE1600

JANELA DE CORRER 2 FOLHAS EURO 45



JANELA DE CORRER

2 FOLHAS EURO 45



FOLGA DO VIDRO

LARGURA DO ES-914 $-129,3 \rightarrow$
 $752,3 - 129,3 = 623$

ALTURA DO ES-914 $-129 \rightarrow 1116 -$
 $129 = 987$

Referências de Cotas	
SW	$FW/2+2,3 \pm 1$
SH	$FH-84 \pm 1$
H	$FH \pm 1$
L	$FW \pm 1$

EXEMPLO: JANELA DE CORRER 2 FOLHAS 1500 X1200 ES-913 $\rightarrow 1500 - 41,6 = 1458,4$ (X2)

ES-922 $\rightarrow 1500 - 41,6 = 1458,4$ (X1)

ES-710 $\rightarrow 1500 - 41,6 = 1458,4$ (X1)

ES-936 $\rightarrow 1500 - 41,6 = 1458,4$ (X2)

ES-936 $\rightarrow 1200 - 99,4 = 1100,6$ (X2)

ES-923 $\rightarrow 1500 - 65,2 = 1434,8$ (X2)

ES-925 $\rightarrow$ SEM FOLGA (X2)

ES-930 $\rightarrow 1200 - 99,4 = 1100,6$ (X2)

ES-914 $\rightarrow 1500/2 = 750 + 2,3 = 752,3$ (X4)

ES-914 $\rightarrow 1200 - 84 = 1116$ (X4)

ES-929 $\rightarrow 1200 - 84 = 1116$ (X2)

ES-710 $\rightarrow 1200 - 84 = 1116$ (X2)

ES-938 $\rightarrow 1116 - 55,6 = 1060,4$ (X2)

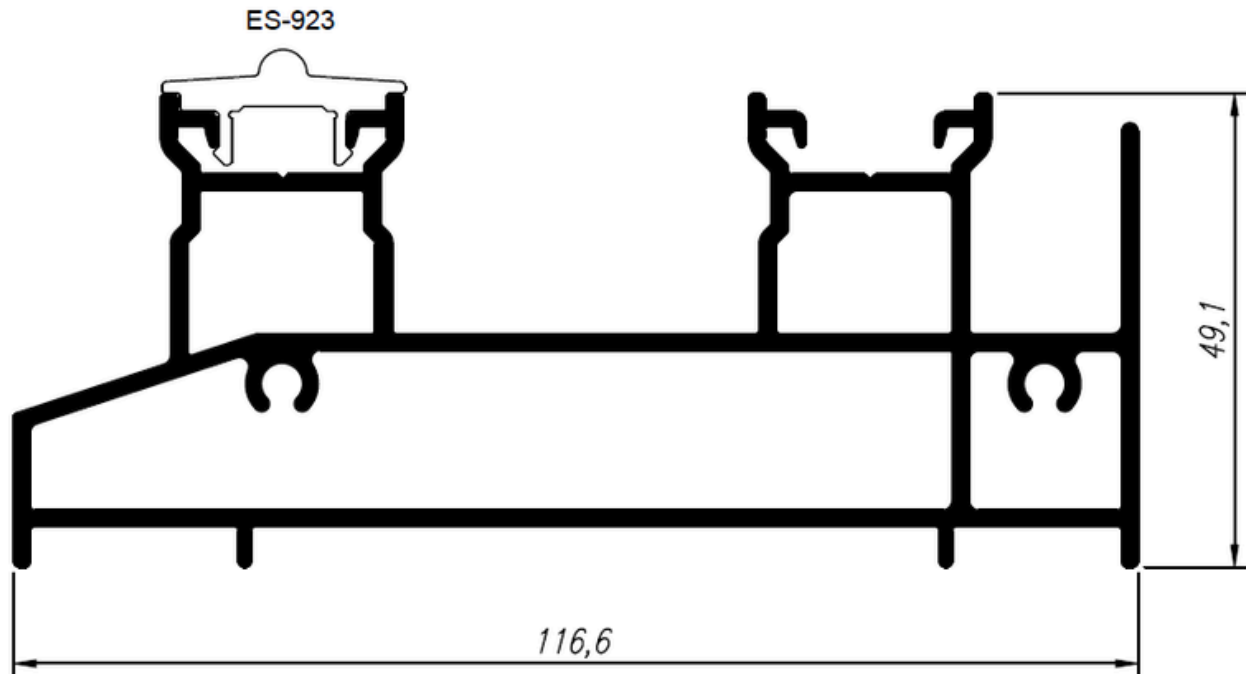
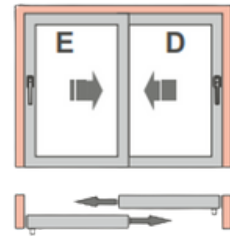
ES-900 $\rightarrow 752,3 - 124 = 628,3$ (X4)

ES-900 $\rightarrow 1116 - 165 = 951$ (X4)

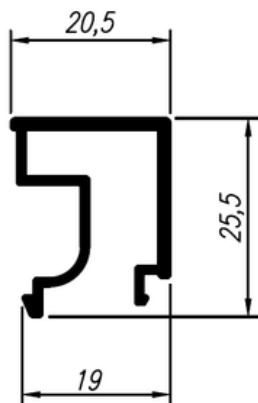
Formulas de Corte Perfis

Perfil	Tipo de corte	Horizontal (FW)		Vertical (FH)	
		Quantidade	Formula de corte	Quantidade	Formula de corte
ES-913		2	$FW-41,6 \pm 1$		
ES-922		1	$FW-41,6 \pm 1$		
ES-710		1	$FW-41,6 \pm 1$		
ES-936		2	$FW-41,6 \pm 1$	2	$FH-99,4 \pm 1$
ES-923		2	$FW-65,2 \pm 1$		
ES-925				2	$FH \pm 1$
ES-930				2	$FH-99,4 \pm 1$
ES-914		4	$SW \pm 1$	4	$SH \pm 1$
ES-929				2	$SH \pm 1$
ES-710				2	$SH \pm 1$
ES-938				2	$SH-55,6 \pm 1$
ES-900		4	$SW-124 \pm 1$	4	$SH-165 \pm 1$

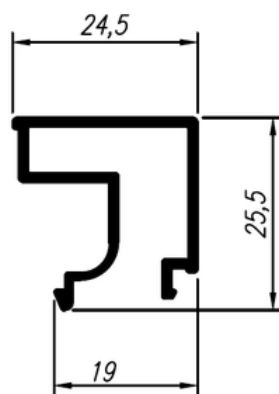
PORTA DE CORRER 2 FOLHAS EURO 45



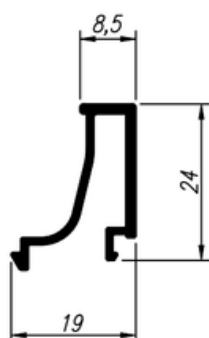
MARCO TRILHO
ES-913
2,355 kg/m



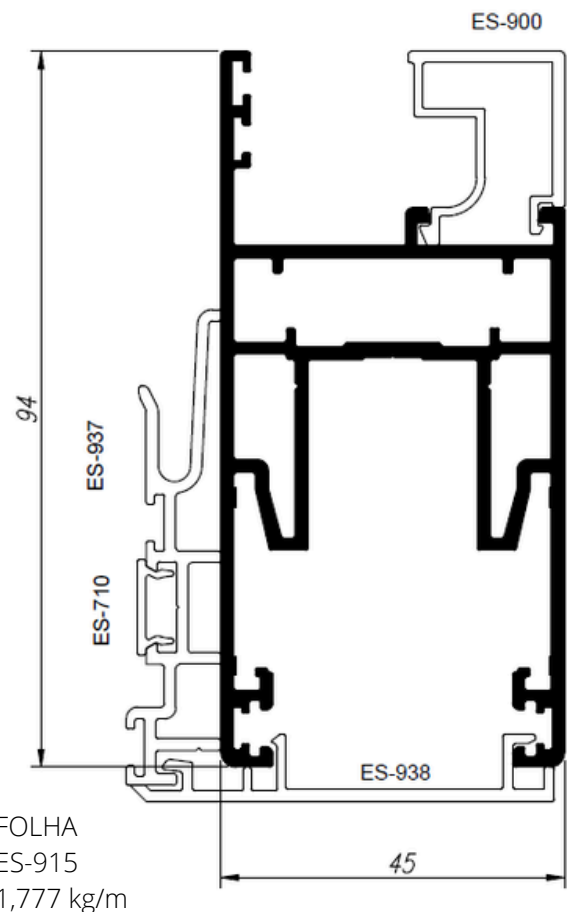
BAGUETE
ES-900
0,297 kg/m



BAGUETE
ES-939
0,301 kg/m

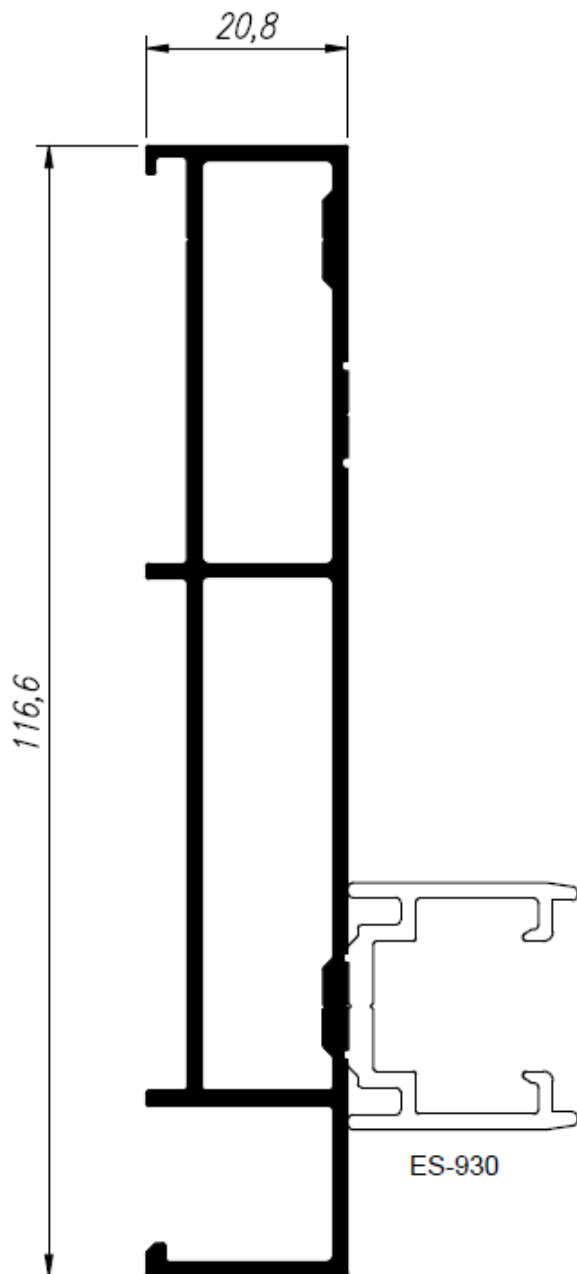
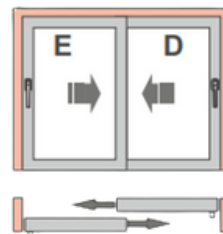


BAGUETE
ES-902
0,228 kg/m

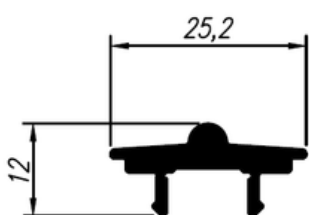


FOLHA
ES-915
1,777 kg/m

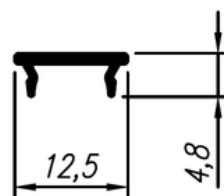
PORTA DE CORRER 2 FOLHAS EURO 45



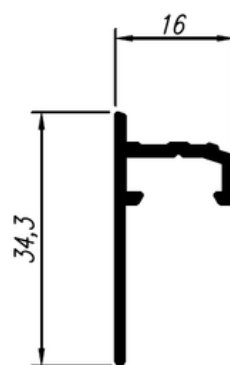
MARCO LATERAL
ES-925
1,291 kg/m



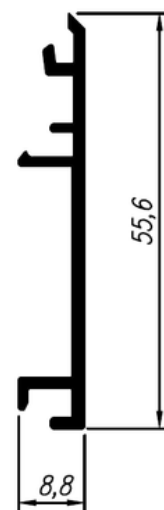
TRILHO
ES-923
0,273 kg/m



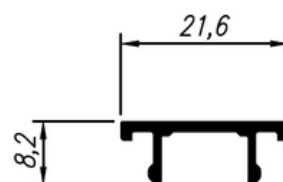
ACABAMENTO
ES-710
0,058 kg/m



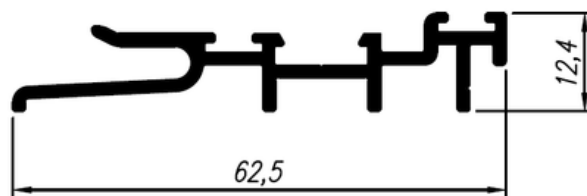
PINGADEIRA
ES-922
0,211 kg/m



TAMPA FOLHA
ES-938
0,331 kg/m



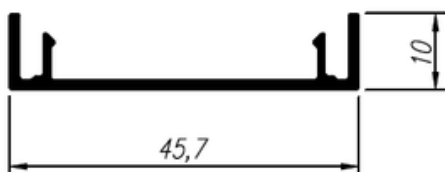
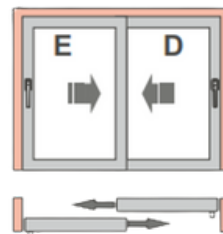
TAMPA
ES-936
0,136 kg/m



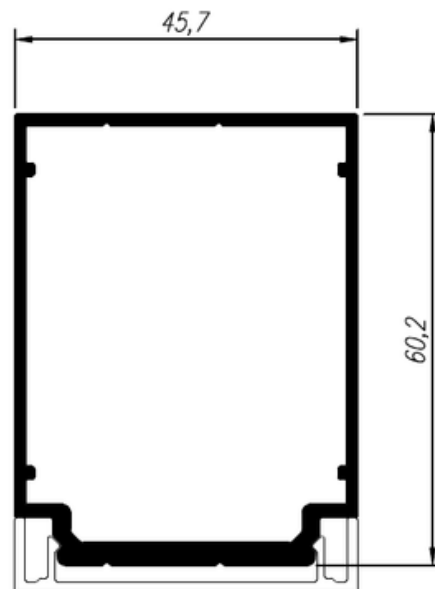
MÃO AMIGO
ES-937
0,498 kg/m

PORTA DE CORRER 2 FOLHAS EURO 45

PERFIL DE REFORÇO

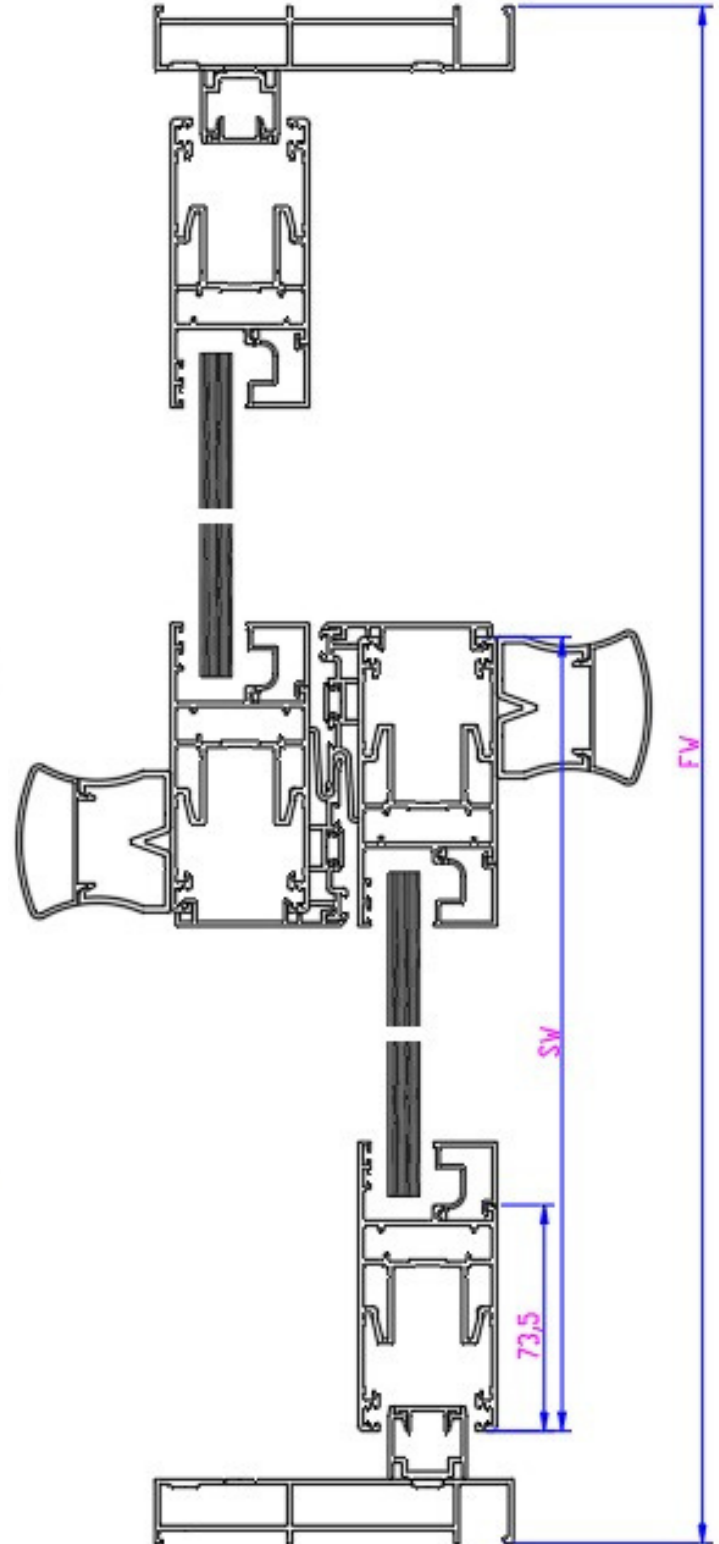
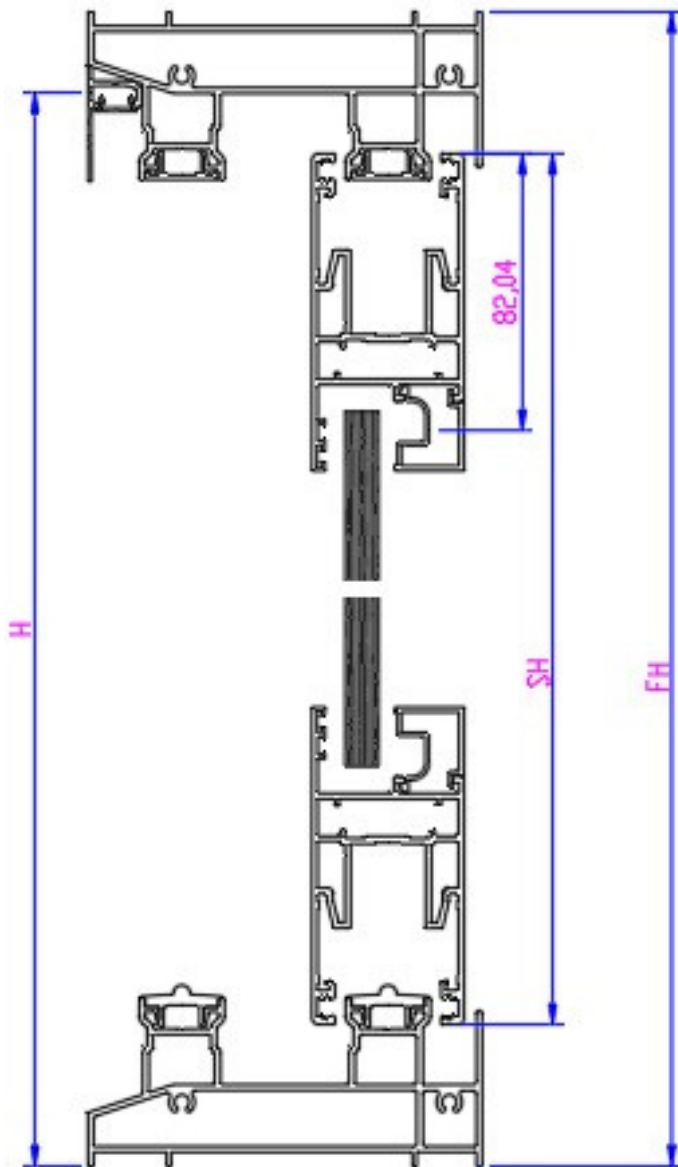
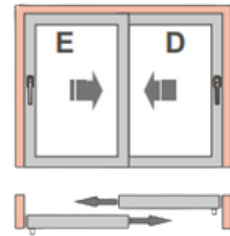


TAMPA REFORÇO
ES-1599
0,276 kg/m



REFORÇO
ES-1600
0,977 kg/m

PORTA DE CORRER 2 FOLHAS EURO 45



PORTA DE CORRER 2 EURO 45



CONEXAO ALINHAMENTO
INOX-L.45
Cód: CNA08N-037



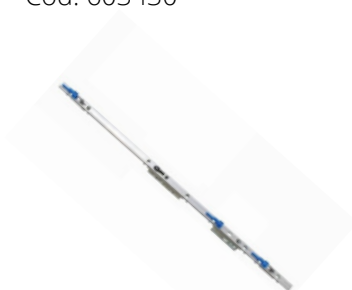
ROLDANA CORRER
REGULAVEL 200 KG
Cód: 603430



CALCO ROLDANA CORRER
200 KG
Cód: 634505

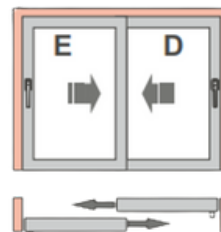


CALCO APOIO PARA
CREMONA
MULTIPONTO L.45
Cód: CM09-AUTEM



KIT CREMONA 3 PONTOS
L32/45 COM E SEM CHAVE
Cód: CRE1600

PORTA DE CORRER 2 FOLHAS EURO 45



FOLGA DO VIDRO

LARGURA DO ES-915 –153,3 ->
758,3 –153,3 = 605

ALTURA DO ES-915 –153 -> 2116 –
153 = 1963

Referências de Cotas

SW	FW/2+8,3 ±1
SH	FH-84 ±1
H	FH ±1
L	FW ±1

EXEMPLO: PORTA DE CORRER 2 FOLHAS 1500 X2200 ES-913 -> 1500 –41,6 = 1458,4 (X2)

ES-922 -> 1500 –41,6 = 1458,4 (X1)

ES-710 -> 1500 –41,6 = 1458,4 (X1)

ES-936 -> 1500 –41,6 = 1458,4 (X2)

ES-936 -> 2200 –99,4 = 2100,6 (X2)

ES-923 -> 1500 –65,2 = 1434,8 (X2)

ES-925 -> SEM FOLGA (X2)

ES-930 -> 2200 –99,4 = 2100,6 (X2)

ES-915 -> 1500/2 = 750 + 8,3 = 758,3 (X4)

ES-915 -> 2200 –84 = 2116 (X4)

ES-937 -> 2200 –84 = 2116 (X2)

ES-710 -> 2200 –84 = 2116 (X2)

ES-938 -> 2116 –55,6 = 2060,4 (X2)

ES-900 -> 758,3 –124 = 634,3 (X4)

ES-900 -> 2116 –165 = 1951 (X4)

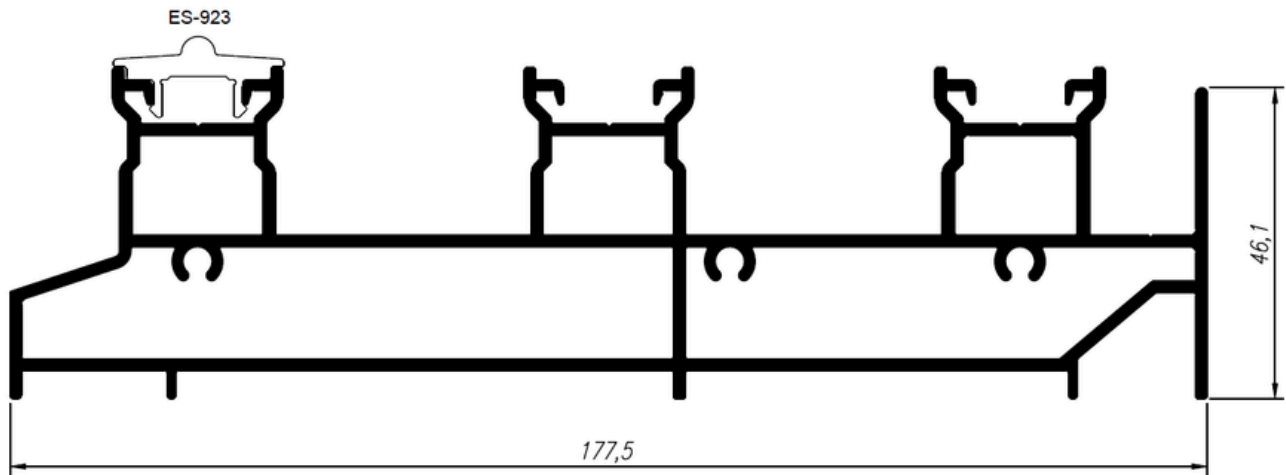
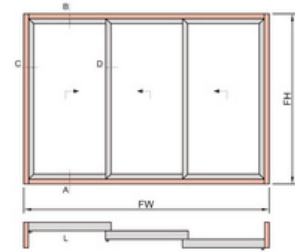
ES-1599 -> 2116 –99 = 2017 (X1)

ES-1600 -> 2116 –99 = 2017 (X1)

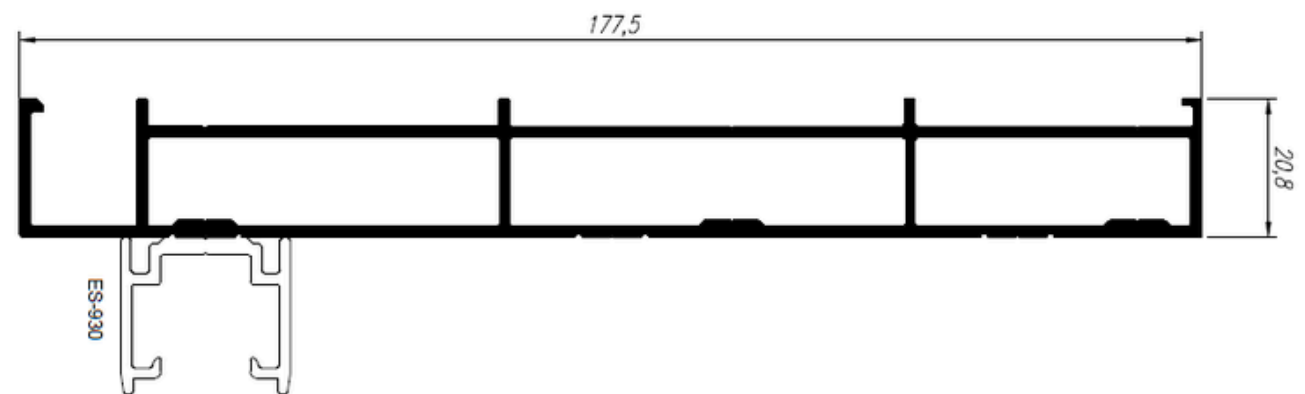
Formulas de Corte Perfis

Perfil	Tipo de corte	Horizontal (FW)		Vertical (FH)	
		Quantidade	Formula de corte	Quantidade	Formula de corte
ES-913		2	FW-41,6 ±1		
ES-922		1	FW-41,6 ±1		
ES-710		1	FW-41,6 ±1		
ES-936		2	FW-41,6 ±1	2	FH-99,4 ±1
ES-923		2	FW-65,2 ±1		
ES-925				2	FH ±1
ES-930				2	FH-99,4 ±1
ES-915		4	SW ±1	4	SH ±1
ES-937				2	SH ±1
ES-710				2	SH ±1
ES-938				2	SH-55,6 ±1
ES-900		4	SW-124 ±1	4	SH-165 ±1
ES-725				2	SH-99 ±1
ES-903				2	SH-99 ±1

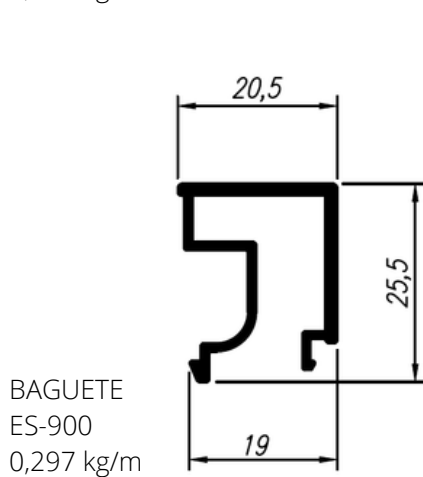
JANELA DE CORRER 3 FOLHAS EURO 45



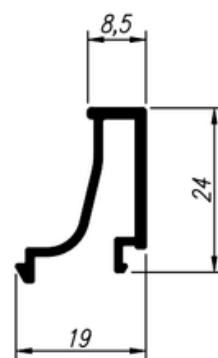
MARCO TRILHO
ES-1221
3,313 kg/m



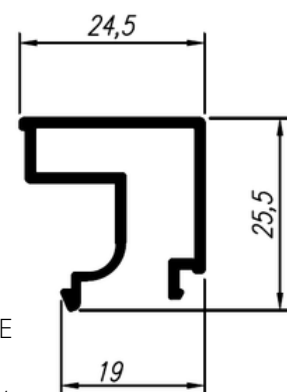
MARCO LATERAL
ES-1222
1,909 kg/m



BAGUETE
ES-900
0,297 kg/m

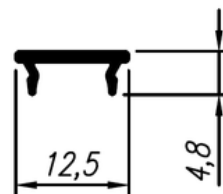
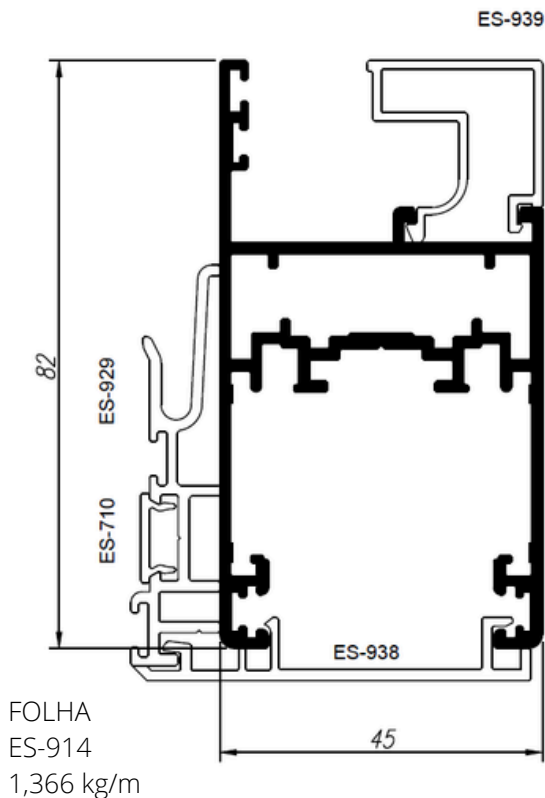
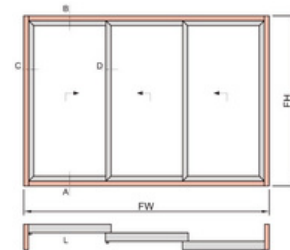


BAGUETE
ES-902
0,228 kg/m

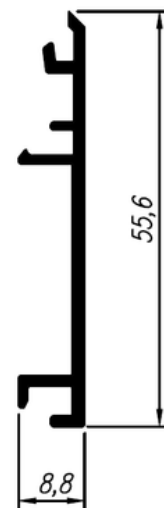


BAGUETE
ES-939
0,301 kg/m

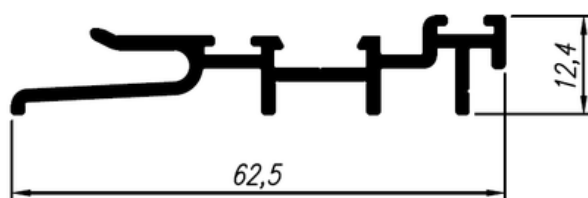
JANELA DE CORRER 3 FOLHAS EURO 45



ACABAMENTO
ES-710
0,058 kg/m

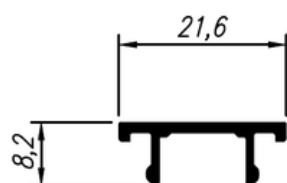
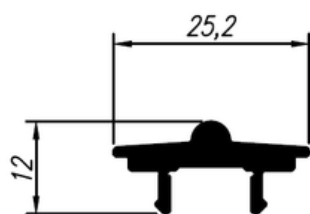


TAMPA FOLHA
ES-938
0,331 kg/m

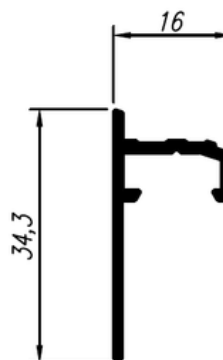


MÃO AMIGO
ES-937
0,498 kg/m

TRILHO
ES-923
0,273 kg/m



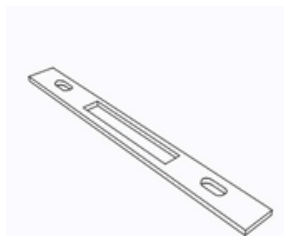
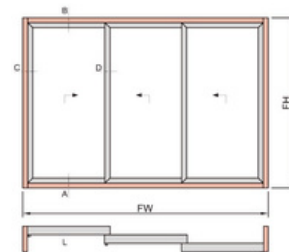
TAMPA
ES-936
0,136 kg/m



PINGADEIRA
ES-922
0,211 kg/m

PORTA/JANELA DE CORRER 3 FOLHAS EURO 45

ACESSÓRIOS



CONTRA FECHO
Cód: N69



CALCO APOIO PARA
CREMONA
MULTIPONTO L.45
Cód: CM09-AUTEM



ROLDANA CORRER
REGULAVEL 120 KG
Cód: 615951



TAMPA DE DRENO
Cód: TDD03-012



CONEXAO ALINHAMENTO
L.45
Cód: CNA04



TAPA PERFIL DUPLA
FACE L.45 3 GUIA
Cód: VDS17-012



KIT CREMONA MULTIPONTO
L45
Cód: CRE-1000-AUTEM 1000mm



MACANETA R-LINE EIXO
24MM M5 X 35-R06.2M PT
Cód: 794357



CALCO ROLDANA
CORRER 50/120 KG
Cód: 642371



GUIA SUP/INF /JANELA L.45
Cód: GUI71



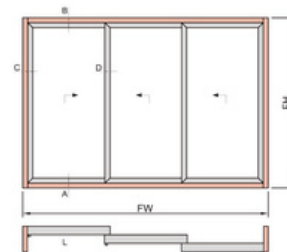
GUIA SUPERIOR
Cód: GUI57-012



CONEXAO ALINHAMENTO
INOX-L.45
Cód: CNA08N-037

PORTA/JANELA DE CORRER 3 FOLHAS EURO 45

ACESSÓRIOS



VALVULA DE DRENO
SV9-NE
Cód: VDD02-012



TOPE DE FOLHA DE
CORRER . PRETO R06,2
Cód: TOP3355



GUARNICAO DE
BORRACHA BOR 003
Cód: GUA003



BORRACHA MAO DE AMIGO
DE CORRER L.45
Cód: BOR06



FITA VEDADORA 7X6



PARAFUSO 4,2X32



PARAFUSO 3,5X13



GUIA -INJ.PRETO
Cód: GUI56012-U



BORRACHA VIDRO
INTERIO 4MM L.45
Cód: BOR04



BORRACHA VIDRO
INFERIOR 6MM L.45
Cód: BOR02



CONEXAO DE ALUMINIO
UNIAO 45 GRAUS
Cód: CNF01N-042

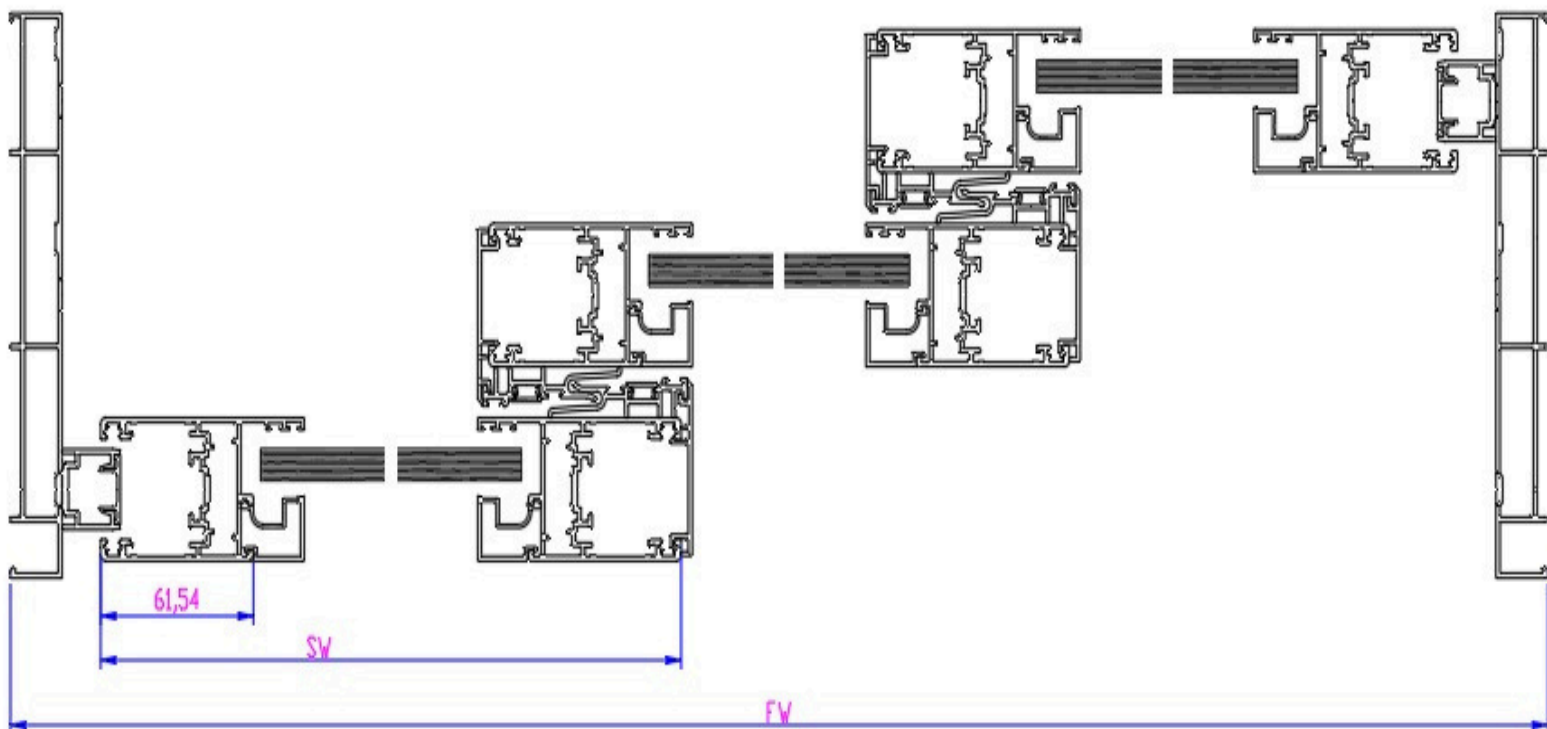
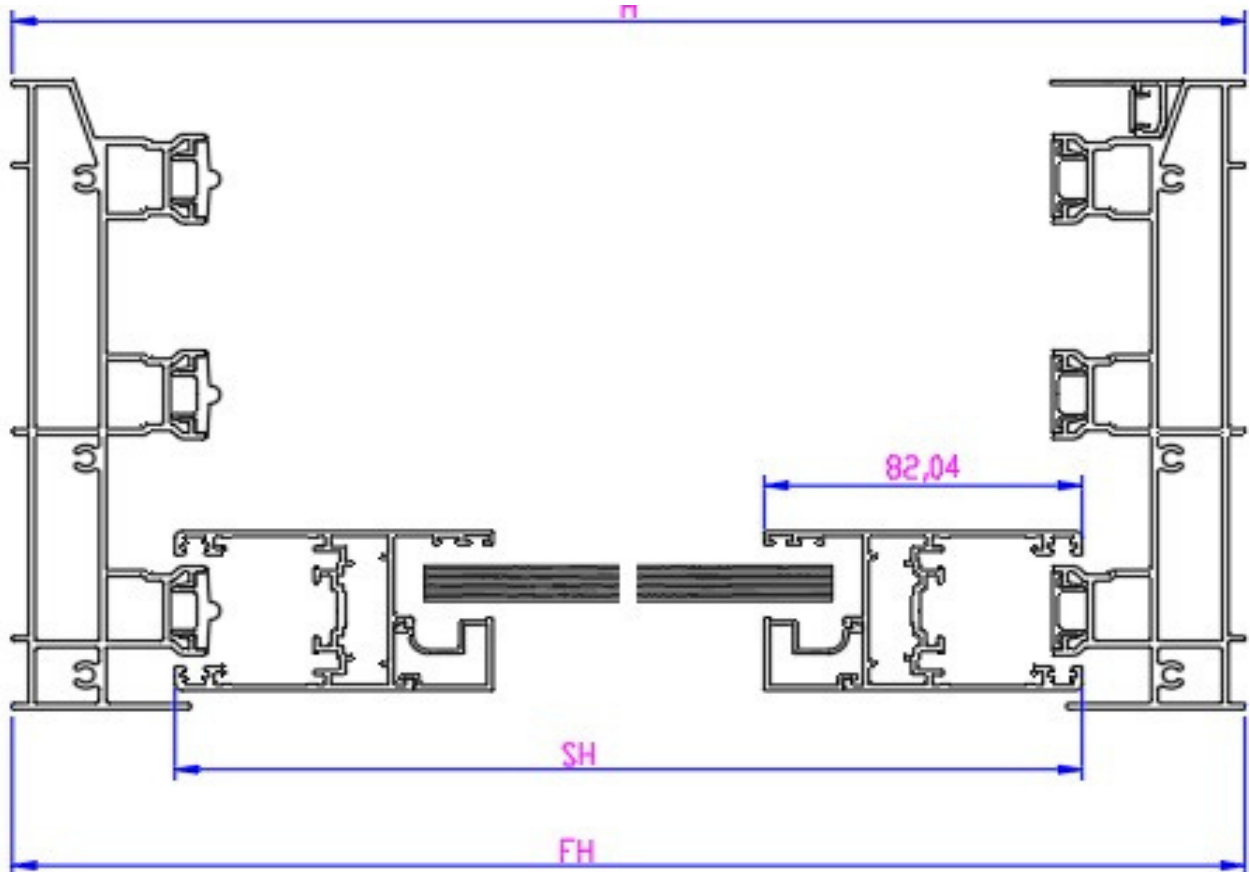
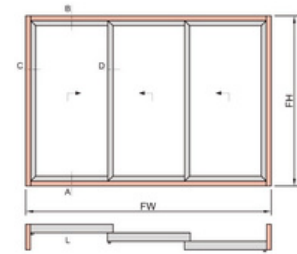


CONJUNTO VEDACAO EC-45
Cód: VDS09012-U

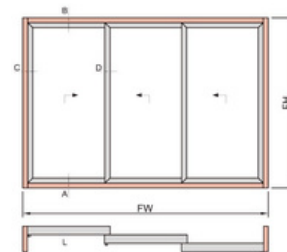


KIT CREMONA 3 PONTOS
L32/45 COM E SEM CHAVE
Cód: CRE1600

JANELA DE CORRER 3 FOLHAS EURO 45



JANELA DE CORRER 3 FOLHAS EURO 45



FOLGA DO VIDRO

LARGURA DO ES-914 $-129,3 \rightarrow$
 $527,4 - 129,3 = 398,1$

ALTURA DO ES-914 $-129 \rightarrow 1116 -$
 $129 = 987$

Referências de Cotas

SW	$FW/3 + 27,4 \pm 1$
SH	$FH - 84 \pm 1$
H	$FH \pm 1$
L	$FW \pm 1$

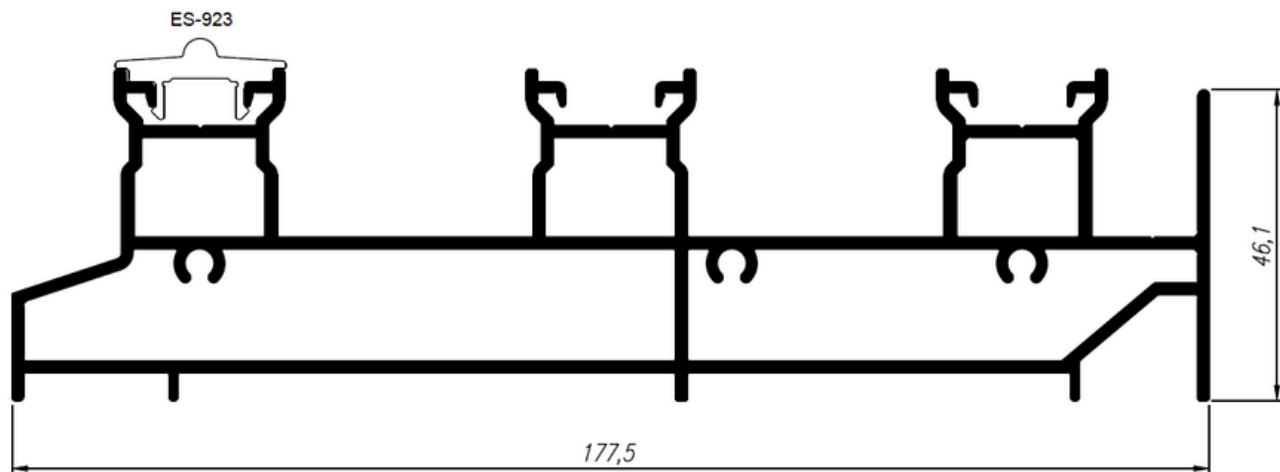
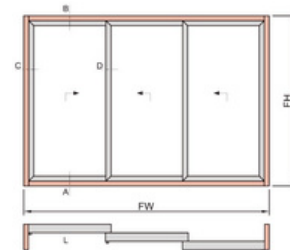
EXEMPLO: JANELA DE CORRER 3 FOLHAS

1500 X 1200 ES-1221 $\rightarrow 1500 - 41,6 = 1458,4$ (X2)
 ES-922 $\rightarrow 1500 - 41,6 = 1458,4$ (X1)
 ES-710 $\rightarrow 1500 - 41,6 = 1458,4$ (X1)
 ES-936 $\rightarrow 1500 - 41,6 = 1458,4$ (X3)
 ES-936 $\rightarrow 1200 - 99,4 = 1100,6$ (X2)
 ES-923 $\rightarrow 1500 - 65,2 = 1434,8$ (X2)
 ES-923 $\rightarrow 1500 - 41,6 = 1458,4$ (X1)
 ES-1222 $\rightarrow$ SEM FOLGA (X2)
 ES-930 $\rightarrow 1200 - 99,4 = 1100,6$ (X2)
 ES-914 $\rightarrow 1500/3 = 500 + 27,4 = 527,4$ (X6)
 ES-914 $\rightarrow 1200 - 84 = 1116$ (X6)
 ES-929 $\rightarrow 1200 - 84 = 1116$ (X4)
 ES-710 $\rightarrow 1200 - 84 = 1116$ (X4)
 ES-938 $\rightarrow 1116 - 139,6 = 976,4$ (X4)
 ES-900 $\rightarrow 527,4 - 124 = 403,4$ (X6)
 ES-900 $\rightarrow 1116 - 165 = 951$ (X6)

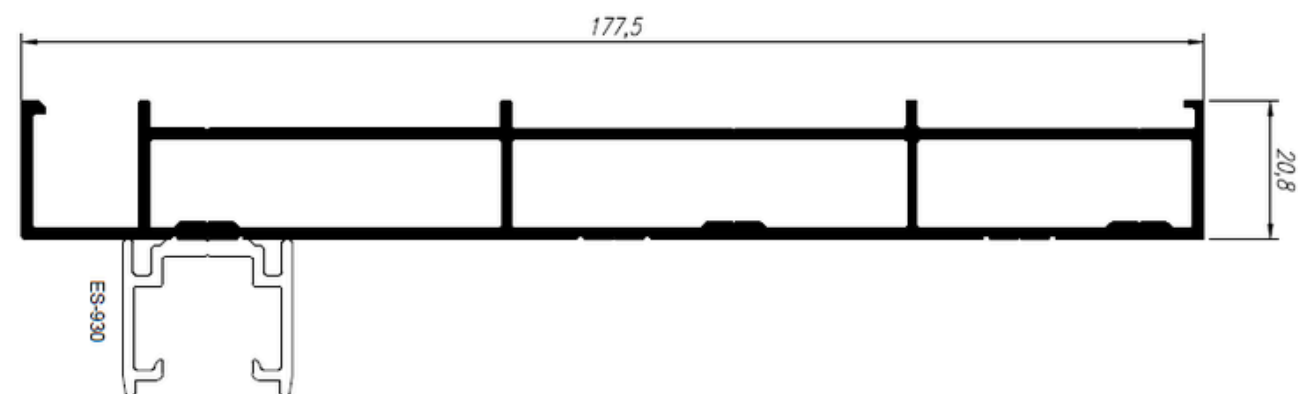
Formulas de Corte Perfis

Perfil	Tipo de corte	Horizontal (FW)		Vertical (FH)	
		Quantidade	Formula de corte	Quantidade	Formula de corte
ES-1221		2	$FW - 41,6 \pm 1$		
ES-922		1	$FW - 41,6 \pm 1$		
ES-710		1	$FW - 41,6 \pm 1$		
ES-936		3	$FW - 41,6 \pm 1$	2	$FH - 99,4 \pm 1$
ES-923		2	$FW - 65,2 \pm 1$		
ES-923		1	$FW - 41,6 \pm 1$		
ES-1222				2	$FH \pm 1$
ES-930				2	$FH - 99,4 \pm 1$
ES-914		6	$SW \pm 1$	6	$SH \pm 1$
ES-929				4	$SH \pm 1$
ES-710				4	$SH \pm 1$
ES-938				4	$SH - 139,6 \pm 1$
ES-900		6	$SW - 124 \pm 1$	6	$SH - 165 \pm 1$

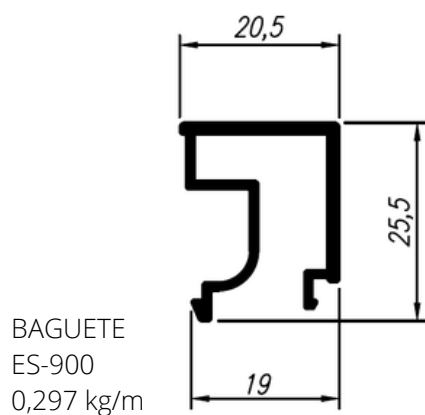
PORTA DE CORRER 3 FOLHAS EURO 45



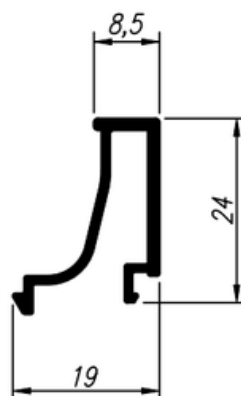
MARCO TRILHO
ES-1221
3,313 kg/m



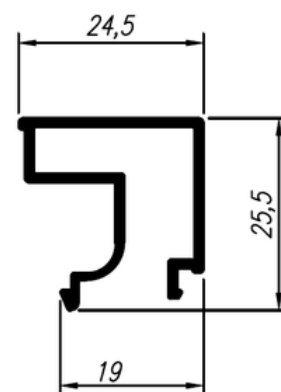
MARCO LATERAL
ES-1222
1,909 kg/m



BAGUETE
ES-900
0,297 kg/m

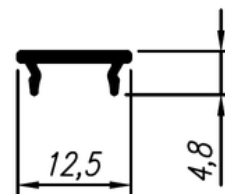
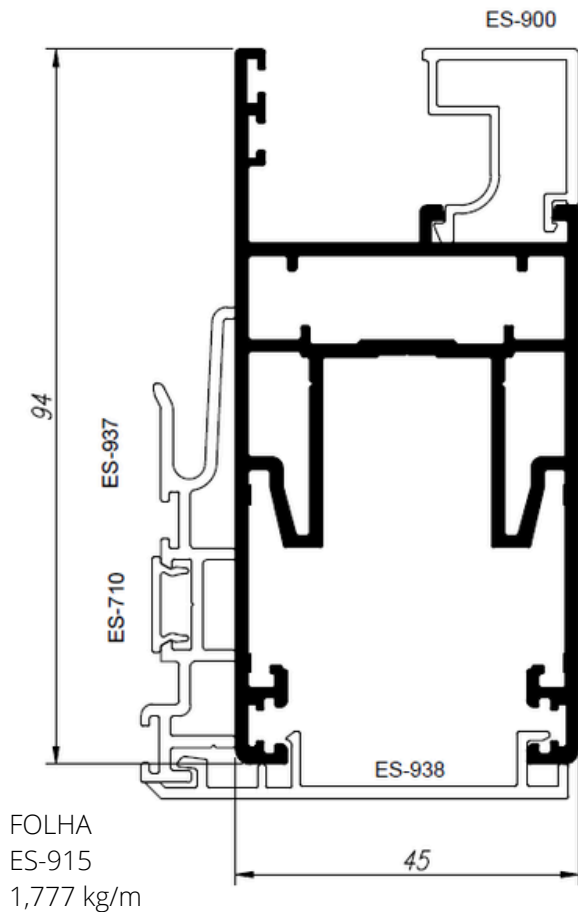
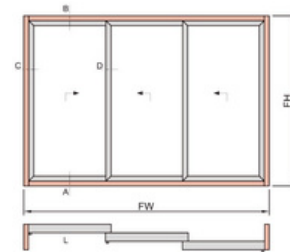


BAGUETE
ES-902
0,228 kg/m

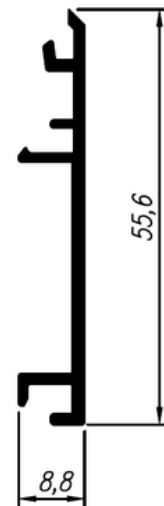


BAGUETE
ES-939
0,301 kg/m

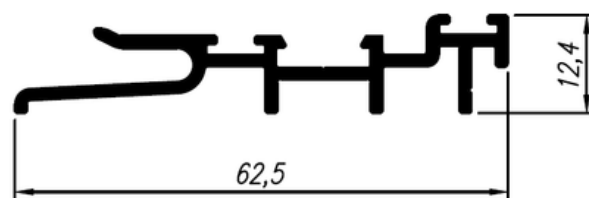
PORTA DE CORRER 3 FOLHAS EURO 45



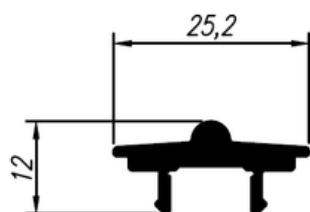
ACABAMENTO
ES-710
0,058 kg/m



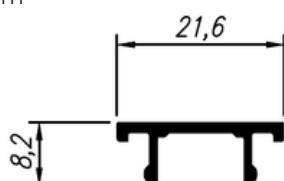
TAMPA FOLHA
ES-938
0,331 kg/m



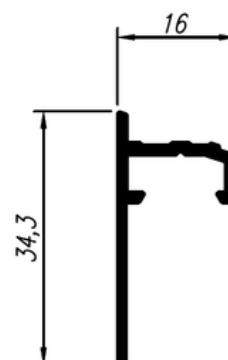
MÃO AMIGO
ES-937
0,498 kg/m



TRILHO
ES-923
0,273 kg/m



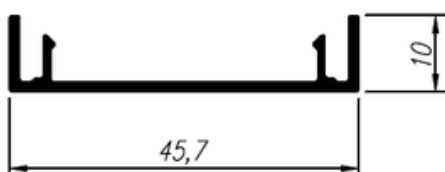
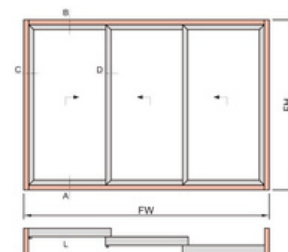
TAMPA
ES-936
0,136 kg/m



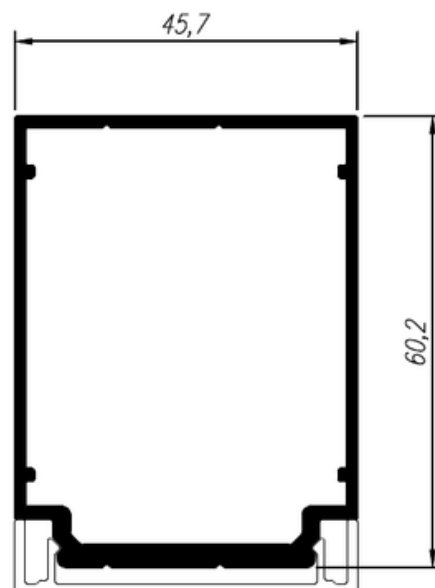
PINGADEIRA
ES-922
0,211 kg/m

PORTA DE CORRER 3 FOLHAS EURO 45

PERFIL DE REFORÇO

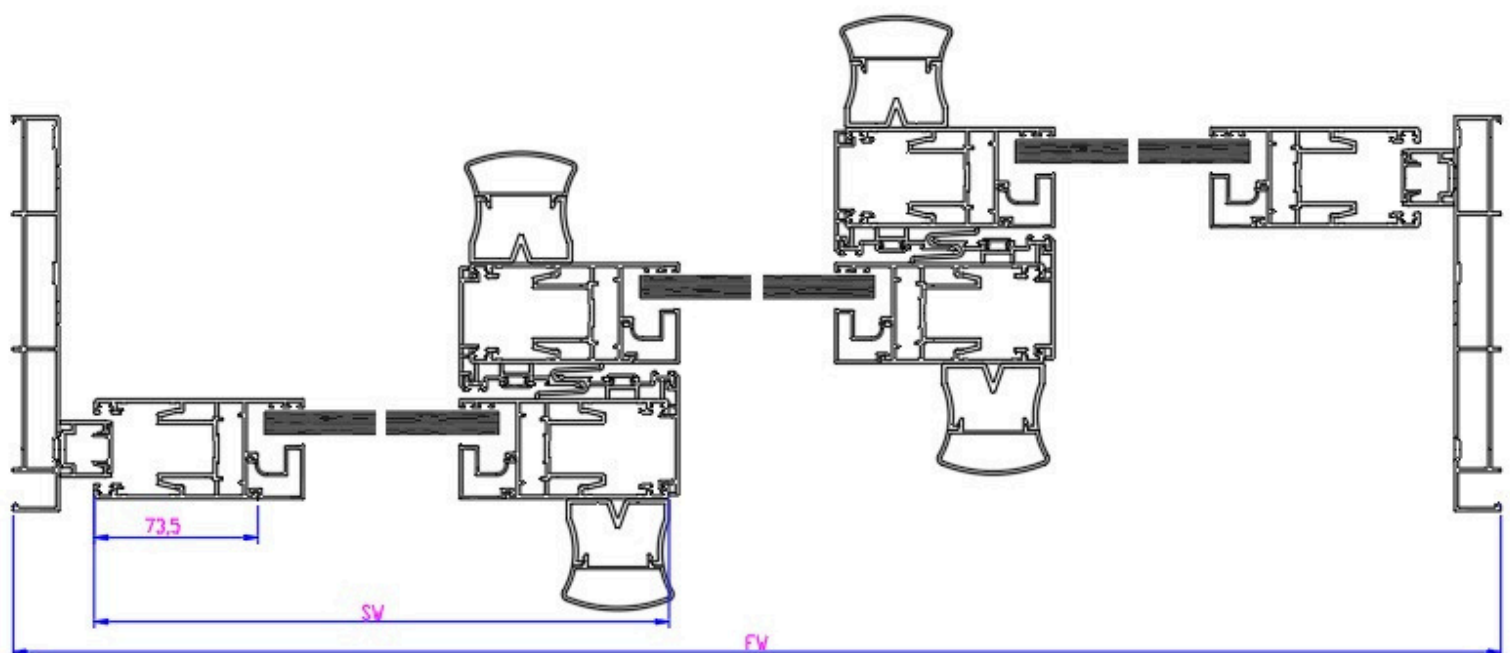
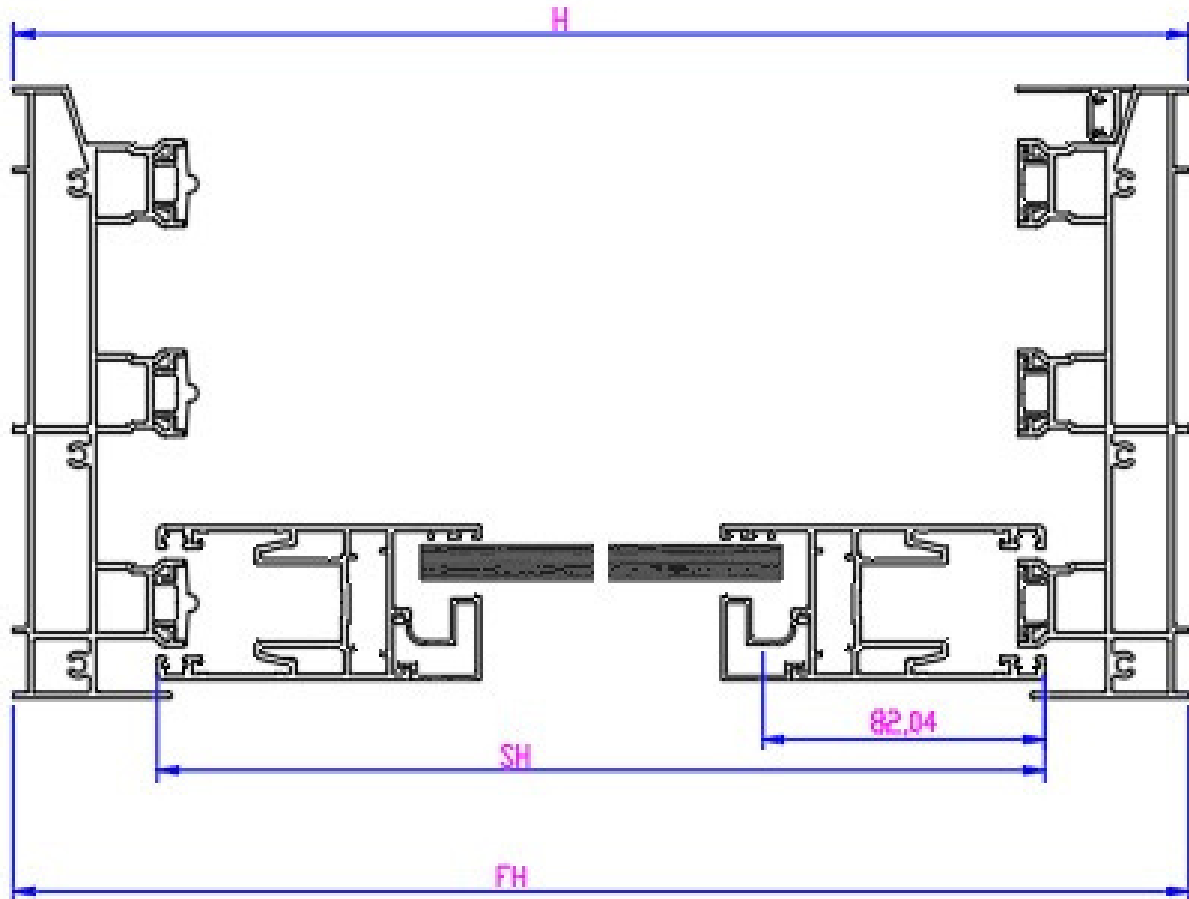
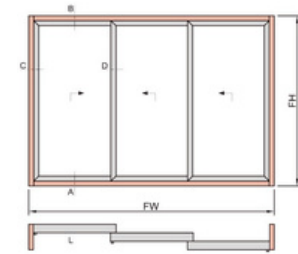


TAMPA REFORÇO
ES-1599
0,276 kg/m

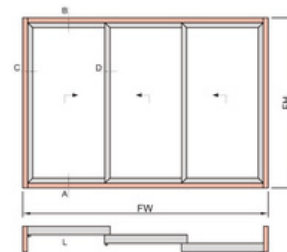


REFORÇO
ES-1600
0,977 kg/m

PORTA DE CORRER 3 FOLHAS EURO 45



PORTA DE CORRER 3 FOLHAS EURO 45



FOLGA DO VIDRO

LARGURA DO ES-914 –129,3 ->

$$535,4 - 152,7 = 382,7$$

ALTURA DO ES-914 –153 -> $2116 - 153 = 1963$

Referências de Cotas

SW	FW/3+35,4 ±1
SH	FH-84 ±1
H	FH ±1
L	FW ±1

EXEMPLO: PORTA DE CORRER 3 FOLHAS

1500 X2200 ES-1221 -> $1500 - 41,6 = 1458,4$ (X2)

ES-922 -> $1500 - 41,6 = 1458,4$ (X1)

ES-710 -> $1500 - 41,6 = 1458,4$ (X1)

ES-936 -> $1500 - 41,6 = 1458,4$ (X3)

ES-936 -> $2200 - 99,4 = 2100,6$ (X2)

ES-923 -> $1500 - 65,2 = 1434,8$ (X2)

ES-923 -> $1500 - 41,6 = 1458,4$ (X1)

ES-1222 -> SEM FOLGA (X2)

ES-930 -> $2200 - 99,4 = 2100,6$ (X2)

ES-915 -> $1500/3 = 500 + 35,4 = 535,4$ (X6)

ES-915 -> $2200 - 84 = 2116$ (X6)

ES-937 -> $2200 - 84 = 2116$ (X4)

ES-710 -> $2200 - 84 = 2116$ (X4)

ES-938 -> $2116 - 55,6 = 2060,4$ (X4)

ES-900 -> $535,4 - 148 = 387,4$ (X6)

ES-900 -> $2116 - 189 = 1927$ (X6)

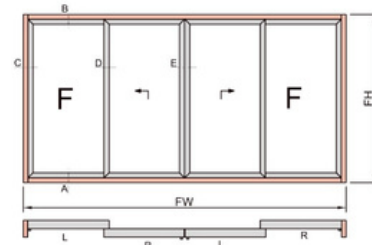
ES-1599 -> $2116 - 99 = 2017$ (X4)

ES-1600 -> $2116 - 99 = 2017$ (X4)

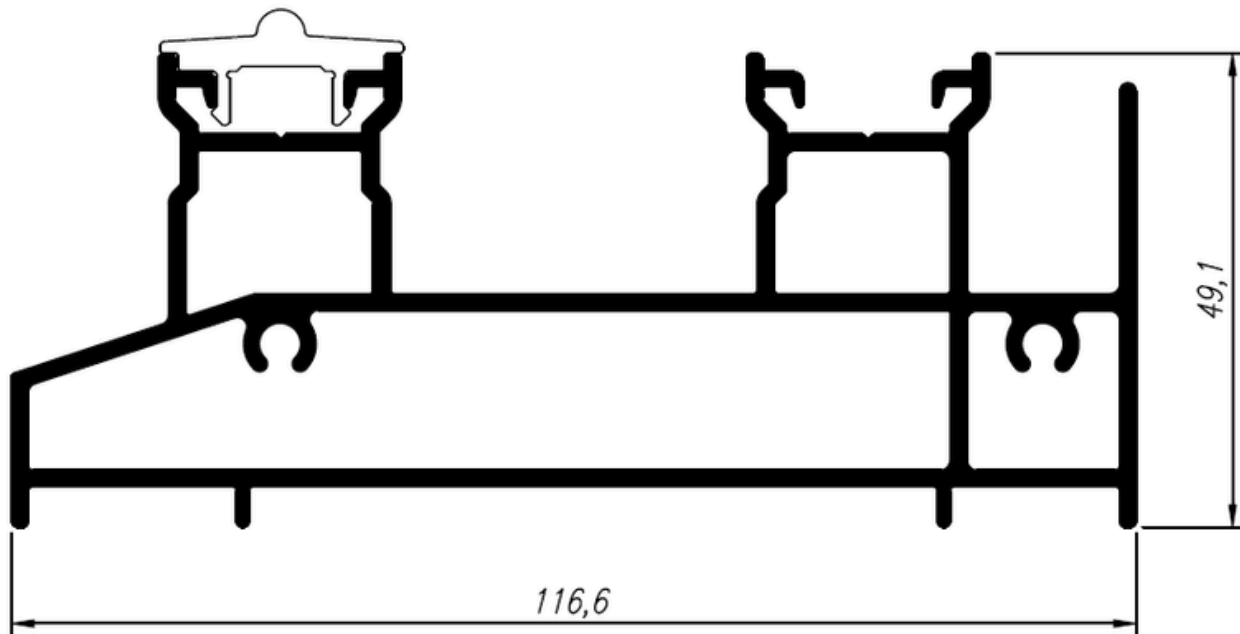
Formulas de Corte Perfis

Perfil	Tipo de corte	Horizontal (FW)		Vertical (FH)	
		Quantidade	Formula de corte	Quantidade	Formula de corte
ES-1221		2	$FW - 41,6 \pm 1$		
ES-922		1	$FW - 41,6 \pm 1$		
ES-710		1	$FW - 41,6 \pm 1$		
ES-936		3	$FW - 41,6 \pm 1$	2	$FH - 99,4 \pm 1$
ES-923		2	$FW - 65,2 \pm 1$		
ES-923		1	$FW - 41,6 \pm 1$		
ES-1222				2	$FH \pm 1$
ES-930				2	$FH - 99,4 \pm 1$
ES-915		6	$SW \pm 1$	6	$SH \pm 1$
ES-937				2	$SH \pm 1$
ES-710				2	$SH \pm 1$
ES-938				2	$SH - 55,6 \pm 1$
ES-900		4	$SW - 148 \pm 1$	4	$SH - 189 \pm 1$
ES-725				2	$SH - 99 \pm 1$
ES-903				2	$SH - 99 \pm 1$

JANELA DE CORRER 4 FOLHAS EURO 45



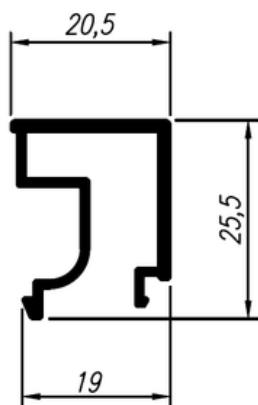
ES-923



MARCO TRILHO

ES-913

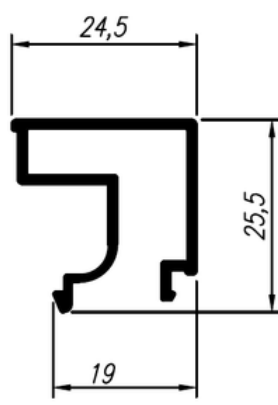
2,355 kg/m



BAGUETE

ES-900

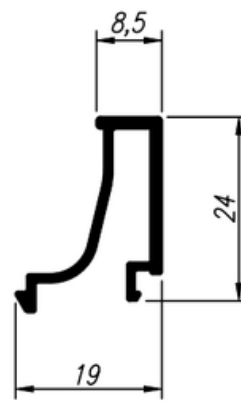
0,297 kg/m



BAGUETE

ES-939

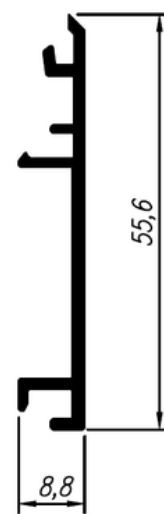
0,301 kg/m



BAGUETE

ES-902

0,228 kg/m



TAMPA FOLHA

ES-938

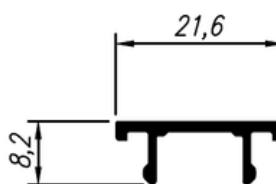
0,331 kg/m



MÃO AMIGO

ES-929

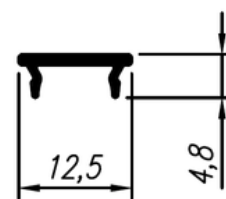
0,456 kg/m



TAMPA

ES-936

0,136 kg/m

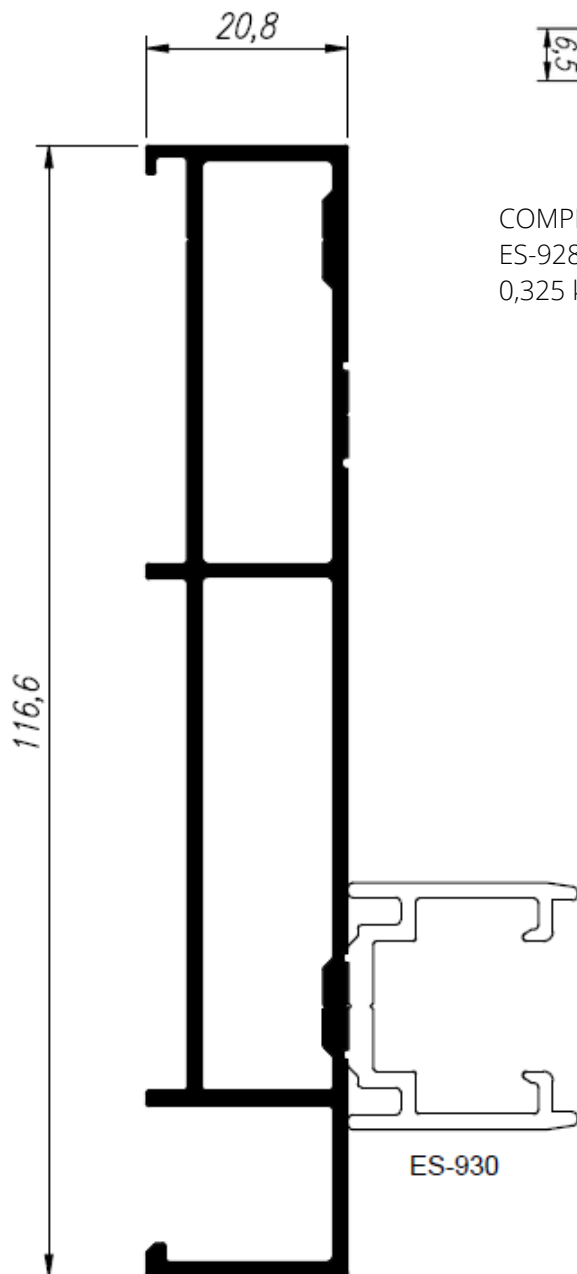
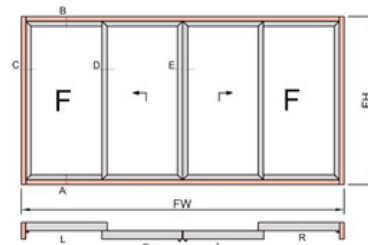


ACABAMENTO

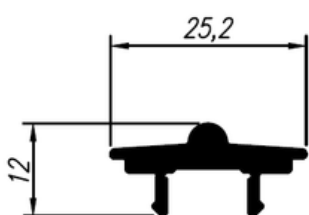
ES-710

0,058 kg/m

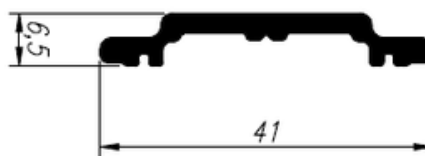
JANELA DE CORRER 4 FOLHAS EURO 45



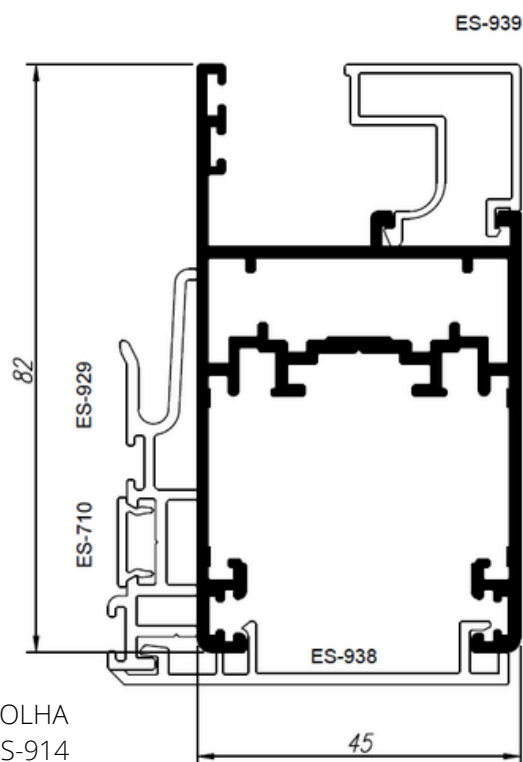
MARCO LATERAL
ES-925
1,291 kg/m



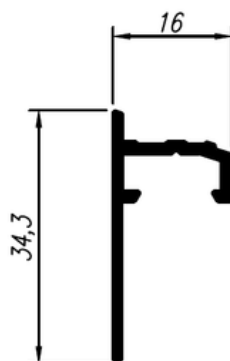
TRILHO
ES-923
0,273 kg/m



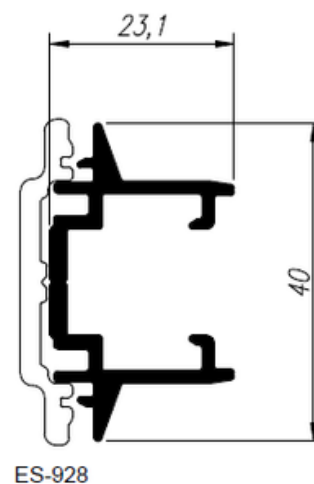
COMPLEMENTO ENCONTRO CENTRAL
ES-928
0,325 kg/m



FOLHA
ES-914
1,366 kg/m



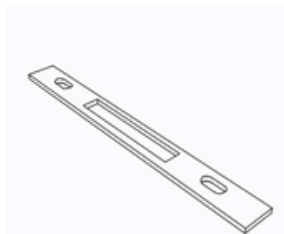
PINGADEIRA
ES-922
0,211 kg/m



COMPLEMENTO ENCONTRO CENTRAL
ES-927
0,486 kg/m

PORTA/JANELA DE CORRER 4 E 6 FOLHAS EURO 45

ACESSÓRIOS



CONTRA FECHO
Cód: N69



CALCO APOIO PARA
CREMONA
MULTIPONTO L.45
Cód: CM09-AUTEM



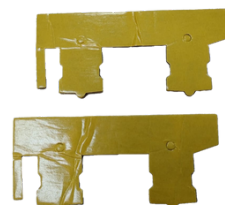
ROLDANA CORRER
REGULAVEL 120 KG
Cód: 615951



TAMPA DE DRENO
Cód: TDD03-012



CONEXAO ALINHAMENTO
L.45
Cód: CNA04



TAPA PERFIL DUPLA
FACE L.45
Cód: VDS18



KIT CREMONA MULTIPONTO
L45
Cód: CRE-1000-AUTEM 1000mm



MACANETA R-LINE EIXO
24MM M5 X 35-R06.2M PT
Cód: 794357



CALCO ROLDANA
CORRER 50/120 KG
Cód: 642371



GUIA SUP/INF /JANELA L.45
Cód: GUI71



GUIA SUPERIOR
Cód: GUI57-012



CONEXAO ALINHAMENTO
INOX-L.45
Cód: CNA08N-037

PORTA/JANELA DE CORRER 4 E 6 FOLHAS EURO 45

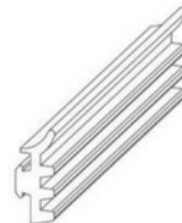
ACESSÓRIOS



VALVULA DE DRENO
SV9-NE
Cód: VDD02-012



TOPE DE FOLHA DE
CORRER . PRETO R06,2
Cód: TOP3355



GUARNICAO DE
BORRACHA BOR 003
Cód: GUA003



BORRACHA MAO DE AMIGO
DE CORRER L.45
Cód: BOR06



FITA VEDADORA 7X6



PARAFUSO 4,2X32



PARAFUSO 3,5X13



GUIA -INJ.PRETO
Cód: GUI56012-U



BORRACHA VIDRO
INTERIO 4MM L.45
Cód: BOR04



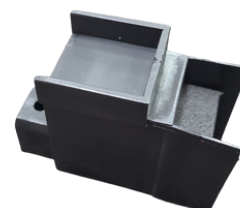
BORRACHA VIDRO
INFERIOR 6MM L.45
Cód: BOR02



CONEXAO DE ALUMINIO
UNIAO 45 GRAUS
Cód: CNF01N-042

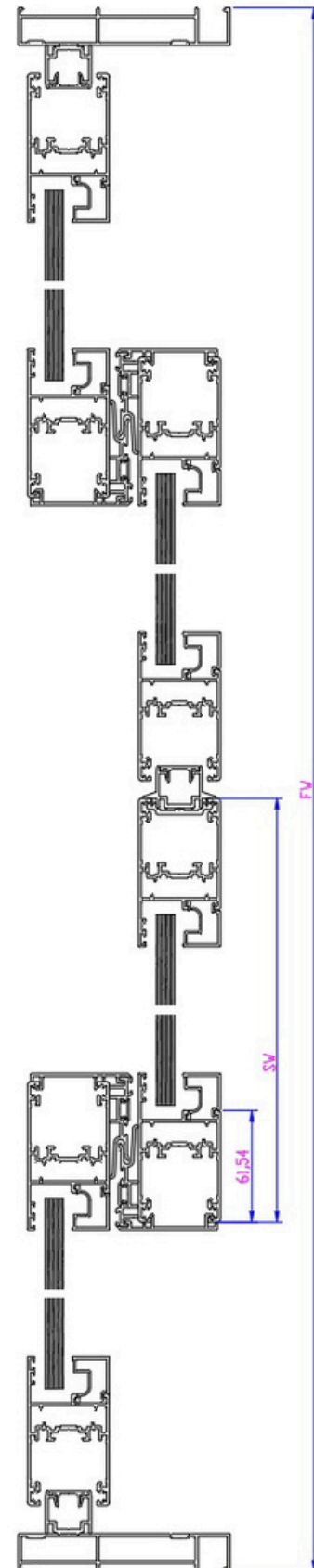
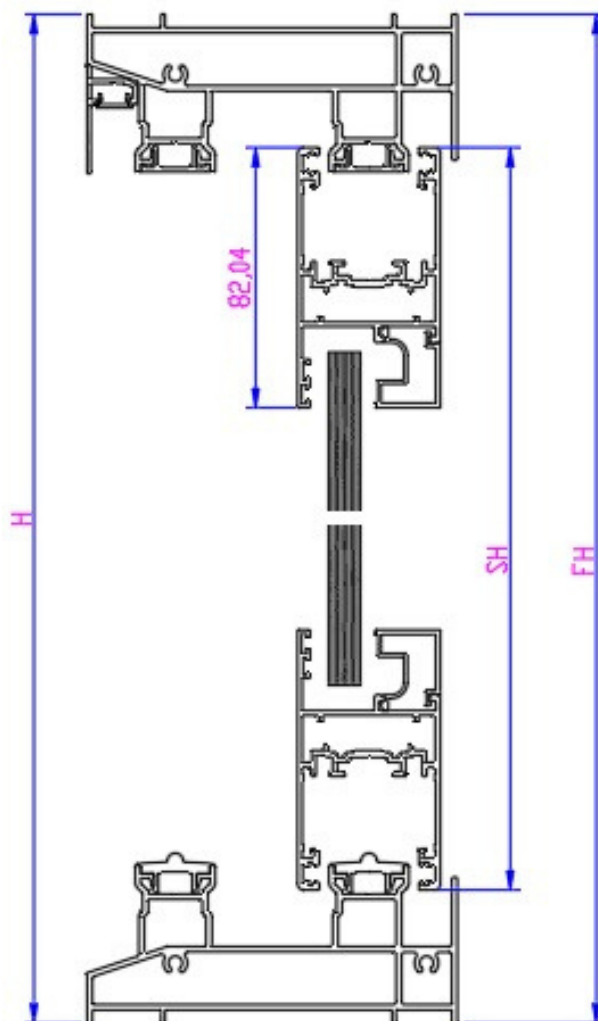
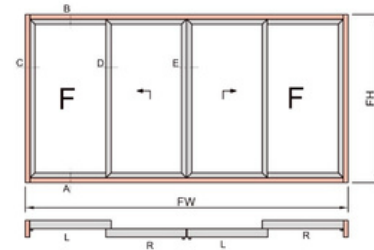


CONJUNTO VEDACAO EC-45
Cód: VDS09012-U

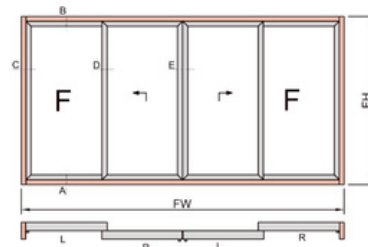


TAMPA INF/SUP L. EC-45
Cód: GUI54

JANELA DE CORRER 4 FOLHAS EURO 45



JANELA DE CORRER 4 FOLHAS EURO 45



FOLGA DO VIDRO

LARGURA DO ES-914 $-129,3 \rightarrow$
 $393,1 - 129,3 = 263,8$

ALTURA DO ES-914 $-129 \rightarrow 1116 -$
 $129 = 987$

Referências de Cotas

SW	$FW/4 + 18,1 \pm 1$
SH	$FH - 84 \pm 1$
H	$FH \pm 1$
L	$FW \pm 1$

EXEMPLO: JANELA DE CORRER 2 FOLHAS 1500 X 1200 ES-913 $\rightarrow$

$1500 - 41,6 = 1458,4$ (X2)

ES-922 $\rightarrow 1500 - 41,6 = 1458,4$ (X1)

ES-710 $\rightarrow 1500 - 41,6 = 1458,4$ (X1)

ES-936 $\rightarrow 1500 - 41,6 = 1458,4$ (X2)

ES-936 $\rightarrow 1200 - 99,4 = 1100,6$ (X2)

ES-923 $\rightarrow 1500 - 88,8 = 1411,2$ (X1)

ES-923 $\rightarrow 1500 - 41,6 = 1458,4$ (X1)

ES-925 $\rightarrow$ SEM FOLGA (X2)

ES-930 $\rightarrow 1200 - 99,4 = 1100,6$ (X2)

ES-914 $\rightarrow 1500/4 = 375 + 18,1 = 393,1$ (X8)

ES-914 $\rightarrow 1200 - 84 = 1116$ (X8)

ES-929 $\rightarrow 1200 - 84 = 1116$ (X4)

ES-710 $\rightarrow 1200 - 84 = 1116$ (X4)

ES-938 $\rightarrow 1116 - 55,6 = 1060,4$ (X4)

ES-900 $\rightarrow 393,1 - 124 = 269,1$ (X8)

ES-900 $\rightarrow 1116 - 165 = 951$ (X8)

ES-936 $\rightarrow 1116 - 110,6 = 1005,4$ (X1)

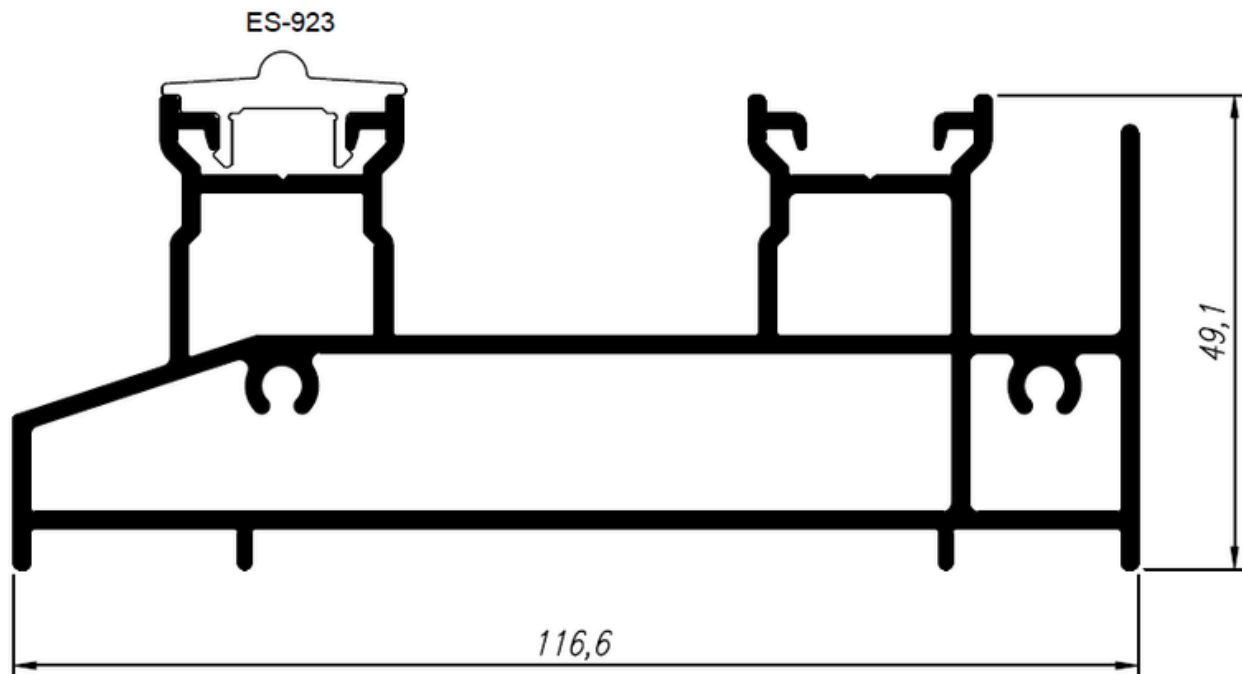
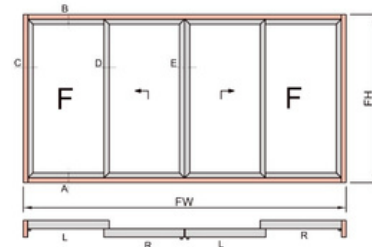
ES-927 $\rightarrow 1116 - 110,6 = 1005,4$ (X1)

ES-928 $\rightarrow 1116 - 110,6 = 1005,4$ (X1)

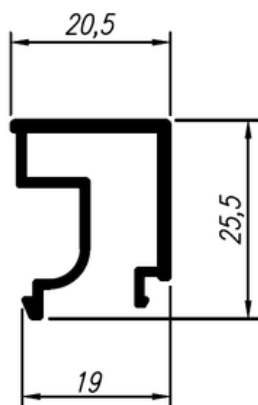
Formulas de Corte Perfis

Perfil	Tipo de corte	Horizontal (FW)		Vertical (FH)	
		Quantidade	Formula de corte	Quantidade	Formula de corte
ES-913		2	$FW - 41,6 \pm 1$		
ES-922		1	$FW - 41,6 \pm 1$		
ES-710		1	$FW - 41,6 \pm 1$		
ES-936		2	$FW - 41,6 \pm 1$	2	$FH - 99,4 \pm 1$
ES-923		1	$FW - 88,8 \pm 1$		
ES-923		1	$FW - 41,6 \pm 1$		
ES-925				2	$FH \pm 1$
ES-930				2	$FH - 99,4 \pm 1$
ES-914		8	$SW \pm 1$	8	$SH \pm 1$
ES-929				4	$SH \pm 1$
ES-710				4	$SH \pm 1$
ES-938				4	$SH - 55,6 \pm 1$
ES-900		6	$SW - 124 \pm 1$	6	$SH - 165 \pm 1$
ES-936				1	$SH - 110,6 \pm 1$
ES-927				1	$SH - 110,6 \pm 1$
ES-928				1	$SH - 110,6 \pm 1$

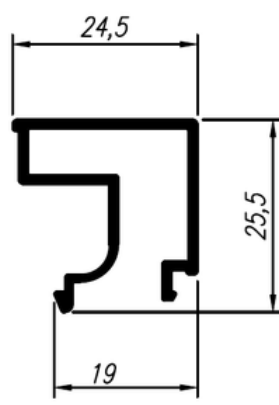
PORTA DE CORRER 4 FOLHAS EURO 45



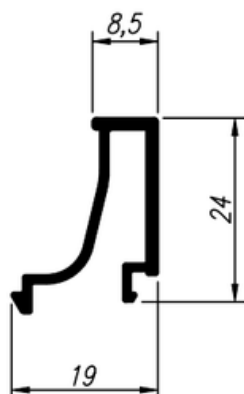
MARCO TRILHO
ES-913
2,355 kg/m



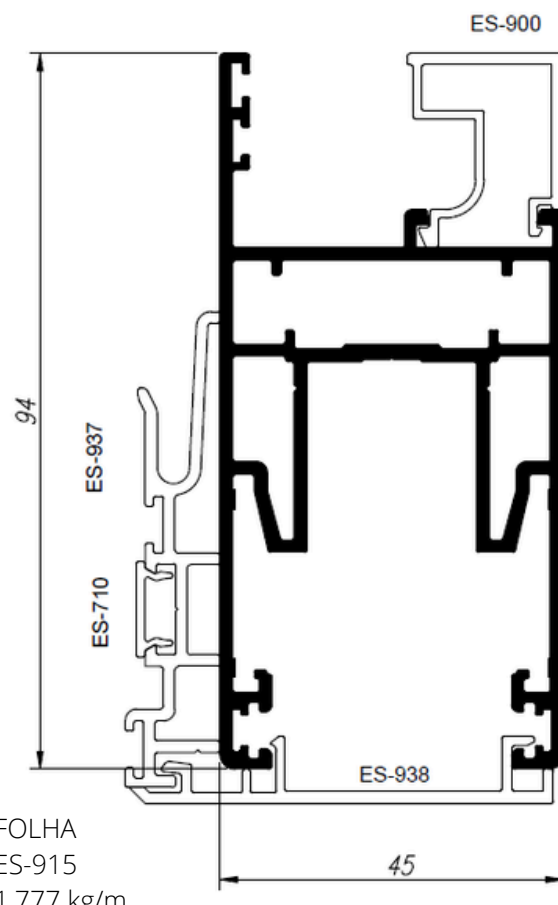
BAGUETE
ES-900
0,297 kg/m



BAGUETE
ES-939
0,301 kg/m

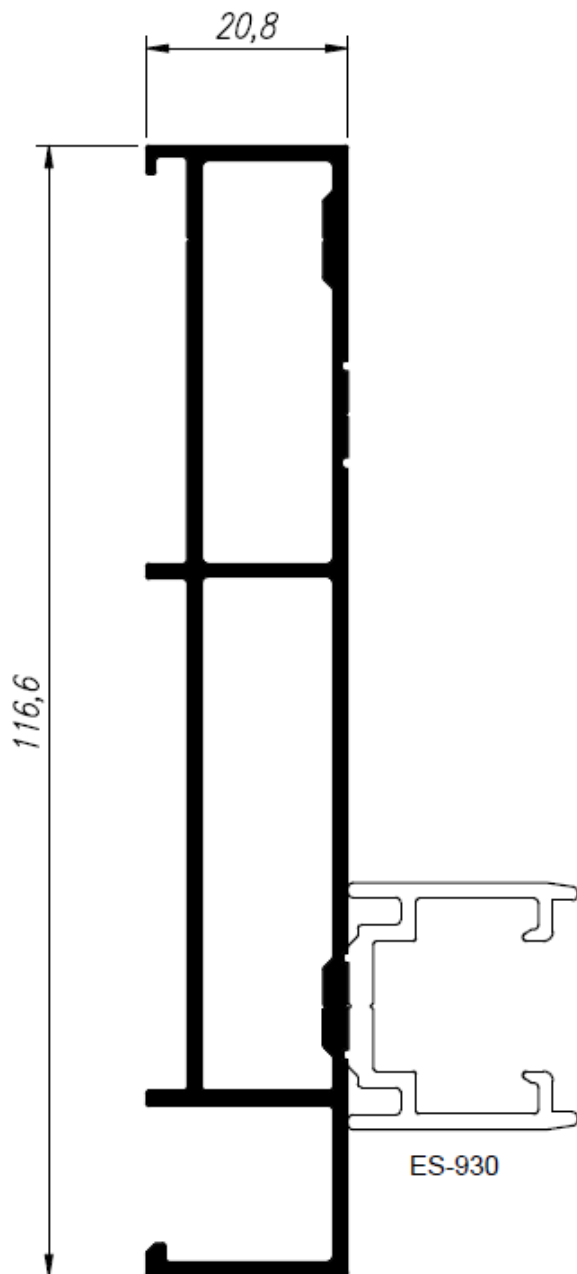
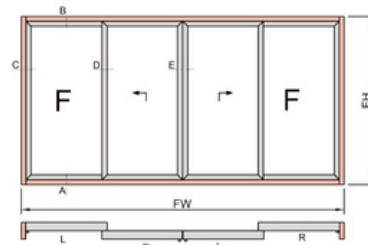


BAGUETE
ES-902
0,228 kg/m

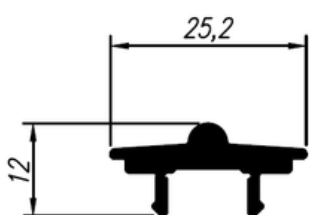


FOLHA
ES-915
1,777 kg/m

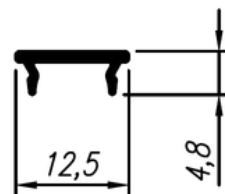
PORTA DE CORRER 4 FOLHAS EURO 45



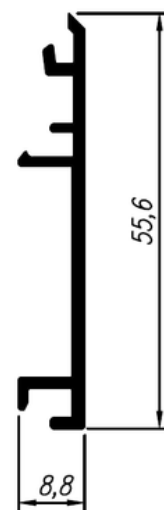
MARCO LATERAL
ES-925
1,291 kg/m



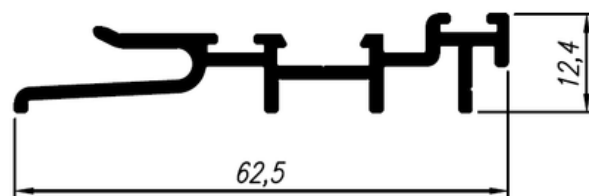
TRILHO
ES-923
0,273 kg/m



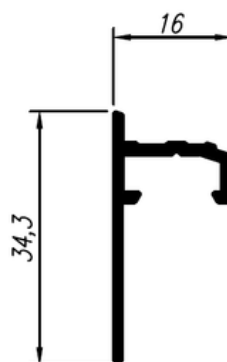
ACABAMENTO
ES-710
0,058 kg/m



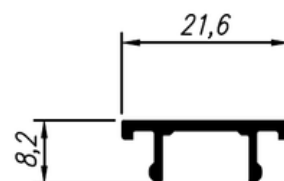
TAMPA FOLHA
ES-938
0,331 kg/m



MÃO AMIGO
ES-937
0,498 kg/m

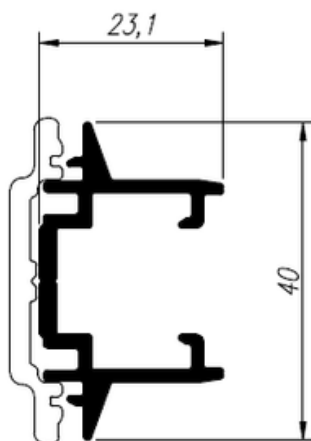
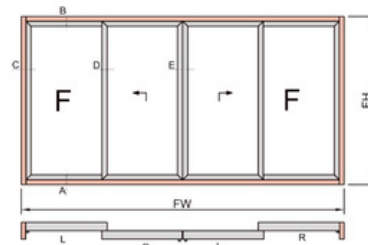


PINGADEIRA
ES-922
0,211 kg/m



TAMPA
ES-936
0,136 kg/m

PORTA DE CORRER 4 FOLHAS EURO 45



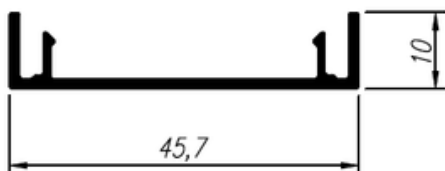
ES-928

COMPLEMENTO ENCONTRO CENTRAL
ES-927
0,486 kg/m

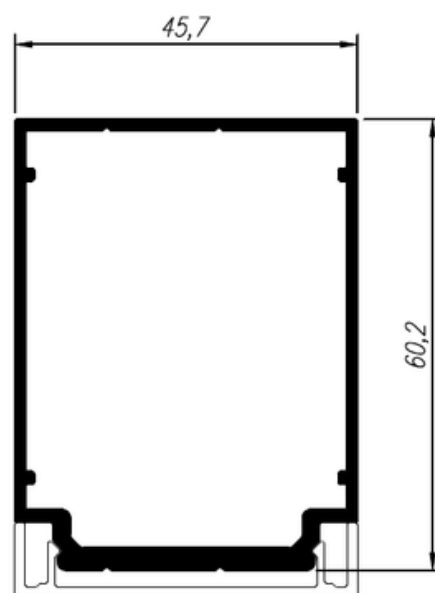


COMPLEMENTO ENCONTRO CENTRAL
ES-928
0,325 kg/m

PERFIL DE REFORÇO

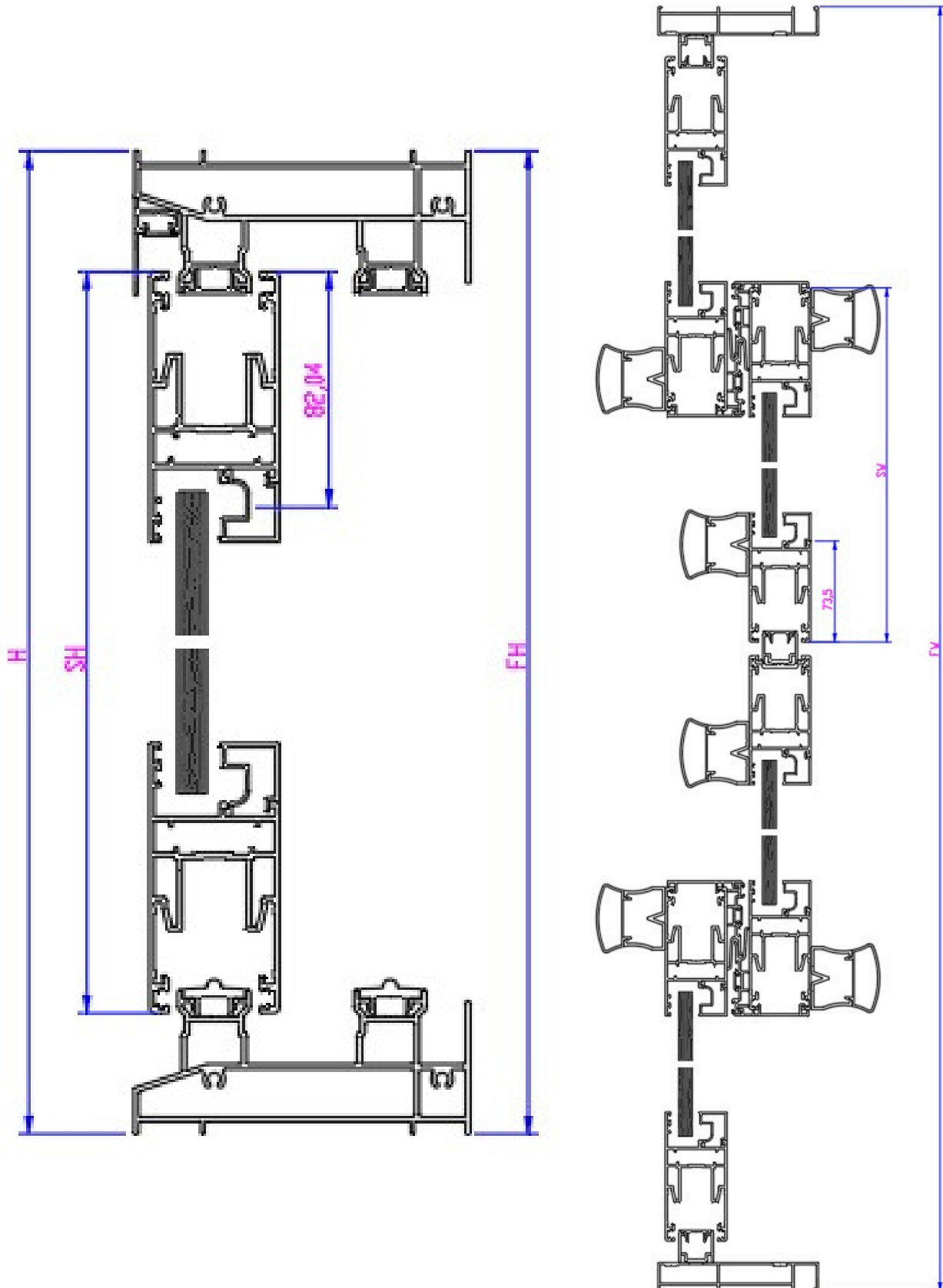
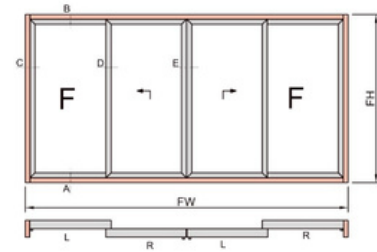


TAMPA REFORÇO
ES-1599
0,276 kg/m

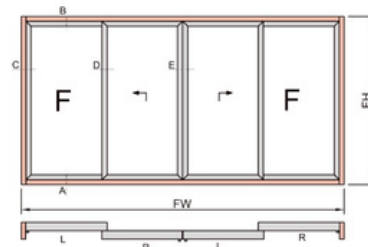


REFORÇO
ES-1600
0,977 kg/m

PORTA DE CORRER 4 FOLHAS EURO 45



PORTA DE CORRER 4 FOLHAS EURO 45



FOLGA DO VIDRO

LARGURA DO ES-915 $-152,7 \rightarrow$
 $399 - 152,7 = 246,3$

ALTURA DO ES-915 $-153 \rightarrow$
 $2116 - 153 = 1963$

Referências de Cotas	
SW	FW/4+24 ± 1
SH	FH-84 ± 1
H	FH ± 1
L	FW ± 1

EXEMPLO: PORTA DE CORRER 2 FOLHAS 1500 X 2200

ES-913 $\rightarrow 1500 - 41,6 = 1458,4$ (X2) ES-922
 $\rightarrow 1500 - 41,6 = 1458,4$ (X1) ES-710 $\rightarrow$
 $1500 - 41,6 = 1458,4$ (X1) ES-936 $\rightarrow 1500 -$
 $41,6 = 1458,4$ (X2) ES-936 $\rightarrow 2200 - 99,4 =$
 $2100,6$ (X2) ES-923 $\rightarrow 1500 - 88,8 = 1411,2$
 (X1) ES-923 $\rightarrow 1500 - 41,6 = 1458,4$ (X1)

ES-925 $\rightarrow$ SEM FOLGA (X2)

ES-930 $\rightarrow 2200 - 99,4 = 2100,6$ (X2)

ES-915 $\rightarrow 1500/4 = 375 + 24 = 399$ (X8) ES-915
 $\rightarrow 2200 - 84 = 2116$ (X8)

ES-929 $\rightarrow 2200 - 84 = 2116$ (X4)

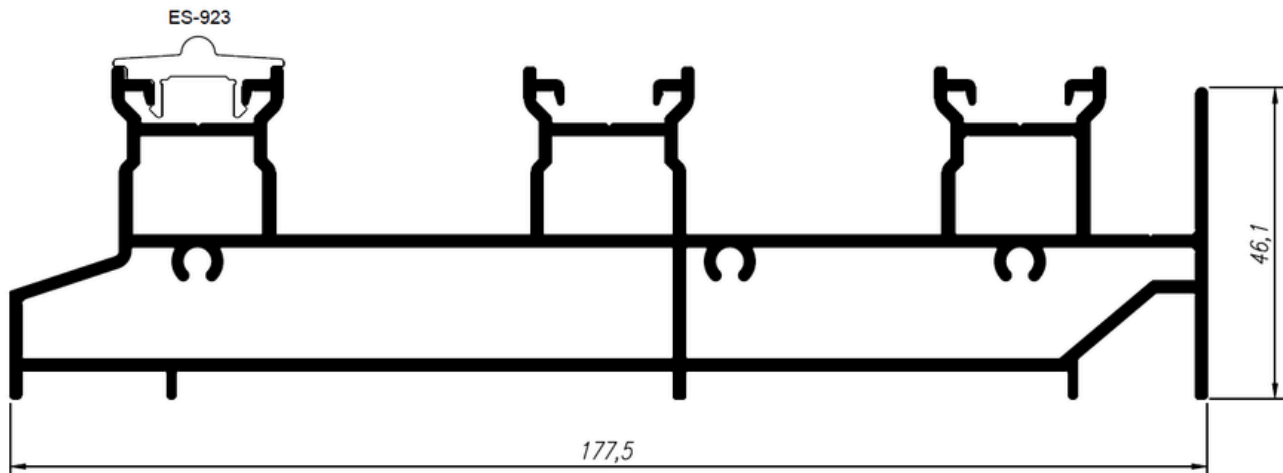
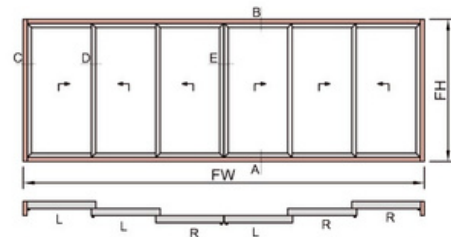
ES-710 $\rightarrow 2200 - 84 = 2116$ (X4)

ES-938 $\rightarrow 2116 - 55,6 = 2060,4$ (X4) ES-900 $\rightarrow$
 $399 - 153 = 246$ (X8)

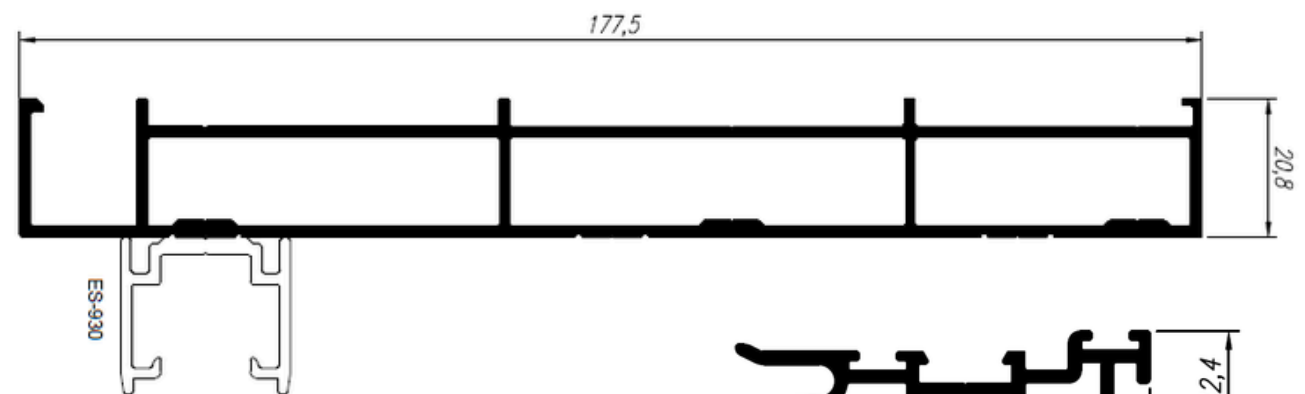
ES-900 $\rightarrow 2116 - 153 = 1963$ (X8) ES-936 $\rightarrow$
 $2116 - 110 = 1006$ (X1) ES-927 $\rightarrow 2116 - 110 =$
 1006 (X1) ES-928 $\rightarrow 2116 - 110 = 1006$ (X1) ES-
 1599 $\rightarrow 2116 - 99 = 2017$ (X1) ES-1600 $\rightarrow 2116$
 $- 99 = 2017$ (X1)

Formulas de Corte Perfis					
Perfil	Tipo de corte	Horizontal (FW)		Vertical (FH)	
		Quantidade	Formula de corte	Quantidade	Formula de corte
ES-913		2	FW-41,6 ± 1		
ES-922		1	FW-41,6 ± 1		
ES-710		1	FW-41,6 ± 1		
ES-936		2	FW-41,6 ± 1	2	FH-99,4 ± 1
ES-923		1	FW-88,8 ± 1		
ES-923		1	FW-41,6 ± 1		
ES-925				2	FH ± 1
ES-930				2	FH-99,4 ± 1
ES-915		8	SW ± 1	8	SH ± 1
ES-929				4	SH ± 1
ES-710				4	SH ± 1
ES-938				4	SH-55,6 ± 1
ES-900		8	SW-153 ± 1	8	SH-153 ± 1
ES-936				1	SH-110 ± 1
ES-930				1	SH-110 ± 1
ES-928				1	SH-110 ± 1
ES-725				6	SH-99 ± 1
ES-903				6	SH-99 ± 1

PORTA DE CORRER 6 FOLHAS EURO 45

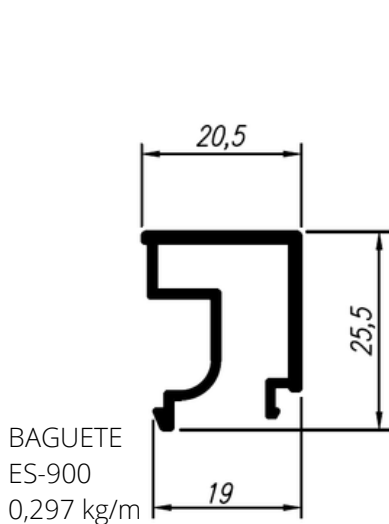
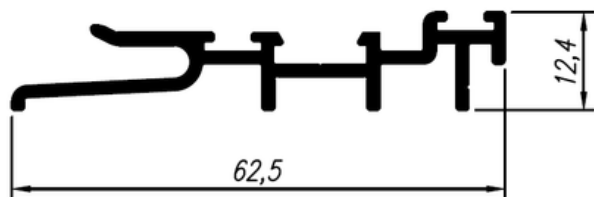


MARCO TRILHO
ES-1221
3,313 kg/m

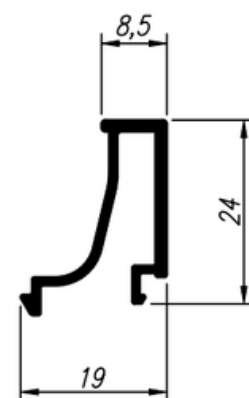


MARCO LATERAL
ES-1222
1,909 kg/m

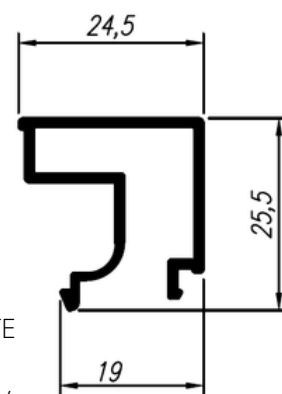
MÃO AMIGO
ES-937
0,498 kg/m



BAGUETE
ES-900
0,297 kg/m

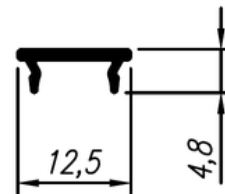
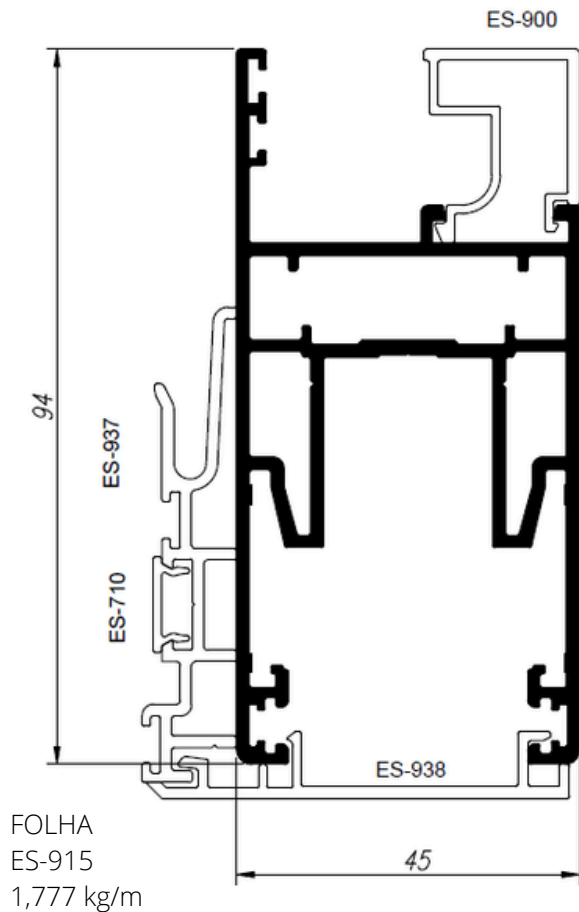
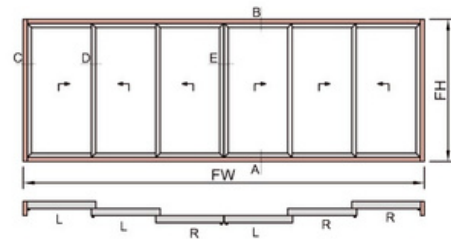


BAGUETE
ES-902
0,228 kg/m

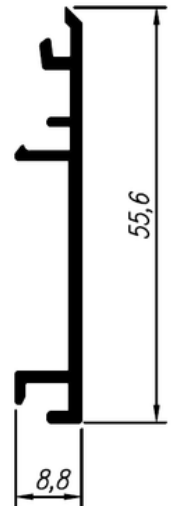


BAGUETE
ES-939
0,301 kg/m

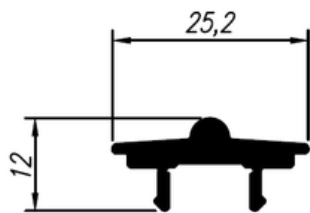
PORTA DE CORRER 6 FOLHAS EURO 45



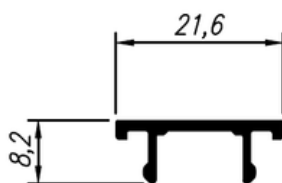
ACABAMENTO
ES-710
0,058 kg/m



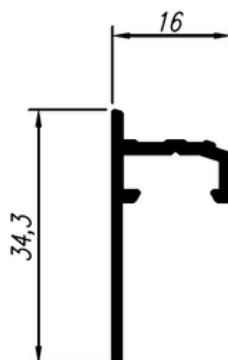
TAMPA FOLHA
ES-938
0,331 kg/m



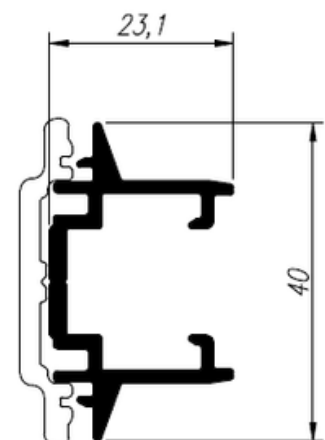
TRILHO
ES-923
0,273 kg/m



TAMPA
ES-936
0,136 kg/m



PINGADEIRA
ES-922
0,211 kg/m



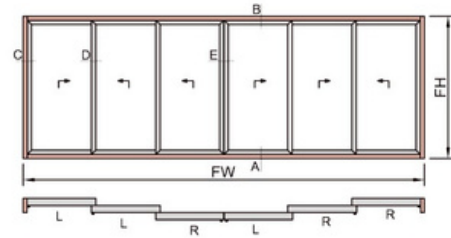
COMPLEMENTO ENCONTRO CENTRAL
ES-927
0,486 kg/m



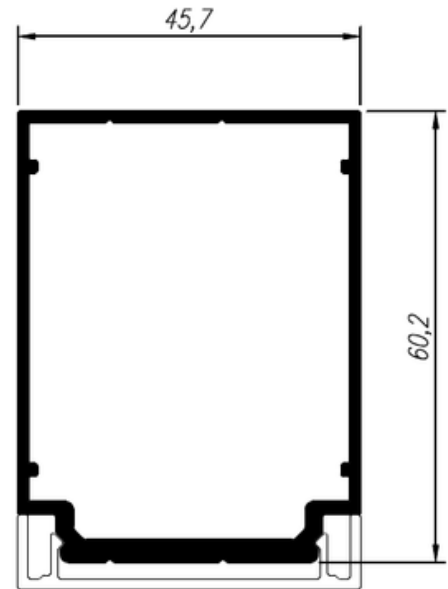
COMPLEMENTO ENCONTRO CENTRAL
ES-928
0,325 kg/m

PORTA DE CORRER 6 FOLHAS EURO 45

PERFIL DE REFORÇO

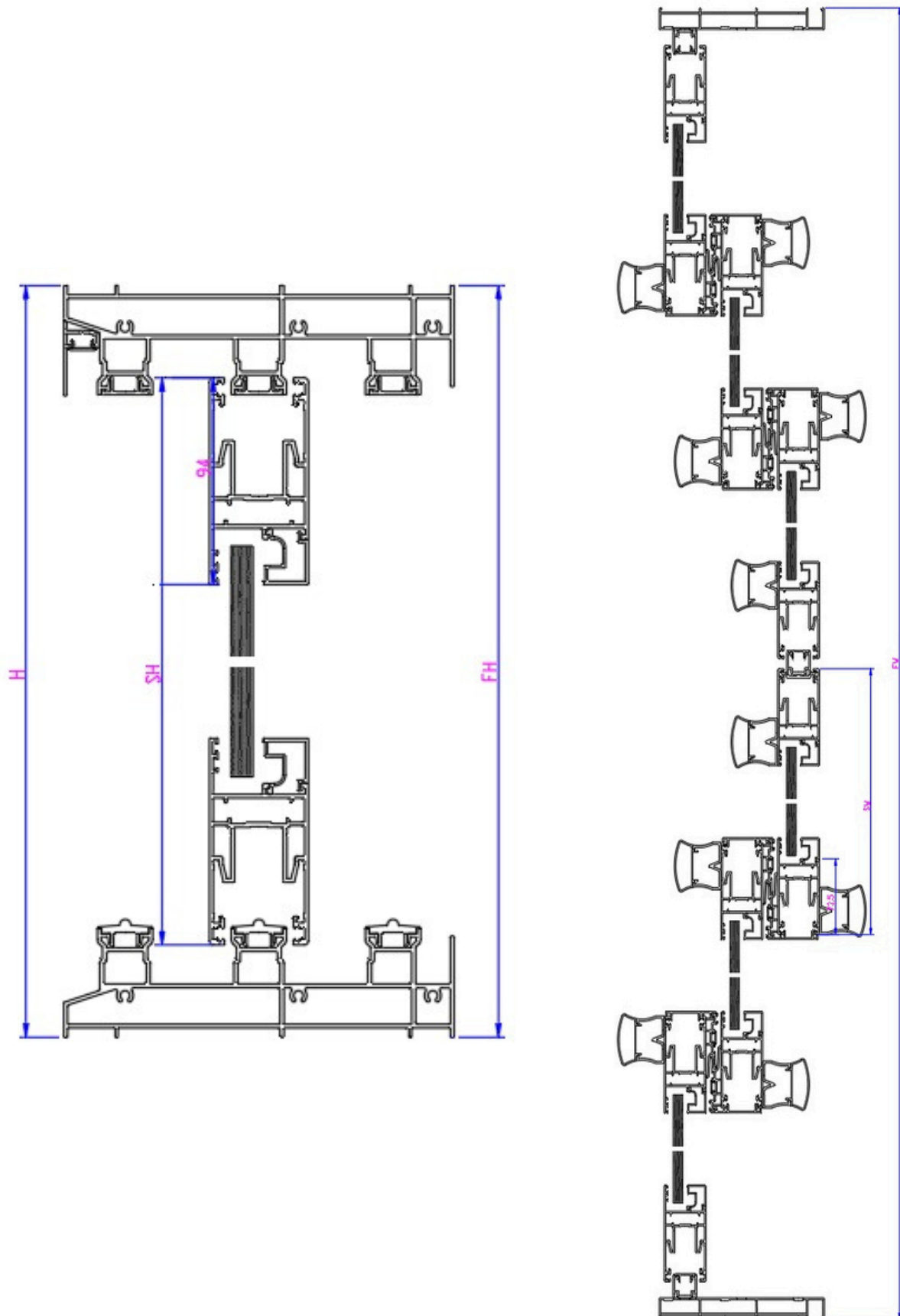
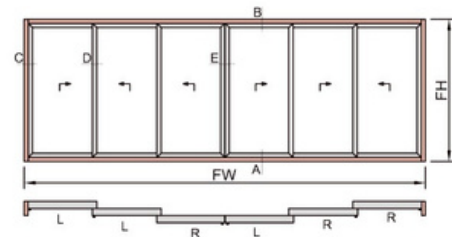


TAMPA REFORÇO
ES-1599
0,276 kg/m

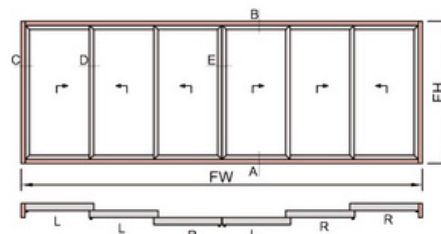


REFORÇO
ES-1600
0,977 kg/m

PORTA DE CORRER 6 FOLHAS EURO 45



PORTA DE CORRER 6 FOLHAS EURO 45



FOLGA DO VIDRO

LARGURA DO ES-915 –152,7 ->

$$545,8 - 152,7 = 393,1$$

ALTURA DO ES-915 –153 ->

$$2116 - 153 = 1963$$

Referências de Cotas	
SW	FW/6+45,8 ±1
SH	FH-84 ±1
H	FH ±1
L	FW ±1

EXEMPLO: PORTA DE CORRER 2 FOLHAS 3000 X2200

ES-1221 -> 3000 -41,6 = 2958,4 (X2) ES-922

-> 3000 -41,6 = 2958,4(X1) ES-710 -> 3000

-41,6 = 2958,4(X1) ES-936 -> 3000 -41,6 =

2958,4(X2) ES-936 -> 2200 -99,4 = 2100,6

(X2) ES-923 -> 3000 -88,8 = 2911,2 (X1) ES-

923 -> 3000 -41,6 = 2958,4(X2)

ES-1222 -> SEM FOLGA (X2)

ES-930 -> 2200 -99,4 = 2100,6 (X2)

ES-915 -> 3000/6 = 500 + 45,8 = 545,8 (X12) ES-915 -

> 2200 -84 = 2116 (X12)

ES-929 -> 2200 -84 = 2116 (X8)

ES-710 -> 2200 -84 = 2116 (X8)

ES-938 -> 2116 -55,6 = 2060,4 (X8)

ES-900 -> 545,8 -153 = 392,8 (X12)

ES-900 -> 2116 -153 = 1963 (X12)

ES-936 -> 2116 -110 = 1006 (X1)

ES-927 -> 2116 -110 = 1006 (X1)

ES-928 -> 2116 -110 = 1006 (X1)

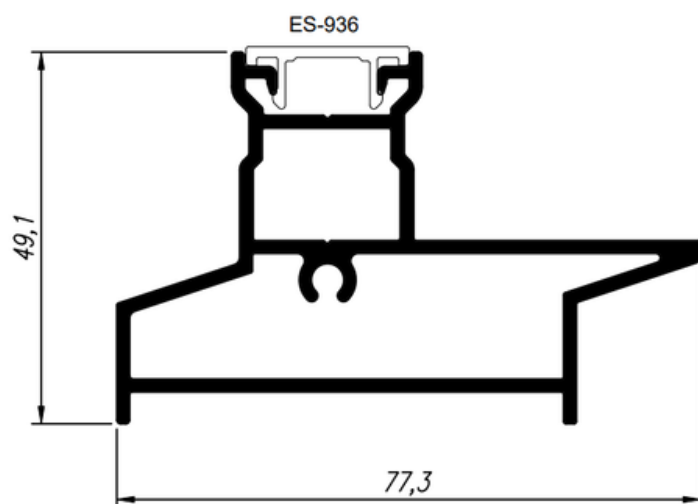
ES-1599 -> 2116 -99 = 2017 (X10)

ES-1600 -> 2116 -99 = 2017 (X10)

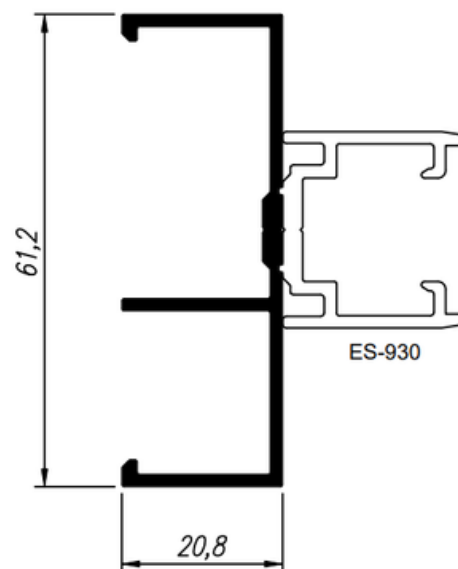
Formulas de Corte Perfis						
Perfil	Tipo de corte	Horizontal (FW)		Vertical (FH)		
		Quantidade	Formula de corte	Quantidade	Formula de corte	
ES-1221		2	FW-41,6 ±1			
ES-922		1	FW-41,6 ±1			
ES-710		1	FW-41,6 ±1			
ES-936		3	FW-41,6 ±1	3	FH-99,4 ±1	
ES-923		1	FW-88,8 ±1			
ES-923		2	FW-41,6 ±1			
ES-1222				2	FH ±1	
ES-930				2	FH-99,4 ±1	
ES-915		12	SW ±1	12	SH ±1	
ES-929				8	SH ±1	
ES-710				8	SH ±1	
ES-938				8	SH-55,6 ±1	
ES-900		12	SW-153 ±1	12	SH-153 ±1	
ES-936				1	SH-110 ±1	
ES-930				1	SH-110 ±1	
ES-928				1	SH-110 ±1	
ES-725				10	SH-99 ±1	
ES-903				10	SH-99 ±1	

EURO 45

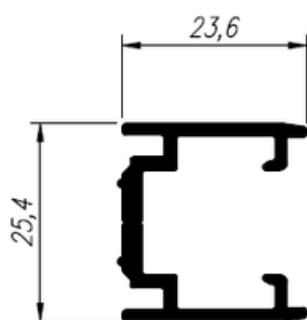
PERFIS COMPLEMENTARES



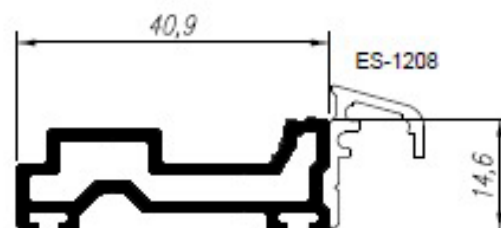
MARCO TRILHO
ES-1543
1,311 kg/m



MARCO LATERAL
ES-1544
0,554 kg/m



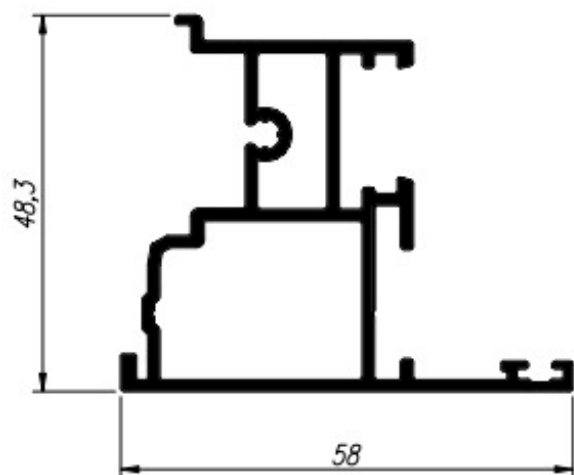
COMPLEMENTO MARCO LATERAL
ES-930
0,418 kg/m



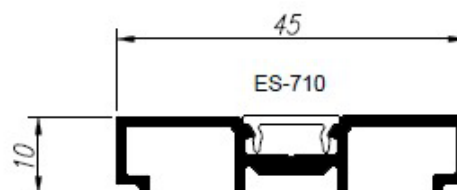
COMPLEMENTO FOLHA
ES-1220
0,462 kg/m

EURO 45

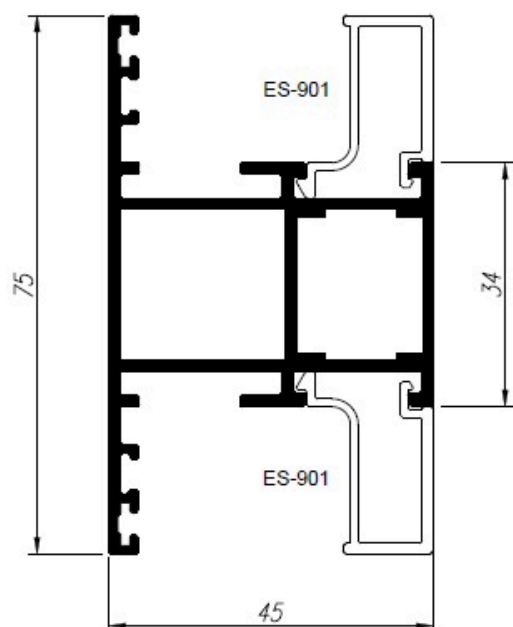
PERFIS COMPLEMENTARES



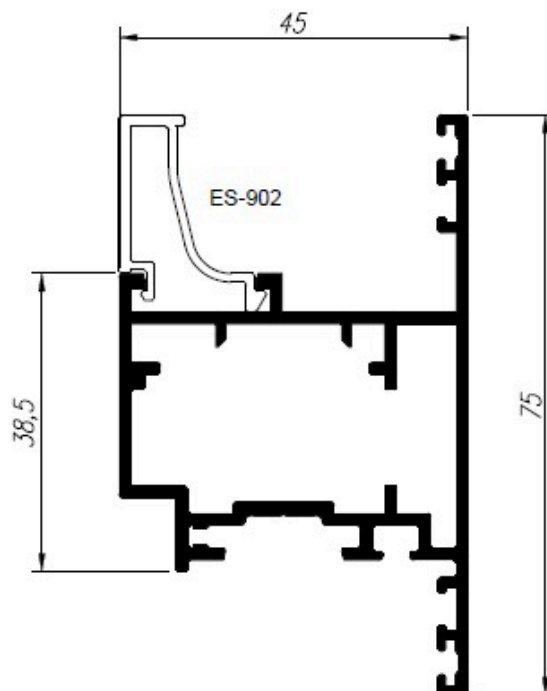
COMPLEMENTO FOLHA
ES-933
0,990 kg/m



SOLEIRA
ES-1224
0,311 kg/m



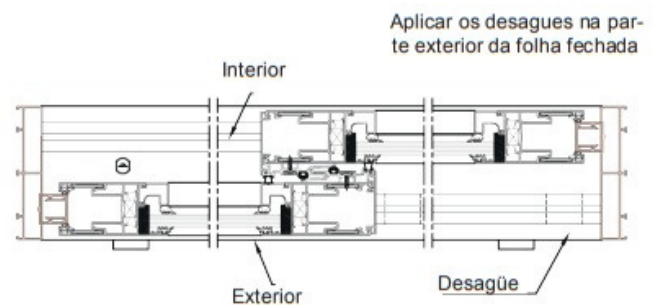
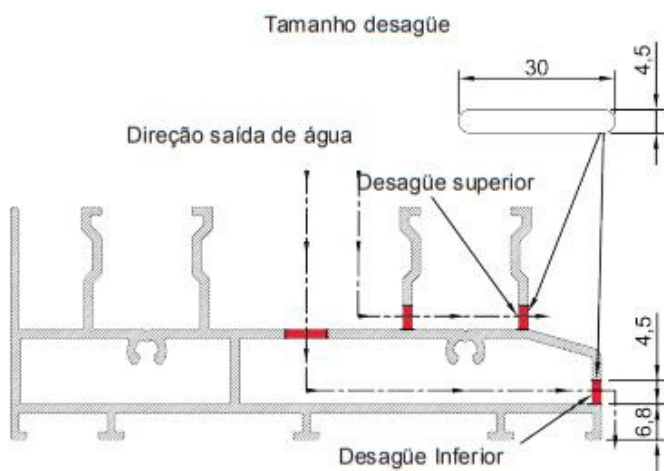
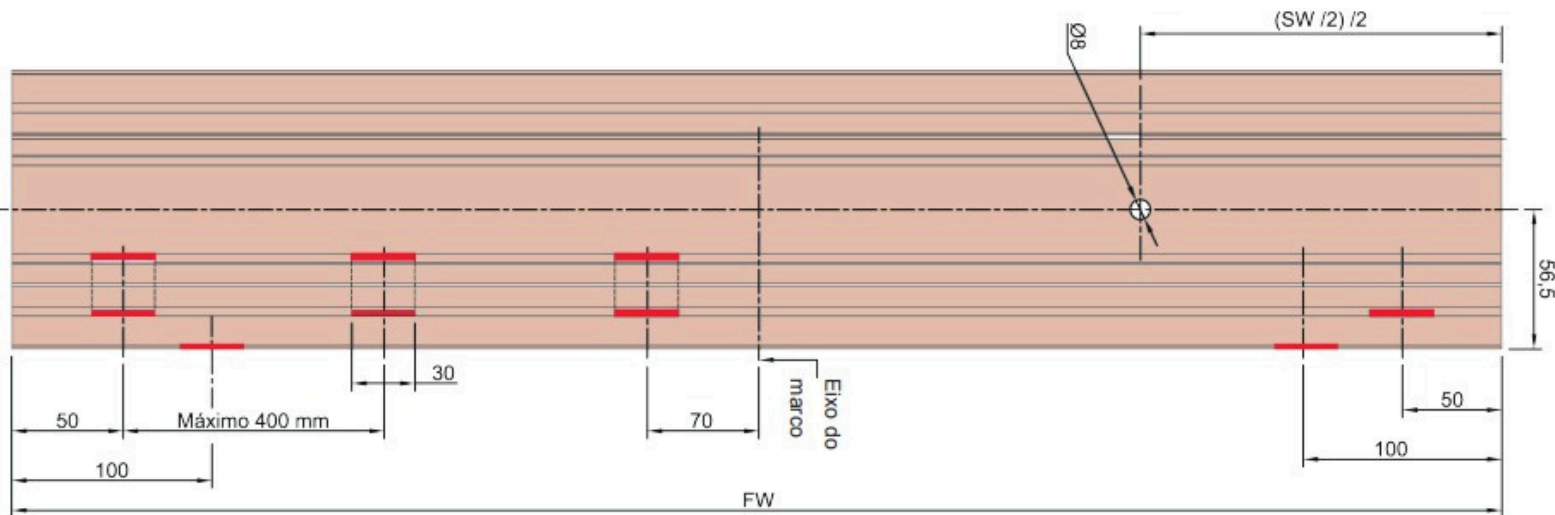
TRAVESSA
ES-918
1,130 kg/m



FOLHA
ES-917
1,110 kg/m

EURO 45

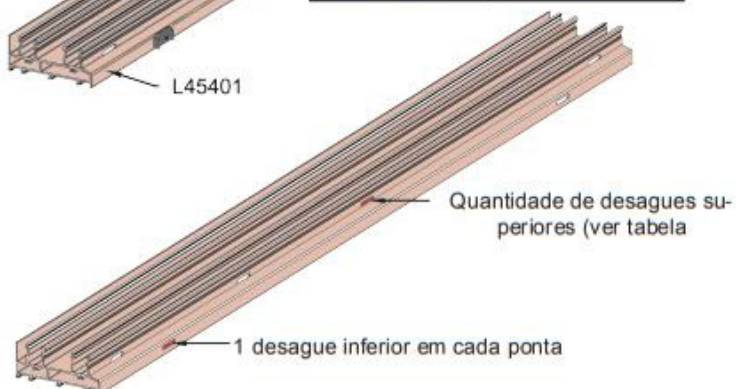
INSTRUÇÕES DE MONTAGEM (DRENO)



Aplicação

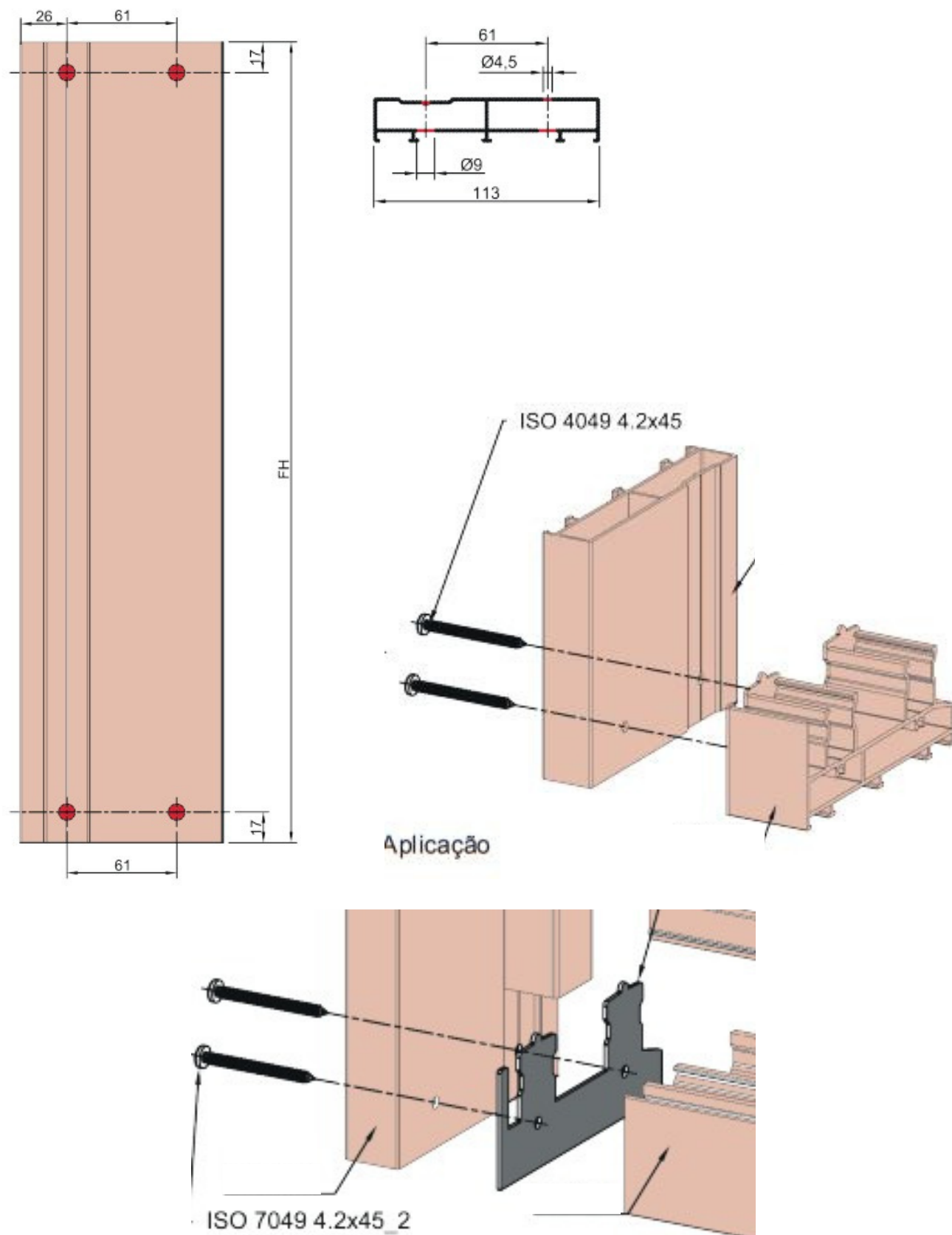


Quantidade de desagües	
SW	Quant.
800 a 1200	2
1201 a 2000	3
2001 a 2400	4



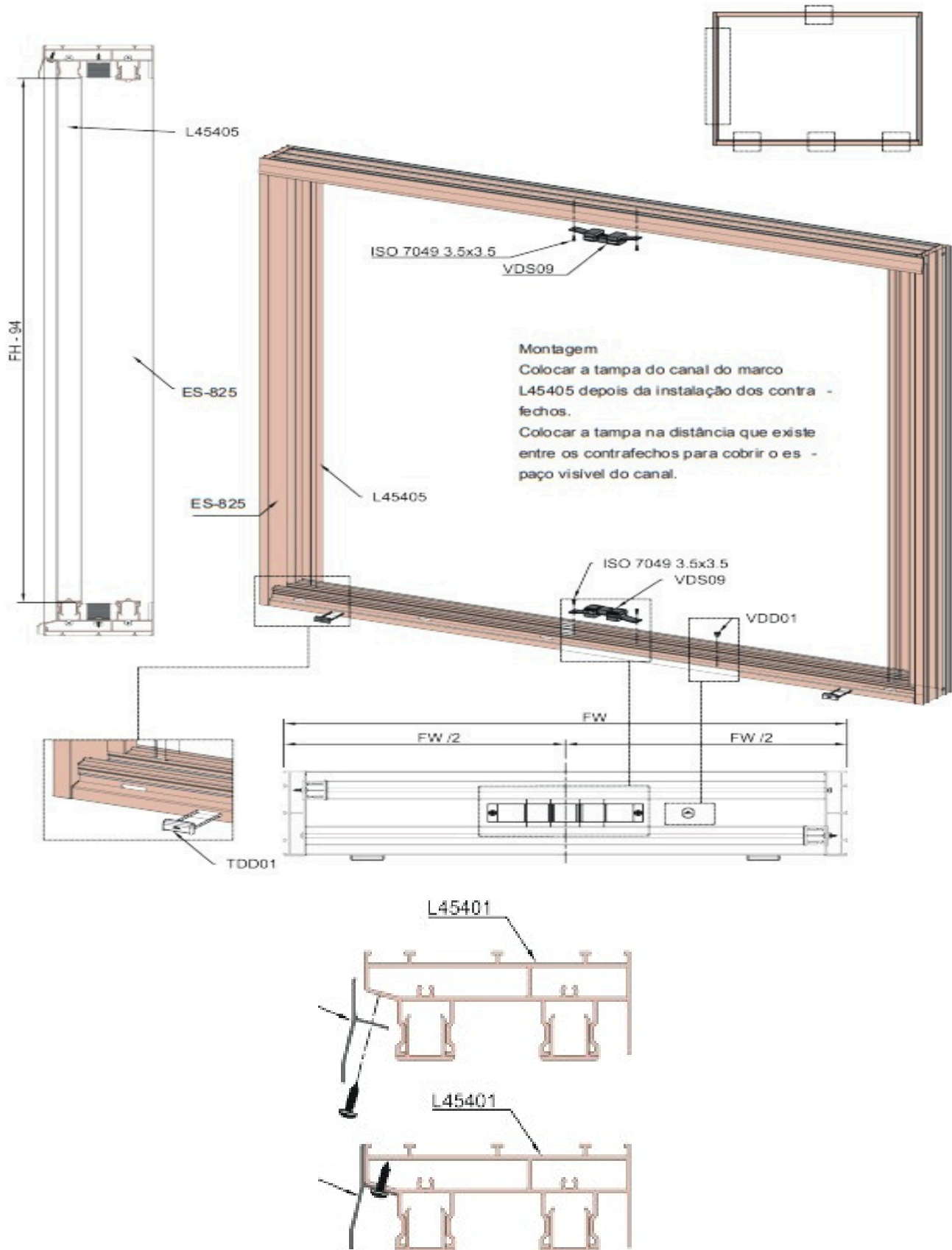
EURO 45

INSTRUÇÕES DE MONTAGEM



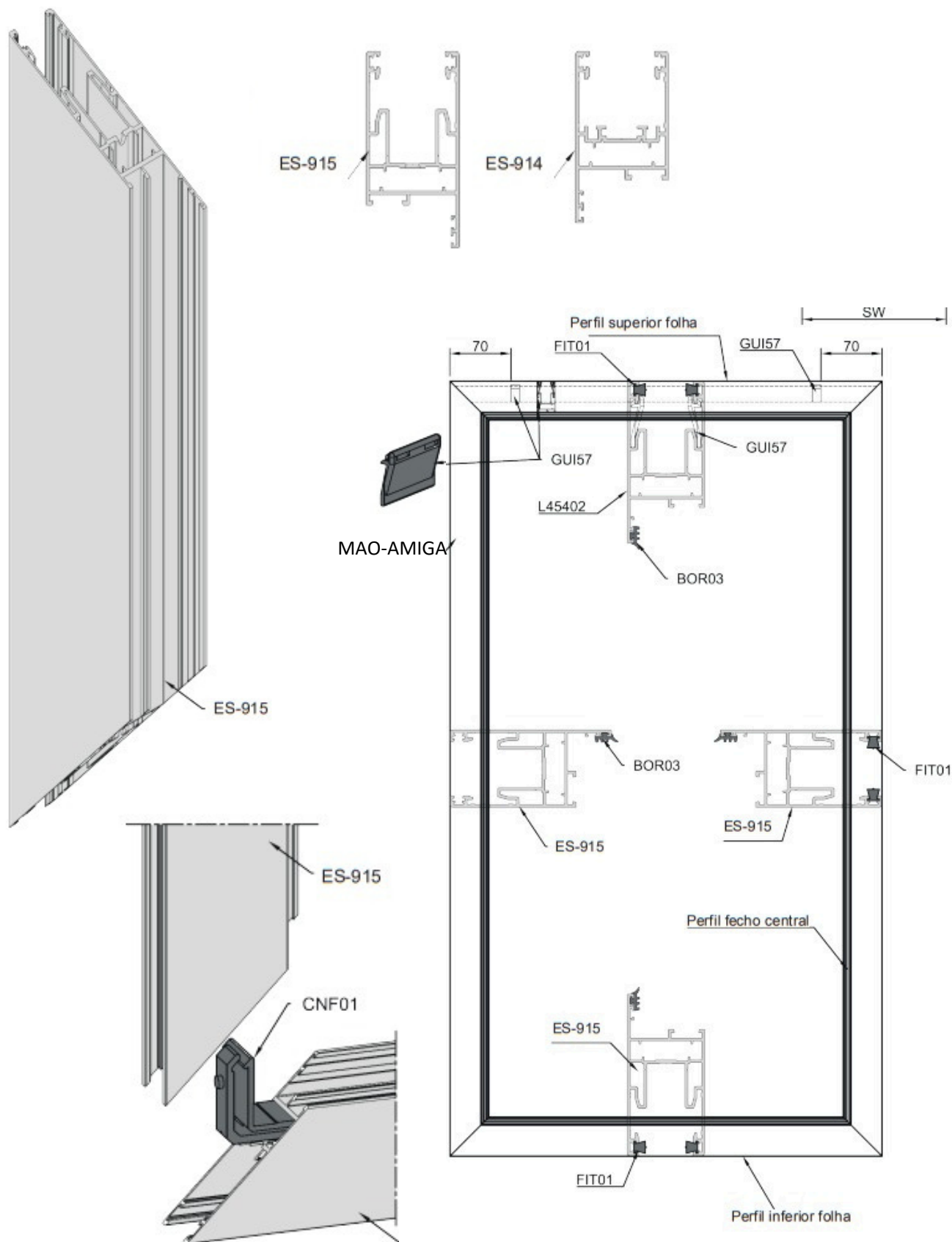
EURO 45

INSTRUÇÕES DE MONTAGEM



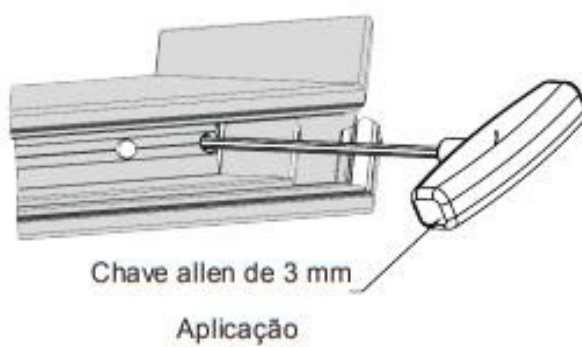
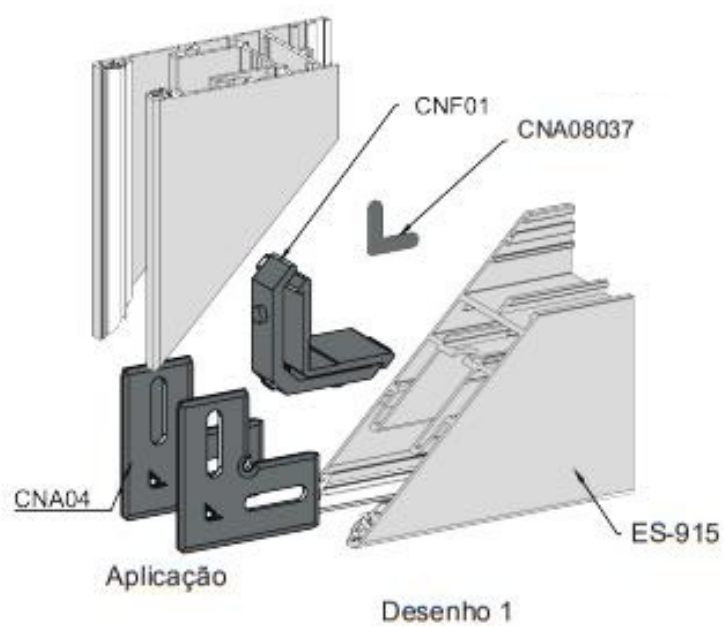
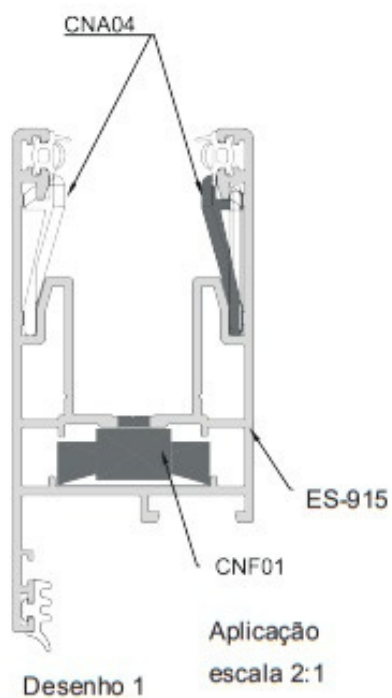
EURO 45

INSTRUÇÕES DE MONTAGEM



EURO 45

INSTRUÇÕES DE MONTAGEM

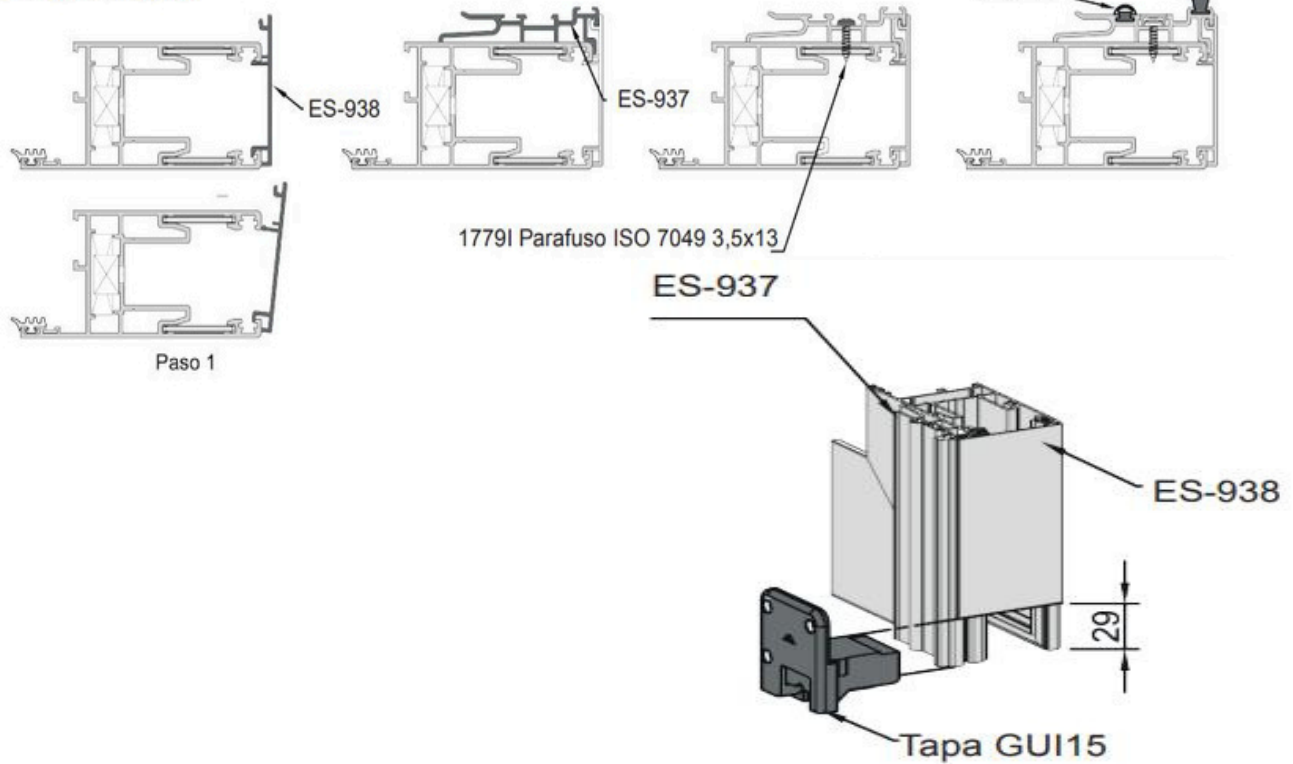


EURO 45

INSTRUÇÕES DE MONTAGEM

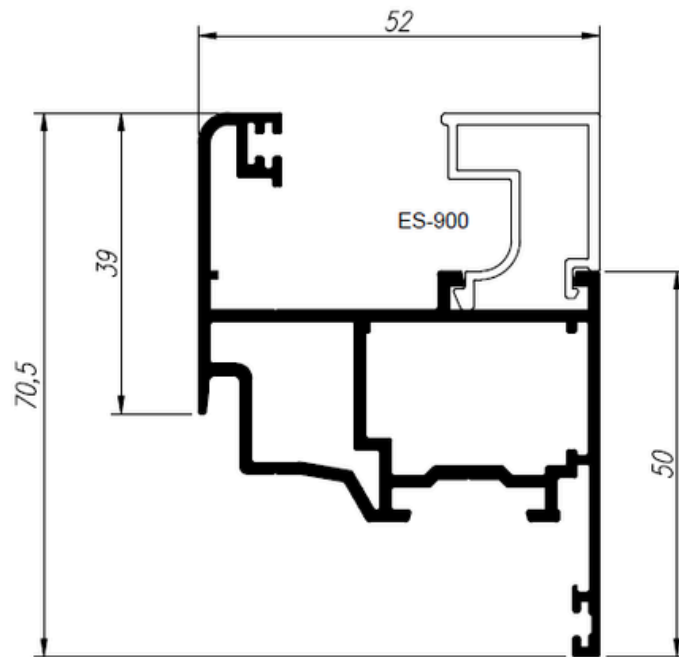
Passo a passo para a montagem do cruzamento das folhas

- ① Montar a tampa L45407 com pressão deixando uma distância de 28,5 mm na parte inferior e superior da folha
- ② Montar o perfil L45406 Fazer os furos usando uma broca de Ø3 mm
- ③ Apertar os parafusos 3,5x13 mm em cada furo
- ④ Instalar as borrachas e as escovas

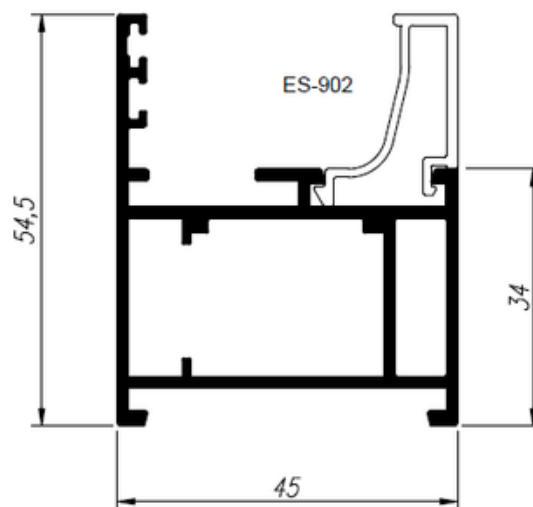


EURO 45

OSCILOBATENTE



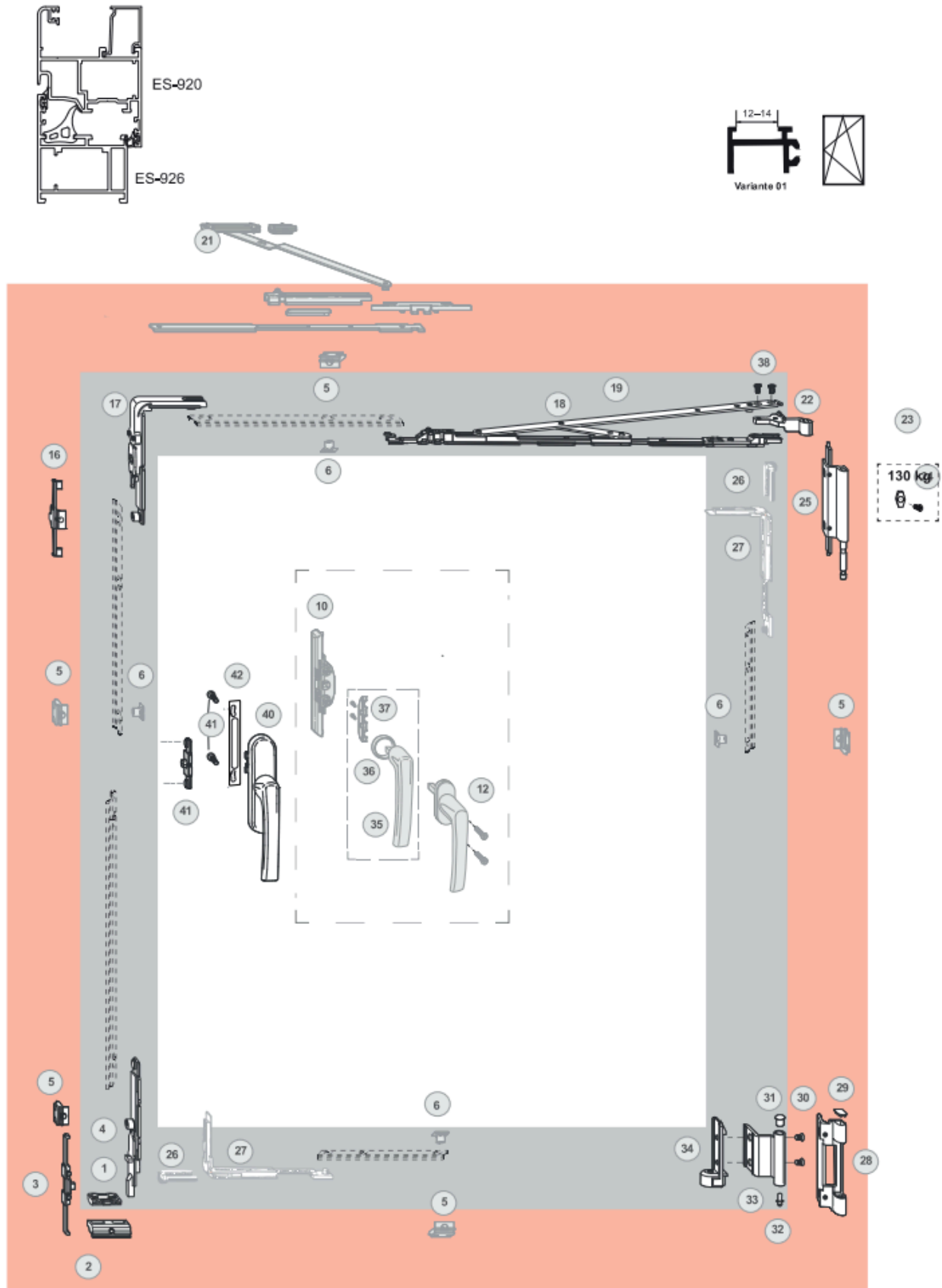
FOLHA
ES-920
1,154 kg/m



MARCO
ES-926
0,969 kg/m

EURO 45

OSCILOBATENTE



Intervalo de aplicação

SW – Largura da folha405mm – 1600mm

SH – Altura da folha.....520mm – 2400mm

S.kg_{máx} – Peso de folha.....máx. 130kg**Braço, 1 ud**

Pos. Descrição	Mat. Nº
18 Braço 600	377451
19 Braço 400	377452

Componentes de fecho, 1 ud.

331268

Pos. Descrição

1 Trínco
4 Pontal de Inclinação
2 Contra fecho inclinação
3 Seguro anti-alavanca
5 Contrafecho
16 Contrafecho com amortecedor falsa manobra
17 Ângulo de mudança com falsa manobra

Maçaneta Rotoline c/garfo 26mm, 1 ud.

Pos. Descrição	Mat. Nº
40 Maçaneta Rotoline Preto	377475
40 Maçaneta Rotoline Branco	739886
40 Maçaneta Rotoline Titânio	335880
41 Kit de conexão para Maçaneta, 1 ud.	335184
42 Placa de reforço, 1 ud.	331937

Dobradiças

Pos. Descrição	Mat. Nº
Jogo de dobradiça Preto, 1 ud.	378314
33 Dobradiça angular	
28 Dobradiça Pivô	
22 Dobradiça do braço	
25 Suporte do braço	
Jogo de dobradiça Branco, 1 ud.	644246
33 Dobradiça angular	
28 Dobradiça Pivô	
22 Dobradiça do braço	
25 Suporte do braço	
Jogo de dobradiça Titânio, 1 ud.	714304
33 Dobradiça angular	
28 Dobradiça Pivô	
22 Dobradiça do braço	
25 Suporte do braço	

Conjunto de acessórios incluídos nos jogos dobradiça

34 Suporte de fixação
32 Pivô angular
31 Tampa de dobradiça angular ALU540
30 Parafuso M5X9 azul
38 Parafuso Escareado M5X8 Vermelho
29 Tampa da dobradiça

barra de comando,

Pos. Descrição	Mat. Nº
Barra de comando (6 m)	B334665

Dependendo do tamanho:**Componentes de fecho SW>1301, SH>1201, 1 ud 334668**

Pos. Descrição

27 Fecho central Vert./Horiz.
26 Garfo de fixação
5 Contrafecho
6 Fecho

21 Segundo braço, SW>1301, 1 ud. 331024**Pontos de fecho SW>1300, SH>1200, 1 ud**

Pos. Descrição	Mat. Nº
5 Contrafecho	212633
6 Fecho	334671

Maçanetas opcionais**Maçaneta s/roseta 25 mm, 1 ud**

Pos. Descrição	Mat. Nº
35 Maçaneta Rotoline Preto	377909
35 Maçaneta Rotoline Branco	644193
35 Maçaneta Rotoline Titânio	619288

Anel para maçaneta S/roseta, 1 ud

Pos. Descrição	Mat. Nº
36 Anel para maçaneta Preto	377980
36 Anel para maçaneta Branco	644194
36 Anel para maçaneta Titânio	619290
37 Placa de fixação, 1 ud	378134

Maçaneta Rotoline 24 mm, 1 ud

Pos. Descrição	Mat. Nº
12 Maçaneta Rotoline Secustik Preto	738919
12 Maçaneta Rotoline Secustik Branco	738920
12 Maçaneta Rotoline Secustik Titânio	738921
10 Mecanismo da maçaneta, 1 ud	378338

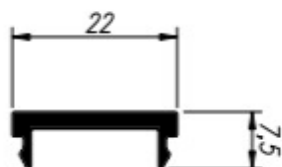
Materiais especiais com prazo de entrega maior:

Peso superior à 130 kg, 1 ud	377461
24 Dispositivo de fixação	
23 Parafuso 4.8X16	

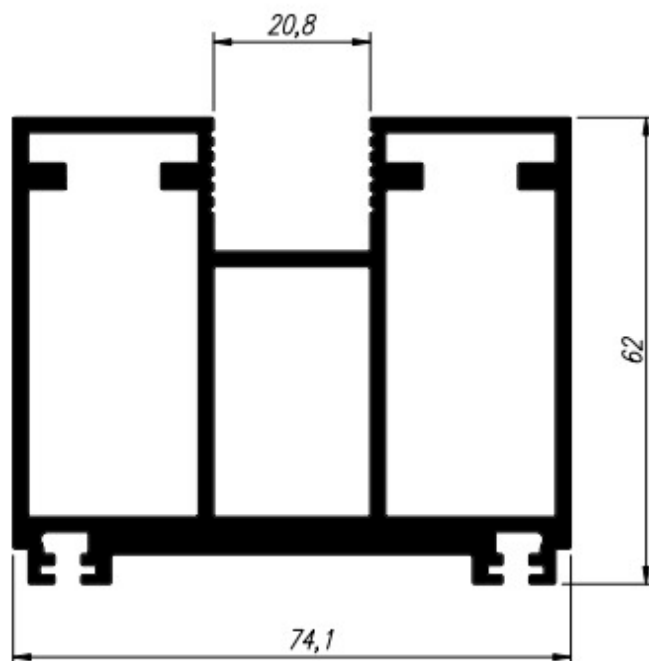
EURO 45



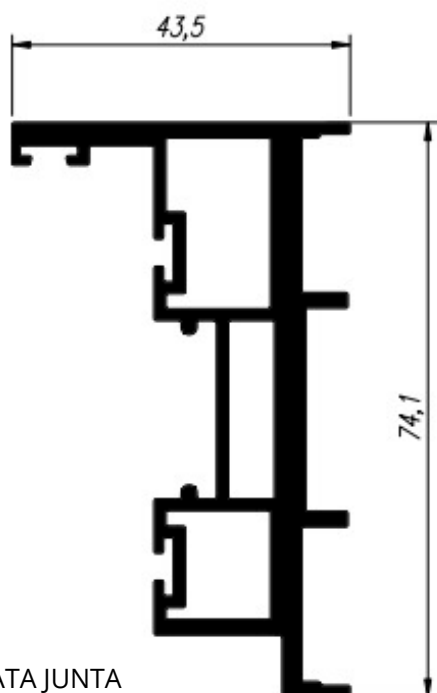
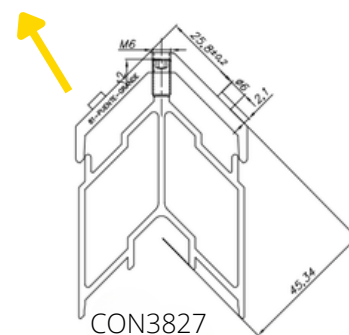
PIVOTANTE



TAMPA
ES-2232
0,170 kg/m



FOLHA
ES-2230
2,712 kg/m



MATA JUNTA
ES-2231
1,679 kg/m

PIVOTANTE

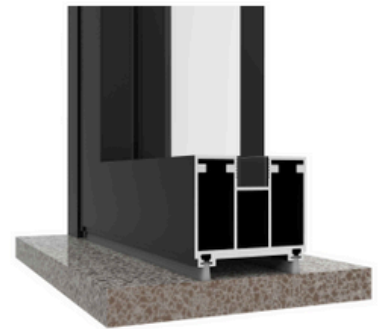
O sistema pivotante é caracterizado por sua agilidade na instalação e acessório não aparente. Com abertura leve e grandes vãos. Conta com pivo embutido na porta, assim como opção de lambri e vidro.

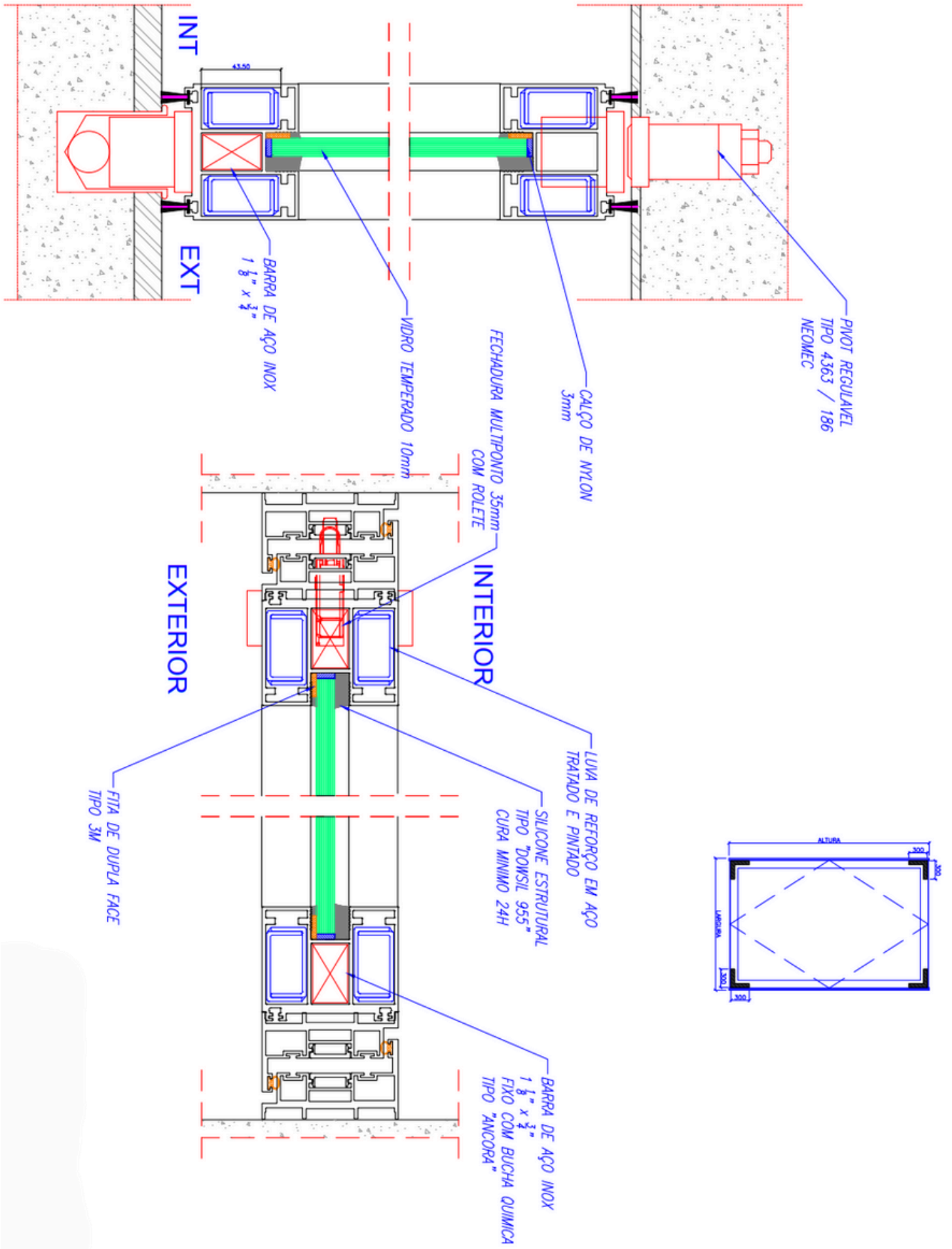
CARACTERÍSTICAS

Largura de Folha: 1000 mm / 2000 mm;
 Altura de folha: 2200 mm / 5000 mm;
 Sistema Correr : Capacidade 500 kg por folha;
 Bitola de vidro: 8 mm à 16 mm;
 Largura folha e marco: 74 mm.



Exigências de desempenho estabelecidas pelas normas ABNT NBR 10.821 e ABNT NBR 15.575

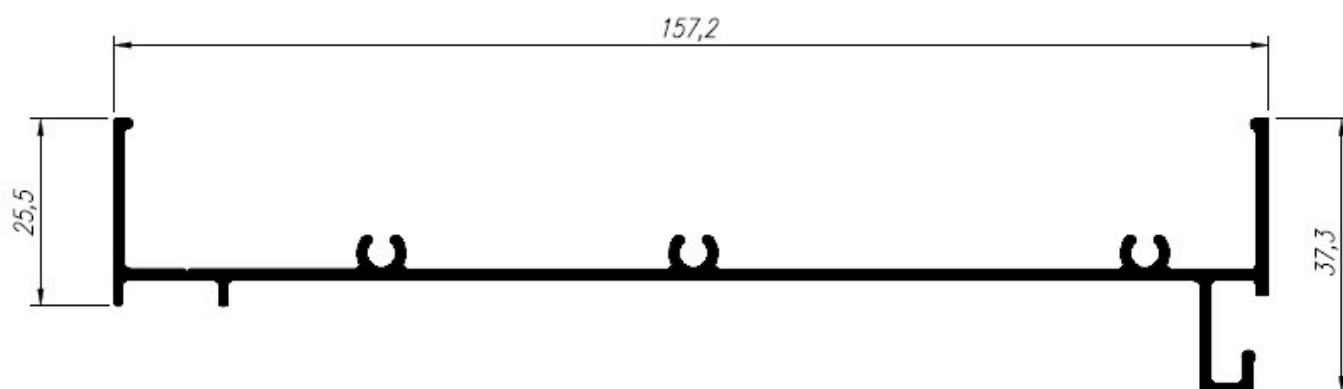




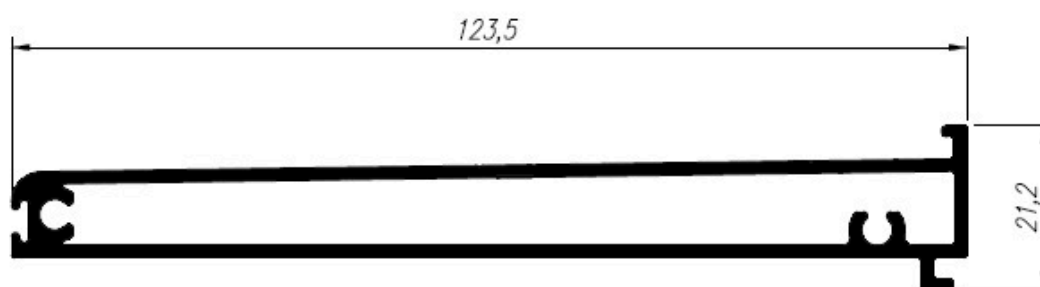
EURO 45



INTEGRADA



MARCO SUPERIOR
ES-940
1,071 kg/m

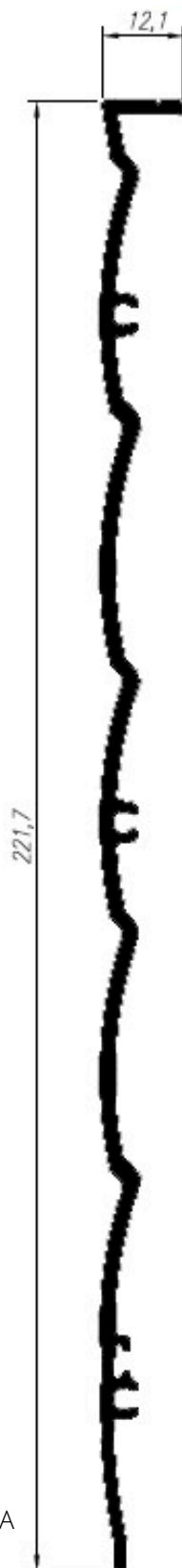


MARCO INTERMEDIARIO
ES-943
1,312 kg/m

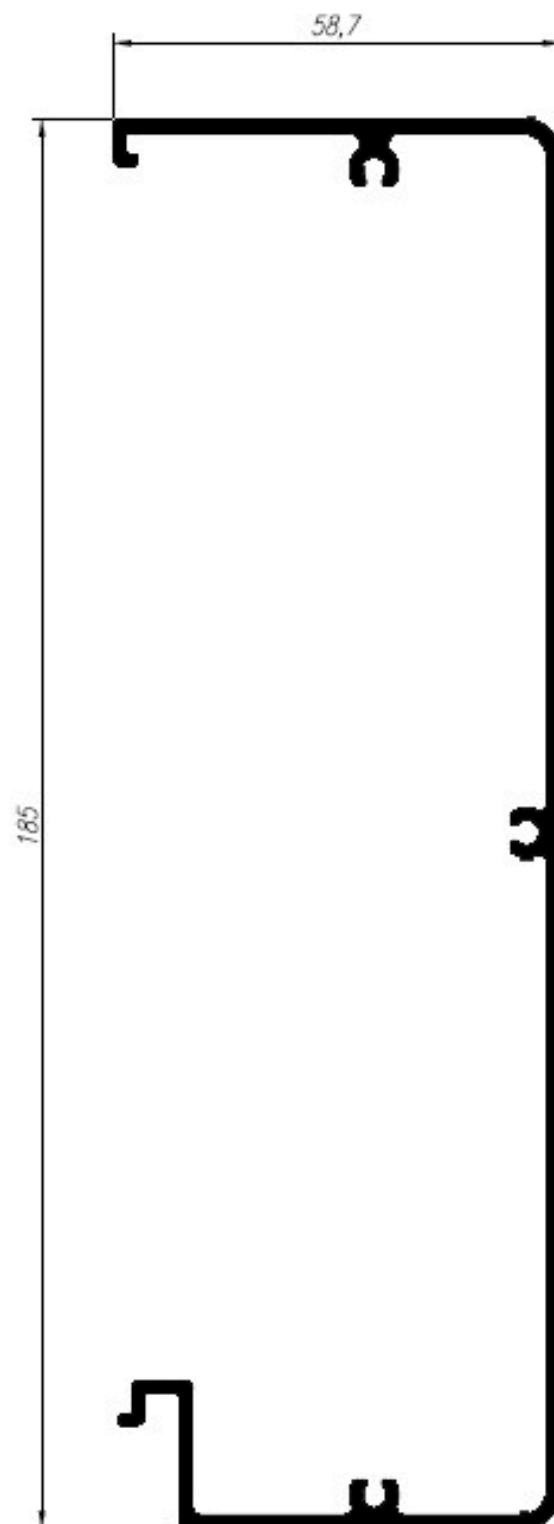
EURO 45



INTEGRADA



TAMPA EXTERNA
ES-941
1,316 kg/m

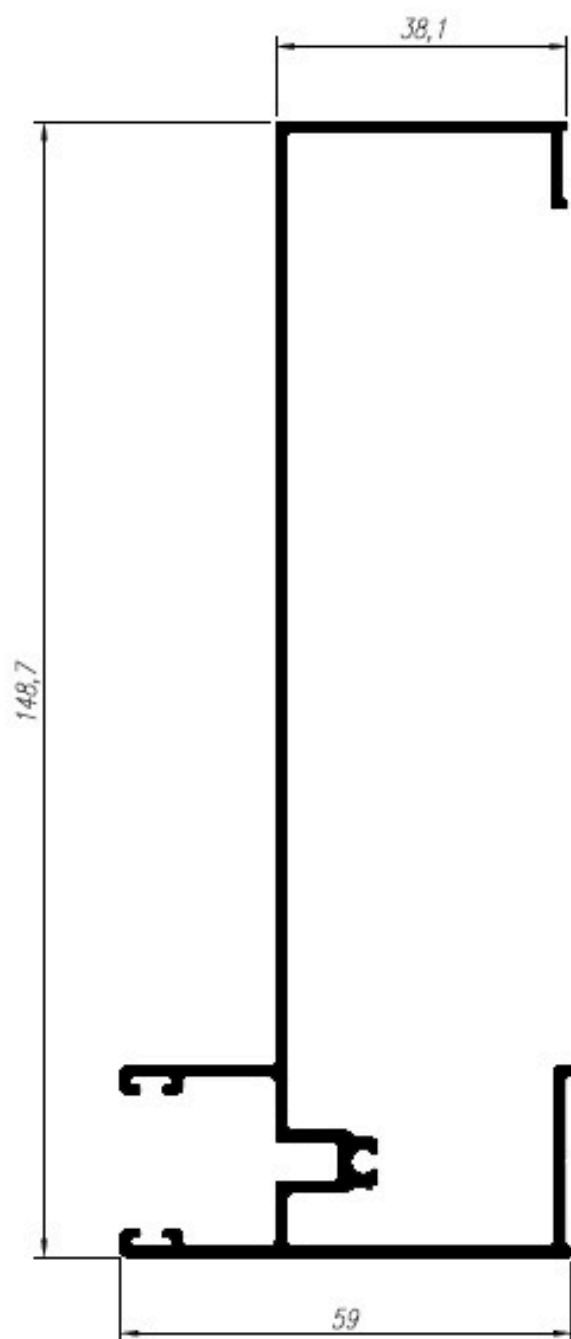


TAMPA INTERNA
ES-942
1,729 kg/m

EURO 45



INTEGRADA

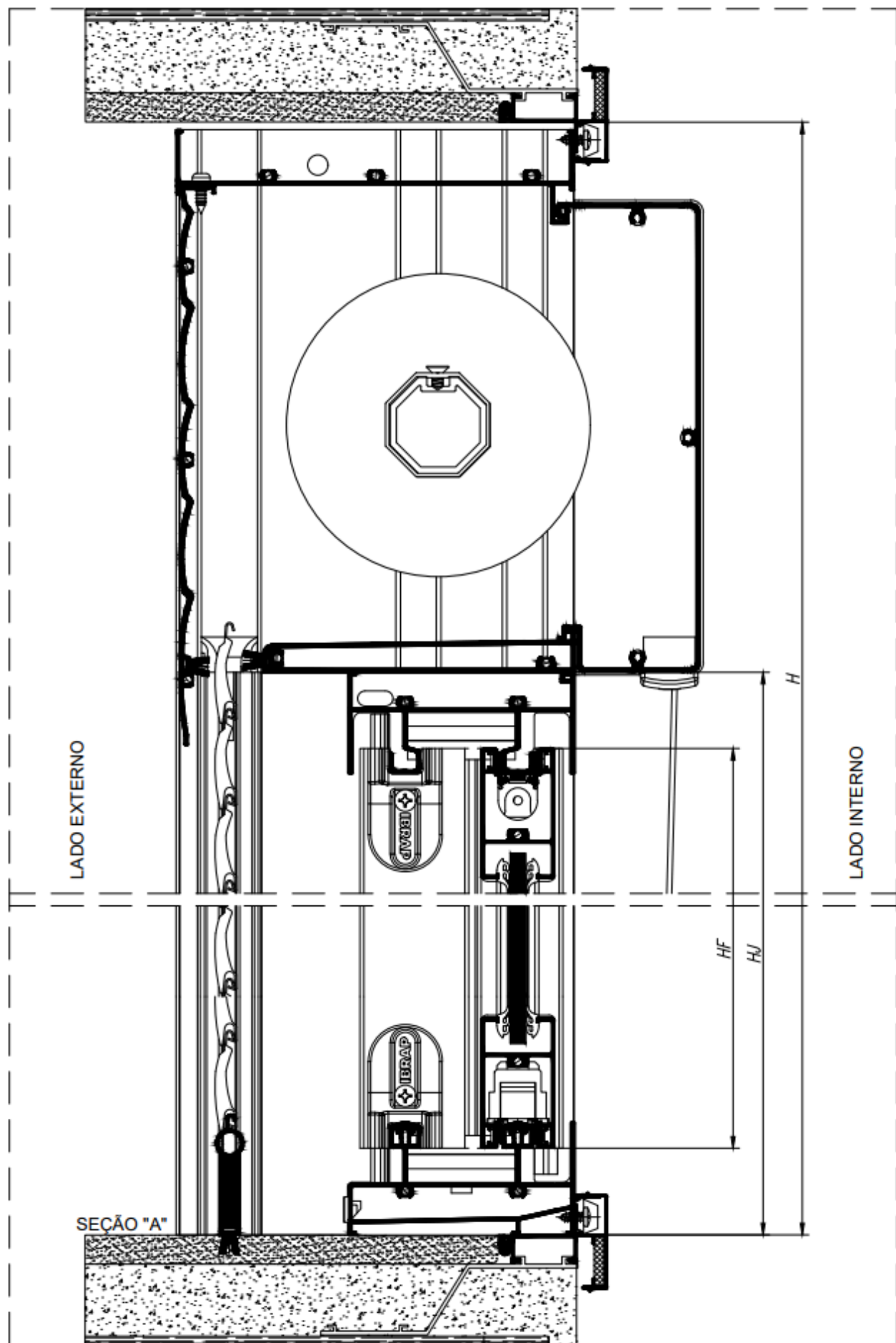


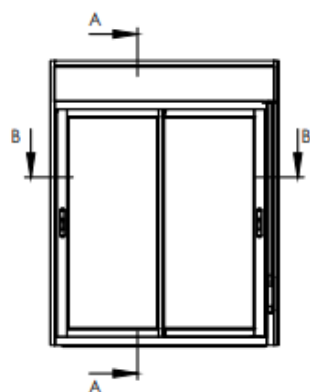
GUIA PERSIANA PASSADOR
ES-1099
1,177 kg/m



MARCO LATERAL COMPLEMENTAR
ES-935
0,862 kg/m

JANELA DE CORRER 2 FOLHAS COM PERSIANA INTEGRADA MANUAL





REFERÊNCIAS DE COTAS						
H	ALTURA	H				
L	LARGURA	L				
HJ	ALTURA JANELA	H - 213,9				
HF	ALTURA FOLHA	H - 279,2				
LF	LARGURA FOLHA	(L-75,5)/2				
P	PERIMETRO	(H * 2) + (L * 2)				
CORTE DE PERFIS						
PERFIL		TIPO CORTE	LARGURA		ALTURA	
			QTD.	MEDIDA	QTD.	MEDIDA
ES-940		90° 90°	1	L - 44		
ES-941		90° 90°	1	L - 44		
ES-942		90° 90°	1	L - 44		
ES-943		90° 90°	1	L - 44		
E-5622		90° 90°	1	L - 119,2		
ES-1098		90° 90°			1	H - 214,8
ES-1099		90° 90°			1	H - 214,8
ES-1134		90° 90°	1	L - 128,2		
ES-2561		90° 90°	1	L - 82,1		
ES-2562		90° 90°	1	L - 82,1		
ES-2228		90° 90°	4	LF - 60,1		
ES-2680		90° 90°	2	L - 82,1		
ES-2565		90° 90°			2	HJ - 37,7
ES-2227		90° 90°			2	HF
ES-2455		90° 90°			2	HF
ES-935		90° 90°			2	H
FÓRMULA DE CORTE DOS VIDROS						
Vidro	Quantidade	Formula de corte L		Formula de corte H		
1	2	LF - 60,1		HF - 81		



saiba mais!



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Bairro Água Branca - Francisco Beltrão/PR**

Edição: Abril 2025

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