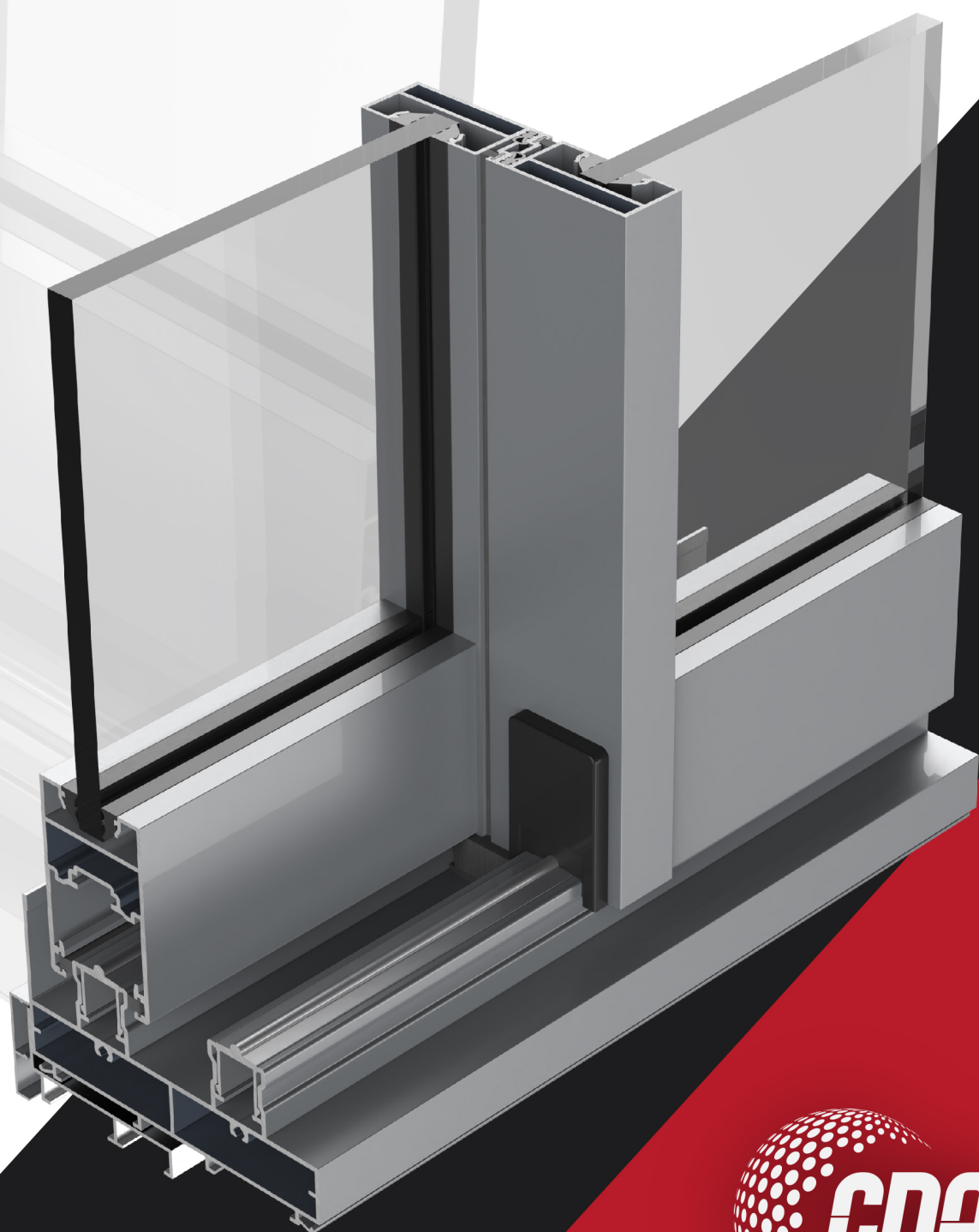


CATÁLOGO TÉCNICO

SILENT S

SISTEMAS DE ESQUADRIAS DESLIZANTES



REV.03
(JUL/2025)

Essa versão, anula e
substitui as anteriores.



Sumário interativo

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Montagens

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Aplicações

O GRUPO CDA METAIS

Atua no desenvolvimento de sistemas de esquadrias e fachadas, extrusão, pintura eletrostática e distribuição de alumínio para todo o Brasil.



CENTROS COMERCIAIS



DIADEMA - SP



PORTO ALEGRE - RS



CAMBORÚ - SC



CURITIBA - PR



RECIFE - PE

FÁBRICAS



COLATINA - ES



ITAPEVA - MG



CANDEIAS - BA

NOSSOS PRODUTOS



NBR 10.821 **NBR 15.575** **NBR 14.718**

Sistemas homologados que combinam tecnologia, design e alto desempenho!



DESEMPENHO
ACÚSTICO



DESEMPENHO
ESTRUTURAL



PERMEABILIDADE
AO AR



ESTANQUEIDADE
À ÁGUA

CAPACIDADE PRODUTIVA



O grupo CDA Metais conta com **4 prensas de extrusão** de tecnologia italiana, sendo três de 7 polegadas com 1800 toneladas métricas de força, e uma de 10 polegadas com 3.300 toneladas métricas.

3.500

TONELADAS MENSAIS
DE EXTRUSÃO

Com isso, o parque fabril da CDA possui capacidade de **3.500 toneladas mensais de extrusão** de perfis de alumínio.

PINTURA ELETROSTÁTICA

O Grupo CDA Metais possui linhas de pintura vertical e horizontal com tecnologia de pintura a disco e pistolas convencionais, garantindo uma camada uniforme de poliéster e maior reaproveitamento de resíduos de pó. Em parceria com fornecedores, desenvolveram um processo de lavagem isento de cromo e um sistema de desengraxe e desoxidação ácido, eliminando o uso de produtos alcalinos.



Todas as modificações realizadas nas linhas de pintura foram acompanhadas e validadas pelos nossos fornecedores de produtos químicos e de tinta, os quais possuem os seus processos homologados pela Qualicoat. Dessa forma, possuímos o certificado de Aplicador Homologado com base na Norma Qualicoat 15ª Edição, dentro do Programa EAS (Epristinta Architectural Service).



2.200

TONELADAS MENSAIS DE
PINTURA ELETROSTÁTICA

ISO 9001
ISO 14001

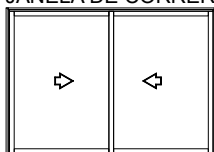
BUREAU VERITAS
Certification



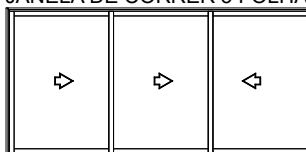
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Tipologias

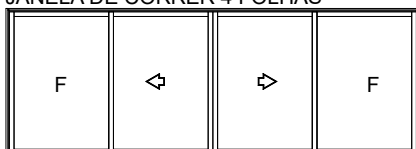
JC200
JANELA DE CORRER 2 FOLHAS



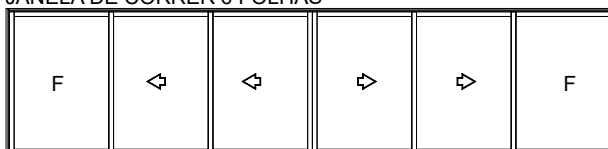
JC300
JANELA DE CORRER 3 FOLHAS



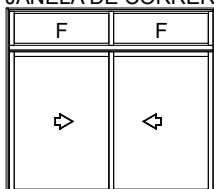
JC400
JANELA DE CORRER 4 FOLHAS



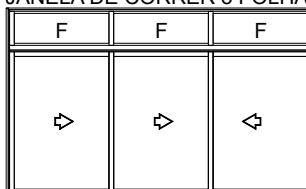
JC600
JANELA DE CORRER 6 FOLHAS



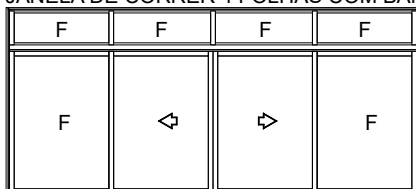
JC201
JANELA DE CORRER 2 FOLHAS COM BANDEIRA FIXA



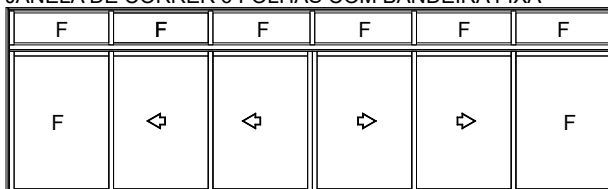
JC301
JANELA DE CORRER 3 FOLHAS COM BANDEIRA FIXA



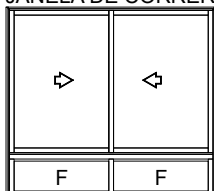
JC401
JANELA DE CORRER 4 FOLHAS COM BANDEIRA FIXA



JC601
JANELA DE CORRER 6 FOLHAS COM BANDEIRA FIXA

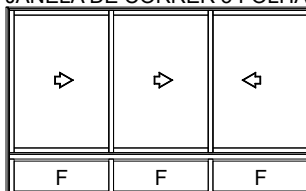


JC202
JANELA DE CORRER 2 FOLHAS COM PEITORIL FIXO



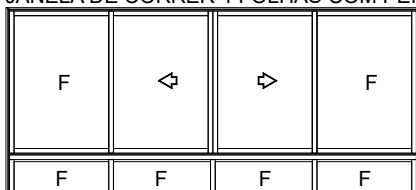
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JC302
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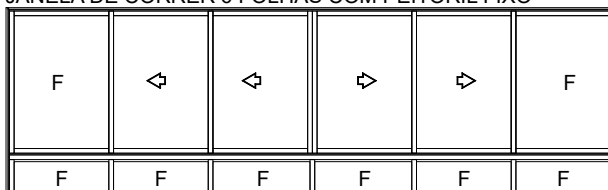
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JC402
JANELA DE CORRER 4 FOLHAS COM PEITORIL FIXO



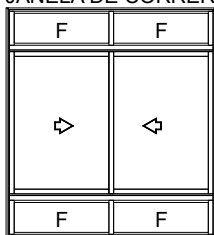
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JC602
JANELA DE CORRER 6 FOLHAS COM PEITORIL FIXO



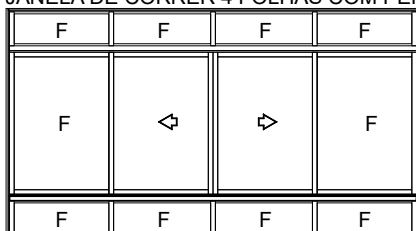
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JC203
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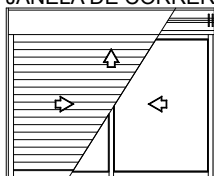
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JC403
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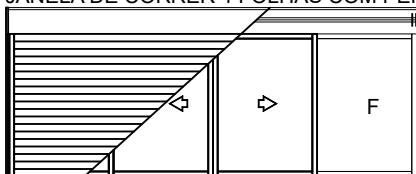


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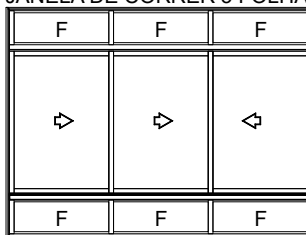
IJC200
JANELA DE CORRER 2 FOLHAS COM PERSIANA INTEGRADA



IJC400
JANELA DE CORRER 4 FOLHAS COM PERSIANA INTEGRADA

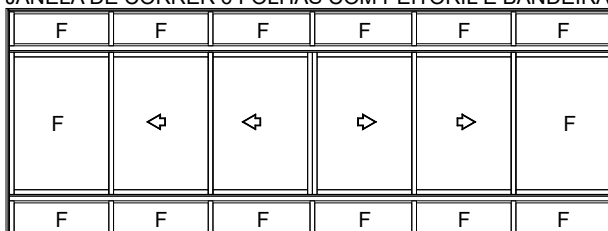


JC303
JANELA DE CORRER 3 FOLHAS COM PEITORIL E BANDEIRA FIXOS



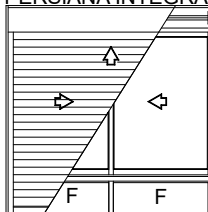
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JC603
JANELA DE CORRER 6 FOLHAS COM PEITORIL E BANDEIRA FIXOS



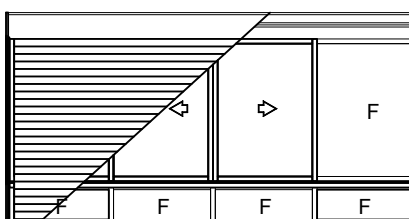
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IJC202
JANELA DE CORRER 2 FOLHAS COM PEITORIL FIXO COM PERSIANA INTEGRADA

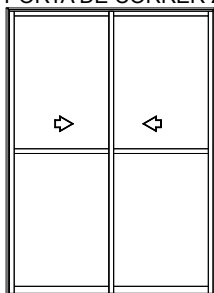


* Peitoril não tem função de guarda corpo para essa tipologia

IJC402
JANELA DE CORRER 4 FOLHAS COM PERSIANA INTEGRADA COM PEITORIL FIXO

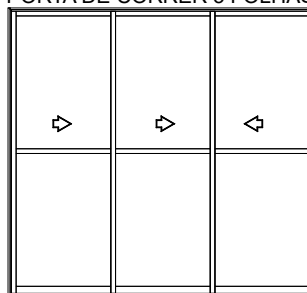


PC200
PORTA DE CORRER 2 FOLHAS



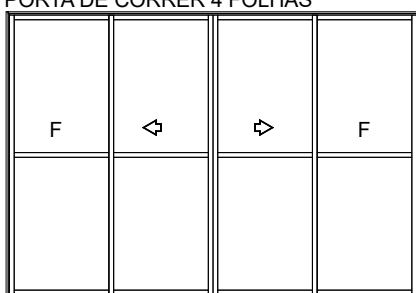
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PC300
PORTA DE CORRER 3 FOLHAS



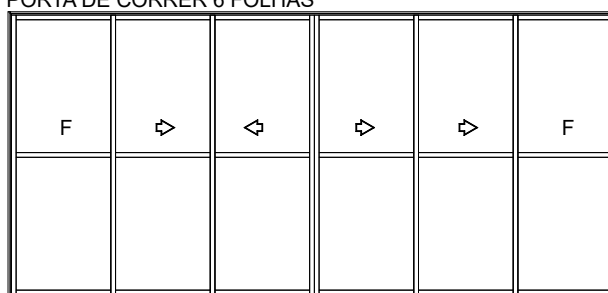
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PC400
PORTA DE CORRER 4 FOLHAS



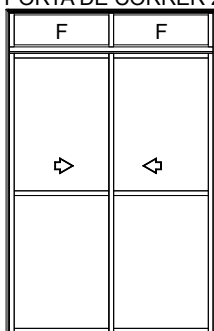
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PC600
PORTA DE CORRER 6 FOLHAS



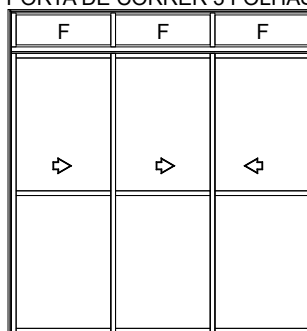
* Solução com travessa ou sem travessa

PC201
PORTA DE CORRER 2 FOLHAS COM BANDEIRA FIXA



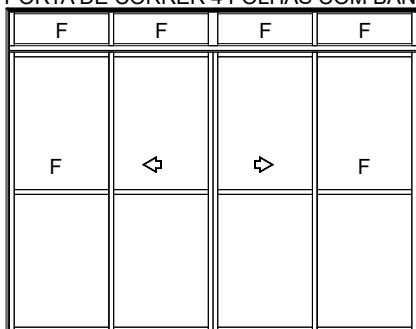
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PC301
PORTA DE CORRER 3 FOLHAS COM BANDEIRA FIXA



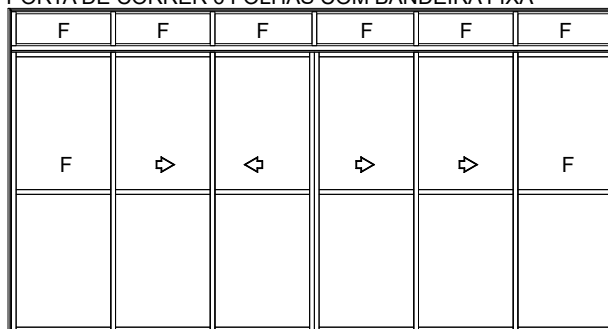
* Solução com travessa ou sem travessa

PC401
PORTA DE CORRER 4 FOLHAS COM BANDEIRA FIXA



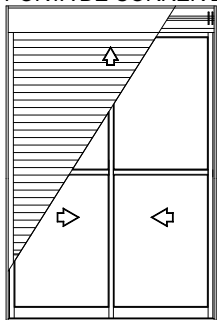
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PC601
PORTA DE CORRER 6 FOLHAS COM BANDEIRA FIXA



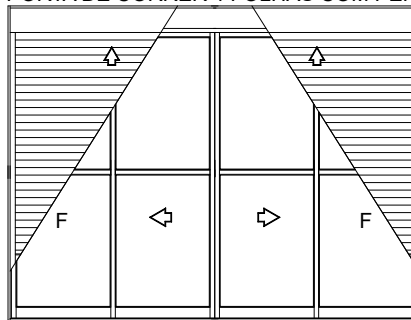
* Solução com travessa ou sem travessa

IPC200
PORTA DE CORRER 2 FOLHAS COM PERSIANA INTEGRADA



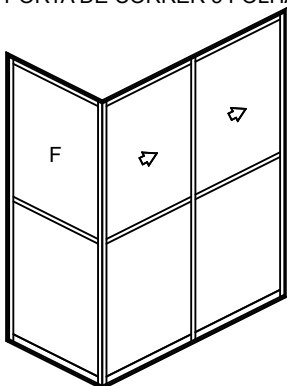
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IPC400
PORTA DE CORRER 4 FOLHAS COM PERSIANA INTEGRADA

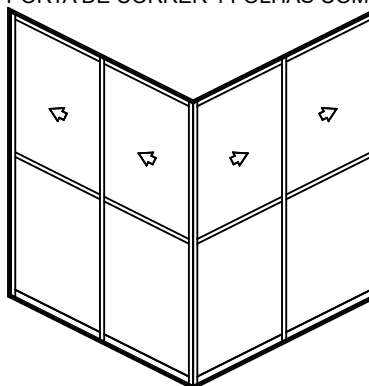


* Solução com travessa ou sem travessa

PC390
PORTA DE CORRER 3 FOLHAS COM CANTO EM 90° GRAUS



PC490
PORTA DE CORRER 4 FOLHAS COM CANTO EM 90° GRAUS

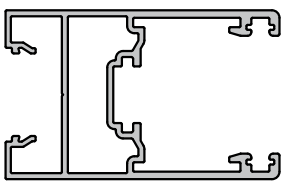


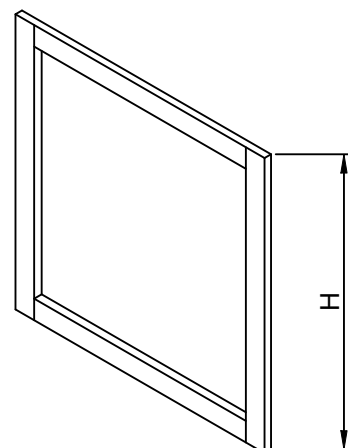
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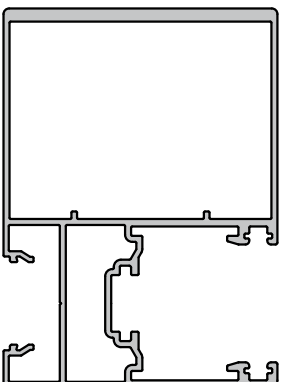
Cálculo Estructural

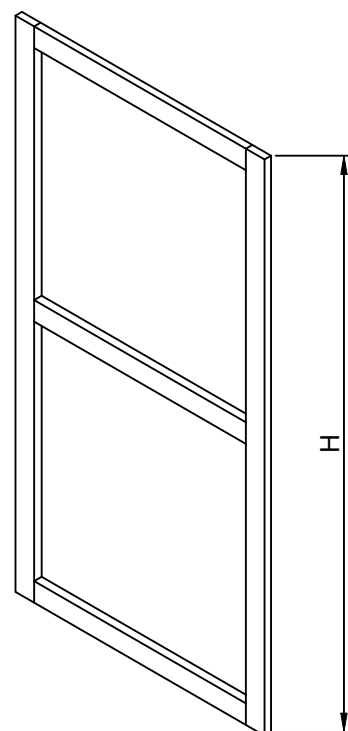
DIMENSIONAMIENTO / FÓRMULAS

LIMITES POR RESISTÊNCIA DE USO OU FLEXÃO

FOLHA DE CORRER (JANELA) LIGA 6060-T5	
Perfil	FZ-0219
	
Altura máx. (H)	2900 mm

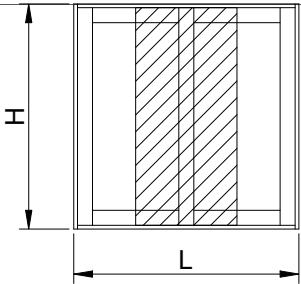


FOLHA DE CORRER (PORTA) LIGA 6060-T5	
Perfil	FZ-0220
	
Altura máx. (H)	4900 mm

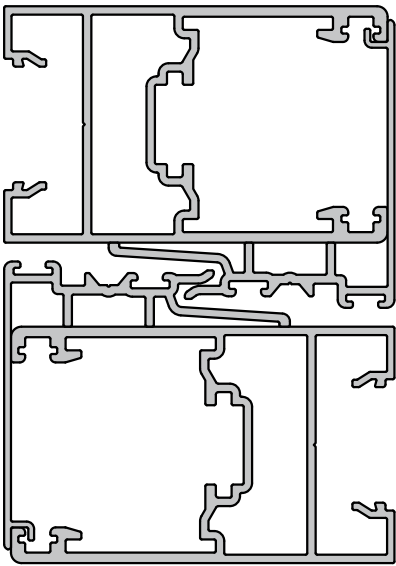


***OBSERVAÇÃO:** Altura máxima do ensaio de esforço. Para altura máxima da esquadria levar em consideração graficos a seguir.

PRESSÃO DE VENTO



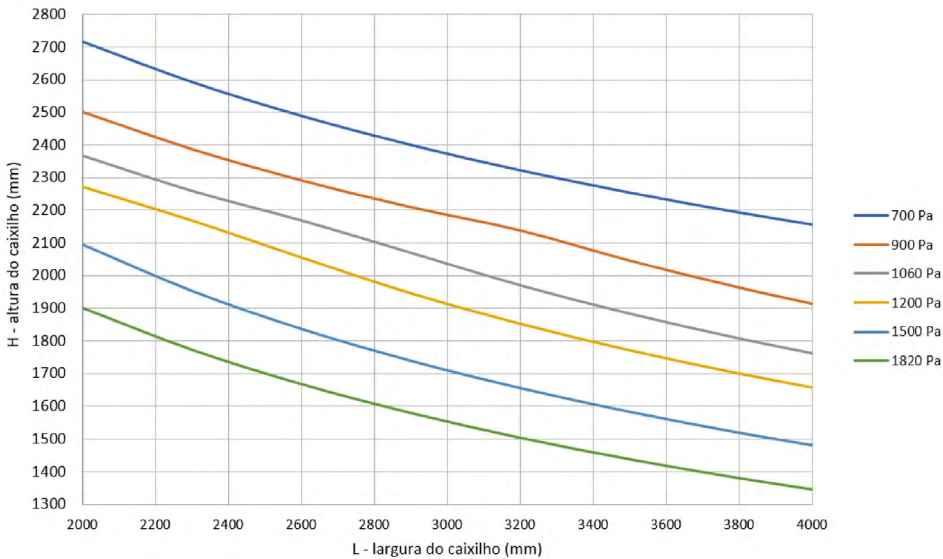
FZ-0219		
Jx	178.833	mm4
Wx	7.859	mm3



FZ-0223		
Jx	49.885	mm4
Wx	1.234	mm3

FZ-0223		
Jx	49.885	mm4
Wx	1.234	mm3

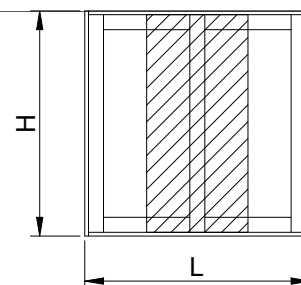
FZ-0219		
Jx	178.833	mm4
Wx	7.859	mm3



PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

- * O gráfico de dispersão prevê flecha máxima permitida pela NBR 10821/2023 e também as máximas tensões suportadas pelo material - liga 6060 T5 coeficiente de segurança já aplicado
- * As dimensões de folhas contidas neste gráfico, não contemplam máximas cargas suportadas pelas roldanas. Deve-se estudar caso a caso na seção dos componentes.

PRESSÃO DE VENTO

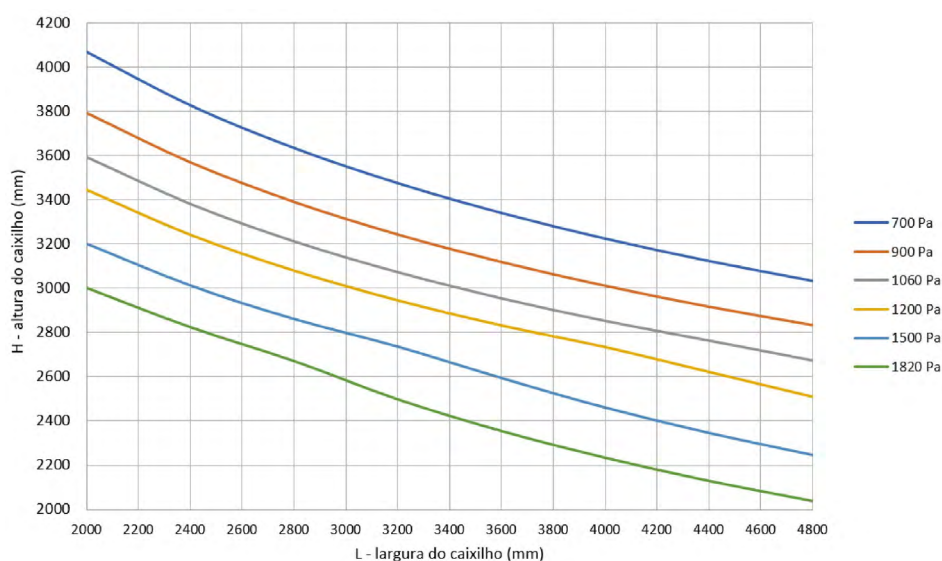


FZ-0220		
Jx	1.321.091	mm4
Wx	25.787	mm3

FZ-0223		
Jx	49.885	mm4
Wx	1.234	mm3

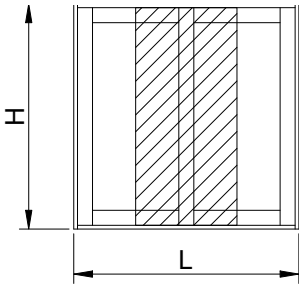
FZ-0223		
Jx	49.885	mm4
Wx	1.234	mm3

FZ-0219		
Jx	178.833	mm4
Wx	7.859	mm3



- * O gráfico de dispersão prevê flecha máxima permitida pela NBR 10821/2023 e também as máximas tensões suportadas pelo material - liga 6060 T5 coeficiente de segurança já aplicado
- * As dimensões de folhas contidas neste gráfico, não contemplam máximas cargas suportadas pelas roldanas. Deve-se estudar caso a caso na seção dos componentes.

PRESSÃO DE VENTO

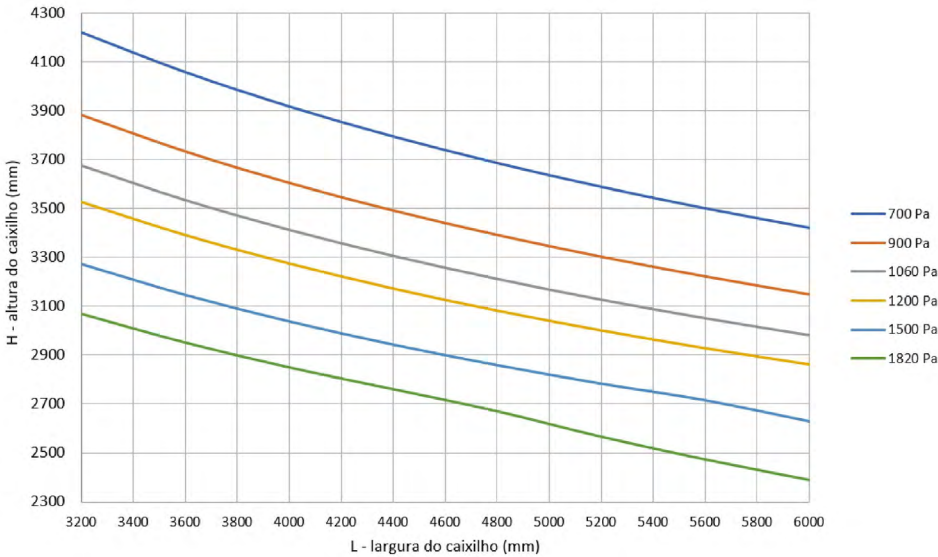
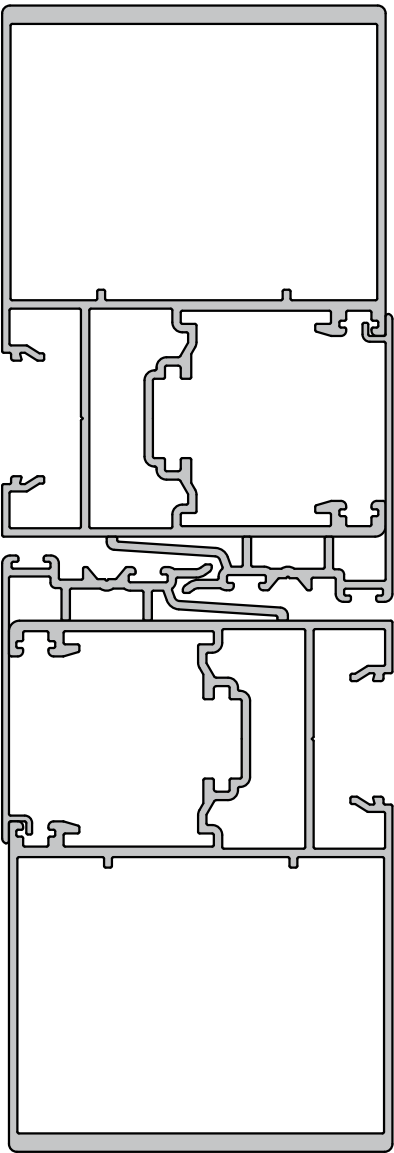


FZ-0220		
Jx	1.321.091	mm4
Wx	25.787	mm3

FZ-0223		
Jx	49.885	mm4
Wx	1.234	mm3

FZ-0223		
Jx	49.885	mm4
Wx	1.234	mm3

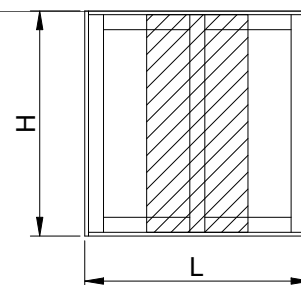
FZ-0220		
Jx	1.321.091	mm4
Wx	25.787	mm3



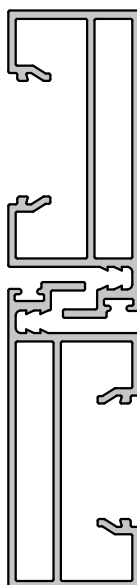
* O gráfico de dispersão prevê flecha máxima permitida pela NBR 10821/2023 e também as máximas tensões suportadas pelo material - liga 6060 T5 - coeficiente de segurança já aplicado

* As dimensões de folhas contidas neste gráfico, não contemplam máximas cargas suportadas pelas roldanas. Deve-se estudar caso a caso na seção dos componentes.

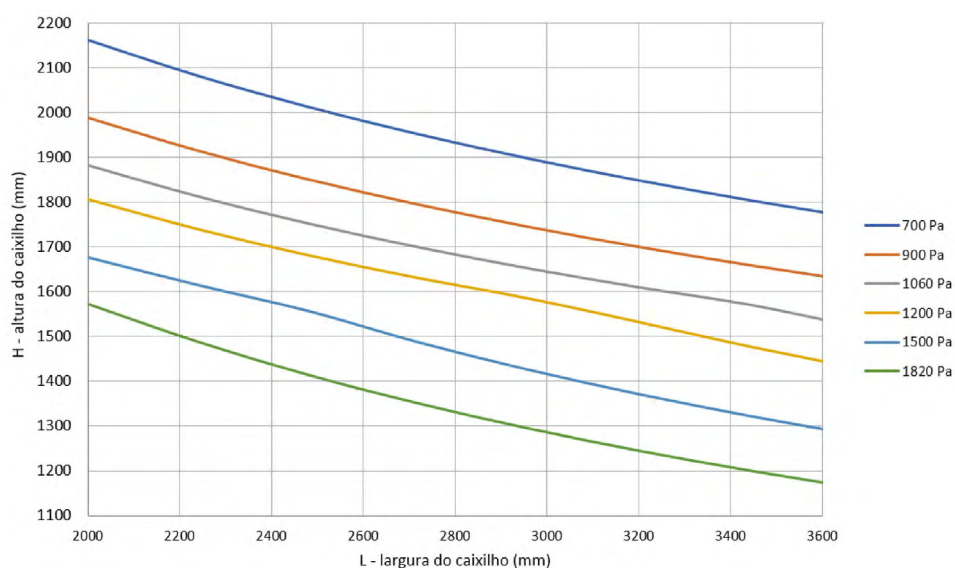
PRESSÃO DE VENTO



FZ-0221		
Jx	115.228	mm4
Wx	3.878	mm3



FZ-0221		
Jx	115.228	mm4
Wx	3.878	mm3

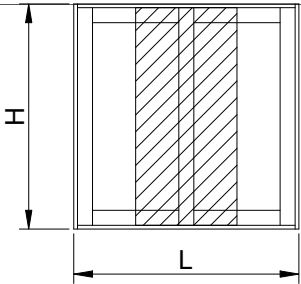
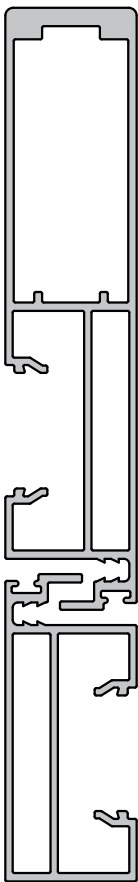


PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

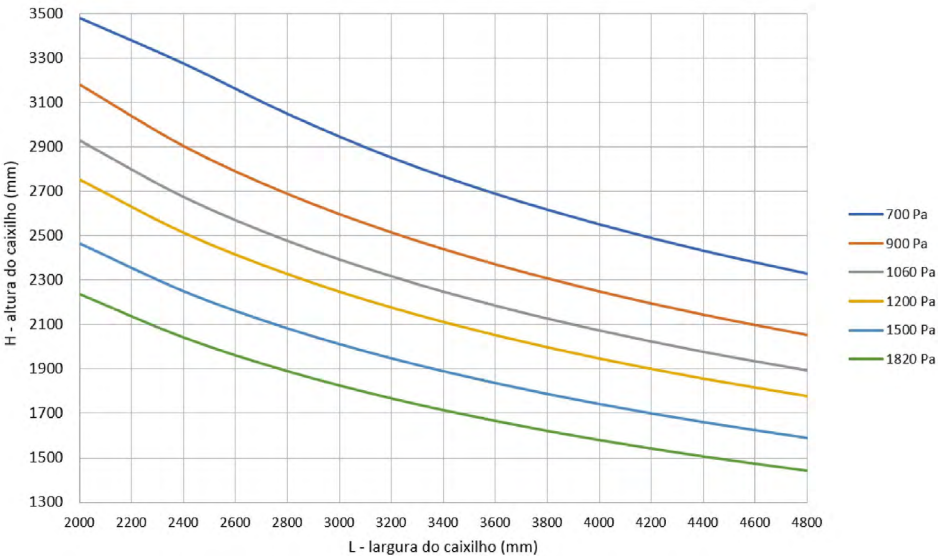
- * O gráfico de dispersão prevê flecha máxima permitida pela NBR 10821/2023 e também as máximas tensões suportadas pelo material - liga 6060 T5 coeficiente de segurança já aplicado
- * As dimensões de folhas contidas neste gráfico, não contemplam máximas cargas suportadas pelas roldanas. Deve-se estudar caso a caso na seção dos componentes.

PRESSÃO DE VENTO

FZ-0222		
Jx	845.767	mm4
Wx	13.774	mm3



FZ-0221		
Jx	115.228	mm4
Wx	3.878	mm3



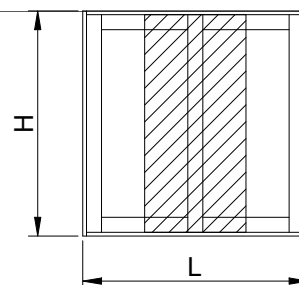
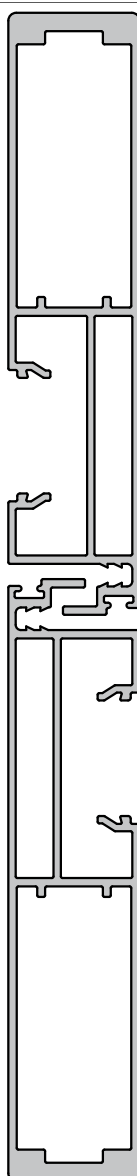
PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

* O gráfico de dispersão prevê flecha máxima permitida pela NBR 10821/2023 e também as máximas tensões suportadas pelo material - liga 6060 T5 coeficiente de segurança já aplicado

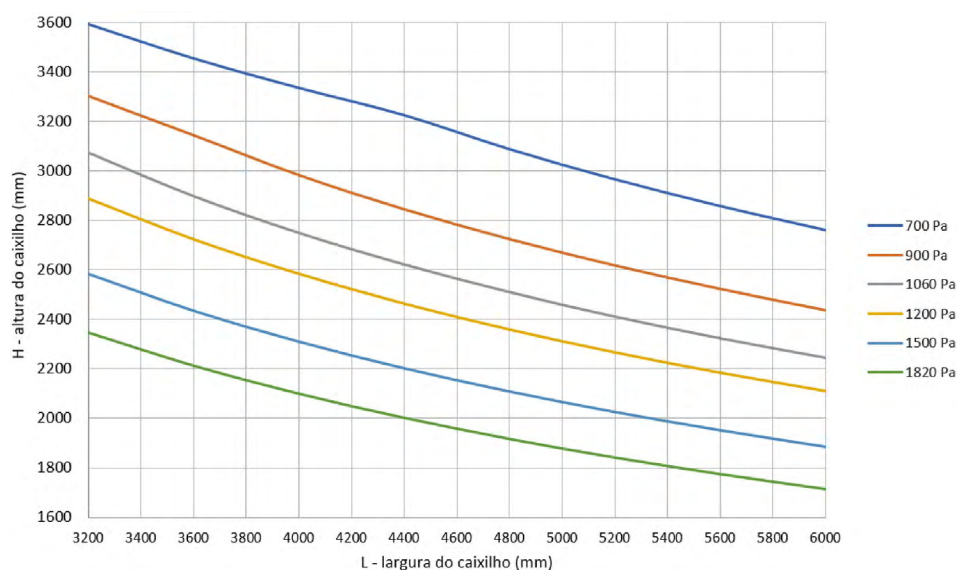
* As dimensões de folhas contidas neste gráfico, não contemplam máximas cargas suportadas pelas roldanas. Deve-se estudar caso a caso na seção dos componentes.

PRESSÃO DE VENTO

FZ-0222		
Jx	845.767	mm4
Wx	13.774	mm3



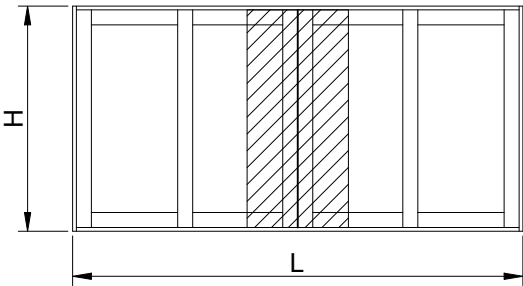
FZ-0222		
Jx	845.767	mm4
Wx	13.774	mm3



PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

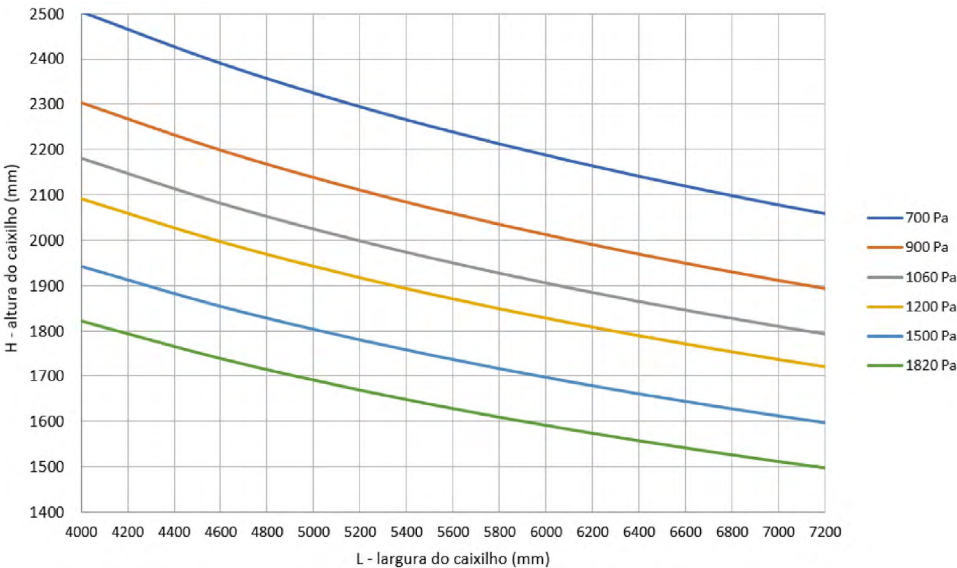
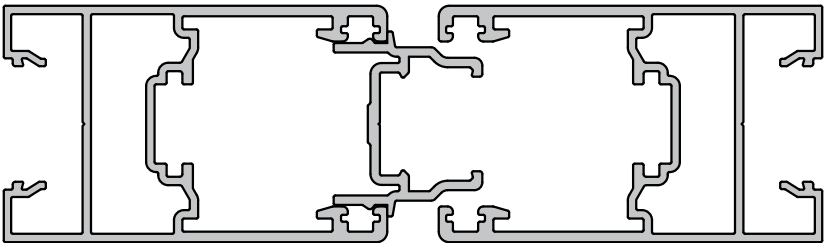
- * O gráfico de dispersão prevê flecha máxima permitida pela NBR 10821/2023 e também as máximas tensões suportadas pelo material - liga 6060 T5 coeficiente de segurança já aplicado
- * As dimensões de folhas contidas neste gráfico, não contemplam máximas cargas suportadas pelas roldanas. Deve-se estudar caso a caso na seção dos componentes.

PRESSÃO DE VENTO



FZ-0219		
Jx	178.833	mm4
Wx	7.859	mm3

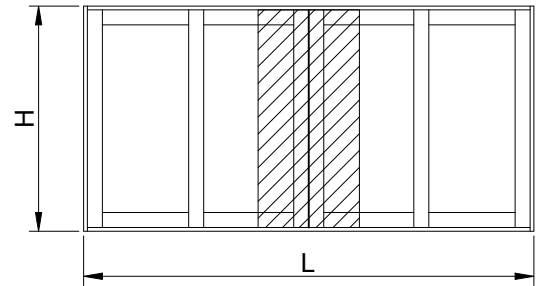
FZ-0219		
Jx	178.833	mm4
Wx	7.859	mm3



* O gráfico de dispersão prevê flecha máxima permitida pela NBR 10821/2023 e também as máximas tensões suportadas pelo material - liga 6060 T5 coeficiente de segurança já aplicado

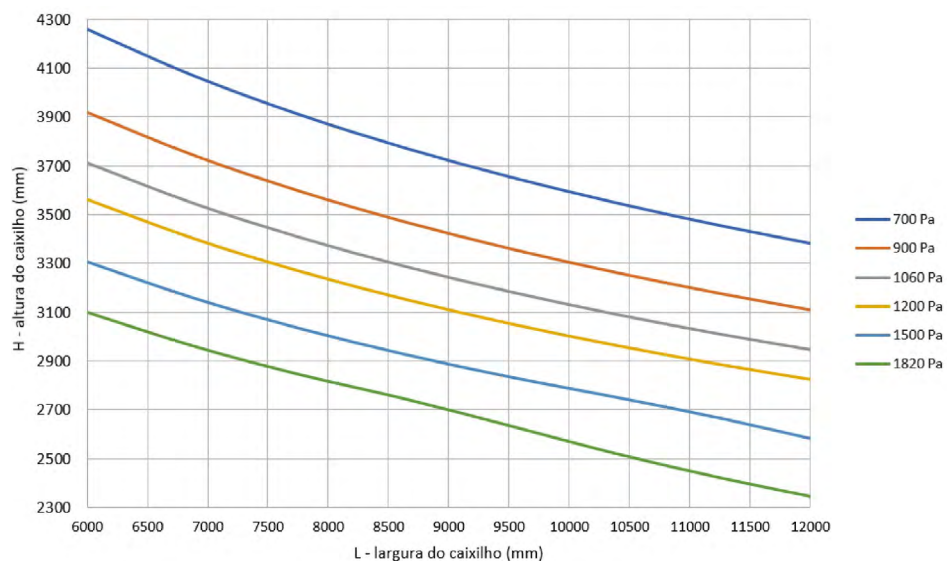
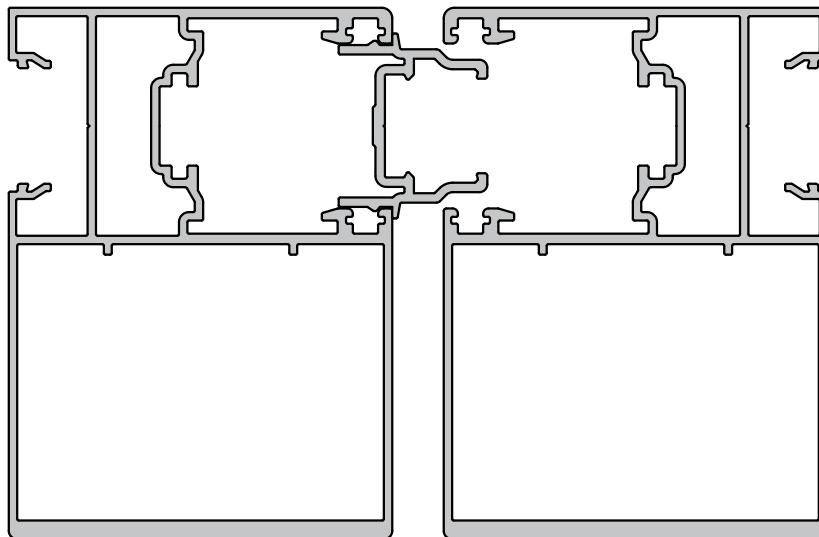
* As dimensões de folhas contidas neste gráfico, não contemplam máximas cargas suportadas pelas roldanas. Deve-se estudar caso a caso na seção dos componentes.

PRESSÃO DE VENTO



FZ-0220		
Jx	1.321.091	mm4
Wx	25.787	mm3

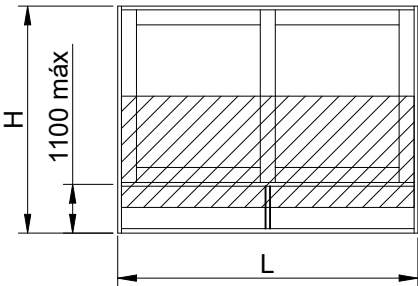
FZ-0220		
Jx	1.321.091	mm4
Wx	25.787	mm3



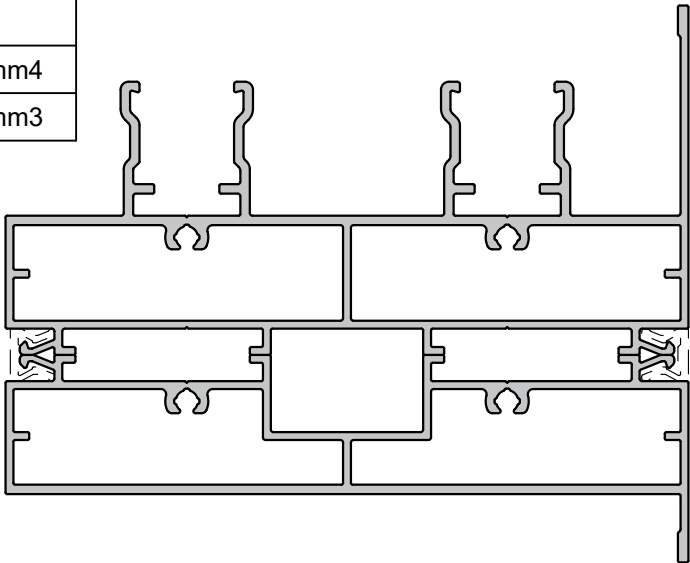
PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

- * O gráfico de dispersão prevê flecha máxima permitida pela NBR 10821/2023 e também as máximas tensões suportadas pelo material - liga 6060 T5 coeficiente de segurança já aplicado
- * As dimensões de folhas contidas neste gráfico, não contemplam máximas cargas suportadas pelas roldanas. Deve-se estudar caso a caso na seção dos componentes.

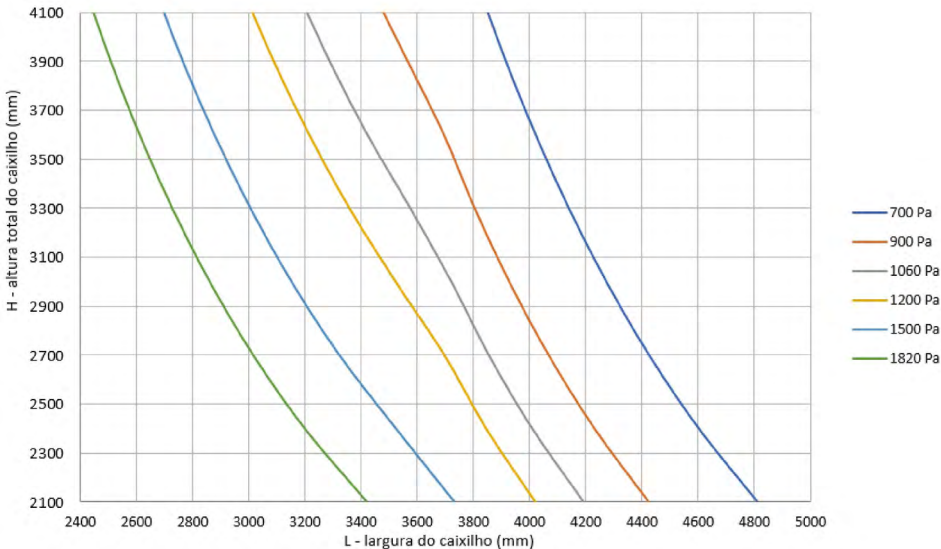
PRESSÃO DE VENTO



FZ-0247		
Jy	1.526.495	mm4
Wy	21.999	mm3



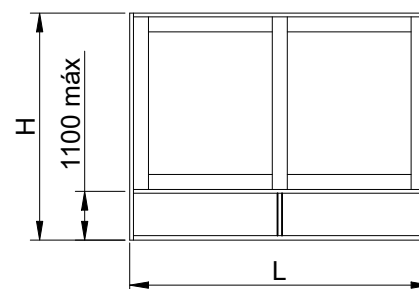
FZ-0225		
Jy	1.139.499	mm4
Wy	16.964	mm3



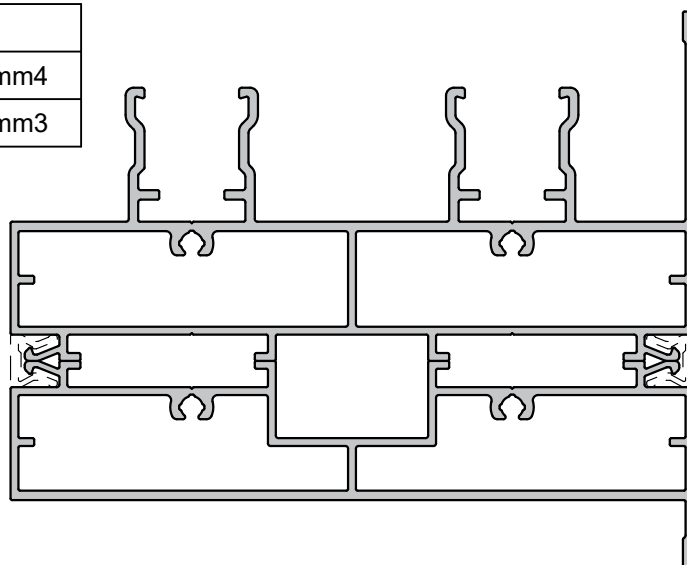
PERFIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

- * O gráfico de dispersão prevê flecha máxima permitida pela NBR 10821/2023 e também as máximas tensões suportadas pelo material - liga 6060 T5 - coeficiente de segurança já aplicado
- * As dimensões de folhas contidas neste gráfico, não contemplam máximas cargas suportadas pelas roldanas. Deve-se estudar caso a caso na seção dos componentes.

CARGA DE USO



FZ-0247		
Jy	1.526.495	mm4
Wy	21.999	mm3



FZ-0225		
Jy	1.139.499	mm4
Wy	16.964	mm3

Carga de Uso Conforme NBR-14718/2019

Aplicação	Quantidade de Pavimentos	Altura Máxima m	Região do País	Carga de Uso N/m	Largura Máxima m
Residencial ou Comercial de uso privativo e áreas técnicas	30	90	I	400	5300
			II	500	4950
			III	650	4350
			IV	800	3900
			V	1000	3500

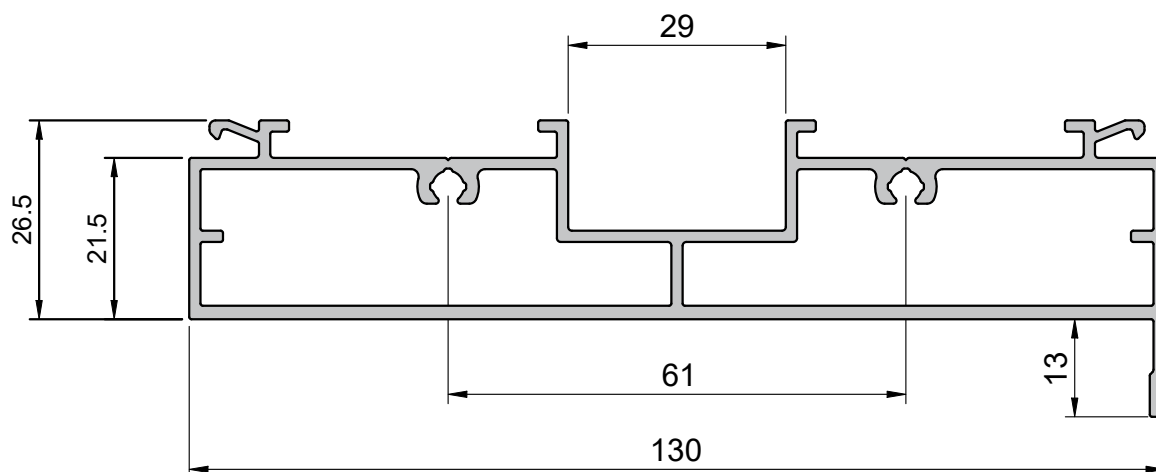
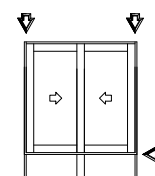
PERIS, PROJETOS, CÓDIGOS E SISTEMAS ESTÃO SUJEITOS A ALTERAÇÃO SEM AVISO PRÉVIO.

* A tabela acima mostra as medidas máximas conforme NBR 14718/2019 para carga de uso.

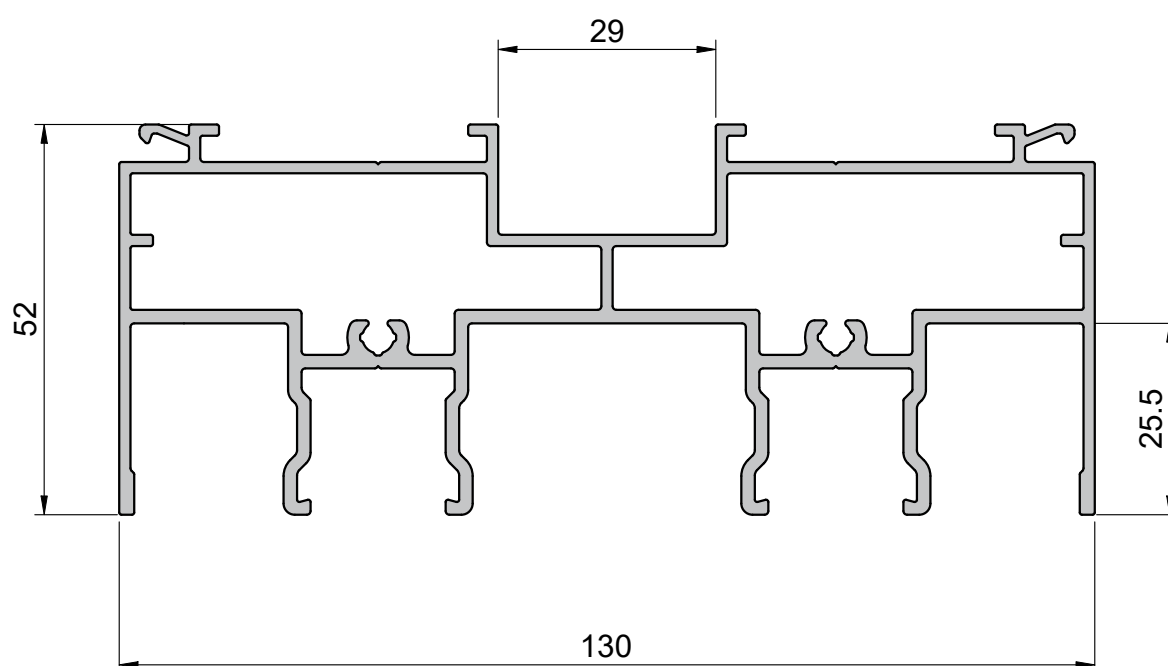
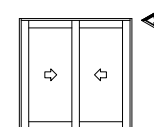
Perfis

3

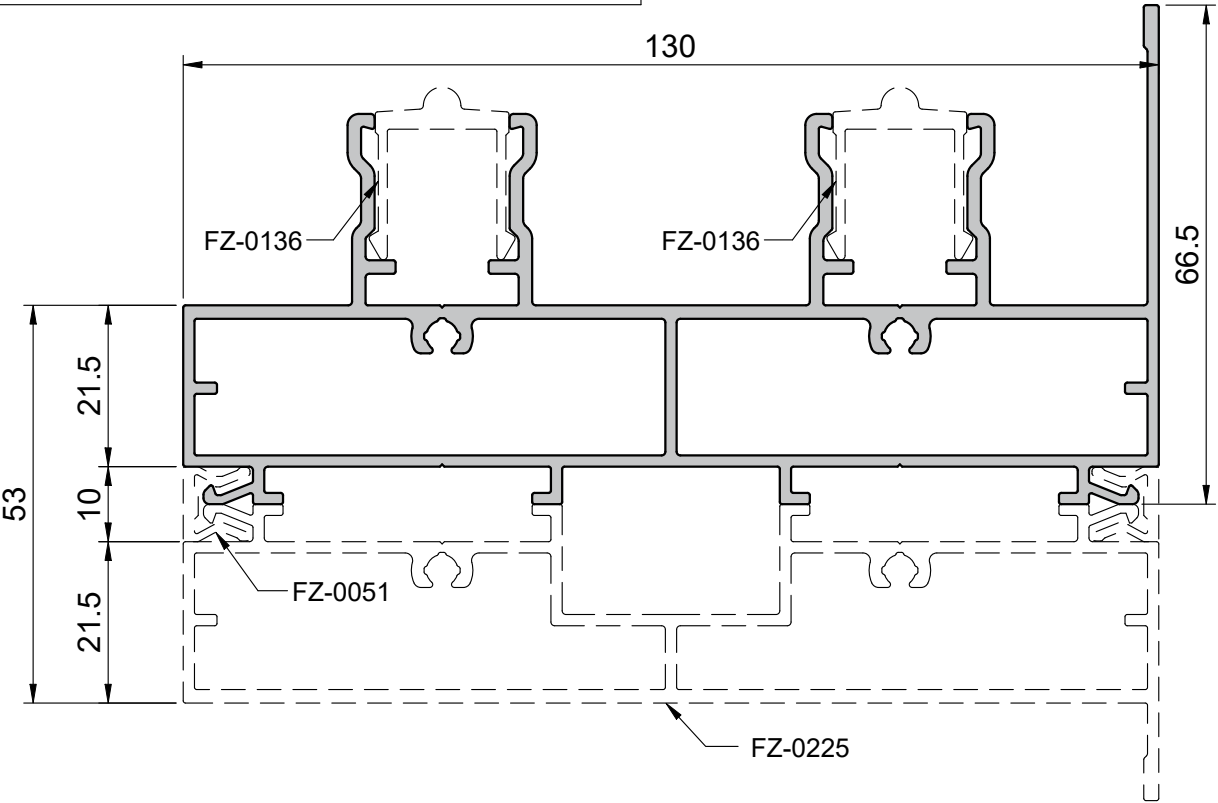
FZ-0225	Marco Lateral
	1,797 Kg/m
$J_y = 1.139.808 \text{ mm}^4$ $W_y = 16.969 \text{ mm}^3$	



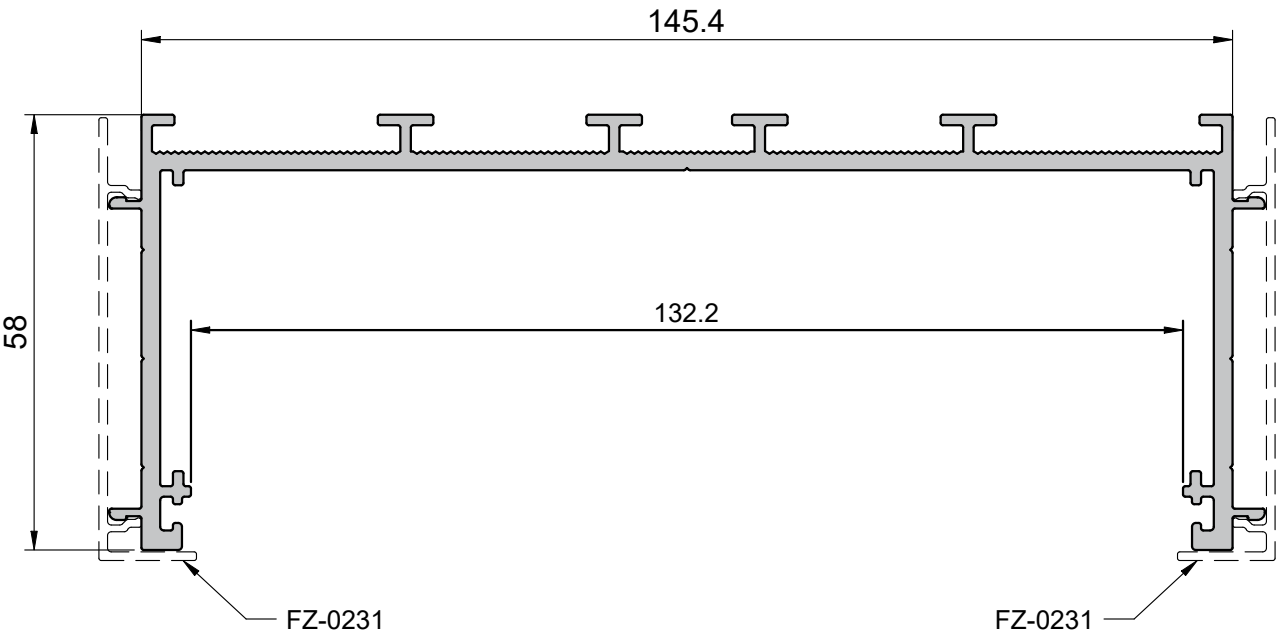
FZ-0226	Trilho Superior
	2,509 Kg/m
$J_y = 1.602.171 \text{ mm}^4$ $W_y = 24.649 \text{ mm}^3$	



FZ-0247	Trilho inferior
	2,495 Kg/m
$J_y = 1.526.495 \text{ mm}^4 \mid W_y = 21.999 \text{ mm}^3$	

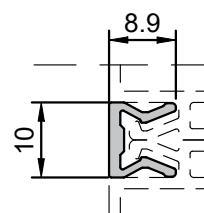
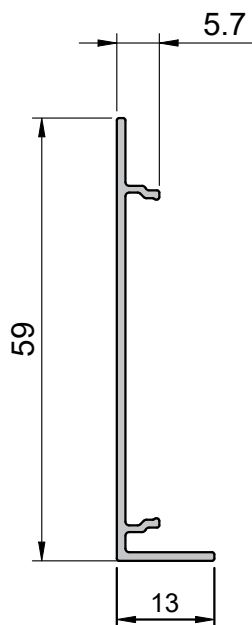


FZ-0230	Telescopia 2 Planos
	2,010 Kg/m



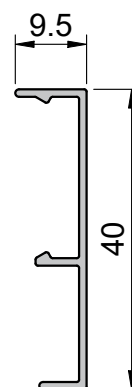
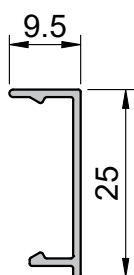
FZ-0231	Arremate de Telescopia
	0,247 Kg/m

FZ-0051	Clip de junção de marcos
	0,095 Kg/m



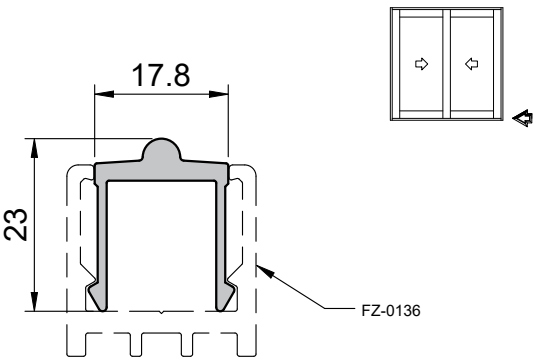
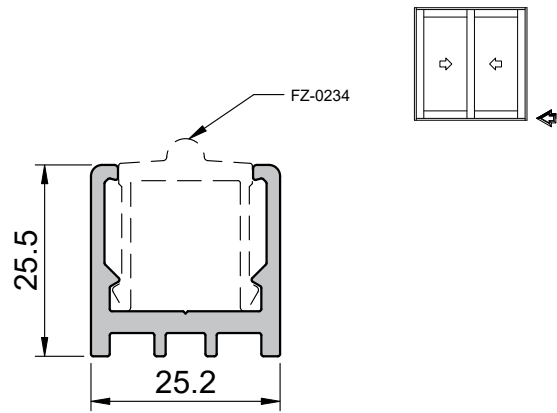
FZ-0052	Arremate
	0,111 Kg/m

FZ-0053	Arremate
	0,166 Kg/m

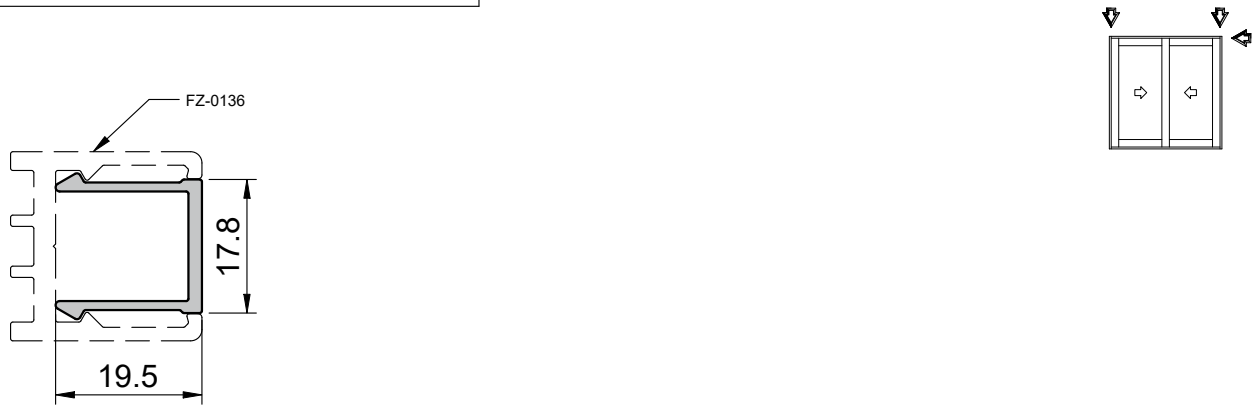


FZ-0136	Trilho inferior
	0,503 Kg/m

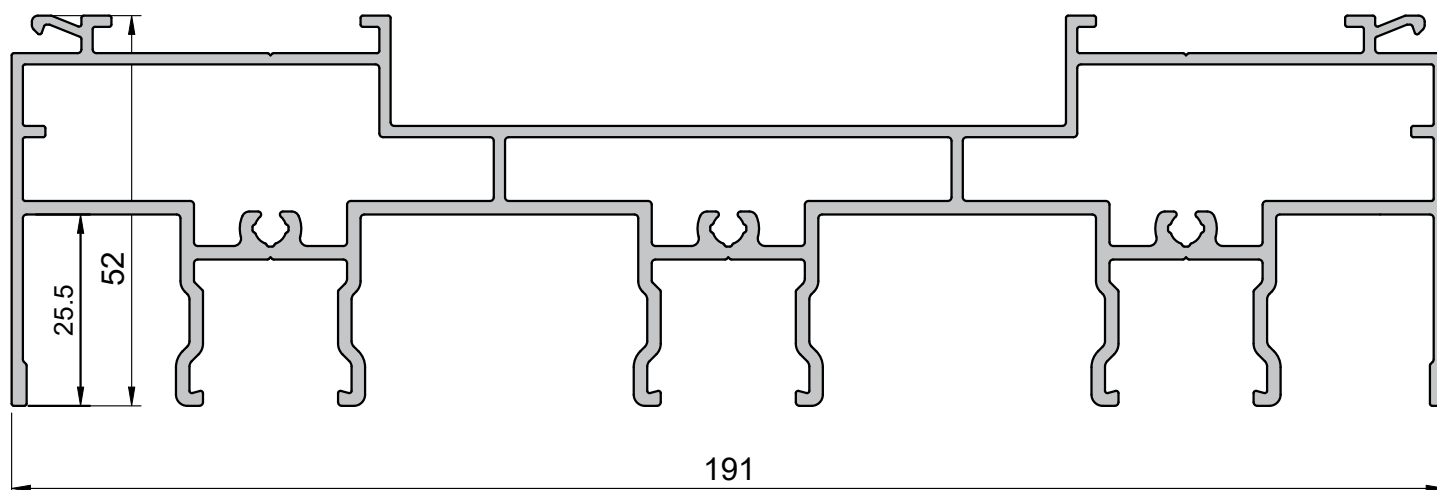
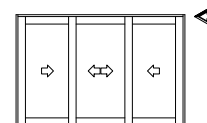
FZ-0234	Tampa do trilho
	0,281 Kg/m



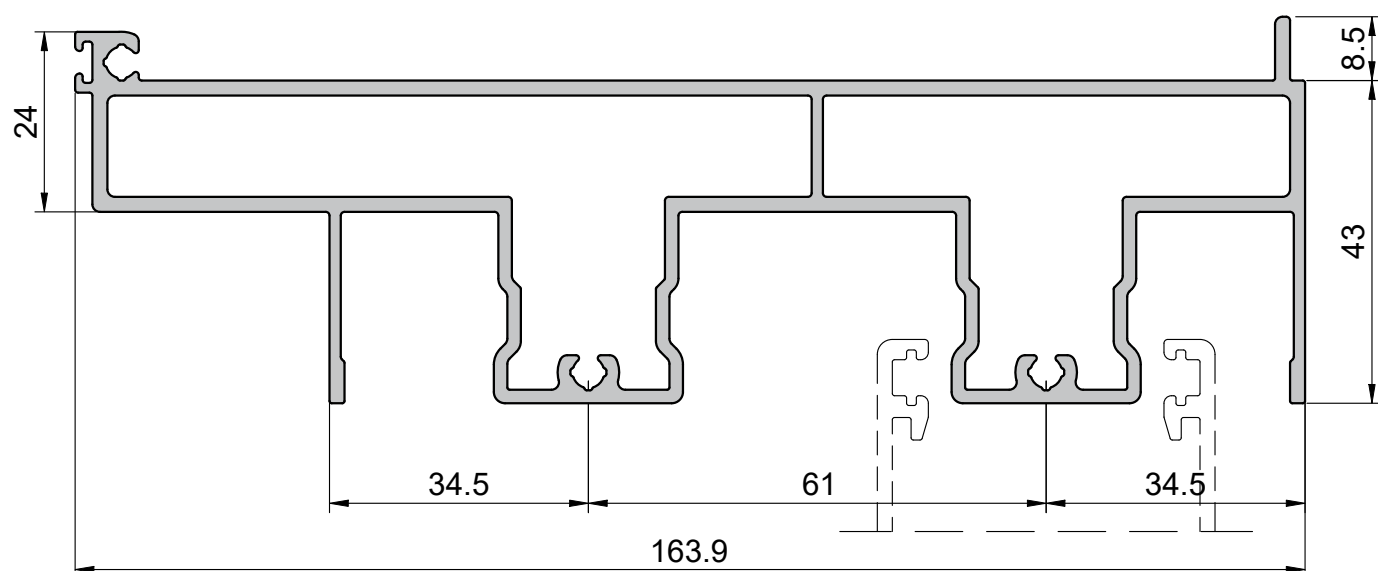
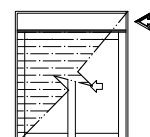
FZ-0235	Tampa Mata Junta Lateral/Superior
	0,215 Kg/m



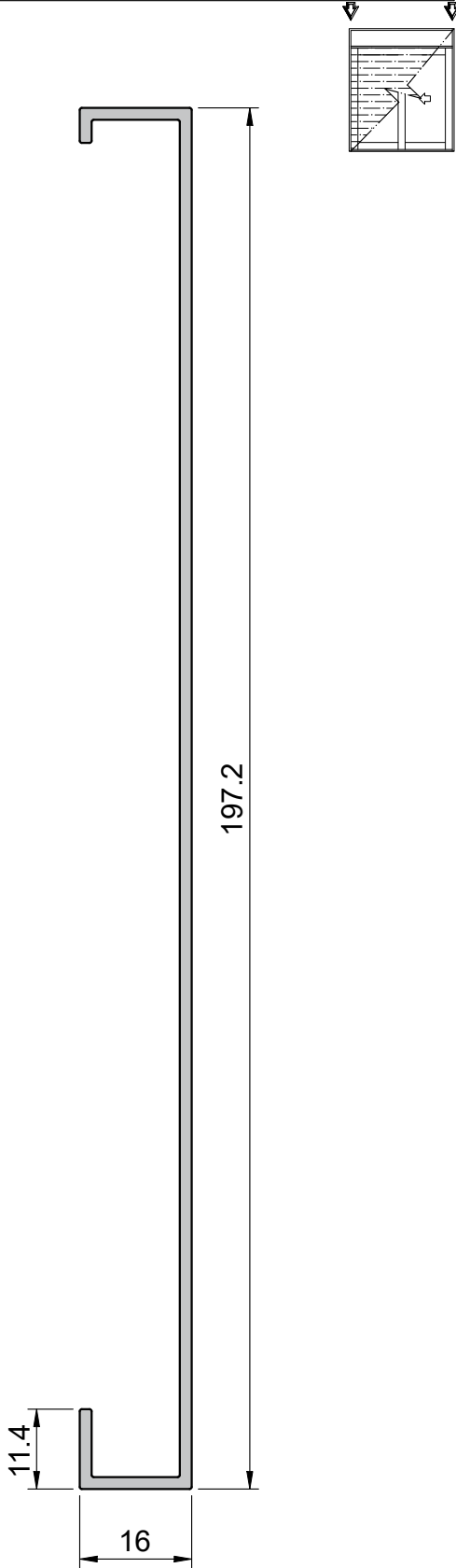
FZ-0238	Trilho Superior/Inferior
	3,421 Kg/m
$J_y = 4.619.520 \text{ mm}^4$ $W_y = 48.372 \text{ mm}^3$	



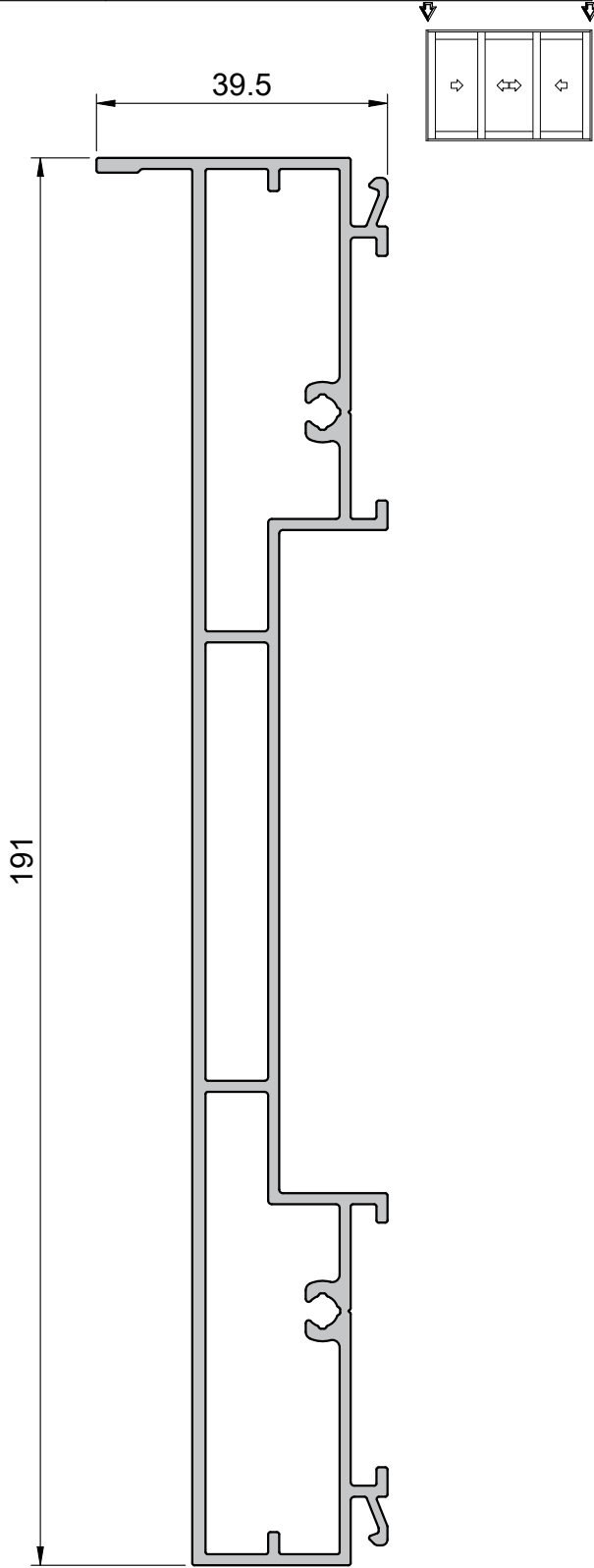
FZ-0248	Trilho Superior Integrada
	2,928 Kg/m
$J_y = 2.700.621 \text{ mm}^4$ $W_y = 31.124 \text{ mm}^3$	



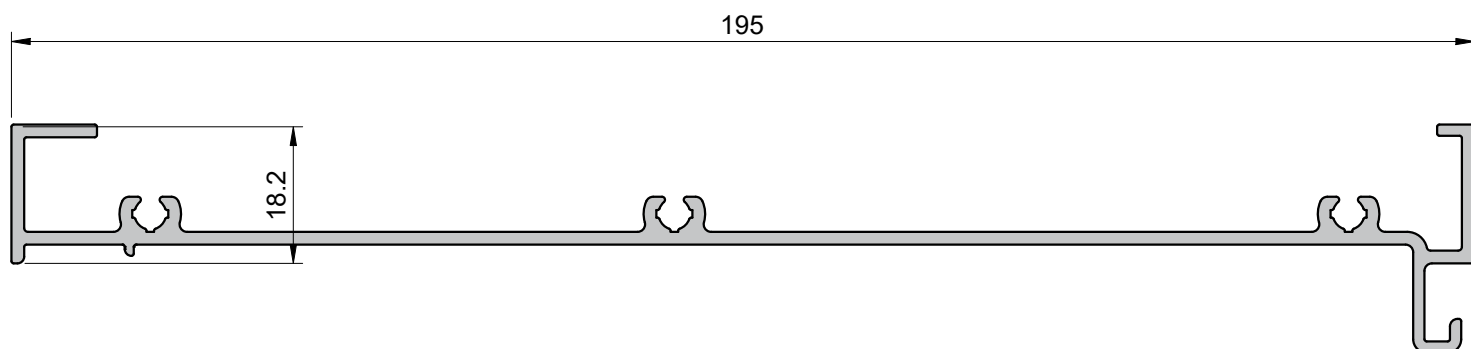
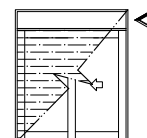
FZ-0103	Marco Lateral Integrada
	1,100 Kg/m



FZ-0239	Marco Lateral
	2,378 Kg/m

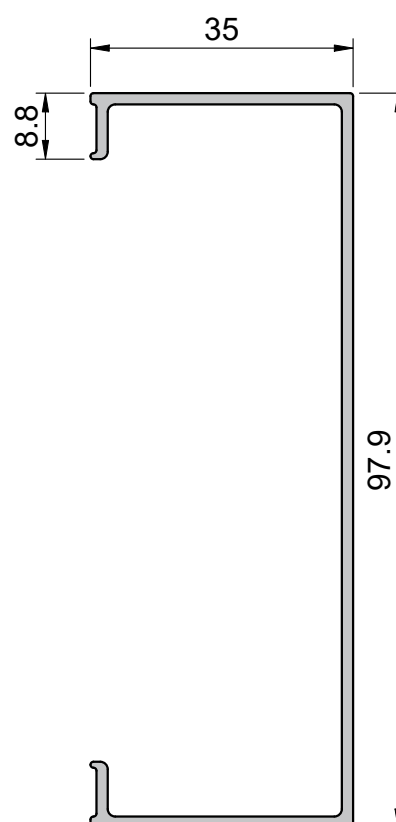
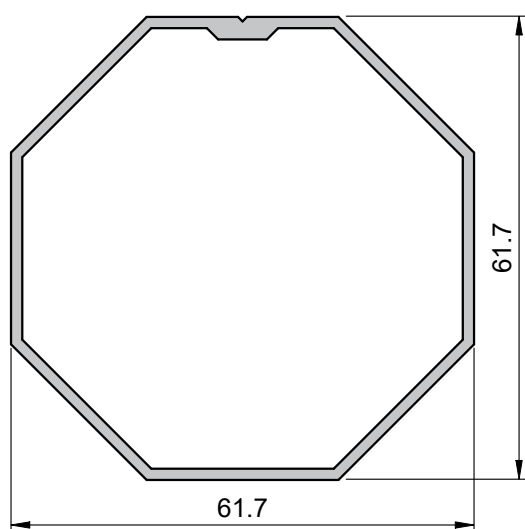


FZ-0104	Marco Superior Integrada
	1,375 Kg/m

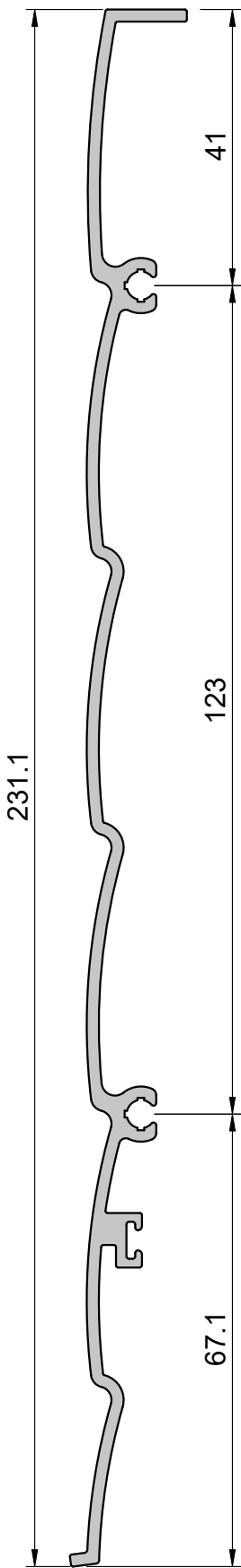


MN-015	Tubo Octogonal 60
	0,843 Kg/m

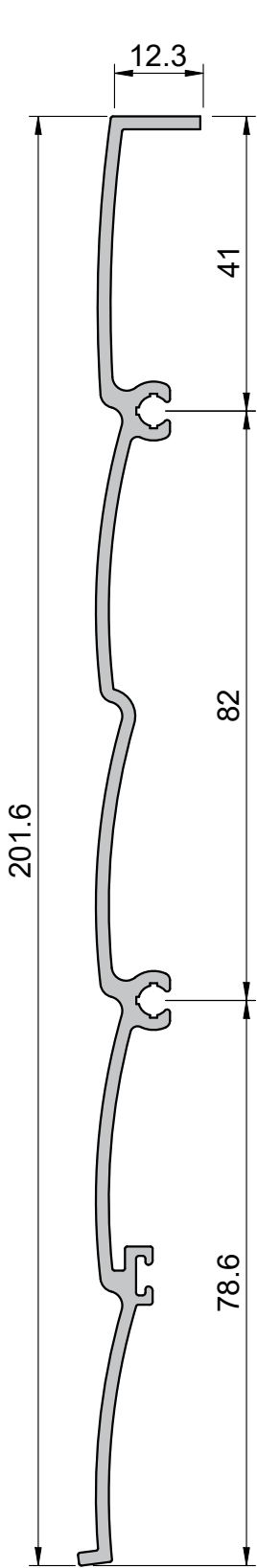
MN-050	Caixa Guia do Recolhedor
	0,734 Kg/m



FZ-0106	Tampa Externa Caixa Integrada
	1,461 Kg/m

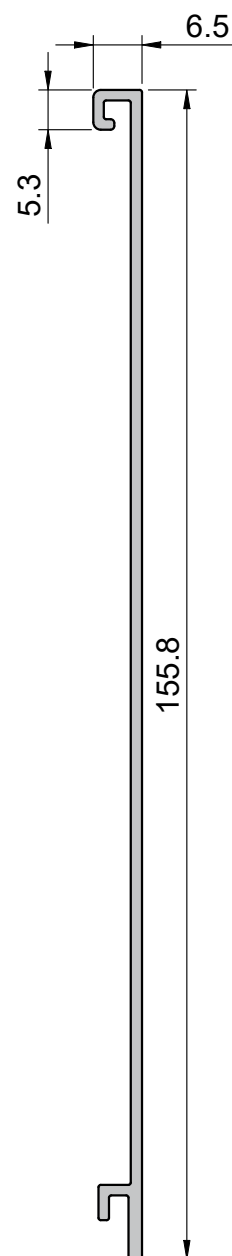
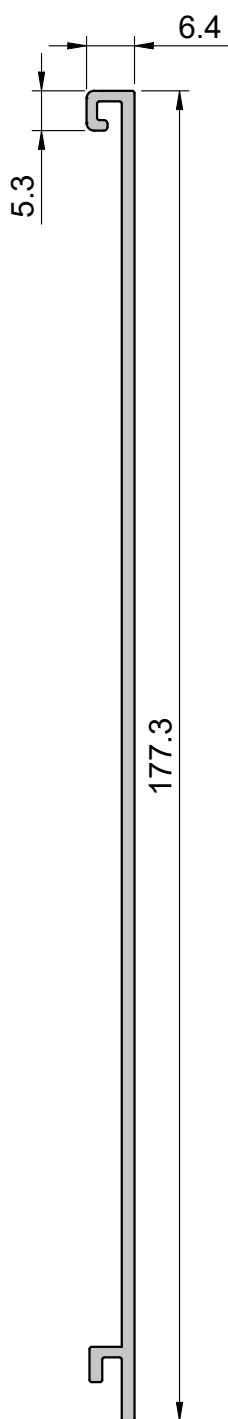
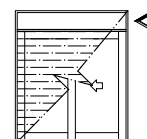
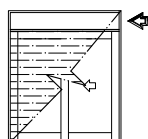


FZ-0113	Tampa Externa Caixa Integrada
	1,286 Kg/m

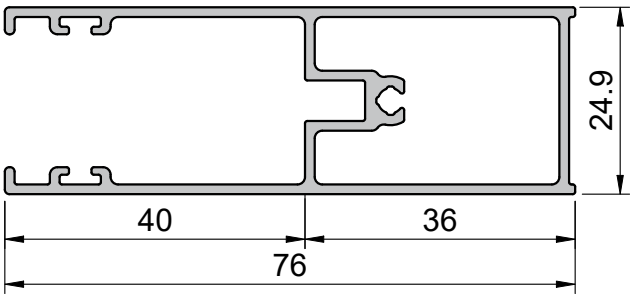


FZ-0107	Tampa Interna Caixa Integrada
	0,885 Kg/m

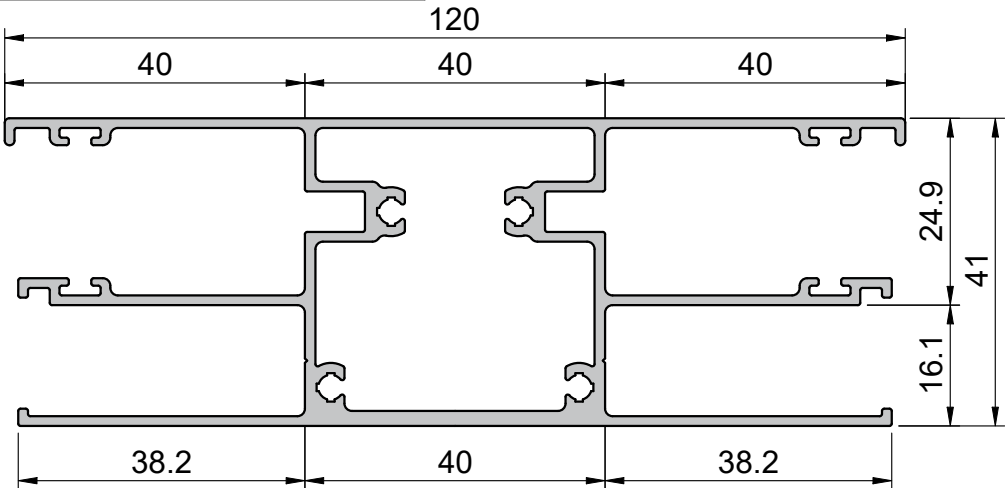
FZ-0114	Tampa Interna Caixa Integrada
	0,706 Kg/m



FZ-0200	Guia da Esteira
	0,852 Kg/m

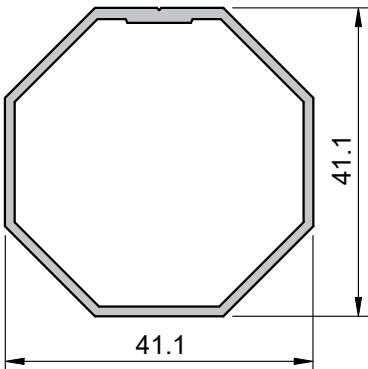
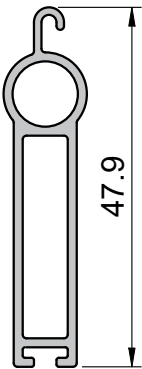


FZ-0218	Guia Central da Esteira
	1,865 Kg/m
Jx = 165.431 mm ⁴ Wx = 7.915 mm ³	

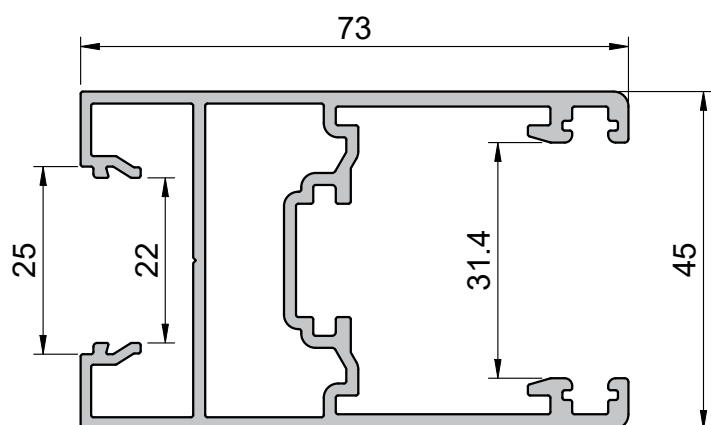
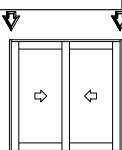


MN-055	Lamina Final
	0,371 Kg/m

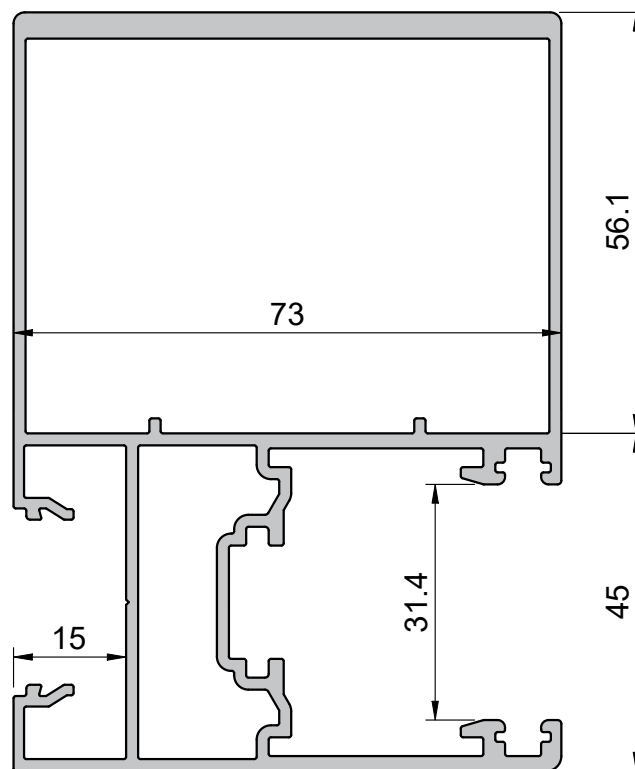
DS-238	Tubo Octogonal 40
	0,485 Kg/m



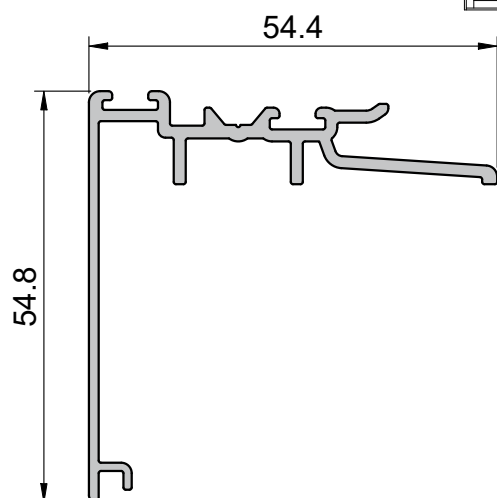
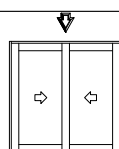
FZ-0219	Folha de correr
	1,470 Kg/m
Jx = 176.833 mm ⁴ Wx = 7.859 mm ³	



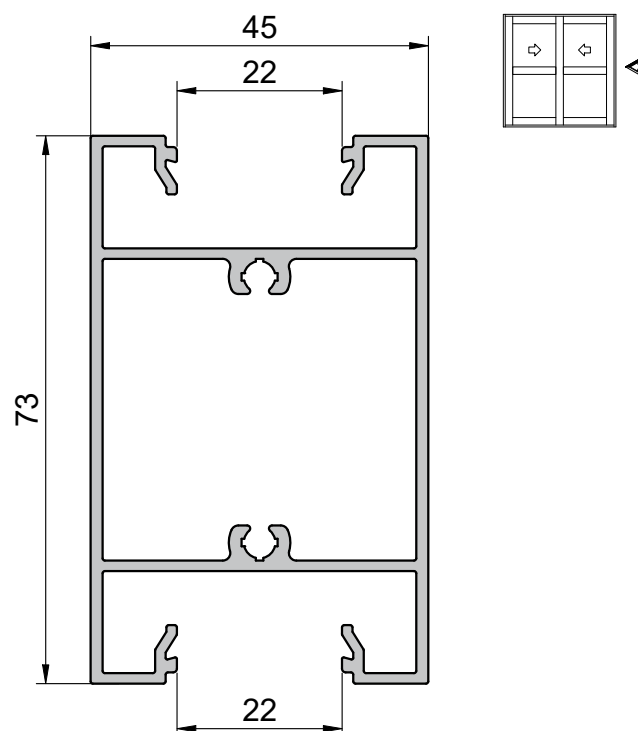
FZ-0220	Montante Folha com Reforço
	2,635 Kg/m
Jx = 1.321.091 mm ⁴ Wx = 25.787 mm ³	



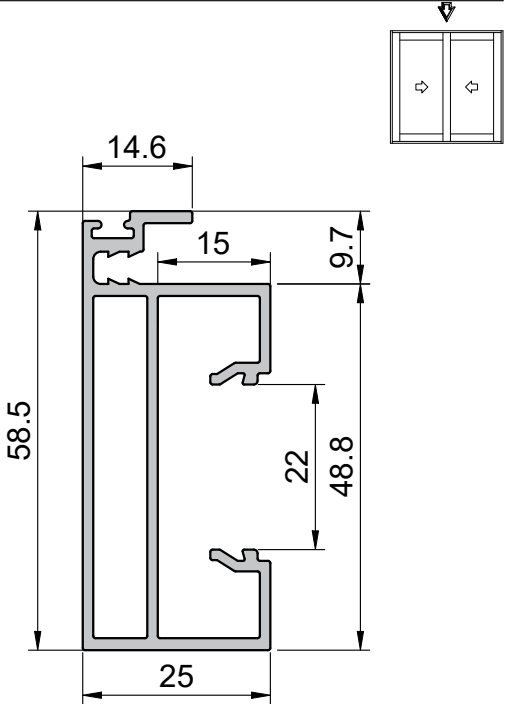
FZ-0223	Mão de amigo
	0,614Kg/m
Jx = 49.886 mm ⁴ Wx = 1.234 mm ³	



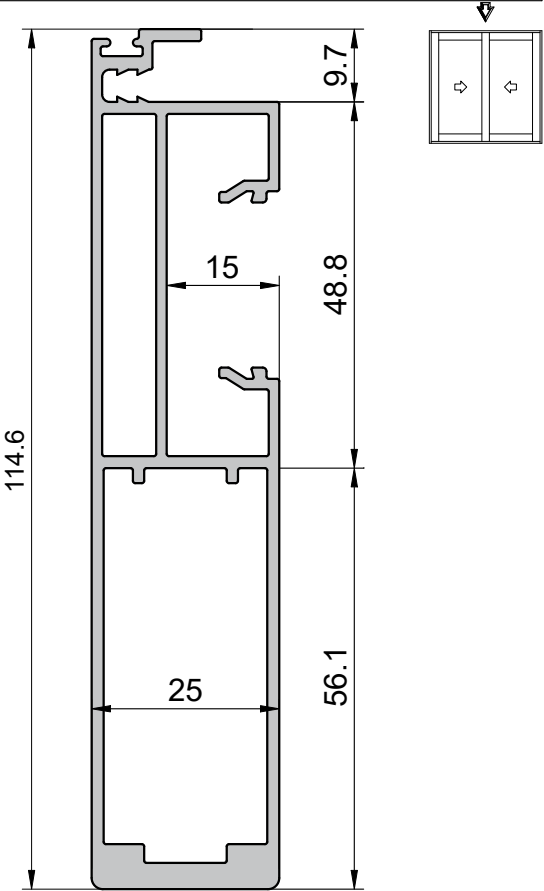
FZ-0224	Travessa intermediária
	1,327 Kg/m
Jy = 148.525 mm ⁴ Wy = 6.601 mm ³	



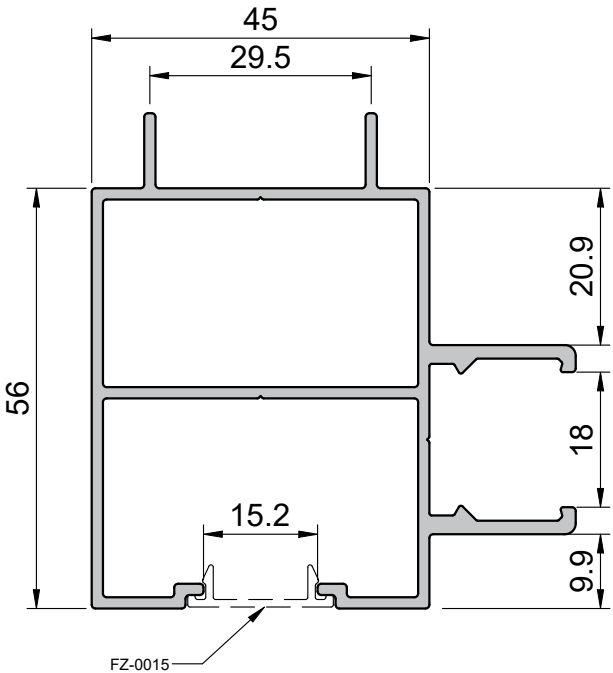
FZ-0221	Montante Mão de Amigo
	0,828 Kg/m
Jx = 115.228 mm ⁴ Wx = 3.878 mm ³	



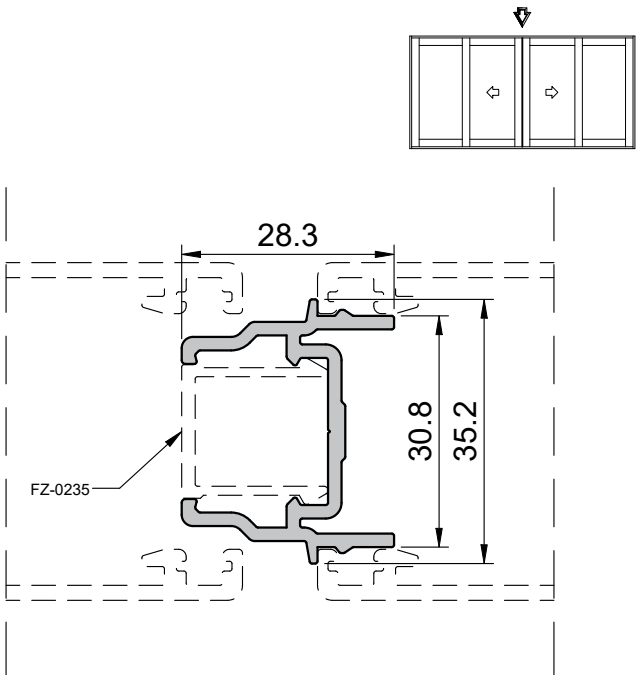
FZ-0222	Montante Mão de Amigo Reforçado
	1,609 Kg/m
Jx = 845.767 mm ⁴ Wx = 13.775 mm ³	



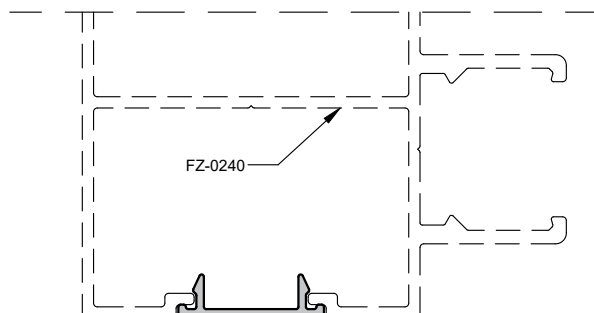
FZ-0240	Montante de Canto 90°
	1,240 Kg/m



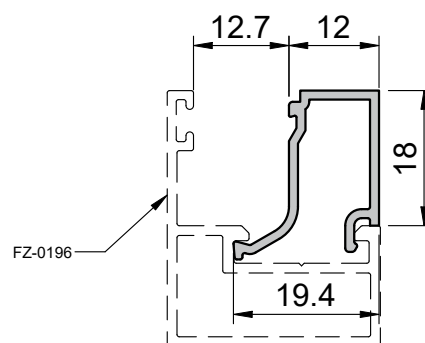
FZ-0284	Mata Junta Central
	0,513 Kg/m



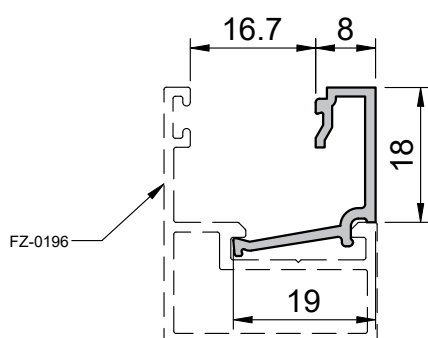
FZ-0015	Tampa para perfis
	0,081 Kg/m



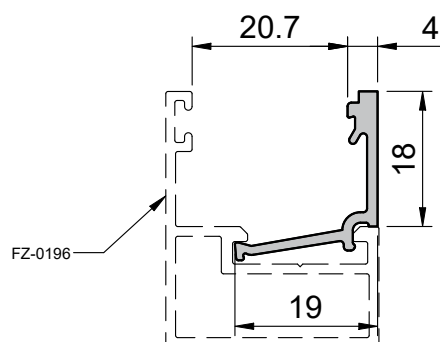
FZ-0034	Baguete
	0,204 Kg/m



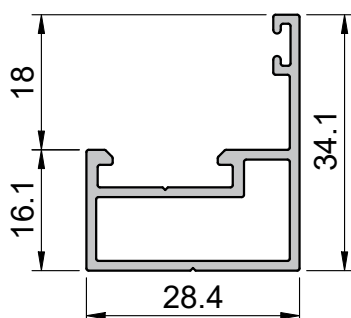
FZ-0035	Baguete
	0,191 Kg/m



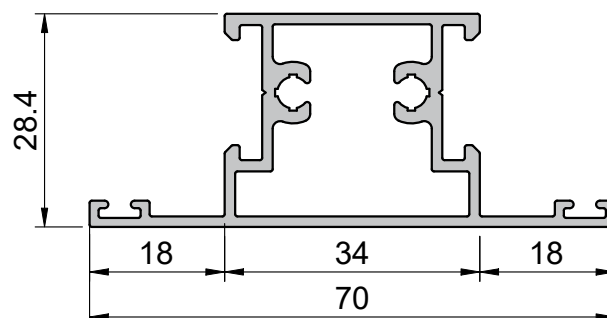
FZ-0036	Baguete
	0,177 Kg/m



FZ-0196	Folha
	0,420 Kg/m



FZ-0203	Coluna
	0,831 Kg/m

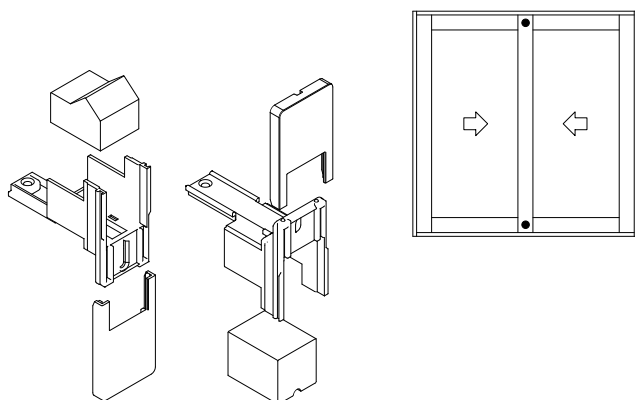


4

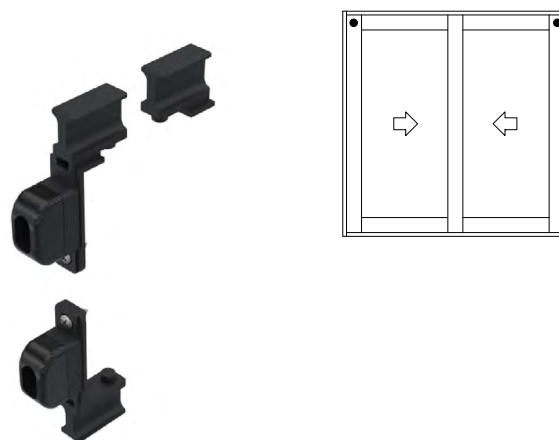
Componentes

IMAGENS / DESCRIÇÕES

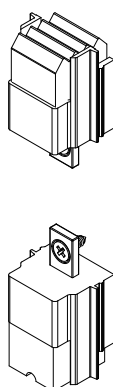
CVD-0011	Kit de Guias e Vedação M.A. 90°
	Polimero Cor: Preto / Branco



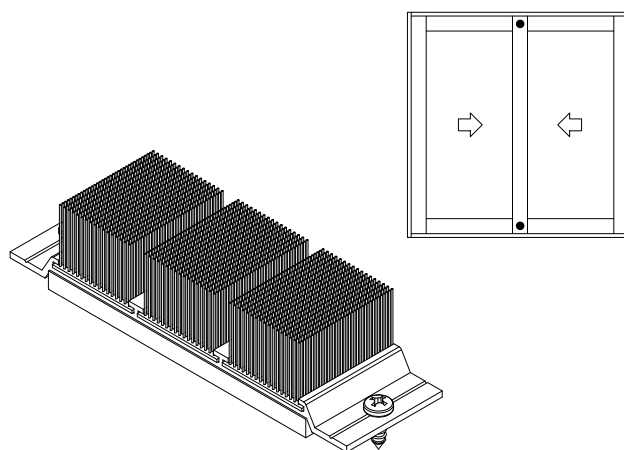
CVD-0010	Kit Anti Elevação Folha 45°
	Polimero Cor: Preto / Branco



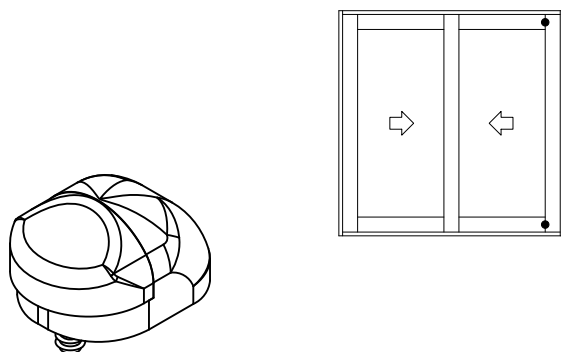
CVD-0012	Kit Vedação da Mata Junta Central
	Polimero Cor: Preto / Branco



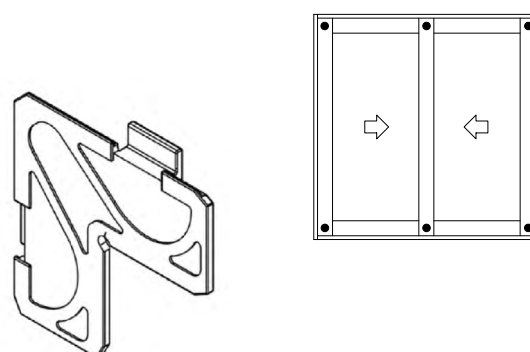
CVD-0013	Kit Ved. e Acabamento Slide / Lift
	Polimero Cor: Preto / Branco



BTE-0005	Batedeira Da Folha (Mini)
	Polimero Cor: Preto / Branco

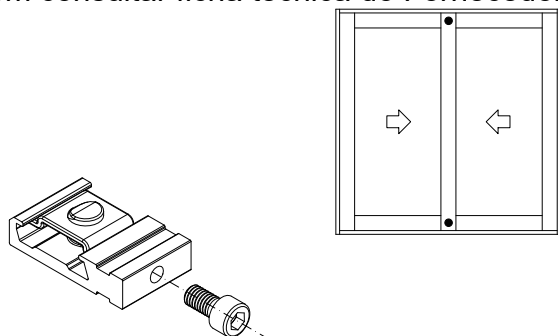


CON-0004	Conexão de Alinhamento
	Polimero Cor: Preto



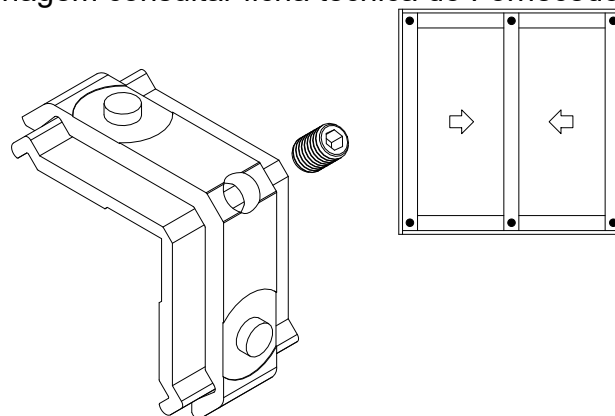
MCX-0014	Macho de Conexão

*Usinagem consultar ficha técnica do Fornecedor

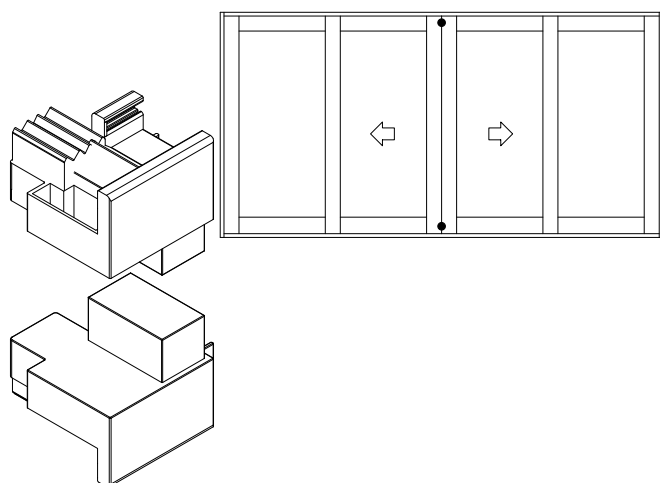


MCX-0015	Macho de Conexão 10,5x41

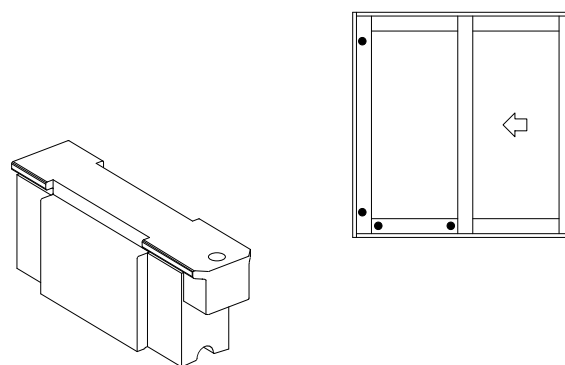
*Usinagem consultar ficha técnica do Fornecedor



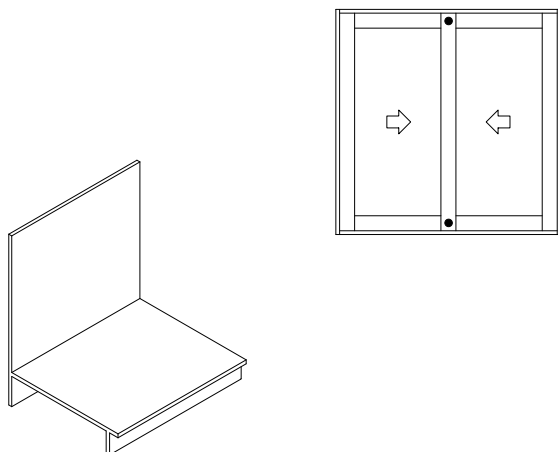
CVD-0014	Vedação de Canto 90° Polimero Cor: Preto / Branco



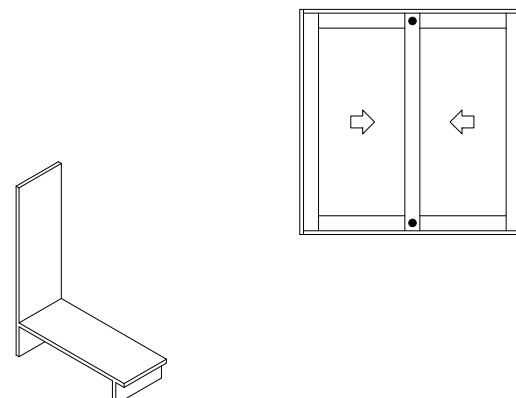
CAL-0003	Calço da Folha Fixa Polimero Cor: Preto



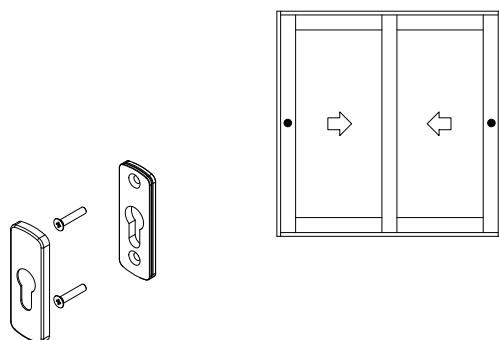
TMT-0065	Tampa do Montante em Alumínio Aplicação Perfil FZ-0220



TMT-0031	Tampa do Montante em Alumínio Aplicação Perfil FZ-0222

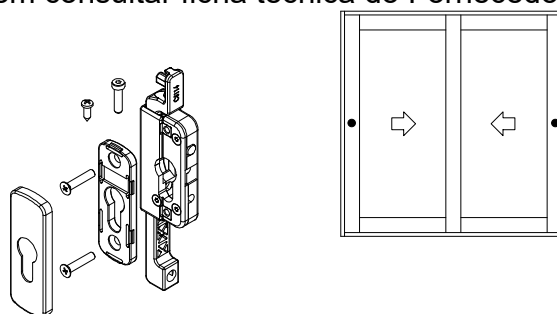


EPL-0002	Roseta Cilindro
	Aplicável MPC-3421 e CLD-0006



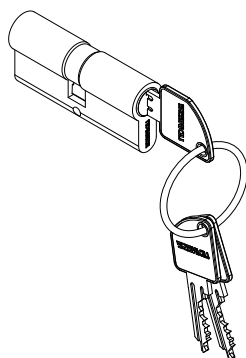
MPC-3421	Kit Fechadura
	Aplicável MPC-3410

*Usinagem consultar ficha técnica do Fornecedor



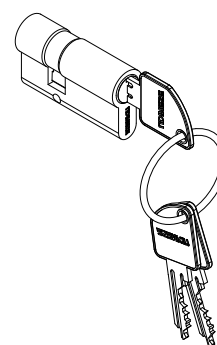
CLD-0006	Cilindro Interno/Externo
	Aplicável MPC-3421

*Usinagem consultar ficha técnica do Fornecedor



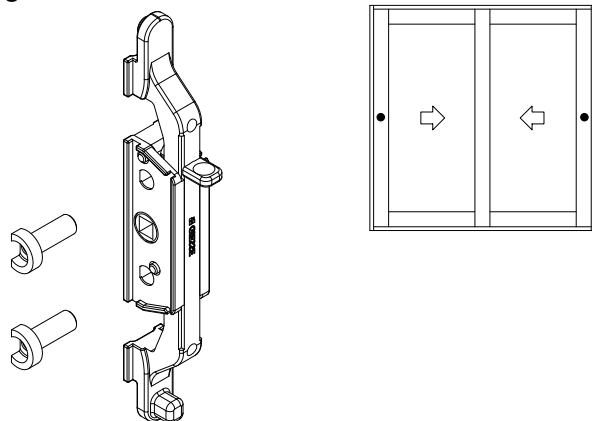
CLD-0005	Cilindro Interno
	Aplicável MPC-3421

*Usinagem consultar ficha técnica do Fornecedor

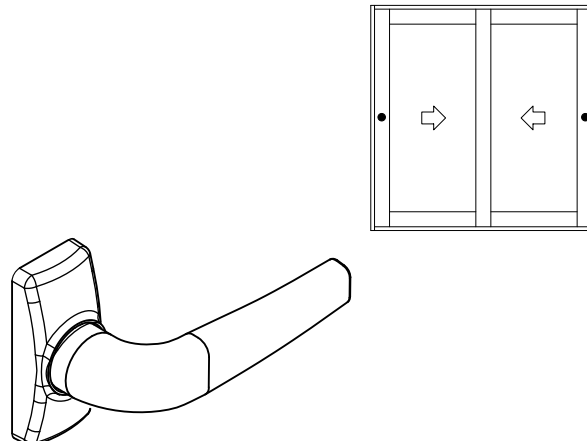


MPC-3410	Kit Mov. Sem Falsa Manobra

*Usinagem consultar ficha técnica do Fornecedor

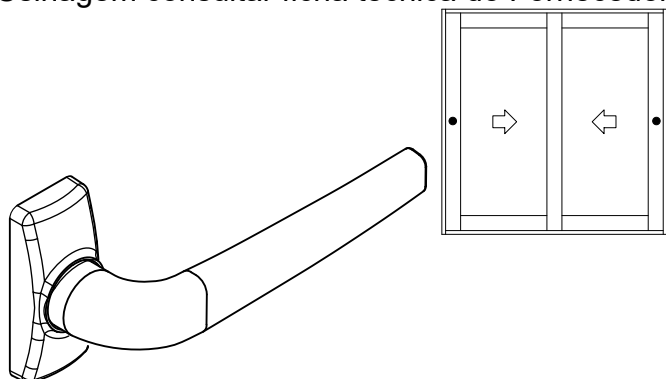


CMN-3405	Cremona Simples Janela 180°



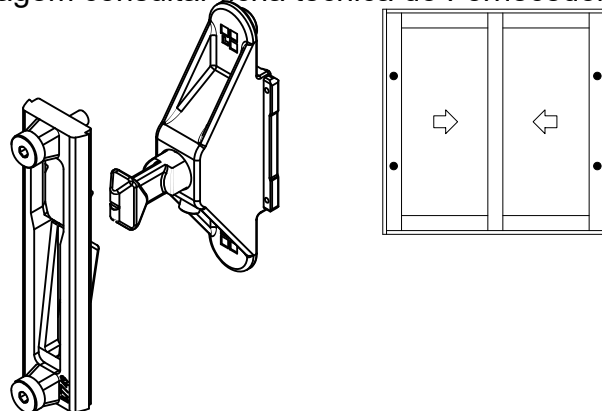
CMN-3406	Cremona simples Porta 180°

*Usinagem consultar ficha técnica do Fornecedor

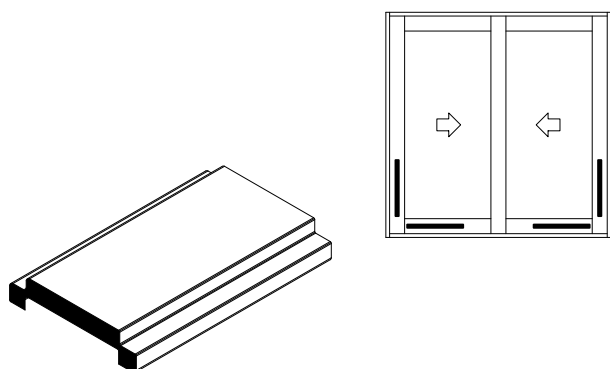


MPC-3411	Ponto de Fecho

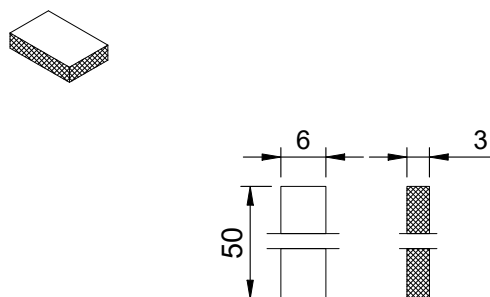
*Usinagem consultar ficha técnica do Fornecedor



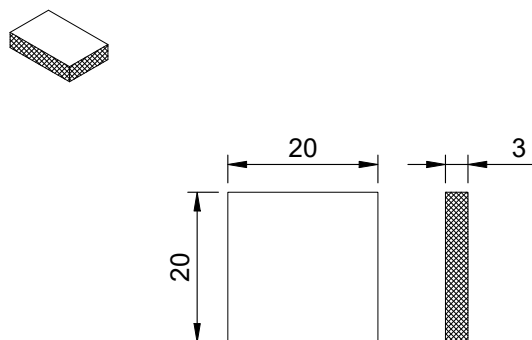
TRL-0002	Haste de Poliamida



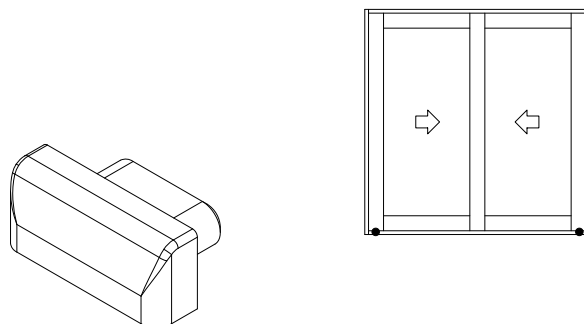
CAL-0603	Espuma EPDM (6X3X50) Calço Para Vidro Fixo



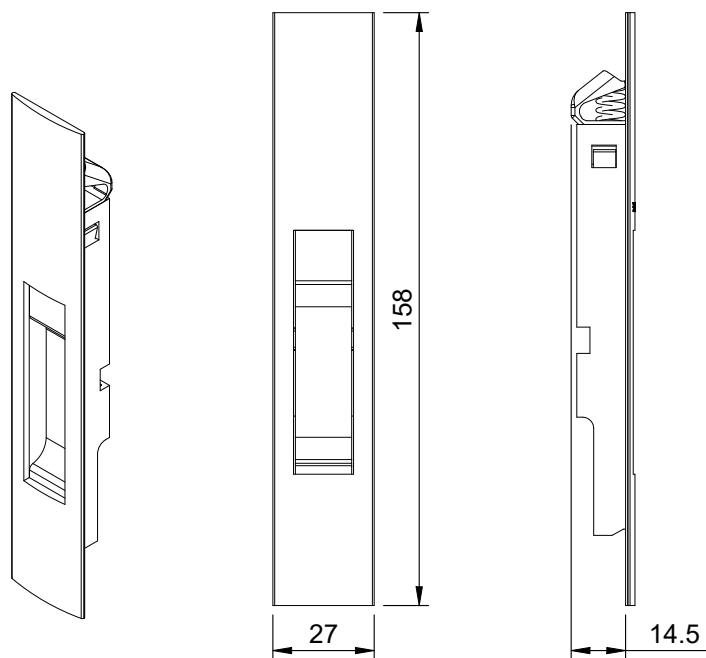
CAL-2003	Espuma EPDM (20X3X20) Calço Para Vidro Fixo



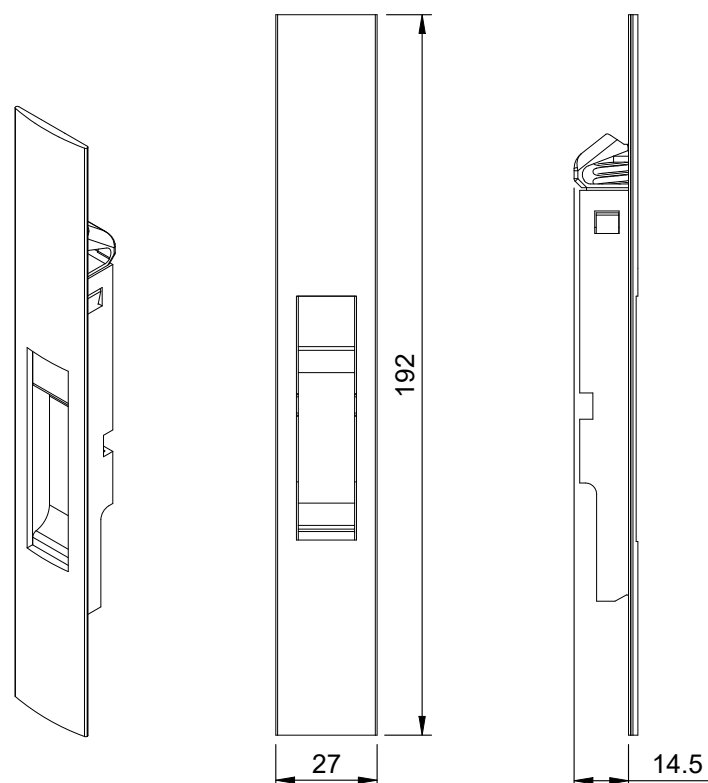
DRN-22002	Dreno Flap Saída d'Água Polimero Cor: Preto / Branco



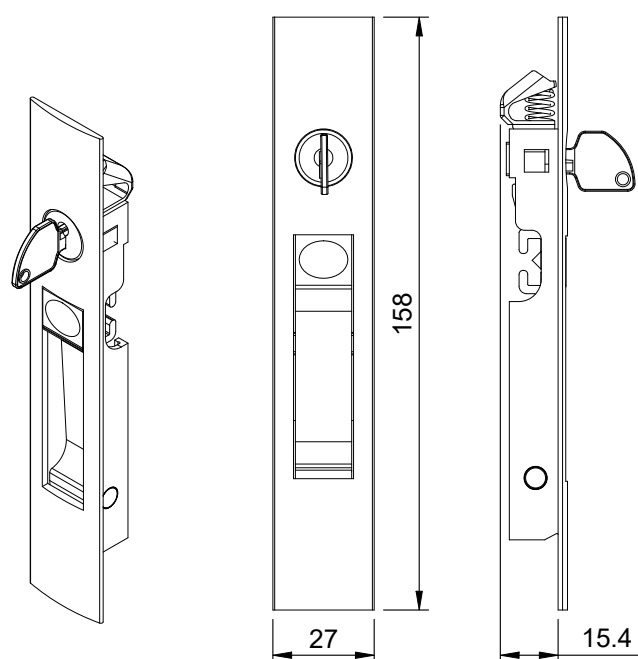
CHC-0003	Concha Cega Janela
	Aluminio / Polimero



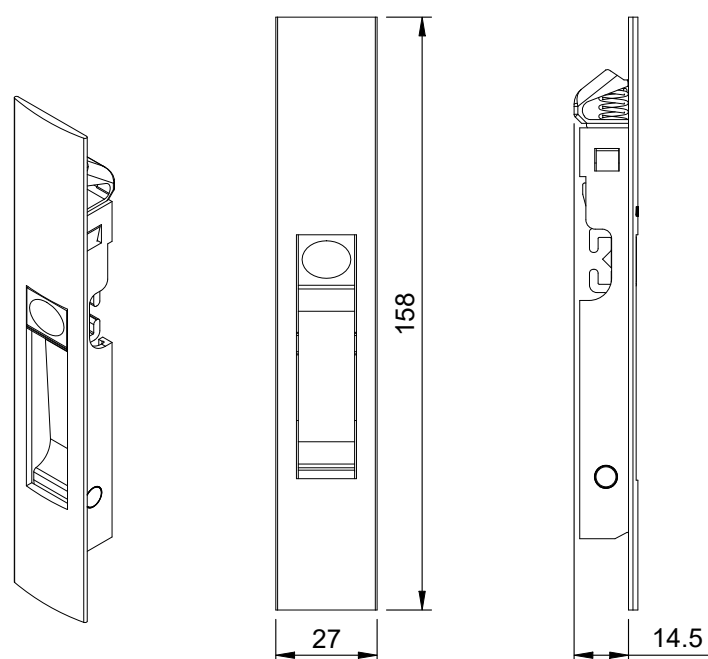
CHC-0004	Concha Cega Porta
	Aluminio / Polimero



FCH-0005	Fecho Janela com Chave
	Aluminio / Polimero

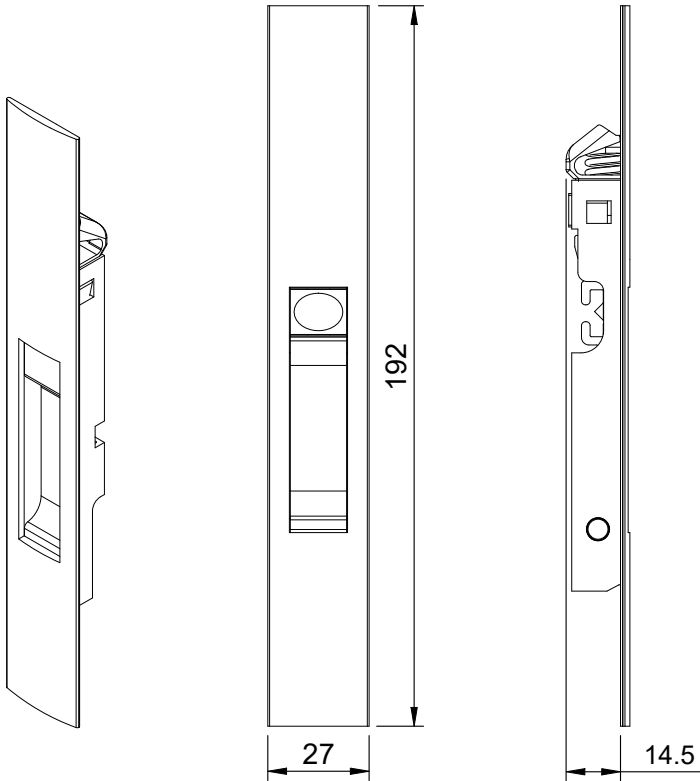
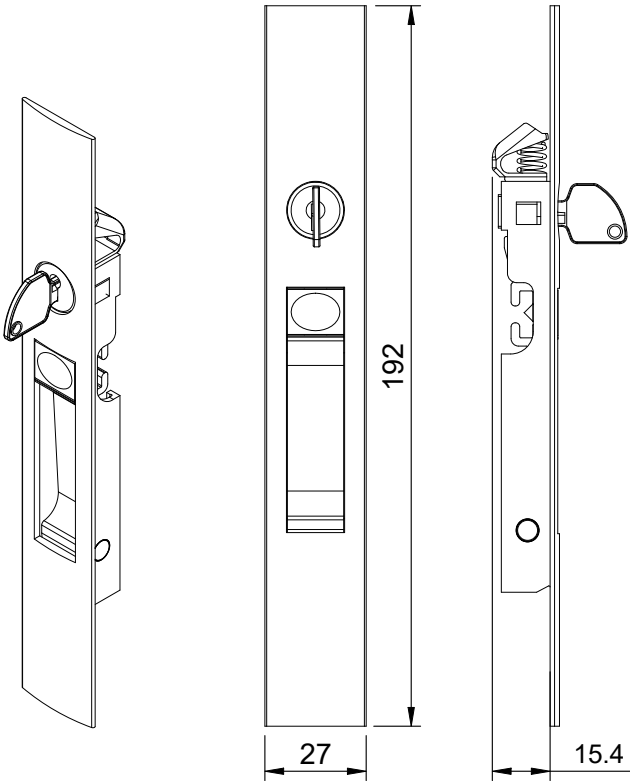


FCH-0006	Fecho Janela sem Chave
	Aluminio / Polimero

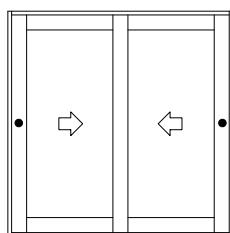
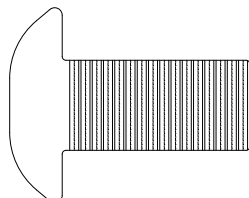


FCH-0026	Fecho Porta com Chave
	Aluminio / Polimero

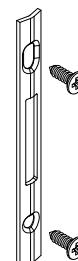
FCH-0027	Fecho Porta sem Chave
	Aluminio / Polimero



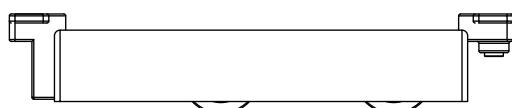
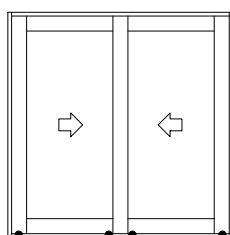
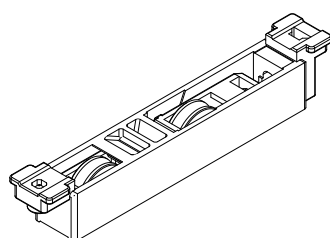
TRV-0007	Lingueta da Concha Trad.



CTF-0001	Contra Fecho Lateral / Central
	Aço inox - Natural

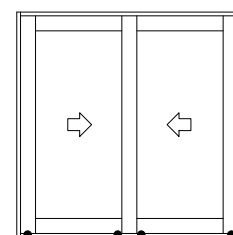
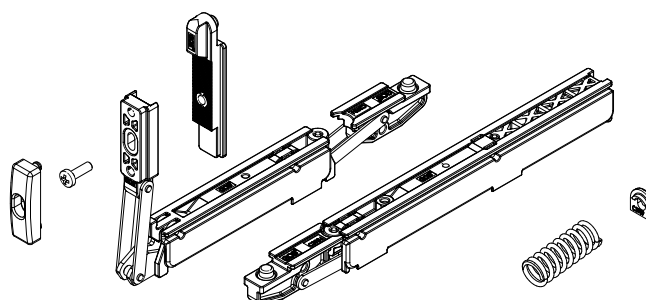


RLD-0024	Roldana Duplas - Slide
	Polimero : 300kg Por Folha (Máx)

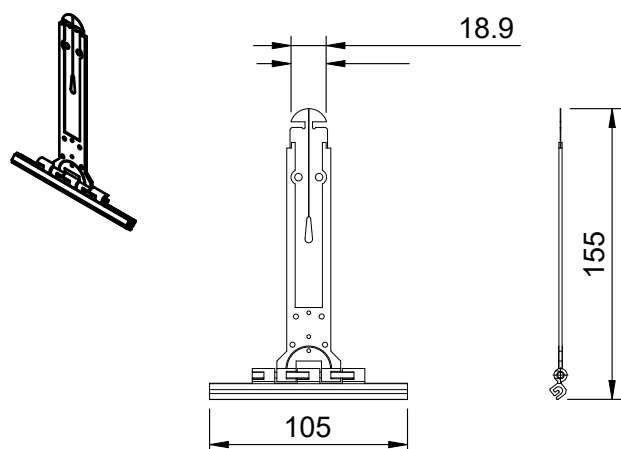


*Usinagem consultar ficha técnica do Fornecedor

RLD-0025	Kit de Roldana Duplas - Lift
	Polimero : 200kg Por Folha (Máx)



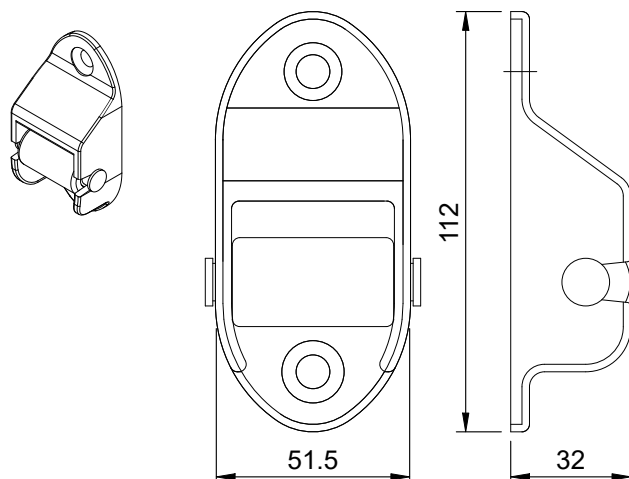
FPE-0001	Fixador da Esteira
	Aço Inox - Natural



MTA-0001	Manta Acústica
	Isolamento da Caixa da Persiana

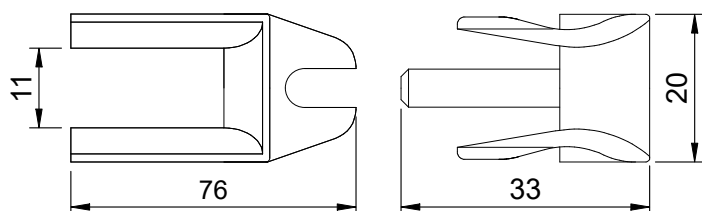
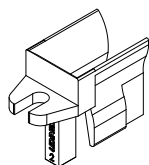


GCT-0005	Guia Frontal da Cinta Reta
	Polimero Cor: Preto / Branco



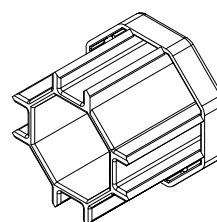
*Usinagem consultar ficha técnica do Fornecedor

GPE-0005	Guia da Esteira
	Polimero Cor: Preto

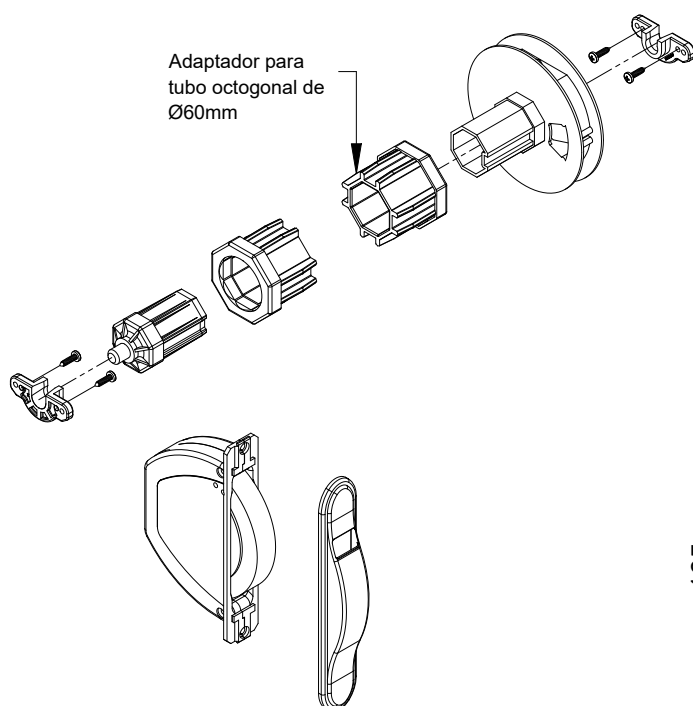
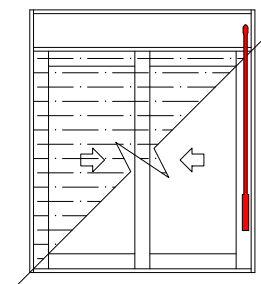


*Usinagem consultar ficha técnica do Fornecedor

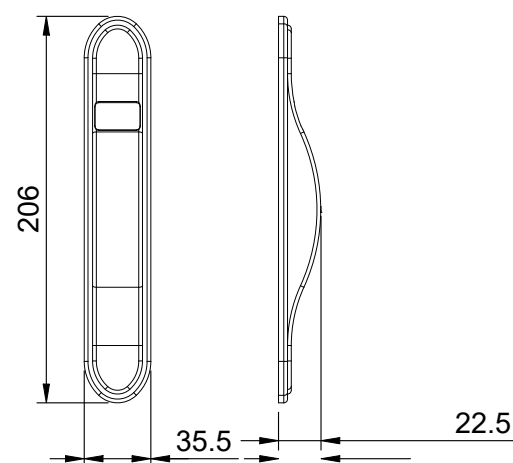
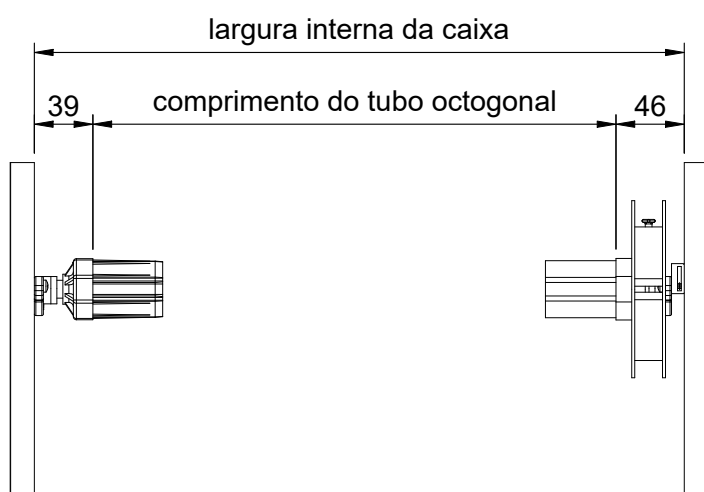
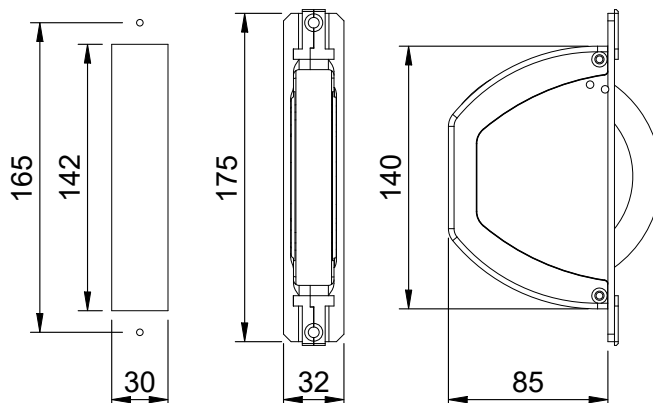
RCO-0003	Adaptador Para Tubo de 60
	Polimero Cor: Preto



RCO-0001	Recolhedor Manual Janela
	Cor: Preto / Branco

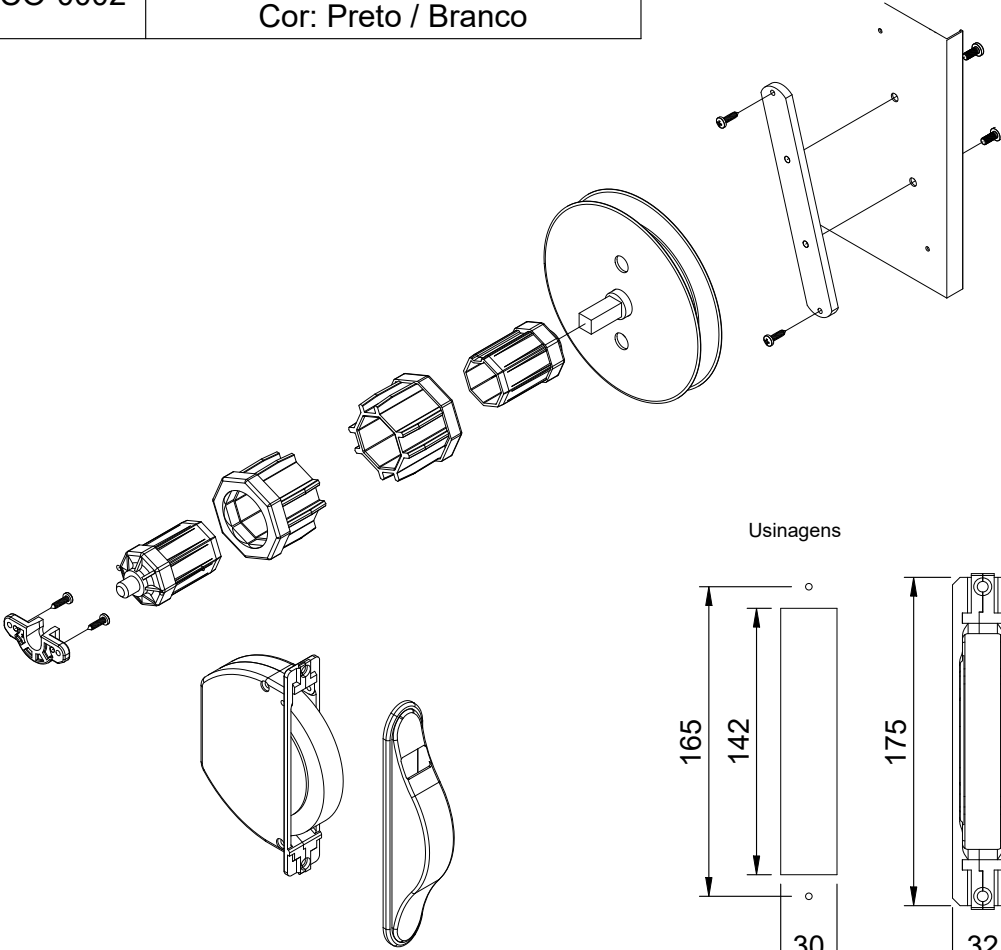
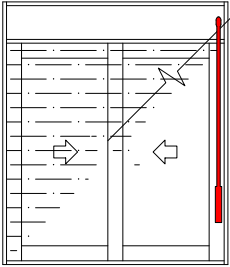


Usinagens

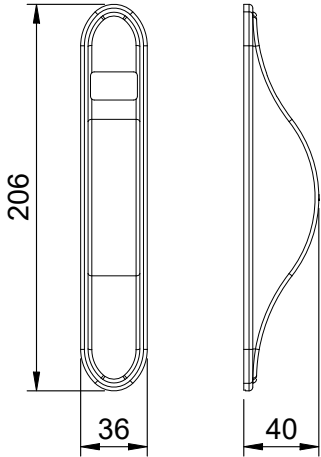
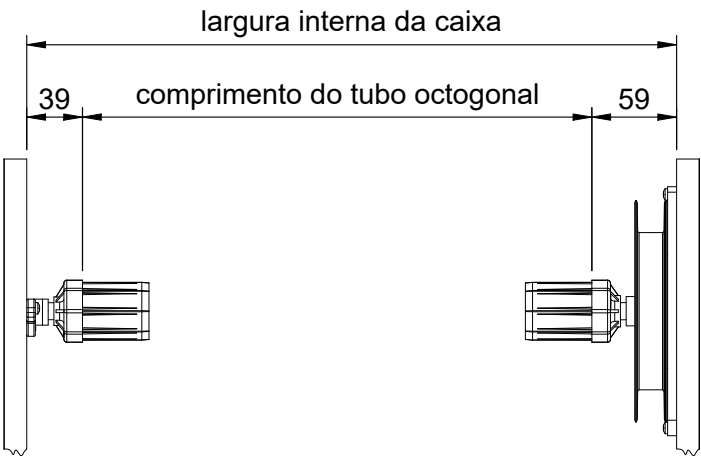
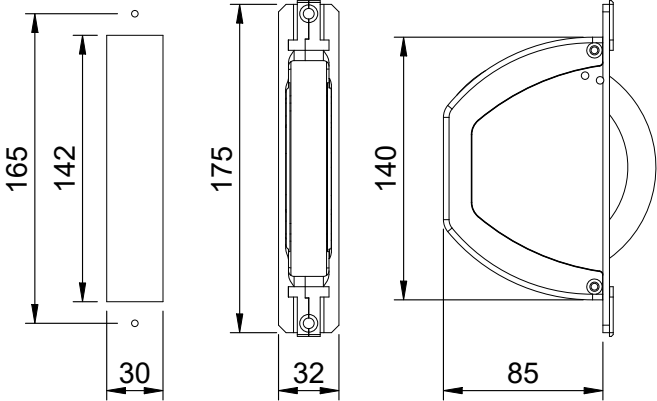


*Usinagem consultar ficha técnica do Fornecedor

RCO-0002	Recolhedor Manual Janela
	Cor: Preto / Branco

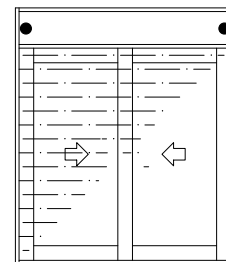
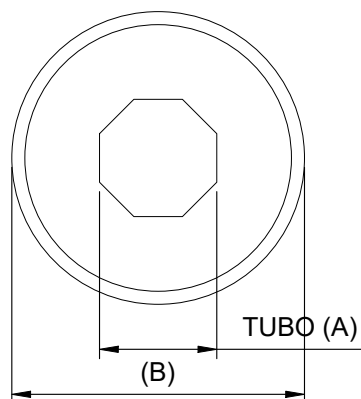
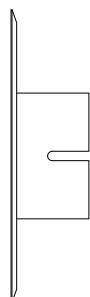
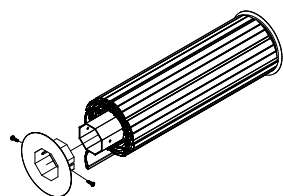


Usinagens

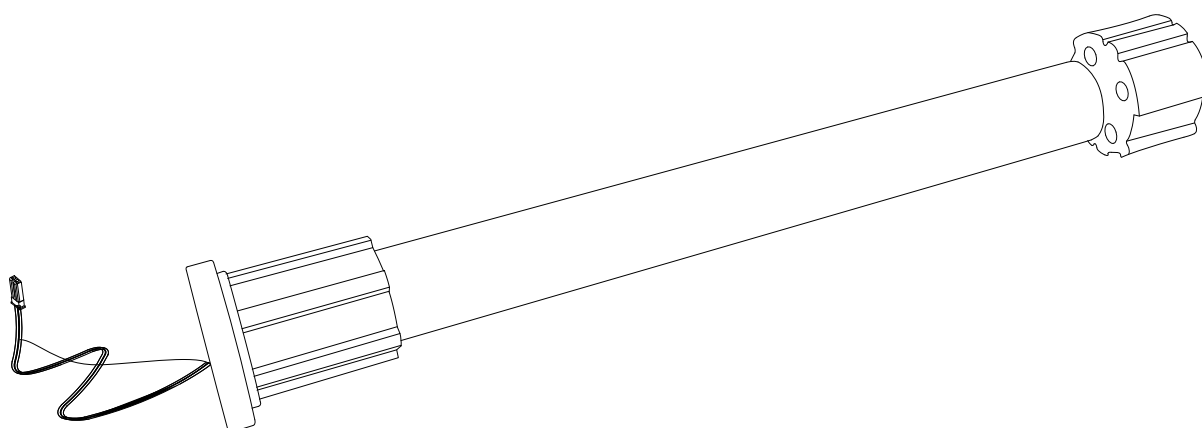


*Usinagem consultar ficha técnica do Fornecedor

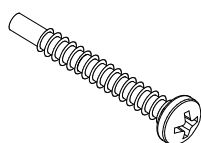
Disco Alinhador da Persiana	
Código	Tubo (A)
DAP-0040	DS-238 (40)
DAP-0060	MN-015 (60)



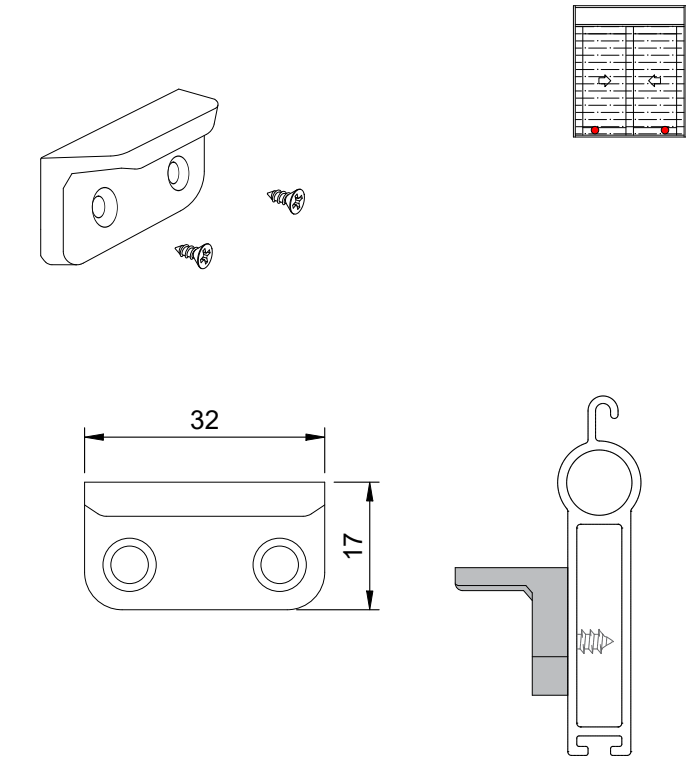
MPI-0001	Motor Persiana Integrada



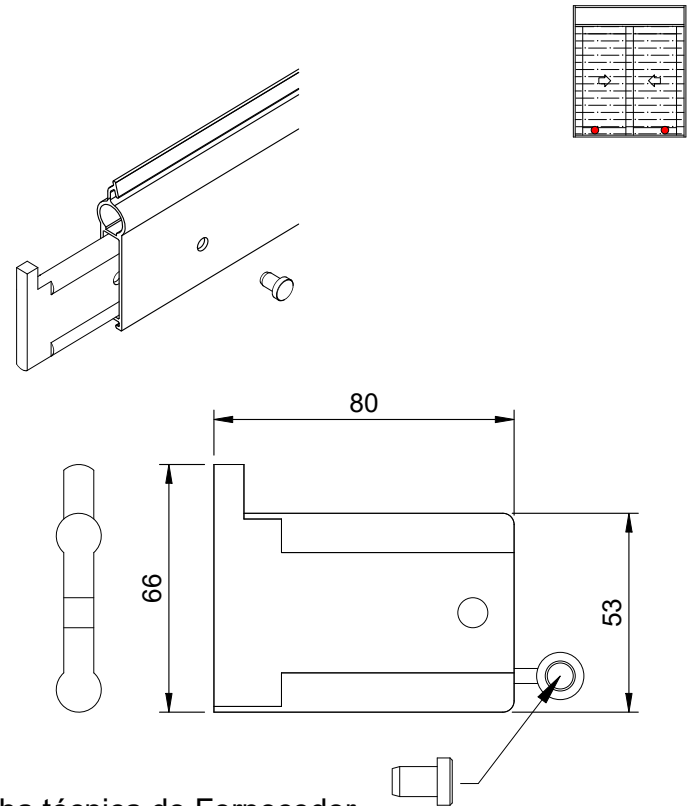
PCP-4832PL	Parf. Cab. Pan. 4,8x32 PL Aço Inox
	Fixa Marcos e Folhas



LPE-0001	Limitador da Esteira
	Polímero Cor: Preto / Branco



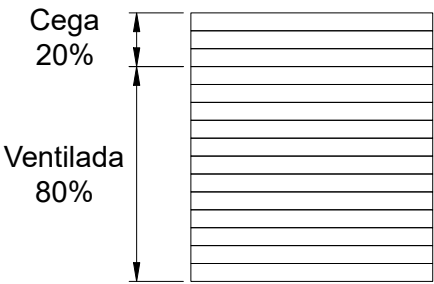
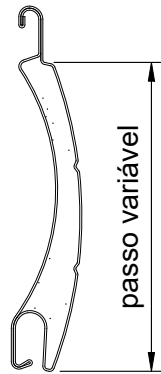
GPE-0002	Guia Limitador da Esteira
	Polimero Cor: Preto



*Usinagem consultar ficha técnica do Fornecedor

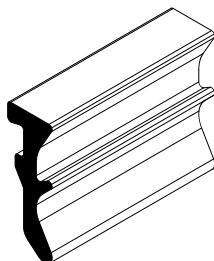
PAC-0001	Palheta Cega

PAV-0001	Palheta Ventilada

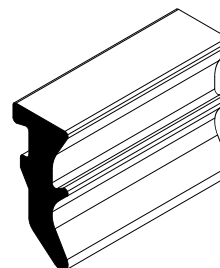


*Largura máxima e peso consultar ficha técnica do Fornecedor

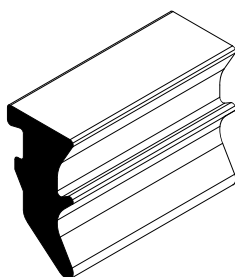
GXT-1171	Guarnição Cunha de EPDM 1mm



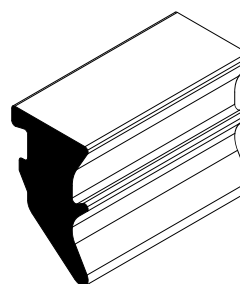
GXT-1172	Guarnição Cunha de EPDM 2mm



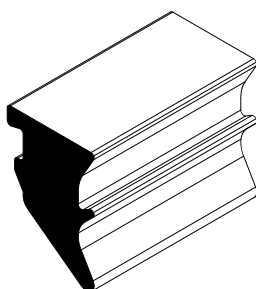
GXT-1173	Guarnição Cunha de EPDM 3mm



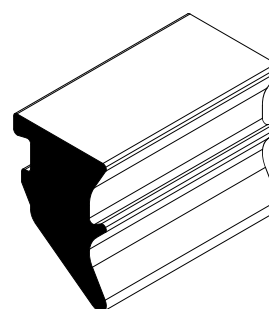
GXT-1174	Guarnição Cunha de EPDM 4mm



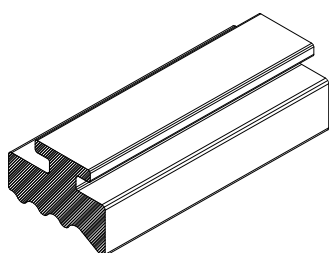
GXT-1175	Guarnição Cunha de EPDM 5mm



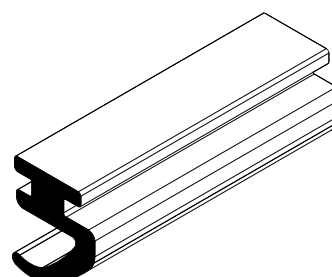
GXT-1176	Guarnição Cunha de EPDM 6mm



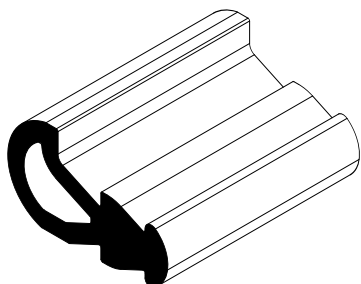
GXT-1165	Guarnição Ext. de EPDM 3,5mm



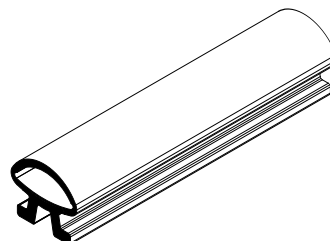
GXT-1166	Guarnição Encontro 90° de EPDM



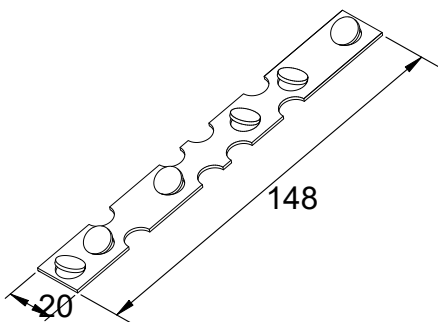
GXT-1168	Guarnição Central de EPDM



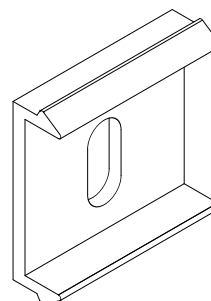
GXT-1167	Guarnição Perimetral de EPDM



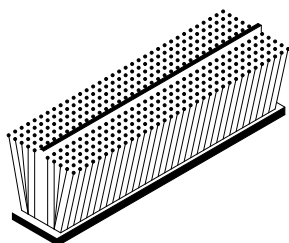
CBD-0001	Chumbador de Aço Zincado
	CM-060/ CM-063/ CM-174



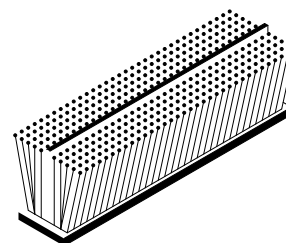
PRE-0003	Presilha de Arremate
	Aluminio



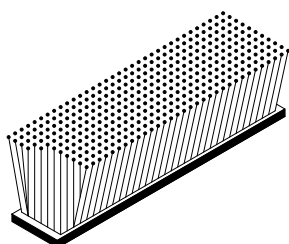
ECV-0708	Escova Ved. 7x8mm
	Cor: Preto / Branco / Cinza



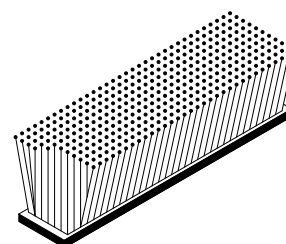
ECV-0708B	Escova Ved. 7x8mm com Barreira
	Cor: Preto / Branco / Cinza



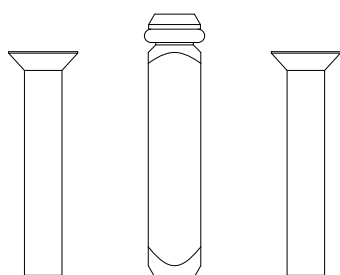
ECV-0510	Escova de Vedação 5x10mm
	Cor: Preto / Branco / Cinza



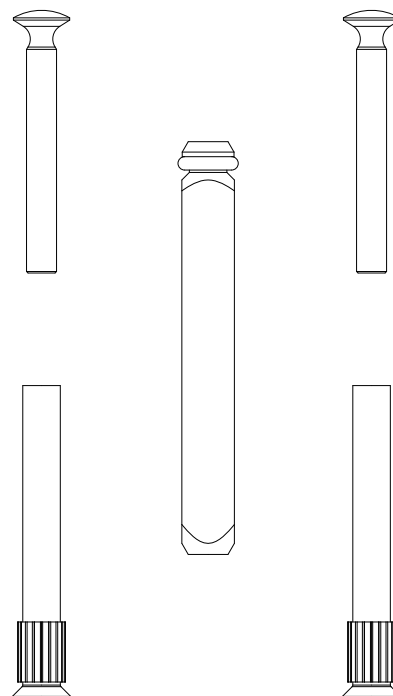
ECV-0508	Escova de Vedação 5x8mm
	Cor: Preto / Branco / Cinza



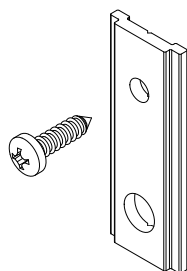
HST-0004	Haste Para Cremona Interna
	Conforme Fornecedor



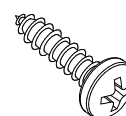
HST-0005	Haste Para Crem. Interna/Externa
	Conforme Fornecedor



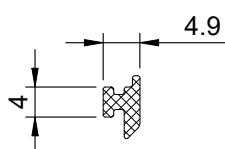
TFF-0007	Trava Folha Fixa
	Polimero Preto

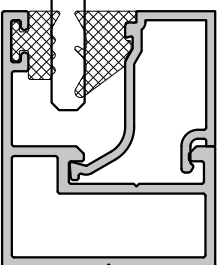
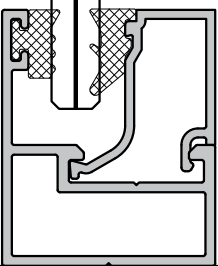
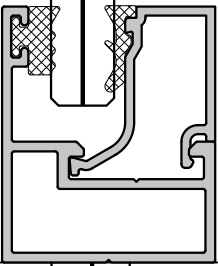
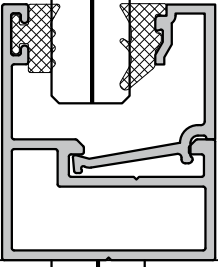
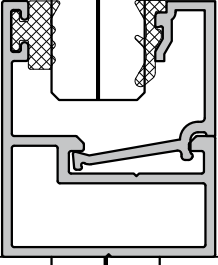
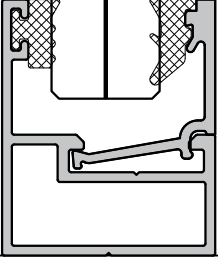


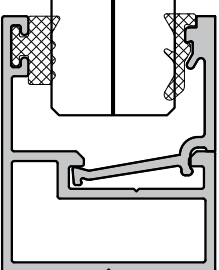
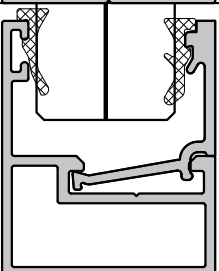
PCP-4213	Parf. Cab. Pan. 4,2x13
	Aço Inox

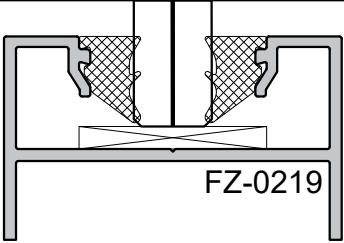
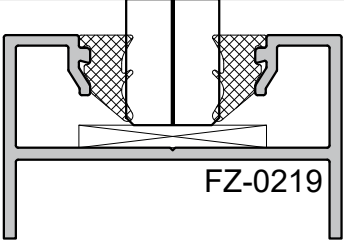
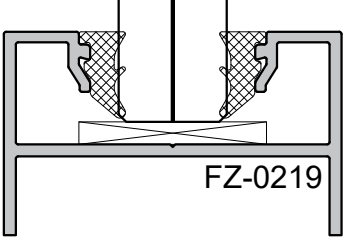
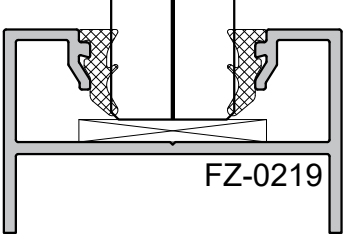
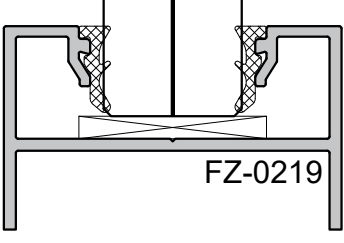


GXT-1102	Guarnição EPDM telescopia
	Cor: Preto / Branco / Cinza



GAXETAS PARA VIDRO - APLICAÇÃO			
PERFIL	ESPESSURA DO VIDRO	GUARNIÇÃO EXTERNA	GUARNIÇÃO INTERNA
 FZ-0034	4mm	GXT-1165 	GXT-1176 
 FZ-0034	6mm	GXT-1165 	GXT-1174 
 FZ-0034	8mm	GXT-1165 	GXT-1172 
 FZ-0035	10mm	GXT-1165 	GXT-1174 
 FZ-0035	12mm	GXT-1165 	GXT-1172 
 FZ-0036	14mm	GXT-1165 	GXT-1174 

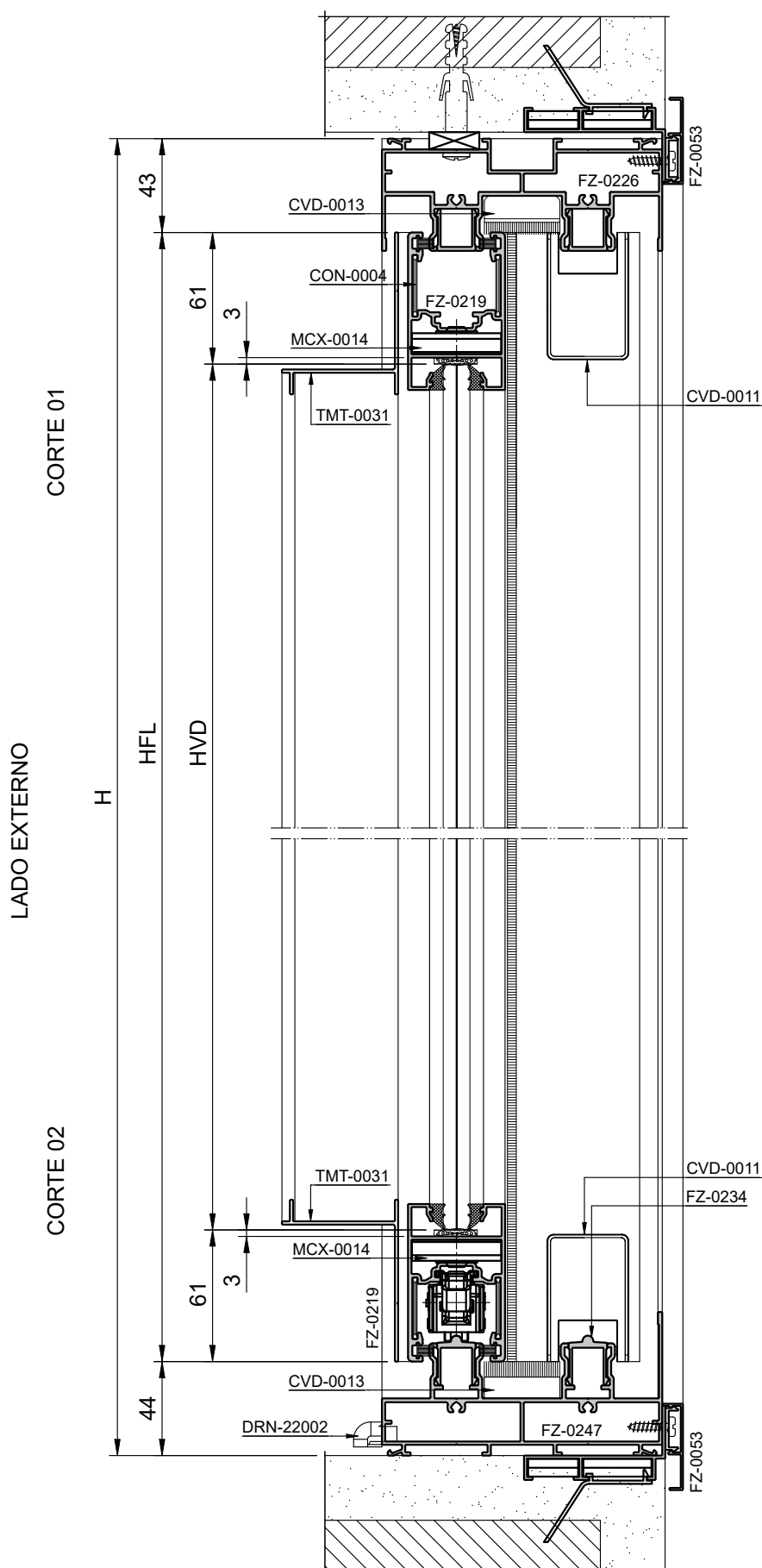
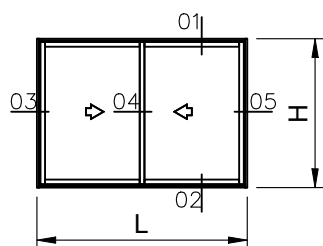
GAXETAS PARA VIDRO - APLICAÇÃO			
PERFIL	ESPESSURA DO VIDRO	GUARNIÇÃO EXTERNA	GUARNIÇÃO INTERNA
 FZ-0036	16mm	GXT-1165 	GXT-1172 
 FZ-0036	18mm	GXT-1171 	GXT-1172 

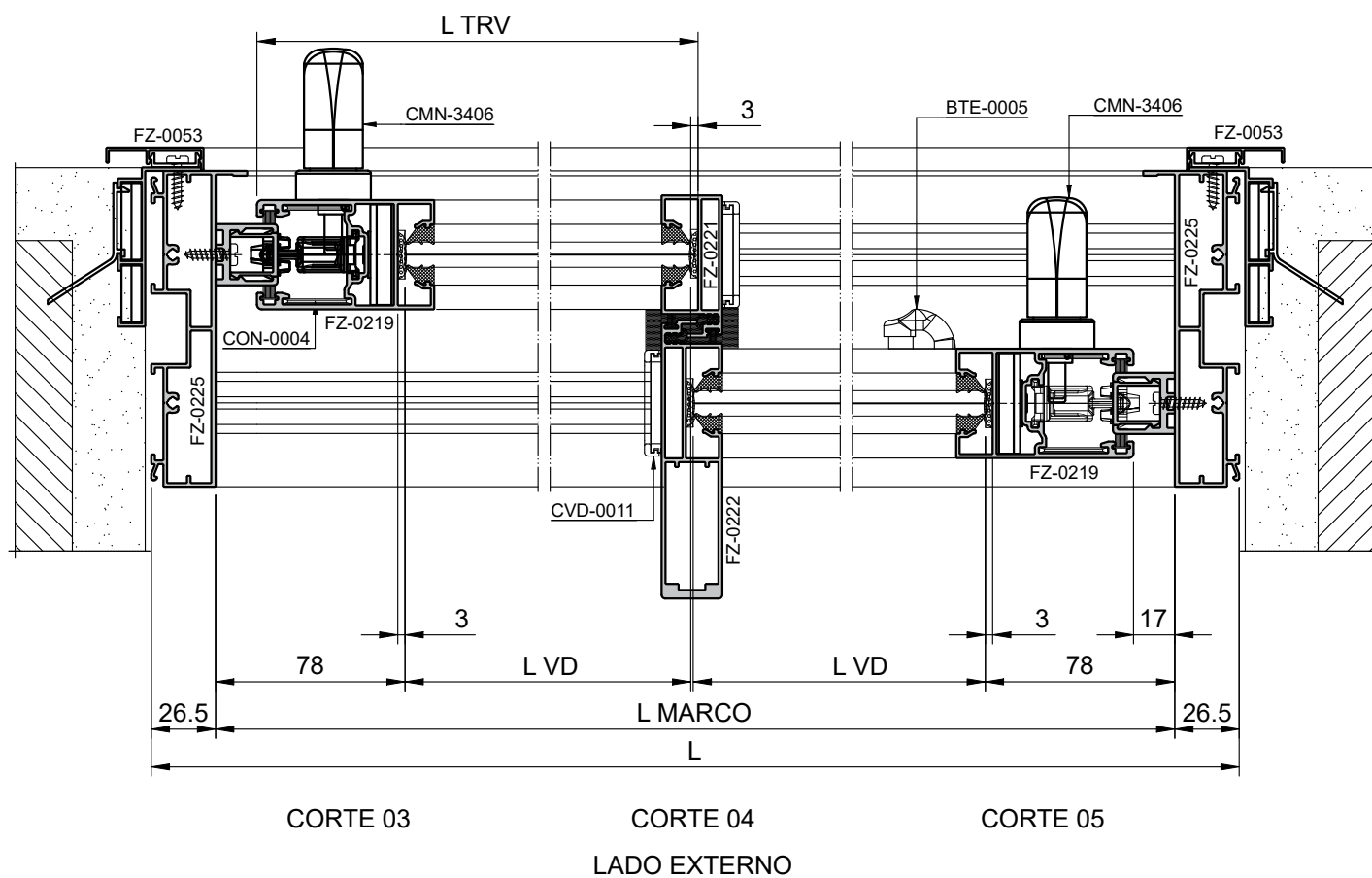
GAXETAS PARA VIDRO - APLICAÇÃO			
PERFIL	ESPESSURA DO VIDRO	GUARNIÇÃO EXTERNA	GUARNIÇÃO INTERNA
 FZ-0219	10mm	GXT-1176 	GXT-1176 
 FZ-0219	12mm	GXT-1175 	GXT-1175 
 FZ-0219	14mm	GXT-1174 	GXT-1174 
 FZ-0219	16mm	GXT-1173 	GXT-1173 
 FZ-0219	18mm	GXT-1172 	GXT-1172 

Montagens

5

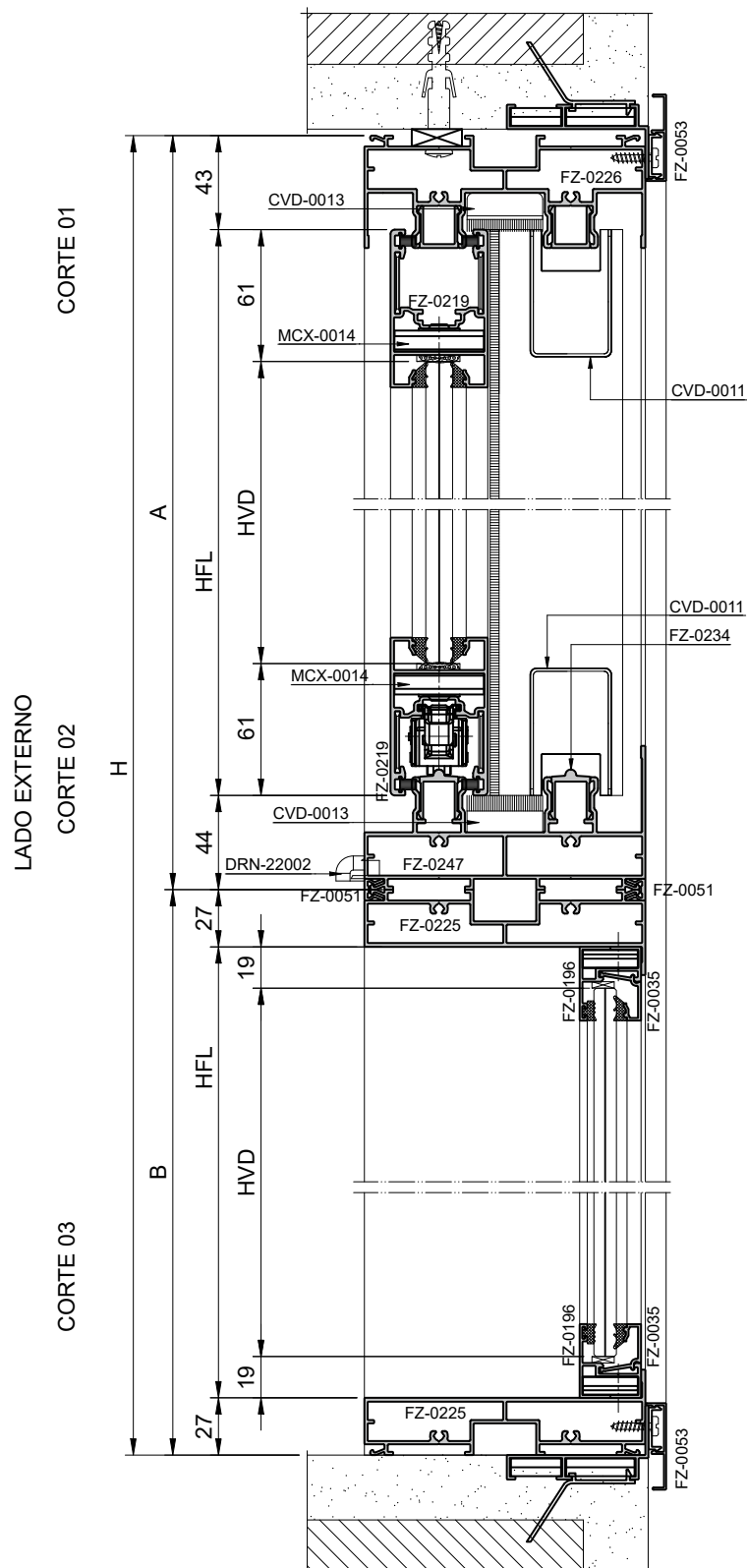
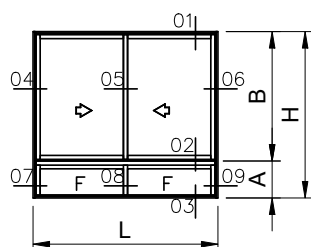
JANELA DE CORRER 2 FOLHAS

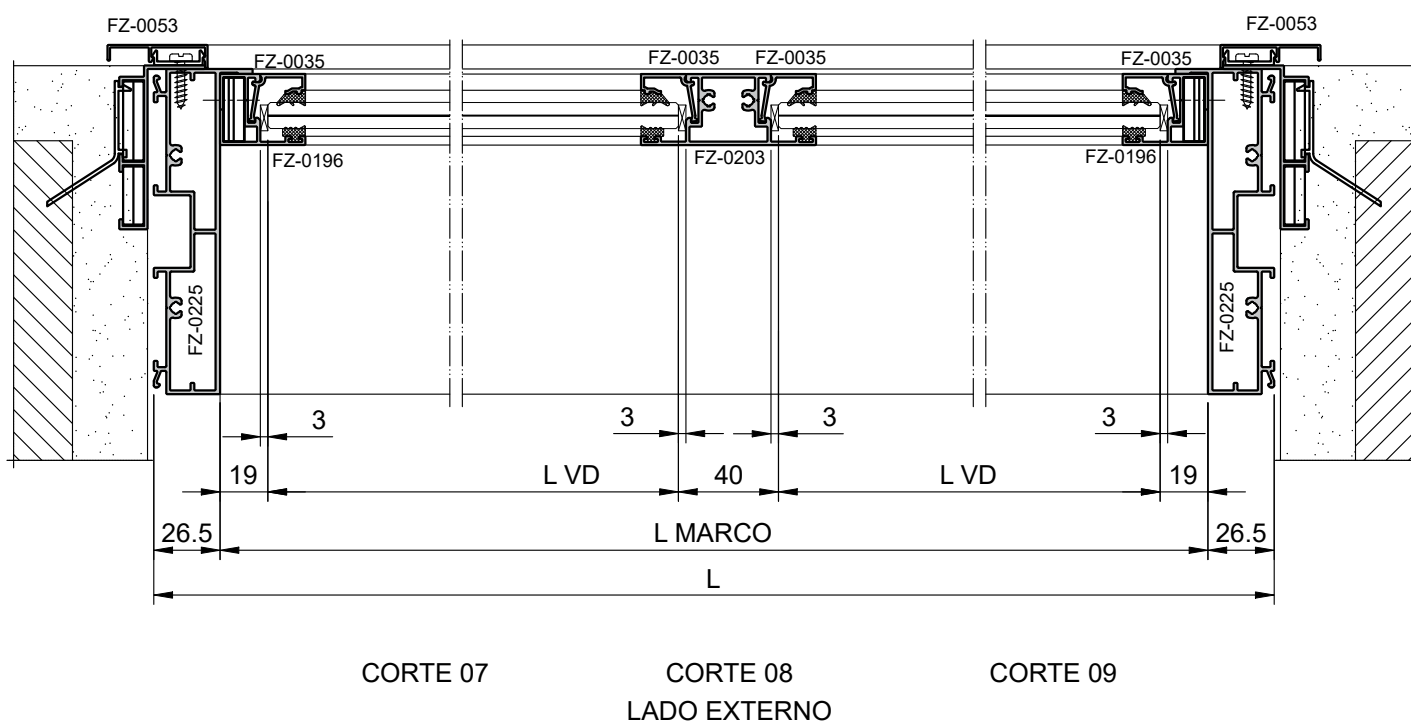
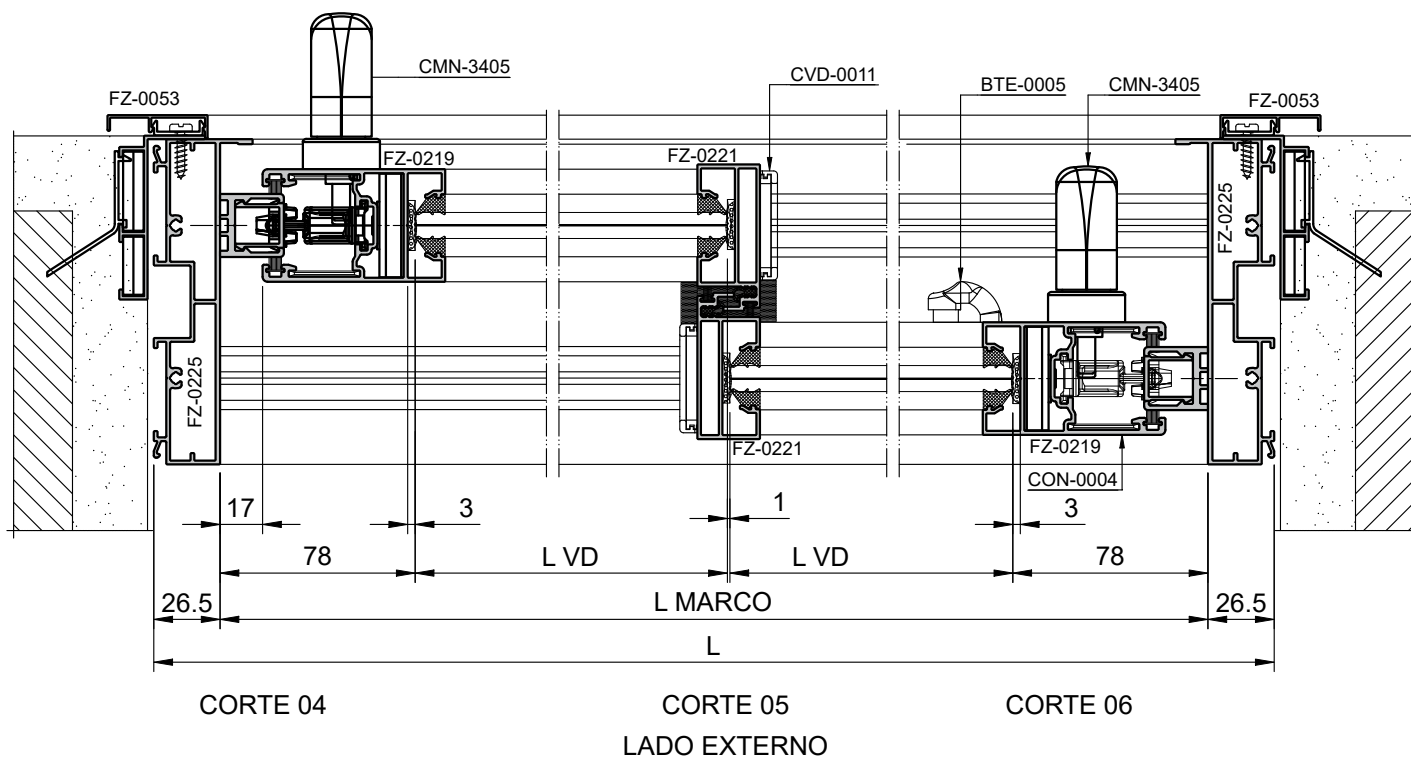


JANELA DE CORRER
2 FOLHAS

JANELA DE CORRER 2 FOLHAS

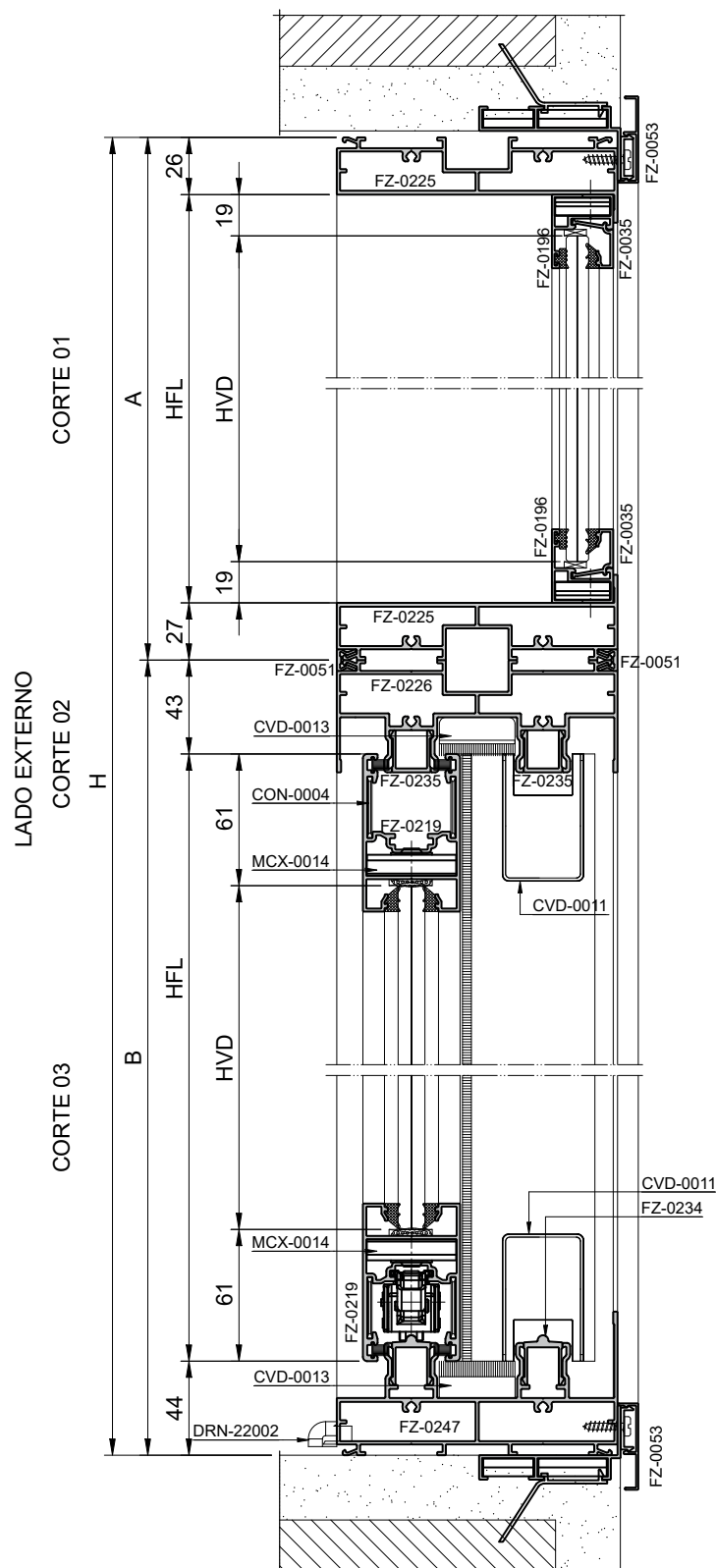
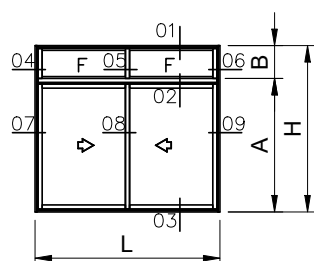
COM PEITORIL

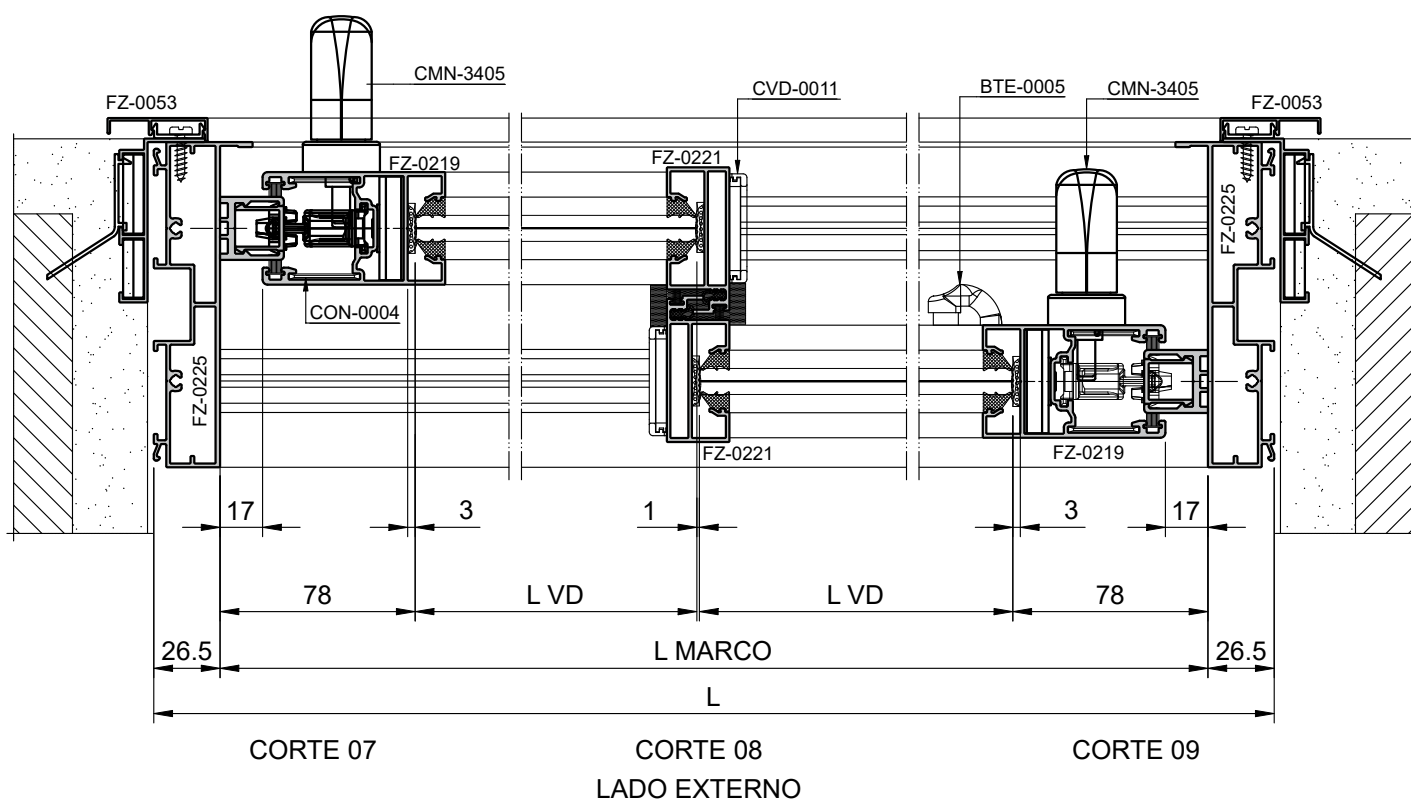
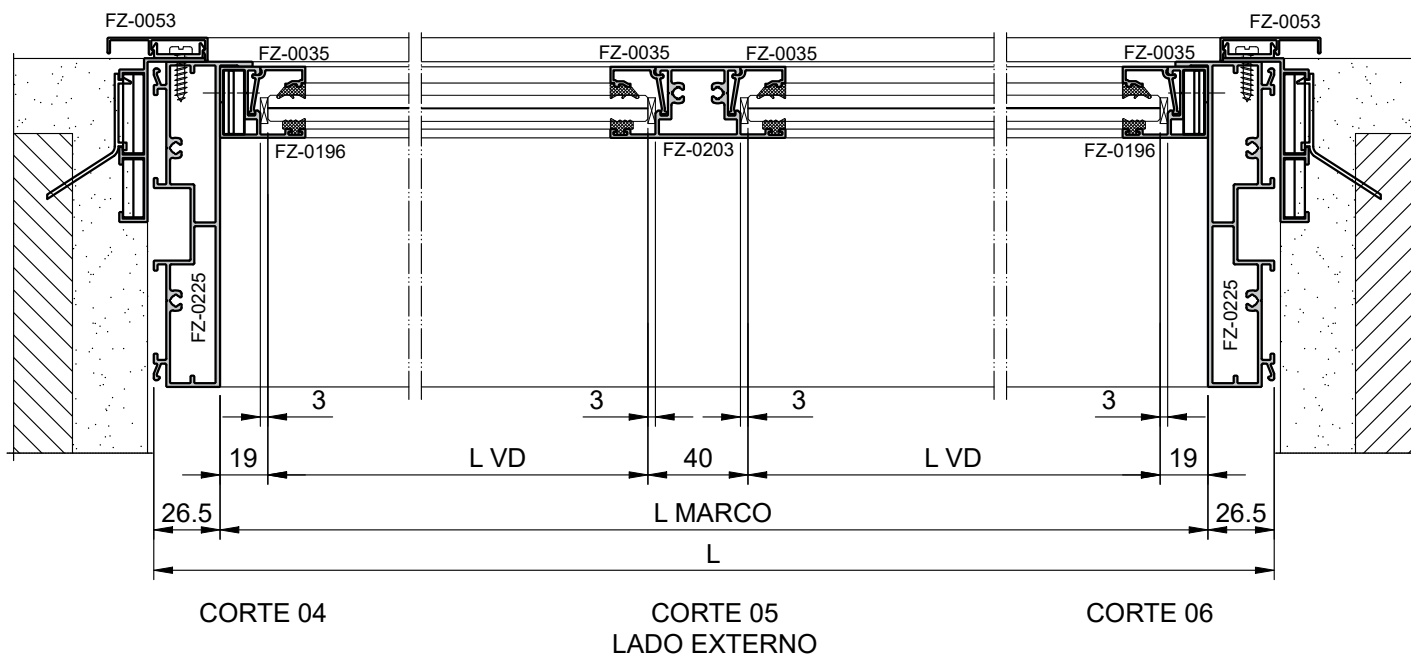


JANELA DE CORRER
2 FOLHAS**COM PEITORIL**

JANELA DE CORRER 2 FOLHAS

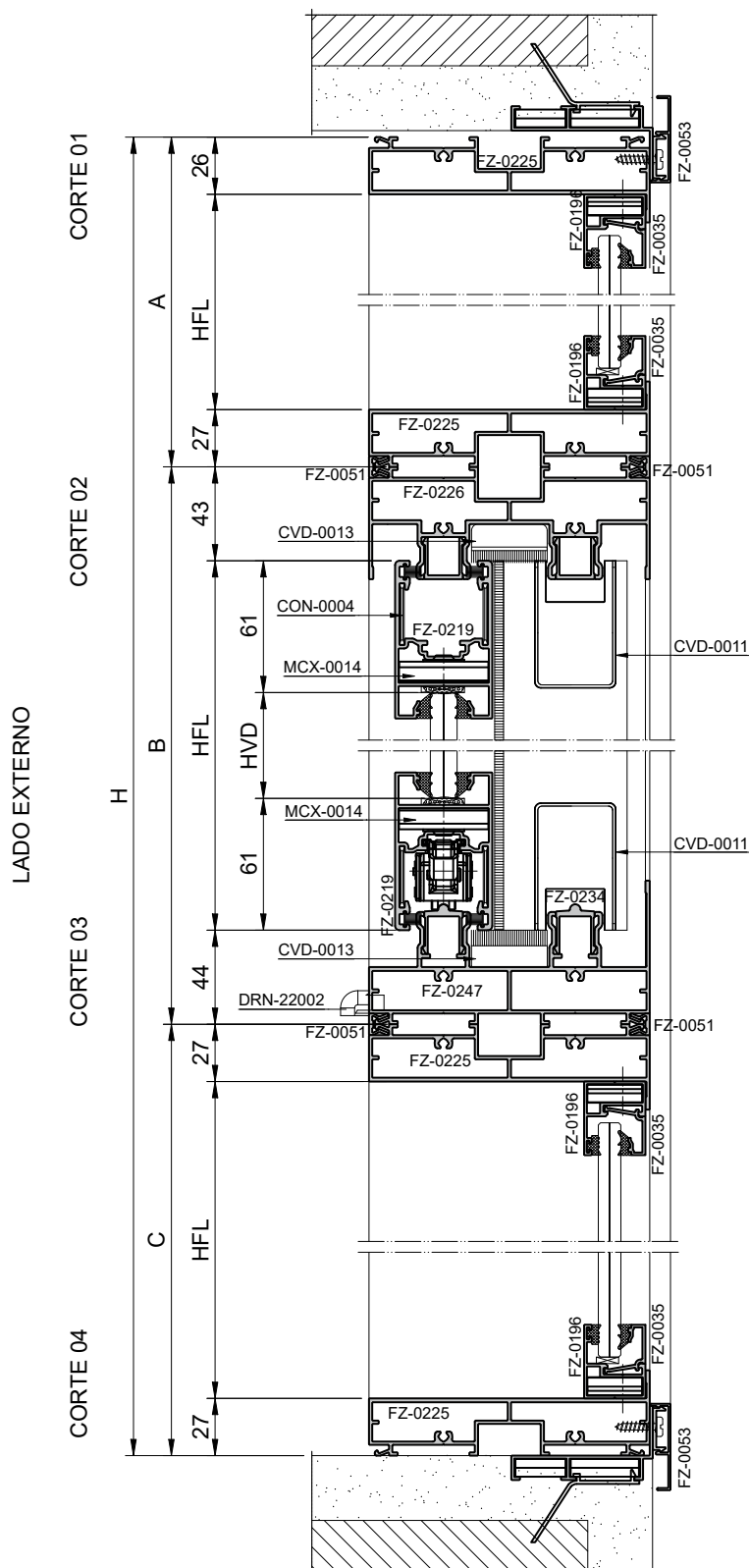
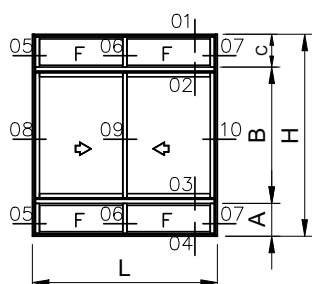
COM BANDEIRA

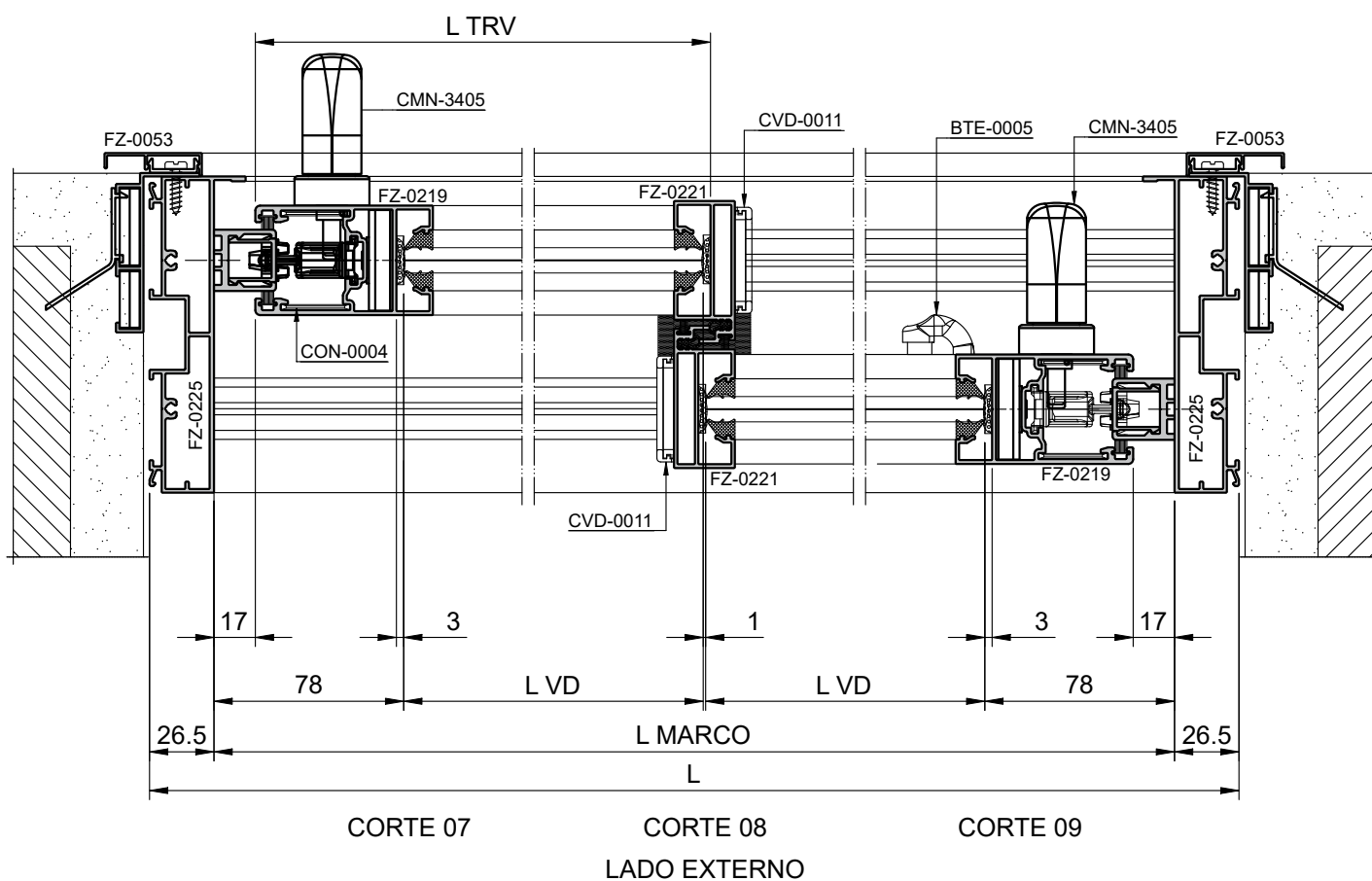
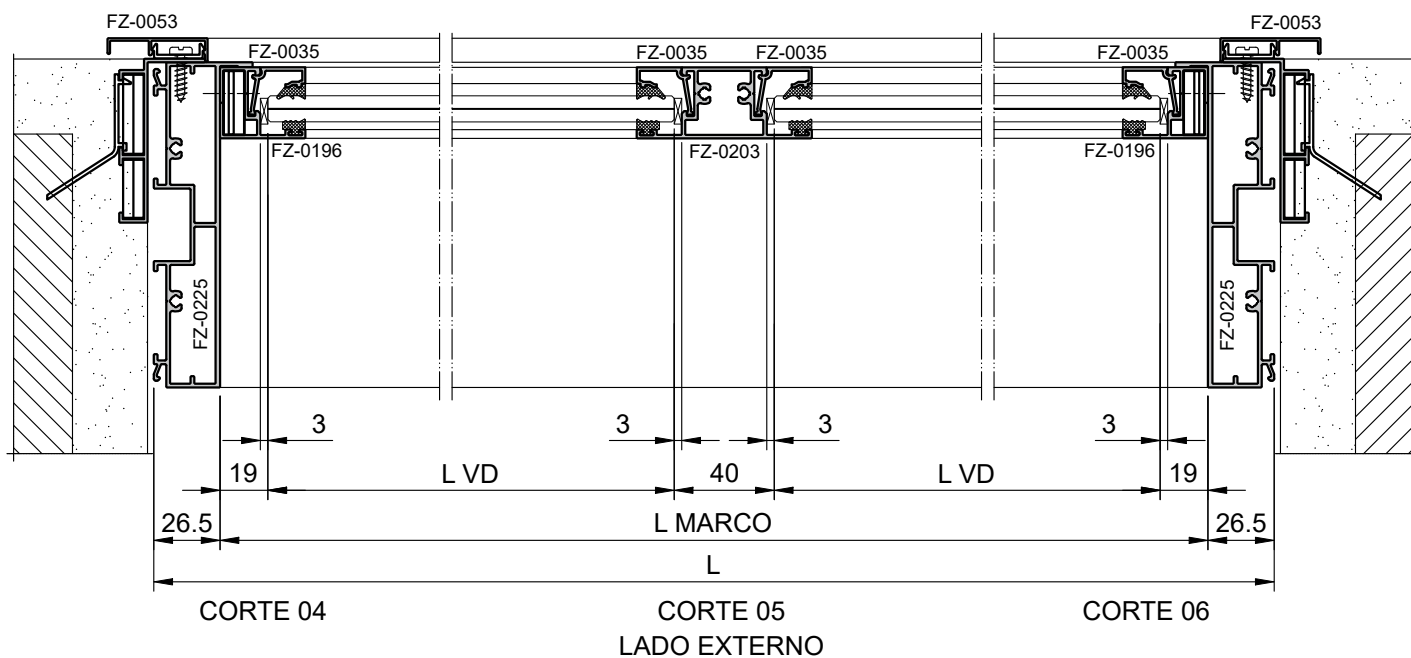


JANELA DE CORRER
2 FOLHAS**COM BANDEIRA**

JANELA DE CORRER 2 FOLHAS

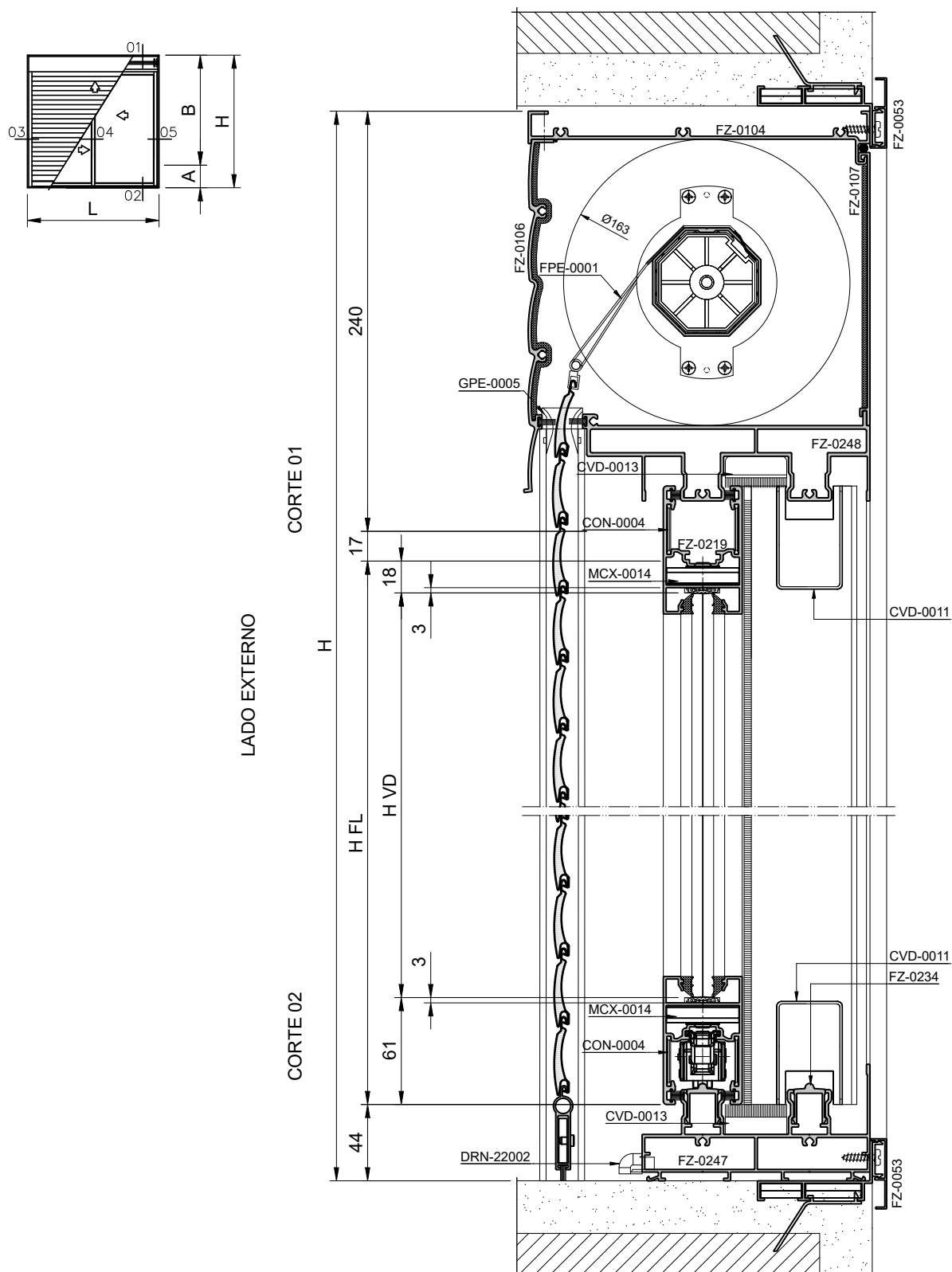
COM PEITORIL E BANDEIRA

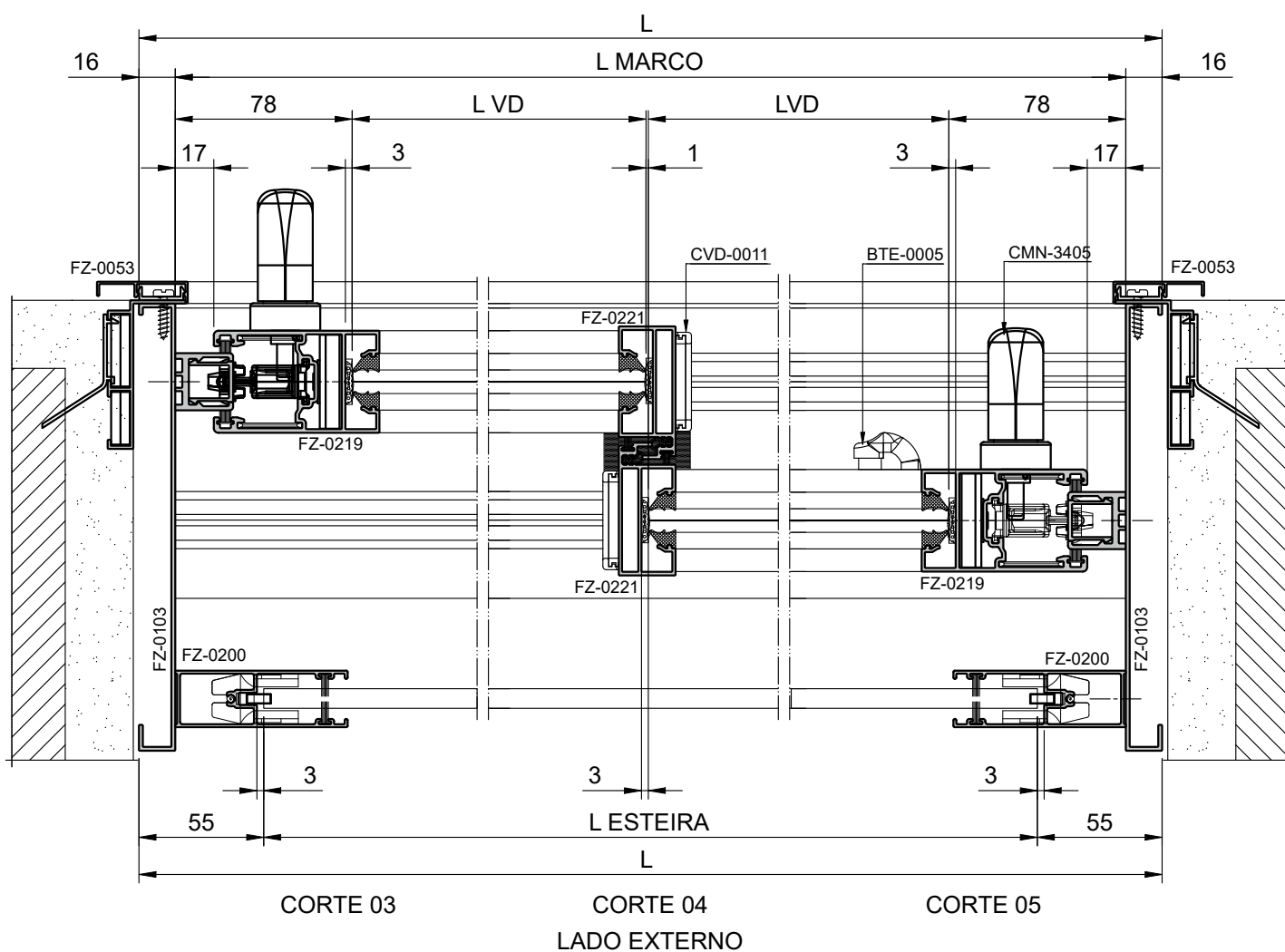


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2 FOLHAS**COM PEITORIL E BANDEIRA**

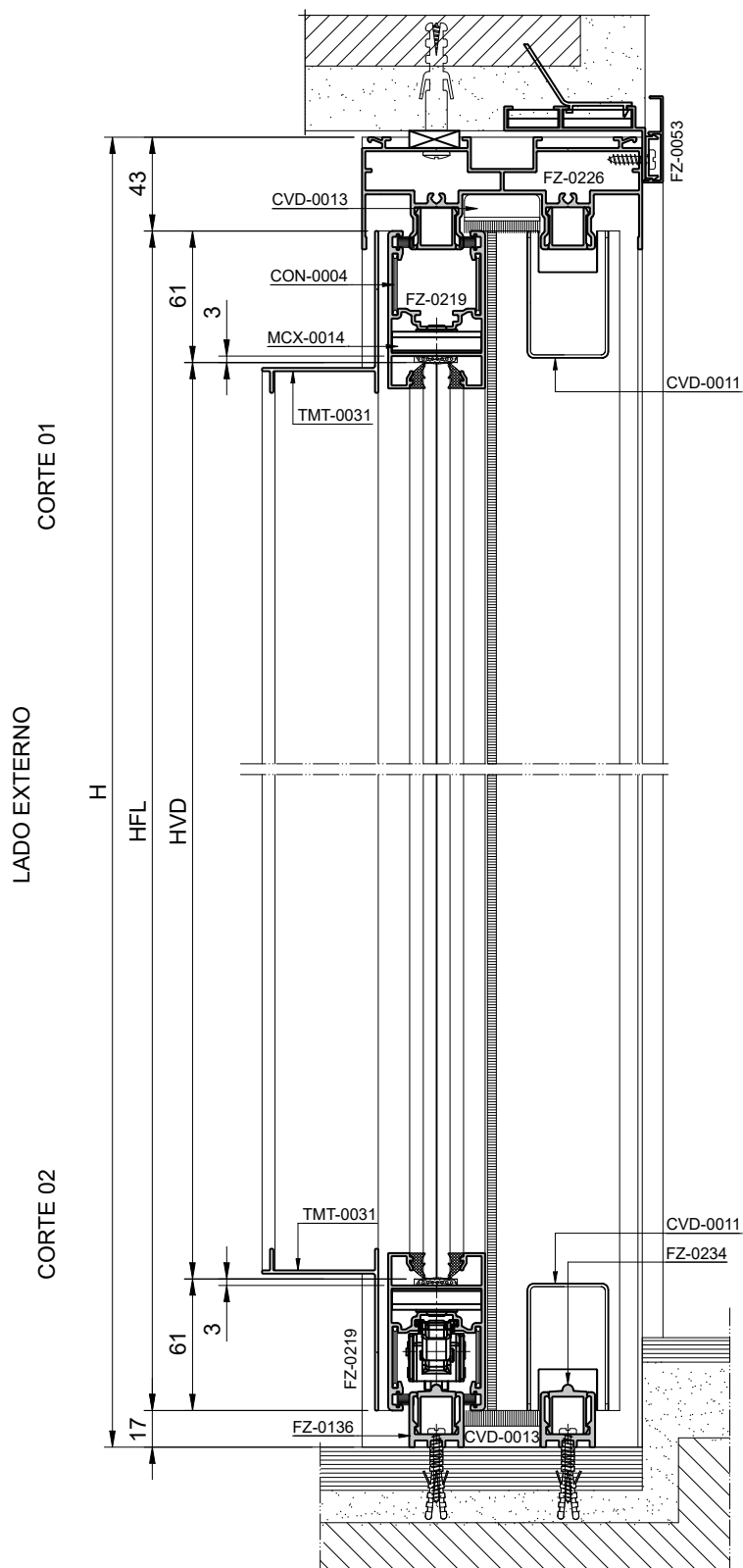
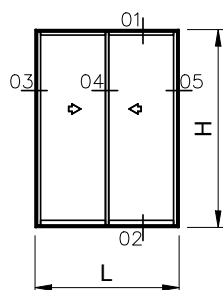
JANELA DE CORRER 2 FOLHAS

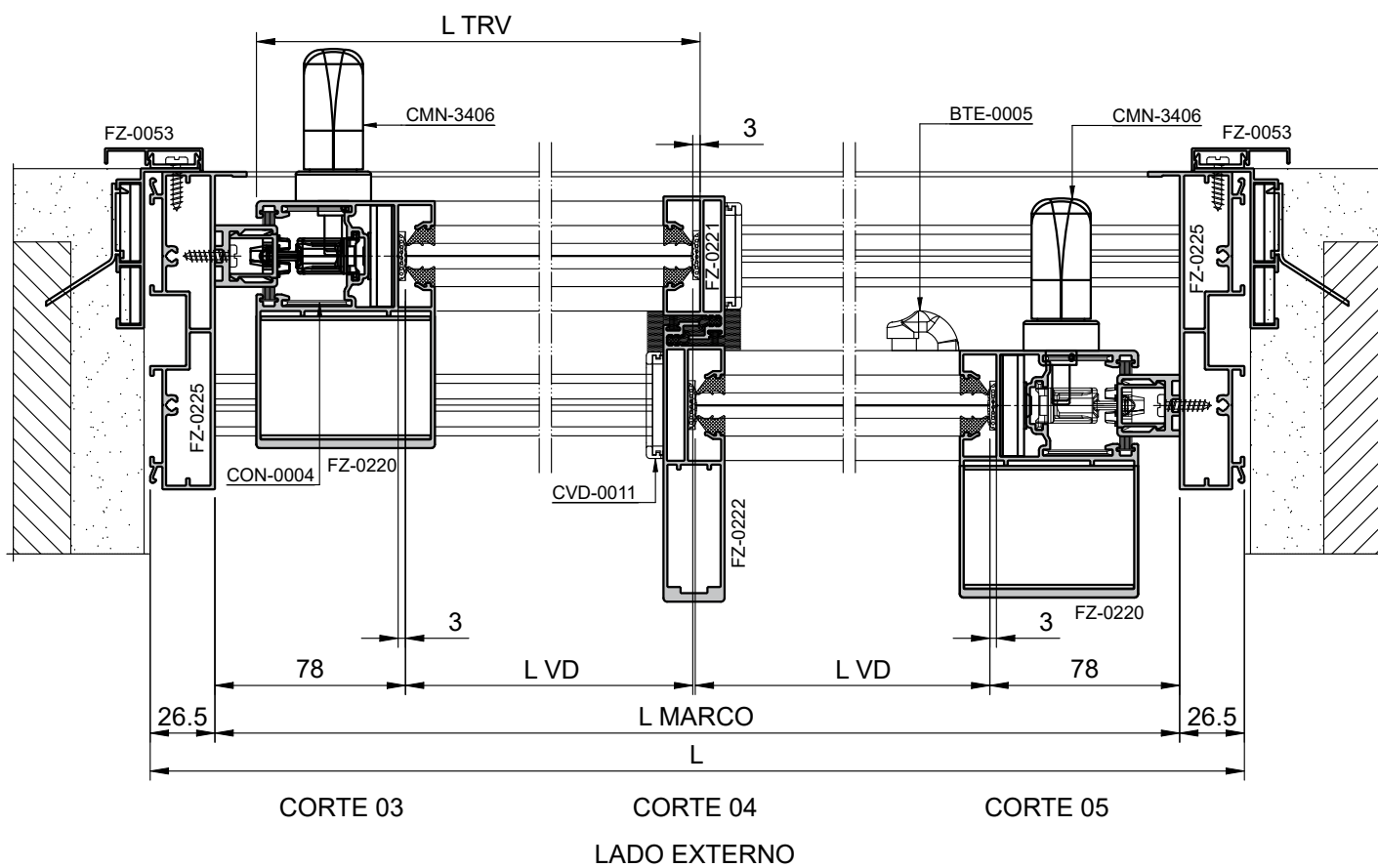
COM PERSIANA INTEGRADA



JANELA DE CORRER
2 FOLHAS**COM PERSIANA INTEGRADA**

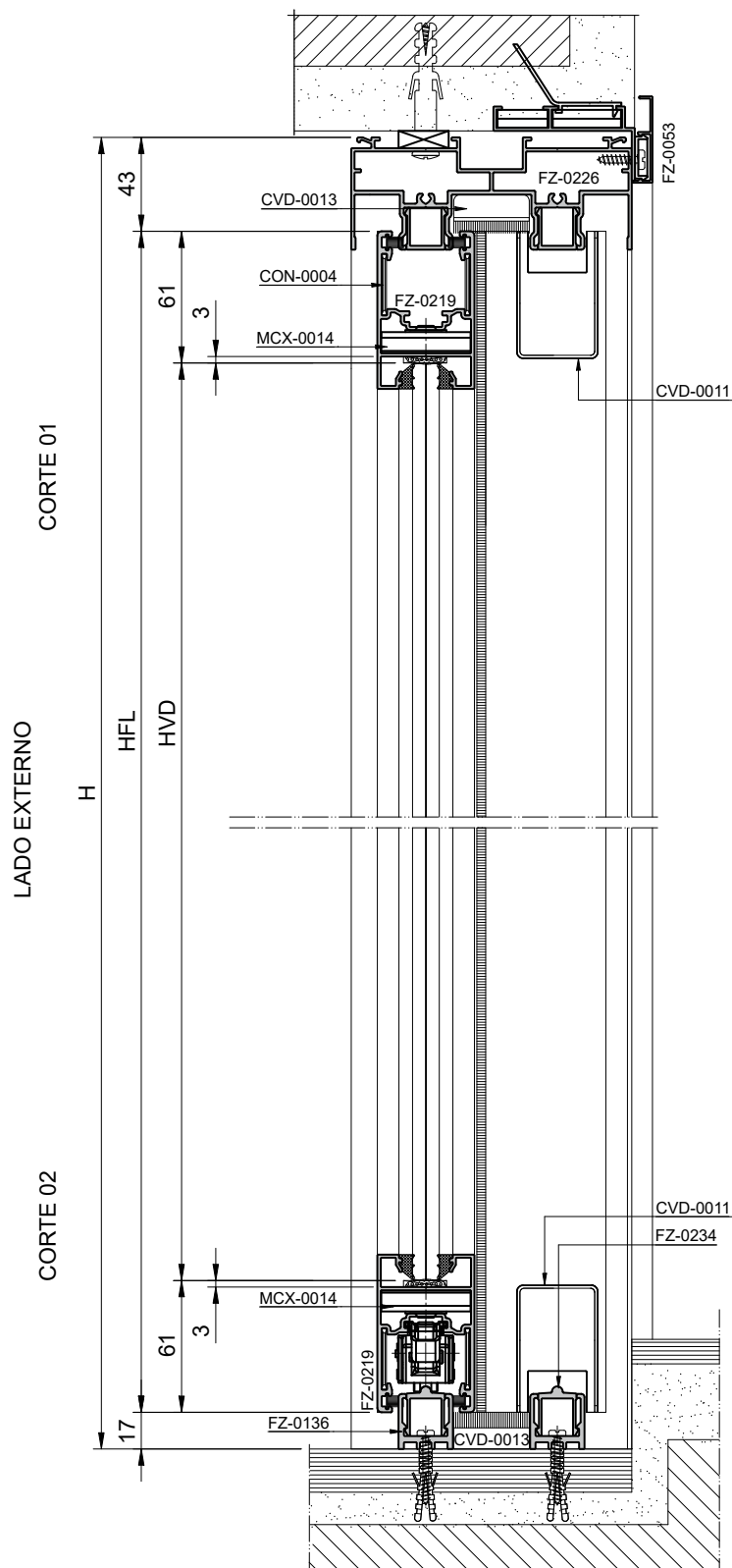
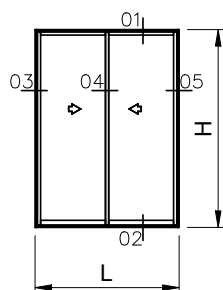
PORTA DE CORRER 2 FOLHAS

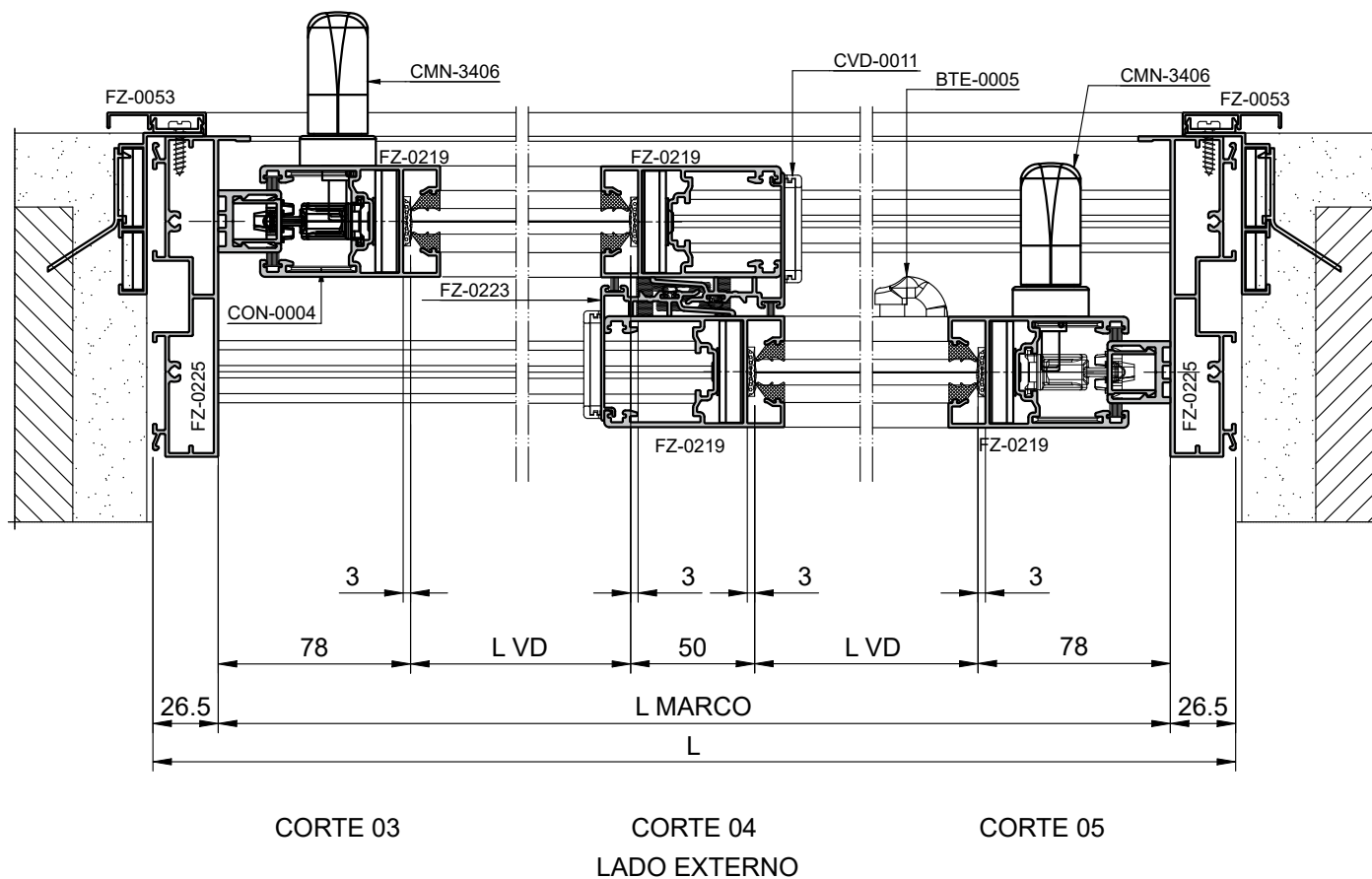


PORTA DE CORRER
2 FOLHAS

PORTA DE CORRER 2 FOLHAS

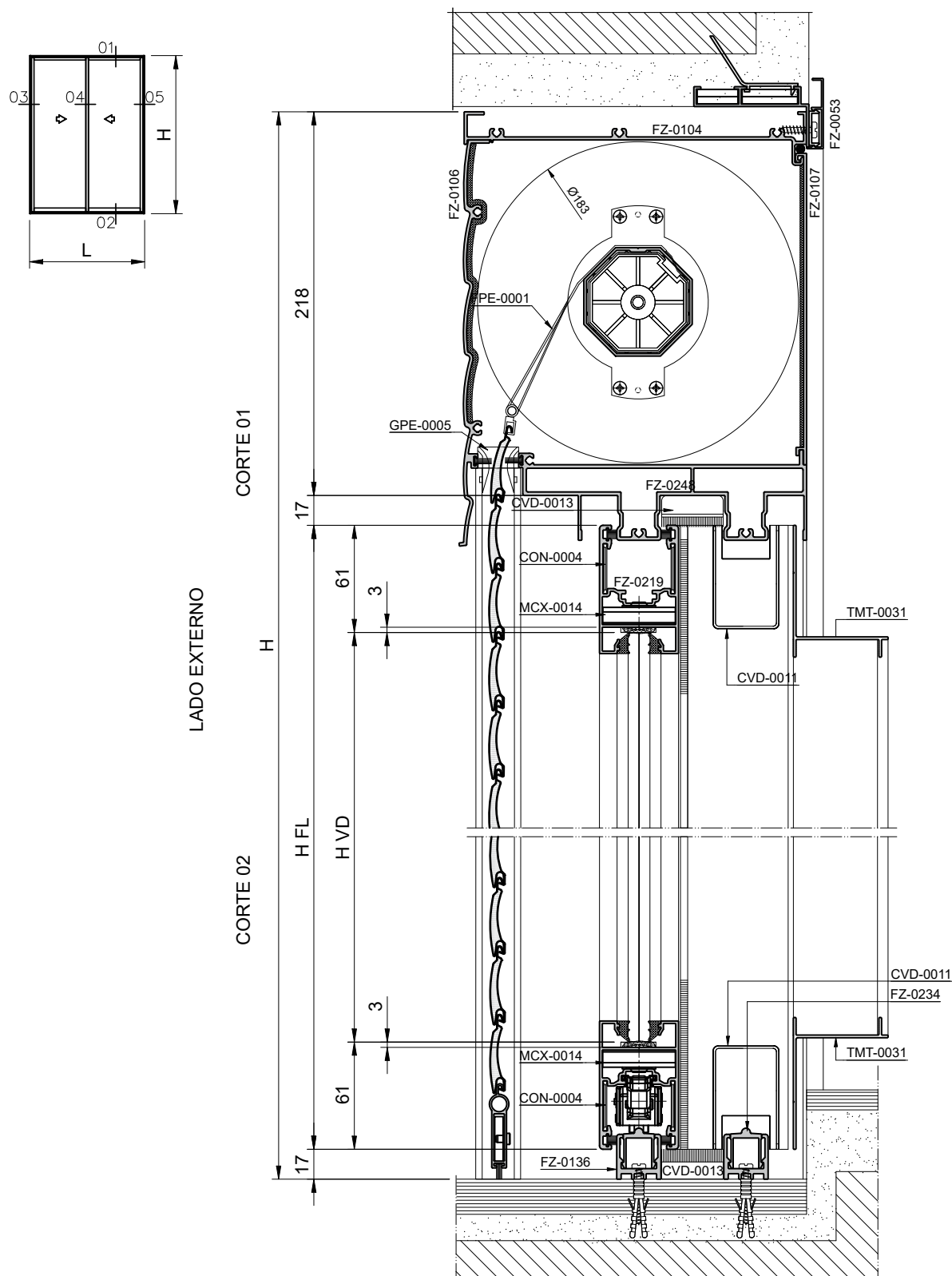
FOLHA COM CORTE 45º

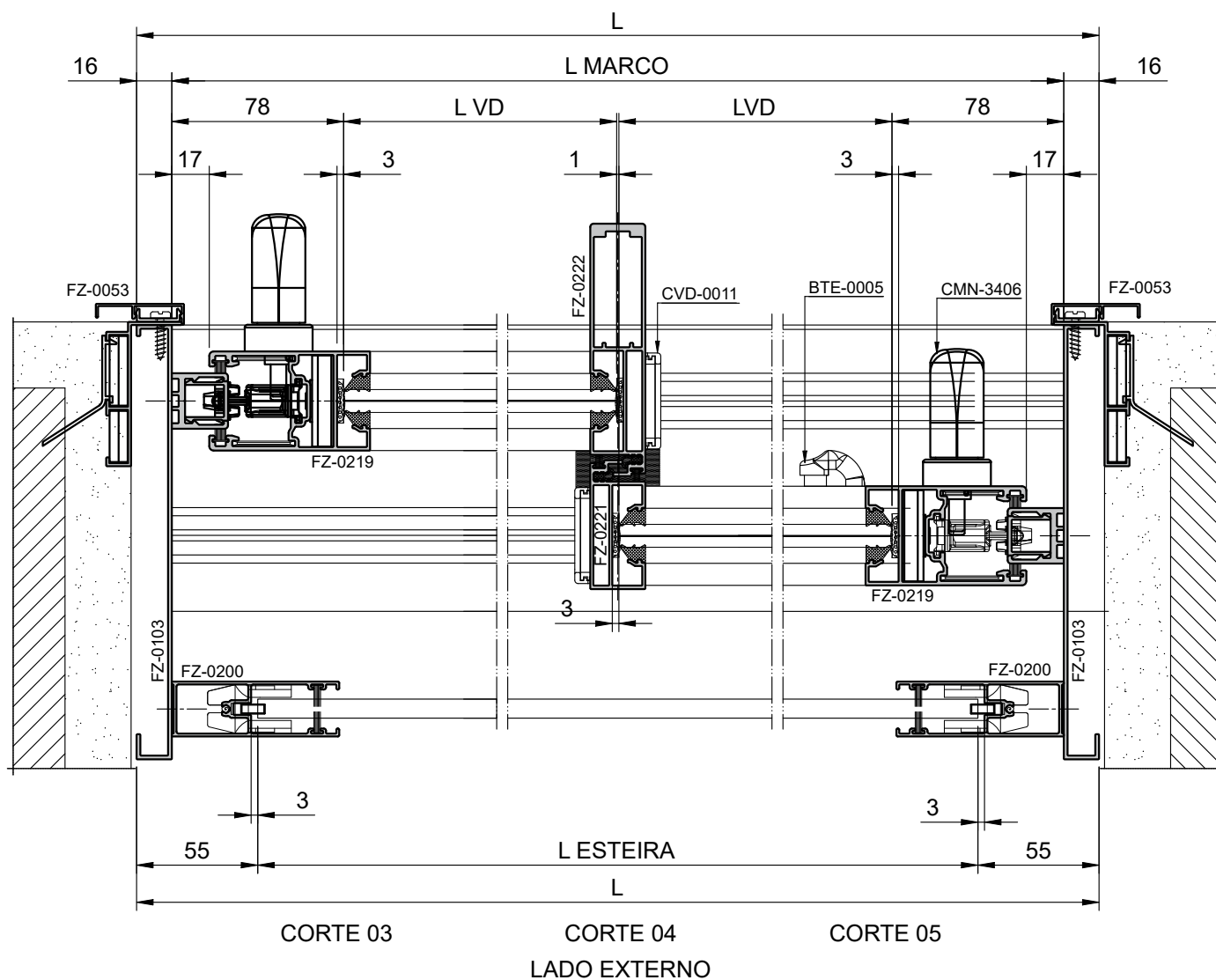


**PORTA DE CORRER
2 FOLHAS****FOLHA COM CORTE 45º**

PORTA DE CORRER 2 FOLHAS

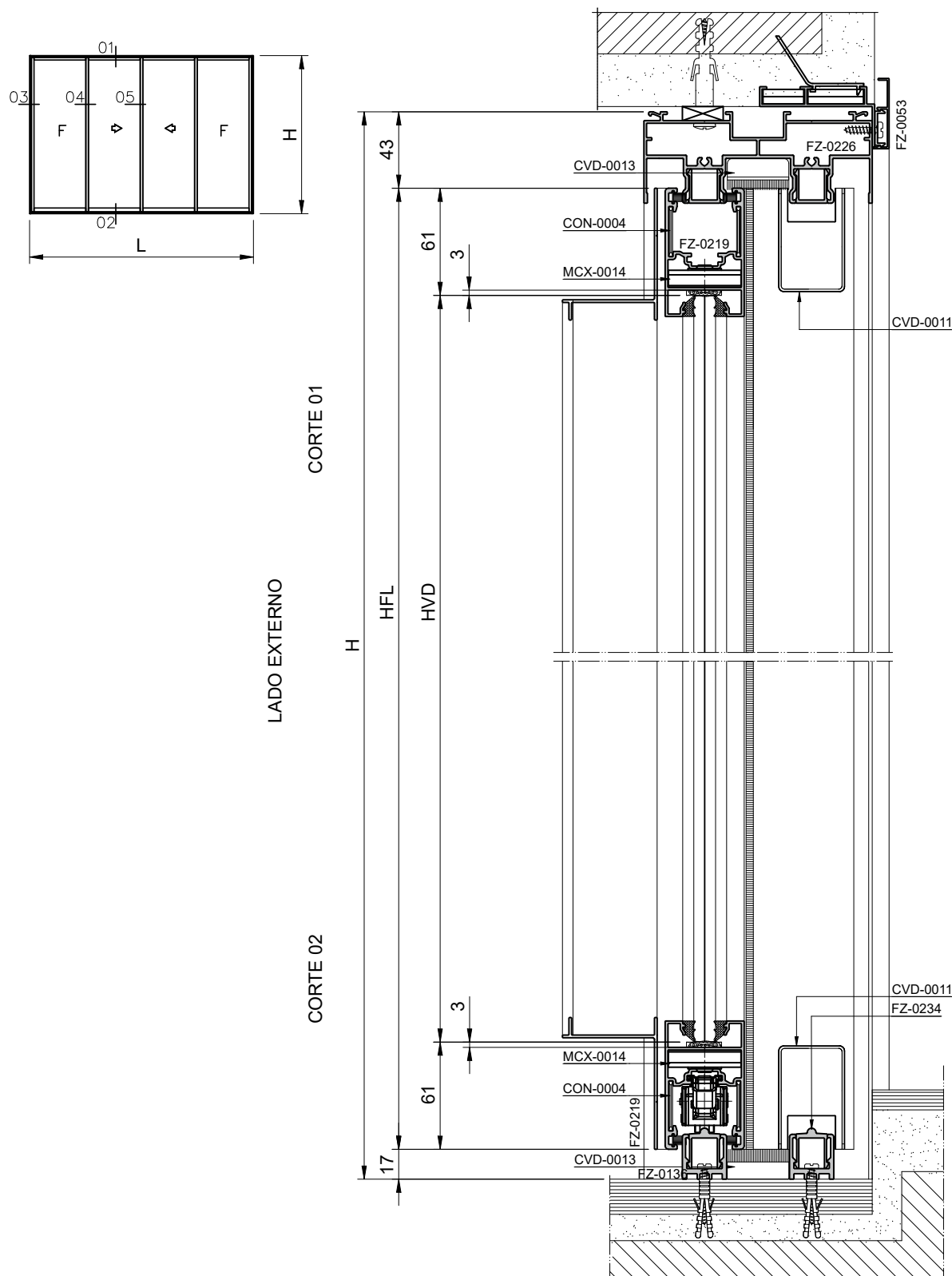
COM PERSIANA INTEGRADA



PORTA DE CORRER
2 FOLHAS**COM PERSIANA INTEGRADA**

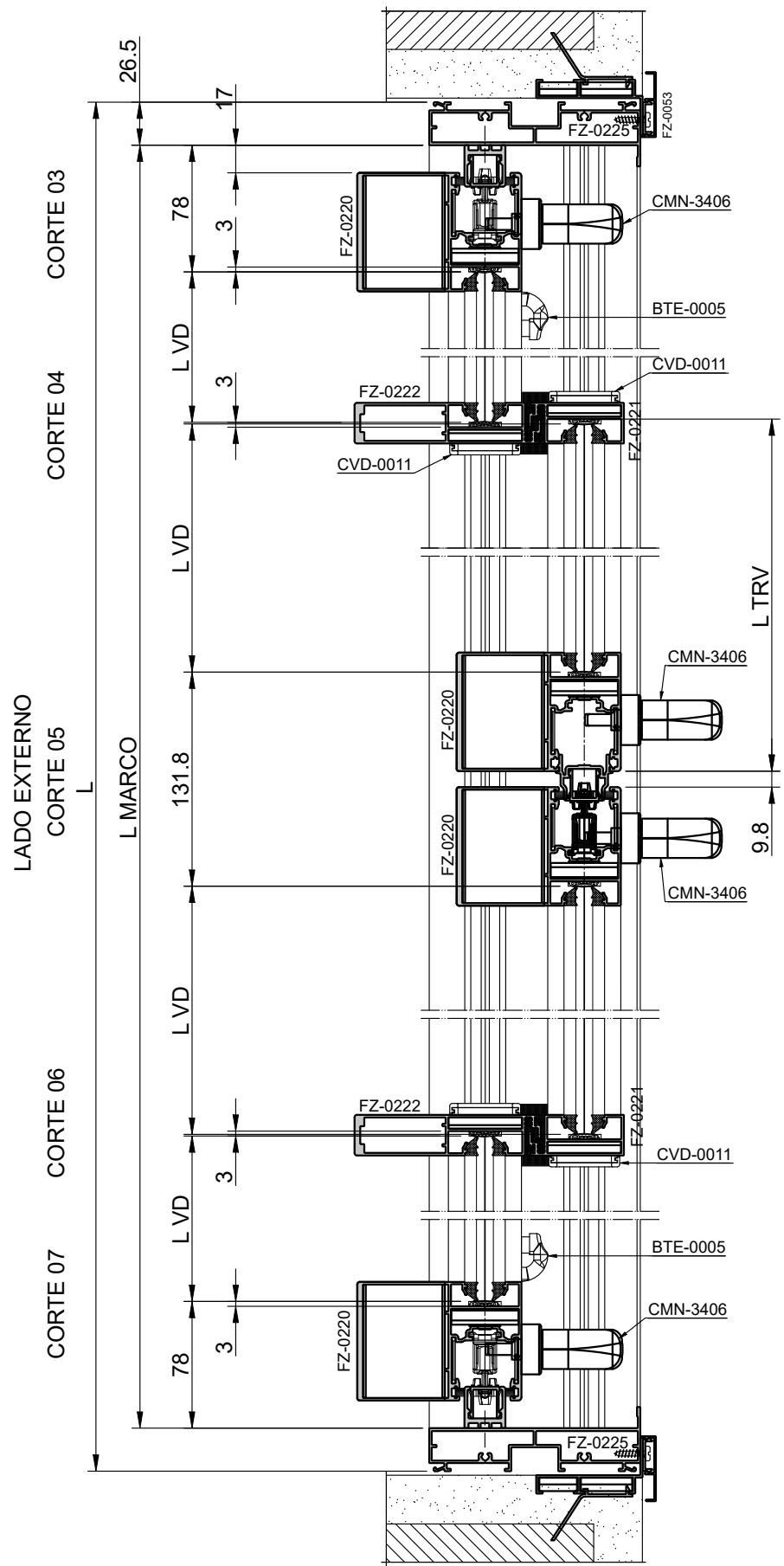
PORTA DE CORRER 4 FOLHAS

COM FECHAMENTO CENTRAL



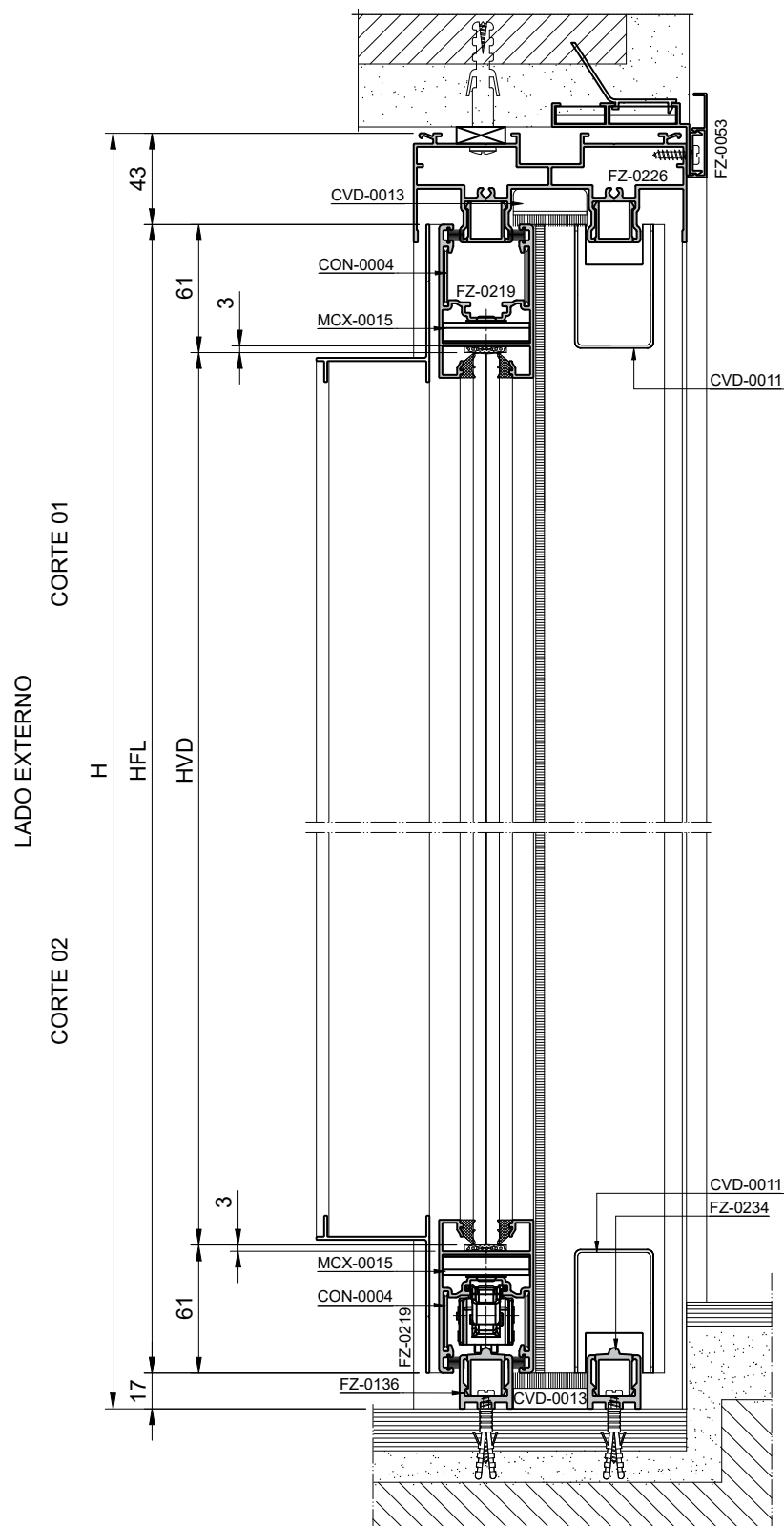
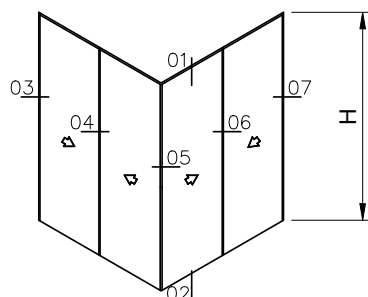
PORTA DE CORRER
4 FOLHAS

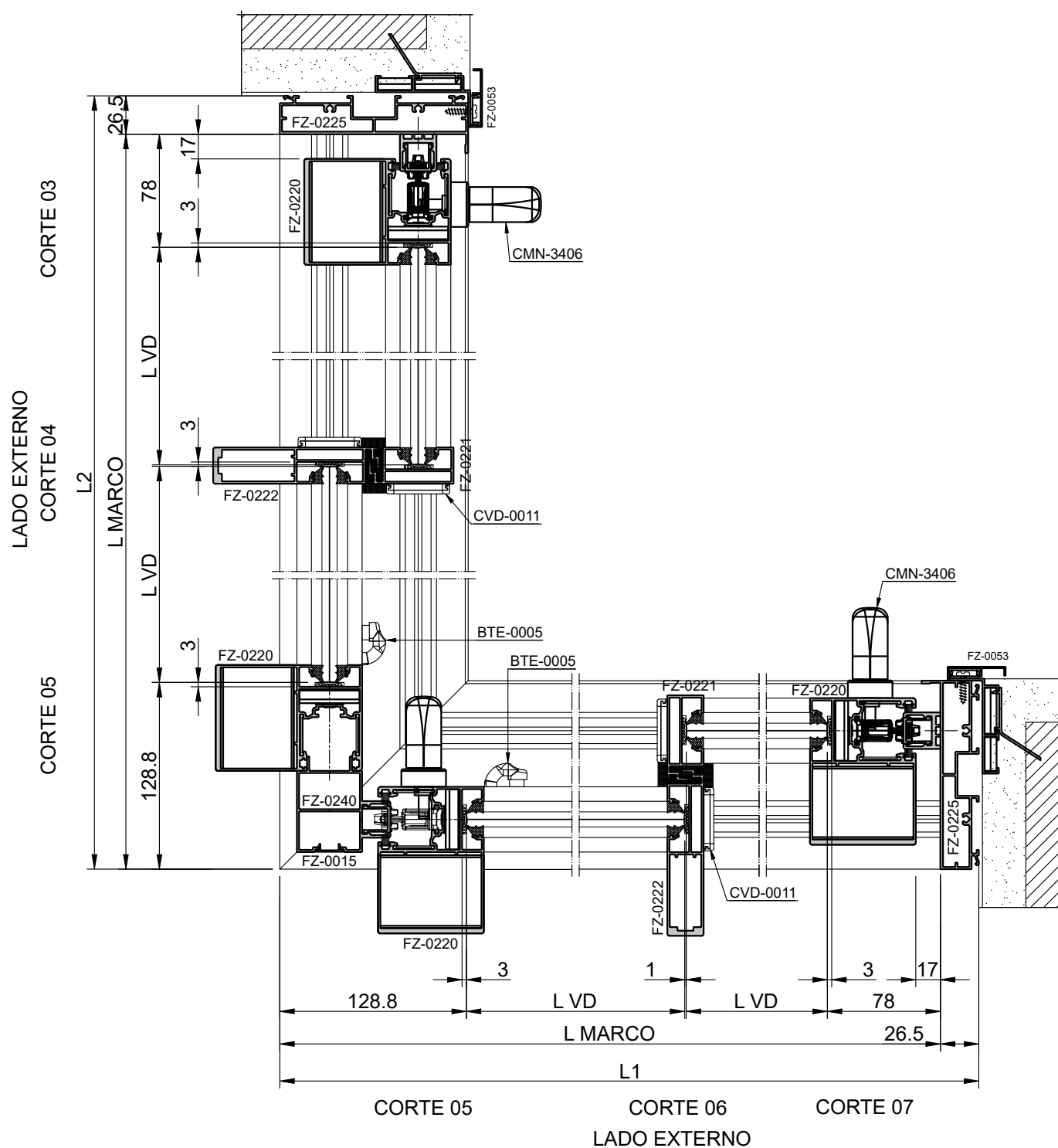
COM FECHAMENTO CENTRAL



PORTA DE CORRER 4 FOLHAS

CANTO 90º



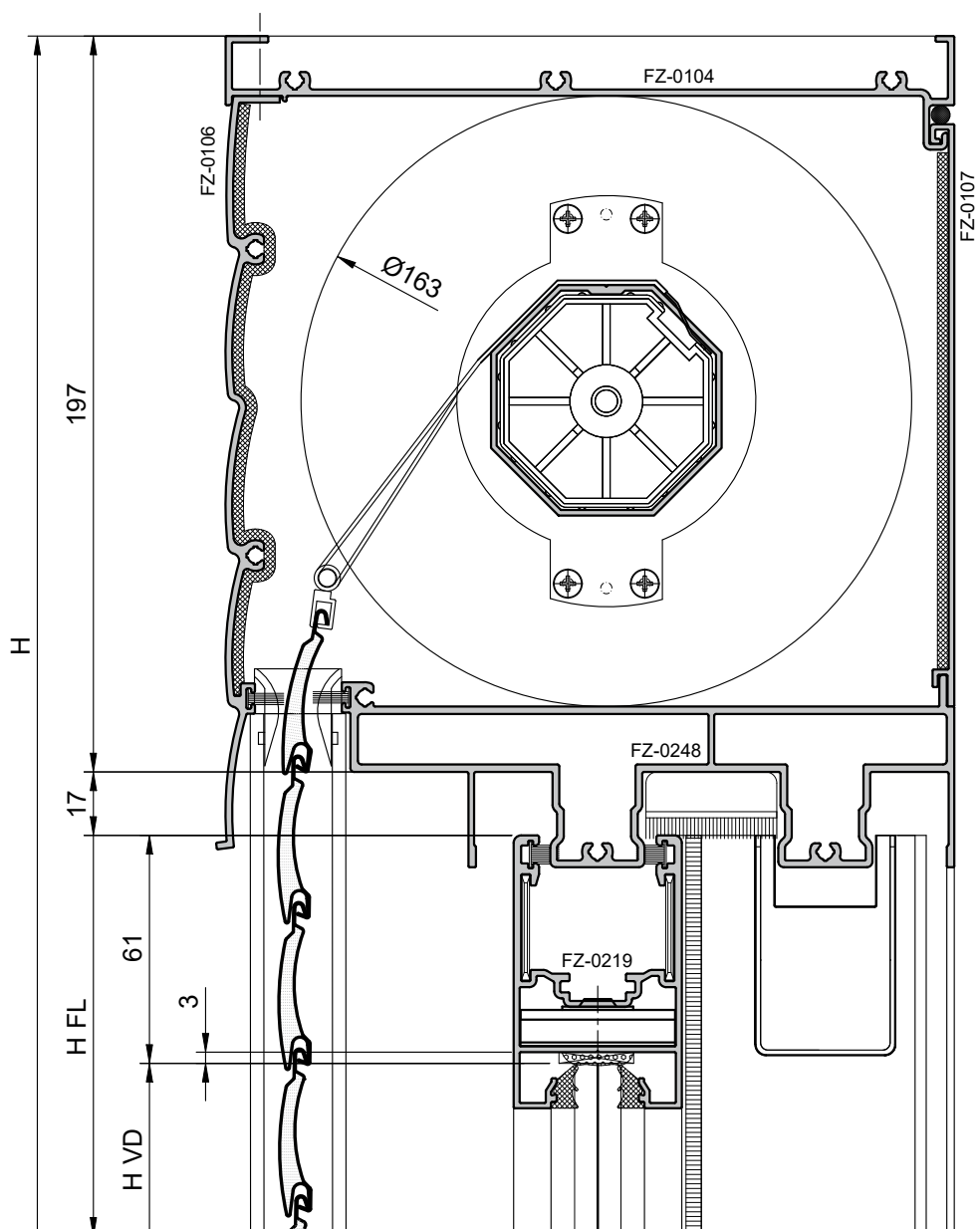
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4 FOLHAS**CANTO 90º**

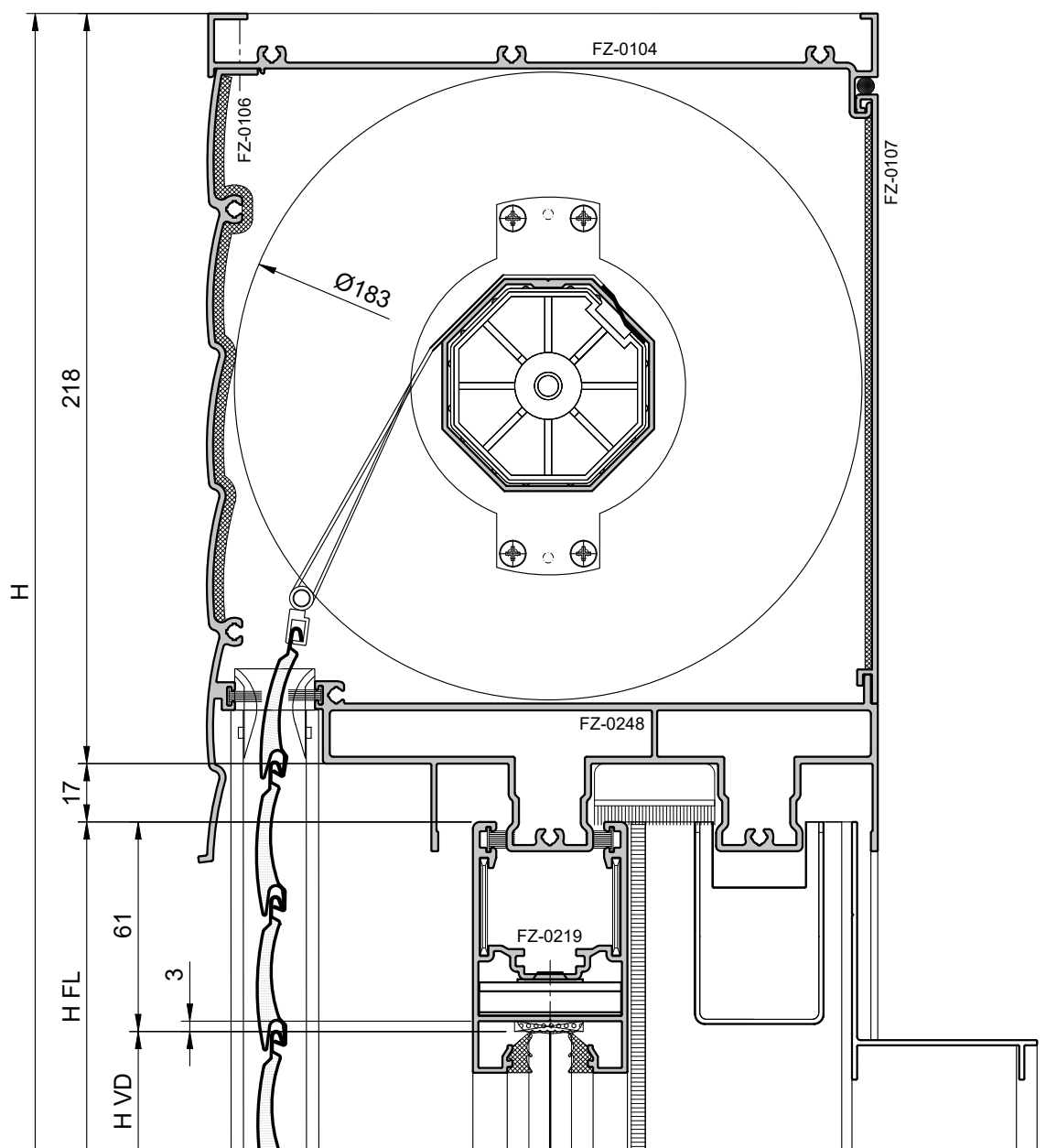
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Detalhes Construtivos

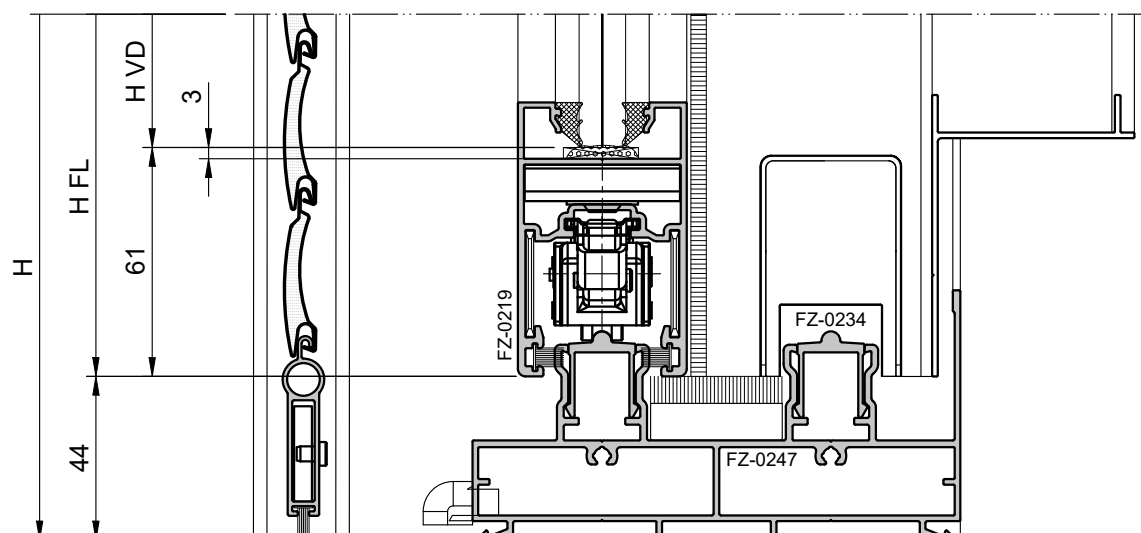
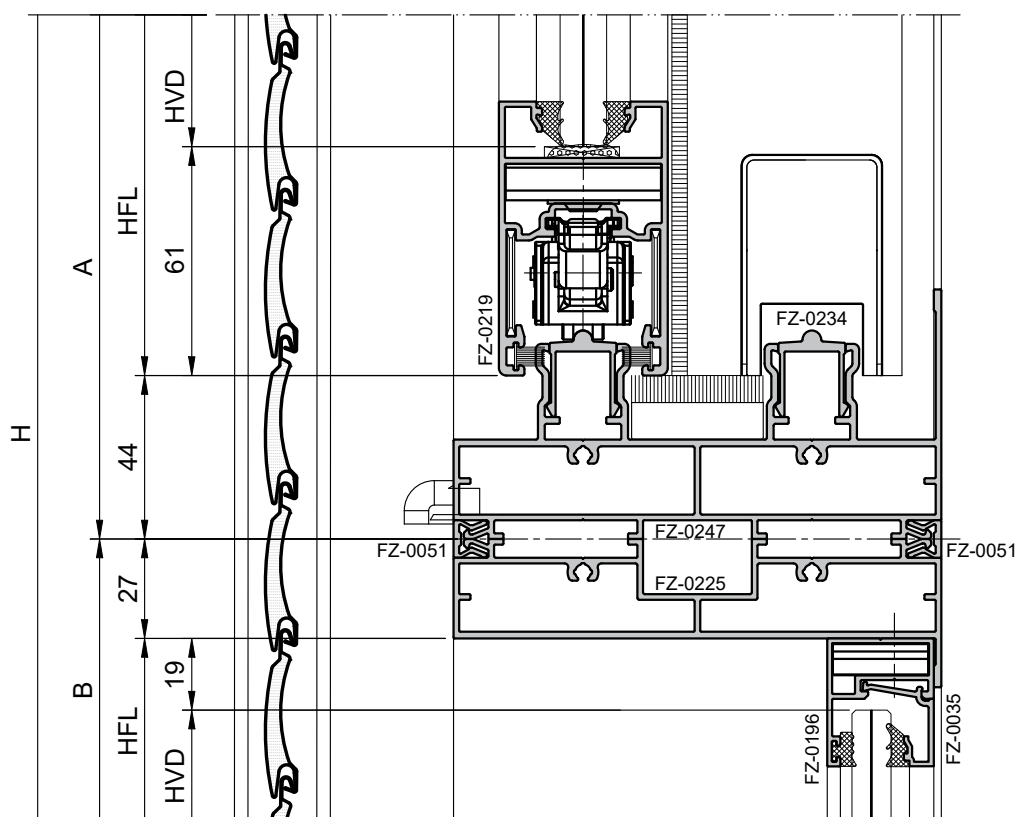
MONTAGENS

CAIXA DE PERSIANA INTEGRADA COM RECOLHEDOR AUTOMÁTICO E EIXO DE 60MM

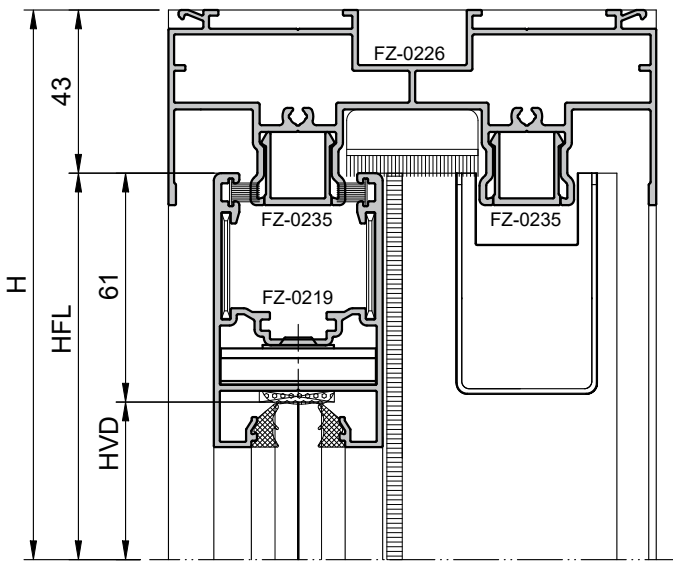
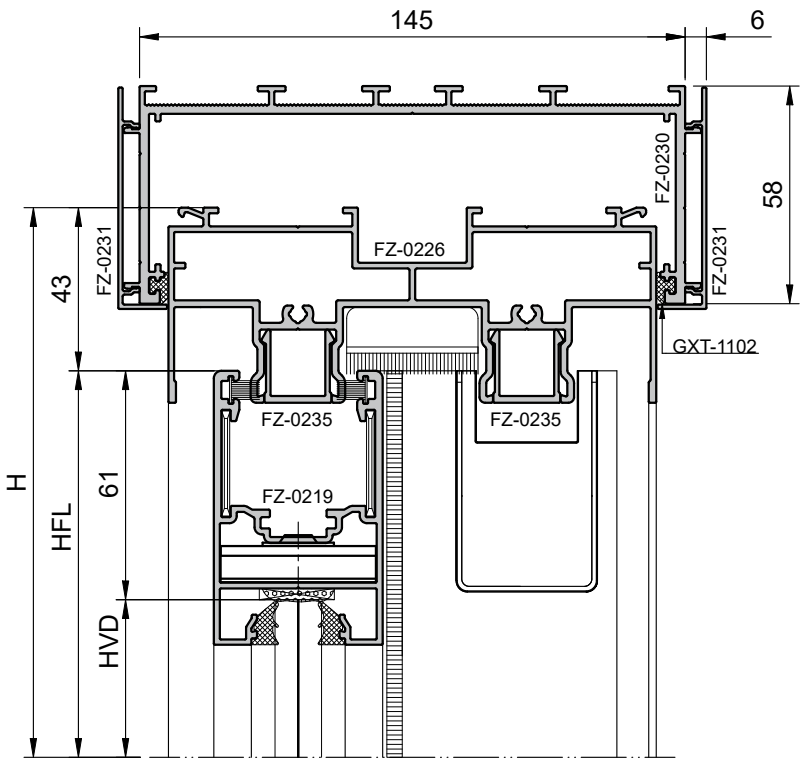


**CAIXA DE PERSIANA INTEGRADA COM
RECOLHEDOR AUTOMÁTICO E EIXO DE 60MM**

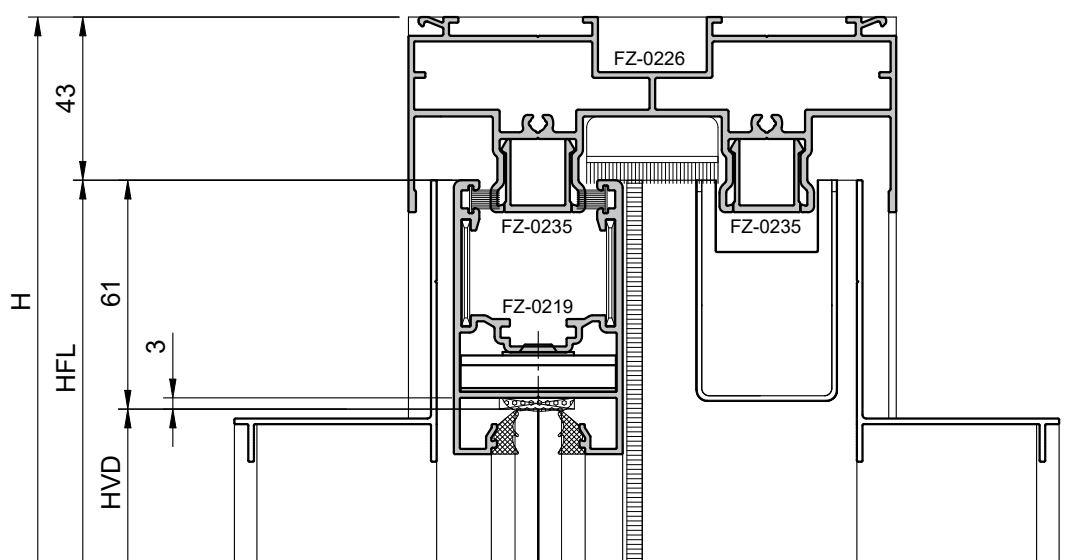
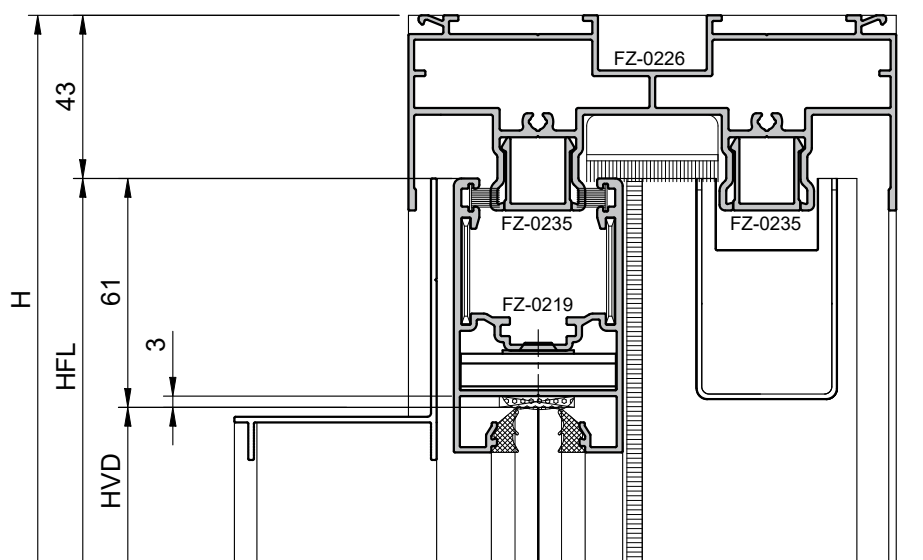
OPÇÃO DE PEITORIL E TRILHO INFERIOR PARA CAIXA DE PERSIANA INTEGRADA



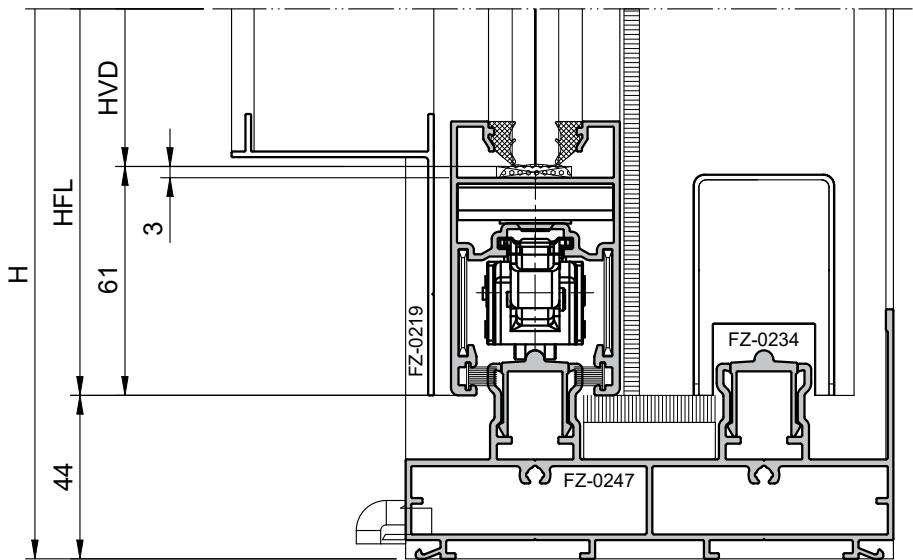
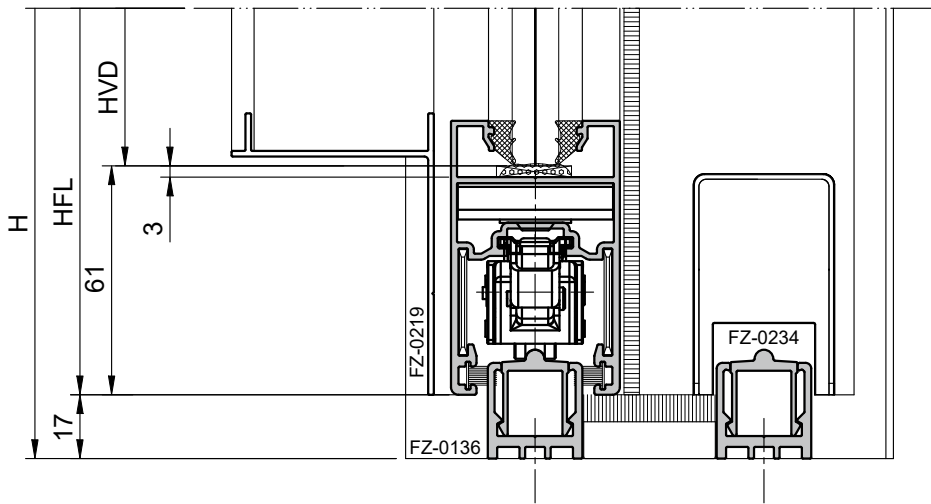
**OPÇÕES DE TRILHO SUPERIOR
2 PLANOS**



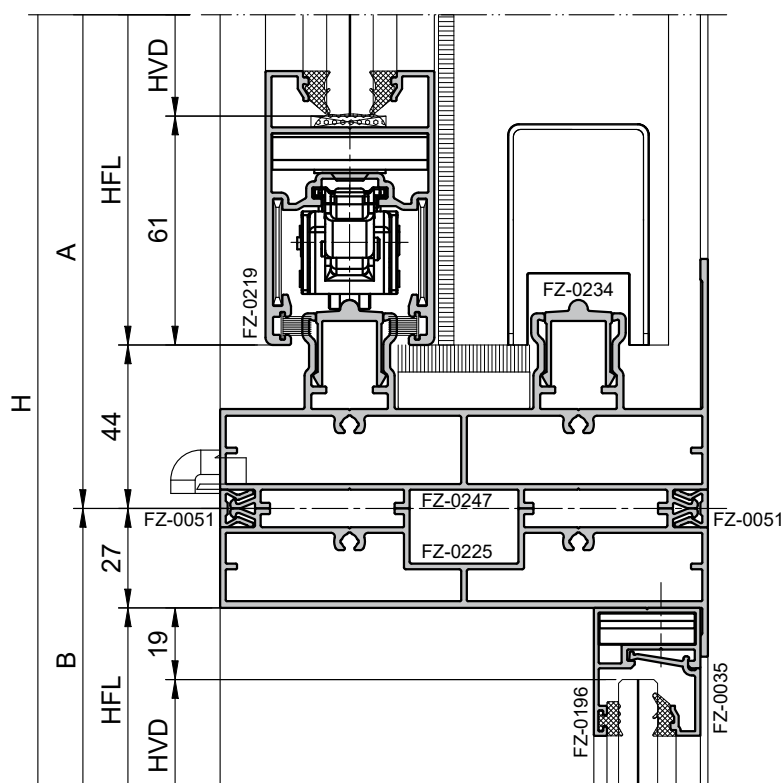
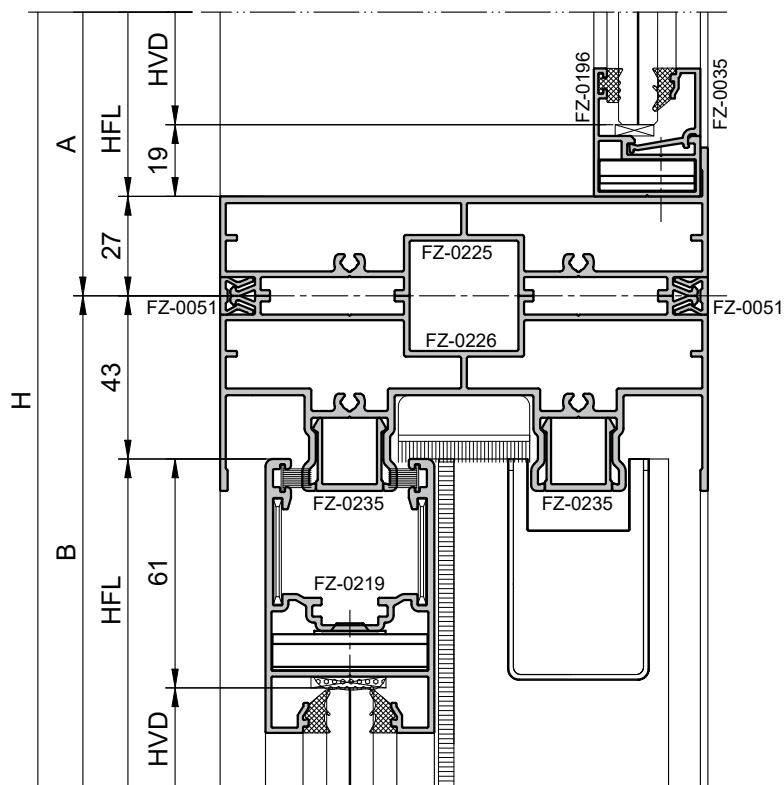
VARIAÇÕES DE TRILHO SUPERIOR 2 PLANOS



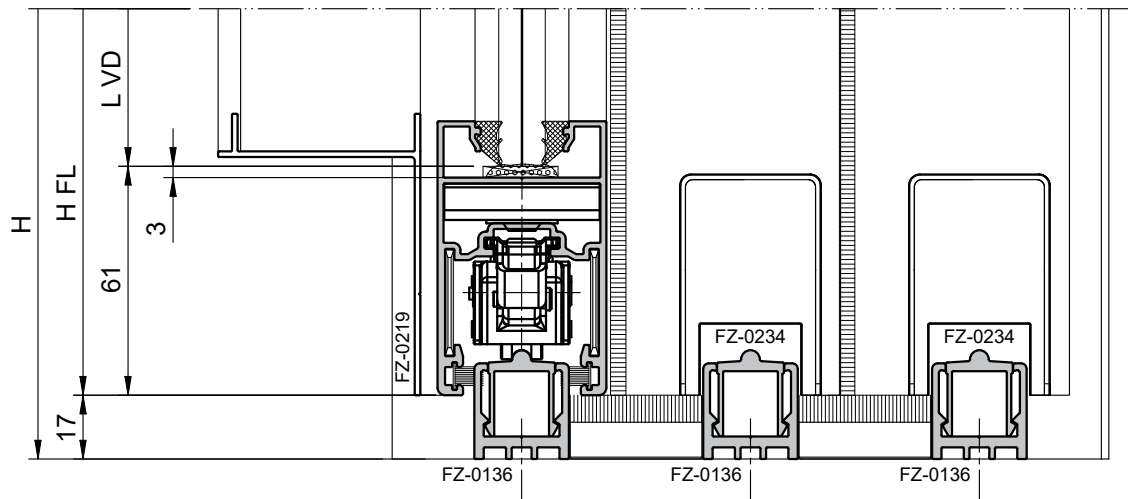
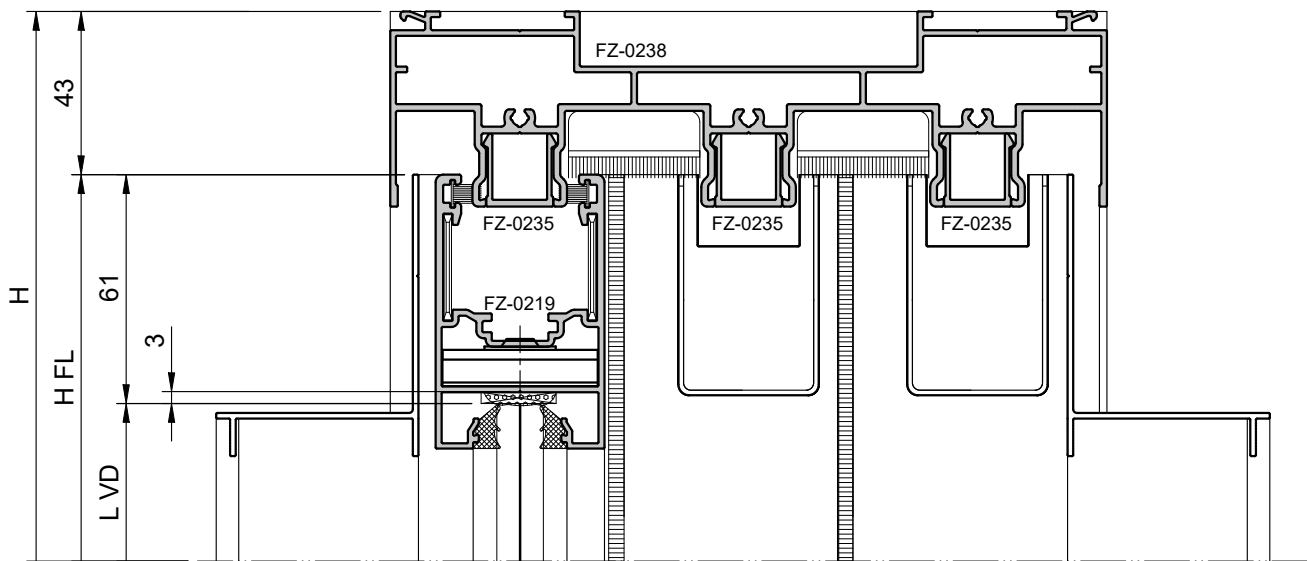
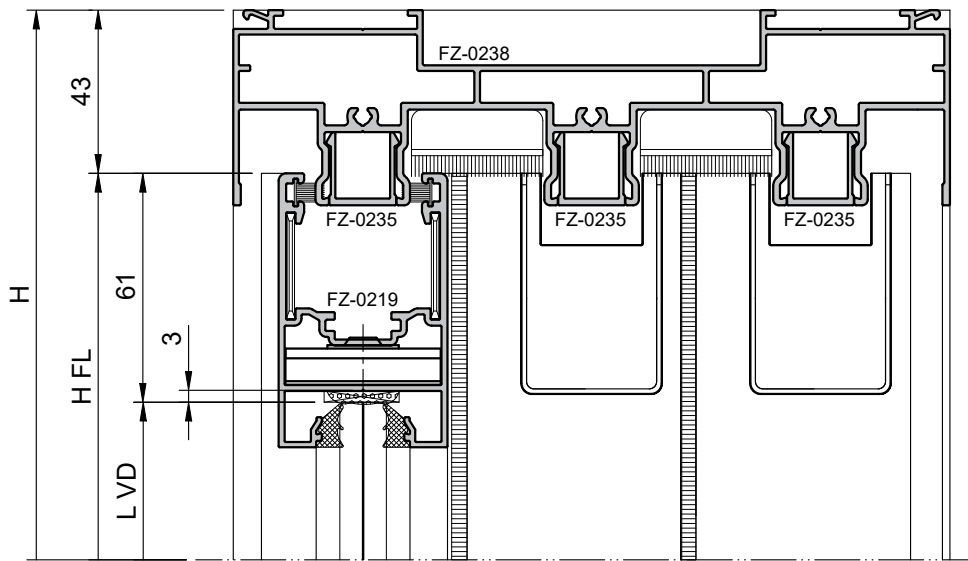
**OPÇÕES DE TRILHO INFERIOR
2 PLANOS**



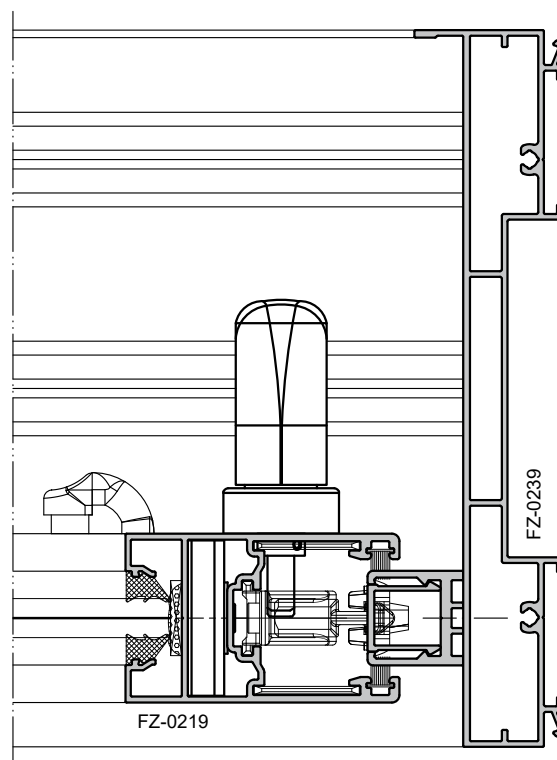
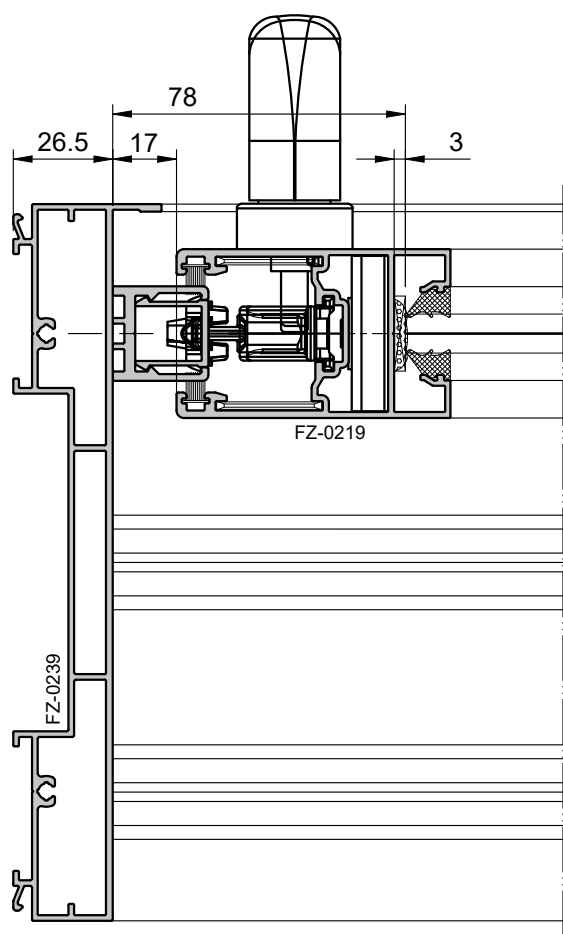
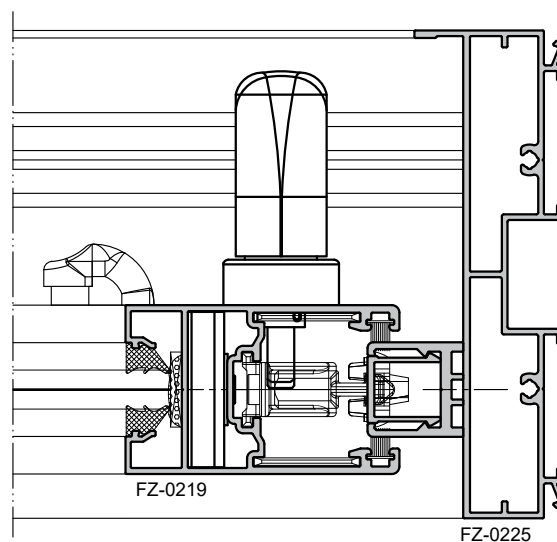
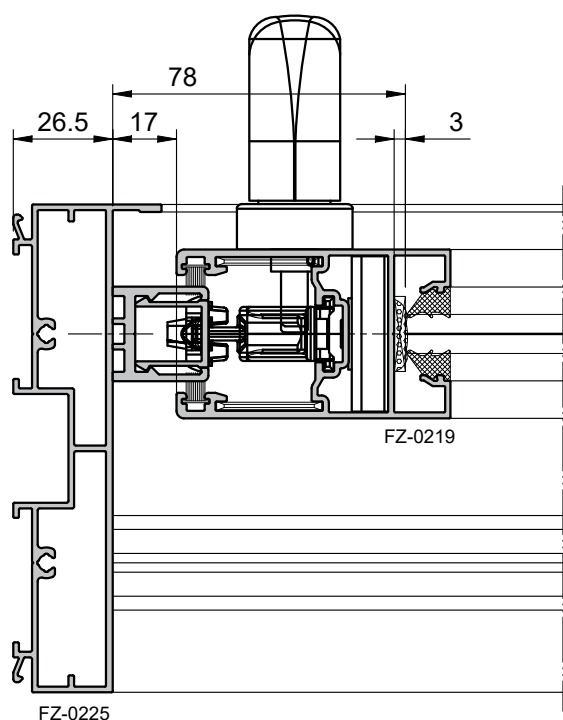
OPÇÕES DE TRILHO COM PEITORIL/BANDEIRA 2 PLANOS

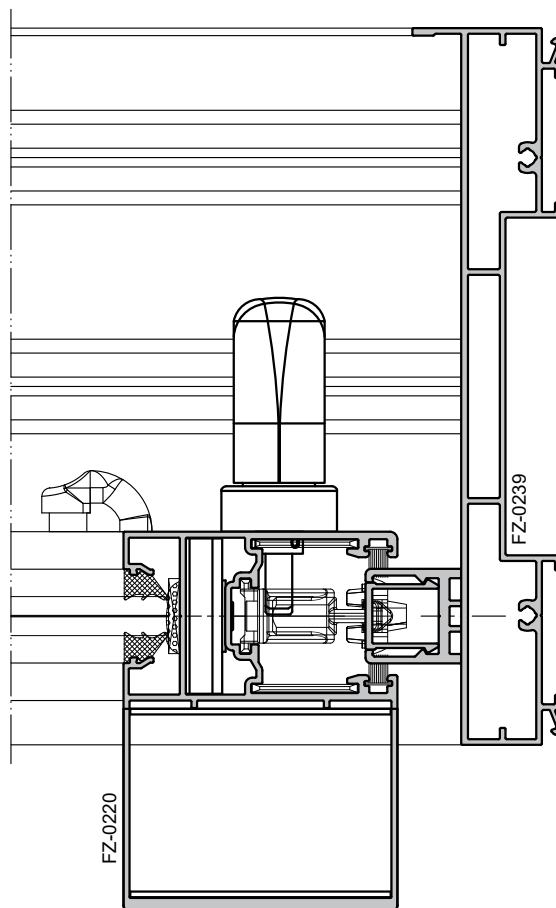
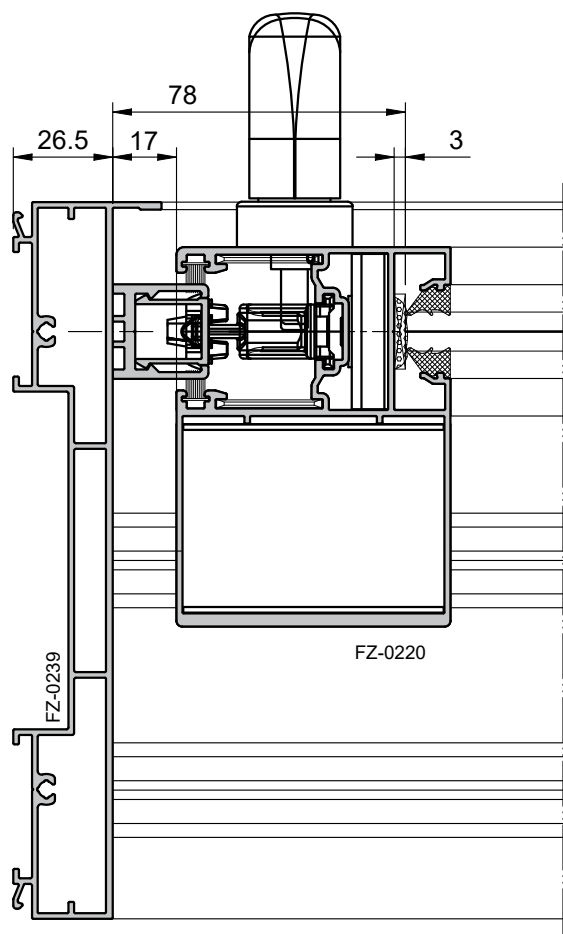
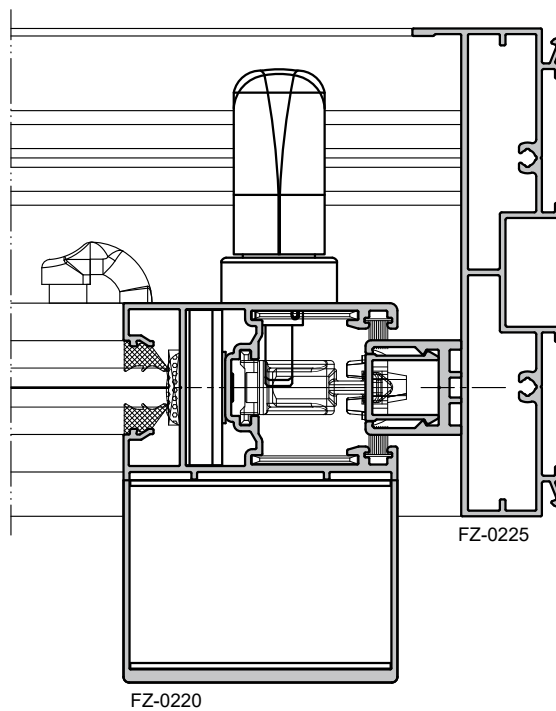
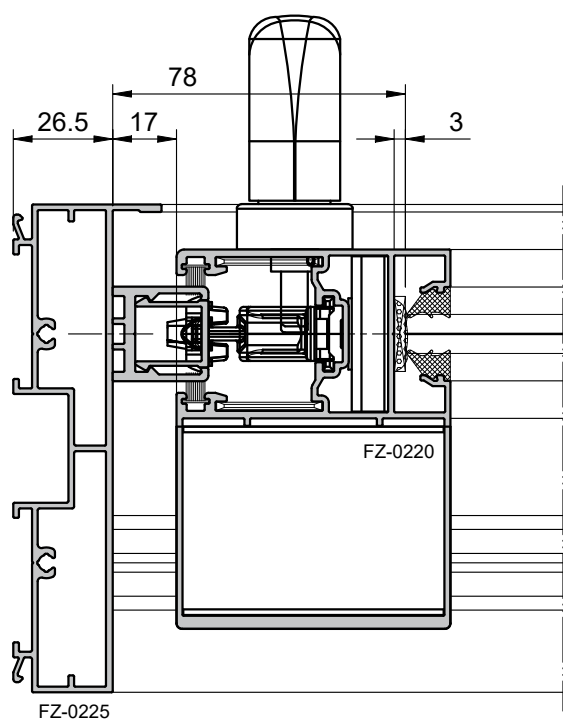


VARIAÇÕES DE TRILHO SUPERIOR
3 PLANOS

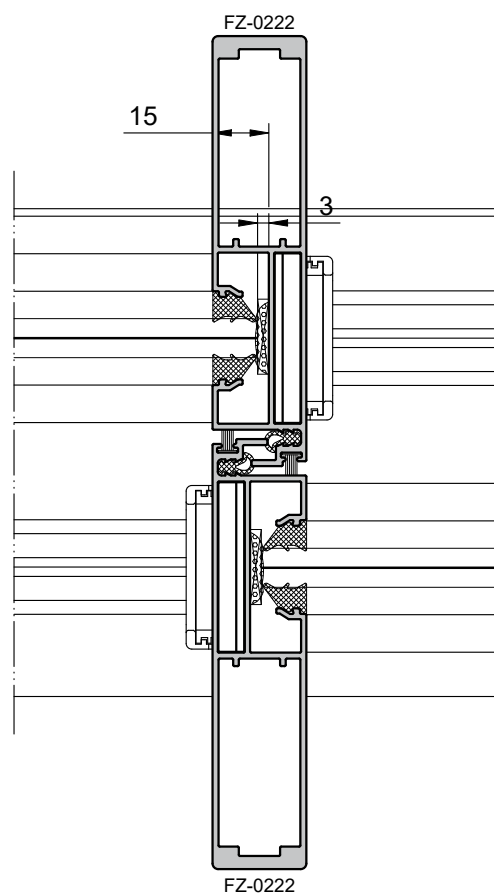
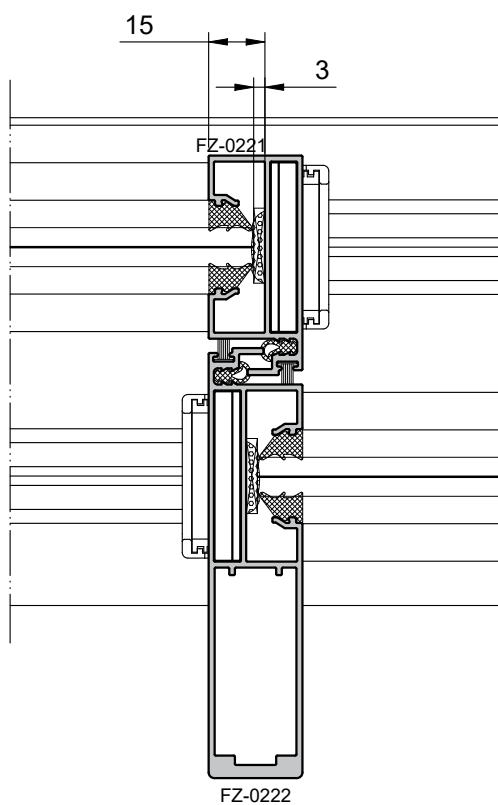
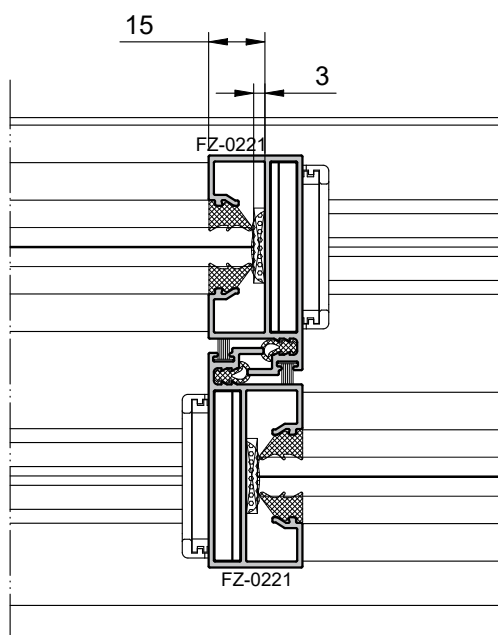


FECHAMENTO LATERAL - OPÇÕES DE MONTANTE SEM REFORÇO DE 2 E 3 PLANOS

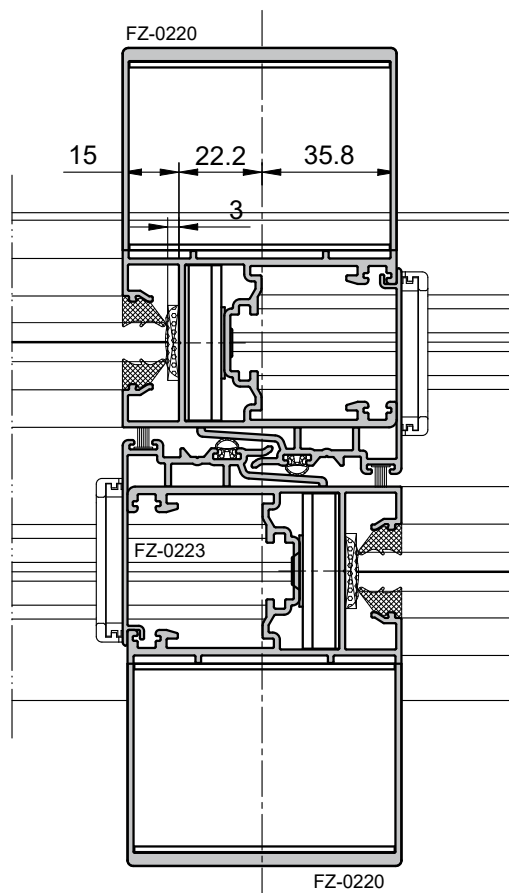
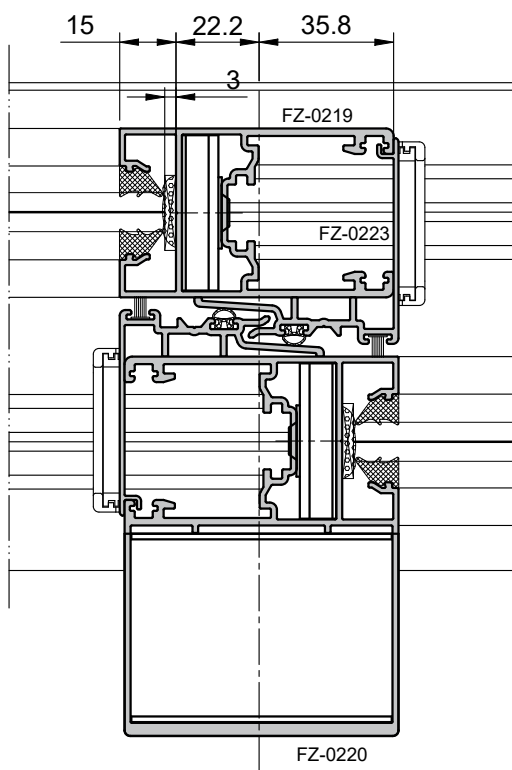
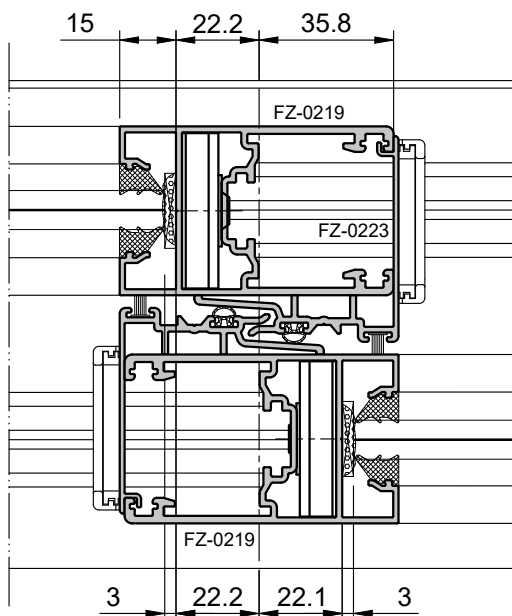


**FECHAMENTO LATERAL - OPÇÕES DE MONTANTE
COM REFORÇO DE 2 E 3 PLANOS**

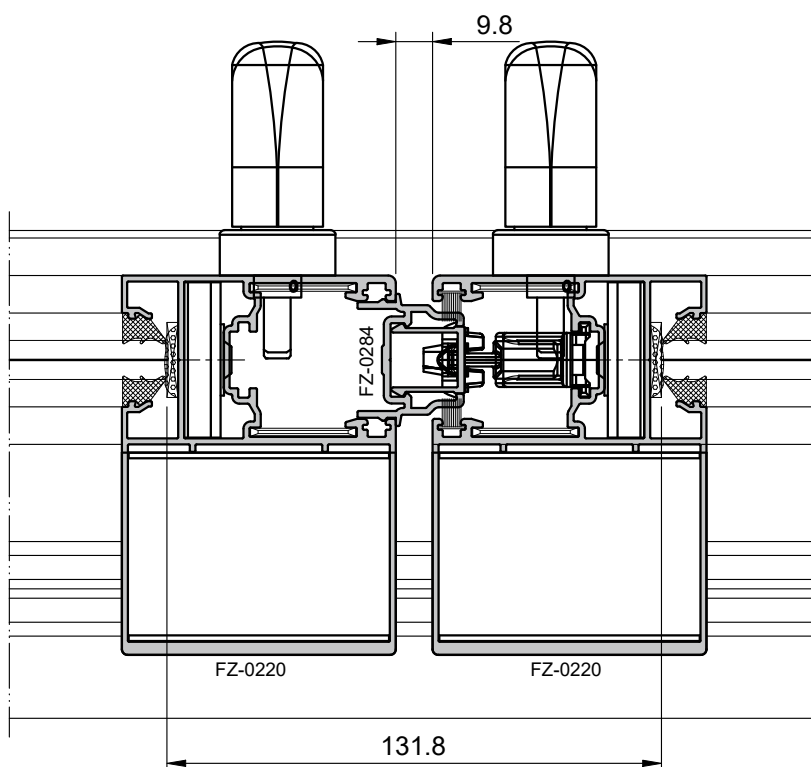
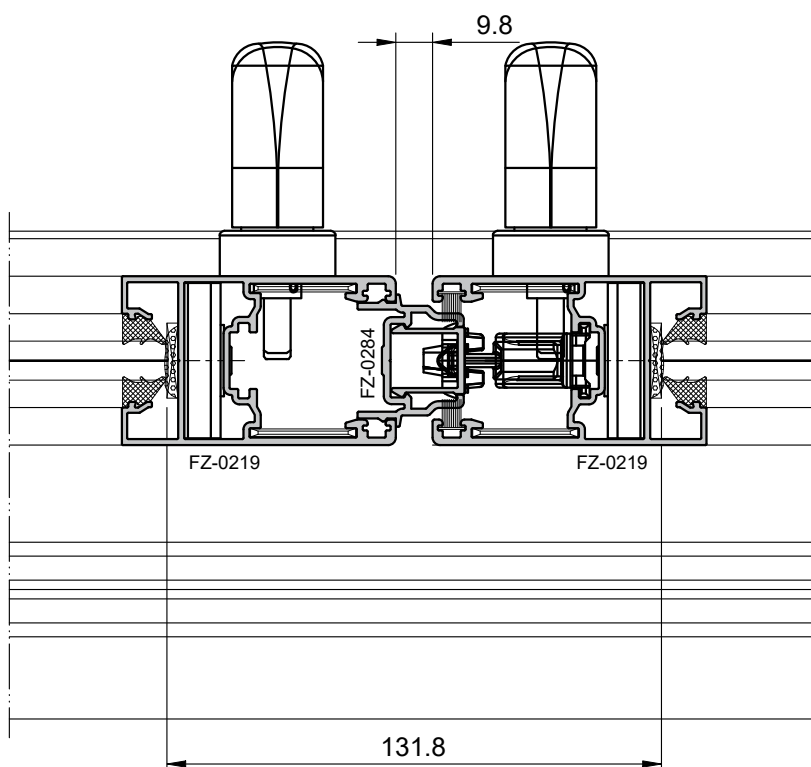
MÃO DE AMIGO - OPÇÕES DE MONTANTE CORTE 90° PARA 2 PLANOS

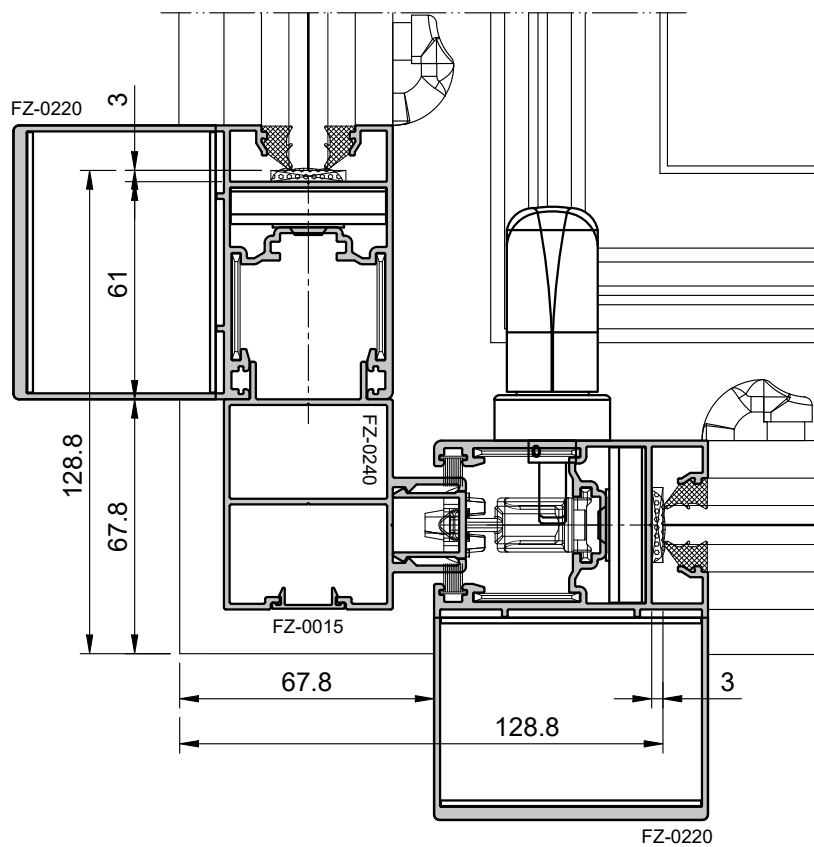
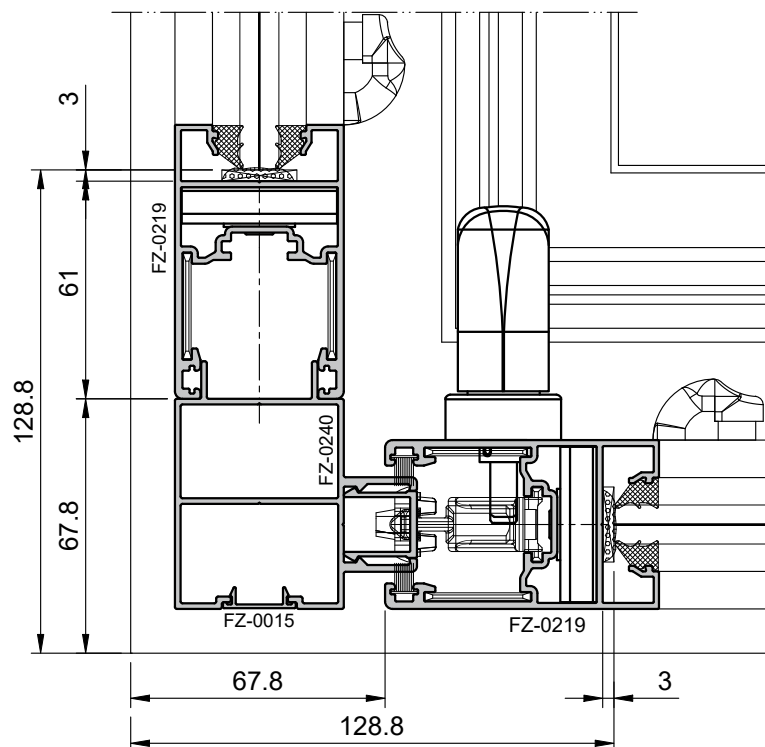


**MÃO DE AMIGO - OPÇÕES DE MONTANTE
COM CORTE 45° PARA 2 PLANOS**

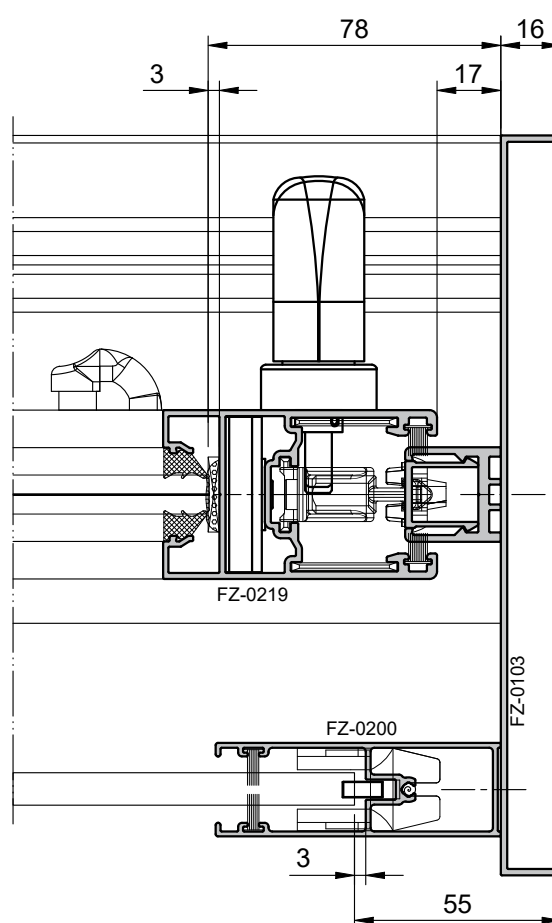
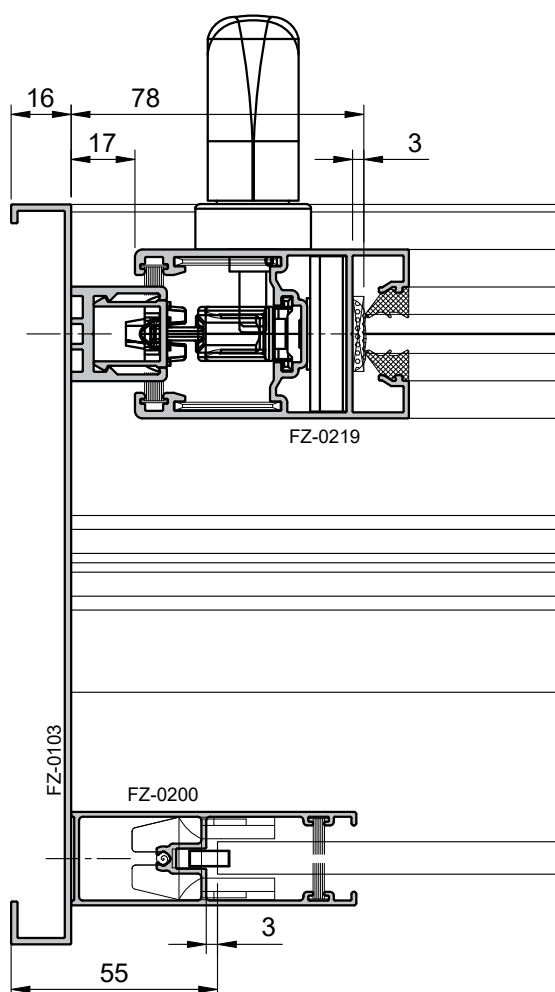


FECHAMENTO DE CENTRAL - OPÇÕES DE MONTANTE PARA 2 PLANOS

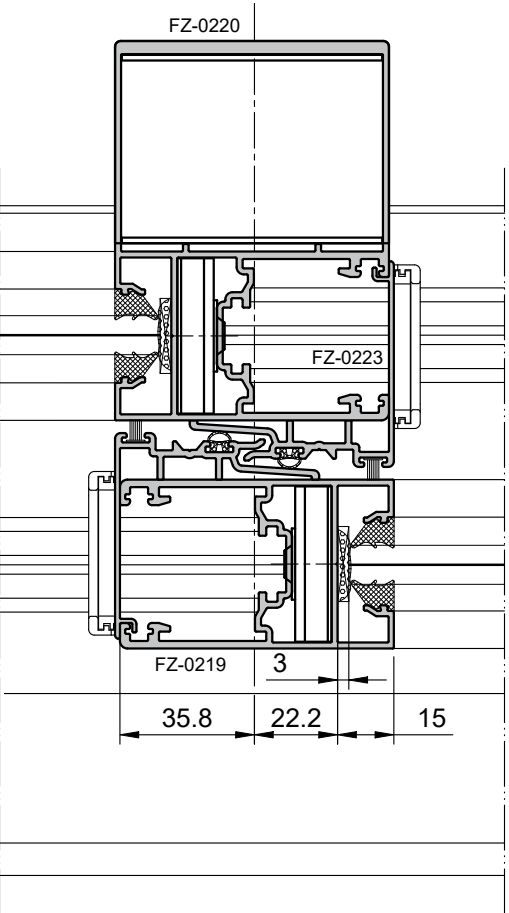
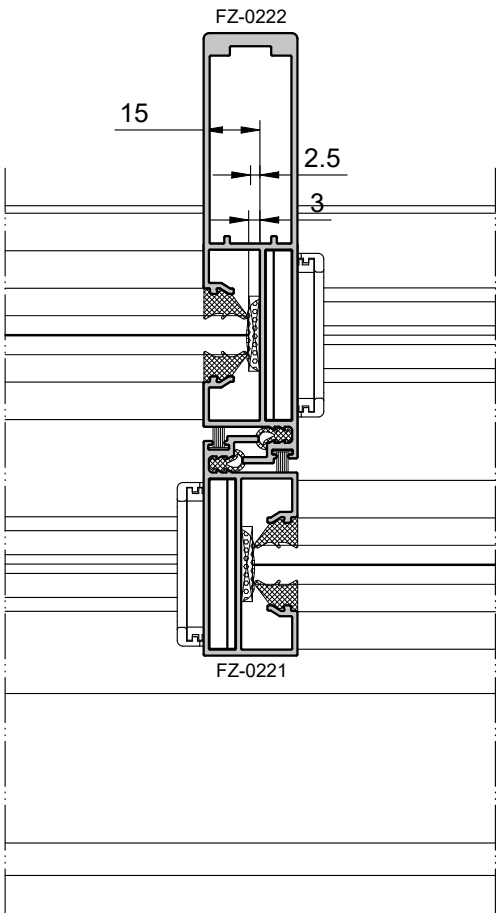
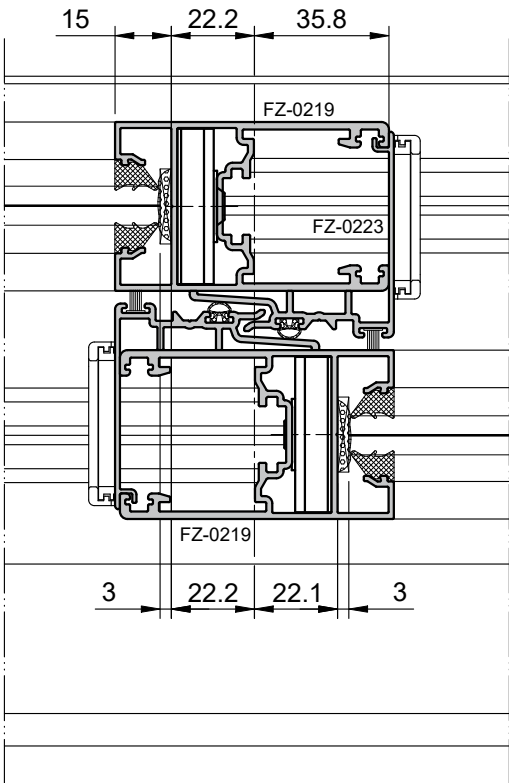
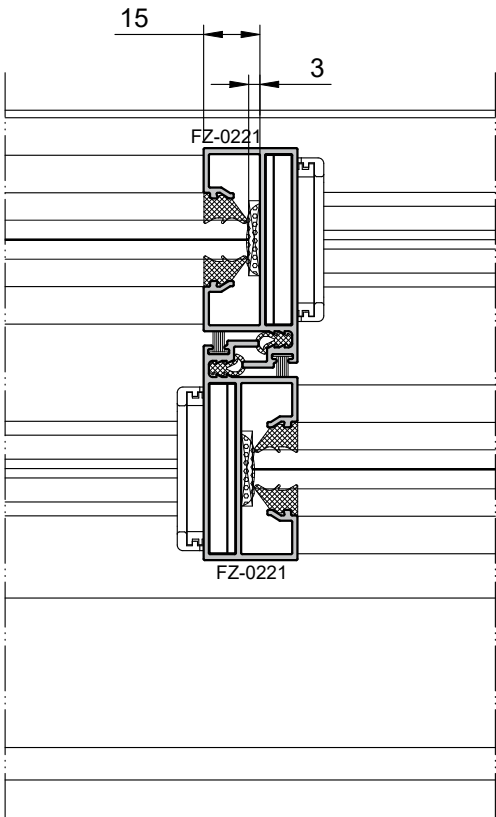


**FECHAMENTO DE CANTO 90º - OPÇÕES
DE MONTANTE PARA 2 PLANOS**

FECHAMENTO DE CENTRAL - MONTANTE PARA CAIXA DE PERSIANA INTEGRADA



**MÃO DE AMIGO - OPÇÕES DE MONTANTE
PARA CAIXA DE PERSIANA INTEGRADA**

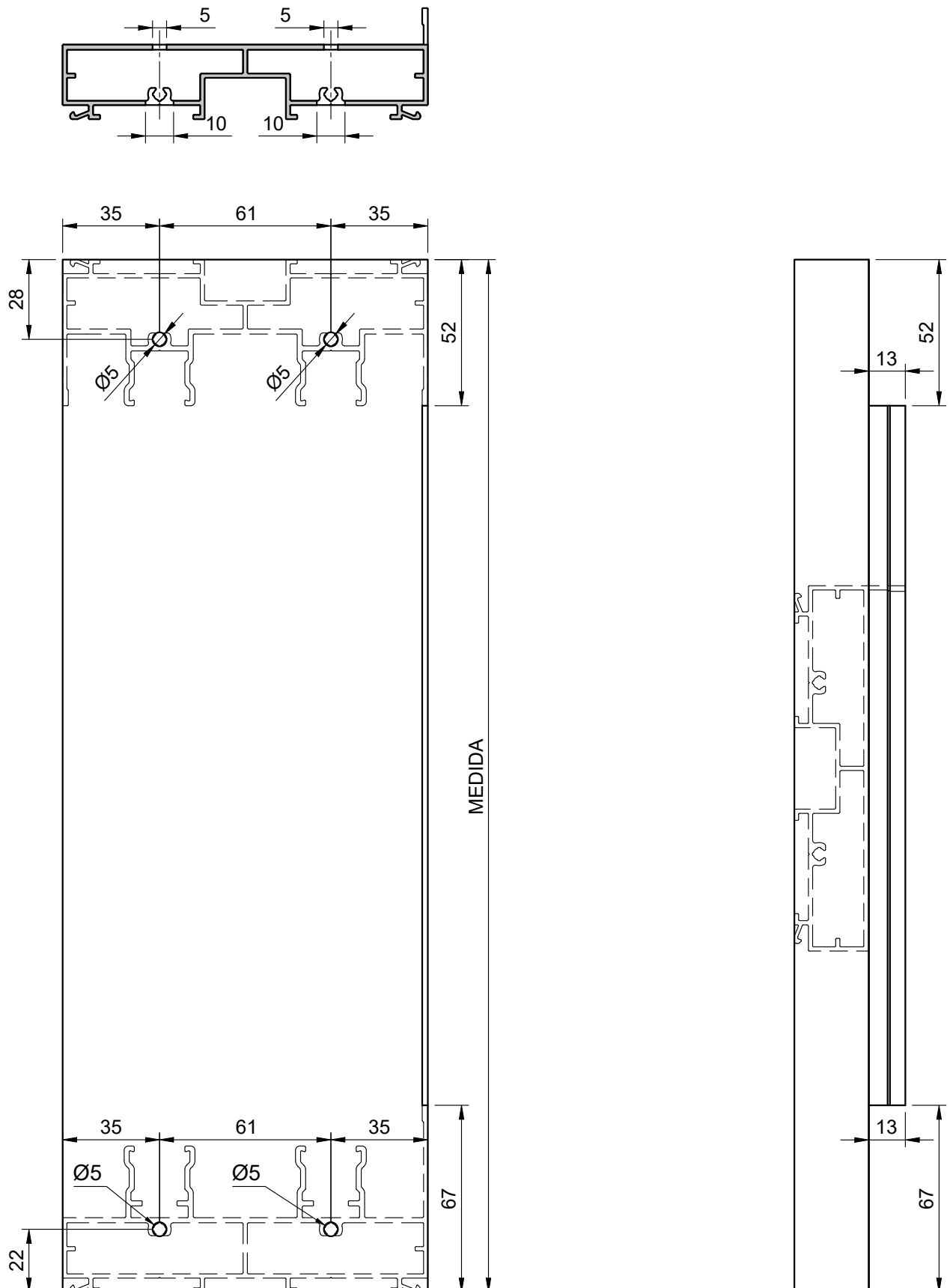


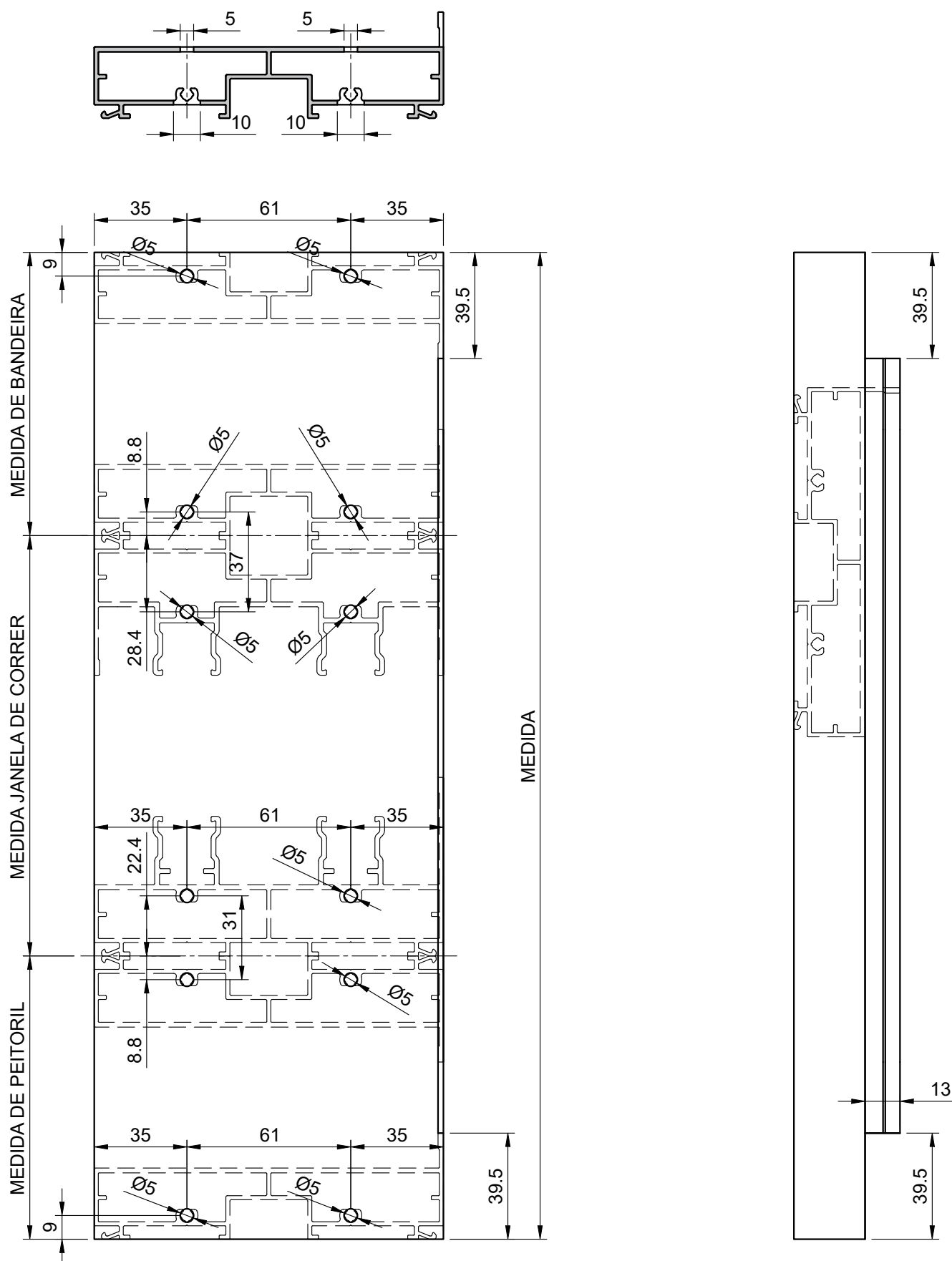
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Usinagens

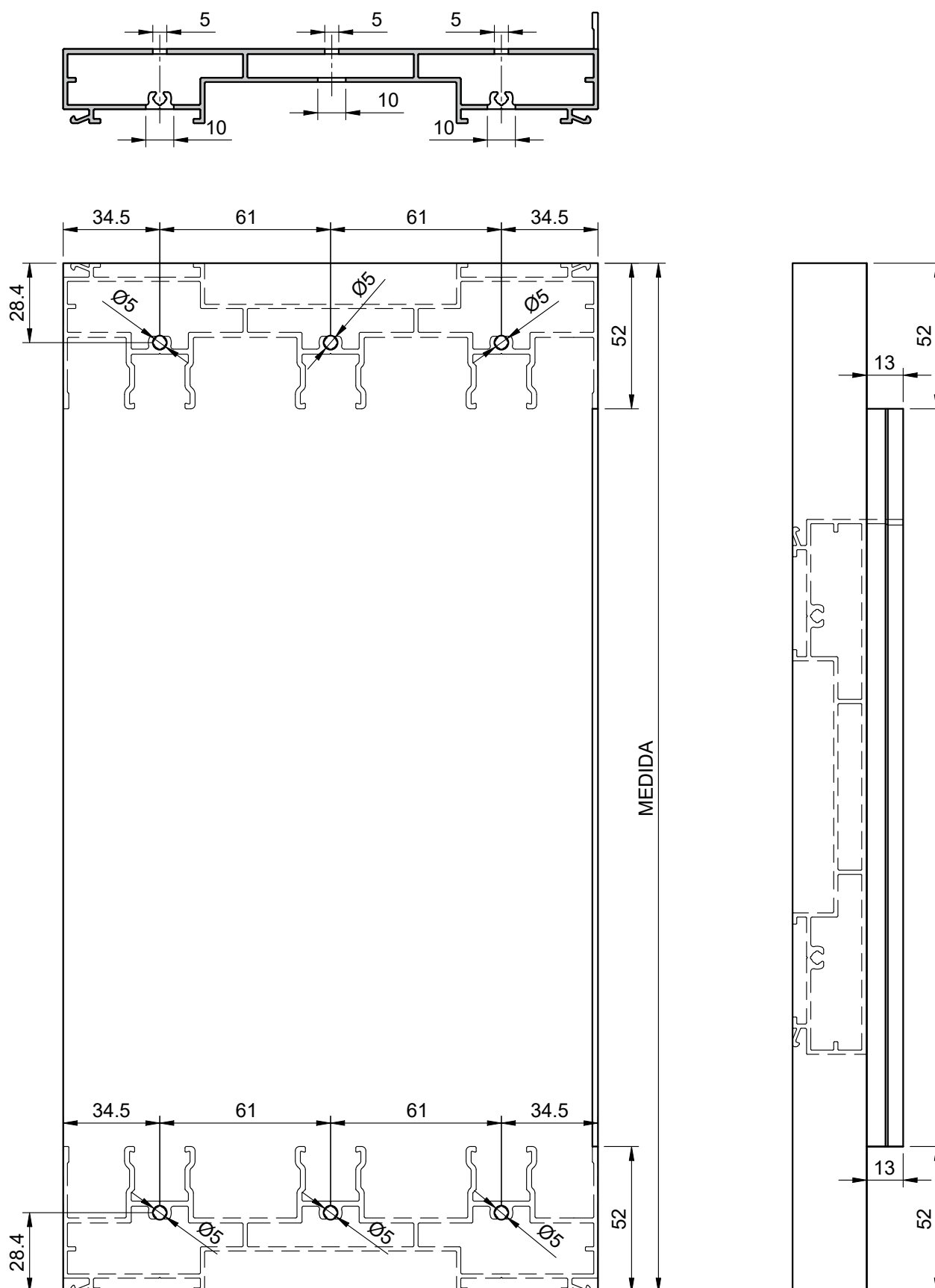
APLICAÇÕES

USINAGEM MARCO LATERAL 2 PLANOS (FZ-0225)

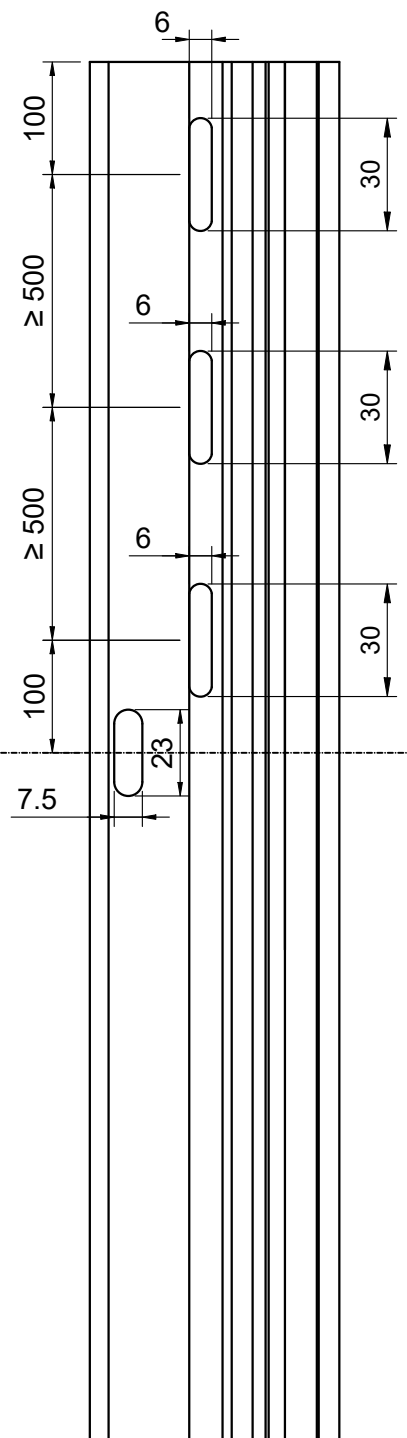
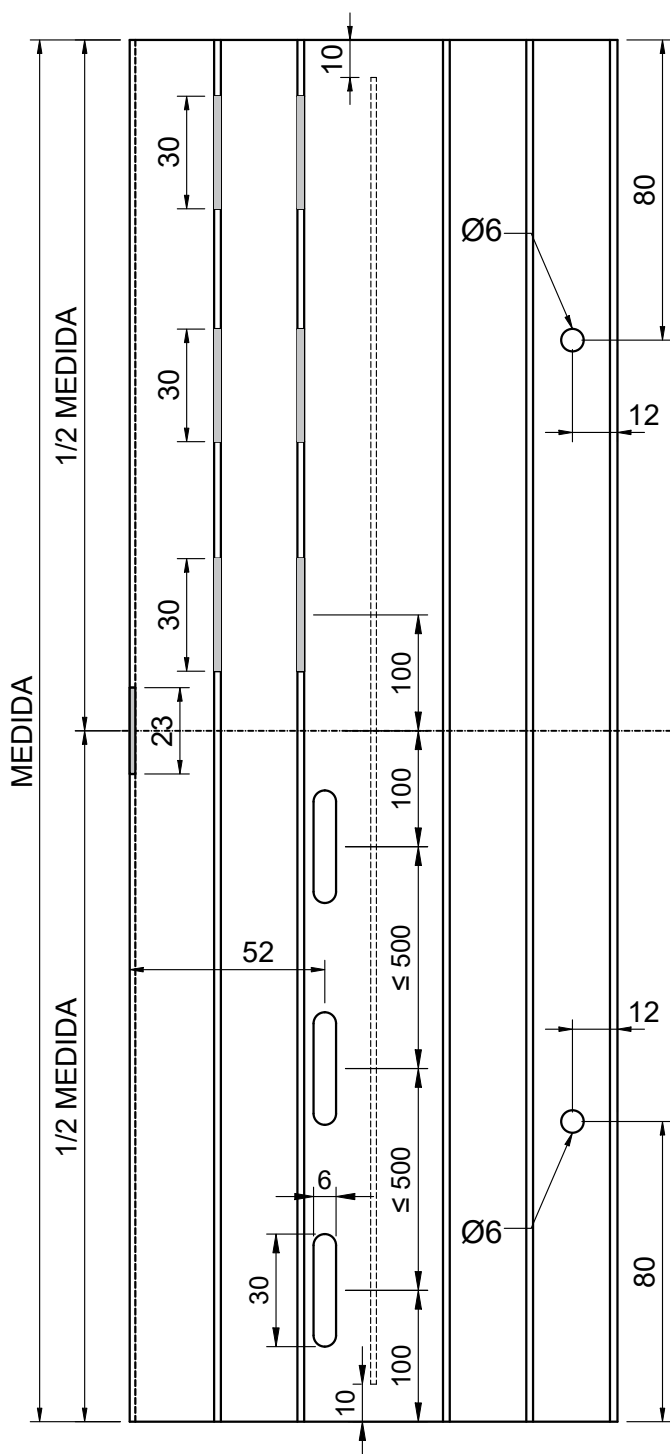
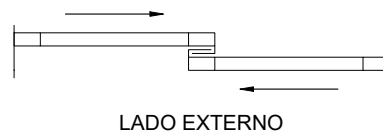
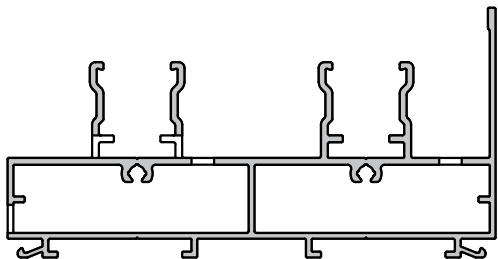


**USINAGEM MARCO LATERAL
2 PLANOS (FZ-0225)**

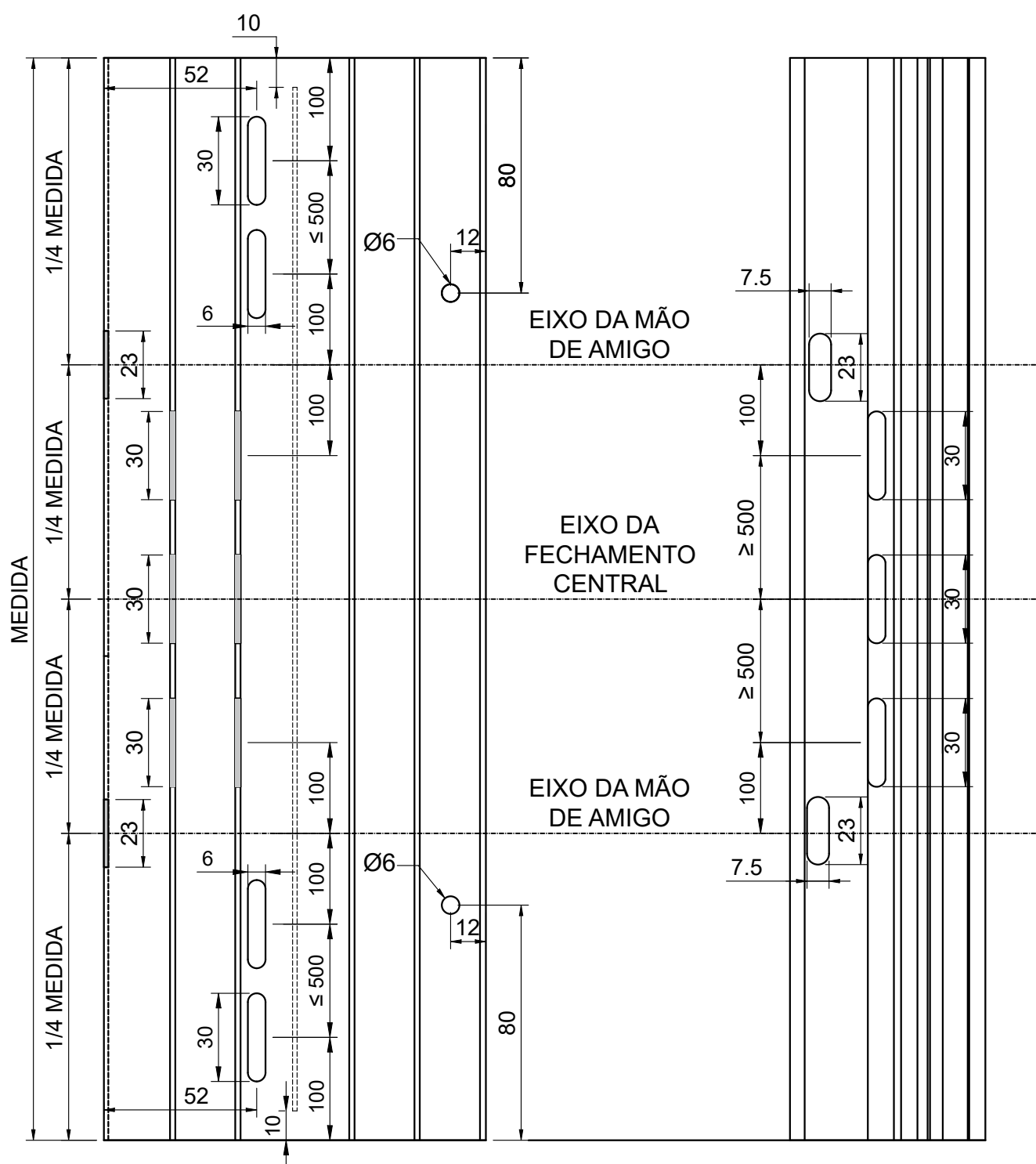
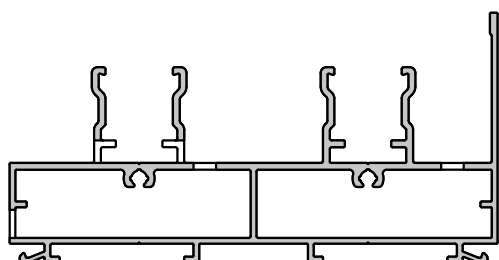
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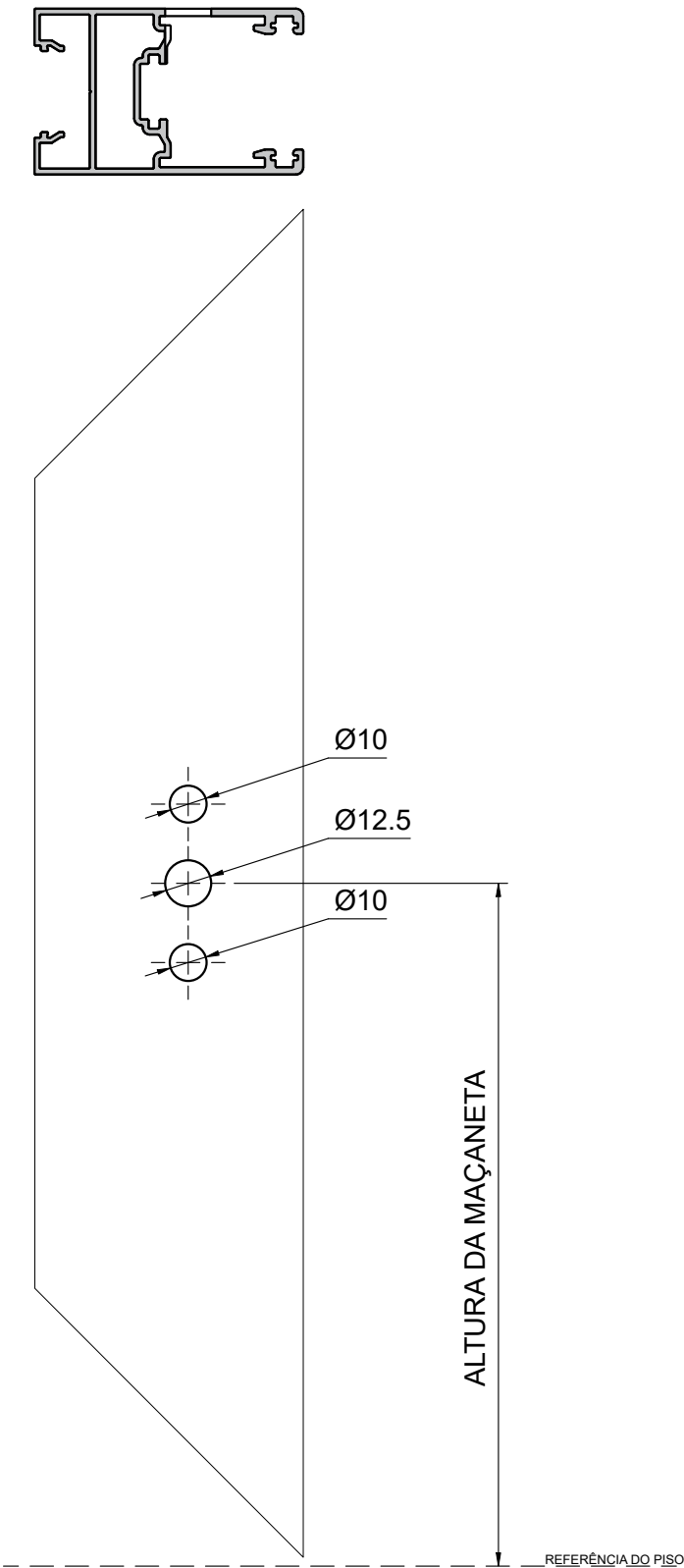
USINAGEM MARCO INFERIOR 2 PLANOS (FZ-0247)



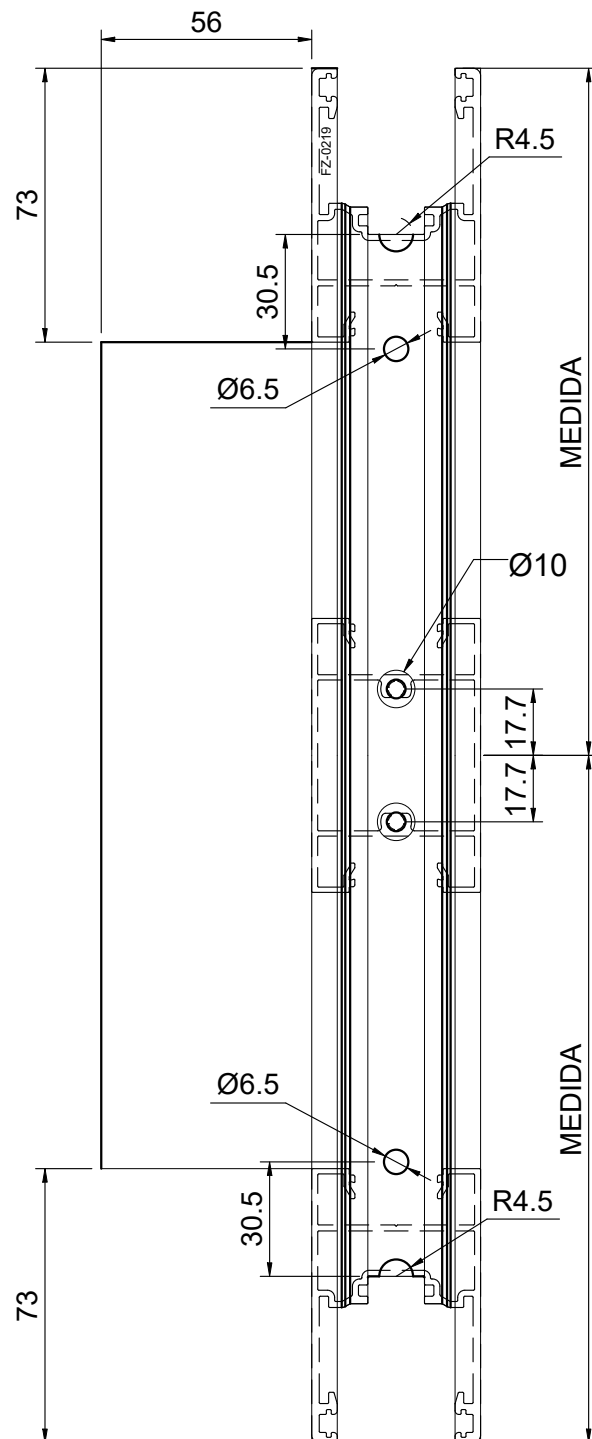
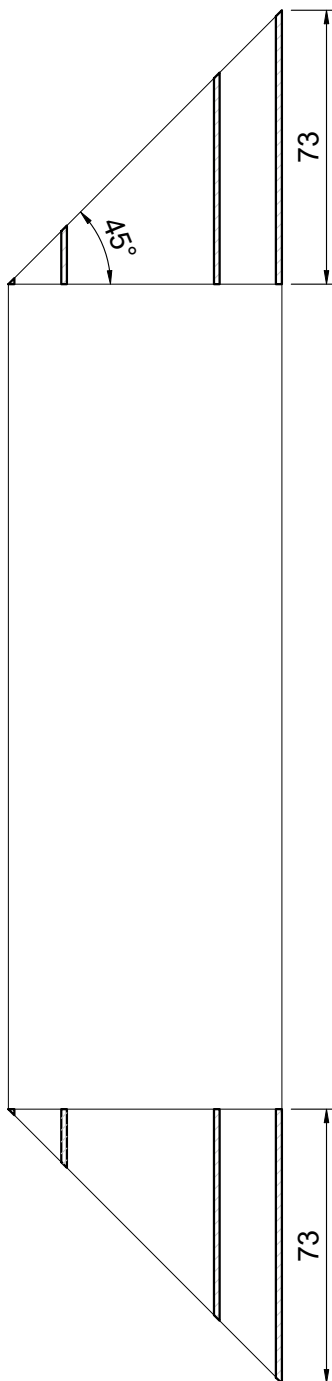
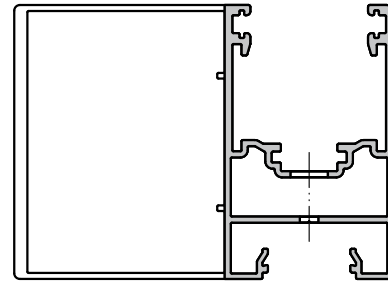
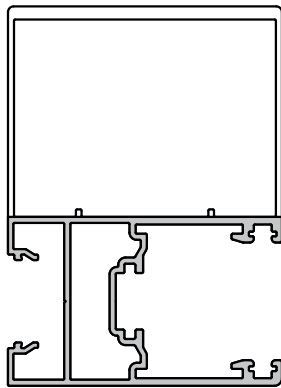
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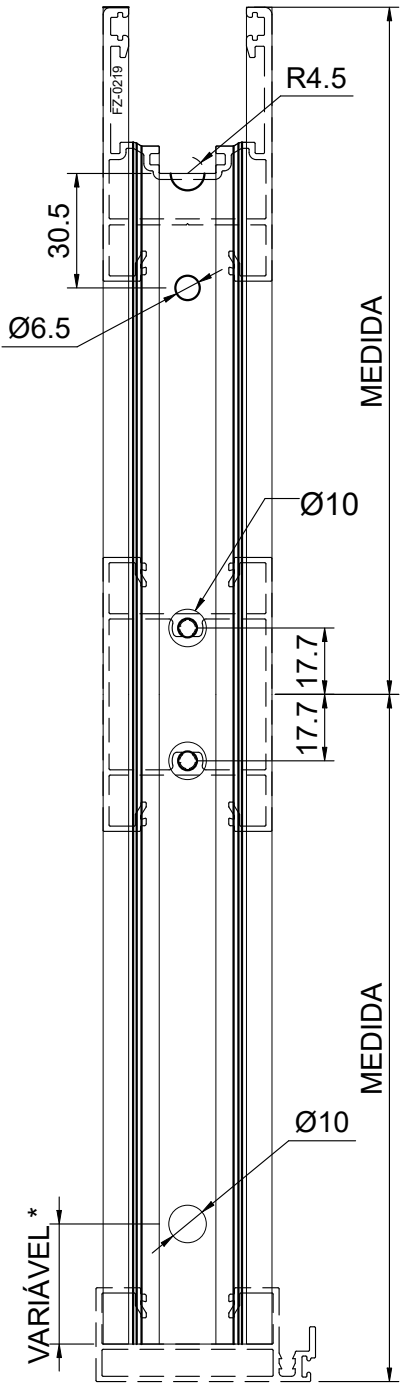
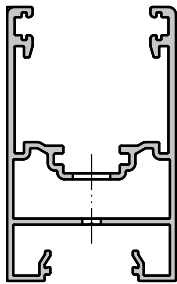
**USINAGEM DO MONTANTE
(FZ-0219)**



USINAGEM DO MONTANTE (FZ-0220)

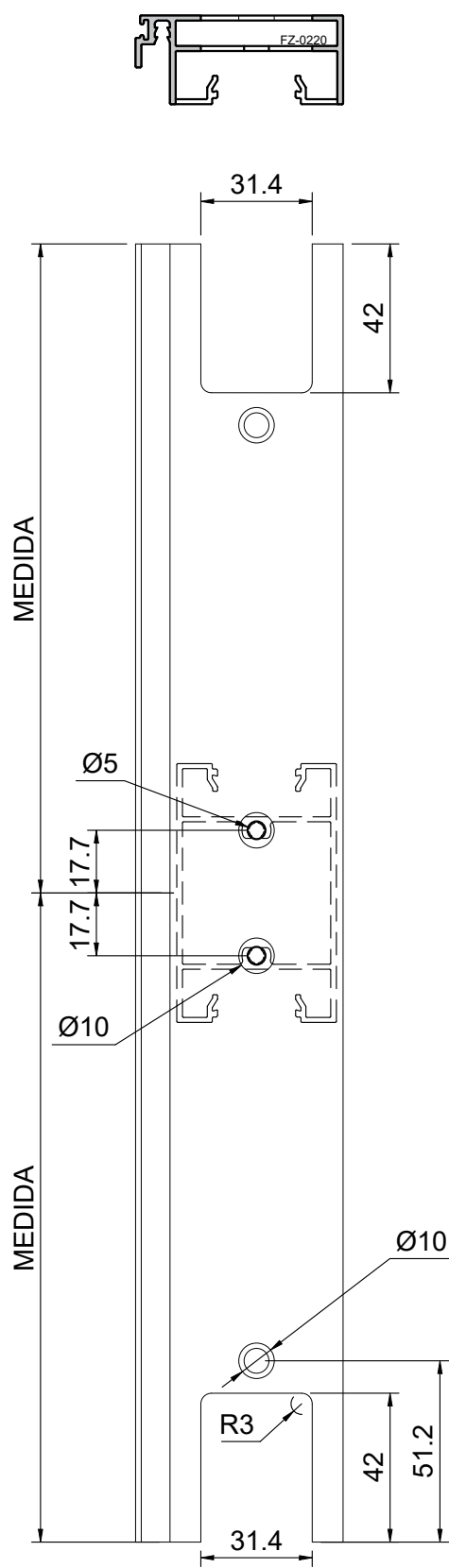
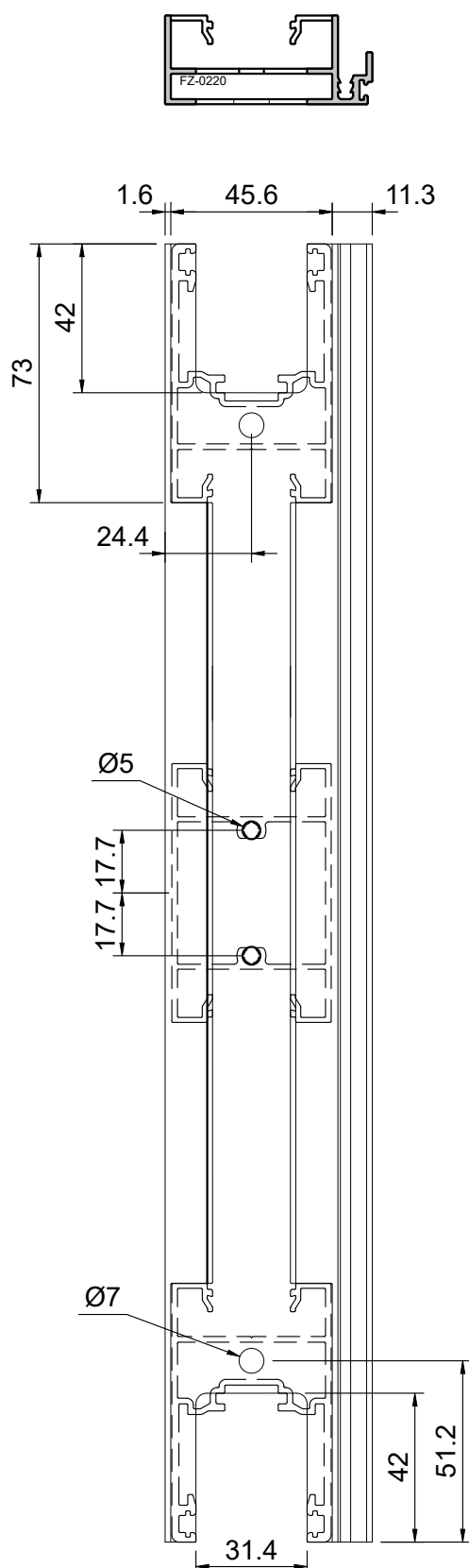


**USINAGEM DO MONTANTE
(FZ-0219)**

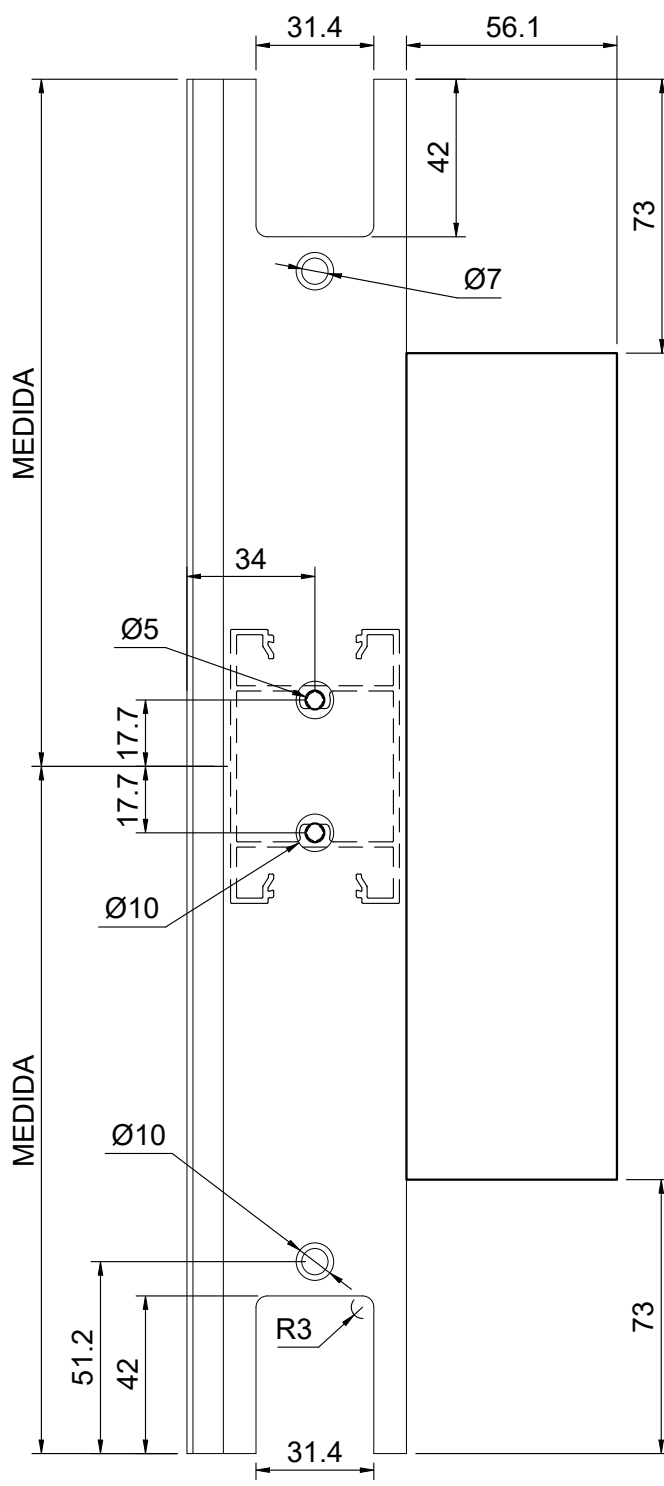
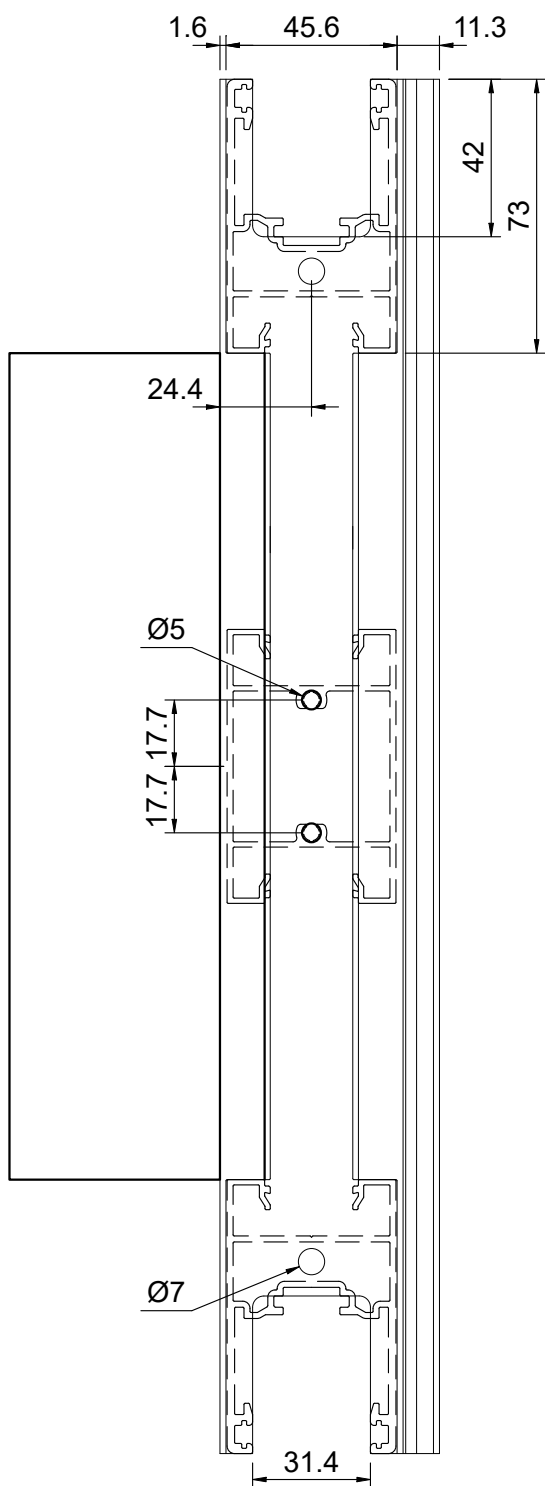
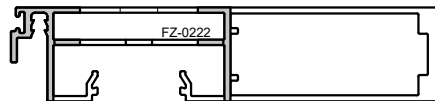
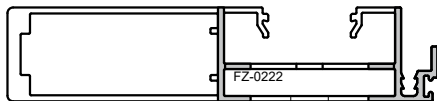


*CONFORME FORNECEDOR DA CONEXÃO

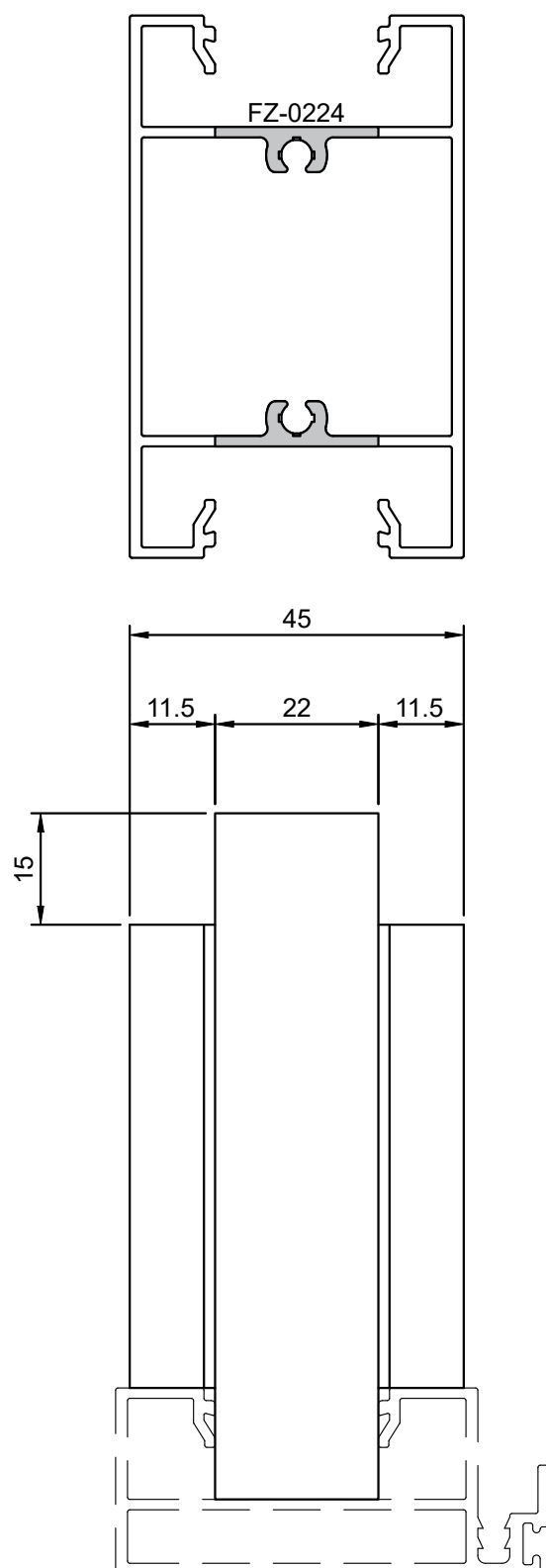
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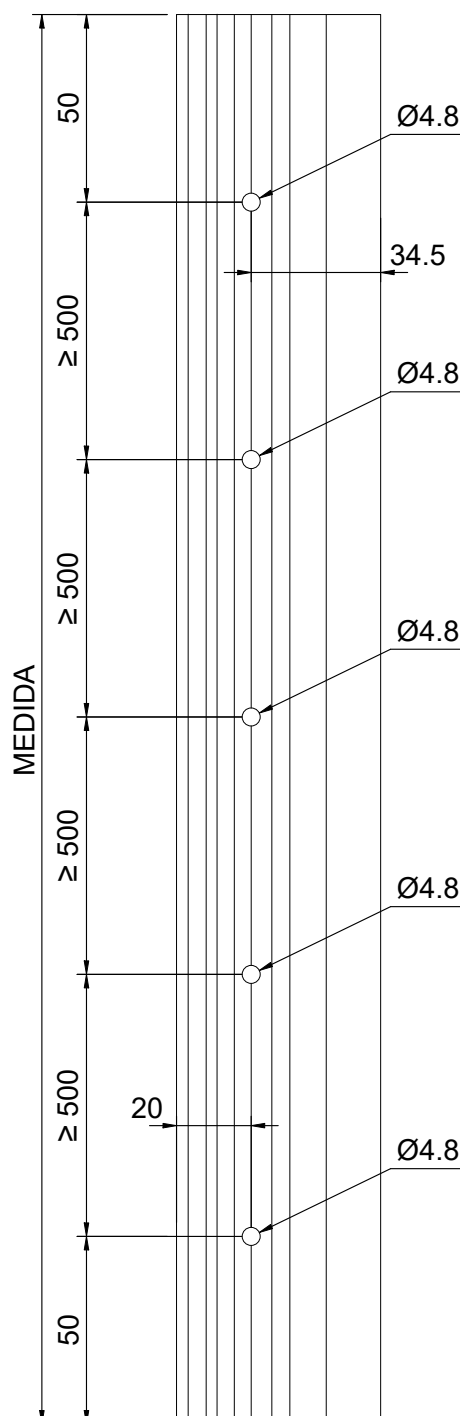
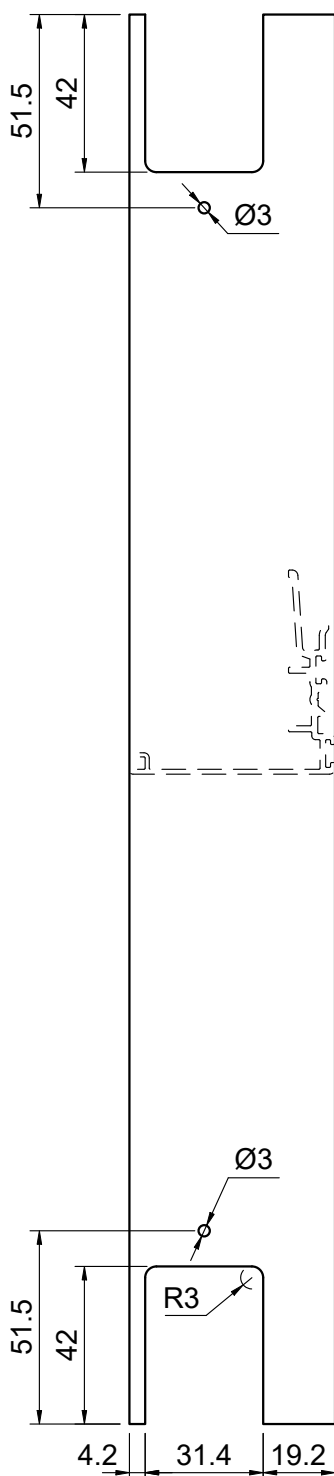
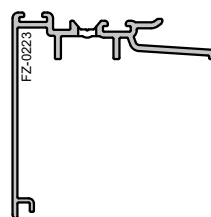
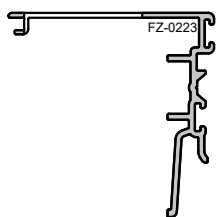
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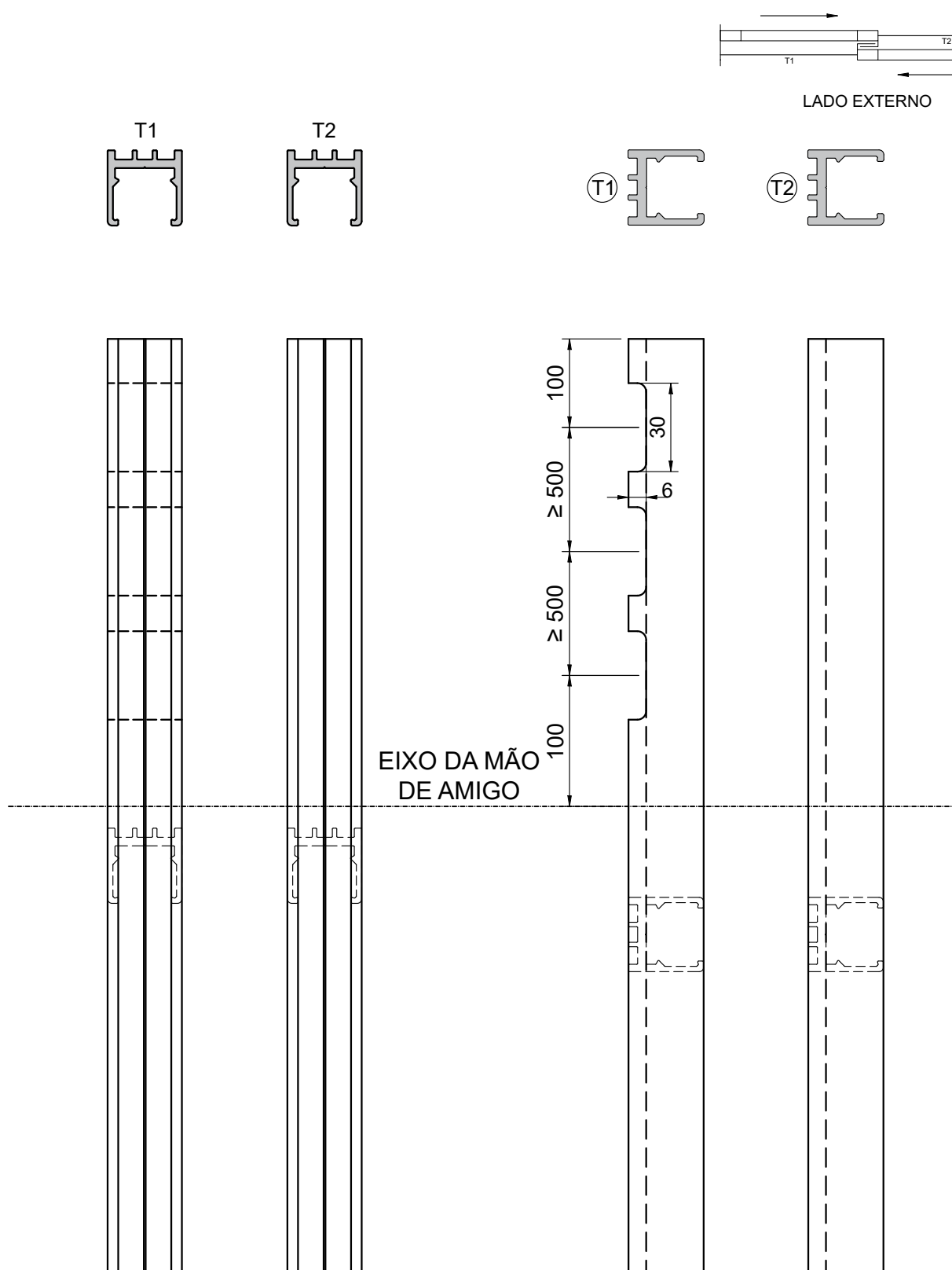
USINAGEM DAS TRAVESSAS (FZ-0224)



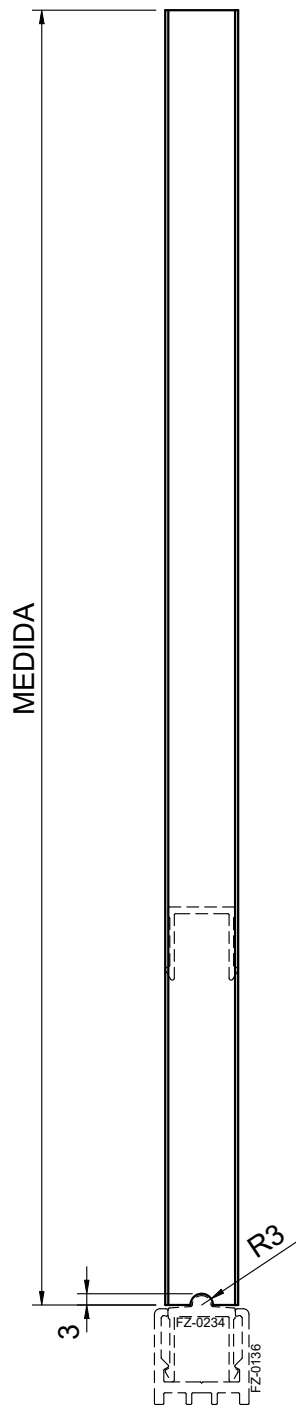
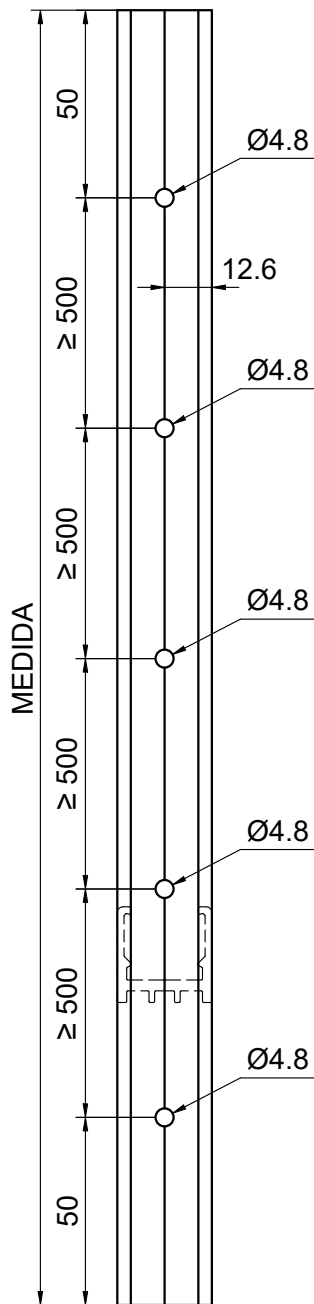
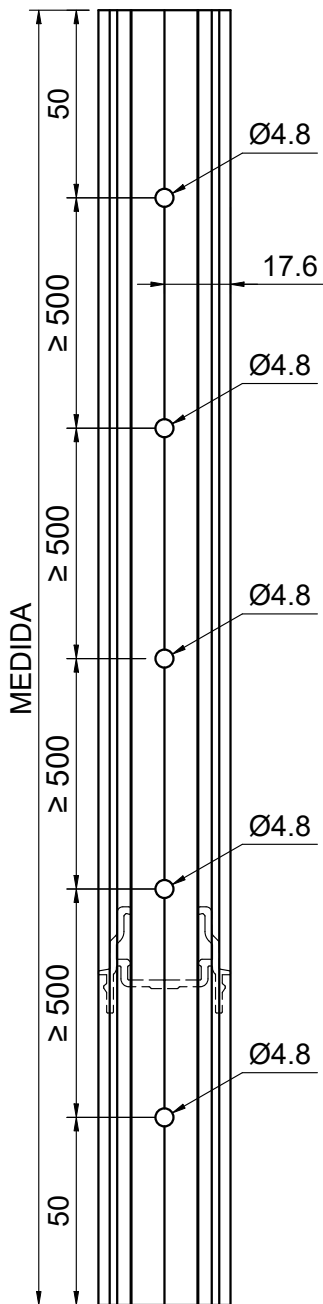
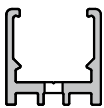
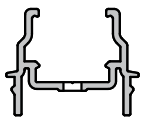
USINAGEM DA MÃO DE AMIGO (FZ-0223)



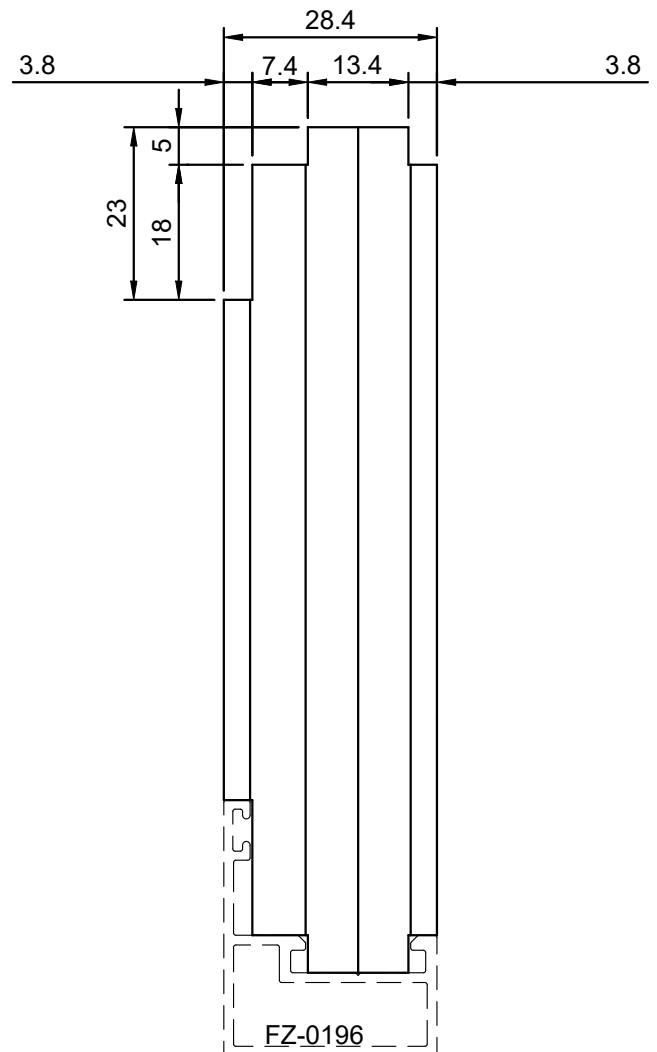
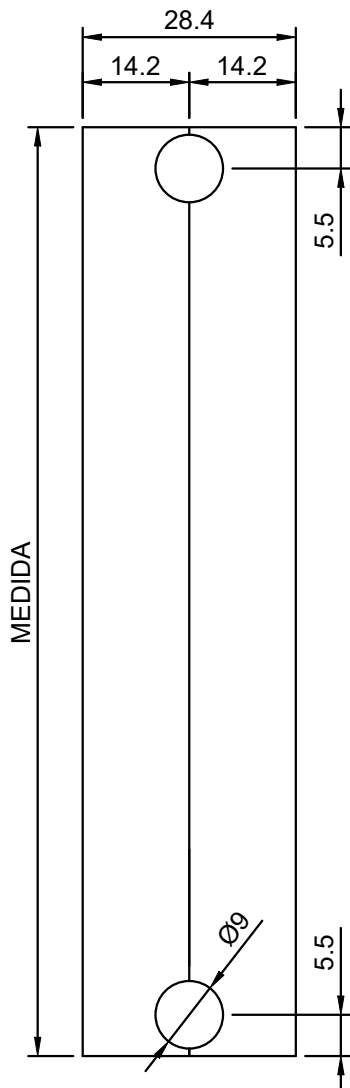
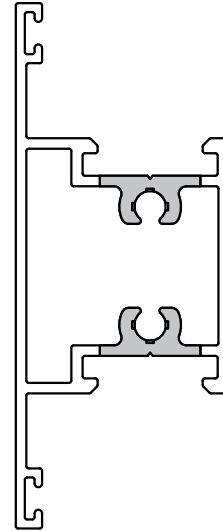
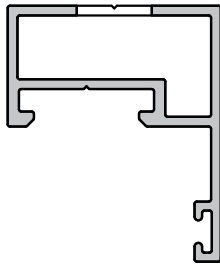
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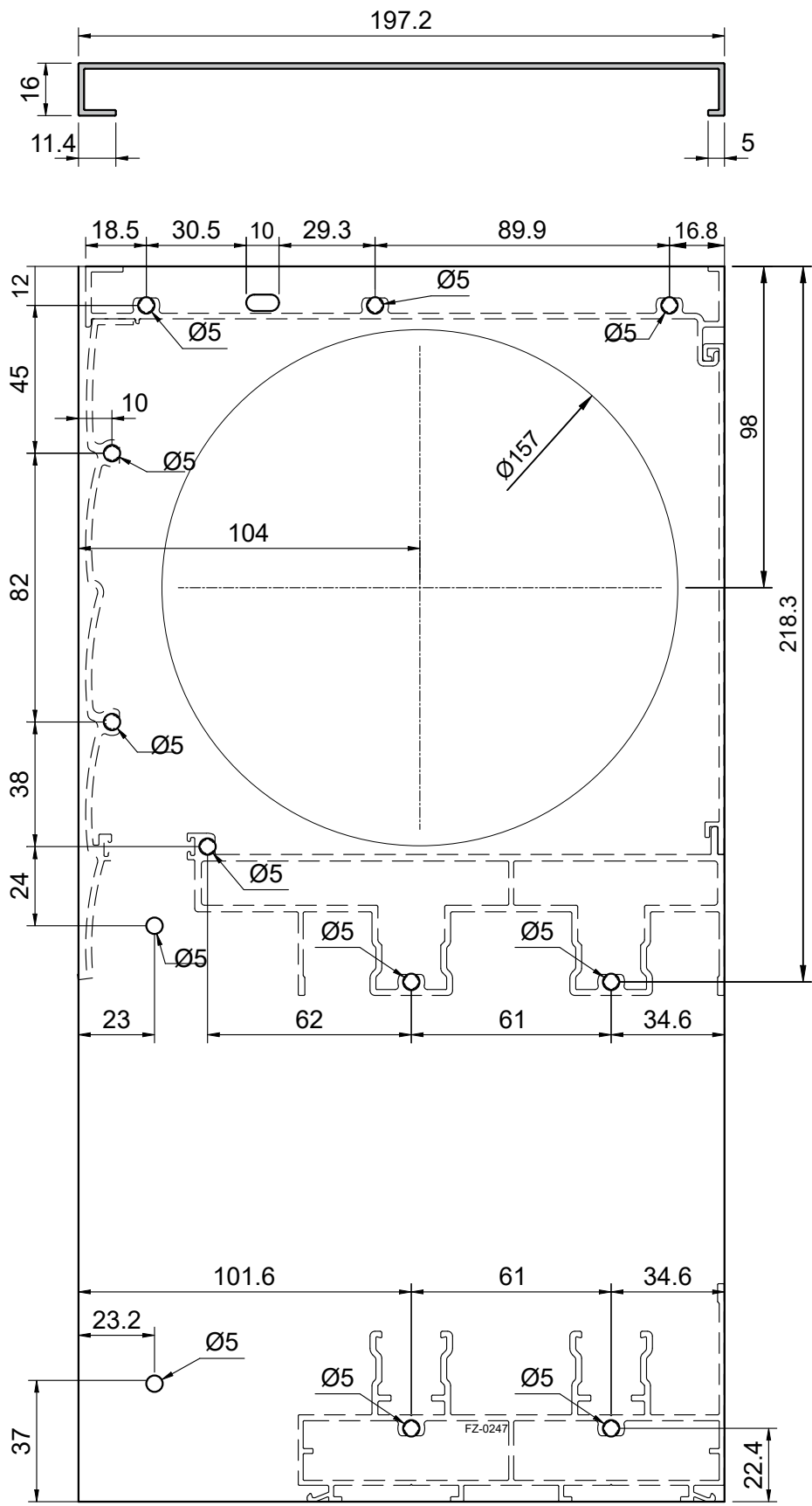
USINAGEM DE FIXAÇÃO DOS PERFIS
FZ-0284, FZ-0136 E FZ-0235



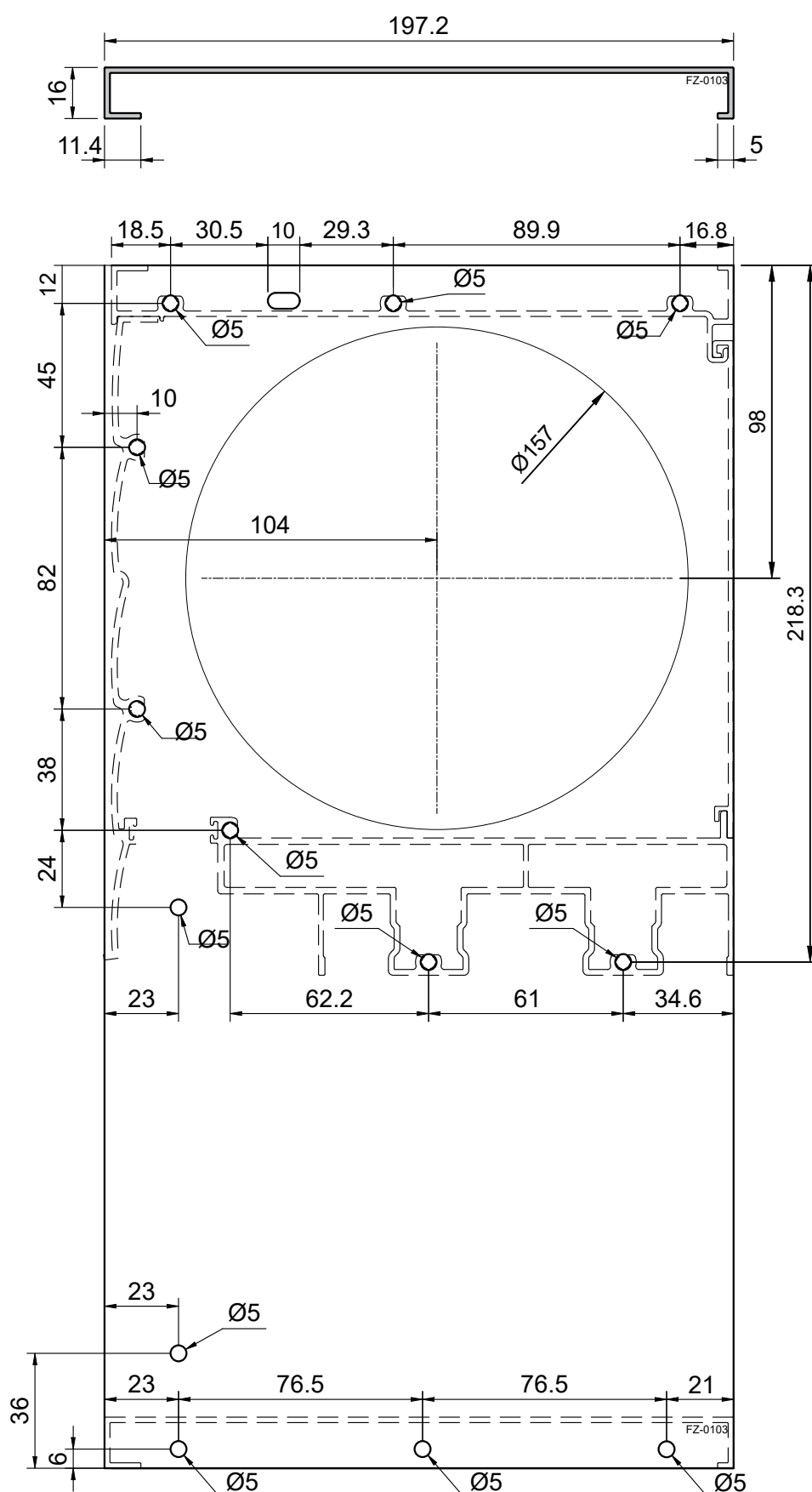
USINAGEM DE QUADRO FIXO E TRAVESSA (FZ0196 E FZ0203)



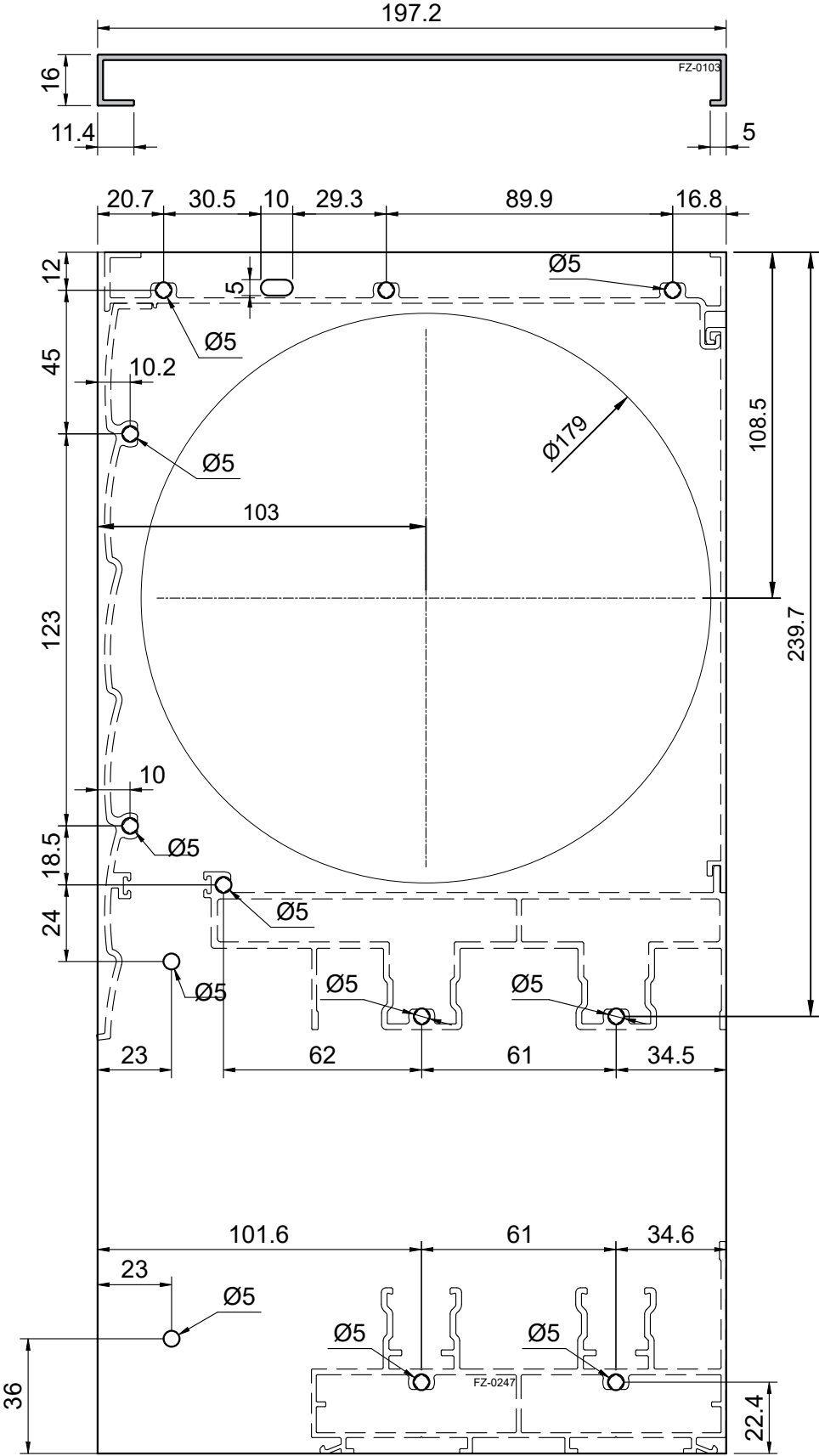
**USINAGEM DO MARCO LATERAL DA
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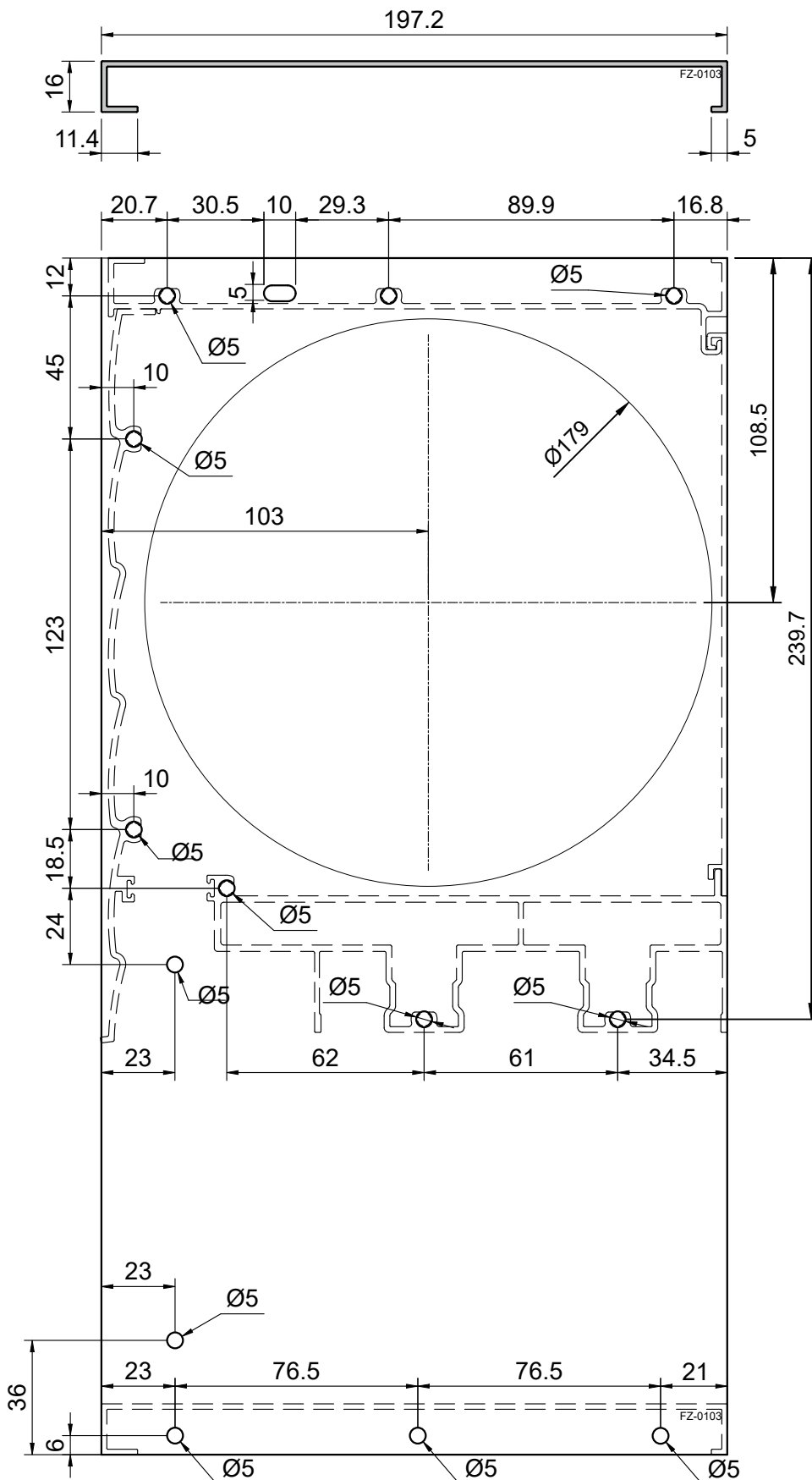
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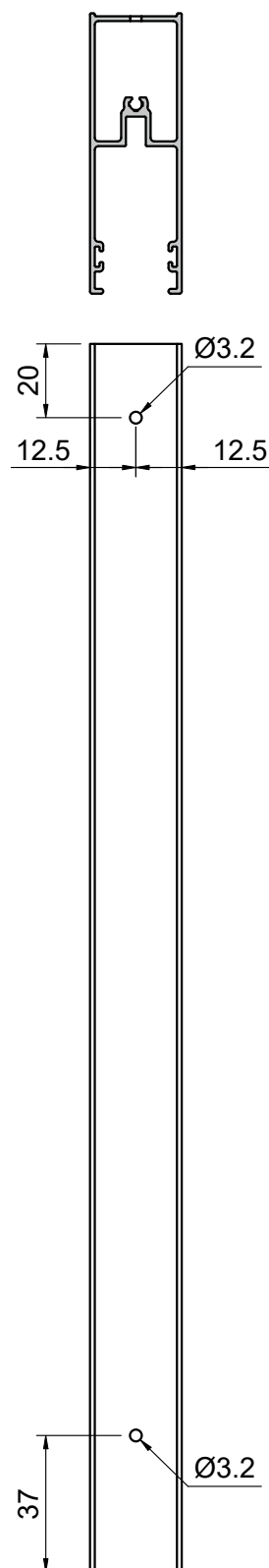


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PERSIANA INTEGRADA 195MM (FZ-0103)**

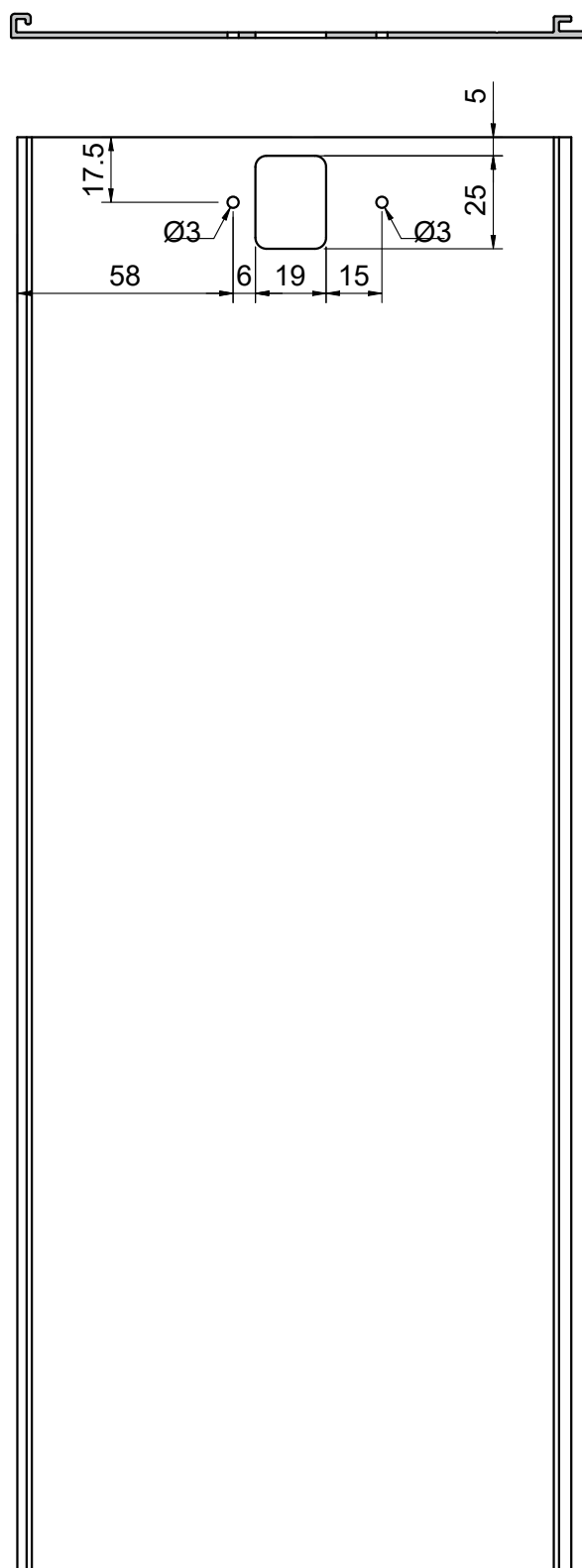


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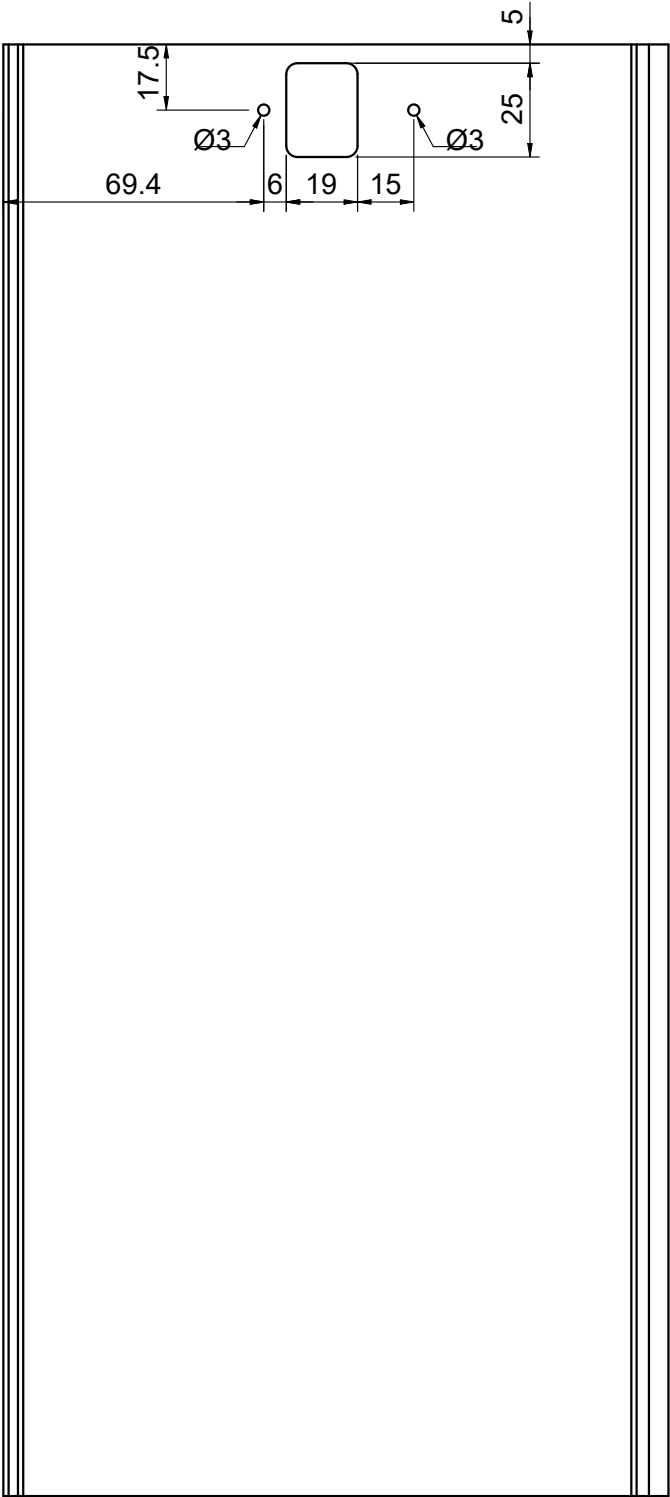
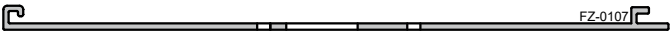


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ESTEIRA (FZ-0200)**

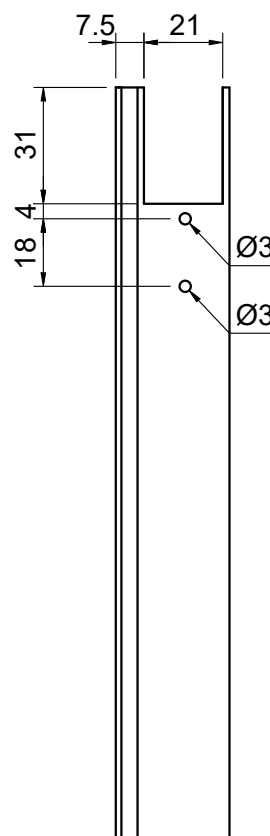
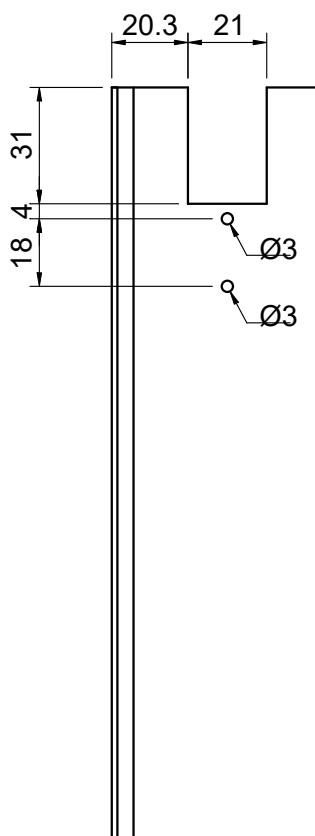
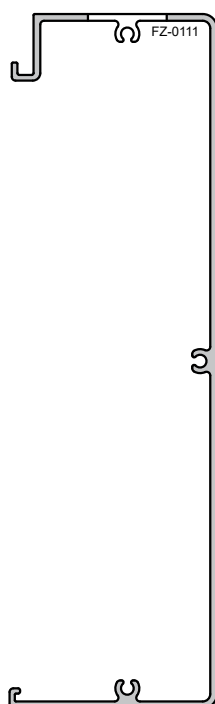
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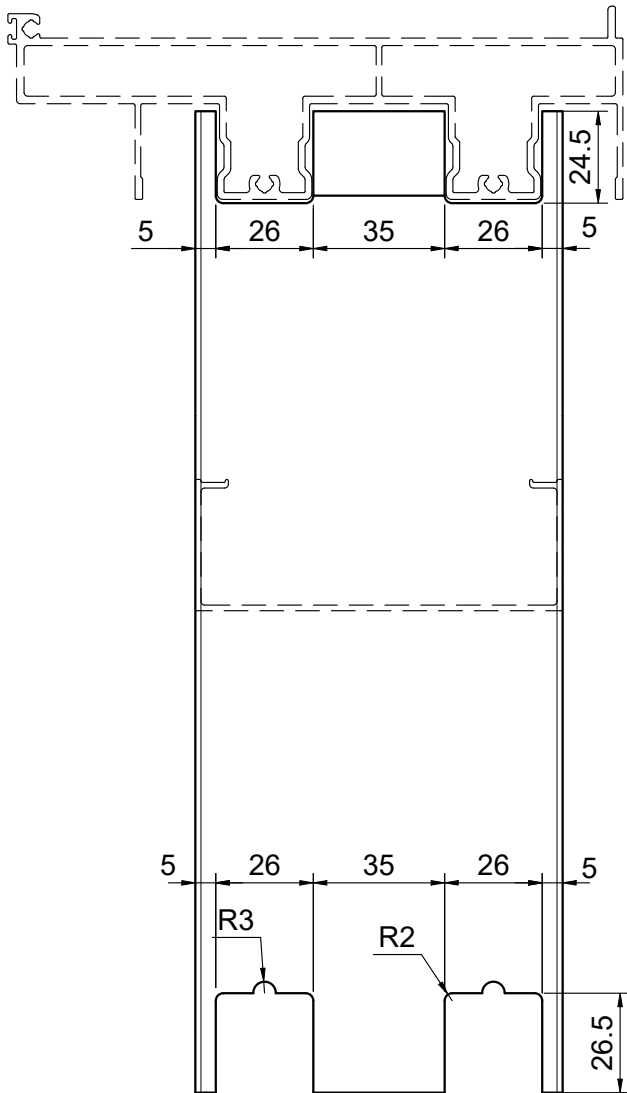
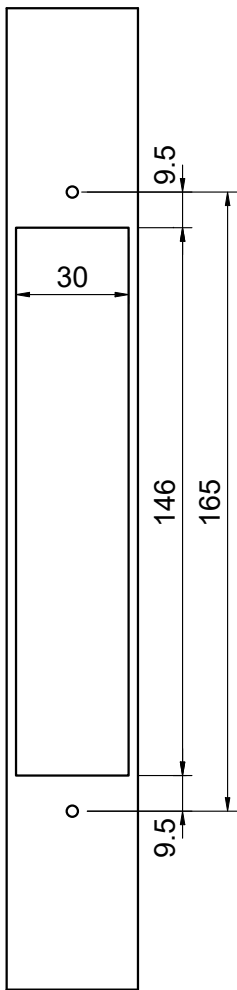
**USINAGEM DA TAMPA
INTERNA (FZ-0107)**



USINAGEM DAS TAMPAS INTERNAS (FZ-0111 E FZ-0115)



**USINAGEM DA CAIXA
DO RECOLHEDOR (MN-050)**





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