

Catálogo técnico abatible FA48

Edición 2026.09



Datos técnicos

Banco ensayo - resultados

AEV

Aire	1	2	3	4
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Agua	7A	8A	9A	E 750	E 900	E 1050	E 1200
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Viento	C1	C2	C3	C4
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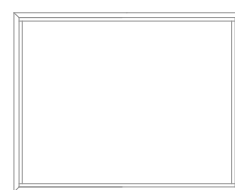
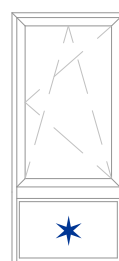
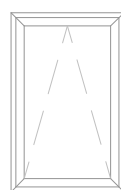
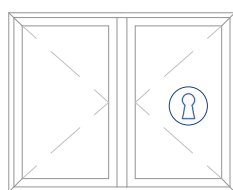
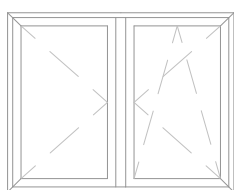
Resultados obtenidos se los informes según
ENSATEC con número de ensayo 262.552, y en
base al Anexo E de la norma EN 14351-1:2006 +
A2:2016

Ábaco de uso

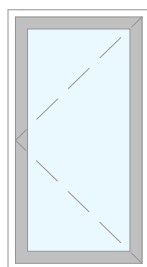
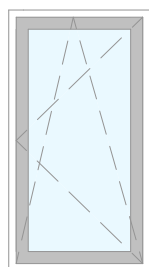
Tipologías posibles



Posible la colocación
de cerradura.



★ Posición posible del Fijo: inferior, superior y lateral.



Para dimensiones de hoja
maximas y minimas ver
catalogo de maniobra

Acristalamiento
Máximo: 11 mm
Mínimo: 6 mm



100 Kg
max / hoja

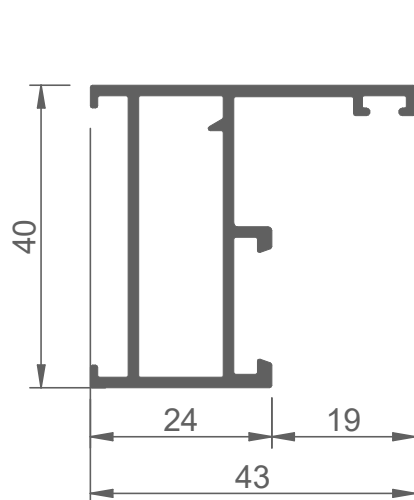


120 Kg
max / hoja

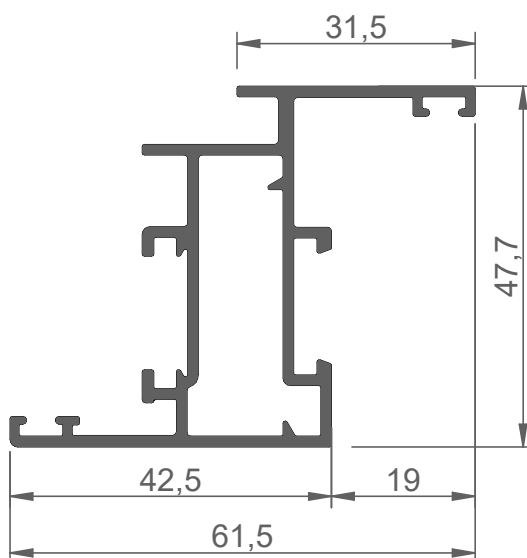


Perfiles

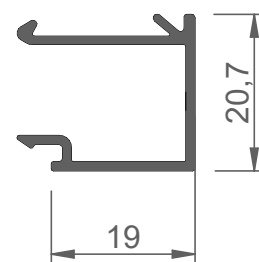
Marcos y hojas



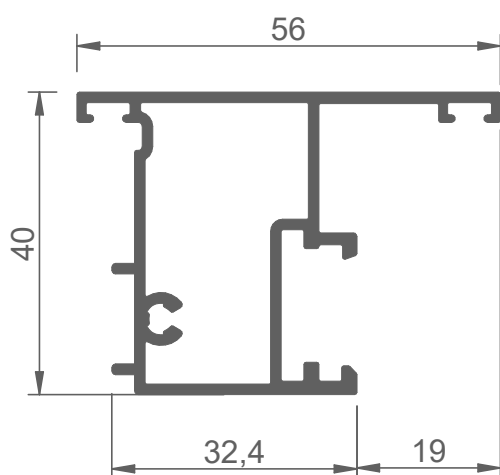
FWP10001
marco



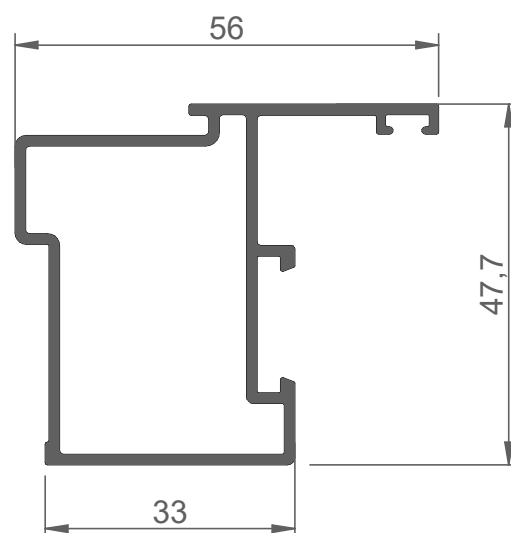
FWP10002
hoja



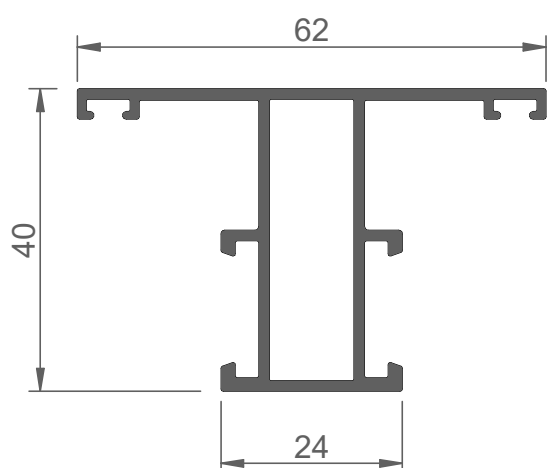
FWP00002
junquillo



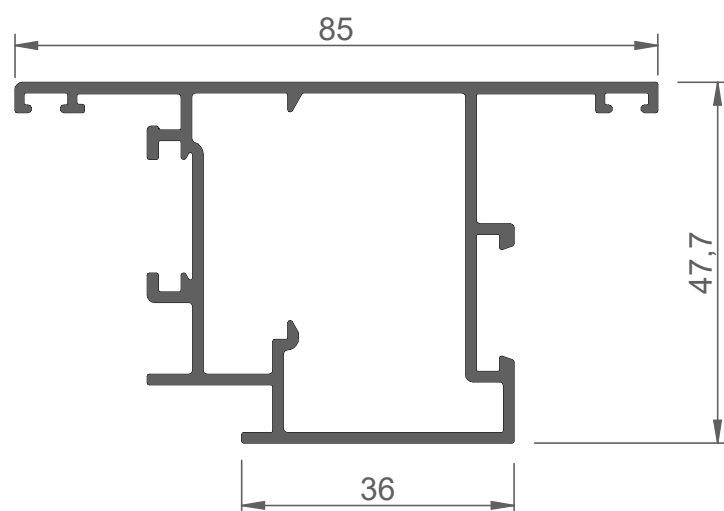
FWP10003
inversor



FWP10004
complemento cerradura



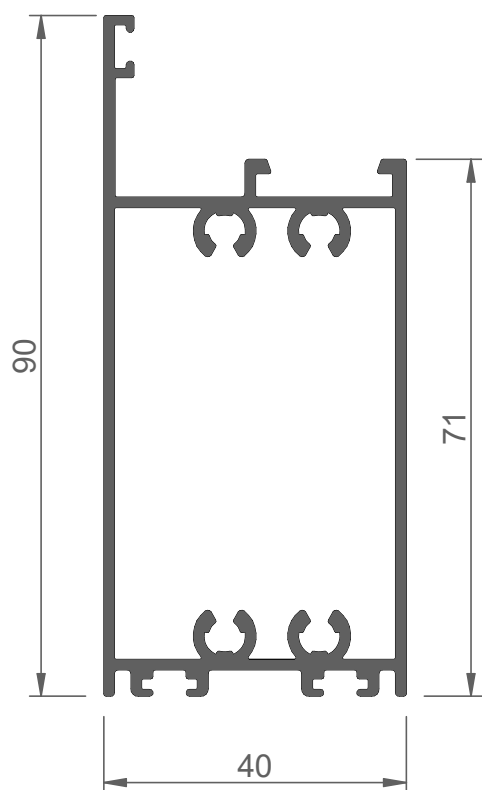
FWP10005
travesaño



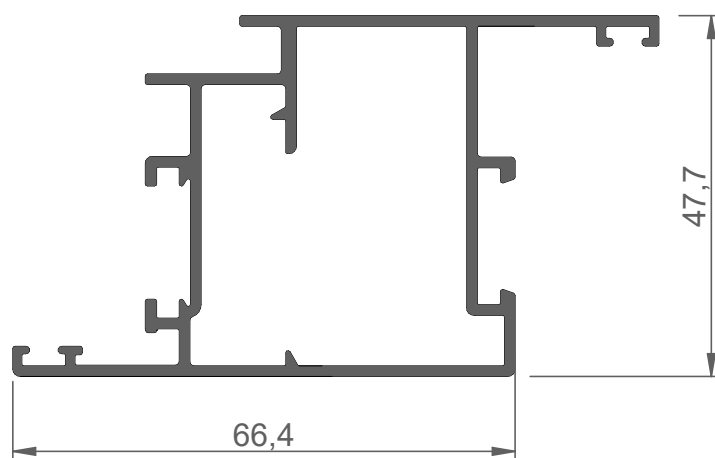
FWP10006
hoja apertura exterior

Perfiles

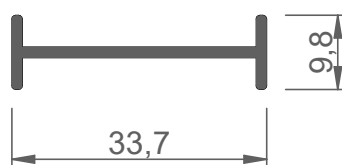
Complementos



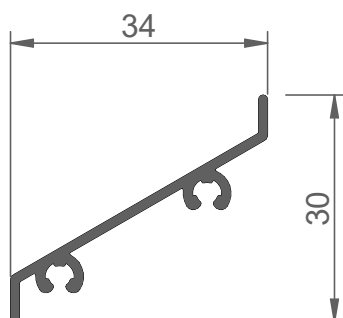
FWP10007
zócalo



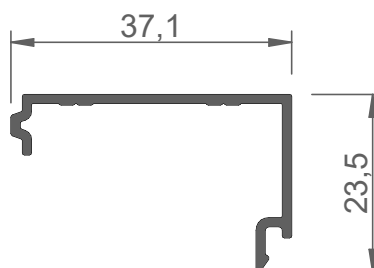
FWP00010
hoja apertura interior



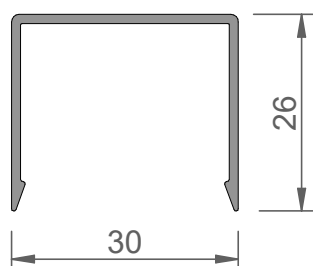
FWP00004
perfil unión



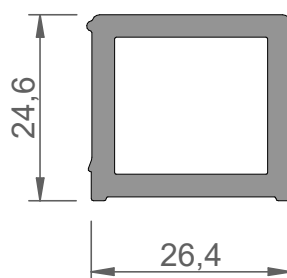
FWP10009
celosia



FWP00003
tapa perfil refuerzo



FWP10008
junquillo celosia



FWP00002
perfil refuerzo

Accesorios

Escuadras de armado

FWA00032

Escuadra marco - hoja



FWA00034

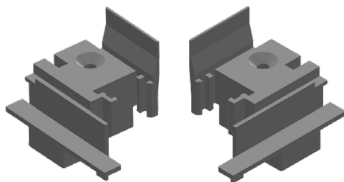
Unión travesaño



Estanquidad

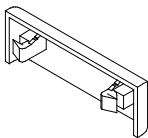
FWA00045

Tapón inversor hoja



FWA00039

Tapón de desagüe



FWJ00007

Junta hoja - marco



FWJ00001

Felpa 7 x 7



Juntas y acristalamiento

FWJ00002

Junta cuña 1.5 mm



FWJ00003

Junta cuña 2 mm



FWJ00004

Junta cuña 2.5 mm



FWJ00005

Junta cuña 3 a 5 mm



FWJ00006

Junta cuña 5 a 7 mm

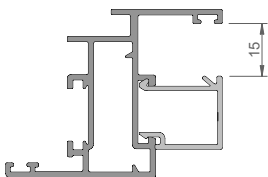
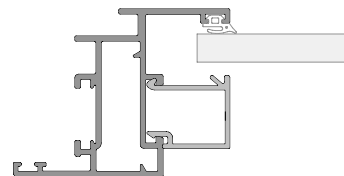
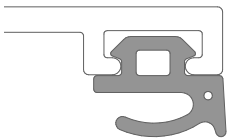


TABLA DE APLICACIÓN JUNTAS

Perfil hoja	Hueco perfi	Vidrio	Junta interior	Junta exterior
FWP10002	15 mm	6 mm	FWJ00006	FWJ00007
		7 mm	FWJ00006	FWJ00007
		8 mm	FWJ00005	FWJ00007
		9 mm	FWJ00005	FWJ00007
		10 mm	FWJ00003	FWJ00007
		11 mm	FWJ00003	FWJ00007

Ubicación de junta

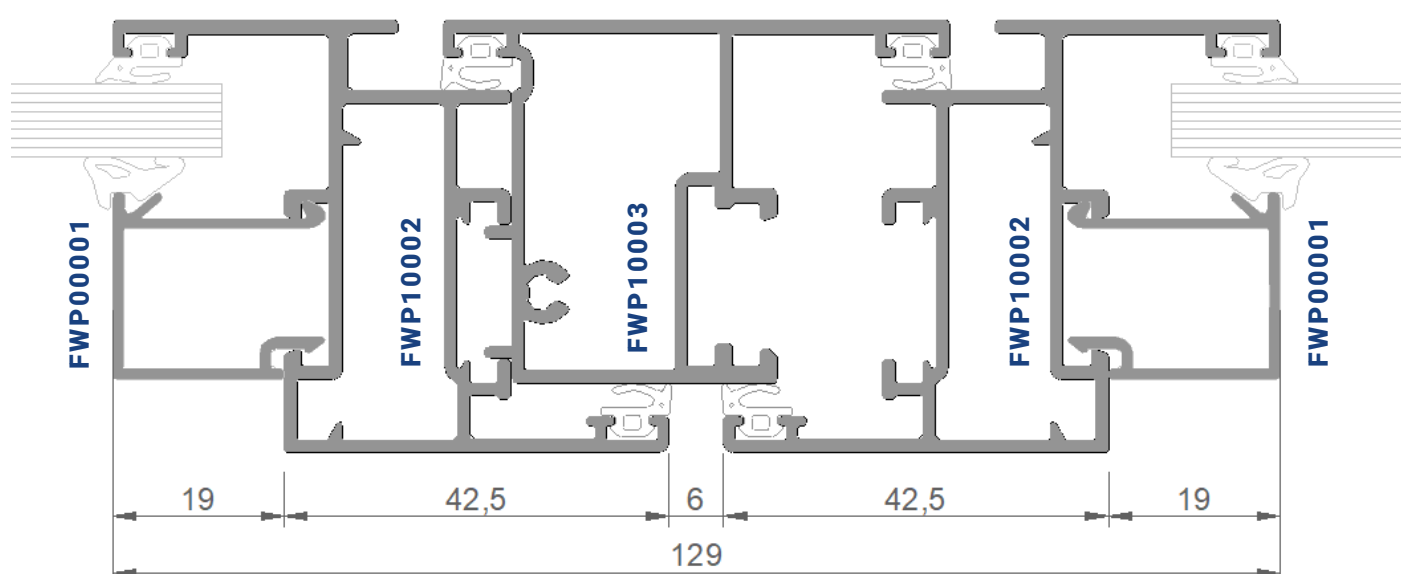
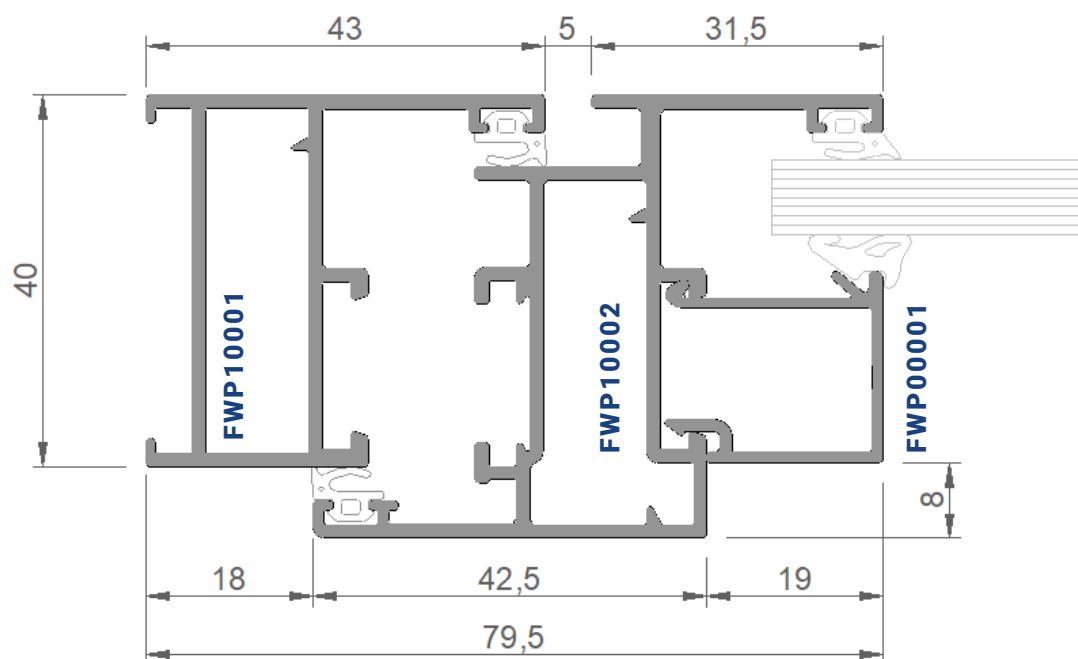


Exterior



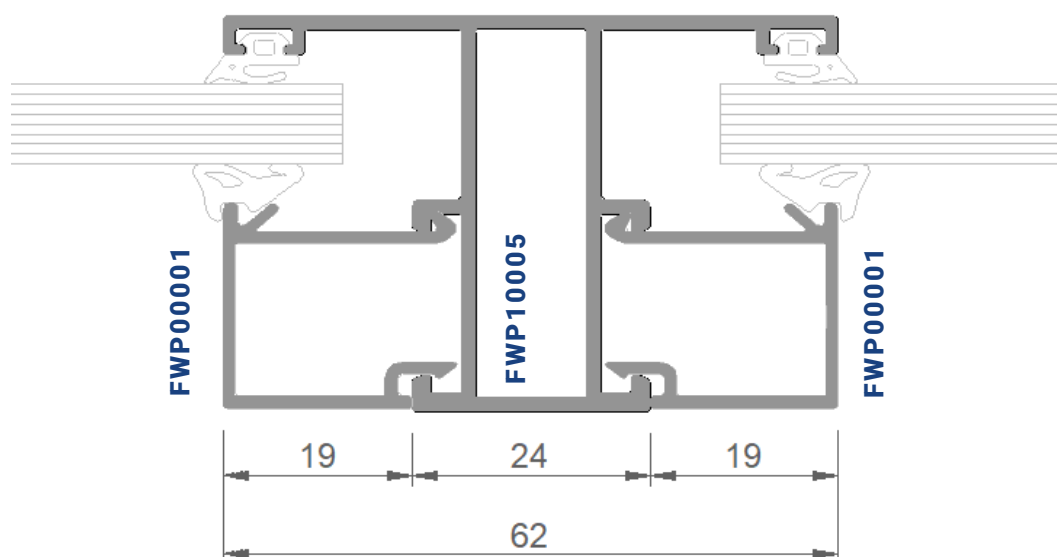
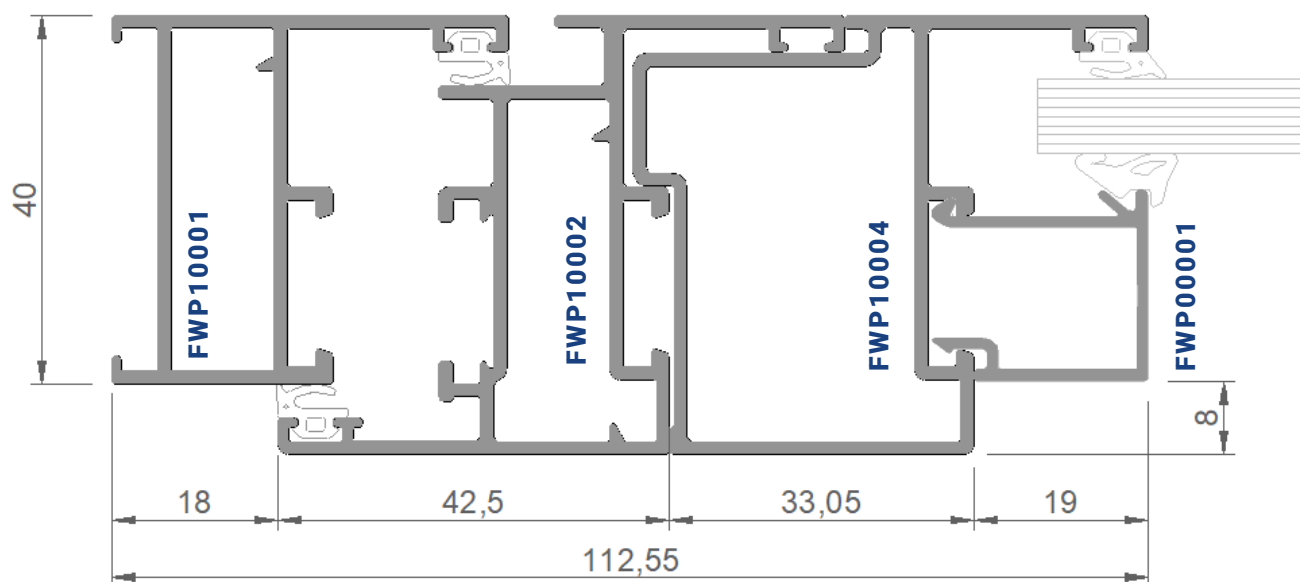
Secciones

1 hoja y 2 hojas



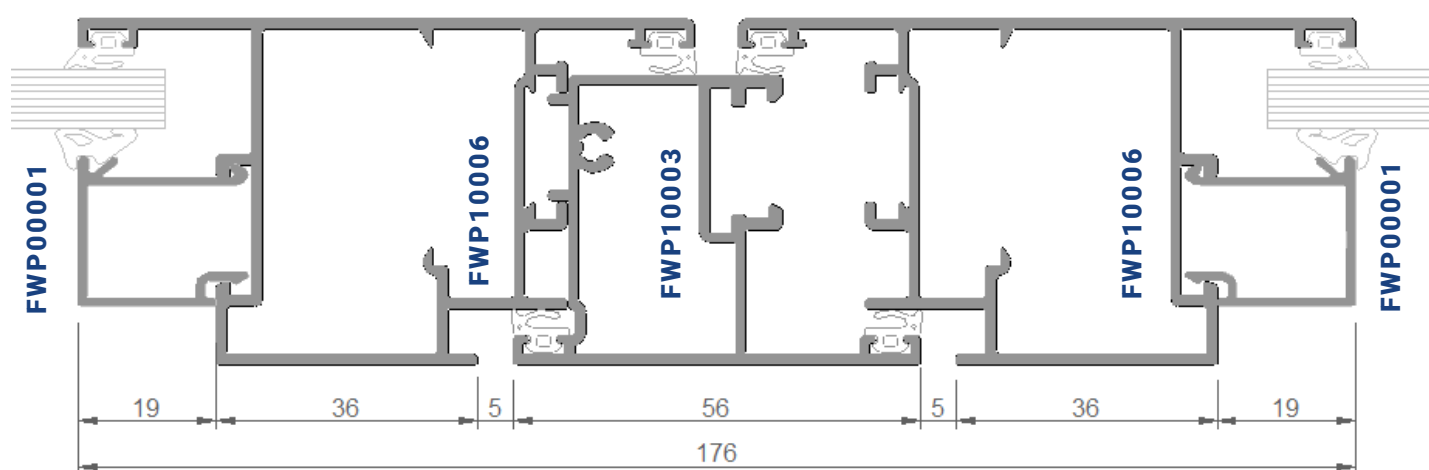
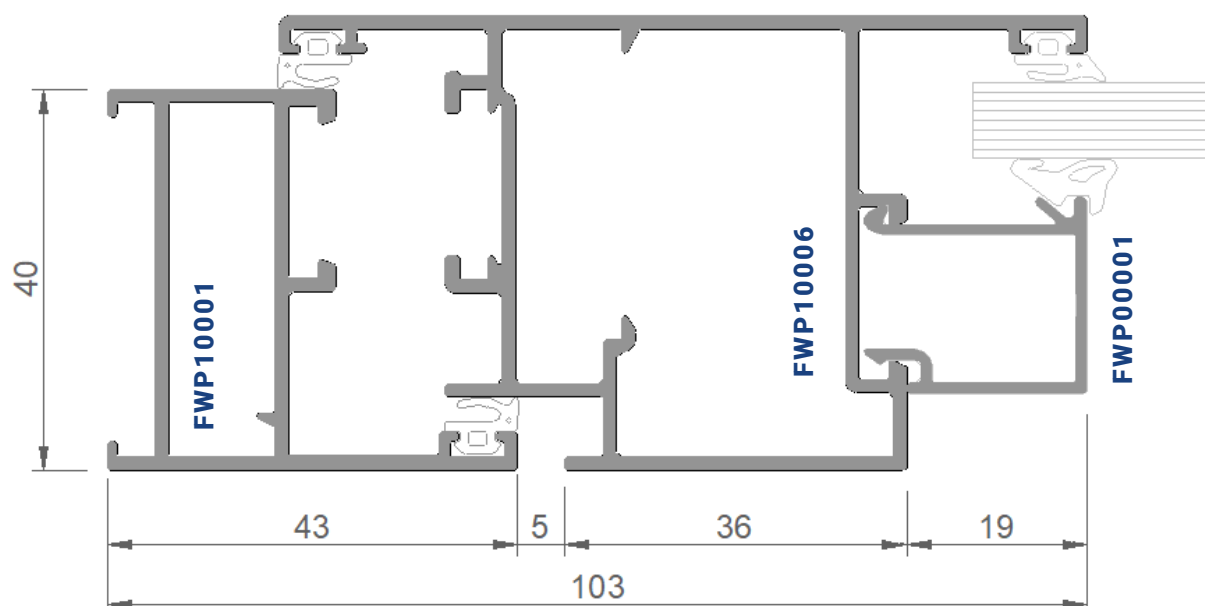
Secciones

Cerradura y travesaño



Secciones

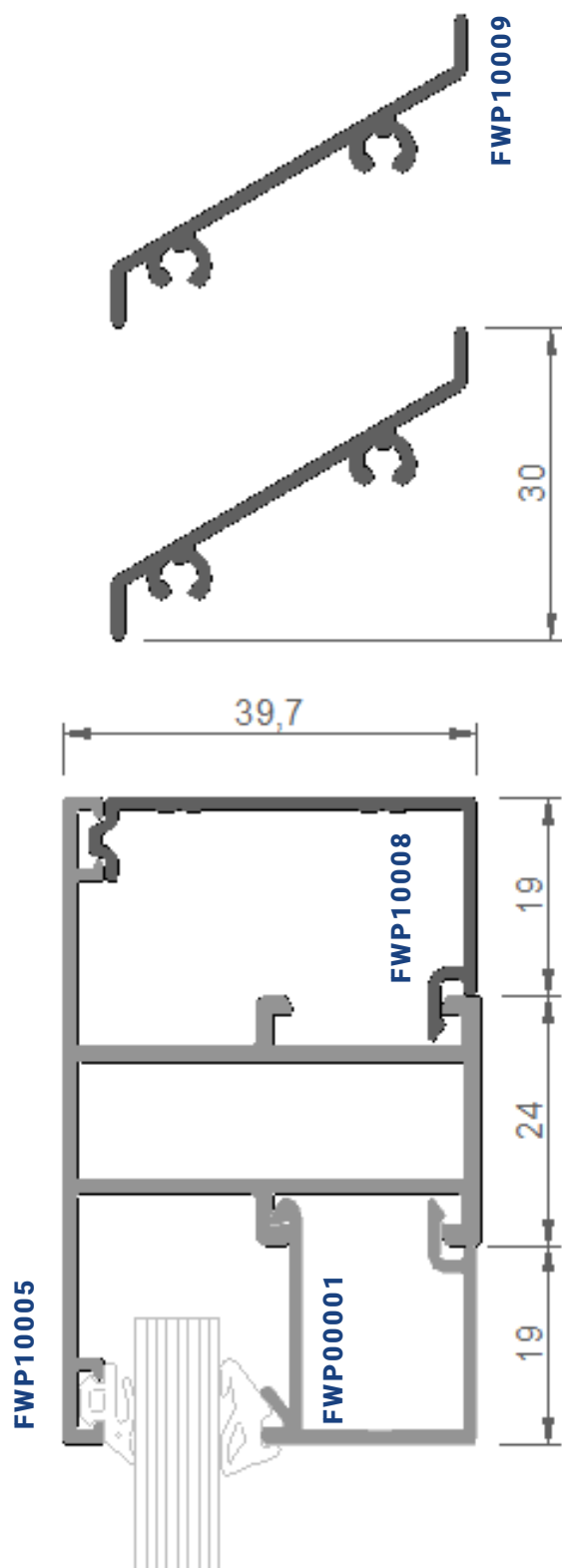
Puerta apertura exterior



Detalle fuera de escala

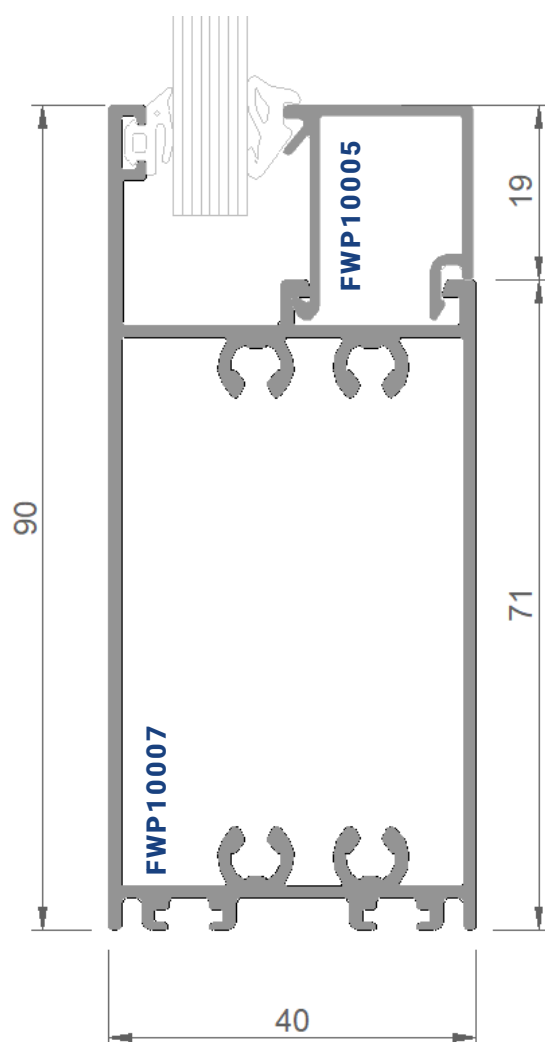
Secciones

Celosis



Secciones

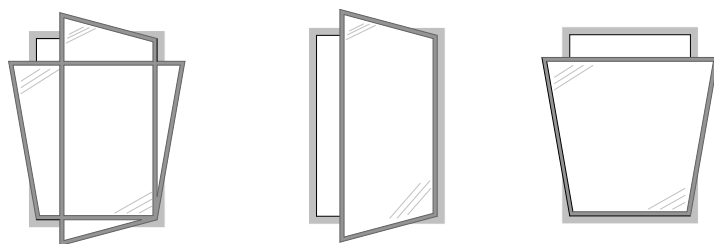
Zócalo

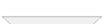
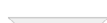
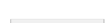




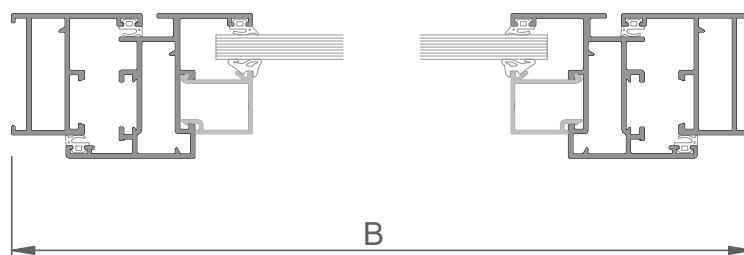
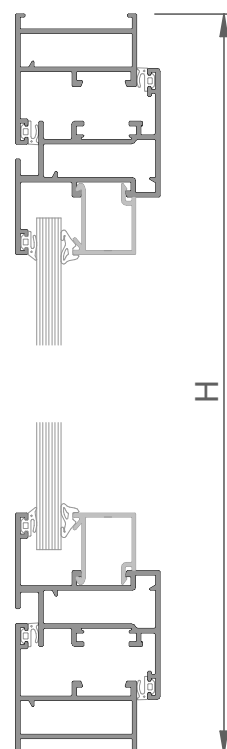
Fórmulas de corte

1 hoja apertura interior



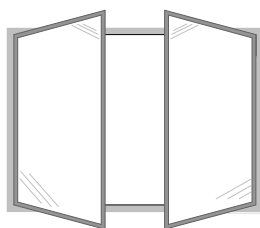
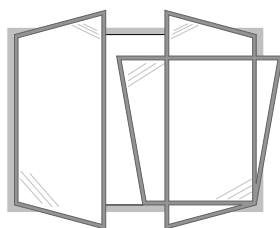
FÓRMULAS DE CORTE					
PERFIL	DESCRIPCIÓN	REF.	UDS	FORMA	FÓRMULA
MARCO					
	marco horizontal	FWP10001	2		B
	marco vertical	FWP10001	2		H
HOJA					
	hoja horizontal	FWP10002	2		B-37
	hoja vertical	FWP10002	2		H-37
JUNQUILLOS					
	junquillos rectos horizontales	FWP00001	2		B-122
	junquillos rectos verticales	FWP00001	2		H-160
VIDRIOS					
	vidrio	-	1		B-135 x H-135

ACCESORIOS		
	REF.	UDS
escuadra	FWA00032	8
junta exterior marco	FWJ00007	2B+2H
junta interior hoja	FWJ00007	2B+2H
junta exterior acristalamiento	FWJ00007	2B+2H
junta cuña interior	FWJ0000x	2B+2H
deflector desagüe con lamina	FWA00039	2



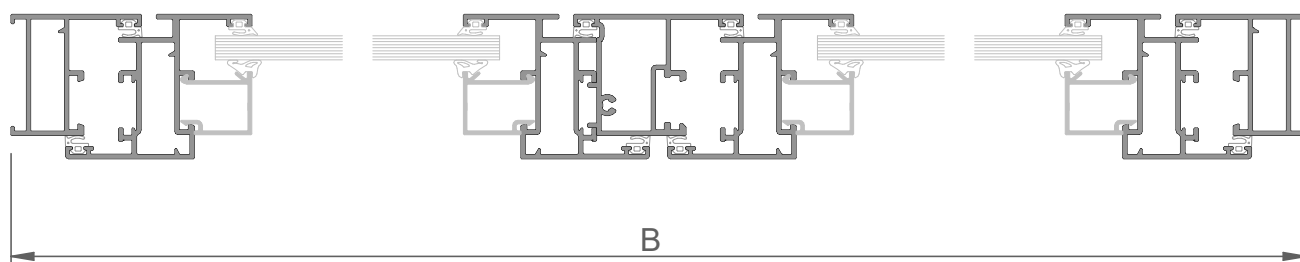
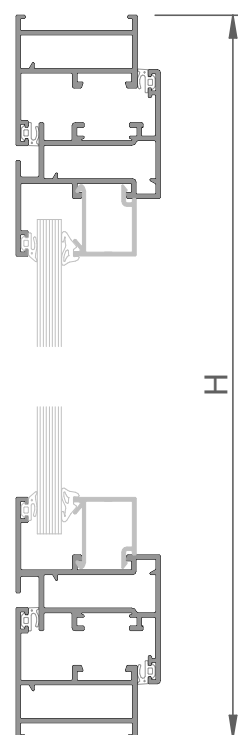
Fórmulas de corte

2 hojas apertura interior



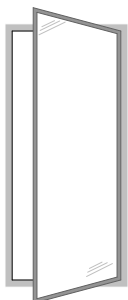
FÓRMULAS DE CORTE					
PERFIL	DESCRIPCIÓN	REF.	UDS	FORMA	FÓRMULA
MARCO					
	marco horizontal	FWP10001	2		B
	marco vertical	FWP10001	2		H
HOJA					
	hoja horizontal	FWP10002	4		(B-43)/2
	hoja vertical	FWP10002	4		H-37
	inversor	FWP10003	1		H-100
JUNQUILLOS					
	junquillos rectos horizontales	FWP00001	4		(B-213)/2
	junquillos rectos verticales	FWP00001	4		H-160
VIDRIOS					
	vidrio		2		(B-240)/2 x H-135

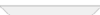
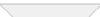
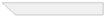
ACCESORIOS		
	REF.	UDS
escuadra	FWA00032	12
juego tapa inversor	FWA00045	1
junta exterior marco	FWJ00007	2B+2H
junta interior hoja	FWJ00007	2B+4H
junta exterior acristalamiento	FWJ00007	2B+4H
junta inversor	FWJ00007	2H
junta cuña interior	FWJ0000x	2B+4H
deflector desagüe con lamina	FWA00039	2



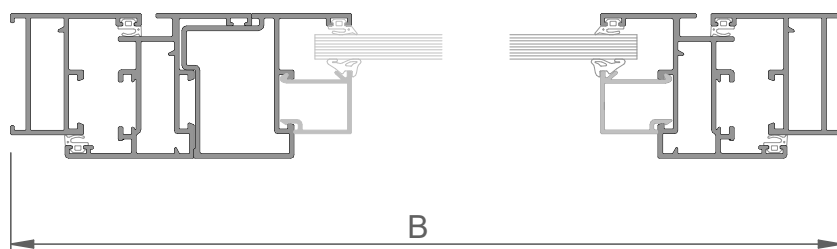
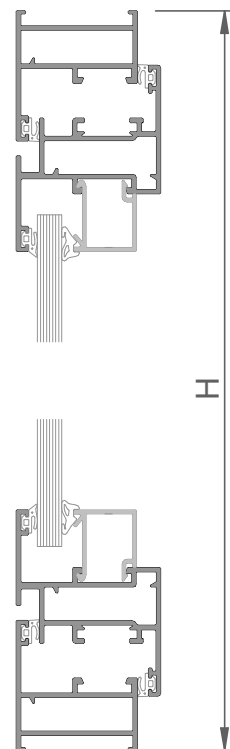
Fórmulas de corte

1 hoja apertura interior complemento cerradura



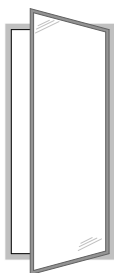
FÓRMULAS DE CORTE					
PERFIL	DESCRIPCIÓN	REF.	UDS	FORMA	FÓRMULA
MARCO					
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	marco vertical	FWP10001	2		H
HOJA					
	hoja horizontal	FWP10002	2		B-37
	hoja vertical	FWP10002	2		H-37
COMPLEMENTOS					
	anexo cerradura	FWP10004	1		H-112
JUNQUILLOS					
	junquillos rectos horizontales	FWP00001	2		B-155
	junquillos rectos verticales	FWP00001	2		H-160
VIDRIOS					
	vidrio		1		B-168 x H-135

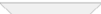
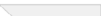
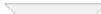
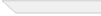
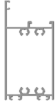
ACCESORIOS		
	REF.	UDS
escuadra	FWA00032	8
junta exterior marco	FWJ00007	2B+2H
junta interior hoja	FWJ00007	2B+2H
junta exterior acristalamiento	FWJ00007	2B+2H
junta cuña interior	FWJ0000x	2B+2H
deflector desagüe con lamina	FWA00039	2
cerradura 1 punto	FWA00023	1
bisagras	FWA00011	3
manubrio	FWM00006	1
cilindro llave	FWA0002x	1



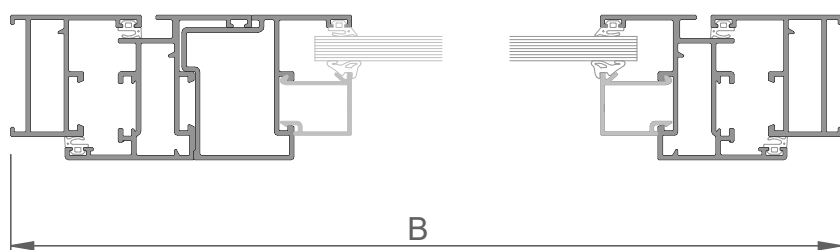
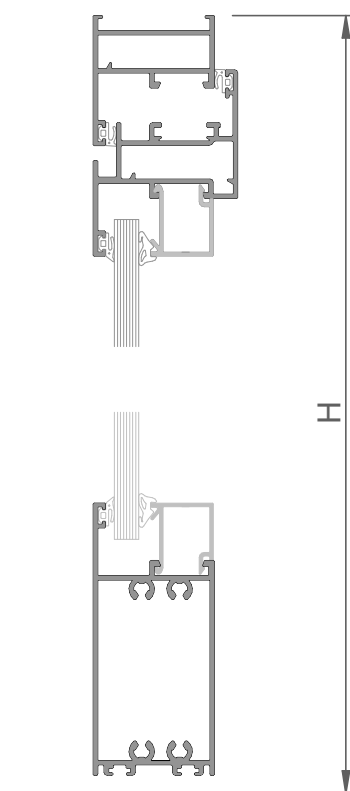
Fórmulas de corte

1 hoja apertura interior cerradura y zócalo



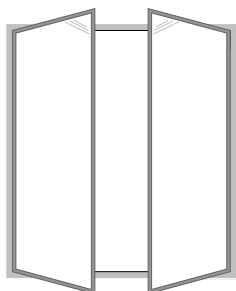
FÓRMULAS DE CORTE					
PERFIL	DESCRIPCIÓN	REF.	UDS	FORMA	FÓRMULA
MARCO					
	marco horizontal	FWP10001	1		B
	marco vertical	FWP10001	2		H
HOJA					
	hoja horizontal	FWP10002	1		B-37
	hoja vertical	FWP10002	2		H-24
COMPLEMENTOS					
	anexo cerradura	FWP10004	1		H-128
	zócalo	FWP10007	1		B-112
JUNQUILLOS					
	junquillos rectos horizontales	FWP00001	2		B-155
	junquillos rectos verticales	FWP00001	2		H-176
VIDRIOS					
	vidrio		1		B-168 x H-152

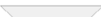
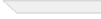
ACCESORIOS		
	REF.	UDS
escuadra	FWA00032	4
junta exterior marco	FWJ00007	1B+2H
junta interior hoja	FWJ00007	1B+2H
junta exterior acristalamiento	FWJ00007	2B+2H
junta cuña interior	FWJ0000x	2B+2H
felpa inferior zócalo	FWJ00001	2B
cerradura 1 punto	FWA00023	1
bisagras	FWA00011	3
manubrio	FWM00006	1
cilindro llave	FWA0002x	1



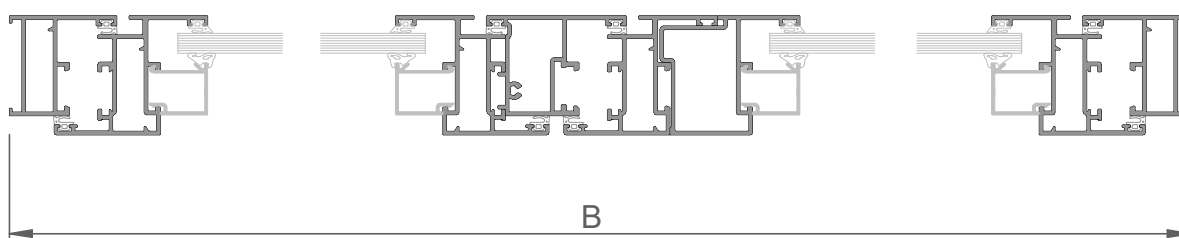
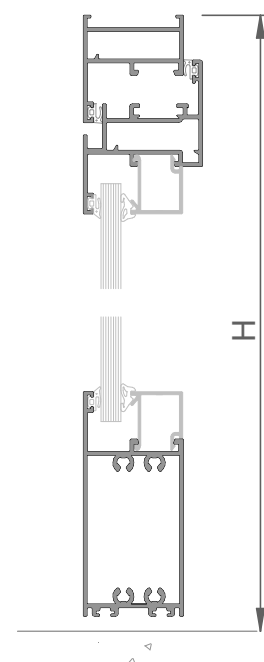
Fórmulas de corte

2 hojas apertura interior cerradura y zócalo



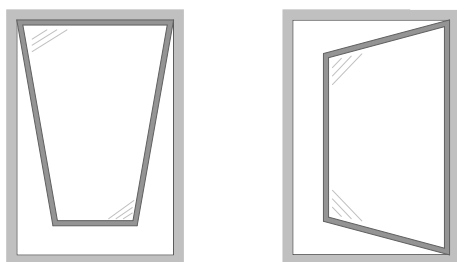
FÓRMULAS DE CORTE					
PERFIL	DESCRIPCIÓN	REF.	UDS	FORMA	FÓRMULA
MARCO					
	marco horizontal	FWP10001	1		B
	marco vertical	FWP10001	2		H
HOJA					
	hoja horizontal	FWP10002	2		(B-43)/2
	hoja vertical	FWP10002	4		H-24
	inversor	FWP10003	1		H-56
COMPLEMENTOS					
	anexo cerradura	FWP10004	1		H-128
	zócalo	FWP10007	2		(B-225)/2
JUNQUILLOS					
	junquillos rectos horizontales	FWP00001	4		(B-245)/2
	junquillos rectos verticales	FWP00001	4		H-176
VIDRIOS					
	vidrio		2		(B-273)/2 x H-152

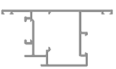
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escuadra	FWA00032	6
junta exterior marco	FWJ00007	1B+2H
junta interior hoja	FWJ00007	1B+4H
junta inversor	FWJ00007	2H
junta exterior acristalamiento	FWJ00007	2B+4H
junta cuña interior	FWJ0000x	2B+4H
juego tapon inversor	FWA00045	1
felpa inferior zócalo	FWJ00001	2B
cerradura 1 punto	FWA00023	1
bisagras	FWA00011	6
manubrio	FWM00006	1
cilindro llave	FWA0002x	1
pasador segunda hoja	FWA00024	2
cerradero pasador	FWA00025	2



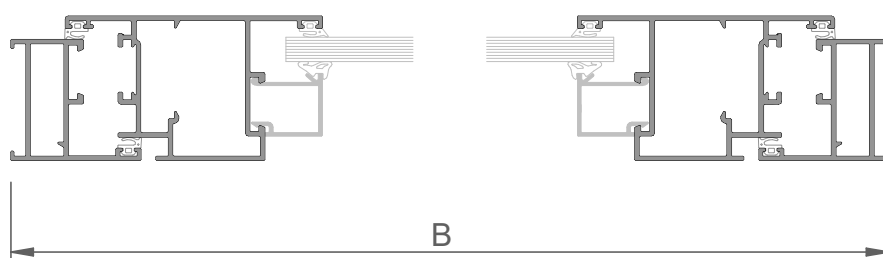
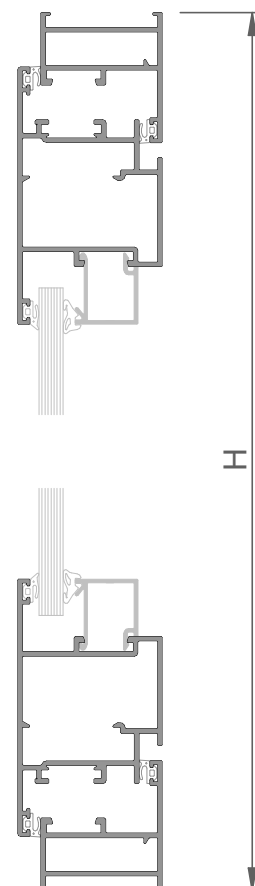
Fórmulas de corte

1 hoja apertura exterior



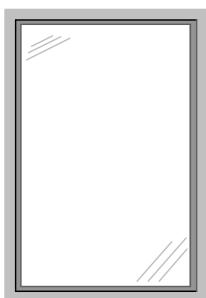
FÓRMULAS DE CORTE					
PERFIL	DESCRIPCIÓN	REF.	UDS	FORMA	FÓRMULA
MARCO					
	marco horizontal	FWP10001	2		B
	marco vertical	FWP10001	2		H
HOJA					
	hoja horizontal	FWP10006	2		B-38
	hoja vertical	FWP10006	2		H-38
JUNQUILLOS					
	junquillos rectos horizontales	FWP00001	2		B-171
	junquillos rectos verticales	FWP00001	2		H-209
VIDRIOS					
	vidrio		1		B-184 x H-184

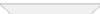
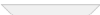
ACCESORIOS		
	REF.	UDS
escuadra	FWA00032	8
junta interior marco	FWJ00007	2B+2H
junta exterior hoja	FWJ00007	2B+2H
junta exterior acristalamiento	FWJ00007	2B+2H
junta cuña interior	FWJ0000x	2B+2H
compas	FWA0004x	1
maniobra apertura exterior	FWxxxxxx	1



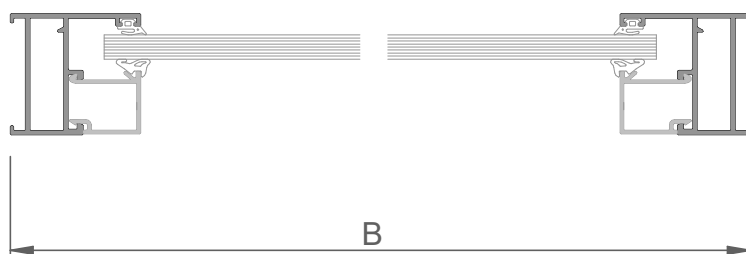
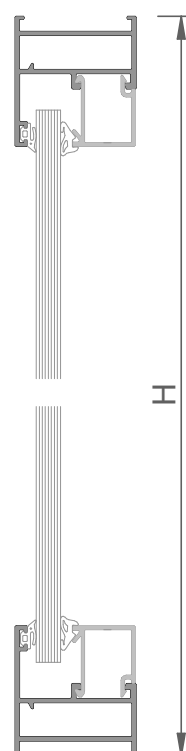
Fórmulas de corte

1 fijo



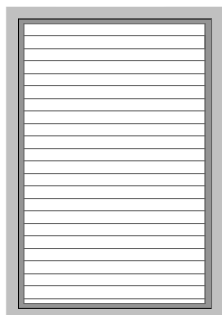
FÓRMULAS DE CORTE					
PERFIL	DESCRIPCIÓN	REF.	UDS	FORMA	FÓRMULA
MARCO					
	marco horizontal	FWP10001	2		B
	marco vertical	FWP10001	2		H
JUNQUILLOS					
	junquillos rectos horizontales	FWP00001	2		B-49
	junquillos rectos verticales	FWP00001	2		H-87
VIDRIOS					
	vidrio	-	1		B-62 x H-62

ACCESORIOS		
	REF.	UDS
escuadra	FWA00032	4
junta exterior marco	FWJ00007	2B+2H
junta cuña interior	FWJ0000x	2B+2H
deflector desagüe con lamina	FWA00039	2



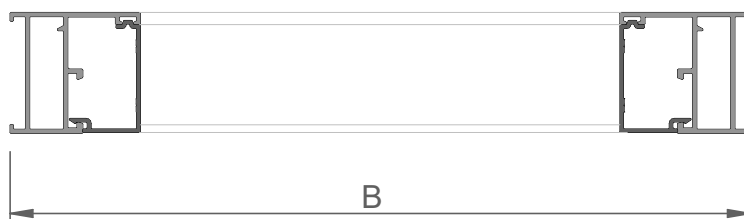
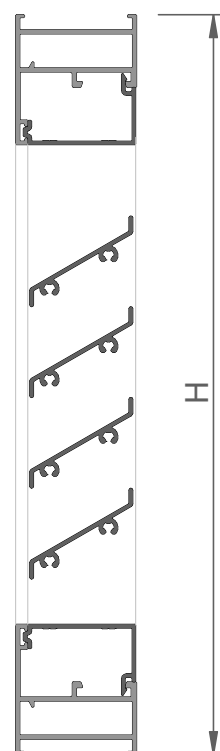
Fórmulas de corte

1 fijo con celosía



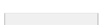
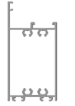
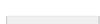
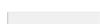
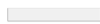
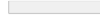
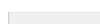
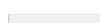
FÓRMULAS DE CORTE					
PERFIL	DESCRIPCIÓN	REF.	UDS	FORMA	FÓRMULA
MARCO					
	marco horizontal	FWP10001	2		B
	marco vertical	FWP10001	2		H
VENTILACION					
	perfil celosía ventilación horizontales	FWP10008	2		B-49
	perfil celosía ventilación verticales	FWP10008	2		H-87
	Lamas	FWP10009	*		B-87

ACCESORIOS		
	REF.	UDS
escuadra	FWA00032	4

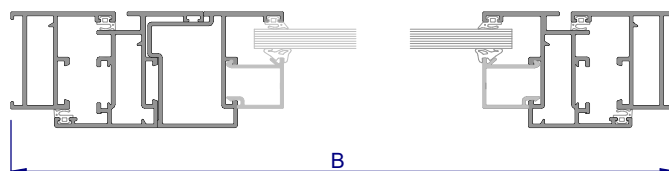
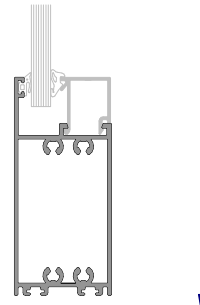
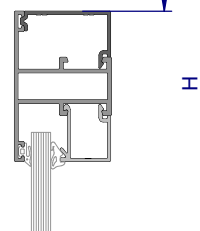
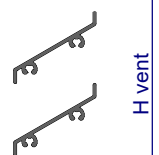
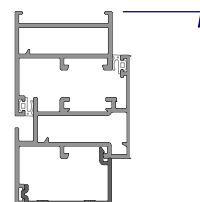
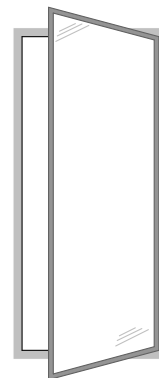


Fórmulas de corte

1 hoja puerta con ventilacion

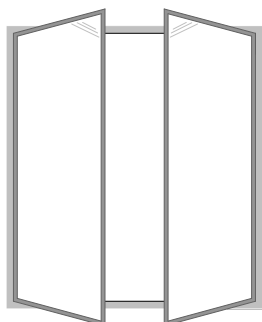
FÓRMULAS DE CORTE					
PERFIL	DESCRIPCIÓN	REF.	UDS	FORMA	FÓRMULA
MARCO					
	marco horizontal	FWP10001	1		B
	marco vertical	FWP10001	2		H
HOJA					
	hoja horizontal	FWP10002	1		B-37
	hoja vertical	FWP10002	2		H-24
COMPLEMENTOS					
	anexo cerradura	FWP10004	1		H-Hvent-190
	zócalo	FWP10007	1		B-112
	travesaño	FWP10005	1		B-112
JUNQUILLOS					
	junquillos rectos horizontales	FWP00001	2		B-155
	junquillos rectos verticales	FWP00001	2		H-Hvent-239
VENTILACION					
	perfil celosia ventilación horizontales	FWP10008	2		B-160
	perfil celosia ventilación verticales	FWP10008	2		Hvent+37
	Lamas	FWP10009	*		B-160
VIDRIOS					
	vidrio		1		B-168 x H-Hvent-213

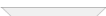
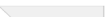
ACCESORIOS		
	REF.	UDS
escuadra	FWA00032	8
junta exterior marco	FWJ00007	1B+2H
junta interior hoja	FWJ00007	1B+2H
junta exterior acristalamiento	FWJ00007	2B+2H
junta cuña interior	FWJ0000x	2B+2H
felpa inferior zócalo	FWJ00001	2B
cerradura 1 punto	FWA00023	1
bisagras	FWA00011	3
manubrio	FWM00006	1
cilindro llave	FWA000xx	1
cerradura 1 punto	FWA00023	1
escuadra de alineacion practicable	FWA00037	8
unión travesaño	FWA00034	2



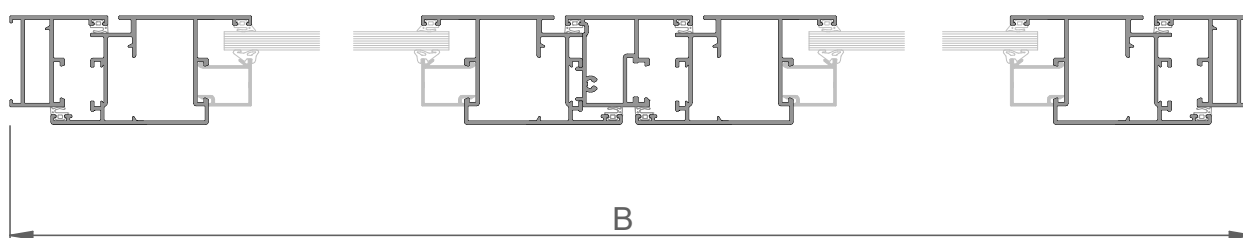
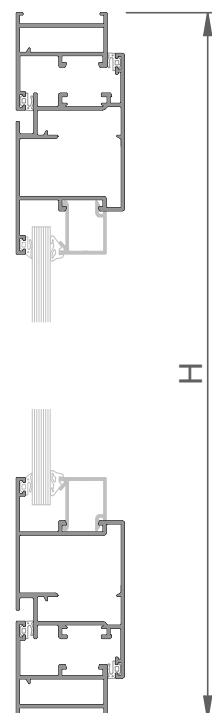
Fórmulas de corte

2 hojas apertura interior - marco perimetral



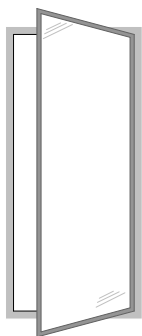
FÓRMULAS DE CORTE					
PERFIL	DESCRIPCIÓN	REF.	UDS	FORMA	FÓRMULA
MARCO					
	marco horizontal	FWP10001	2		B
	marco vertical	FWP10001	2		H
HOJA					
	hoja horizontal	FWP10002	2		(B-43)/2
	hoja vertical	FWP10002	4		H-37
	inversor	FWP10003	1		H-100
JUNQUILLOS					
	junquillos rectos horizontales	FWP00001	4		(B-320)/2
	junquillos rectos verticales	FWP00001	4		H-213
VIDRIOS					
	vidrio		2		(B-348)/2 x H-189

ACCESORIOS		
	REF.	UDS
escuadra	FWA00032	12
juego tapa inversor	FWA00045	1
junta exterior marco	FWJ00007	2B+2H
junta interior hoja	FWJ00007	2B+4H
junta exterior acristalamiento	FWJ00007	2B+4H
junta inversor	FWJ00007	2H
junta cuña interior	FWJ0000x	2B+4H
deflector desagüe con lamina	FWA00039	2

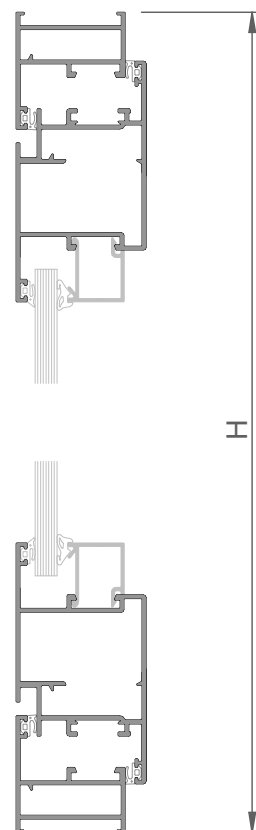


Fórmulas de corte

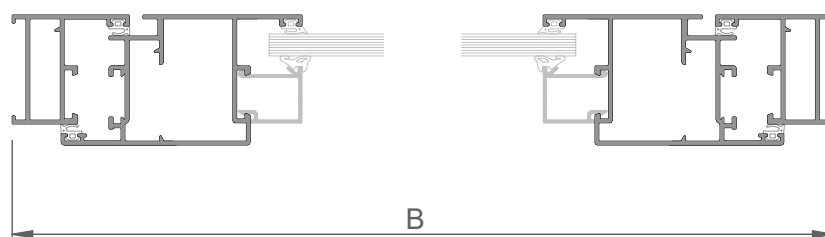
1 hoja apertura exterior - marco perimetral



FÓRMULAS DE CORTE					
PERFIL	DESCRIPCIÓN	REF.	UDS	FORMA	FÓRMULA
MARCO					
	marco horizontal	FWP10001	2		B
	marco vertical	FWP10001	2		H
HOJA					
	hoja horizontal	FWP10010	2		B-37
	hoja vertical	FWP10010	2		H-37
JUNQUILLOS					
	junquillos rectos horizontales	FWP00001	2		B-189
	junquillos rectos verticales	FWP00001	2		H-213
VIDRIOS					
	vidrio		1		B-189 x H-189

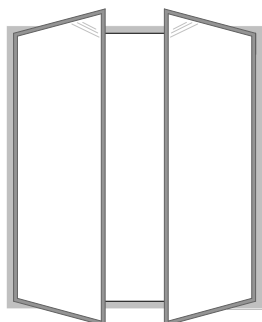


ACCESORIOS		
	REF.	UDS
escuadra	FWA00032	8
junta exterior marco	FWJ00007	2B+2H
junta interior hoja	FWJ00007	2B+2H
junta exterior acristalamiento	FWJ00007	2B+2H
junta cuña interior	FWJ0000x	2B+2H
deflector desagüe con lamina	FWA00039	2
cerradura 1 punto	FWA00023	1
bisagras	FWA00011	3
manubrio	FWM00006	1
cilindro llave	FWA0002x	1

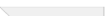
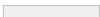
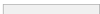
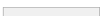


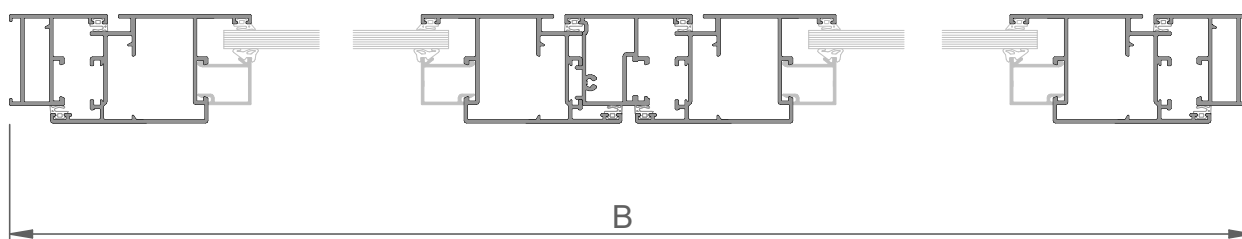
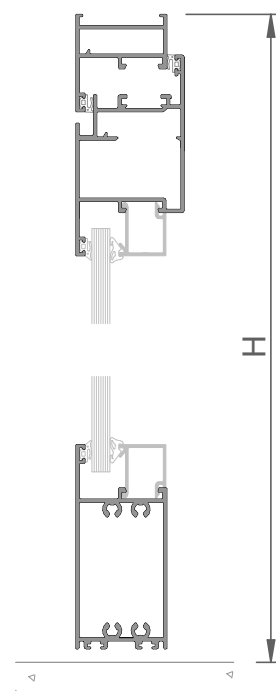
Fórmulas de corte

2 hojas apertura interior - zócalo



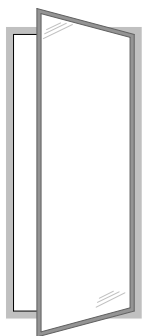
ACCESORIOS		
	REF.	UDS
escuadra	FWA00032	6
junta exterior marco	FWJ00007	1B+2H
junta interior hoja	FWJ00007	1B+4H
junta inversor	FWJ00007	2H
junta exterior acristalamiento	FWJ00007	2B+4H
junta cuña interior	FWJ0000x	2B+4H
juego tapon inversor	FWA00045	1
felpa inferior zócalo	FWJ00001	2B
cerradura 1 punto	FWA00023	1
bisagras	FWA00011	6
manubrio	FWM00006	1
cilindro llave	FWA0002x	1
pasador segunda hoja	FWA00024	2
cerradero pasador	FWA00025	2

FÓRMULAS DE CORTE					
PERFIL	DESCRIPCIÓN	REF.	UDS	FORMA	FÓRMULA
MARCO					
	marco horizontal	FWP10001	2		B
	marco vertical	FWP10001	2		H
HOJA					
	hoja horizontal	FWP10002	2		(B-43)/2
	hoja vertical	FWP10002	4		H-37
	inversor	FWP10003	1		H-100
JUNQUILLOS					
	junquillos rectos horizontales	FWP00001	4		(B-320)/2
	junquillos rectos verticales	FWP00001	4		H-213
VIDRIOS					
	vidrio		2		(B-348)/2 x H-189



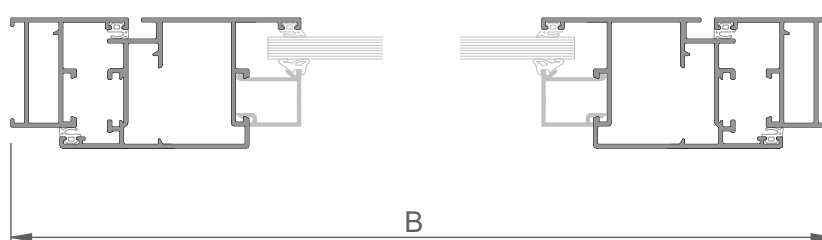
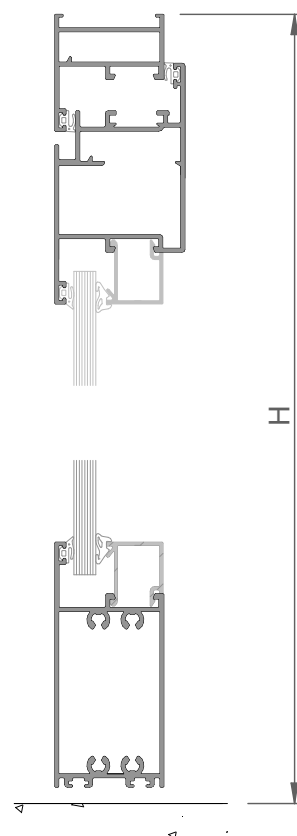
Fórmulas de corte

1 hoja apertura exterior - zócalo



ACCESORIOS		
	REF.	UDS
escuadra	FWA00032	4
junta exterior marco	FWJ00007	1B+2H
junta interior hoja	FWJ00007	1B+2H
junta exterior acristalamiento	FWJ00007	2B+2H
junta cuña interior	FWJ0000x	2B+2H
felpa inferior zócalo	FWJ00001	2B
cerradura 1 punto	FWA00023	1
bisagras	FWA00011	3
manubrio	FWM00006	1
cilindro llave	FWA0002x	1

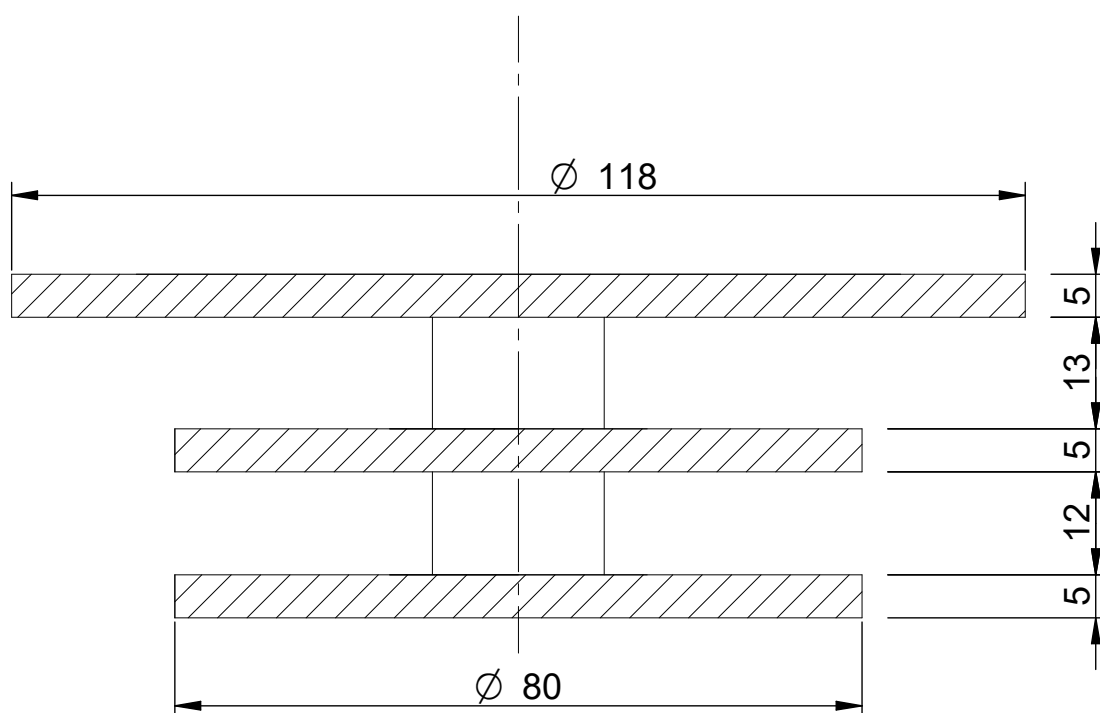
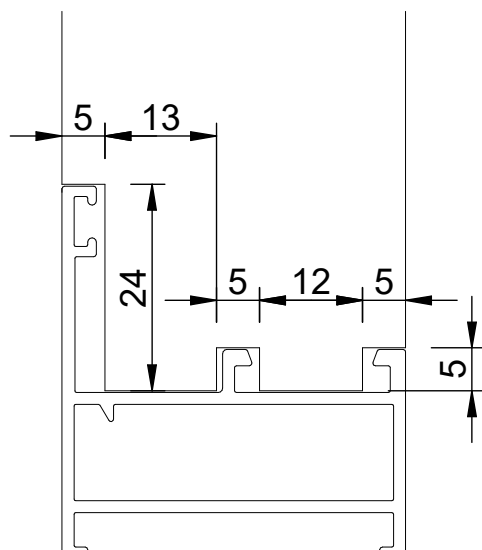
FÓRMULAS DE CORTE					
PERFIL	DESCRIPCIÓN	REF.	UDS	FORMA	FÓRMULA
MARCO					
	marco horizontal	FWP10001	1		B
	marco vertical	FWP10001	2		H
HOJA					
	hoja horizontal	FWP10010	1		B-37
	hoja vertical	FWP10010	2		H-24
COMPLEMENTOS					
	zócalo	FWP10007	1		B-165
JUNQUILLOS					
	junquillos rectos horizontales	FWP00001	2		B-202
	junquillos rectos verticales	FWP00001	2		H-176
VIDRIOS					
	vidrio		1		B-189 x H-179





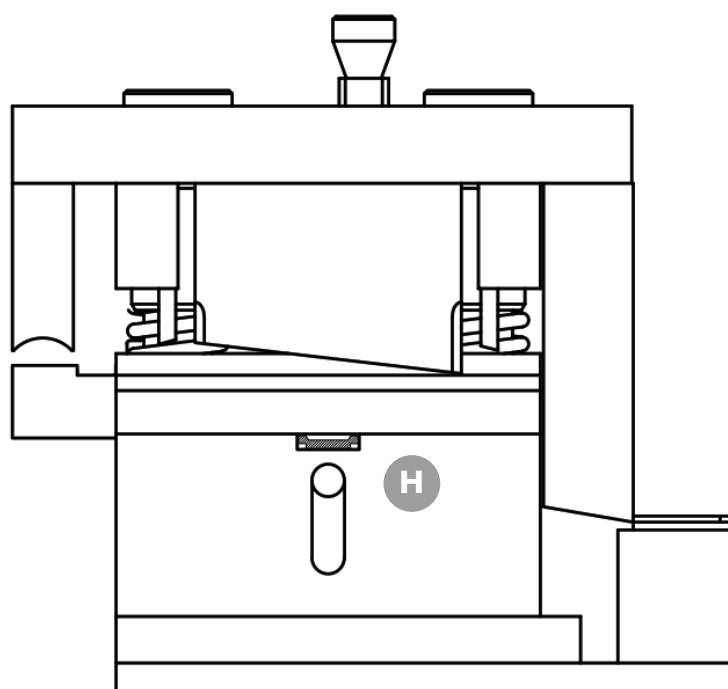
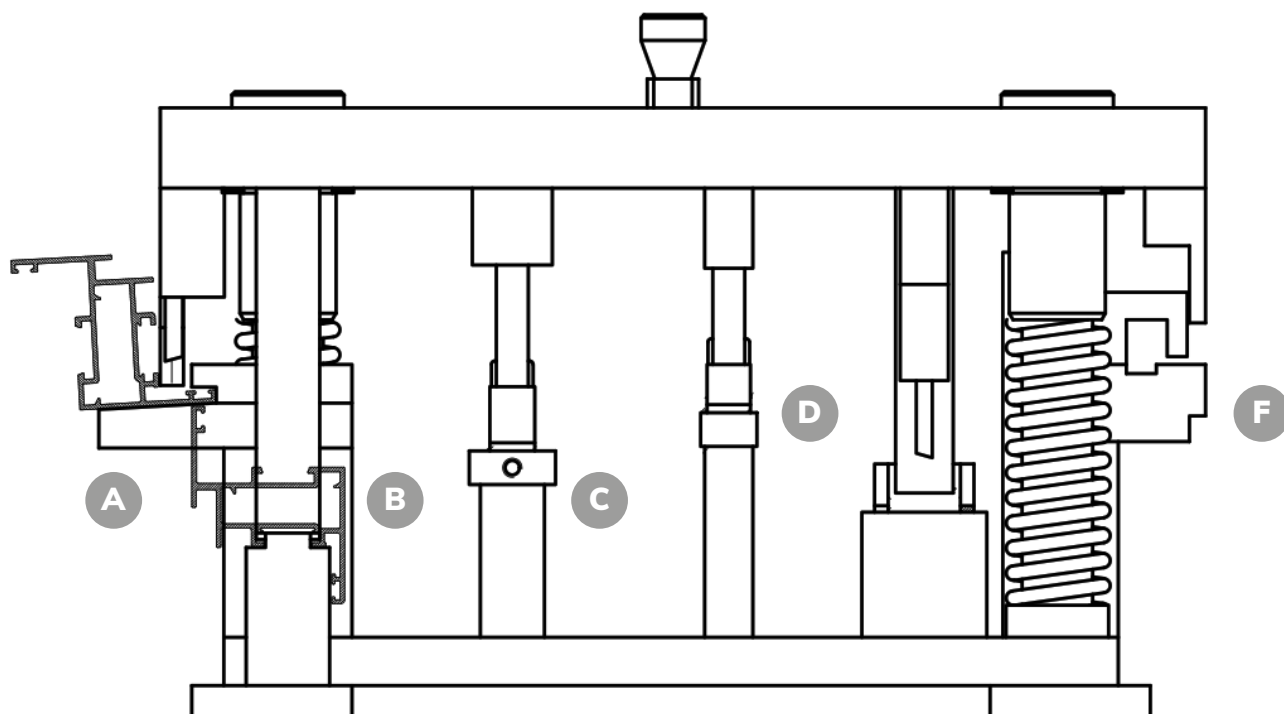
Mecanizados

Fresa FWF00001 - Travesaño y zócalo



Mecanizados

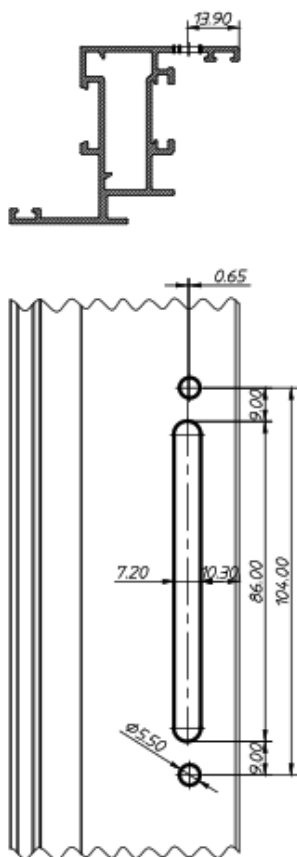
Troquel FWT00001



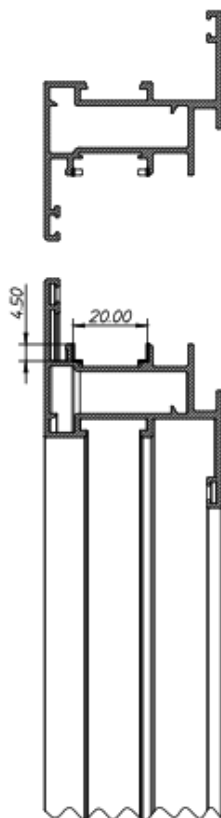
Mecanizados

Mecanizados troquel FWT00001

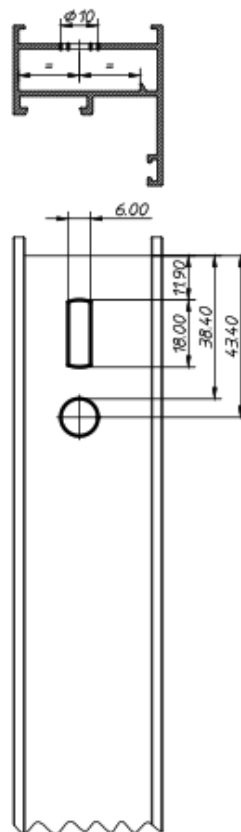
A Operación maneta
OB y Practicable



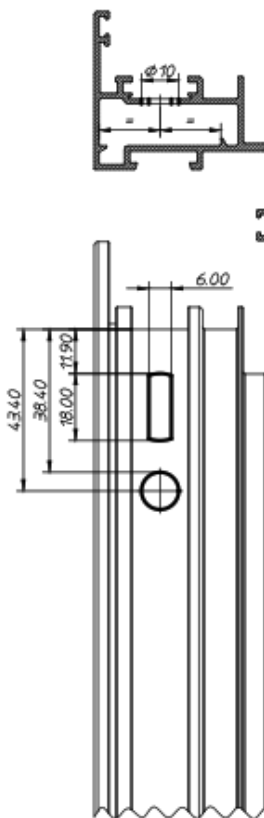
B Operación
despunte hoja
pletina



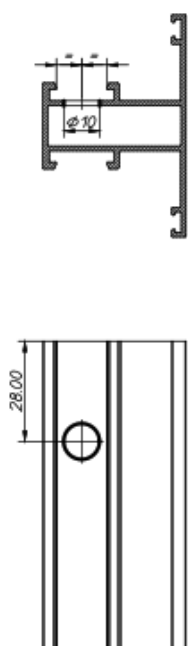
C Operación
escuadra marco
practicable



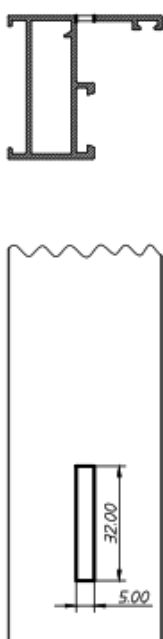
C Operación
escuadra hoja
practicable



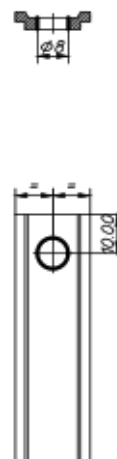
D Operación
travesaño



F Operación
desagüe



H Operación
pletina





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Oficinas Centrales

Calle Los Telares 289,
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Showroom Lima

Calle Los Telares 289,
Urb. Vulcano, Ate, Lima, Perú

(+51) 01 9002602
contacto@fairwindows.pe

Showroom Arequipa

Av. Independencia 1244, 2° piso,
Arequipa, Perú

(+51) 959 604 480
scuadros@ventanaswindows.com



Número
de licencia 3412



Número
de licencia 2704

Oficina Trujillo

Prol. Huallaga 346-A, Urb.
Palermo, Trujillo, Perú

981 287 352
Carla.valverde@rimacglass.pe

Showroom Chimbote

Av. Argentina Mz o'4 Lt 18,
Nuevo Chimbote 02711. Perú

(+51) 926 799 623
Jchavarria@corporacionalutec.com