



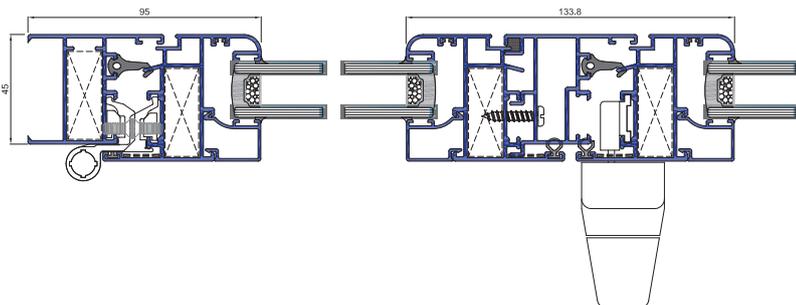
extrugasa

soluciones en aluminio para la arquitectura moderna

Serie V-8000 de 45



Abatible fría de reducido tamaño con 45 mm de marco, de gama media. Proporciona un buen comportamiento estructural para ventanas de dimensiones estándares y estructuras medianas y grandes. Su interés radica en la multitud de posibilidades de montajes y a un bajo coste debido a sus dimensiones. Dispone de marcos, hojas y zancas de puerta. La serie es de lo más completa, pudiendo adaptarse a todo tipo de herrajes de Canal Europeo.



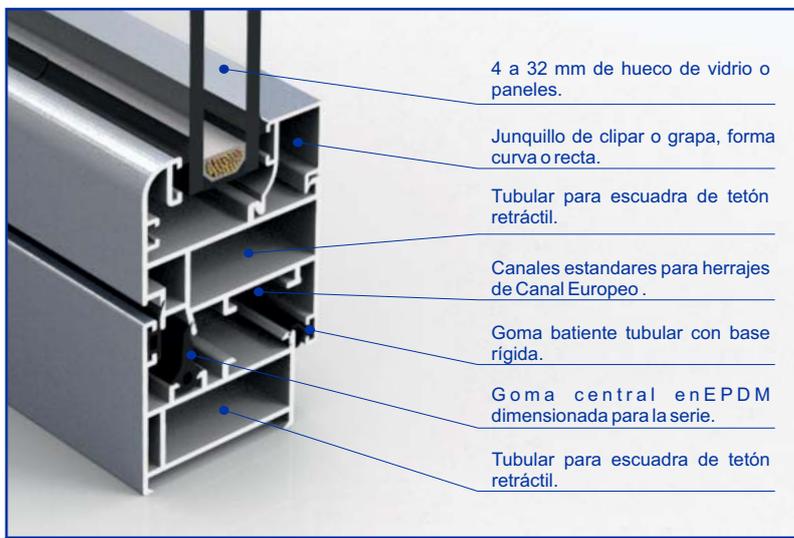
Geometría serie

Marco 45 mm
Hojas 52 mm
Espesor 1,5 mm
Marco con solape
Hojas apertura exterior
Inversor de junquillo

Condensación+alargadera
Esquineros y unión de marcos
Vierteaguas y zócalos
Escuadras: tetón retráctil o vértice y alineamiento

Acristalamiento

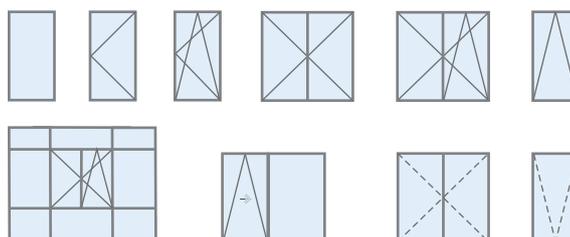
Vidrios o paneles máximo: 32 mm
Monolítico, doble o triple vidrio.



Dimensiones máximas

Ancho = 1600 mm
Alto = 1800 mm

Diseños posibles



combinación de ventana y fijos
apertura interior
1 o 2 hojas practicables
1 hoja abatible superior
oscilobatiente de 1 o 2 hojas
osciloparalela y corrugable
apertura exterior
1 o 2 hojas practicables
1 hoja proyectante

Peso máximo/hoja



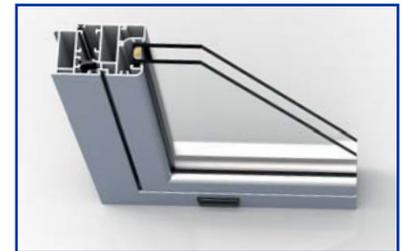
Aislamiento acústico:

Ensayo de referencia ventana de 2 hojas 1420 x 1900 mm

Ensayo según norma UNE-EN ISO 140-3:1995

	Rw	(Ca,Ctr)	Ra
 4-12-4	33 dB	(-1,-3)	32,5 ± 0,9 dBA

Rw: Índice de Reducción Sonora Ca: Corrección a Ruido Rosa Ctr: Corrección a Ruido de Tráfico Ra: Índice de aislamiento a Ruido Aéreo
Incertidumbre asociada a Rw: ± 2dB

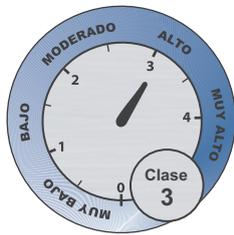


Dimensiones máximas ventana 2 h:
ancho L : 1600 mm
alto H : 1800 mm
Peso máximo/hoja: 90 kg
Vidrio de espesor máximo: 32 mm

Ensayos de comportamiento a factores externos:

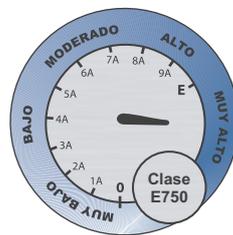
Ensayos de referencia ventana de 2 hojas oscilo-batientes 1400 x 1900 mm, vidrio 4-12-4

Permeabilidad al Aire



Ensayo según norma UNE-EN 1026:2000
Clasificación según norma UNE-EN 12207:2000

Estanqueidad al Agua



Ensayo según norma UNE-EN 1027:2000
Clasificación según norma UNE-EN 12208:2000

Resistencia al Viento

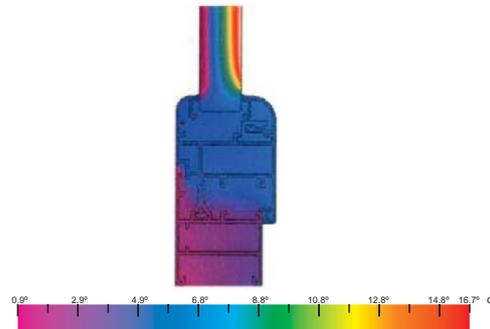


Ensayo según norma UNE-EN 12211:2000
Clasificación según norma UNE-EN 12210:2000
y norma UNE-EN 12210/AC:2000

Transmisión térmica:

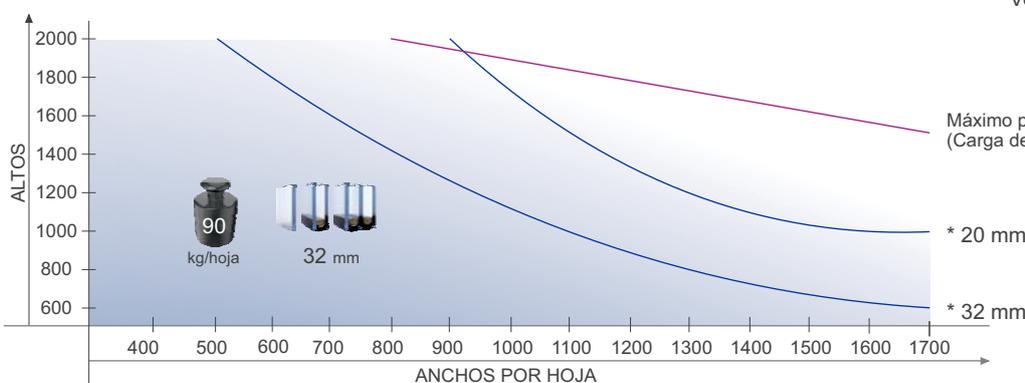
	Ug (W/m²K)	ancho x alto (mm)	Uw (W/m²K)
4-12 aire-6 	2,8	1200 x 1400	4,45
		1400 x 1700	4,25
		1700 x 1880	4,23
4-12 aire-6 	1,9	1200 x 1400	3,96
		1400 x 1700	3,70
		1700 x 1880	3,66
4-16 argón-6 bajo emisor 	1,1	1200 x 1400	3,57
		1400 x 1700	3,25
		1700 x 1880	3,20

Ventana de 2 hojas



Ensayo según norma UNE-EN ISO 10077-2:2008
y norma UNE-EN ISO 10077:2001

Tabla orientativa de dimensiones en función del peso, dimensión y carga de viento:



Capacidad de soportar los dispositivos de seguridad:

Resultado → APTO

Ventana de 2 hojas oscilo-batiente de dimensiones 1400 x 1715 mm

Según Norma UNE-EN 14609:2004

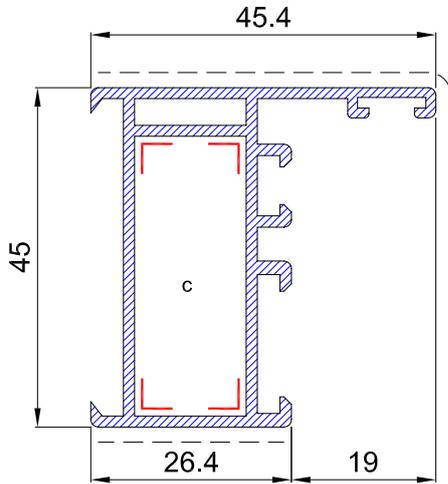
Los valores indicados en estas tablas no se garantizan si no se han seguido las directrices de fabricación y usado productos suministrados por Extrugasa

Frames

Marcos

8015

45 x 45.4 mm frame



Marco de 45 x 45.4 mm

Ref.: 8015

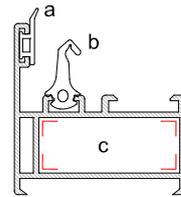
Peso (kg/m): 0.791

Momentos de inercia

Perímetro (mm): 399

Ix (cm4): 7,64

Iy (cm4): 3,37



Accesorios

Montaje

a: A497960B (opcional) (E-312)



Maquina / Manual

b: A497607B (400-D)



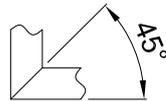
Maquina / Manual

c: A400050B

Ver troquel / Manual

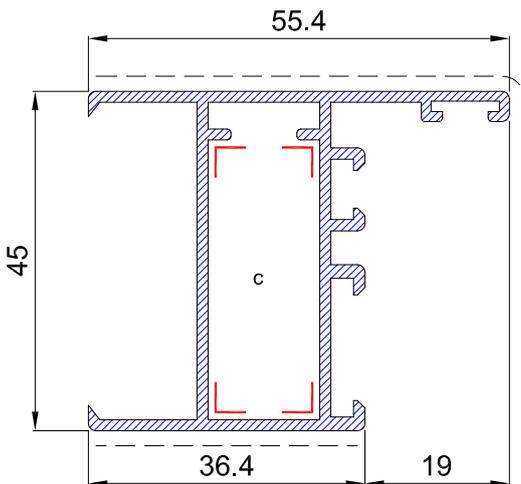
c: A497978B (opcional) (26-3714-C)

Ver troquel / Manual



8052

45 x 55.4 mm frame



Marco de 45 x 55.4 mm

Ref.: 8052

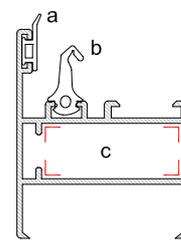
Peso (kg/m): 0.834

Momentos de inercia

Perímetro (mm): 424

Ix (cm4): 8,83

Iy (cm4): 4,78



Accesorios

Montaje

a: A497960B (opcional) (E-312)



Maquina / Manual

b: A497607B (400-D)



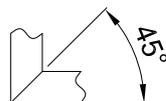
Maquina / Manual

c: A400050B

Ver troquel / Manual

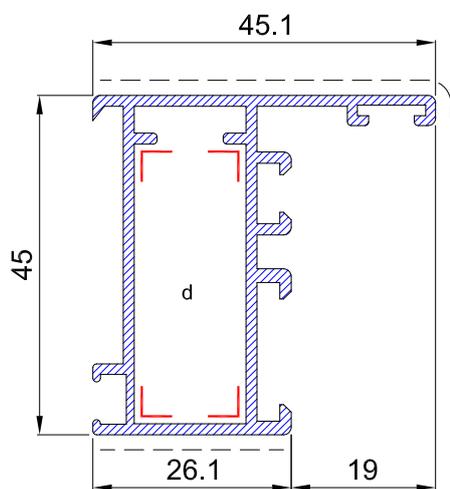
c: A497978B (opcional) (26-3714-C)

Ver troquel / Manual



8195

45 x 45.1 mm frame



Marco de 45 x 45.1 mm

Ref.: 8195

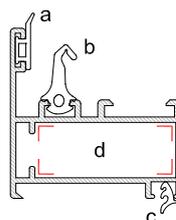
Peso (kg/m): 0.761

Momentos de inercia

Perímetro (mm): 390

Ix (cm4): 7,40

Iy (cm4): 3,40



Accesorios

Montaje

a: A497960B (opcional) (E-312)



Maquina / Manual

b: A497607B (400-D)



Maquina / Manual

c: A497387B (opcional) (E-307/3)



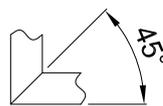
Manual

d: A400050B

Ver troquel / Manual

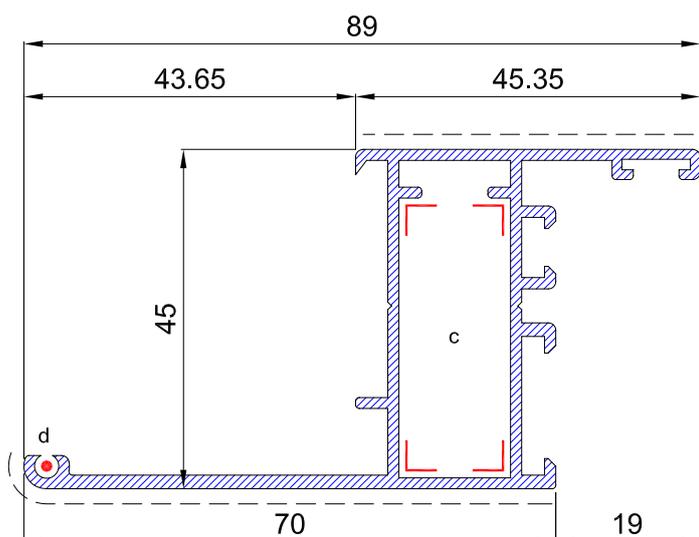
d: A497978B (opcional) (26-3714-C)

Ver troquel / Manual



8180

45 x 89 mm fillet frame



Marco con solape de 45 x 89 mm

Ref.: 8180

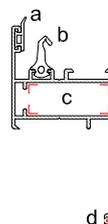
Peso (kg/m): 0.996

Momentos de inercia

Perímetro (mm): 487

Ix (cm4): 11,46

Iy (cm4): 15,26



Accesorios

Montaje

a: A497960B (opcional) (E-312)



Maquina / Manual

b: A497607B (400-D)



Maquina / Manual

c: A400050B

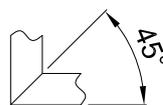
Ver troquel / Manual

c: A497978B (opcional) (26-3714-C)

Ver troquel / Manual

d: A497665B

Manual

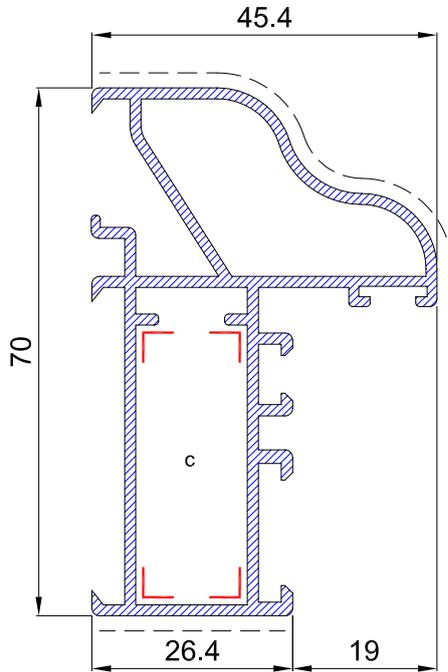


Frames

Marcos

8103

70 x 45.4 mm frame



Marco de 70 x 45.4 mm

Ref.: 8103

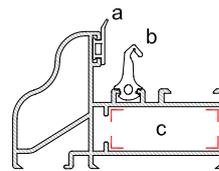
Peso (kg/m): 1.137

Momentos de inercia

Perímetro (mm): 575

I_x (cm⁴): 18,22

I_y (cm⁴): 5,90



Accesorios

Montaje

a: A497960B (opcional) (E-312)



Maquina / Manual

b: A497607B (400-D)



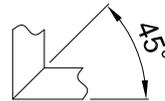
Maquina / Manual

c: A400050B

Ver troquel / Manual

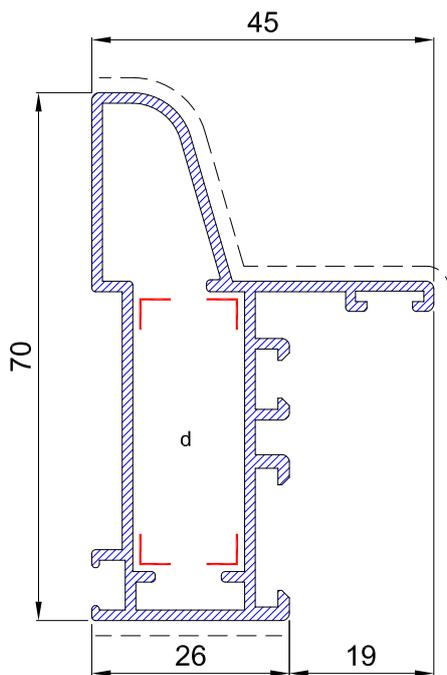
c: A497978B (opcional) (26-3714-C)

Ver troquel / Manual



8153

70 x 45 mm frame



Marco de 70 x 45 mm

Ref.: 8153

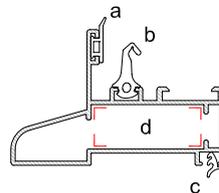
Peso (kg/m): 0.923

Momentos de inercia

Perímetro (mm): 483

I_x (cm⁴): 4,21

I_y (cm⁴): 15



Accesorios

Montaje

a: A497960B (opcional) (E-312)



Maquina / Manual

b: A497607B (400-D)



Maquina / Manual

c: A497387B (opcional) (E-307/3)



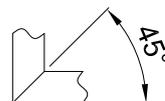
Manual

d: A400050B

Ver troquel / Manual

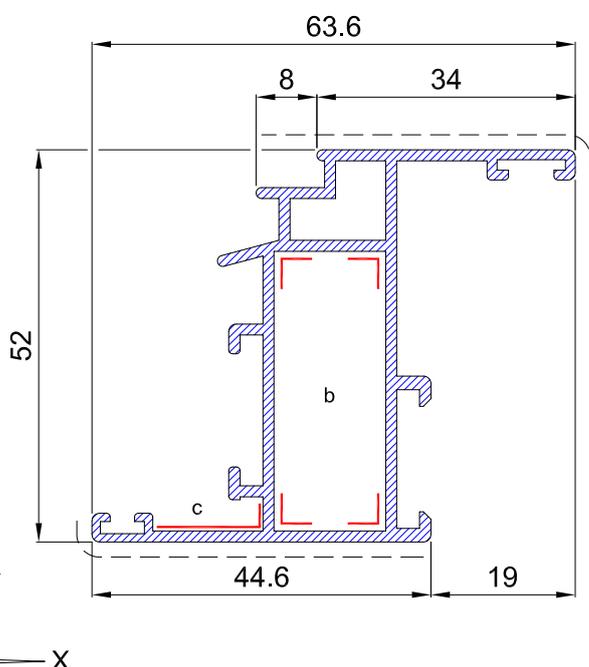
d: A497978B (opcional) (26-3714-C)

Ver troquel / Manual



8016

52 x 63.6 mm sash



Hoja de 52 x 63.6 mm

Ref.: 8016

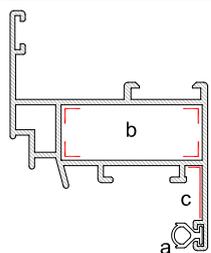
Peso (kg/m): 0.948

Momentos de inercia

Perímetro (mm): 488

Ix (cm4): 12,50

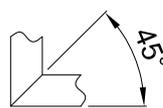
Iy (cm4): 5,78



Accesorios

Montaje

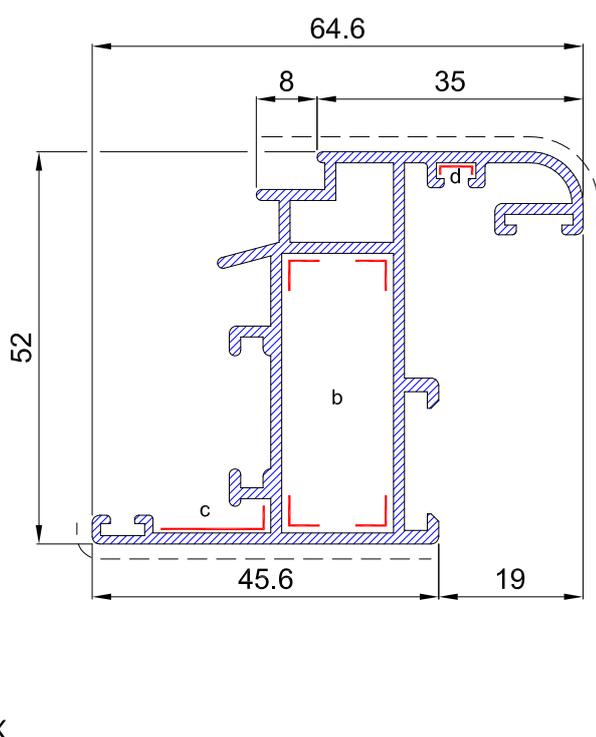
a: A497580B (3553/5)		Maquina / Manual
a: A497117B (opcional) (T-919)		Maquina / Manual
a: A497403B (opcional) (T-926)		Maquina / Manual



b: A400050B	Ver troquel / Manual
b: A497980B (opcional) (26-3714-150)	Ver troquel / Manual
c: A497465B	Manual

8133

52 x 64.6 mm sash



Hoja de 52 x 64.6 mm

Ref.: 8133

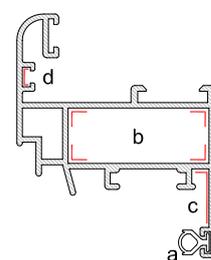
Peso (kg/m): 1.069

Momentos de inercia

Perímetro (mm): 537

Ix (cm4): 13,83

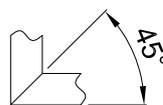
Iy (cm4): 7,99



Accesorios

Montaje

a: A497580B (3553/5)		Maquina / Manual
a: A497117B (opcional) (T-919)		Maquina / Manual
a: A497403B (opcional) (T-926)		Maquina / Manual



b: A400050B	Ver troquel / Manual
b: A497980B (opcional) (26-3714-150)	Ver troquel / Manual
c: A497465B	Manual
d: A497800B (A 103)	Manual

Sashes

Hojas

8077

52 x 66.7 mm outside sash opening

Hoja de apertura exterior de 52 x 66.7 mm

Ref.: 8077

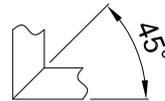
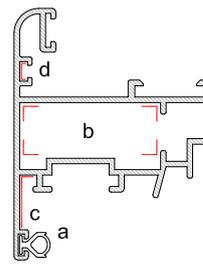
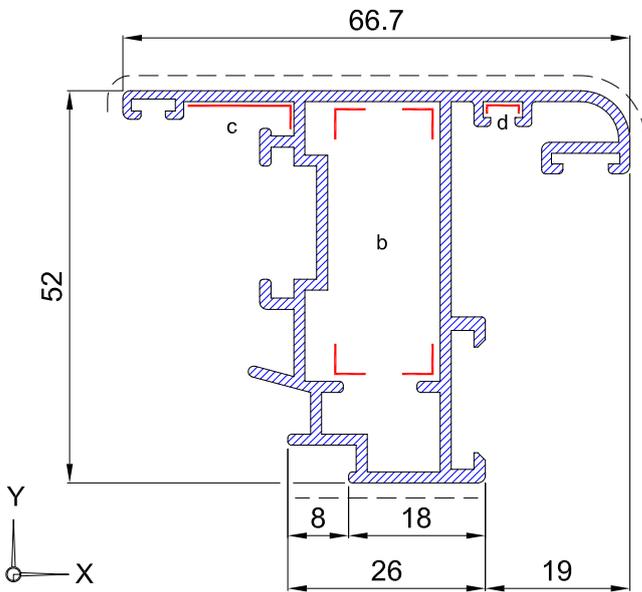
Peso (kg/m): 1.061

Momentos de inercia

Perímetro (mm): 593

Ix (cm4): 12,76

Iy (cm4): 9,01



Accesorios	Montaje
a: A497580B (3553/5)	Maquina / Manual
a: A497117B (opcional) (T-919)	Maquina / Manual
a: A497403B (opcional) (T-926)	Maquina / Manual
b: A400050B	Ver troquel / Manual
b: A497980B (opcional) (26-3714-150)	Ver troquel / Manual
c: A497465B	Manual
d: A497800B (A 103)	Manual

8166

52 x 75 mm sash sliding

Hoja proyectante de 52 x 75 mm

Ref.: 8166

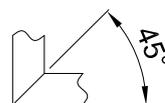
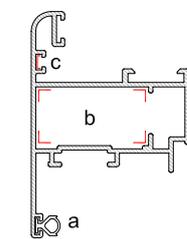
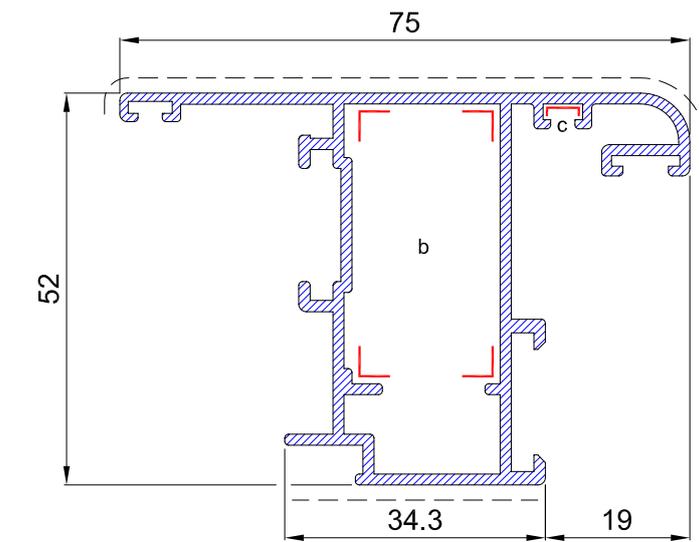
Peso (kg/m): 1.098

Momentos de inercia

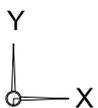
Perímetro (mm): 552

Ix (cm4): 14,01

Iy (cm4): 12,06

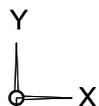
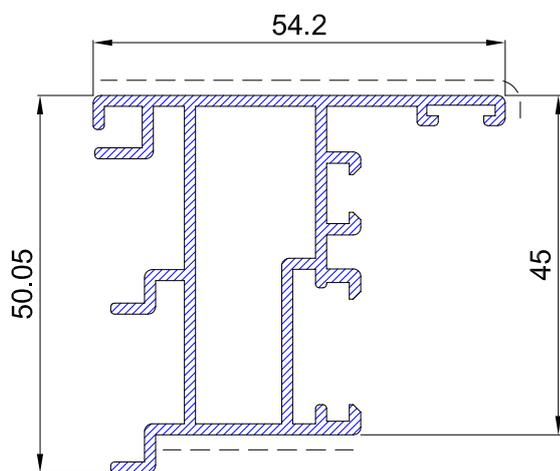


Accesorios	Montaje
a: A497580B (3553/5)	Maquina / Manual
a: A497117B (opcional) (T-919)	Maquina / Manual
a: A497403B (opcional) (T-926)	Maquina / Manual
b: A495143B (0360)	Manual / Ver Ensamblajes
c: A497800B (A 103)	Manual / Ver Ensamblajes



3047

45 x 54.2 mm false mullion



Inversor de 45 x 54.2 mm

Ref.: 3047

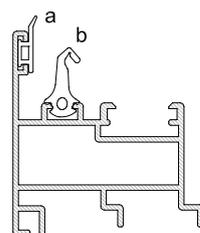
Peso (kg/m): 0.953

Momentos de inercia

Perímetro (mm): 480

Ix (cm4): 9,65

Iy (cm4): 5,75



Accesorios

Montaje

a: A497960B (opcional)
(E-312)

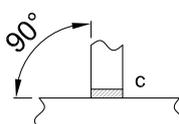


Maquina / Manual

b: A497607B
(400-D)



Maquina / Manual



c: A497715B
(TA0045SC)

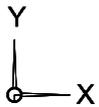
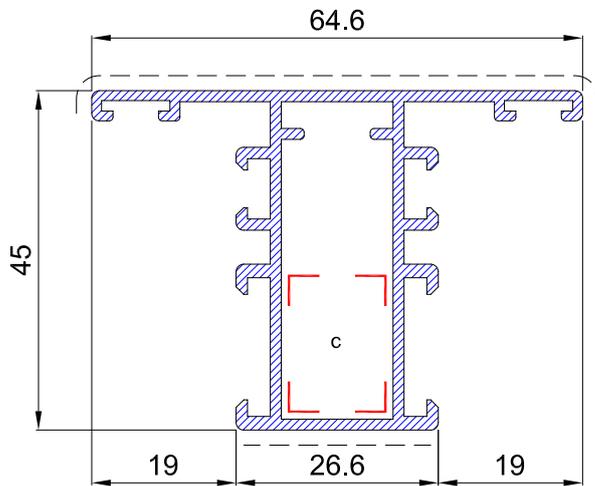
Manual

Mullion

Zanca

8028

45 x 64.6 mm mullion



Zanca de 45 x 64.6 mm

Ref.: 8028

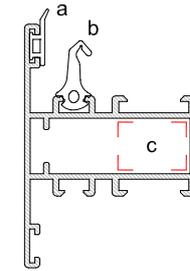
Peso (kg/m): 0.926

Momentos de inercia

Perímetro (mm): 467

Ix (cm4): 8,74

Iy (cm4): 6,37



Accesorios

Montaje

a: A497960B (opcional)
(E-312)



Maquina / Manual

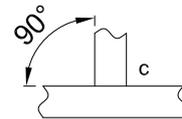
b: A497607B
(400-D)



Maquina / Manual

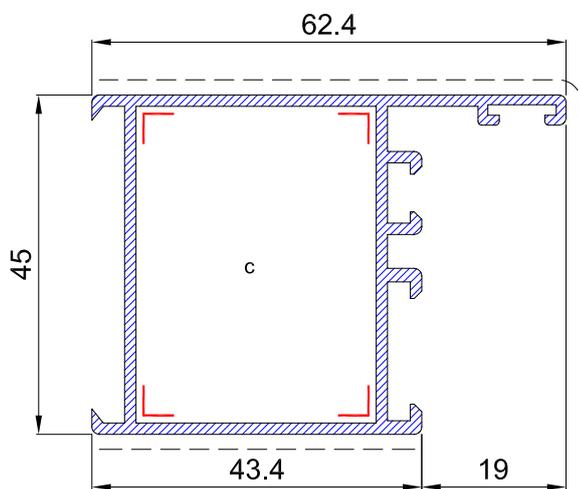
c: A497654B
(1418)

Ver troquel / Manual



8032

45 x 62.4 mm door frame



Marco de puerta de 45 x 62.4 mm

Ref.: 8032

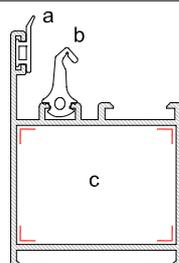
Peso (kg/m): 0.888

Momentos de inercia

Perímetro (mm): 440

Ix (cm4): 9,88

Iy (cm4): 9,76



Accesorios

Montaje

a: A497960B (opcional) (E-312)



Maquina / Manual

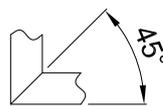
b: A497607B (400-D)



Maquina / Manual

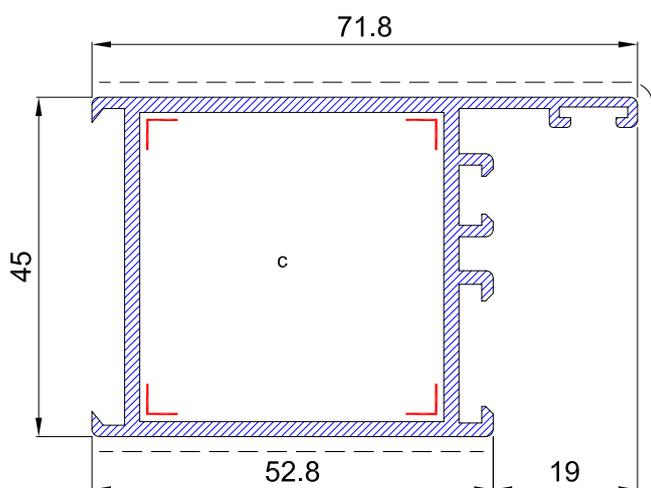
c: A497092B (26-4231-C)

Ver troquel / Manual



8128

45 x 71.8 mm door frame



Marco de puerta de 45 x 71.8 mm

Ref.: 8128

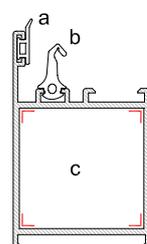
Peso (kg/m): 1.185

Momentos de inercia

Perímetro (mm): 473

Ix (cm4): 13,61

Iy (cm4): 17,75



Accesorios

Montaje

a: A497960B (opcional) (E-312)



Maquina / Manual

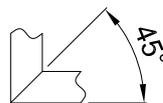
b: A497607B (400-D)



Maquina / Manual

c: A497335B (26-4141-C)

Ver troquel / Manual



Door frame

Marco de puerta

3294

80 x 62.8 mm door frame

Marco de puerta de 80 x 62.8 mm

Ref.: 3294

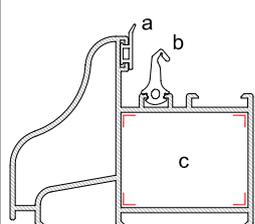
Peso (kg/m): 1.536

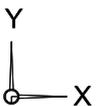
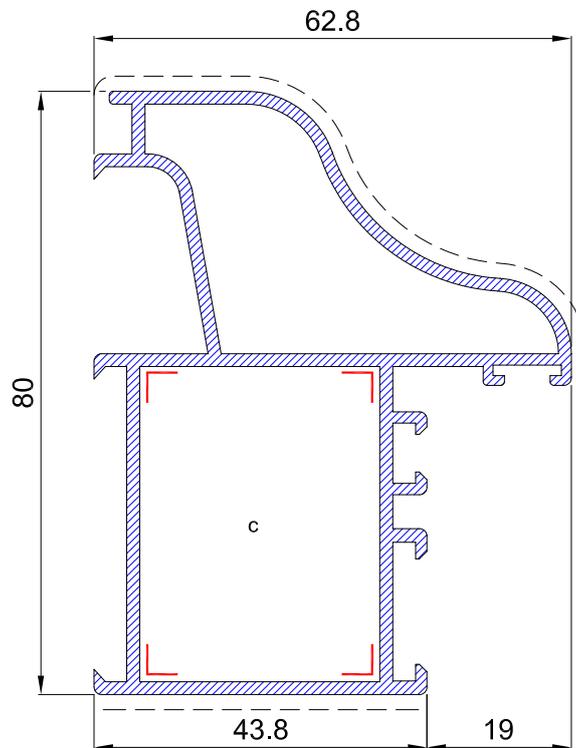
Momentos de inercia

Perímetro (mm): 676

I_x (cm⁴): 34,28

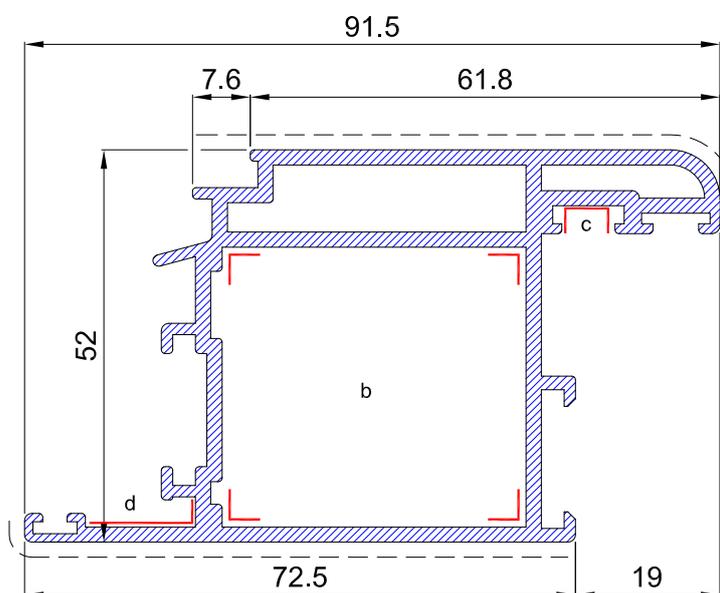
I_y (cm⁴): 17,63

	Accesorios	Montaje
	a: A497960B (opcional) (E-312)	
b: A497607B (400-D)		Maquina / Manual
c: A497092B (26-4231-C)		Ver troquel / Manual



8118

52 x 91.5 mm door sash



Hoja de puerta de 52 x 91.5 mm

Ref.: 8118

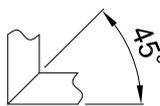
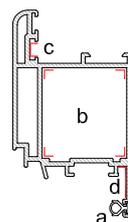
Peso (kg/m): 1.866

Momentos de inercia

Perímetro (mm): 698

Ix (cm4): 25,58

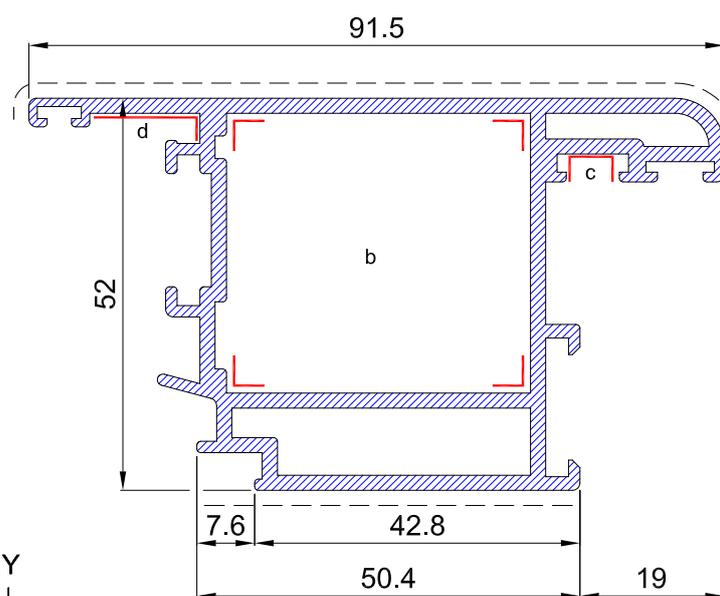
Iy (cm4): 36,65



Accesorios	Montaje
a: A497580B (3553/5)	Maquina / Manual
a: A497117B (opcional) (T-919)	Maquina / Manual
a: A497403B (opcional) (T-926)	Maquina / Manual
b: A497058B (26-3742-150)	Ver troquel / Manual
c: A497969B (PTA-58)	Manual
d: A497465B	Manual

8119

52 x 91.5 mm outside door sash opening



Hoja de puerta apert. exterior de 52 x 91.5 mm

Ref.: 8119

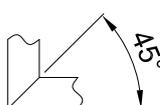
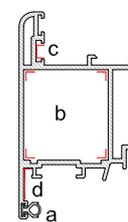
Peso (kg/m): 1.866

Momentos de inercia

Perímetro (mm): 698

Ix (cm4): 25,26

Iy (cm4): 36,65



Accesorios	Montaje
a: A497580B (3553/5)	Maquina / Manual
a: A497117B (opcional) (T-919)	Maquina / Manual
a: A497403B (opcional) (T-926)	Maquina / Manual
b: A497058B (26-3742-150)	Ver troquel / Manual
c: A497969B (PTA-58)	Manual
d: A497465B	Manual

Sash and false mullion

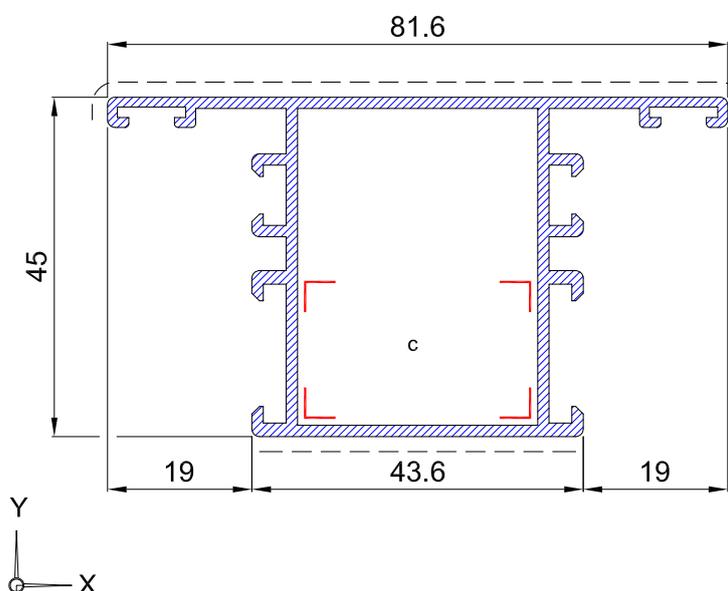
Hoja y zanca

8129	45 x 86.5 mm door sash								
Hoja de puerta de 45 x 86.5 mm									
Ref.: 8129									
Peso (kg/m): 1.250	Momentos de inercia								
Perímetro (mm): 500	Ix (cm4): 14,96 Iy (cm4): 21,88								
	<table border="1"> <thead> <tr> <th data-bbox="1056 568 1366 622">Accesorios</th> <th data-bbox="1366 568 1548 622">Montaje</th> </tr> </thead> <tbody> <tr> <td data-bbox="1056 622 1366 680">a: A497580B (3553/5)</td> <td data-bbox="1366 622 1548 680">Maquina / Manual</td> </tr> <tr> <td data-bbox="1056 680 1366 739">a: A497117B (opcional) (T-919)</td> <td data-bbox="1366 680 1548 739">Maquina / Manual</td> </tr> <tr> <td data-bbox="1056 739 1366 846">a: A497403B (opcional) (T-926)</td> <td data-bbox="1366 739 1548 846">Maquina / Manual</td> </tr> </tbody> </table>	Accesorios	Montaje	a: A497580B (3553/5)	Maquina / Manual	a: A497117B (opcional) (T-919)	Maquina / Manual	a: A497403B (opcional) (T-926)	Maquina / Manual
Accesorios	Montaje								
a: A497580B (3553/5)	Maquina / Manual								
a: A497117B (opcional) (T-919)	Maquina / Manual								
a: A497403B (opcional) (T-926)	Maquina / Manual								
	<table border="1"> <tbody> <tr> <td data-bbox="1056 846 1366 904">b: A497335B (26-4141-C)</td> <td data-bbox="1366 846 1548 904">Ver troquel / Manual</td> </tr> <tr> <td data-bbox="1056 904 1366 963"></td> <td data-bbox="1366 904 1548 963"></td> </tr> <tr> <td data-bbox="1056 963 1366 1016"></td> <td data-bbox="1366 963 1548 1016"></td> </tr> </tbody> </table>	b: A497335B (26-4141-C)	Ver troquel / Manual						
b: A497335B (26-4141-C)	Ver troquel / Manual								

8130	45 x 86.5 mm door false mullion								
Zanca inversora de puerta de 45 x 86.5 mm									
Ref.: 8130									
Peso (kg/m): 1.247	Momentos de inercia								
Perímetro (mm): 500	Ix (cm4): 14,61 Iy (cm4): 21,88								
	<table border="1"> <thead> <tr> <th data-bbox="1056 1487 1366 1541">Accesorios</th> <th data-bbox="1366 1487 1548 1541">Montaje</th> </tr> </thead> <tbody> <tr> <td data-bbox="1056 1541 1366 1599">a: A497580B (3553/5)</td> <td data-bbox="1366 1541 1548 1599">Maquina / Manual</td> </tr> <tr> <td data-bbox="1056 1599 1366 1657">a: A497117B (opcional) (T-919)</td> <td data-bbox="1366 1599 1548 1657">Maquina / Manual</td> </tr> <tr> <td data-bbox="1056 1657 1366 1765">a: A497403B (opcional) (T-926)</td> <td data-bbox="1366 1657 1548 1765">Maquina / Manual</td> </tr> </tbody> </table>	Accesorios	Montaje	a: A497580B (3553/5)	Maquina / Manual	a: A497117B (opcional) (T-919)	Maquina / Manual	a: A497403B (opcional) (T-926)	Maquina / Manual
Accesorios	Montaje								
a: A497580B (3553/5)	Maquina / Manual								
a: A497117B (opcional) (T-919)	Maquina / Manual								
a: A497403B (opcional) (T-926)	Maquina / Manual								
	<table border="1"> <tbody> <tr> <td data-bbox="1056 1765 1366 1823">b: A497335B (26-4141-C)</td> <td data-bbox="1366 1765 1548 1823">Ver troquel / Manual</td> </tr> <tr> <td data-bbox="1056 1823 1366 1881"></td> <td data-bbox="1366 1823 1548 1881"></td> </tr> <tr> <td data-bbox="1056 1881 1366 1935"></td> <td data-bbox="1366 1881 1548 1935"></td> </tr> </tbody> </table>	b: A497335B (26-4141-C)	Ver troquel / Manual						
b: A497335B (26-4141-C)	Ver troquel / Manual								

8035

45 x 81.6 mm door mullion



Zanca de puerta de 45 x 81.6 mm

Ref.: 8035

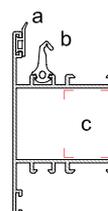
Peso (kg/m): 1.067

Momentos de inercia

Perímetro (mm): 527

Ix (cm4): 11,31

Iy (cm4): 15,74



Accesorios

Montaje

a: A497960B (opcional) (E-312)



Maquina / Manual

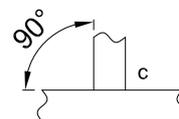
b: A497607B (400-D)



Maquina / Manual

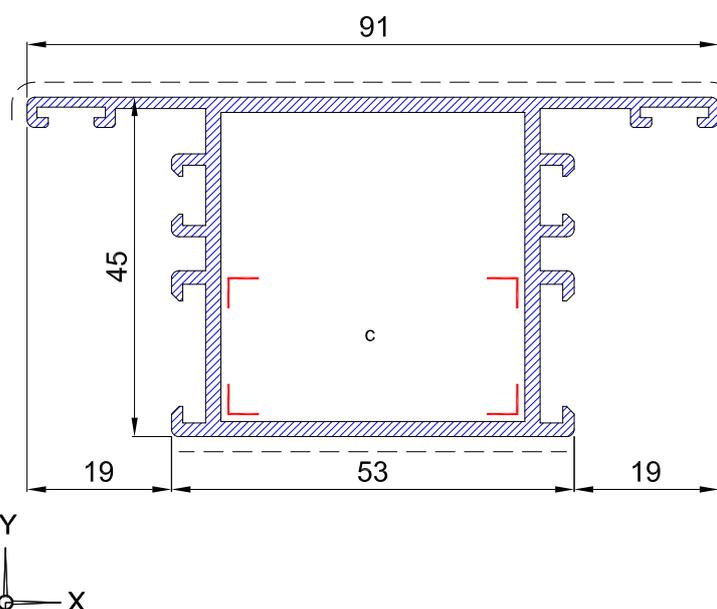
c: A497704B (3118)

Ver troquel / Manual



8131

45 x 91 mm door mullion



Zanca de puerta de 45 x 91 mm

Ref.: 8131

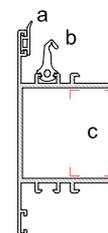
Peso (kg/m): 1.364

Momentos de inercia

Perímetro (mm): 560

Ix (cm4): 15,14

Iy (cm4): 25,55



Accesorios

Montaje

a: A497960B (opcional) (E-312)



Maquina / Manual

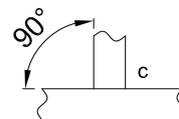
b: A497607B (400-D)



Maquina / Manual

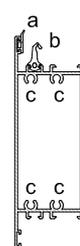
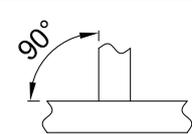
c: A497336B (4018)

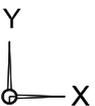
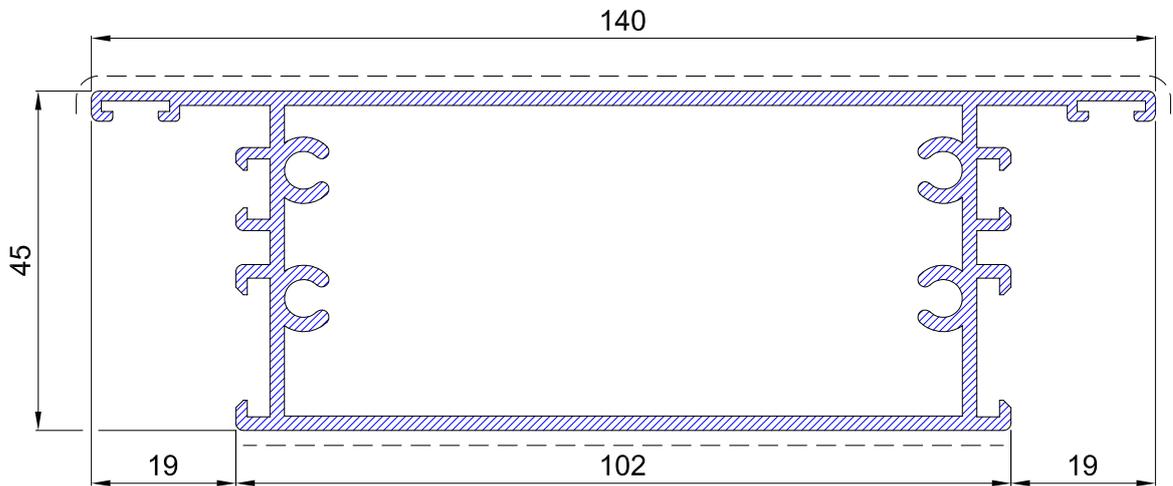
Ver troquel / Manual



Socket	Zócalo
--------	--------

8037	45 x 140 mm socket
------	--------------------

Zócalo de 45 x 140 mm		
Ref.: 8037		
Peso (kg/m): 2.106	Momentos de inercia	
Perímetro (mm): 845	Ix (cm4): 24,58	Iy (cm4): 126,42
	Accesorios	Montaje
	a: A497960B (opcional) (E-312) 	Maquina / Manual
	b: A497607B (400-D) 	Maquina / Manual
	c: Tornillo Ø 5.5	Maquina / Manual
		



8036

150 x 45 mm lower socket

Zócalo inferior de 150 x 45 mm

Ref.: 8036

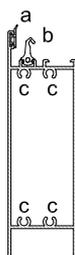
Peso (kg/m): 2.222

Momentos de inercia

Perímetro (mm): 875

Ix (cm4): 28,15

Iy (cm4): 169,07



Accesorios

Montaje

a: A497960B (opcional)  (E-312)

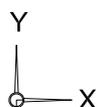
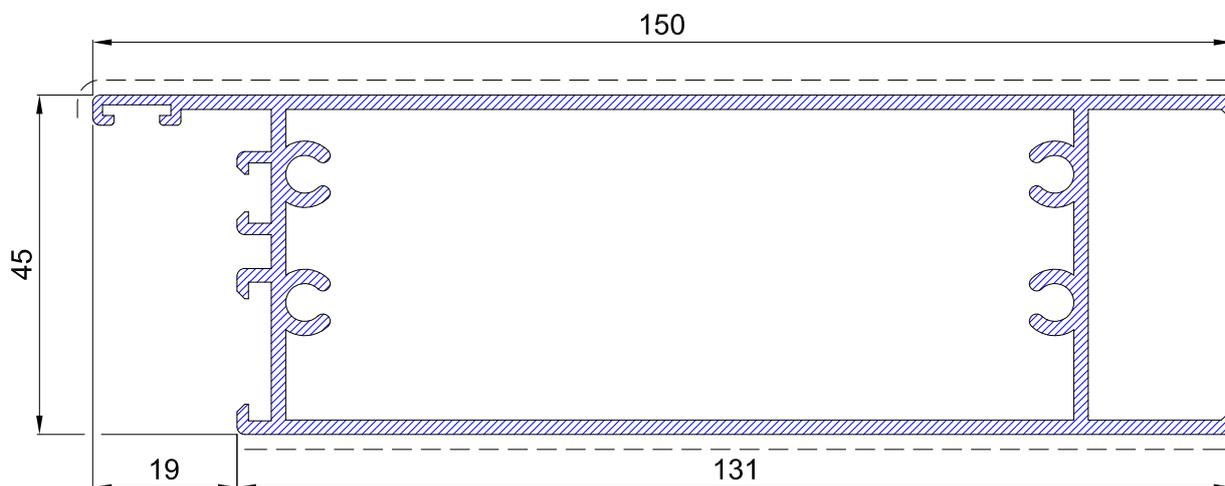
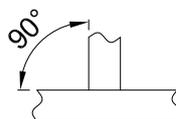
Maquina / Manual

b: A497607B  (400-D)

Maquina / Manual

c: Tornillo Ø 5.5

Maquina / Manual

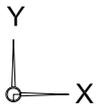
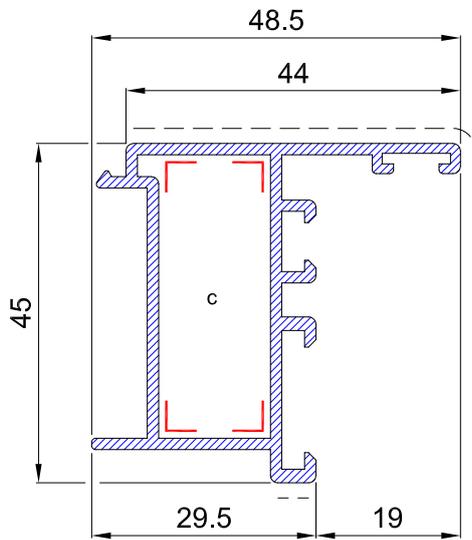


Glazing bead false mullion

Inversor de junquillo

8097

45 x 48.5 mm glazing bead false mullion



Inversor de junquillo de 45 x 48.5 mm

Ref.: 8097

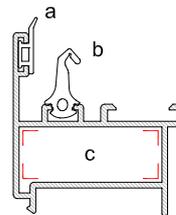
Peso (kg/m): 0.761

Momentos de inercia

Perímetro (mm): 374

Ix (cm4): 6,68

Iy (cm4): 3,61



Accesorios

Montaje

a: A497960B (opcional) (E-312)



Maquina / Manual

b: A497607B (400-D)



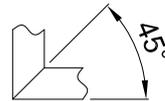
Maquina / Manual

c: A400050B

Ver troquel / Manual

c: A497978B (opcional) (26-3714-C)

Ver troquel / Manual



8033

41 x 42.5 mm false mullion of external opening

Perfil inversor de apertura exterior de 41 x 42.5 mm

Ref.: 8033

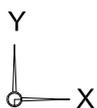
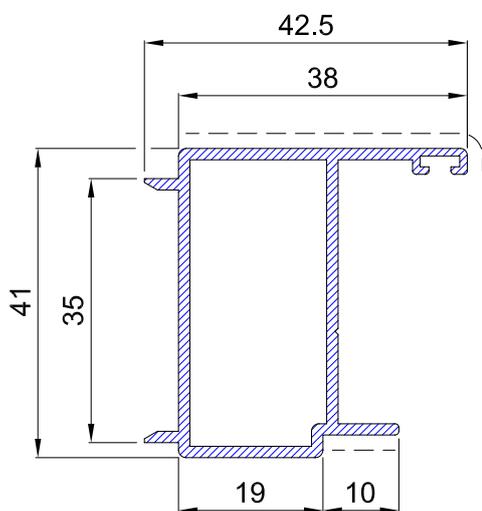
Peso (kg/m): 0.629

Momentos de inercia

Perímetro (mm): 318

Ix (cm4): 5,46

Iy (cm4): 2,75



8034

39.5 x 14 mm false mullion of internal opening

Perfil inversor de apertura interior de 39.5 x 14 mm

Ref.: 8034

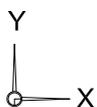
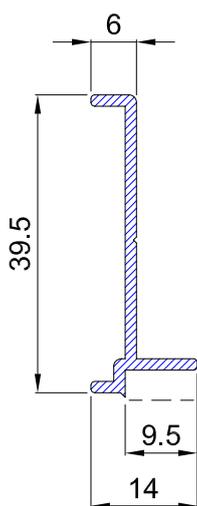
Peso (kg/m): 0.235

Momentos de inercia

Perímetro (mm): 118

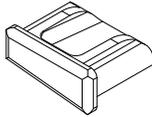
Ix (cm4): 1,48

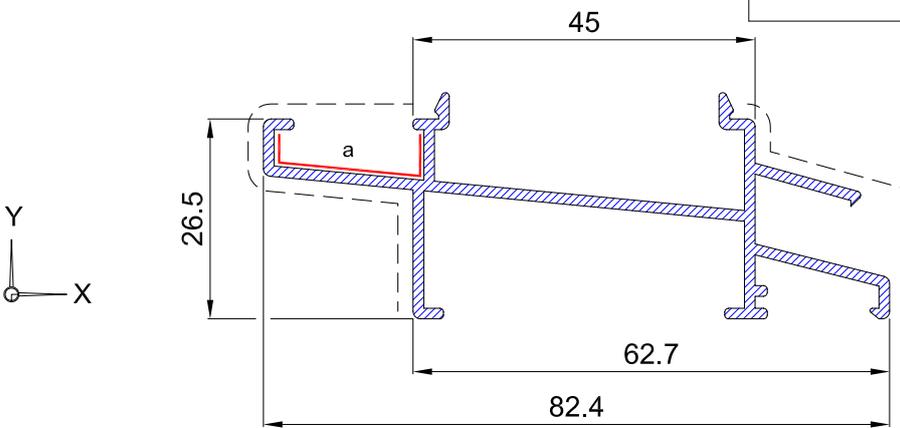
Iy (cm4): 0,05

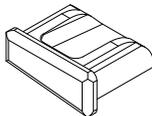


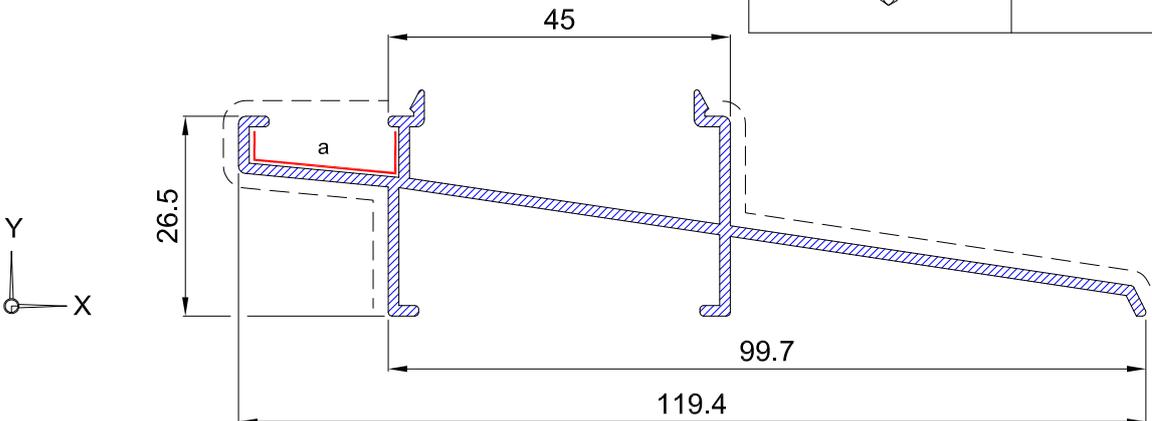
Water sills

Condensación

8018	26.5 x 82.4 mm water sill	
Condensación de 26.5 x 82.4 mm		
Ref.: 8018		
Peso (kg/m): 0.683	Momentos de inercia	
Perímetro (mm): 350	Ix (cm4): 1,40 Iy (cm4): 15,80	
	Accesorios	Montaje
	a: A497534B (Tope goterón)	Manual



8070	26.5 x 119.4 mm water sill	
Condensación de 26.5 x 119.4 mm		
Ref.: 8070		
Peso (kg/m): 0.759	Momentos de inercia	
Perímetro (mm): 400	Ix (cm4): 1,51 Iy (cm4): 30,05	
	Accesorios	Montaje
	a: A497534B (Tope goterón)	Manual



8139

26.5 x 141.4 mm water sill

Condensación de 26.5 x 141.4 mm

Ref.: 8139

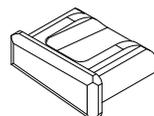
Peso (kg/m): 0.918

Momentos de inercia

Perímetro (mm): 463

Ix (cm4): 1,77

Iy (cm4): 53,00

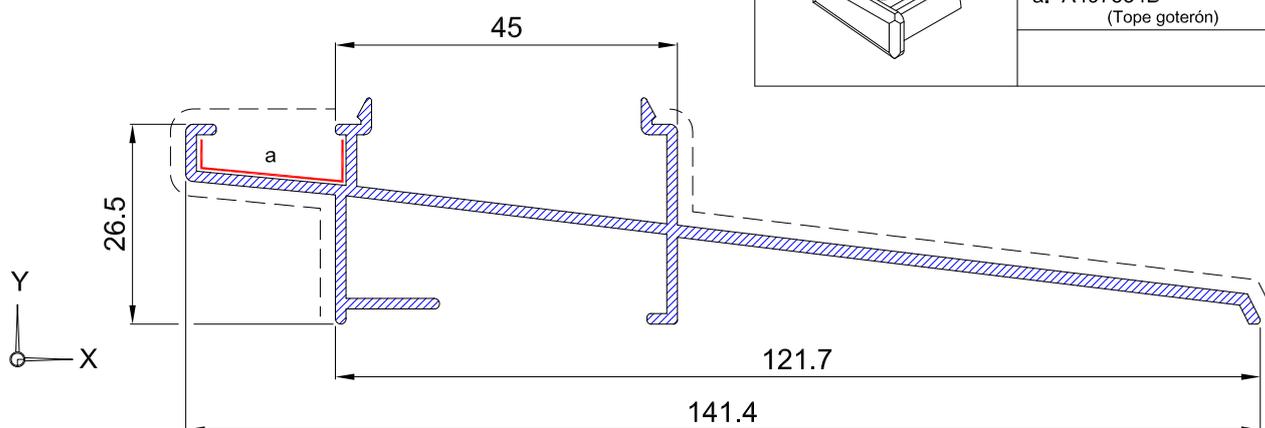


Accesorios

Montaje

a: A497534B
(Tope goterón)

Manual



8148

26.5 x 171.4 mm water sill

Condensación de 26.5 x 171.4 mm

Ref.: 8148

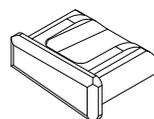
Peso (kg/m): 1.048

Momentos de inercia

Perímetro (mm): 522

Ix (cm4): 1,86

Iy (cm4): 93,14

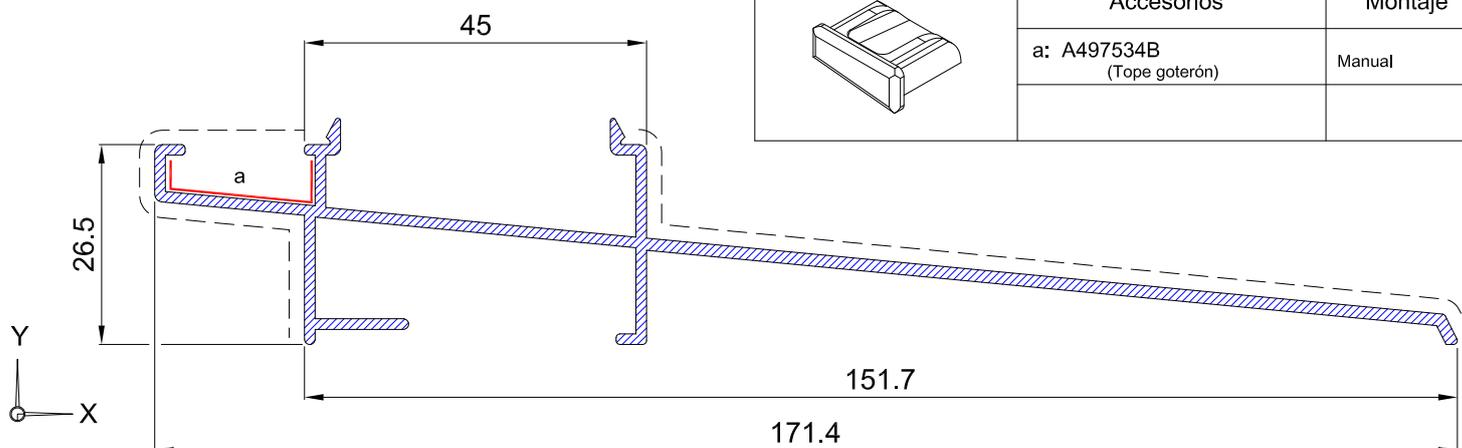


Accesorios

Montaje

a: A497534B
(Tope goterón)

Manual

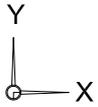
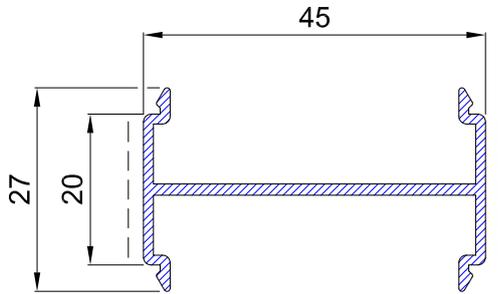


Frame connectors

Unión de marcos

8059

20 x 45 mm frame connectors



Unión de Marcos de 20 x 45 mm

Ref.: 8059

Peso (kg/m): 0.413

Momentos de inercia

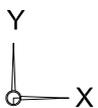
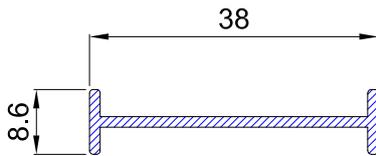
Perímetro (mm): 221

Ix (cm4): 0,51

Iy (cm4): 4,53

1420

8.6 x 38 mm frame connectors



Unión de Marcos de 8.6 x 38 mm

Ref.: 1420

Peso (kg/m): 0.205

Momentos de inercia

Perímetro (mm): 109

Ix (cm4): 0,25

Iy (cm4): 1,30

Nota: se recomienda pedir en anodizado natural.



8068

51.5 mm corner

Esquinero de 51.5 mm

Ref.: 8068

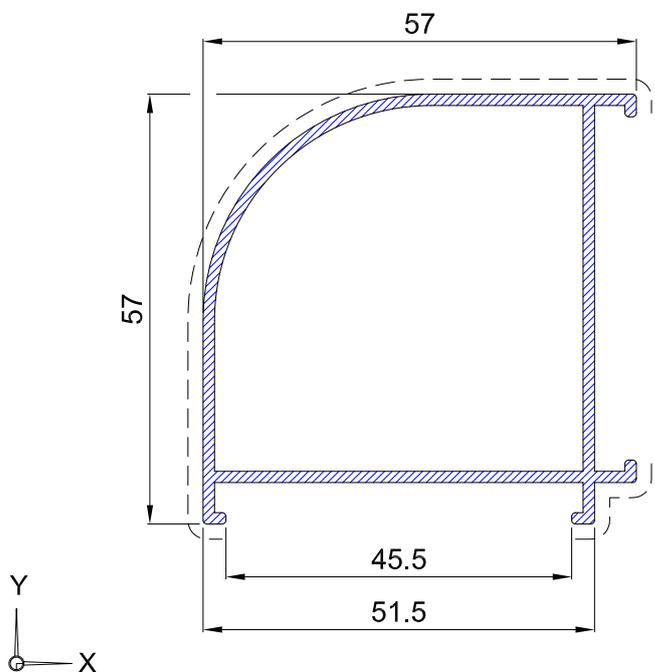
Peso (kg/m): 0.880

Momentos de inercia

Perímetro (mm): 431

Ix (cm4): 13,54

Iy (cm4): 13,54



3547

∅ 50 mm corner tube

Esquinero tubo ∅ 50 mm

Ref.: 3547

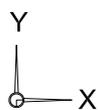
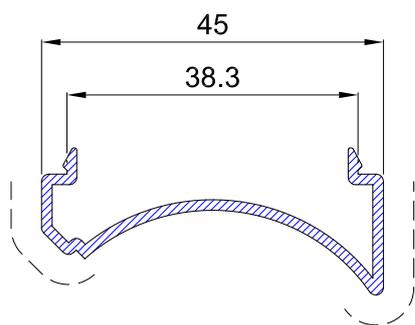
Peso (kg/m): 0.329

Momentos de inercia

Perímetro (mm): 174

Ix (cm4): 0,21

Iy (cm4): 3,29

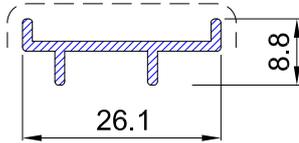
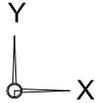


Complements

Complementos

8167

8.8 x 26.1 mm frame adaptor projection hinge



Soporte de compas para ventanas proyectantes

Ref.: 8167

Peso (kg/m): 0.151

Momentos de inercia

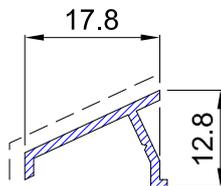
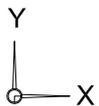
Perímetro (mm): 86

Ix (cm4): 0,02

Iy (cm4): 0,35

3400

12.8 x 17.8 mm drain



Vierteaguas de 12.8 x 17.8 mm

Ref.: 3400

Peso (kg/m): 0.113

Momentos de inercia

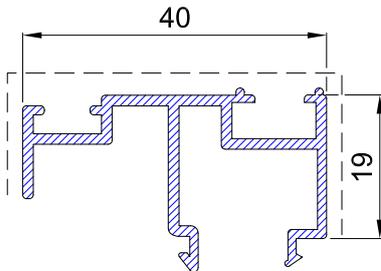
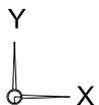
Perímetro (mm): 73

Ix (cm4): 0,04

Iy (cm4): 0,14

8101

19 x 40 mm windbreak profile



Perfil cortavientos 19 x 40

Ref.: 8101

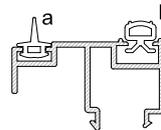
Peso (kg/m): 0.443

Momentos de inercia

Perímetro (mm): 246

Ix (cm4): 0,66

Iy (cm4): 2,60



Accesorios

Montaje

a: A497050B
(T-450)



Maquina / Manual

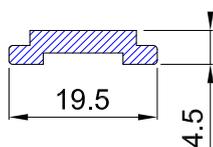
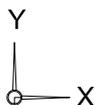
b: A497633B
(3624/8)



Maquina / Manual

7013

4.5 x 19.5 mm platen of cremona



Pletina cremona de 4.5 x 19.5 mm

Ref.: 7013

Peso (kg/m): 0.165

Momentos de inercia

Perímetro (mm): 50

Ix (cm4): 0,01

Iy (cm4): 0,18

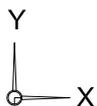
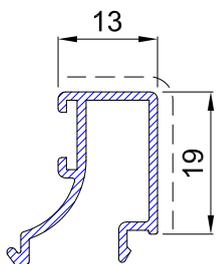


Junquillos

Glazing beads

8141

13 mm glazing bead



Junquillo de 13 mm

Ref.: 8141

Peso (kg/m): 0.224

Momentos de inercia

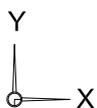
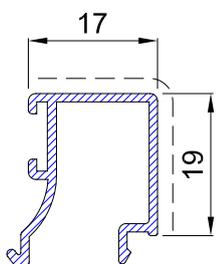
Perímetro (mm): 145

Ix (cm4): 0,44

Iy (cm4): 0,28

8142

17 mm glazing bead



Junquillo de 17 mm

Ref.: 8142

Peso (kg/m): 0.229

Momentos de inercia

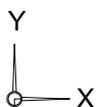
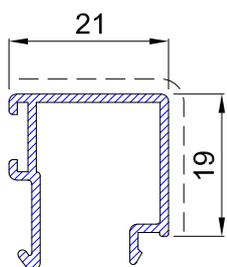
Perímetro (mm): 149

Ix (cm4): 0,47

Iy (cm4): 0,37

8140

21 mm glazing bead



Junquillo de 21 mm

Ref.: 8140

Peso (kg/m): 0.237

Momentos de inercia

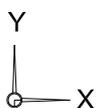
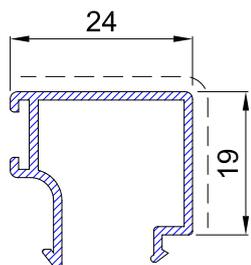
Perímetro (mm): 155

Ix (cm4): 0,49

Iy (cm4): 0,52

9007

24 mm glazing bead



Junquillo de 24 mm

Ref.: 9007

Peso (kg/m): 0.273

Momentos de inercia

Perímetro (mm): 165

Ix (cm4): 0,51

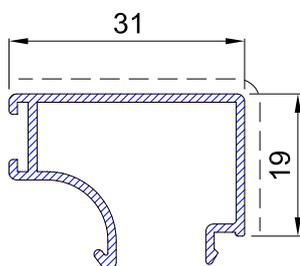
Iy (cm4): 0,67

Glazing beads

Junquillos

8144

31 mm glazing bead



Junquillo de 31 mm

Ref.: 8144

Peso (kg/m): 0.289

Momentos de inercia

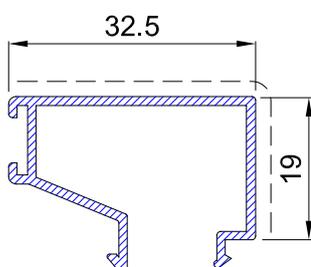
Perímetro (mm): 189

Ix (cm4): 0,58

Iy (cm4): 1,21

2689

32.5 mm glazing bead



Junquillo de 32.5 mm

Ref.: 2689

Peso (kg/m): 0.308

Momentos de inercia

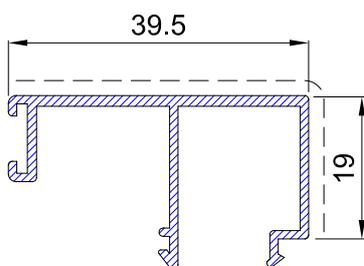
Perímetro (mm): 194

Ix (cm4): 0,62

Iy (cm4): 1,43

2687

39.5 mm Glazing Bead



Junquillo de 39.5 mm

Ref.: 2687

Peso (kg/m): 0.351

Momentos de inercia

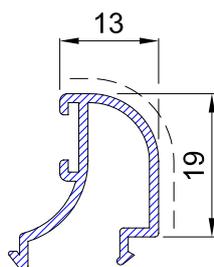
Perímetro (mm): 213

Ix (cm4): 0,66

Iy (cm4): 2,12

8075

13 mm glazing bead



Junquillo de 13 mm

Ref.: 8075

Peso (kg/m): 0.224

Momentos de inercia

Perímetro (mm): 139

Ix (cm4): 0,40

Iy (cm4): 0,25

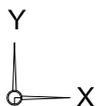
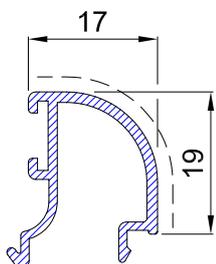


Junquillos

Glazing beads

8080

17 mm glazing bead



Junquillo de 17 mm

Ref.: 8080

Peso (kg/m): 0.240

Momentos de inercia

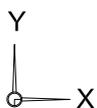
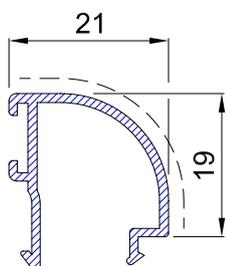
Perímetro (mm): 140

Ix (cm4): 0,44

Iy (cm4): 0,34

9102

21 mm glazing bead



Junquillo de 21 mm

Ref.: 9102

Peso (kg/m): 0.230

Momentos de inercia

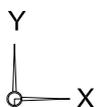
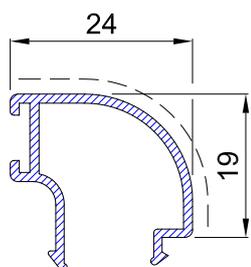
Perímetro (mm): 144

Ix (cm4): 0,43

Iy (cm4): 0,44

9040

24 mm glazing bead



Junquillo de 24 mm

Ref.: 9040

Peso (kg/m): 0.243

Momentos de inercia

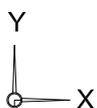
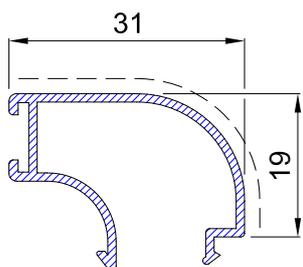
Perímetro (mm): 153

Ix (cm4): 0,44

Iy (cm4): 0,58

9083

31 mm glazing bead



Junquillo de 31 mm

Ref.: 9083

Peso (kg/m): 0.267

Momentos de inercia

Perímetro (mm): 177

Ix (cm4): 0,51

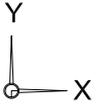
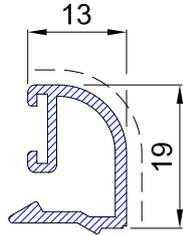
Iy (cm4): 1,04

Glazing beads

Junquillos

8074

13 mm glazing bead



Junquillo de 13 mm

Ref.: 8074

Peso (kg/m): 0.221

Momentos de inercia

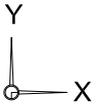
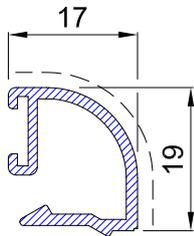
Perímetro (mm): 116

Ix (cm4): 0,35

Iy (cm4): 0,17

8069

17 mm glazing bead



Junquillo de 17 mm

Ref.: 8069

Peso (kg/m): 0.235

Momentos de inercia

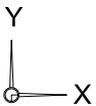
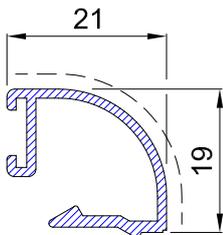
Perímetro (mm): 123

Ix (cm4): 0,37

Iy (cm4): 0,26

9103

21 mm glazing bead



Junquillo de 21 mm

Ref.: 9103

Peso (kg/m): 0.230

Momentos de inercia

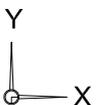
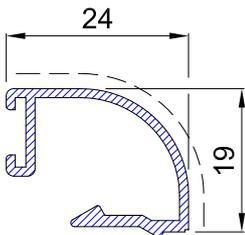
Perímetro (mm): 132

Ix (cm4): 0,38

Iy (cm4): 0,38

9015

24 mm glazing bead



Junquillo de 24 mm

Ref.: 9015

Peso (kg/m): 0.232

Momentos de inercia

Perímetro (mm): 136

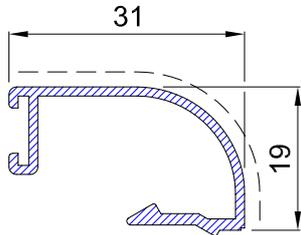
Ix (cm4): 0,40

Iy (cm4): 0,53



9014

31 mm glazing bead



Junquillo de 31 mm

Ref.: 9014

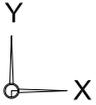
Peso (kg/m): 0.262

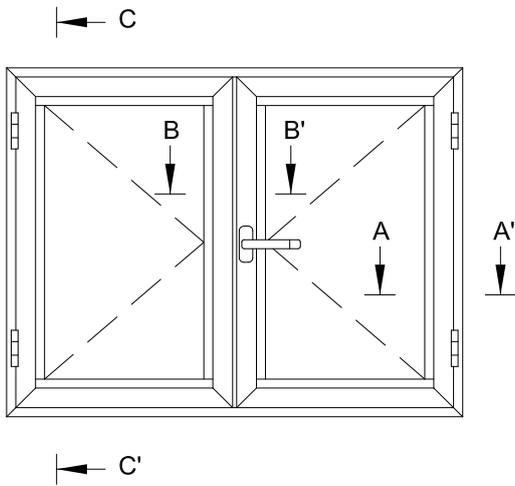
Momentos de inercia

Perímetro (mm): 153

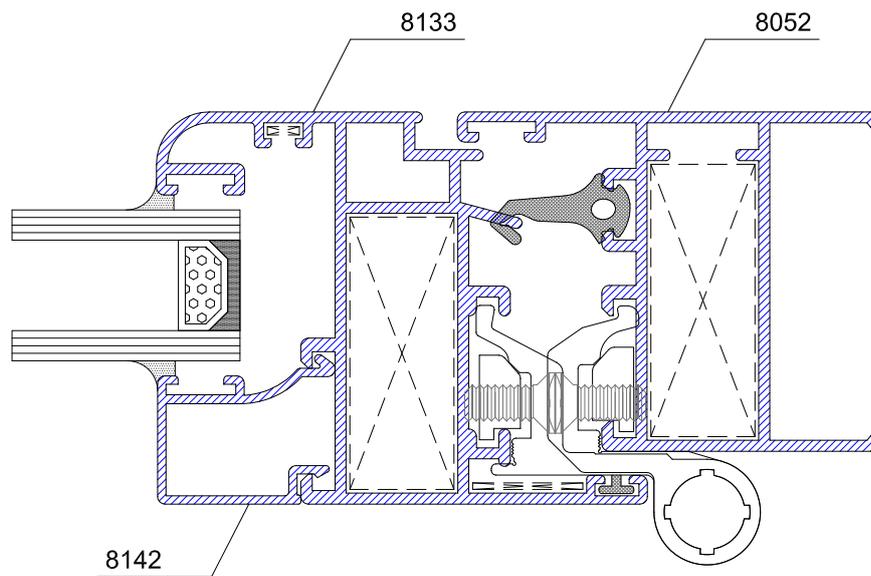
Ix (cm4): 0,46

Iy (cm4): 1,04

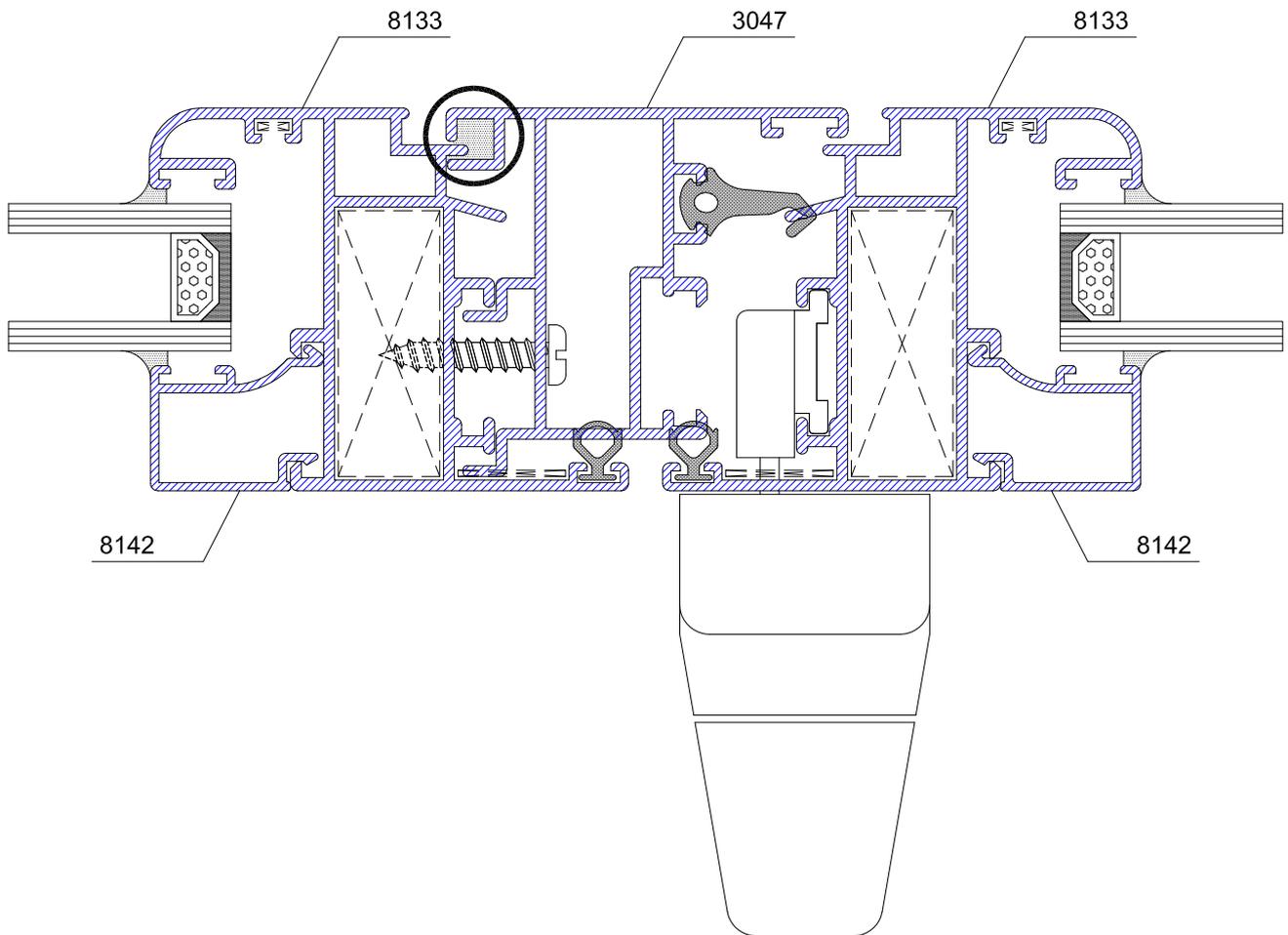




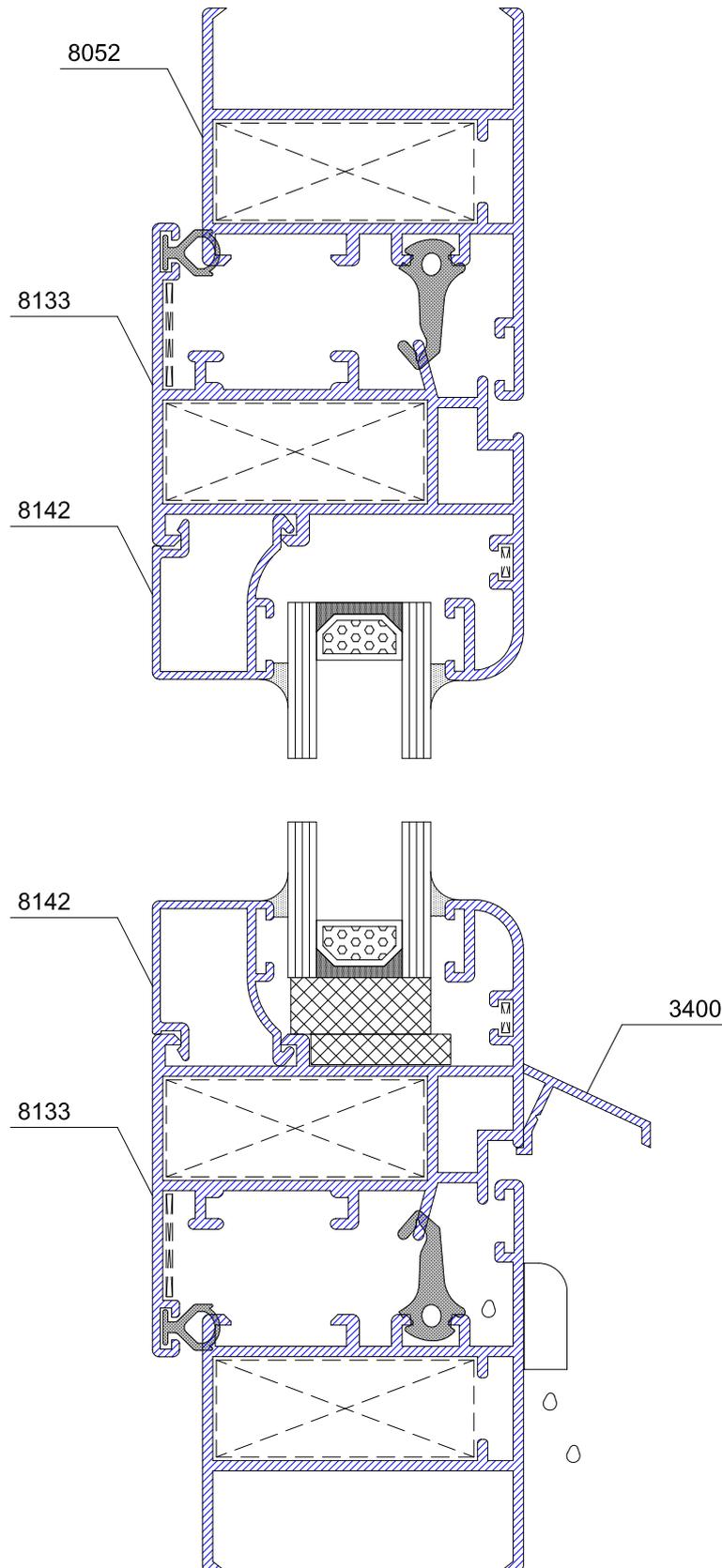
SECCIÓN A-A'

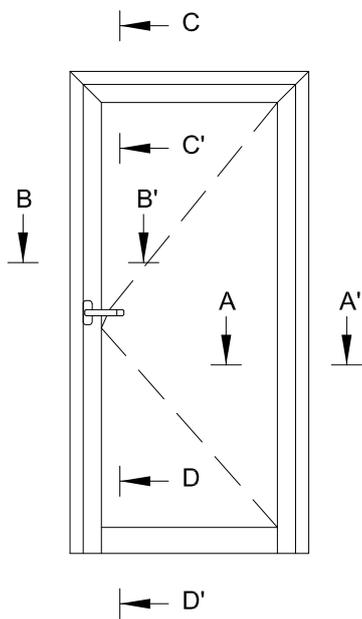


SECCIÓN B-B'

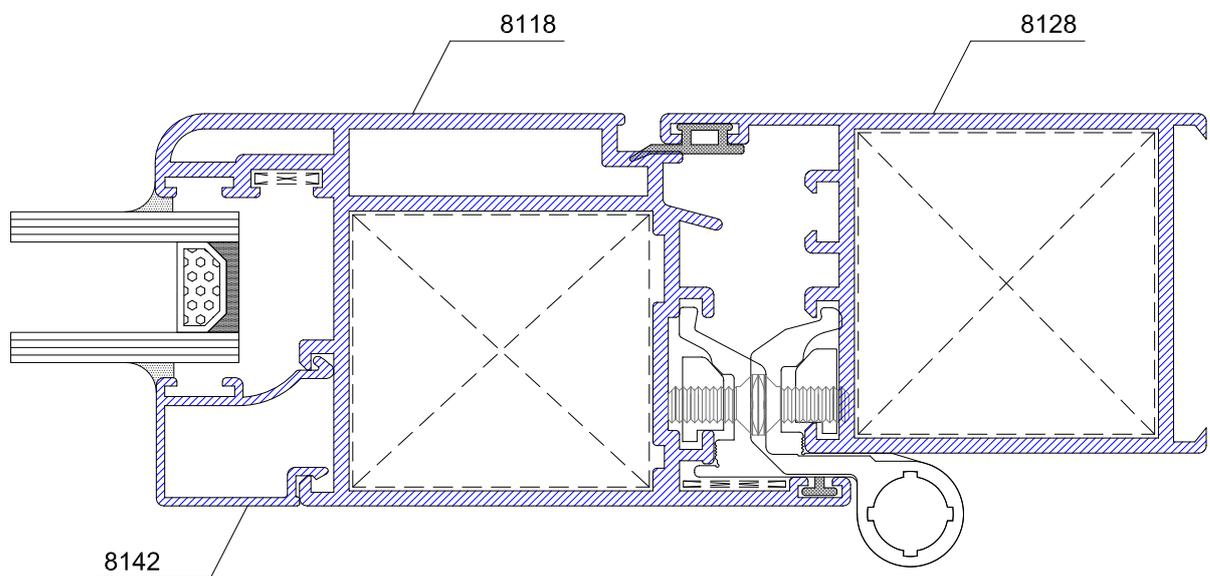


SECCIÓN C-C'

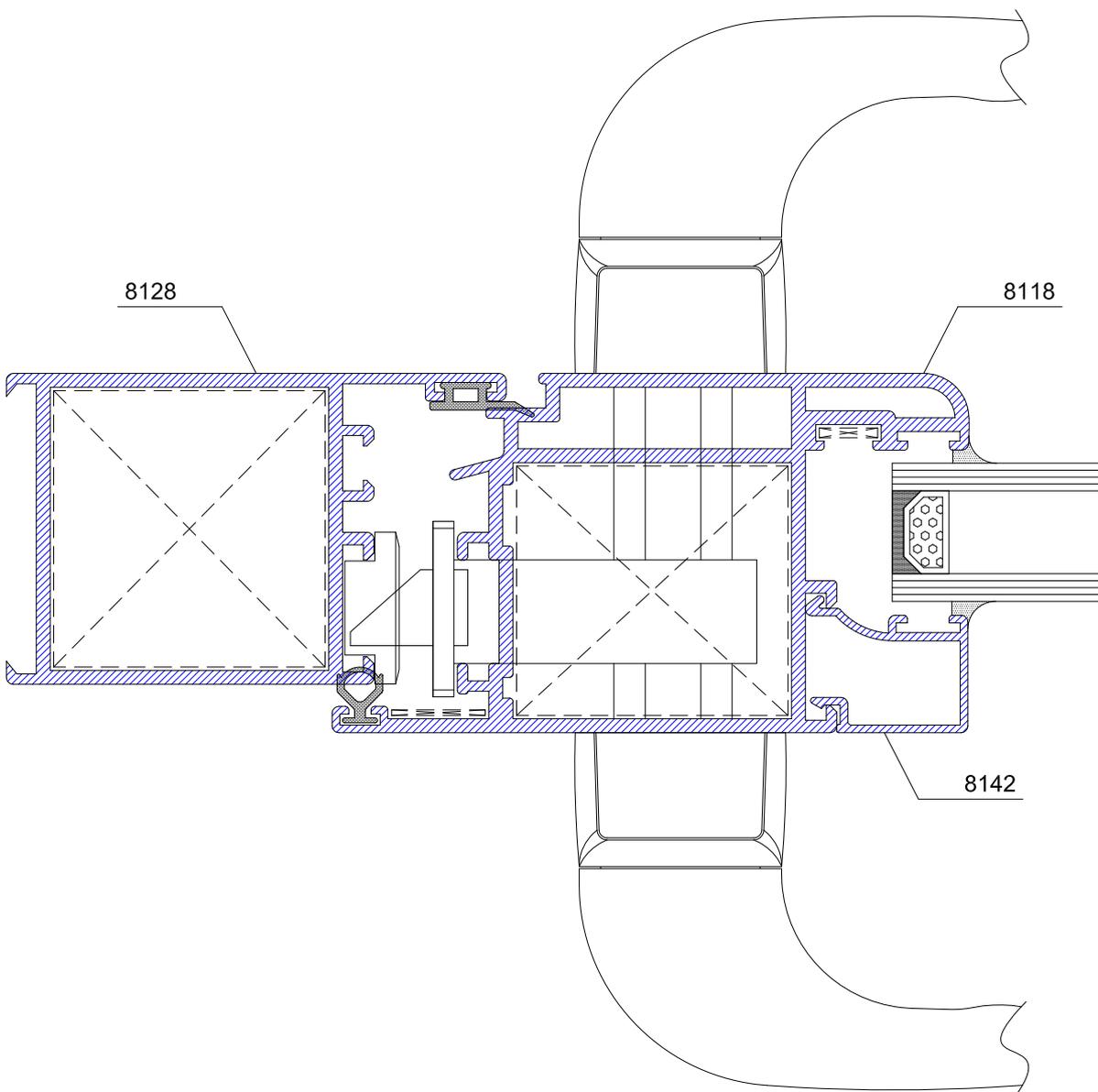




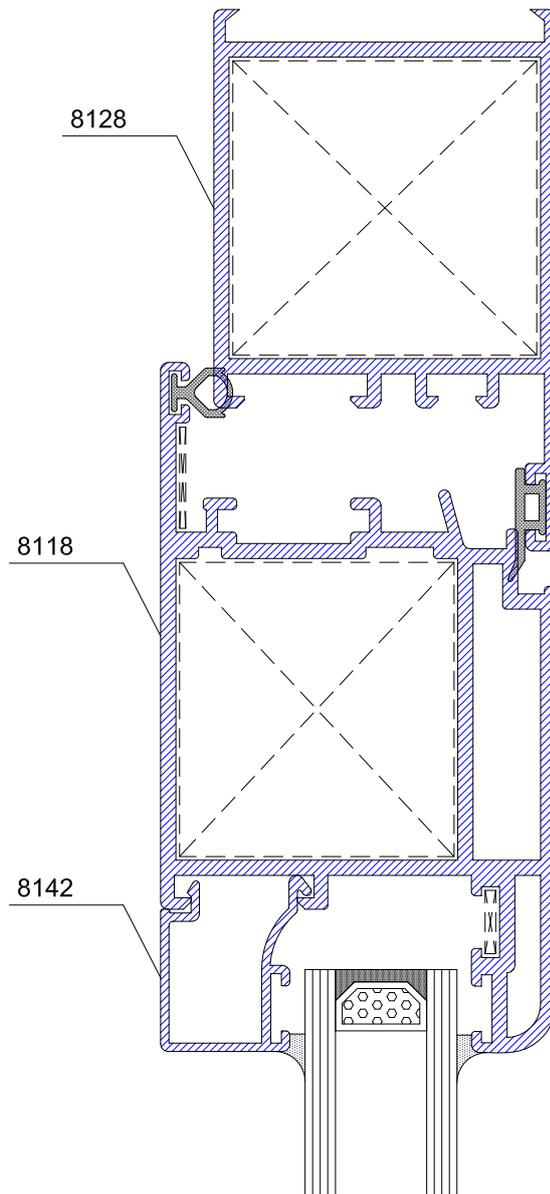
SECCIÓN A-A'



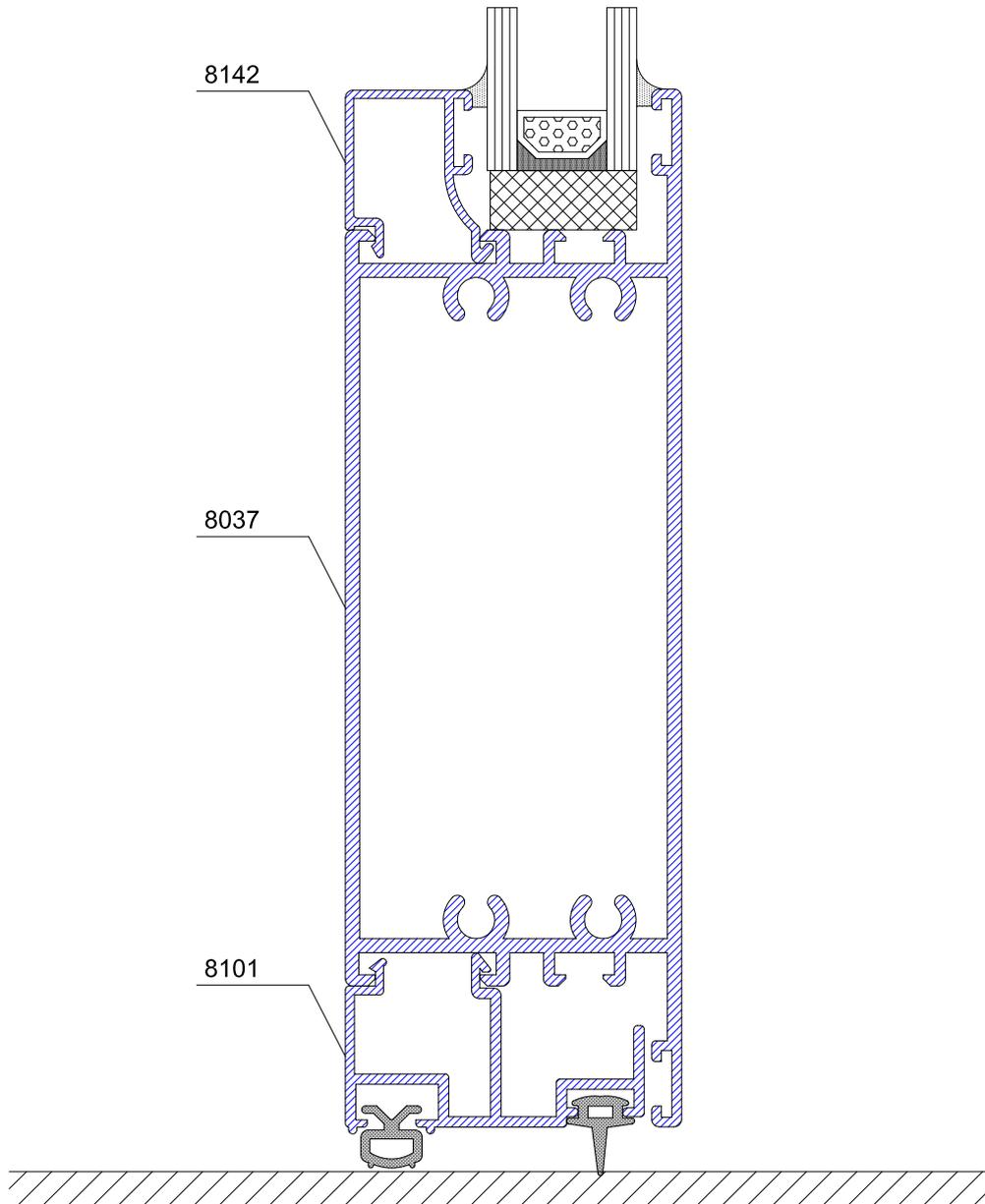
SECCIÓN B-B'

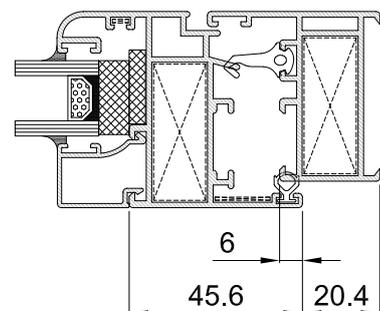
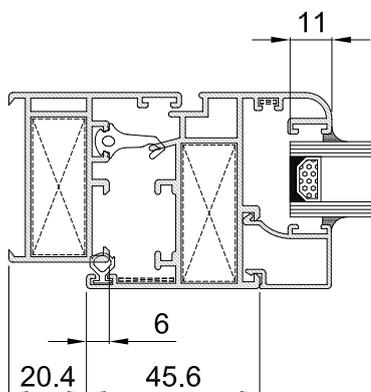
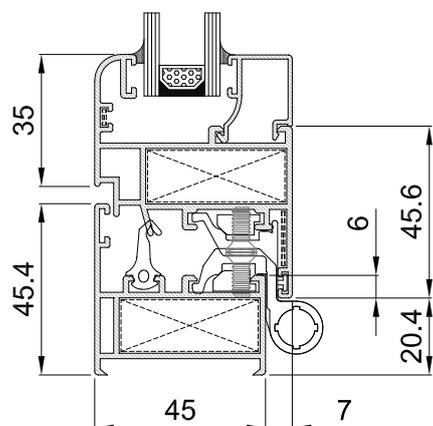
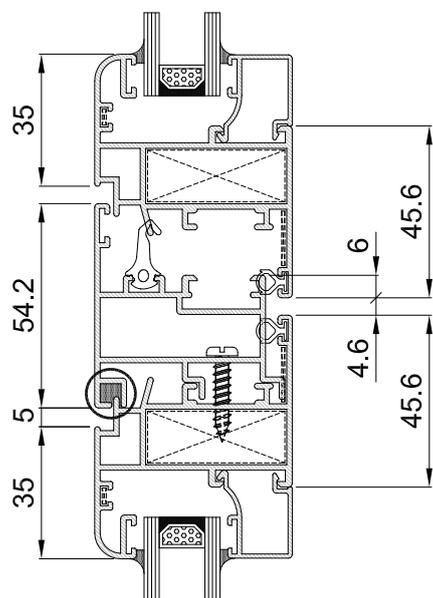
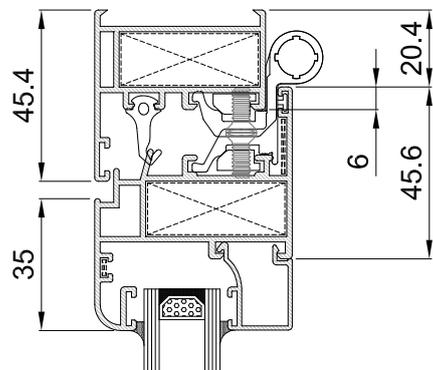


SECCIÓN C-C'



SECCIÓN D-D'





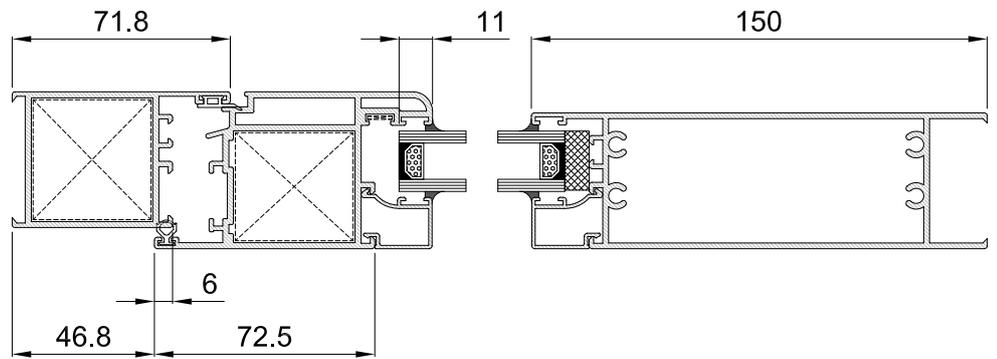
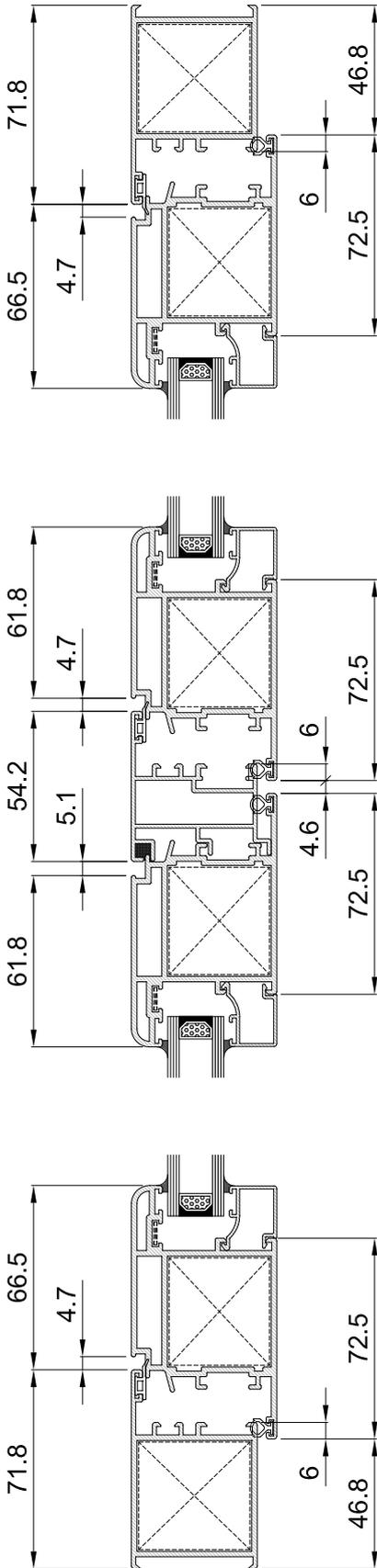
H = altura de marco
L = ancho de marco

Medidas de corte (ventana de 2 hojas)

CROQUIS	REF.:	DESCRIPCIÓN		
	8015	marco	H L	2 Unidades 2 Unidades
	8133	hoja curva	L/2 - 22.7 H - 40.8	4 Unidades 4 Unidades
	3047	perfil inversor	H - 104.8	1 Unidad

Cutting measures

Medidas de corte



H = altura de marco
L = ancho de marco

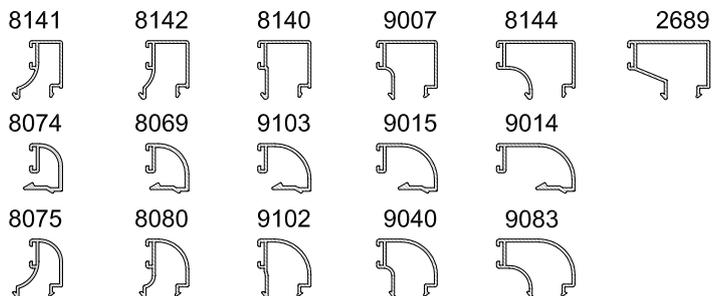
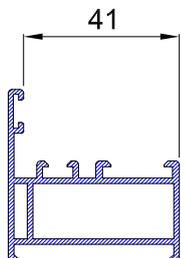
Medidas de corte (puerta de 2 hojas)

CROQUIS	REF.:	DESCRIPCIÓN		
	8128	marco	H L	2 Unidades 1 Unidad
	8118	hoja curva	L/2 - 49.1 H - 46.8	2 Unidades 4 Unidades
	3047	perfil inversor	H - 79	1 Unidad
	8036	zócalo	L/2 - 185.1	2 Unidades

NOTA: A LOS ALTOS DE LAS HOJAS HAY QUE DESCONTAR LA MEDIDA DE SEPARACIÓN QUE SE QUIERA DEJAR CON EL SUELO

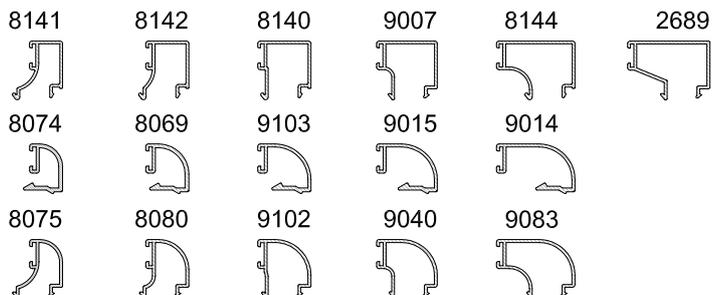
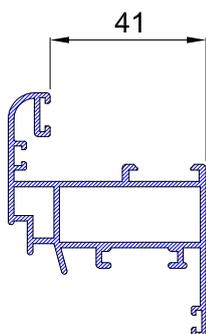


HUECOS DE JUNQUILLO PARA MARCO:



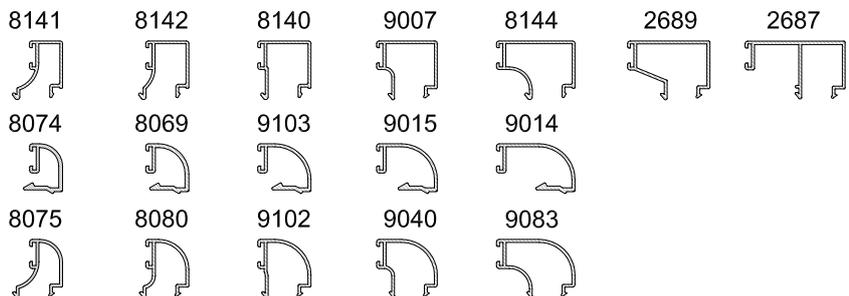
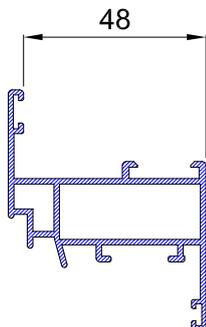
28	24	20	17	10	8.5
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HUECOS DE JUNQUILLO PARA HOJA CURVA:



28	24	20	17	10	8.5
----	----	----	----	----	-----

HUECOS DE JUNQUILLO PARA HOJA RECTA:

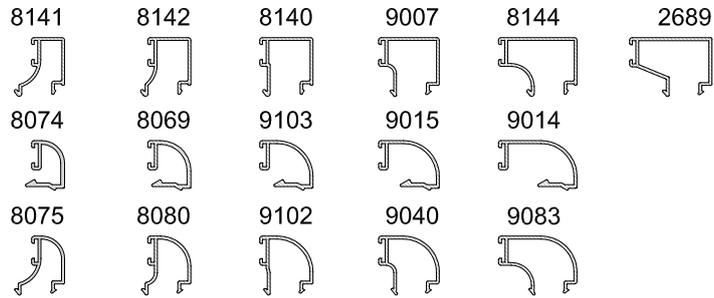
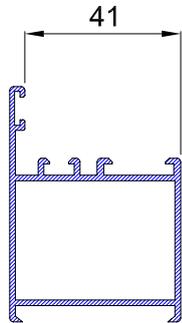


35	31	27	24	17	15.5	8.5
----	----	----	----	----	------	-----

Glazing options

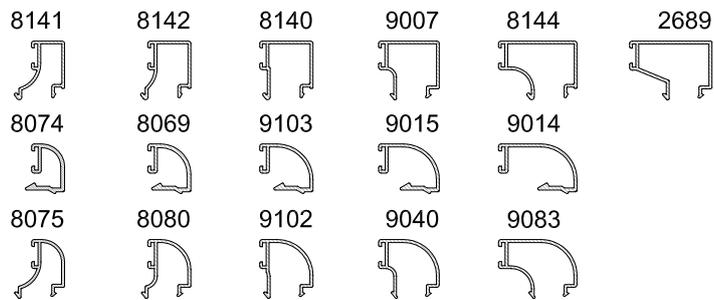
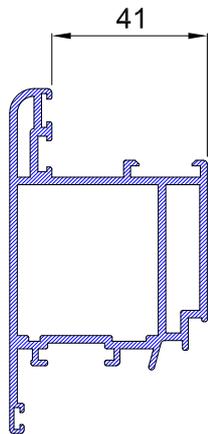
Huecos de vidrio

HUECOS DE JUNQUILLO PARA MARCO:



28	24	20	17	10	8.5
----	----	----	----	----	-----

HUECOS DE JUNQUILLO PARA HOJA CURVA:



28	24	20	17	10	8.5
----	----	----	----	----	-----



	Código Code	Descripción y características Description and properties
	A497607B	Goma central (EPDM) (400-D) Central Gasket (EPDM)
	A497580B	Goma interior (3553/5) Bubble gasket
	A497117B	Goma interior (EPDM) (T-919) Bubble gasket (EPDM)
	A497403B	Goma interior de clipar (EPDM) (T-926) Bubble gasket (EPDM)
	A495094B	Goma acristalar precortada (1,7 - 2,7 mm, EPDM) (T-1102) Wedge gasket (glazing) (1,7 - 2,7 mm, EPDM)
	A495095B	Goma acristalar precortada (2,5 - 4 mm, EPDM) (T-1103) Wedge gasket (glazing) (2,5 - 4 mm, EPDM)
	A495096B	Goma acristalar precortada (3,5 - 5 mm, EPDM) (T-1104) Wedge gasket (glazing) (3,5 - 5 mm, EPDM)
	A495097B	Goma acristalar precortada (4,5 - 6 mm, EPDM) (T-1105) Wedge gasket (glazing) (EPDM)
	A495098B	Goma acristalar precortada (5 - 7 mm, EPDM) (T-1106) Wedge gasket (glazing) (EPDM)

Gaskets

Gomas

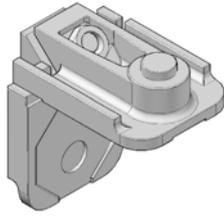
	Código Code	Descripción y características Description and properties
	A495099B	Goma acristalar precortada (6 - 9 mm, EPDM) (T-1108) Wedge gasket (glazing) (EPDM)
	A497960B	Goma exterior (E-312) Gasket frame (EPDM)
	A497054B	Goma exterior (T-503) Gasket frame (EPDM)
	A497050B	Goma cortavientos (T-450) Short winds gasket
	A497633B	Goma cortavientos (3624/8) Short winds gasket
	A497387B	Goma de registro (E-307/3) Gasket



Código
Code

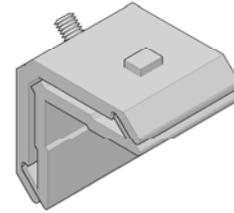
Código
Code

A400050B



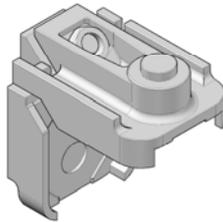
Escuadra (35.8 x 14)
Corner cleat

A497978B



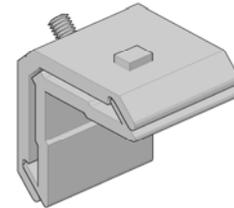
Escuadra (26-3714-C)
Corner cleat

A495143B



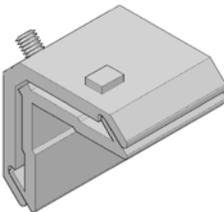
Escuadra (0360)
Corner cleat

A497980B



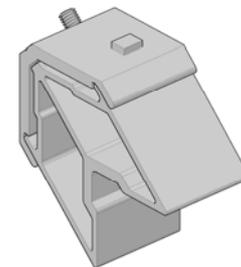
Escuadra (26-3714-150)
Corner cleat

A495147B



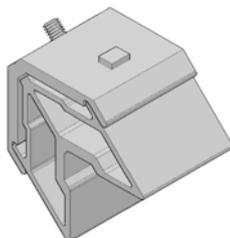
Escuadra (26-3714-90)
Corner cleat

A497058B



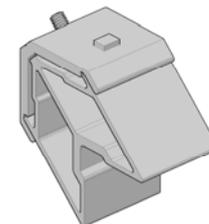
Escuadra (26-3742-150)
Corner cleat

A497092B



Escuadra (26-4231-C)
Corner cleat

A497335B



Escuadra (26-4141-C)
Corner cleat



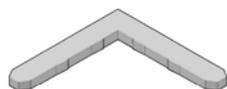
Hardwares

Accesorios

Código
Code

Código
Code

A497800B



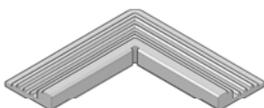
Escuadra alineamiento (A-103)
Alignement cleat

A497665B



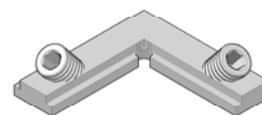
Escuadra alineamiento
Alignement cleat

A497465B



Escuadra alineamiento
Alignement cleat

A497969B



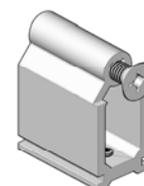
Escuadra alineamiento (PTA-58)
Alignement cleat

A497654B



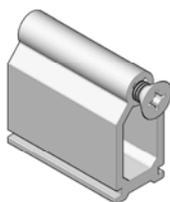
Tope para la zanca (1418)
Cleat fix (bracket)

A497704B



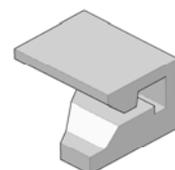
Tope para la zanca (3118)
Cleat fix (bracket)

A497336B



Tope para la zanca (4018)
Cleat fix (bracket)

A497666B



Grapa de junquillo redondo
Clamp round glazing bead

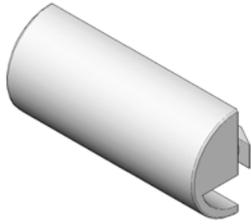


Accesorios

Hardwares

Código
Code

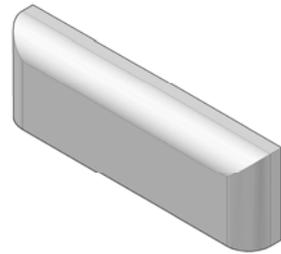
A495414B



Tapeta de desagüe curvo
Drain curved cover

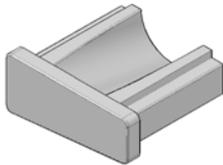
Código
Code

A497647B



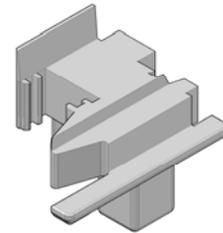
Tapeta de desagüe recto
Drain straight cover

A497534B



Tope goterón
Raindrop top

A497715B



Tapón inversor (TA0045SC)
False mullion end cap

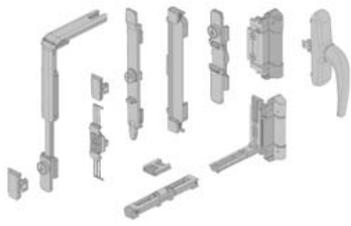
Hardwares

Accesorios

Código
Code

Código
Code

A400016



Kit base oscilo (incluido cremone)
Kit based tilt (included cremone)

A400017B



Compás corto (400 a 600 mm)
Short compass

A400117B



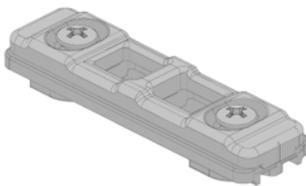
Compás medio (465 a 600 mm)
Middle compass

A400217B



Compás largo (601 a 1700 mm)
Long compass

A400045B



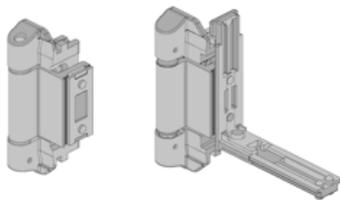
Cerradero regulable
Regulable keeper

A400041B



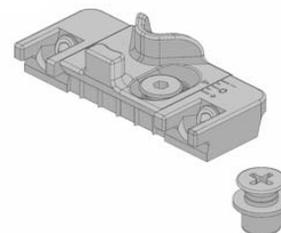
Pasador 2ª hoja oscilobatiente
Second sash latches tilt

A400030



Bisagras pasivas simétricas
Symetric passive hinges

A400039B



Microventilación
Microventilation



Código
Code

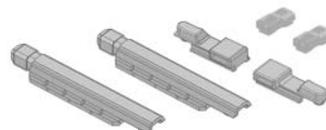
A400018B



Pasador metálico 2ª hoja
Second sash metal latches

Código
Code

A400922B



Kit practicable
Kit practicable

A400046B



Kit pasadores 2ª hoja de plástico
Kit second sash plastic latches

A400019



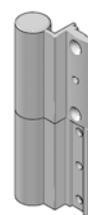
Cremona apertura interior
Inside opening cremone

A400051



Bisagra canal europeo
European hinge channel

A400025



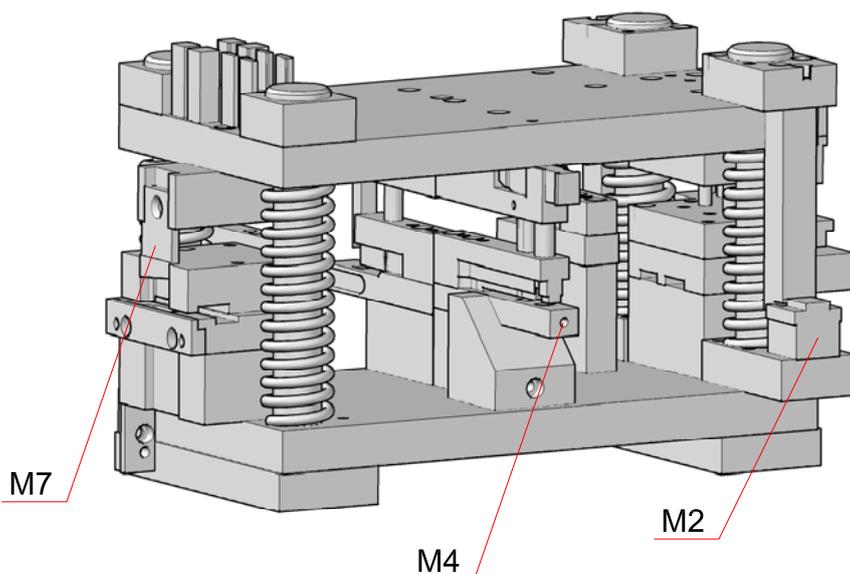
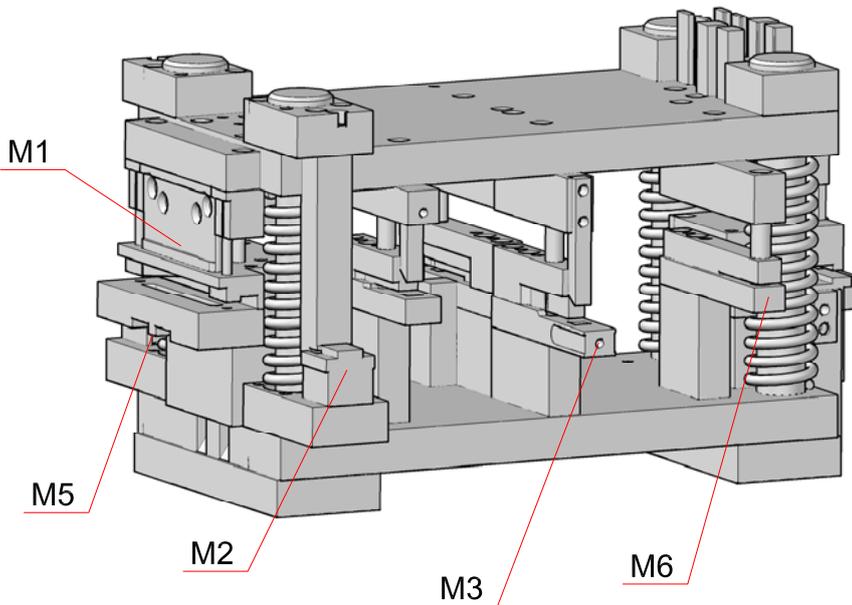
Bisagra canal europeo (puerta)
European hinge channel (door)

Punch machine

Troquel

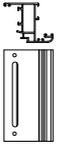
A498061B

Troquel V-8000



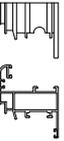
M1

Mecanizado cremona



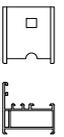
M2

Mecanizado pestañas canal herraje



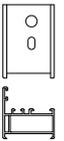
M3

Mecanizado escuadra de vértice



M4

Mecanizado escuadra de tón retráctil



M5

Mecanizado pletina cremona

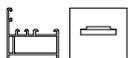
M6

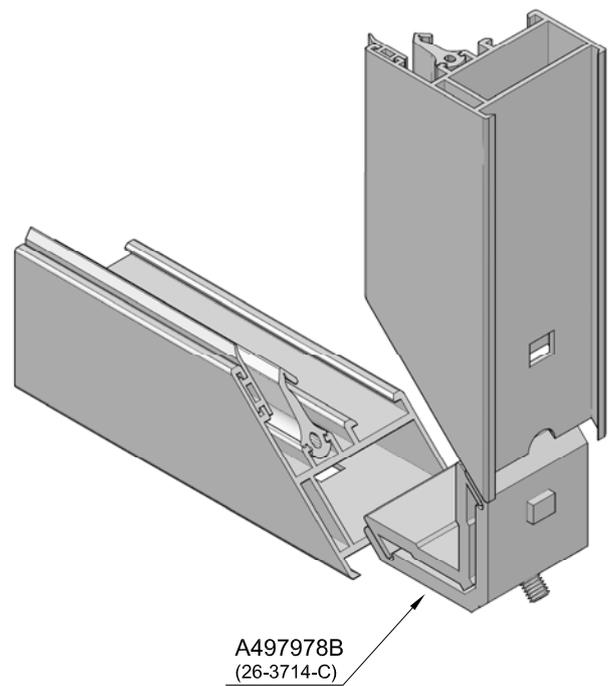
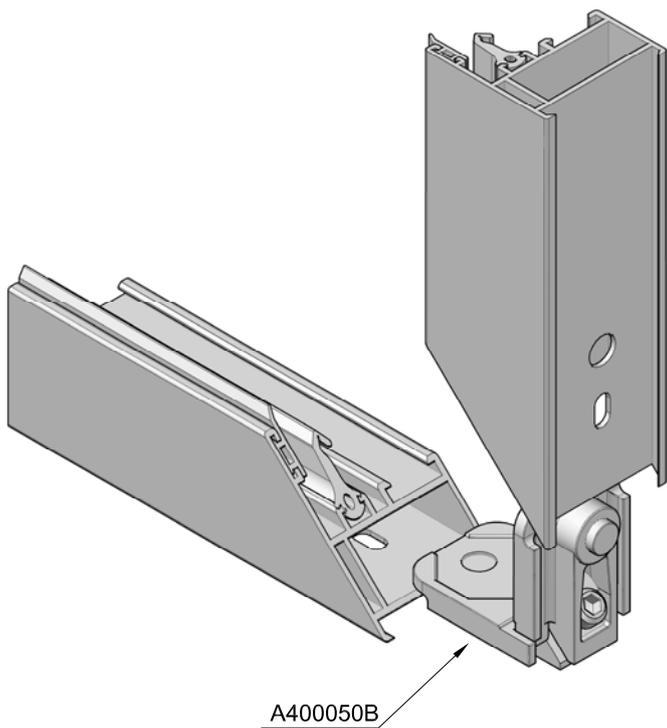
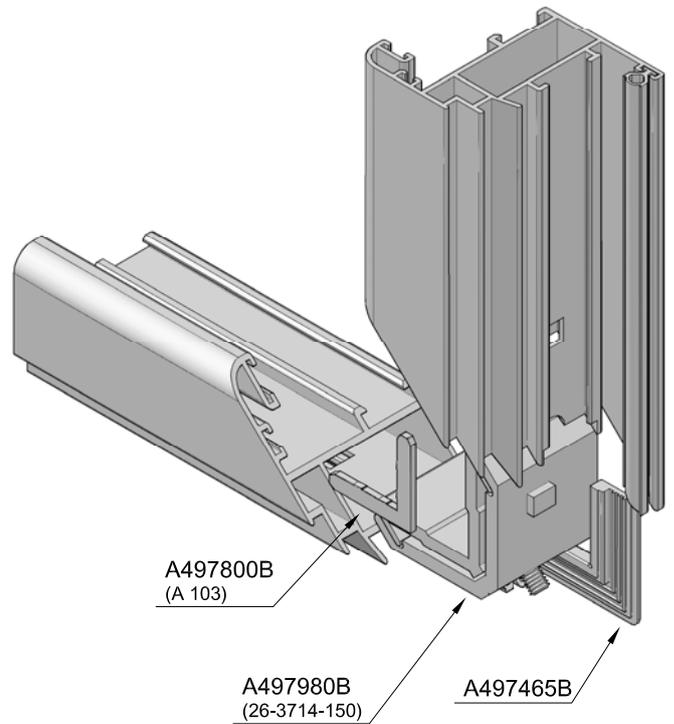
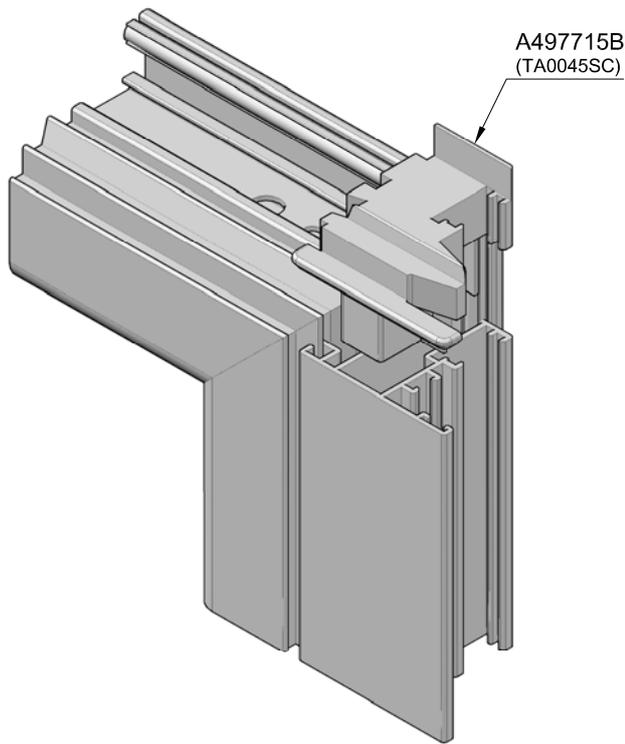
Mecanizado del tope zanca

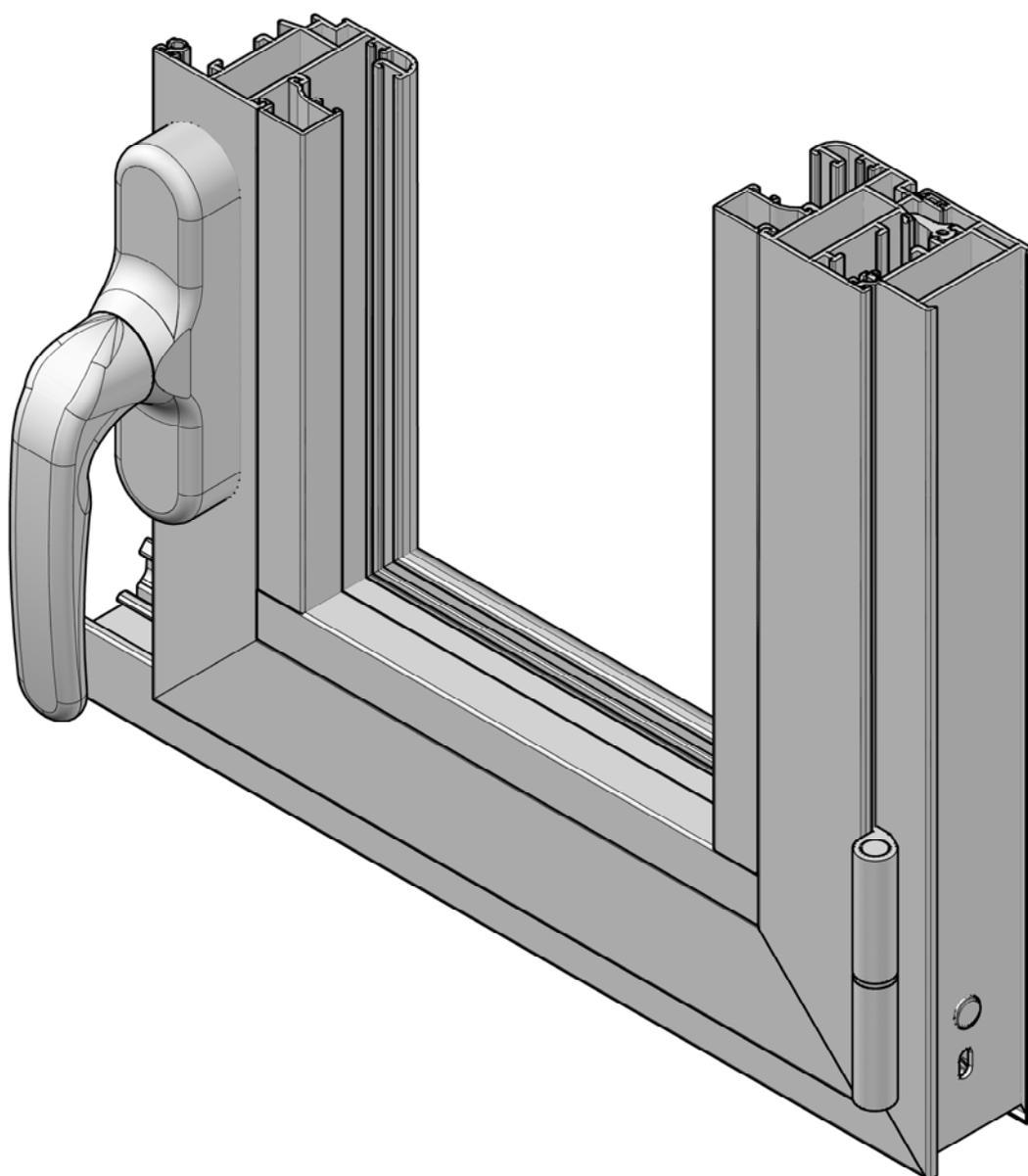


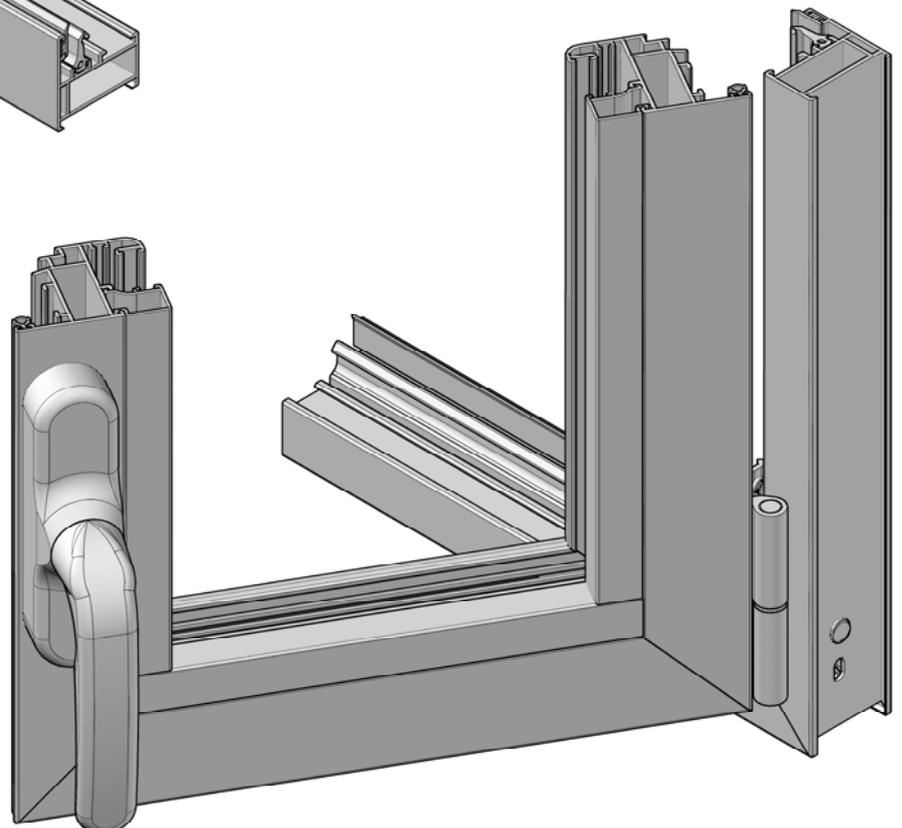
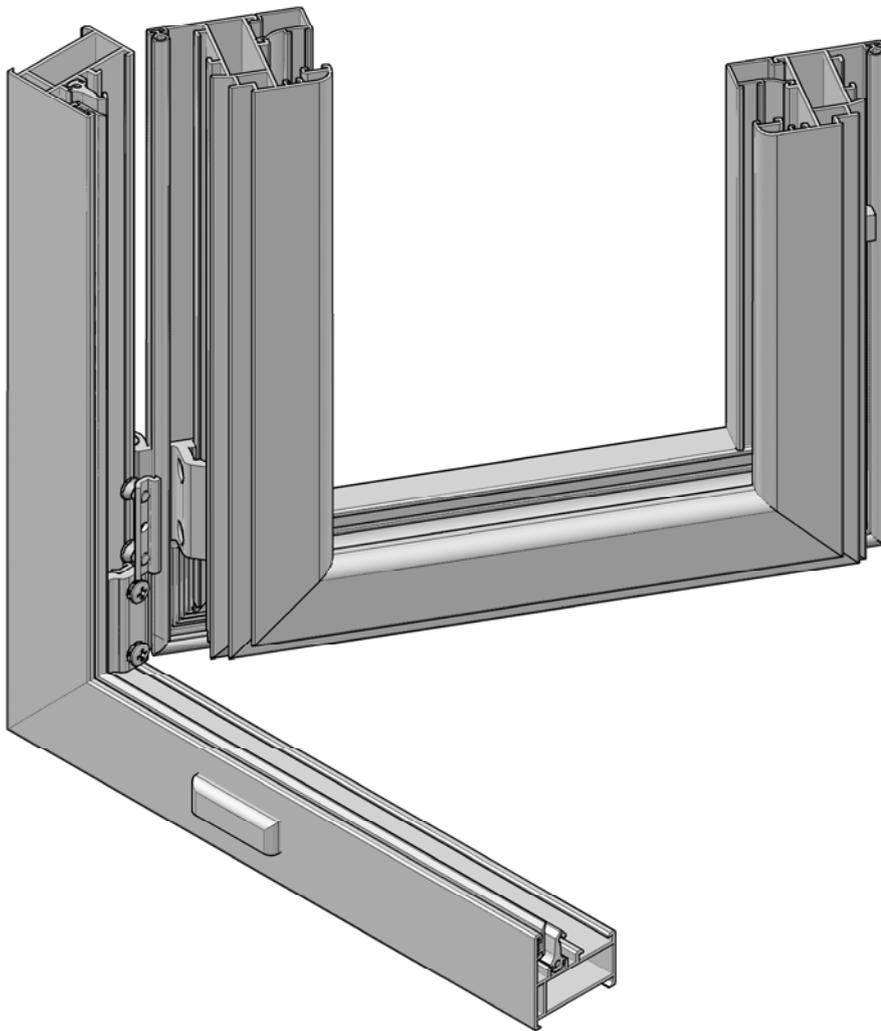
M7

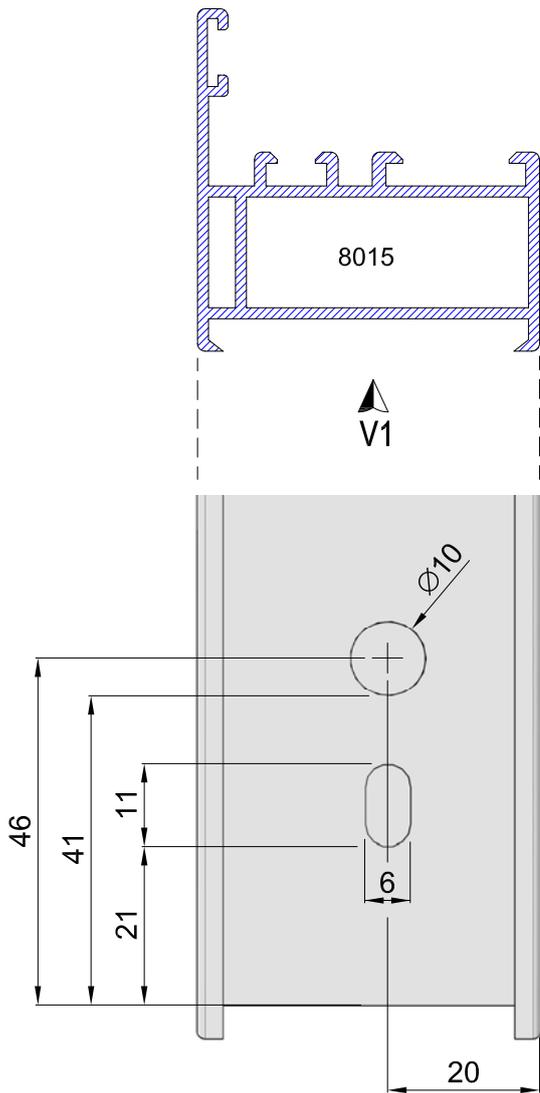
Mecanizado de desagüe en marcos y zancas



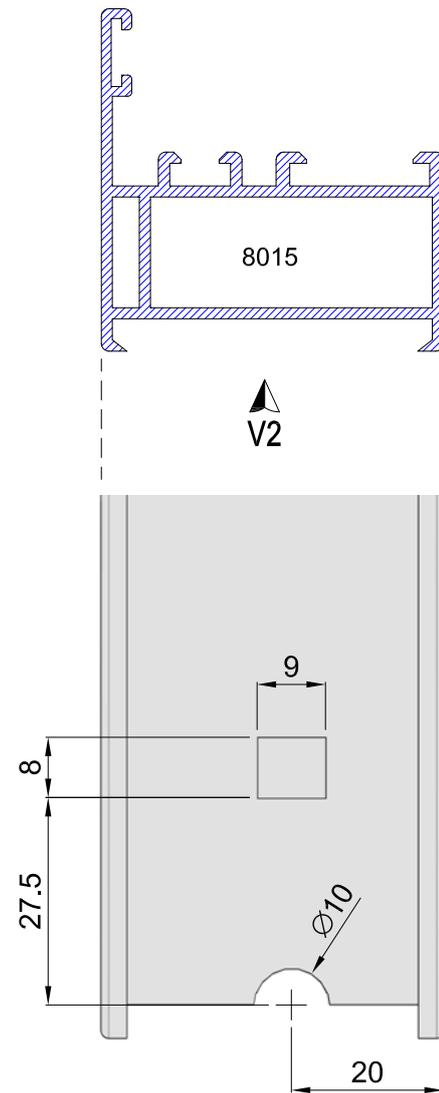




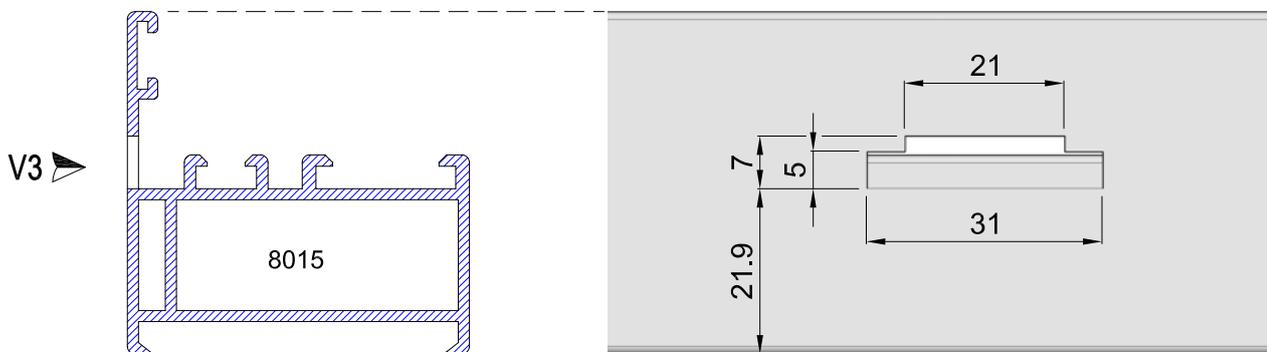




Mecanizado escuadra tetón retráctil V1
M4 1:1

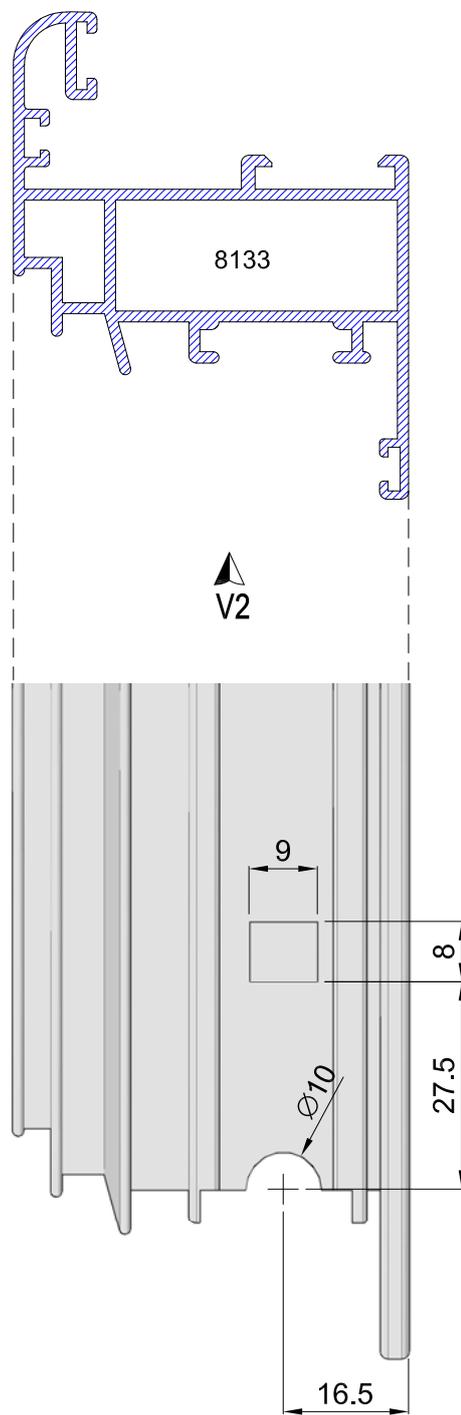
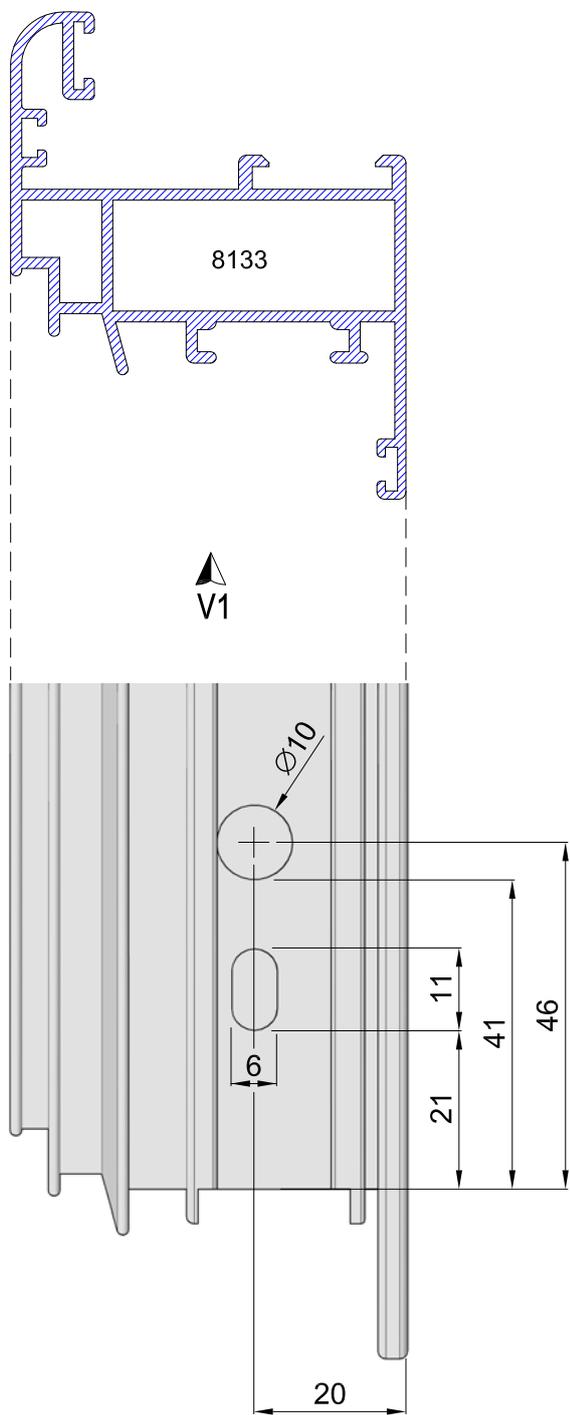


Mecanizado escuadra de vértice V2
M3 1:1



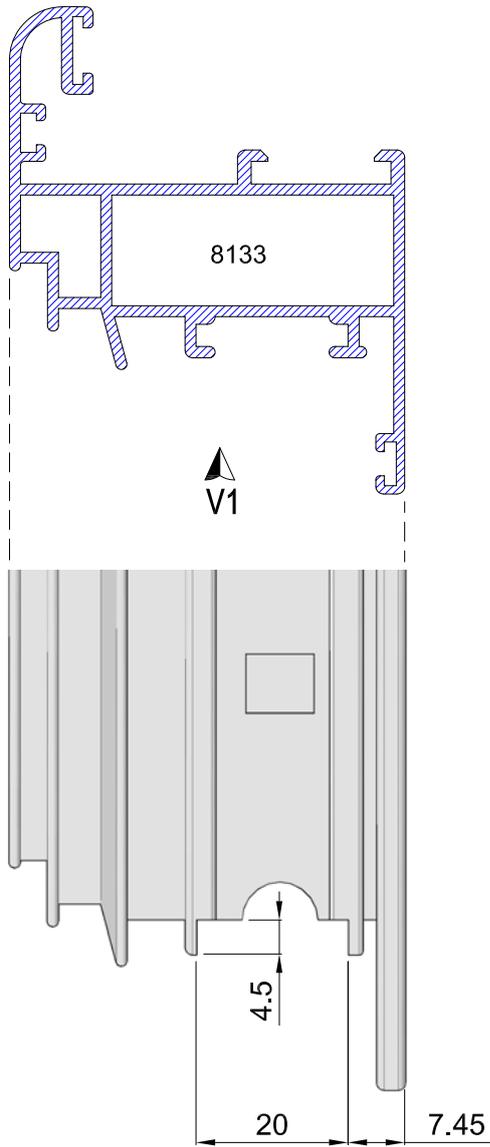
Mecanizado desagüe marco V3
M7 1:1





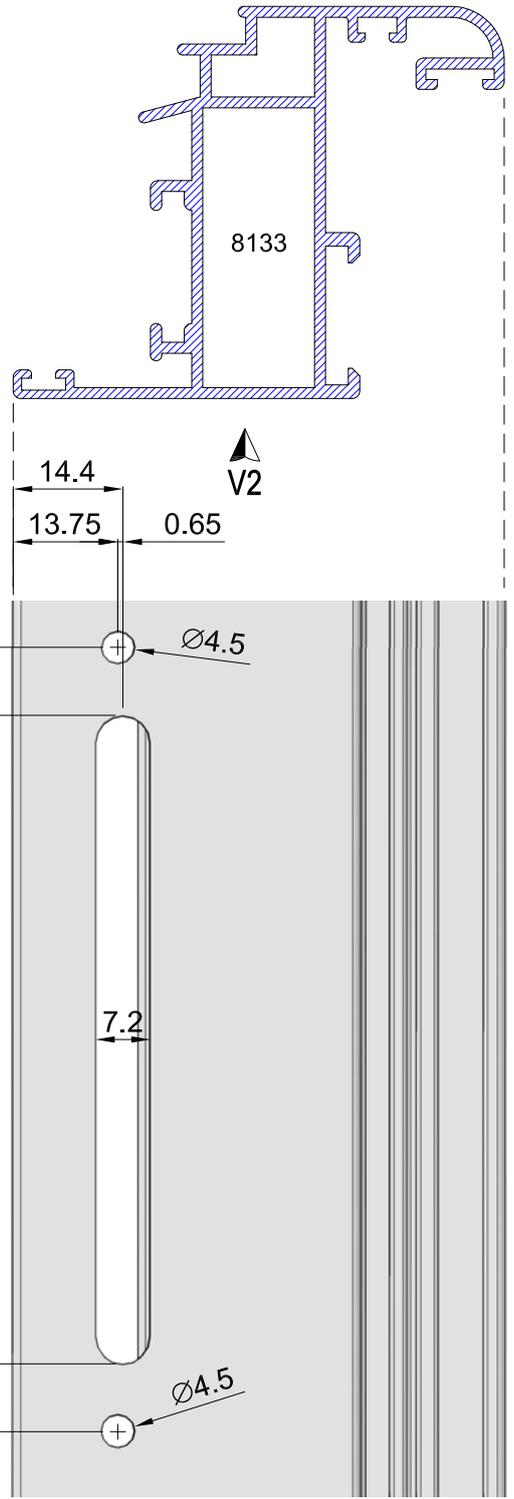
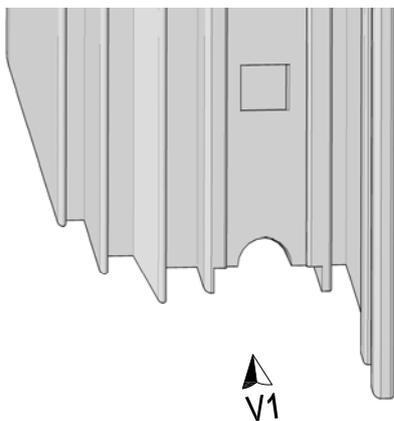
Mecanizado escuadra tetón retráctil V1
M4 1:1

Mecanizado escuadra de vértice V2
M3 1:1



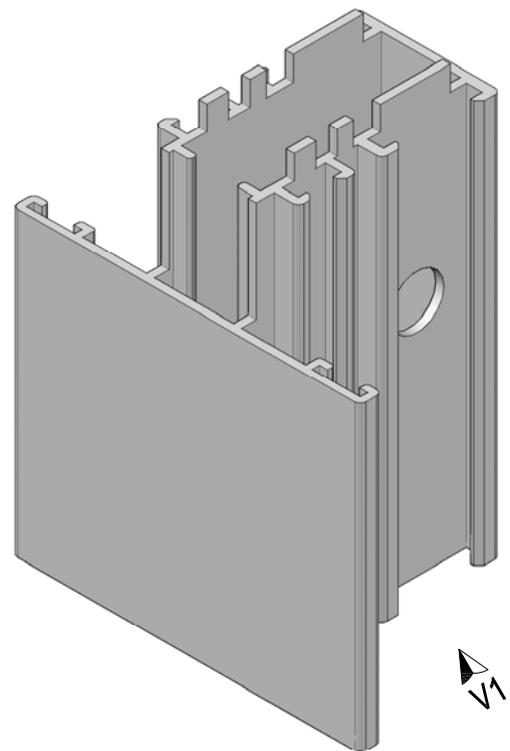
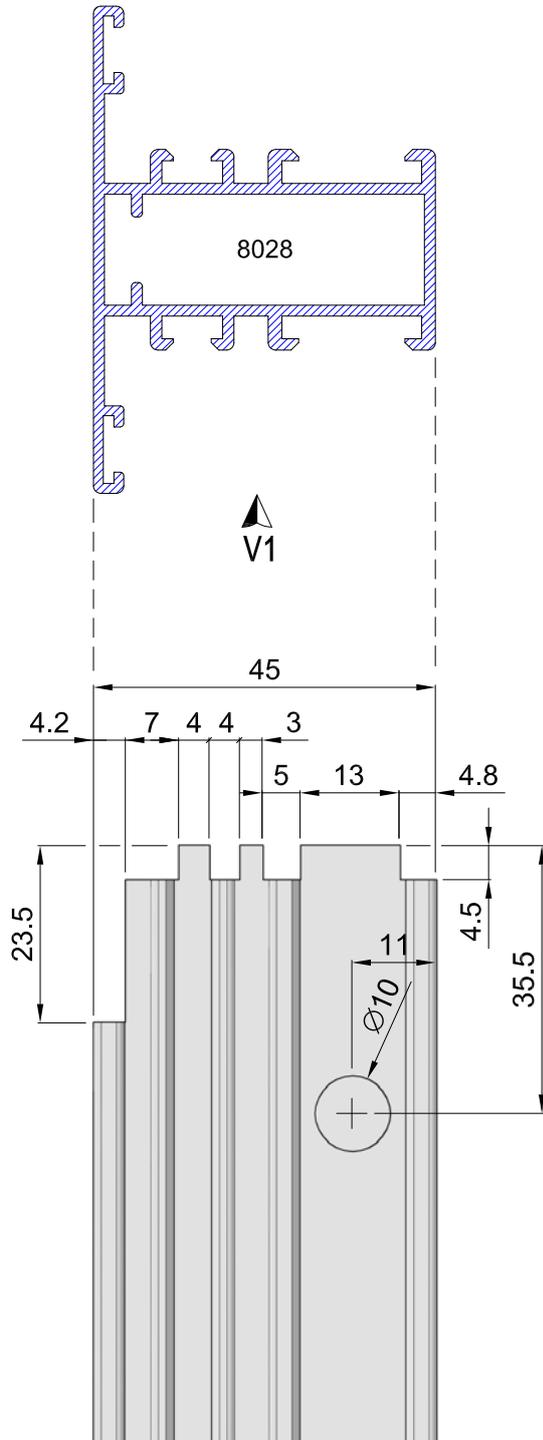
Mecanizado pestañas canal herraje
M2

V1
1:1



Mecanizado cremona
M1

V2
1:1



Mecanizado zanca	V1
M6 (solo hace el taladro)	1:1

Aluminio en arquitectura e industria soluciones y diseño

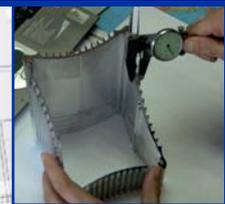
El Concepto **extrugasa** se apoya en tres pilares básicos que son los principales para el desarrollo de carpinterías con proyección y futuro:

- El **ahorro de energía**, ya que una carpintería de RPT con perfiles de aluminio bien concebida, y bien fabricada, junto a una buena instalación, es un factor determinante para conseguir un ahorro de energía eficaz.

- El **reciclado de los recortes de producción de los perfiles aluminio**, junto con los recortes que nos entregan los clientes, más la retirada del mercado de perfiles obsoletos permite, evidentemente, reducir la energía necesaria para la producción de nuevo material a nuestros proveedores, y mantener un perfecto equilibrio en el medio ambiente.

- **Optimización de los componentes de la materia prima**. Siendo el aluminio más puro nos permite garantizar una durabilidad y un envejecimiento mucho más tardío, lo cual nos garantiza que en las obras con cerramientos de aluminio, la existencia de degradación sea nula.

Extrugasa símbolo de calidad y desarrollo constante



Certificados de Calidad



extrugasa se reserva la posibilidad de aportar las modificaciones que crea oportuno a los productos presentes en este catálogo sin ningún preaviso. Este catálogo anula los anteriores.

extrugasa no se responsabilizará de los defectos que se produzcan ni del mal funcionamiento de sus sistemas, si no se ha fabricado bajo las directrices o con productos no suministrados por Extrugasa.



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14 Vo.1

extrusionado, lacado, anodizado y mecanizado del aluminio

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