



mallorquina  
kikau

**EXTRUAL**

sistemas ■ ■ ■



Sistema de Mallorquina que permite la realización de Ventanas y Puertas Practicables, Plegables y Correderas, se complementa con el Sistema E-28 con el que comparte todos los perfiles complementarios.

La solución para apertura plegable permite la fabricación de paños acristalados con un peso máximo por hoja de 60Kg y un ancho de acristalamiento máximo de 28mm.

Perfilería extruida en aluminio de primera fusión en aleación 6063, tratamiento térmico T5, según normas EN 515, EN 573-3 y EN 755-2, bajo certificación ISO 9001. Las tolerancias dimensionales y de espesor se ajustan a la norma UNE-EN 12020-2

Protección superficial; Lacado con garantía QUALICOAT-SEASIDE con un espesor mínimo de 60 micras, o Anodizado con un espesor mínimo de 15 micras con garantía QUALANOD (EWAA-EURAS)

Los herrajes han sido diseñados o seleccionados por EXTRUAL, a través de los distintos ensayos realizados aseguran la calidad del producto final.

Las dimensiones de corte indicadas en este catálogo son teóricas, y pueden verse afectadas minimamente por las tolerancias de extrusión de los perfiles o por los tratamientos de lacado y anodizado, así mismo deben ser adaptadas a la precisión de las máquinas de corte de cada taller, por lo que es aconsejable fabricar una muestra para su control dimensional.

Es fundamental realizar las salidas de evacuación de agua en marcos y cámaras de acristalamiento, colocar vierteaguas en las hojas y sellar correctamente los cortes e ingletes de perfiles y juntas para evitar infiltraciones.

Sólo se garantiza el correcto funcionamiento del sistema si se han utilizado los perfiles y accesorios propios del mismo recogidos en este catálogo o en su caso recomendados por EXTRUAL.

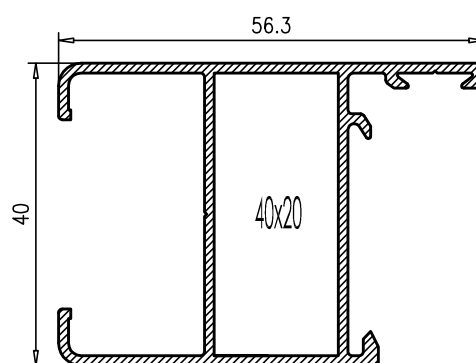
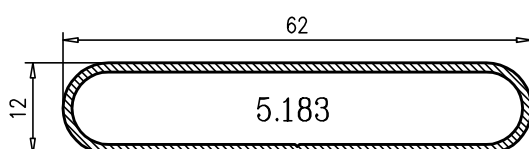
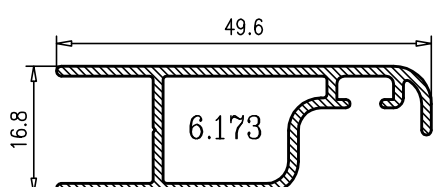
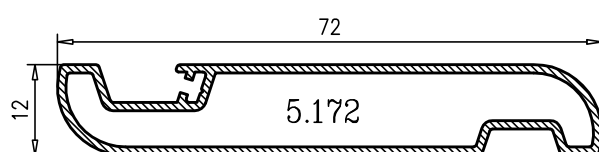
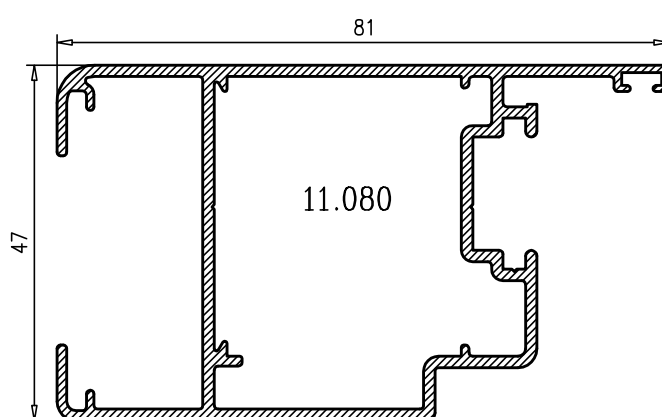
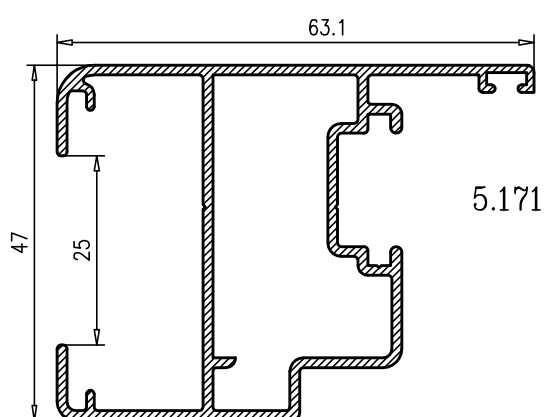
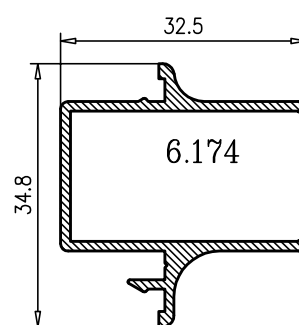
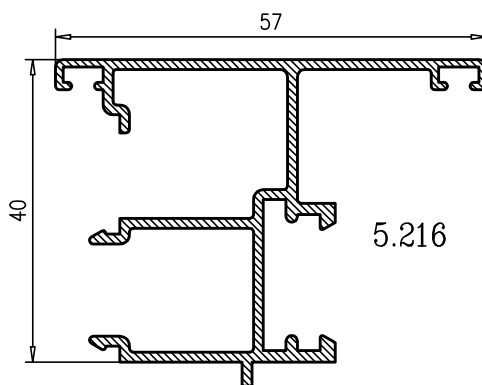
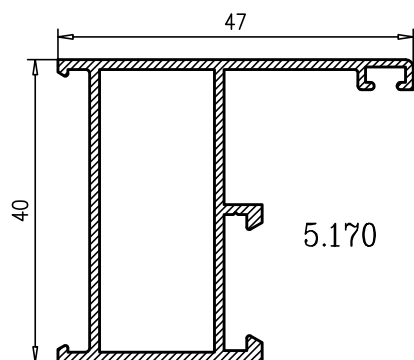
Los momentos de inercia indicados para cada perfil están calculados respecto a los ejes X-Y con origen en el centro de gravedad de la sección transversal del perfil.

Las dimensiones máximas de los cerramientos, su fabricación, acristalamiento y puesta en obra de los productos contruidos con los sistemas EXTRUAL deben cumplir la Normativa UNE e Instrucciones Técnicas vigentes.

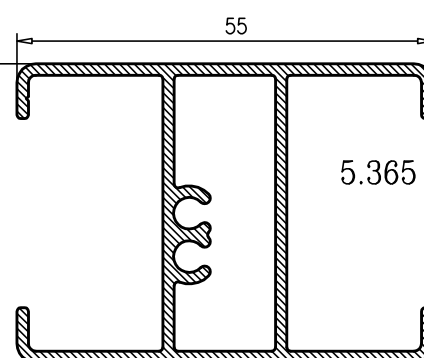
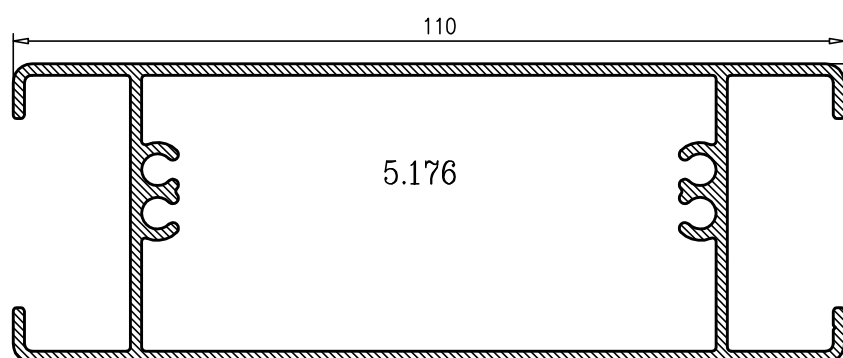
Todos los perfiles y accesorios que aparecen en este catálogo son propios de EXTRUAL, no pudiendo ser copiados o modificados sin autorización.

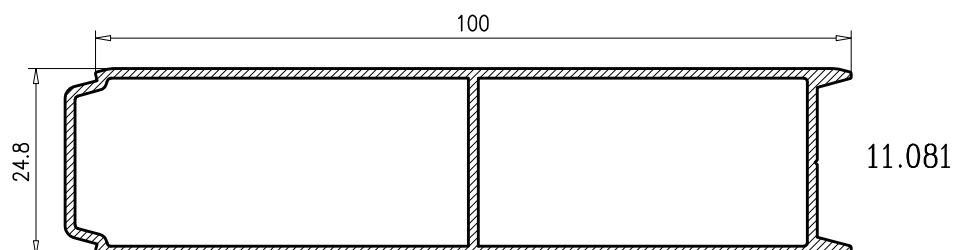
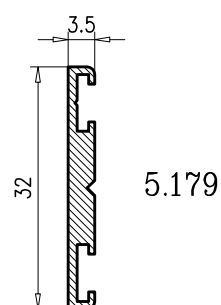
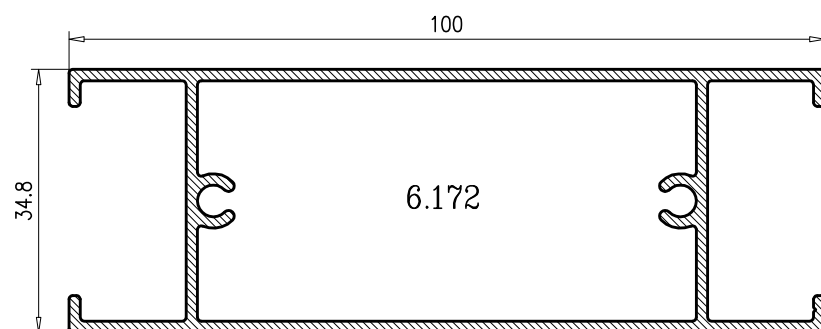
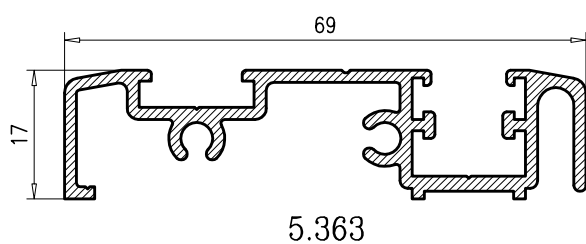
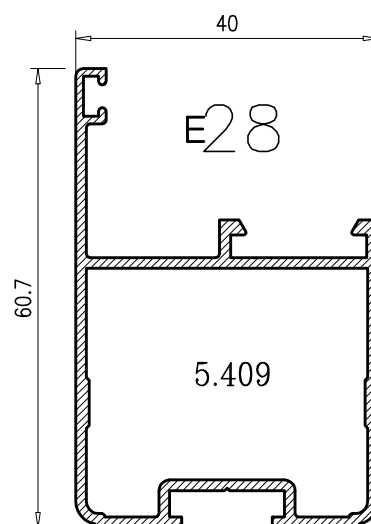
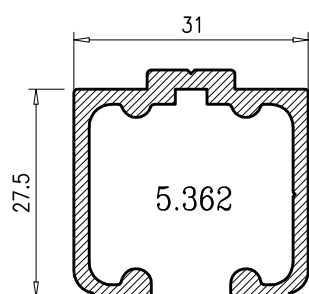
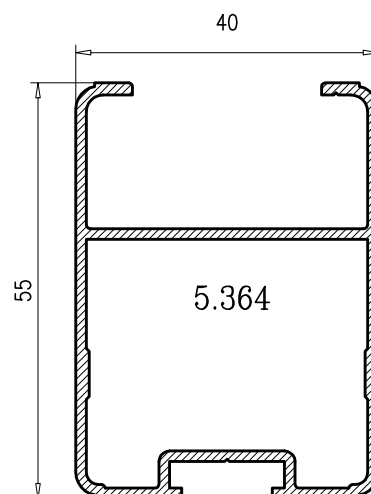
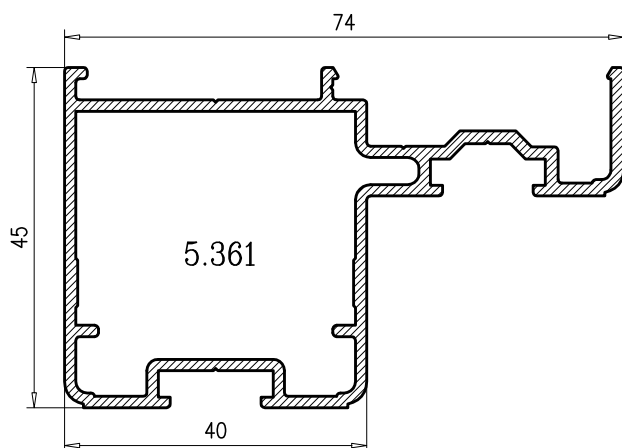
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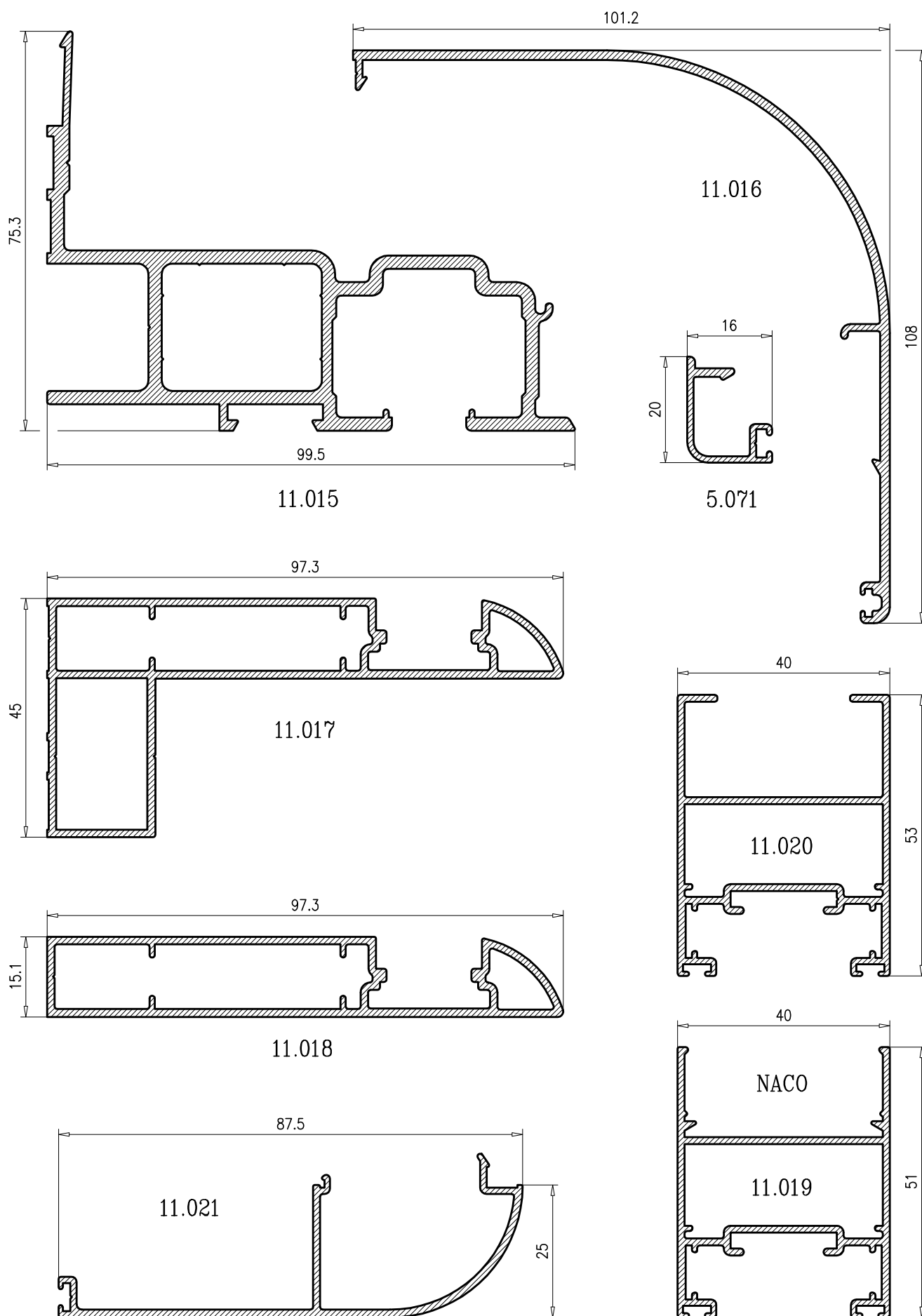
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5.175

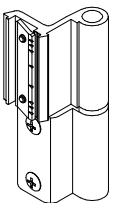






# Mallorquina Kikau

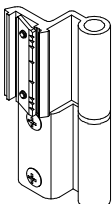
Bisagra



2 Bisagras: 80Kg  
3 Bisagras: 90Kg

Desmontada. 04.APS.B11  
Montada Hoja Dcha. 04.APS.B11.D  
Montada Hoja Izda. 04.APS.B11.I

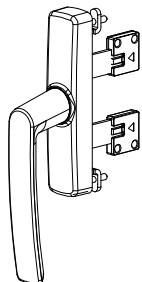
Bisagra 2ª Hoja y Maco Coplanar int.



2 Bisagras: 80Kg  
3 Bisagras: 90Kg

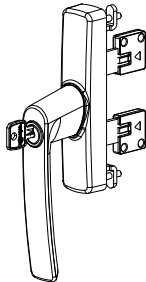
Desmontada. 04.AP.B15

Cremona Apertura exterior



04.APF.C05

Cremona Ap. Exterior con Llave



04.APF.C08

Perno de conexión



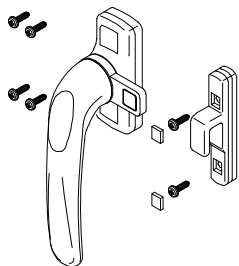
04.APL.C07

Falleba Poliamida



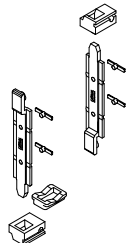
Rollo de 250mts: 04.TRO.PFR  
Barra de 6mts: 38.PP.004

Cierre de Presión



04.APB.CP1

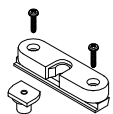
kit de Cierre Apertura Exterior



Altura Mínima de Hoja: 350mm

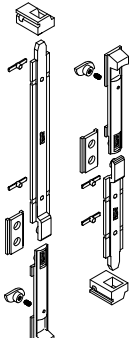
04.APS.006

Cierre presión 2ª Hoja



04.AP.018

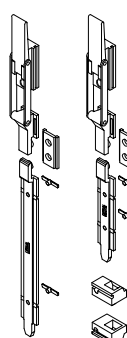
kit de Cierre Hoja Pasiva



Altura Mínima de Hoja: 520mm

04.APS.002

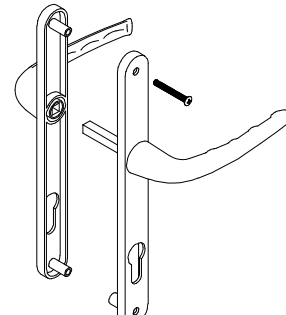
kit de Cierre Hoja Pasiva con leva



Altura Mínima de Hoja: 670mm

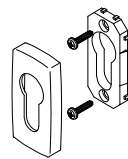
04.APS.003

Juego Manillas recuperables con placa



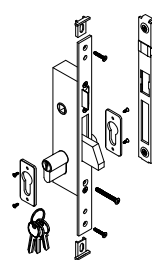
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Escudo embellecedor



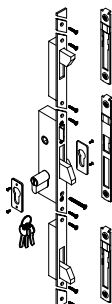
04.CEP.002

Cerradura resbalon y palanca



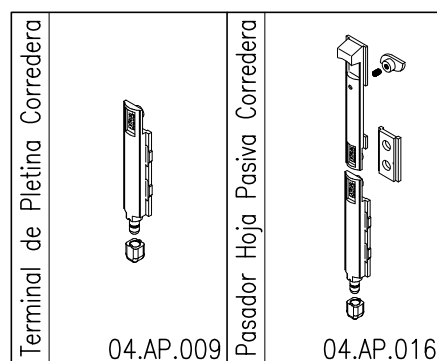
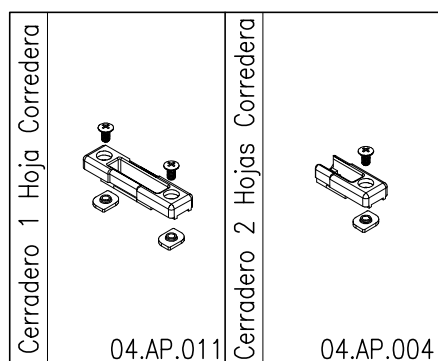
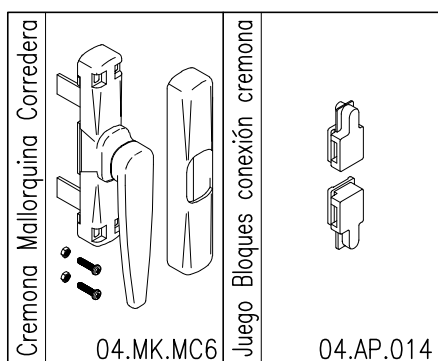
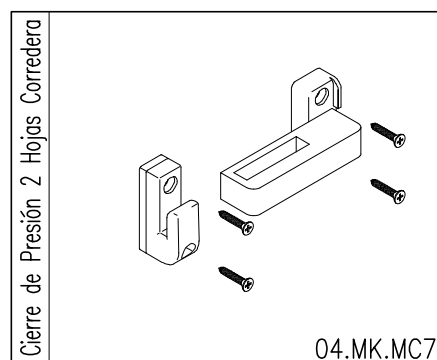
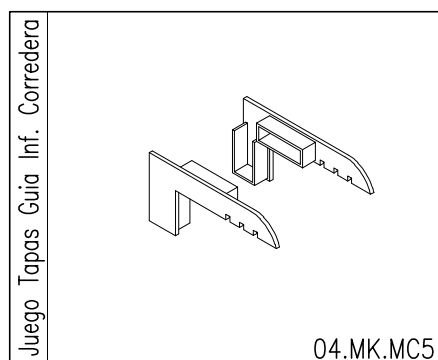
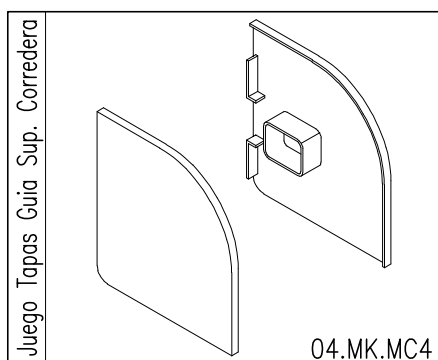
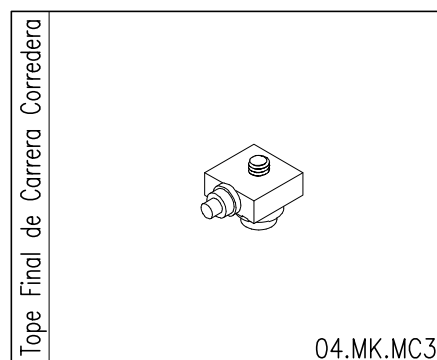
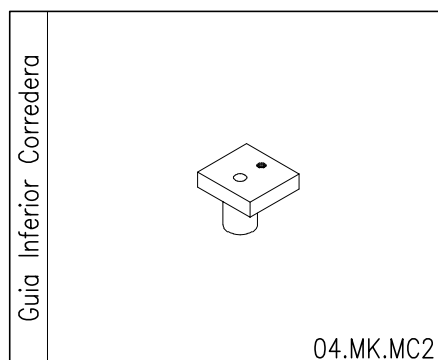
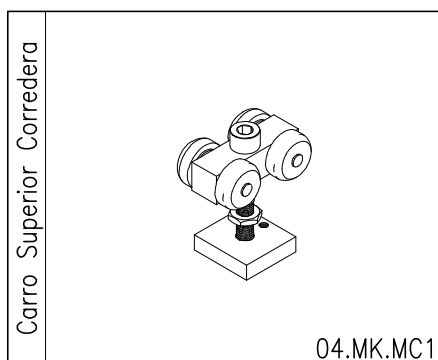
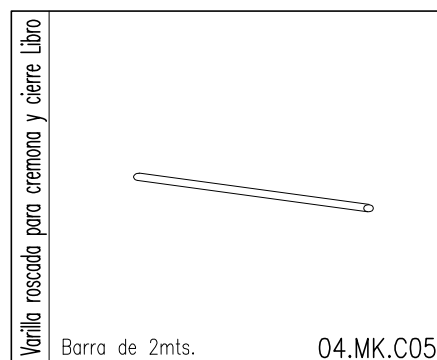
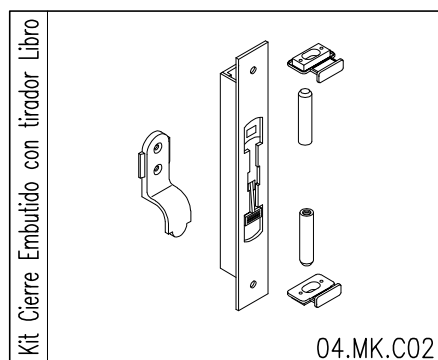
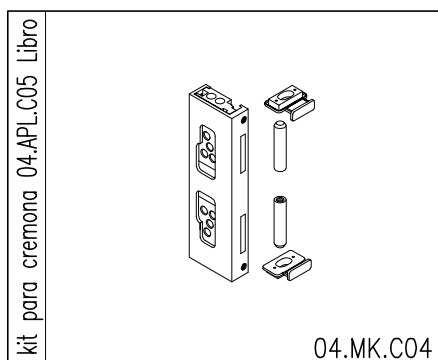
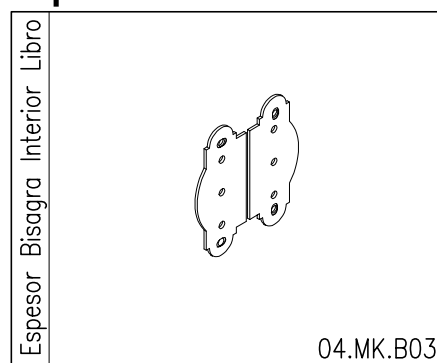
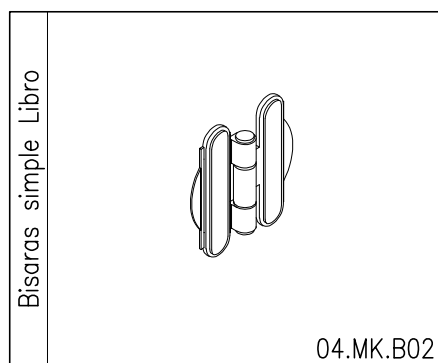
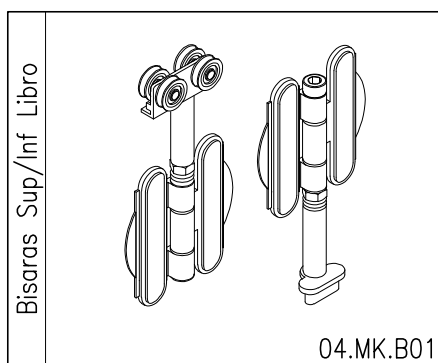
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C.Multipunto resbalón y palancas



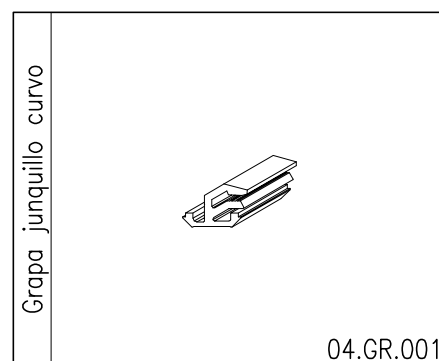
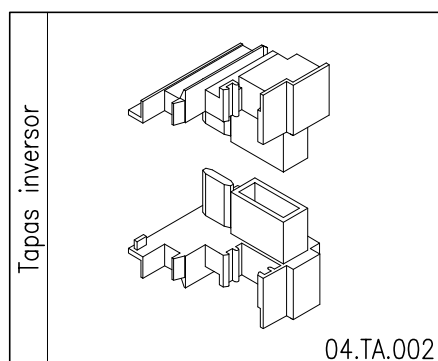
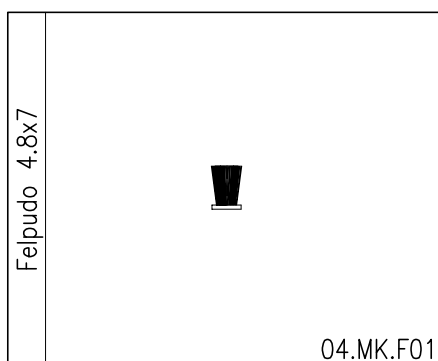
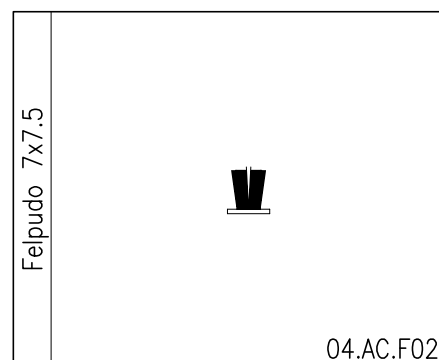
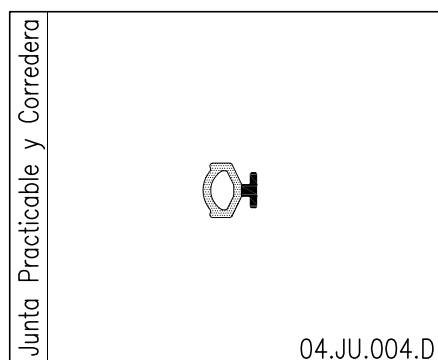
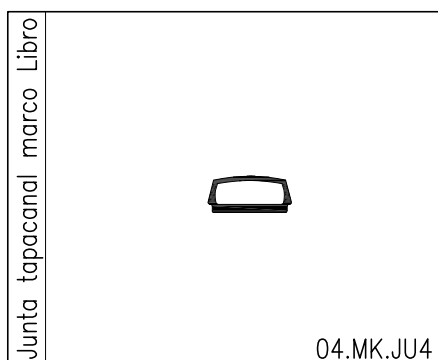
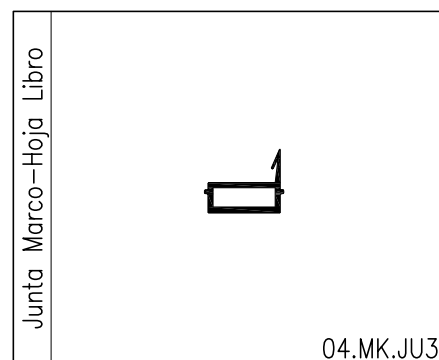
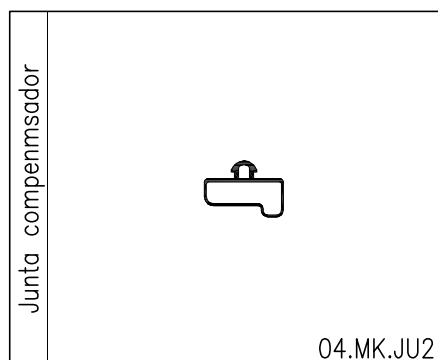
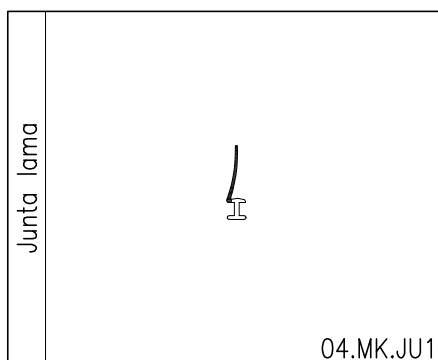
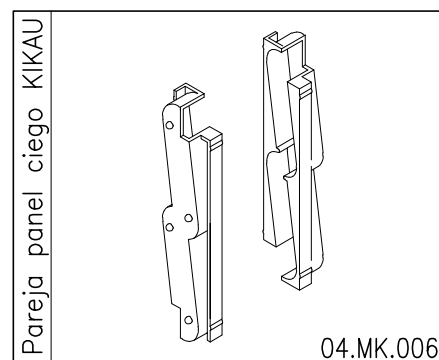
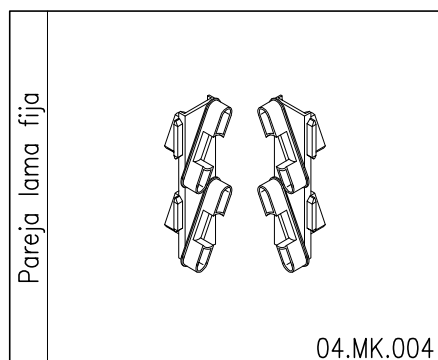
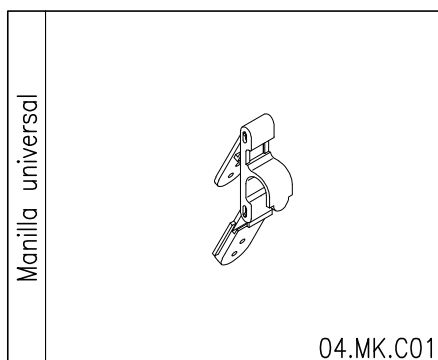
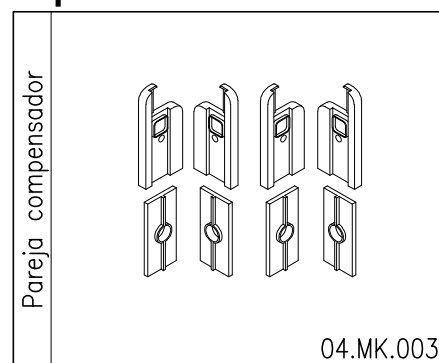
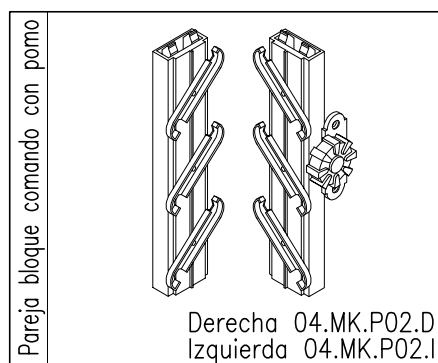
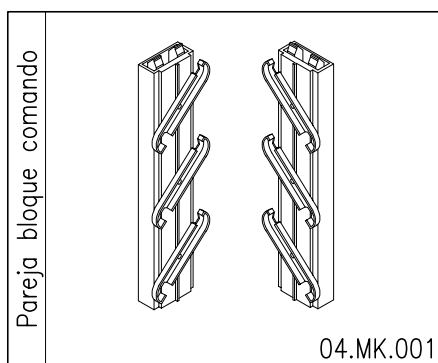
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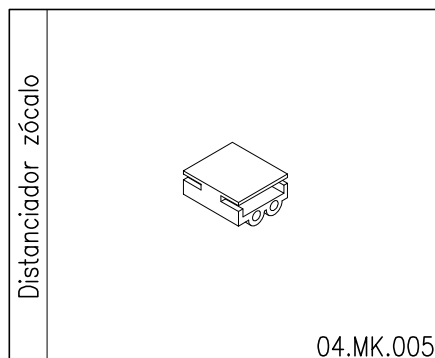
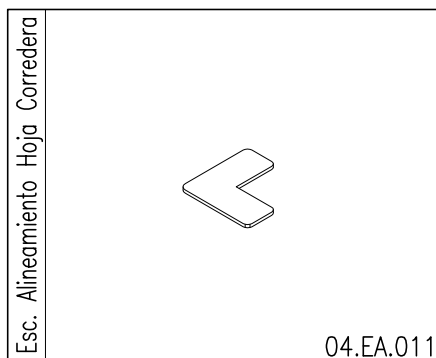
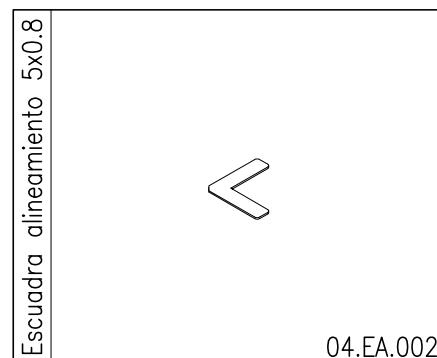
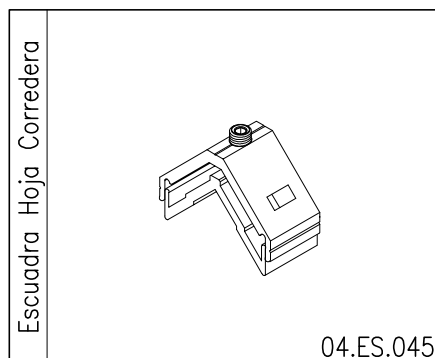
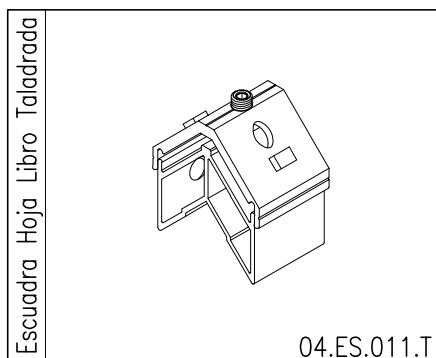
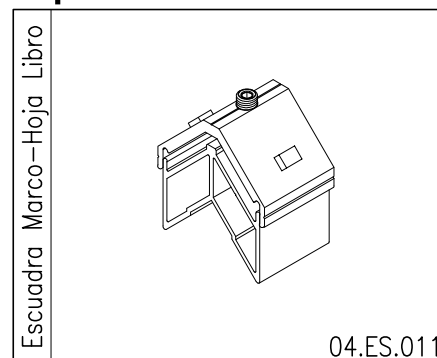
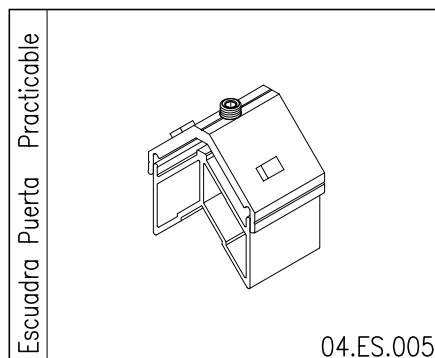
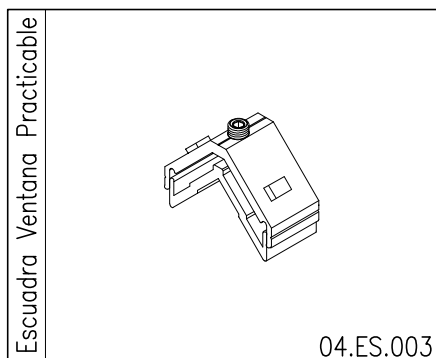
# Mallorquina Kikau





# Mallorquina Kikau



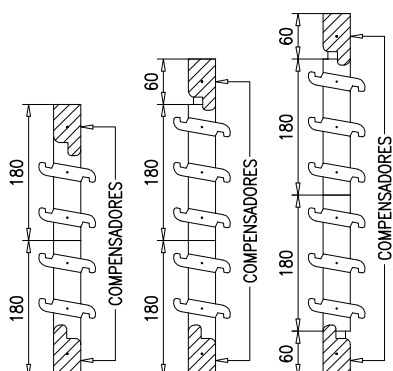


## Operaciones Troquel 04.TRO.S22

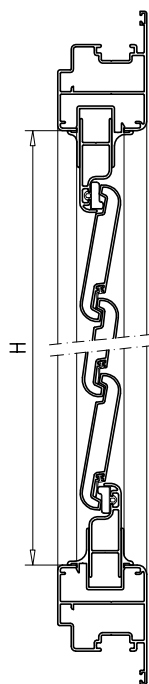
- Punzonado para Escuadra en Marcos y Hojas
- Despunte de los nervios guía falleba en Hojas
- Punzonado en los extremos de la pletina falleba

**ESTE TROQUEL SE UTILIZA TAMBIEN PARA LOS SISTEMAS 16, 22, 25, 25/70, 28, 36, 45, y 54**

## INSTRUCCIONES PARA CÁLCULO DE N° DE BLOQUES DE COMANDO Y UTILIZACIÓN DEL COMPENSADOR.



| BLOQUE COMANDO<br>04.MK.001<br>N° DE PAREJAS | H en mm.<br>COMPENSACION<br>DE A |
|----------------------------------------------|----------------------------------|
| 2                                            | 300 – 480                        |
| 3                                            | 480 – 660                        |
| 4                                            | 660 – 840                        |
| 5                                            | 840 – 1.020                      |
| 6                                            | 1.020 – 1.200                    |
| 7                                            | 1.200 – 1.380                    |
| 8                                            | 1.380 – 1.560                    |
| 9                                            | 1.560 – 1.740                    |
| 10                                           | 1.740 – 1.920                    |
| 11                                           | 1.920 – 2.100                    |
| 12                                           | 2.100 – 2.280                    |



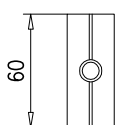
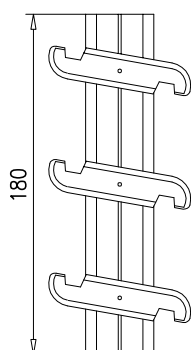
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|----------------------------------------------|----------------------------------|----------------------------------|----------------------------------|
| 2                                            | 300 – 360                        | 360 – 420                        | 420 – 480                        |
| 3                                            | 480 – 540                        | 540 – 600                        | 600 – 660                        |
| 4                                            | 660 – 720                        | 720 – 780                        | 780 – 840                        |
| 5                                            | 840 – 900                        | 900 – 960                        | 960 – 1.020                      |
| 6                                            | 1.020 – 1.080                    | 1.080 – 1.140                    | 1.140 – 1.200                    |
| 7                                            | 1.200 – 1.260                    | 1.260 – 1.320                    | 1.320 – 1.380                    |
| 8                                            | 1.380 – 1.440                    | 1.440 – 1.500                    | 1.500 – 1.560                    |
| 9                                            | 1.560 – 1.620                    | 1.620 – 1.680                    | 1.680 – 1.740                    |
| 10                                           | 1.740 – 1.800                    | 1.800 – 1.860                    | 1.860 – 1.920                    |
| 11                                           | 1.920 – 1.980                    | 1.980 – 2.040                    | 2.040 – 2.100                    |
| 12                                           | 2.100 – 2.160                    | 2.160 – 2.220                    | 2.220 – 2.280                    |

### ATENCIÓN:

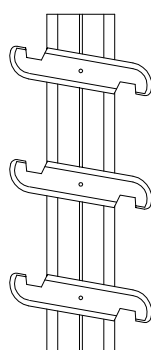
La tabla indica el número total de parejas (04.MK.001) necesarias si se utiliza la manilla universal (04.MK.C01), en caso de utilizar para la movimentación las referencias 04.MK.002.D/I ó 04.MK.P02.D/I hay que descontar 1 pareja.

Longitud máxima de la lama 750mm

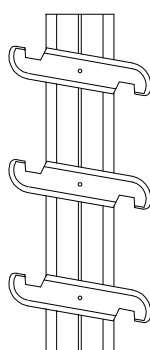
## COMPENSACIÓN CON MÓDULO DE 60mm. 04.MK.003



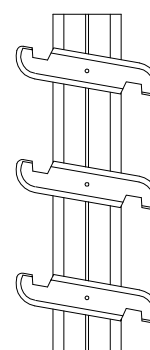
①



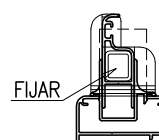
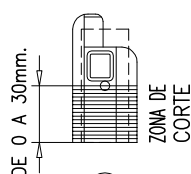
②



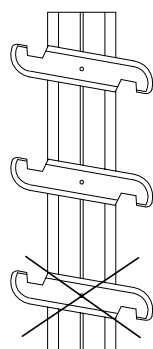
③



④

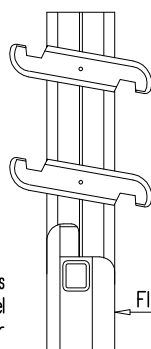


## COMPENSACIÓN DIRECTA SOBRE BLOQUE DE COMANDO 04.MK.001

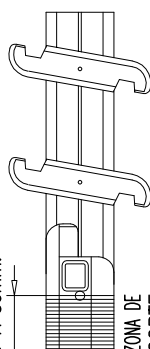


①

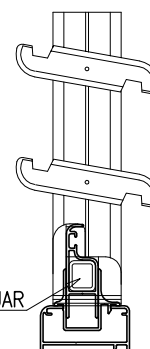
Desmontar portalamas  
y colocar en su lugar el  
compensador



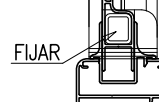
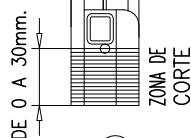
②



③



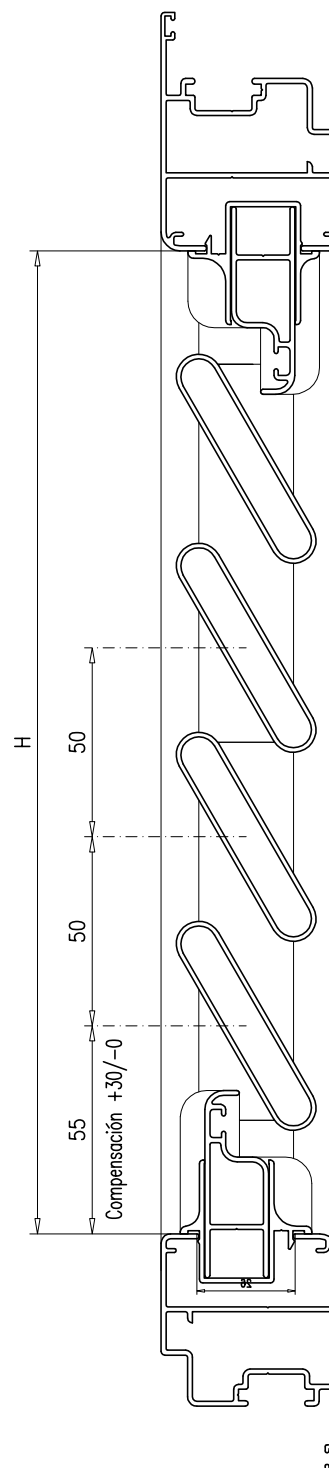
④



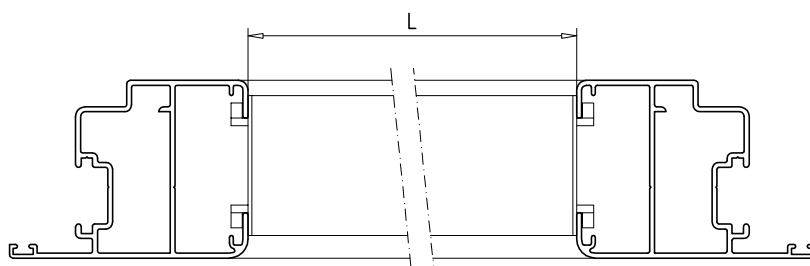
## INSTRUCCIONES PARA CÁLCULO DE Nº PAREJAS PARA LAMA FIJA Y UTILIZACIÓN DEL COMPENSADOR.

| 04.MK.004<br>Nº DE PAREJAS | H en mm.<br>COMPENSACION<br>DE A |
|----------------------------|----------------------------------|
| 2                          | 260 – 320                        |
| 2,5                        | 310 – 370                        |
| 3                          | 360 – 420                        |
| 3,5                        | 410 – 470                        |
| 4                          | 460 – 520                        |
| 4,5                        | 510 – 570                        |
| 5                          | 560 – 620                        |
| 5,5                        | 610 – 670                        |
| 6                          | 660 – 720                        |
| 6,5                        | 710 – 770                        |
| 7                          | 760 – 820                        |
| 7,5                        | 810 – 870                        |
| 8                          | 860 – 920                        |
| 8,5                        | 910 – 970                        |
| 9                          | 960 – 1.020                      |
| 9,5                        | 1.010 – 1.070                    |
| 10                         | 1.060 – 1.120                    |
| 10,5                       | 1.110 – 1.170                    |
| 11                         | 1.160 – 1.220                    |

| 04.MK.004<br>Nº DE PAREJAS | H en mm.<br>COMPENSACION<br>DE A |
|----------------------------|----------------------------------|
| 11,5                       | 1.210 – 1.270                    |
| 12                         | 1.260 – 1.320                    |
| 12,5                       | 1.310 – 1.370                    |
| 13                         | 1.360 – 1.420                    |
| 13,5                       | 1.410 – 1.470                    |
| 14                         | 1.460 – 1.520                    |
| 14,5                       | 1.510 – 1.570                    |
| 15                         | 1.560 – 1.620                    |
| 15,5                       | 1.610 – 1.670                    |
| 16                         | 1.660 – 1.720                    |
| 16,5                       | 1.710 – 1.770                    |
| 17                         | 1.760 – 1.820                    |
| 17,5                       | 1.810 – 1.870                    |
| 18                         | 1.860 – 1.920                    |
| 18,5                       | 1.910 – 1.970                    |
| 19                         | 1.960 – 2.020                    |
| 19,5                       | 2.010 – 2.070                    |
| 20                         | 2.060 – 2.120                    |
| 20,5                       | 2.110 – 2.170                    |



5.183, LAMA FIJA: L – 2  
 6.173, MEDIA LAMA: L – 10  
 6.174, COMPENSADOR: L – 16



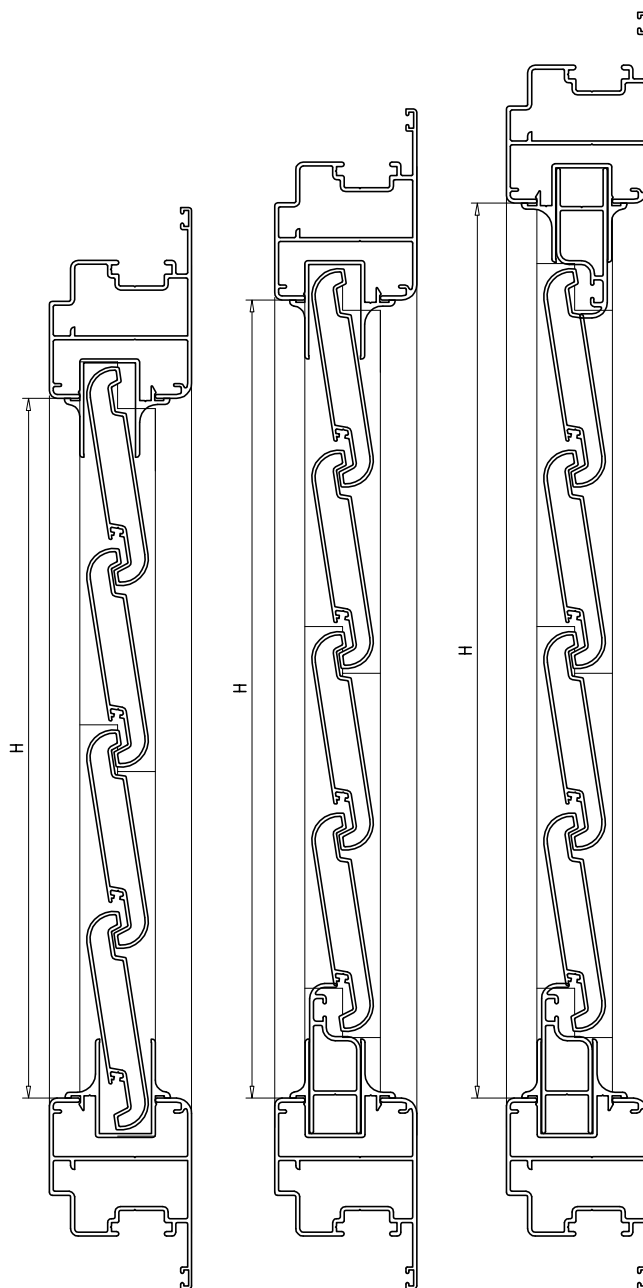
## INSTRUCCIONES PARA CÁLCULO DE N° PAREJAS PARA PANEL CIEGO Y UTILIZACIÓN DEL COMPENSADOR.

Sin Compensadores

1 Compensador

2 Compensadores

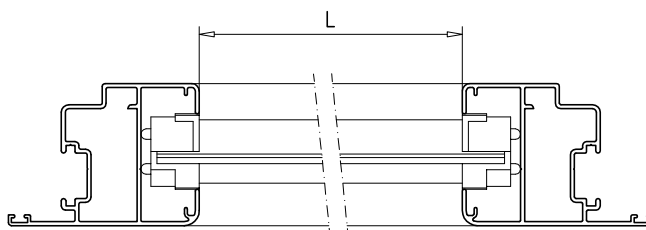
|                            | Sin Compensadores                                                                 | 1 Compensador                                                                     | 2 Compensadores                                                                   |
|----------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
|                            |  |  |  |
| 04.MK.006<br>N° DE PAREJAS | H en mm.<br>COMPENSACION<br>DE A                                                  | H en mm.<br>COMPENSACION<br>DE A                                                  | H en mm.<br>COMPENSACION<br>DE A                                                  |
| 2                          | 235 – 270                                                                         | 265 – 315                                                                         | 300 – 355                                                                         |
| 3                          | 355 – 390                                                                         | 385 – 435                                                                         | 420 – 475                                                                         |
| 4                          | 475 – 510                                                                         | 505 – 555                                                                         | 540 – 595                                                                         |
| 5                          | 595 – 630                                                                         | 625 – 675                                                                         | 660 – 715                                                                         |
| 6                          | 715 – 750                                                                         | 745 – 795                                                                         | 780 – 835                                                                         |
| 7                          | 835 – 870                                                                         | 865 – 915                                                                         | 900 – 955                                                                         |
| 8                          | 955 – 990                                                                         | 985 – 1.035                                                                       | 1.020 – 1.075                                                                     |
| 9                          | 1.075 – 1.110                                                                     | 1.105 – 1.155                                                                     | 1.140 – 1.195                                                                     |
| 10                         | 1.195 – 1.230                                                                     | 1.225 – 1.275                                                                     | 1.260 – 1.315                                                                     |
| 11                         | 1.315 – 1.350                                                                     | 1.345 – 1.395                                                                     | 1.380 – 1.435                                                                     |
| 12                         | 1.435 – 1.470                                                                     | 1.465 – 1.515                                                                     | 1.500 – 1.555                                                                     |
| 13                         | 1.555 – 1.590                                                                     | 1.585 – 1.635                                                                     | 1.620 – 1.675                                                                     |
| 14                         | 1.675 – 1.710                                                                     | 1.705 – 1.755                                                                     | 1.740 – 1.795                                                                     |
| 15                         | 1.795 – 1.830                                                                     | 1.825 – 1.875                                                                     | 1.860 – 1.915                                                                     |
| 16                         | 1.915 – 1.950                                                                     | 1.945 – 1.995                                                                     | 1.980 – 2.035                                                                     |
| 17                         | 2.035 – 2.070                                                                     | 2.065 – 2.115                                                                     | 2.100 – 2.155                                                                     |
| 18                         | 2.155 – 2.190                                                                     | 2.185 – 2.235                                                                     | 2.220 – 2.275                                                                     |



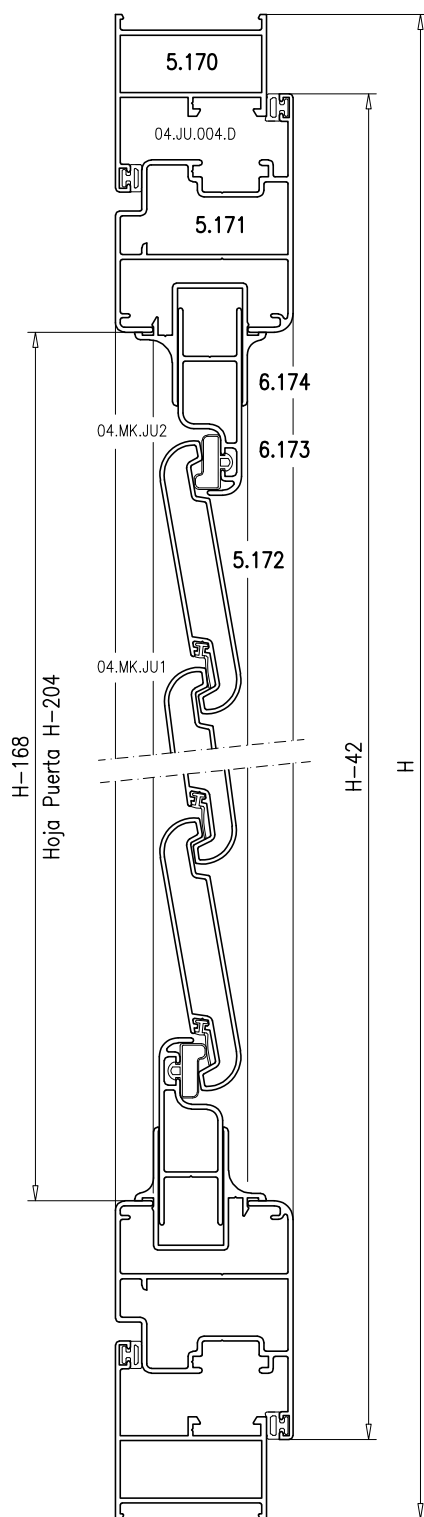
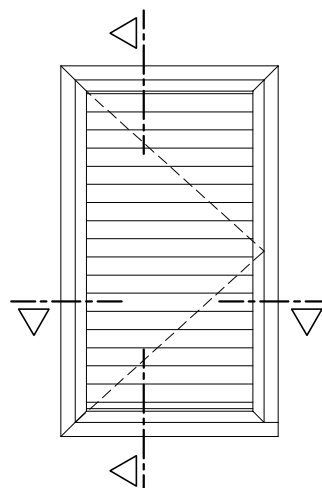
5.172, LAMA FIJA: L + 28

6.173, MEDIA LAMA: L – 10

6.174, COMPENSADOR: L – 16



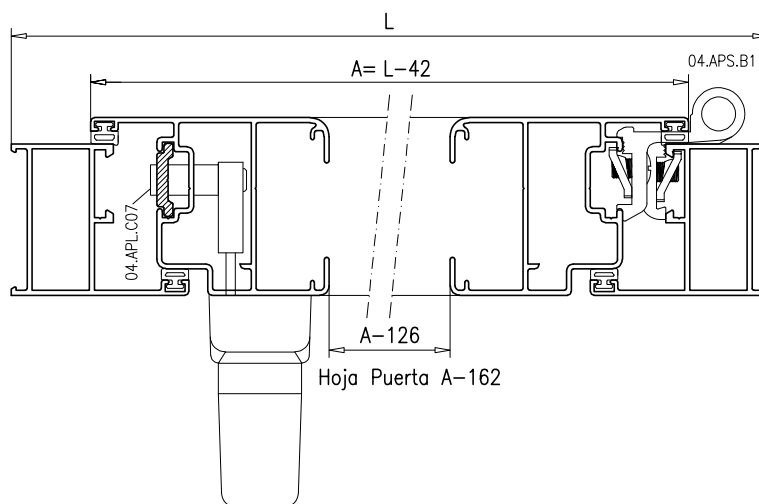
## APERTURA EXTERIOR



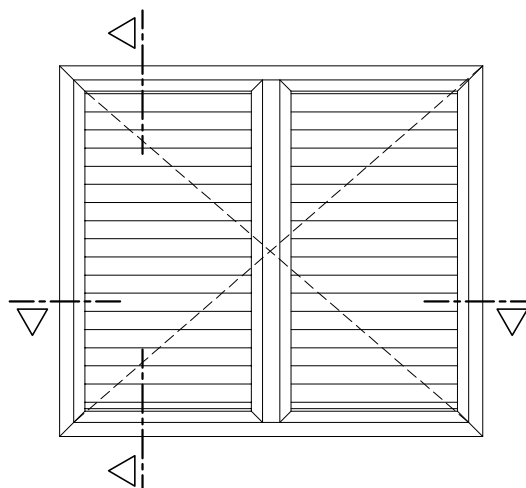
## ACCESORIOS

| REFERENCIA   | DENOMINACION               | UNIDADES |
|--------------|----------------------------|----------|
| 04.APS.B11.D | Bisagra Dcha               | 2        |
| 04.APS.B11.I | Bisagra Izda.              |          |
| 04.APF.C05   | Cremona                    | 1        |
| 04.APL.C07   | Perno de Conexión          | 2        |
| 38.PP.004    | Falleba                    | ~1H      |
| 04.APS.006   | Kit de Cierre Ap. Exterior | 1        |
| 04.JU.004.D  | Junta Interior/Exterior    | 4H+4L    |
| 04.ES.003    | Escuadra Hoja Ventana      | 8        |
| 04.EA.002    | Escuadra Alineamiento      | 8        |

- 5.172, LAMA MOVIL: A-135 (con Hoja puerta A-171)  
 5.183, LAMA FIJA: A-128 (con Hoja puerta A-164)  
 6.173, MEDIA LAMA: A-136 (con Hoja puerta A-172)  
 6.174, COMPENSADOR: A-142 (con Hoja puerta A-178)



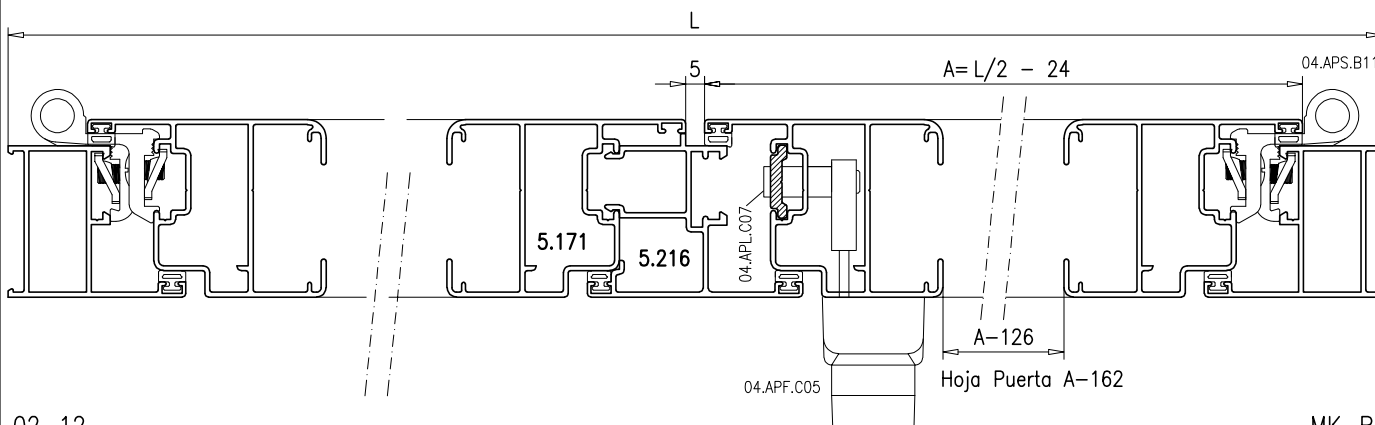
## APERTURA EXTERIOR



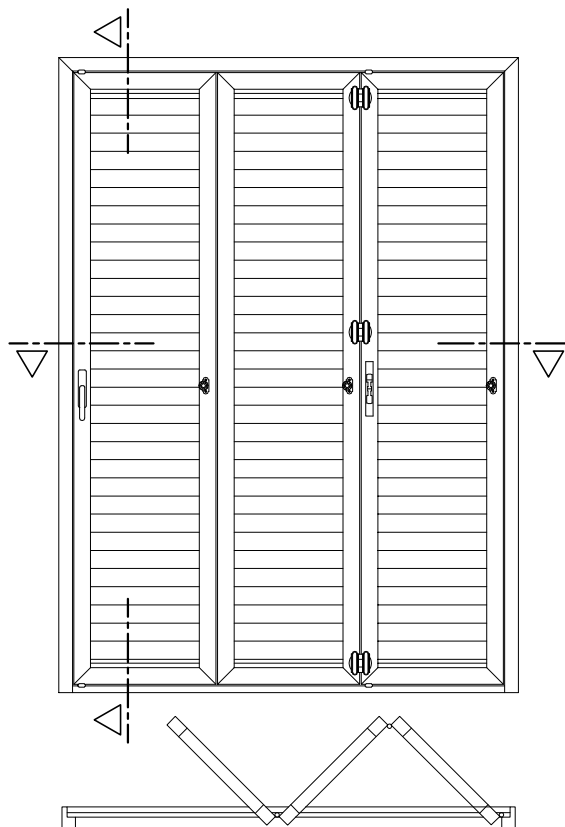
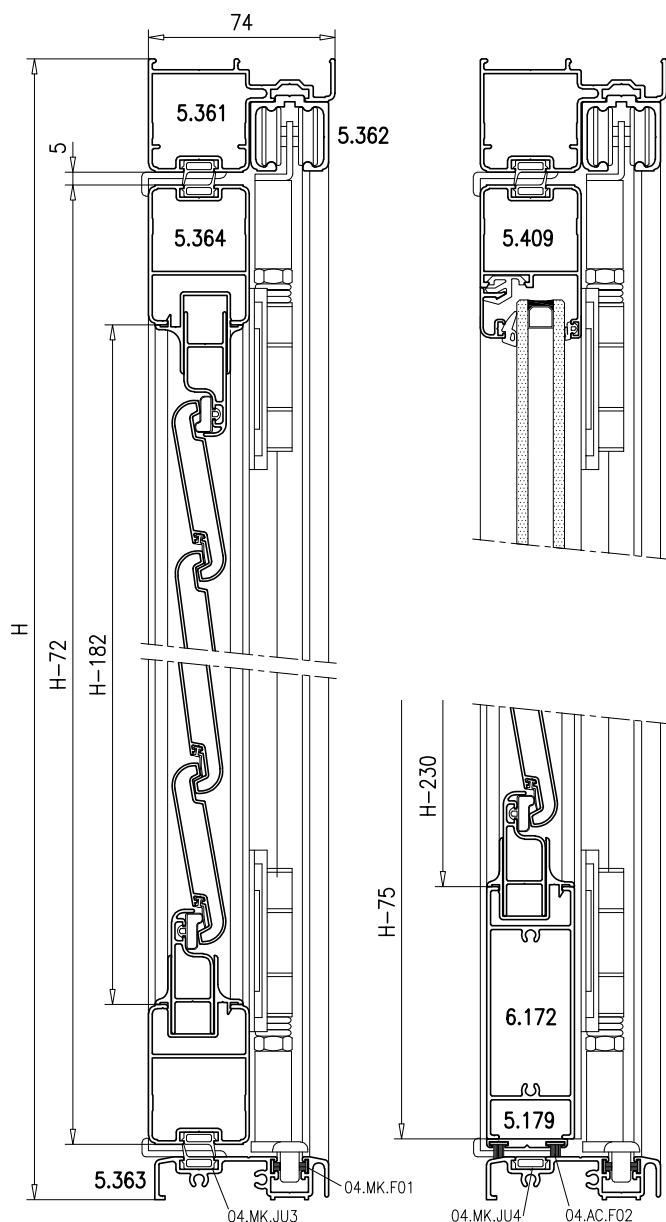
## ACCESORIOS

| REFERENCIA   | DENOMINACION               | UNIDADES |
|--------------|----------------------------|----------|
| 04.APS.B11.D | Bisagra Dcha               | 2        |
| 04.APS.B11.I | Bisagra Izda.              | 2        |
| 04.APF.C05   | Cremona                    | 1        |
| 04.APL.C07   | Perno de Conexión          | 2        |
| 38.PP.004    | Falleba                    | ~1H      |
| 04.APS.006   | Kit de Cierre Ap. Exterior | 1        |
| 04.APS.002   | kit de Cierre Hoja Pasiva  | 1        |
| 04.TA.002    | Juego Tapas Inversor       | 1        |
| 04.JU.004.D  | Junta Interior/Exterior    | 7H+4L    |
| 04.ES.003    | Escuadra Hoja Ventana      | 12       |
| 04.EA.002    | Escuadra Alineamiento      | 12       |

- 5.172, LAMA MOVIL: A-135 (con Hoja puerta A-171)  
 5.183, LAMA FIJA: A-128 (con Hoja puerta A-164)  
 6.173, MEDIA LAMA: A-136 (con Hoja puerta A-172)  
 6.174, COMPENSADOR: A-142 (con Hoja puerta A-178)

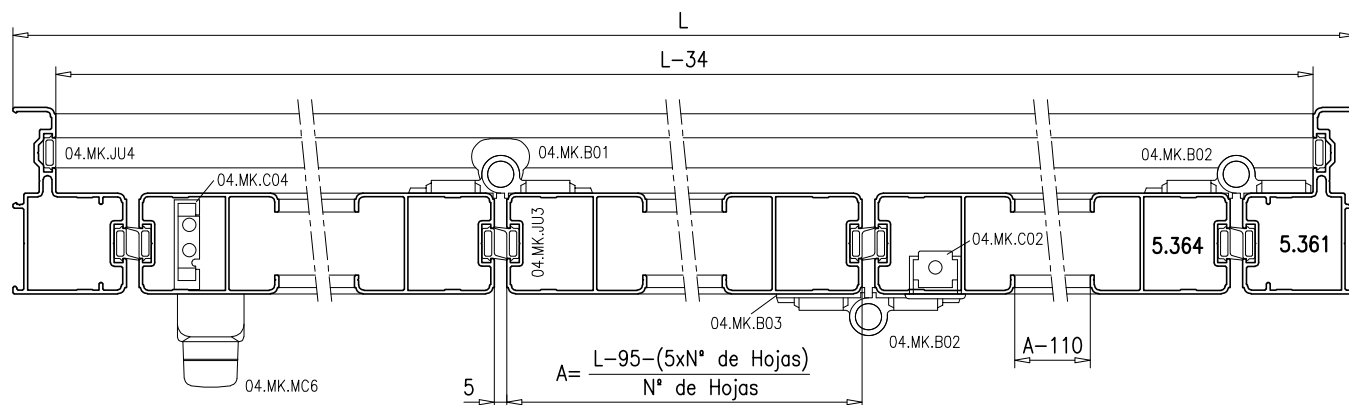


## PUERTA APERTURA DE LIBRO



### ACCESORIOS

| REFERENCIA  | DENOMINACION             | 3 HOJAS | 5 HOJAS | 7 HOJAS |
|-------------|--------------------------|---------|---------|---------|
| 04.MK.B01   | Kit Bisagras Sup/Inf     | 1       | 2       | 3       |
| 04.MK.B02   | Bisagra Simple           | 7       | 11      | 15      |
| 04.MK.B03   | Espesor Bisagra Interior | 3       | 6       | 9       |
| 04.MK.MC6   | Cremona                  | 1       | 1       | 1       |
| 04.MK.C04   | Kit Conexión Cremona     | 1       | 1       | 1       |
| 04.MK.C02   | Cierre Embutido          | 1       | 2       | 3       |
| 04.MK.C05   | Varilla Roscada          | ~2H     | ~3H     | ~4H     |
| 04.MK.JU3   | Junta Marco/Hoja         | 8H+4L   | 12H+4L  | 16H+4L  |
| 04.MK.JU4   | Junta Tapacanal Marco    | ~2H     | ~2H     | ~2H     |
| 04.MK.F01   | Felpudo 4.8x7            | ~2L     | ~2L     | ~2L     |
| 04.ES.011   | Escuadra Marco/Hoja      | 10      | 16      | 22      |
| 04.ES.011.T | Escuadra Hoja Taladrada  | 4       | 6       | 8       |



TODAS LAS HOJAS IGUALES

5.172, LAMA MOVIL: A-119

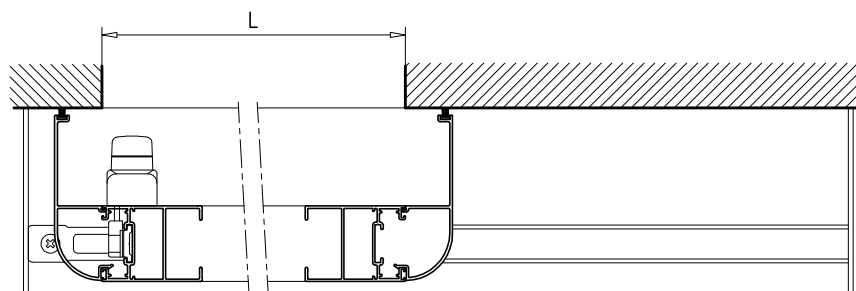
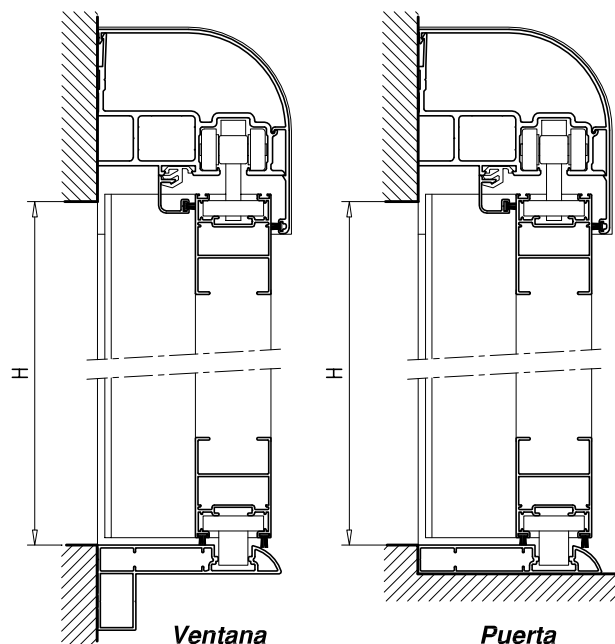
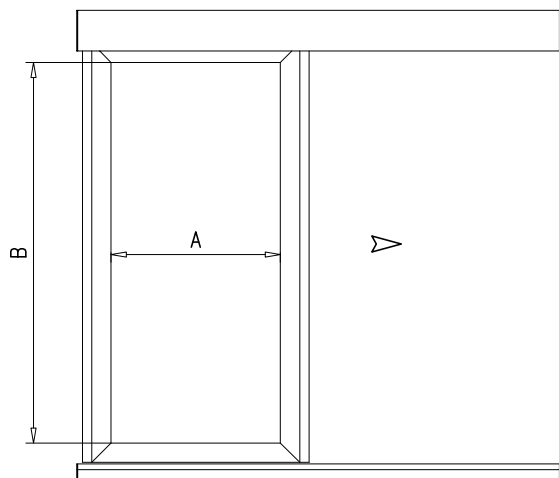
5.183, LAMA FIJA: A-112

6.173, MEDIA LAMA: A-120

6.174, COMPENSADOR: A-126



## CORREDERA 1 HOJA



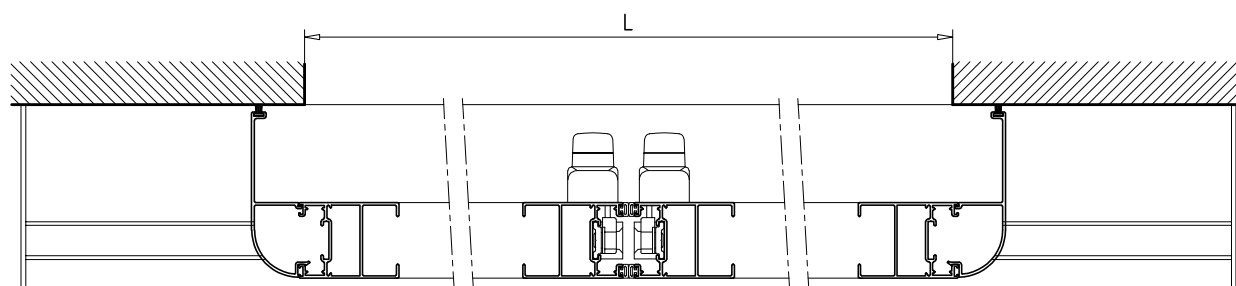
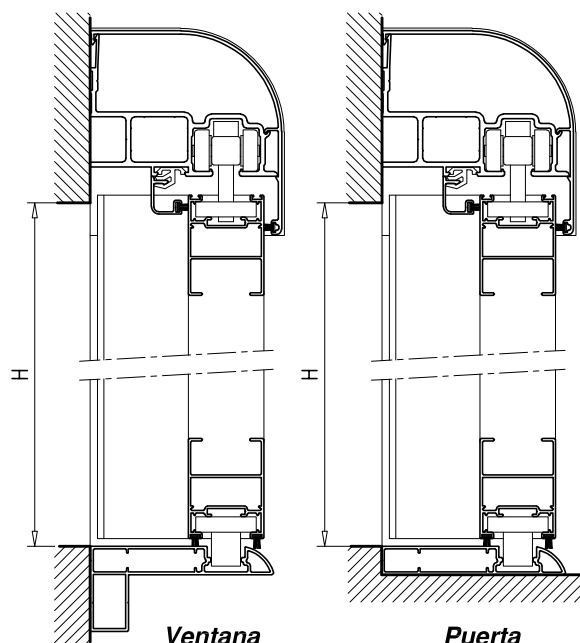
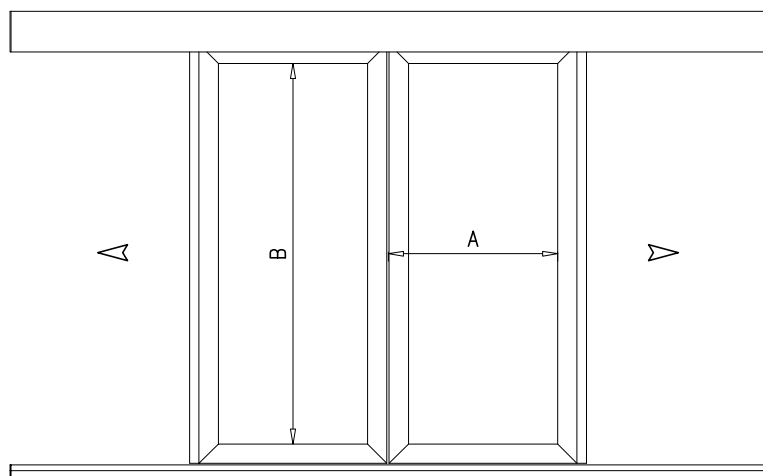
### PERFILES

| REFERENCIA | DENOMINACION                         | CANT. | CORTE   |
|------------|--------------------------------------|-------|---------|
| 11.016     | TAPA GUIA SUPERIOR                   | 1     | 2L + 60 |
| 11.015     | GUIA SUPERIOR                        | 1     | 2L + 60 |
| 5.071      | JUNQUILLO SUPERIOR                   | 1     | L + 40  |
| 11.017     | GUIA INFERIOR VENTANA                | 1     | 2L + 60 |
| 11.018     | GUIA INFERIOR PUERTA                 |       |         |
| 11.019     | HOJA NACO<br>A = L-102<br>B = H-102  | 2     | L       |
| 11.020     | HOJA KIKAU<br>A = L-106<br>B = H-106 | 2     | H       |
| 11.021     | TAPA LATERAL HOJA                    | 2     | H       |

### ACCESORIOS

| REFERENCIA | DENOMINACION               | UNIDADES  |
|------------|----------------------------|-----------|
| 04.MK.MC1  | Carro Superior             | 2         |
| 04.MK.MC2  | Guia Inferior              | 2         |
| 04.MK.MC3  | Tope final de carrera      | 1         |
| 04.MK.MC4  | Juego tapas Guia Superior  | 1         |
| 04.MK.MC5  | Juego tapas Guia Inferior  | 1         |
| 04.MK.MC6  | Cremona rebajada           | 1         |
| 04.AP.014  | Juego bloques de conexión  | 1         |
| 38.PP.004  | Pletina Falleba            | ~H-220    |
| 04.AP.009  | Terminal de pletina        | 2         |
| 04.AP.011  | Cerradero                  | 2         |
| 04.MK.F01  | Felpudo 4.8x7              | 5L+2H+100 |
| 04.ES.045  | Escuadra Hoja              | 4         |
| 04.EA.011  | Escuadra Alineamiento Hoja | 8         |
| 04.GR.001  | Grapa junquillo 5.071      | 4xml      |

## CORREDERA 2 HOJAS

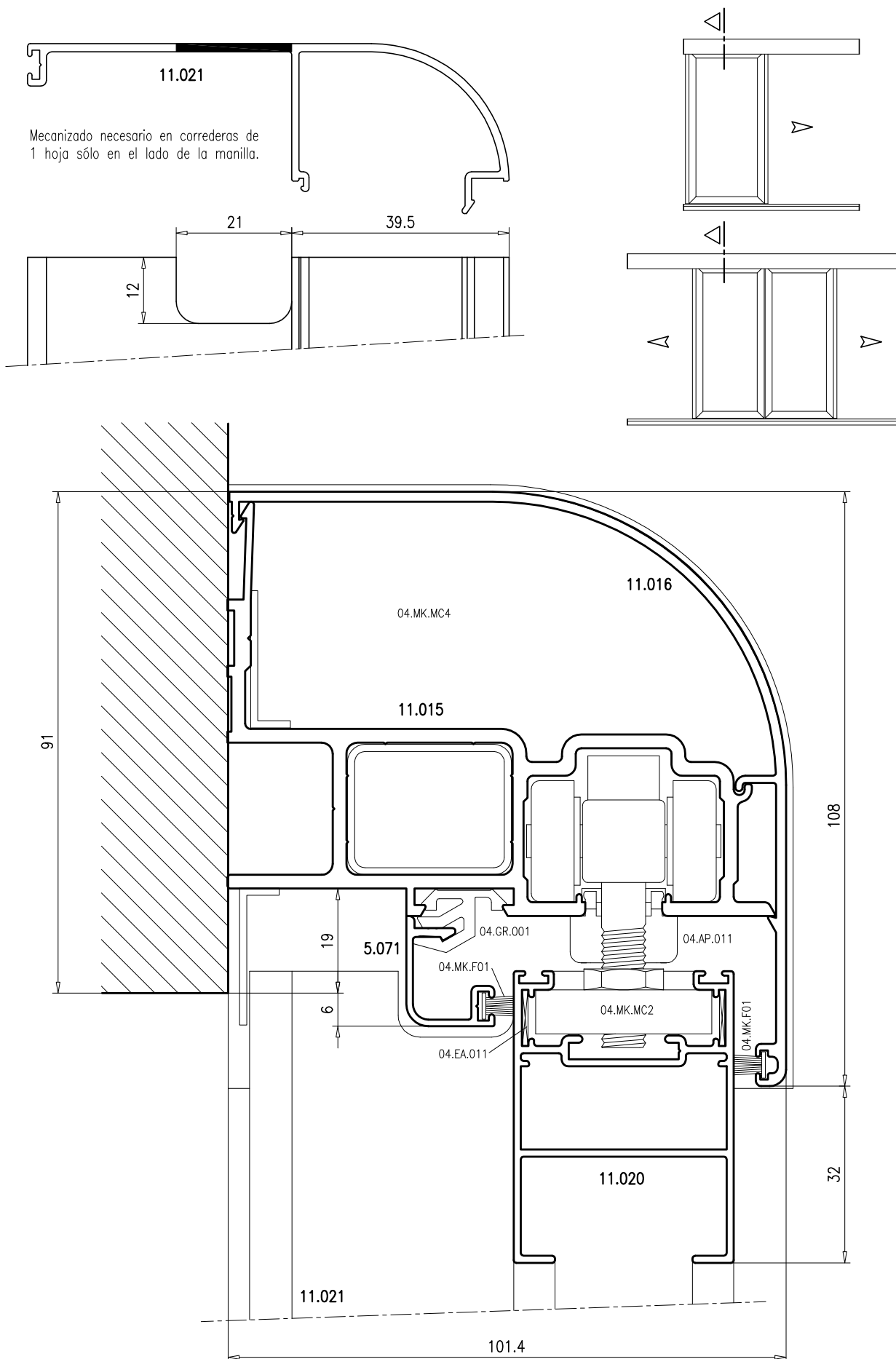


### PERFILES

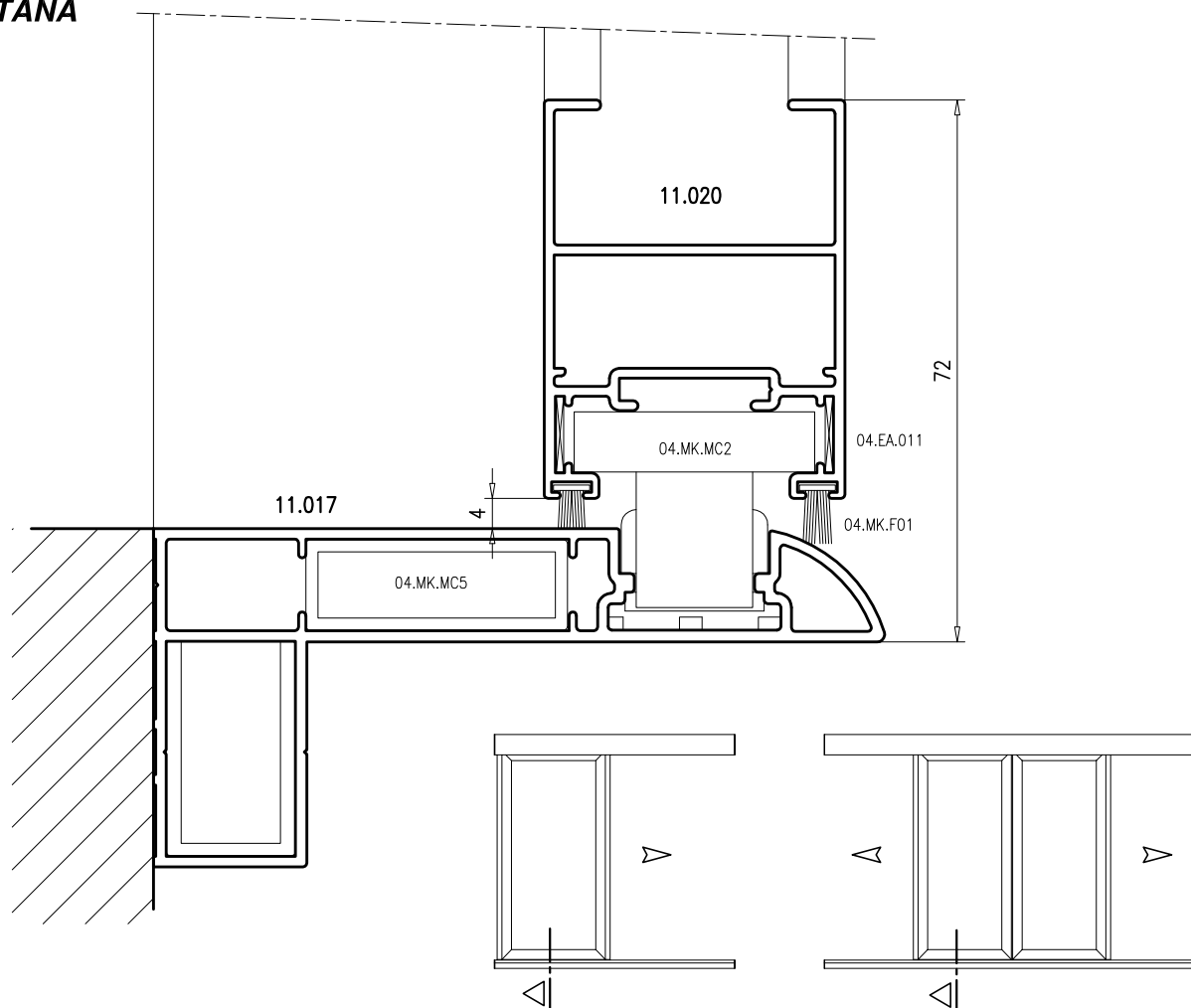
| REFERENCIA | DENOMINACION                         | CANT. | CORTE  |
|------------|--------------------------------------|-------|--------|
| 11.016     | TAPA GUIA SUPERIOR                   | 1     | 2L     |
| 11.015     | GUIA SUPERIOR                        | 1     | 2L     |
| 5.071      | JUNQUILLO SUPERIOR                   | 1     | L + 40 |
| 11.017     | GUIA INFERIOR VENTANA                | 1     | 2L     |
| 11.018     | GUIA INFERIOR PUERTA                 |       | 2L     |
| 11.019     | HOJA NACO<br>A = L-102<br>B = H-102  | 4     | L/2    |
| 11.020     | HOJA KIKAU<br>A = L-106<br>B = H-106 | 4     | H      |
| 11.021     | TAPA LATERAL HOJA                    | 2     | H      |

### ACCESORIOS

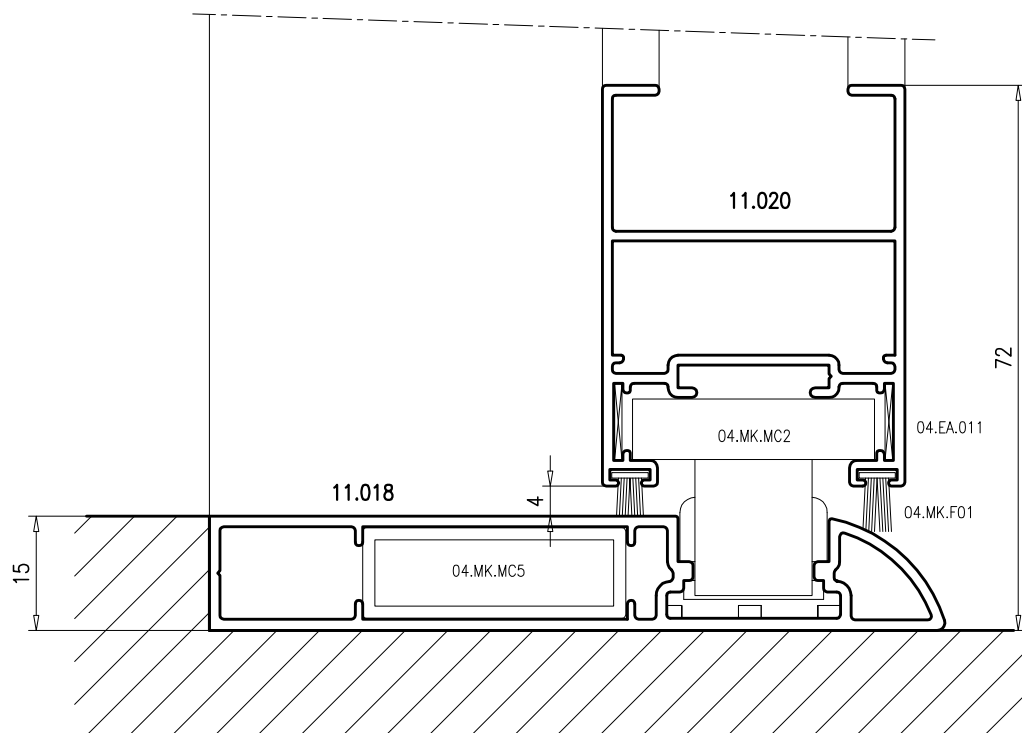
| REFERENCIA  | DENOMINACION               | UNIDADES |
|-------------|----------------------------|----------|
| 04.MK.MC1   | Carro Superior             | 4        |
| 04.MK.MC2   | Guia Inferior              | 4        |
| 04.MK.MC3   | Tope final de carrera      | 2        |
| 04.MK.MC4   | Juego tapas Guia Superior  | 1        |
| 04.MK.MC5   | Juego tapas Guia Inferior  | 1        |
| 04.MK.MC6   | Cremona rebajada           | 2        |
| 04.AP.014   | Jiuego bloques de conexión | 2        |
| 38.PP.004   | Pletina Falleba            | ~H-170   |
| 04.AP.009   | Terminal de pletina        | 2        |
| 04.AP.004   | Cerradero                  | 2        |
| 04.MK.F01   | Felpudo 4.8x7              | 5L+2H+40 |
| 04.JU.004.D | Junta cierre central       | 4H       |
| 04.ES.045   | Escuadra Hoja              | 8        |
| 04.EA.011   | Escuadra Alineamiento Hoja | 16       |
| 04.GR.001   | Grapa junquillo 5.071      | 4xml     |

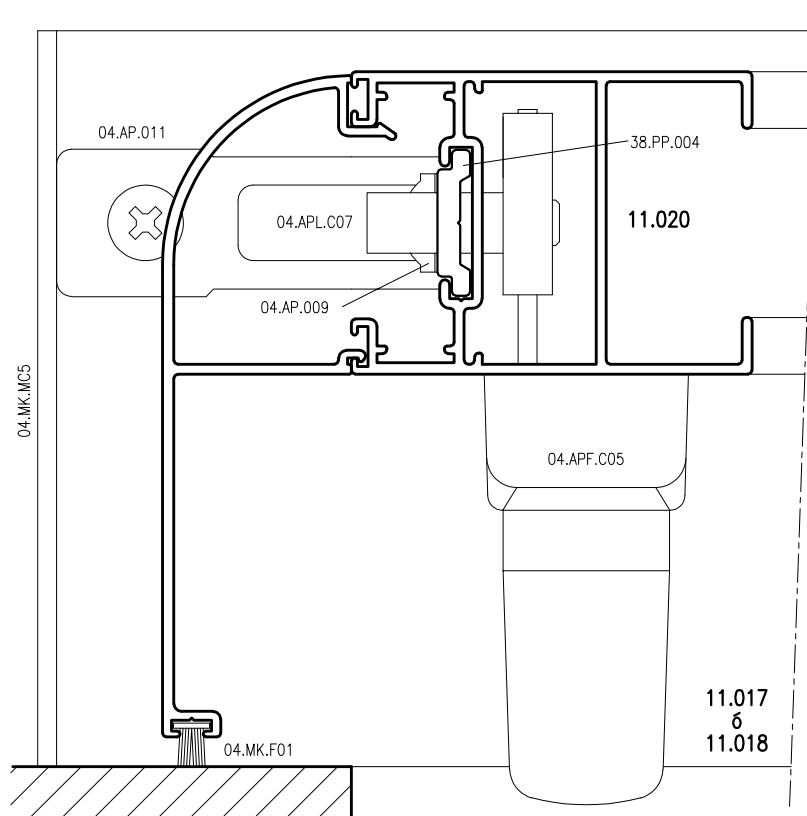
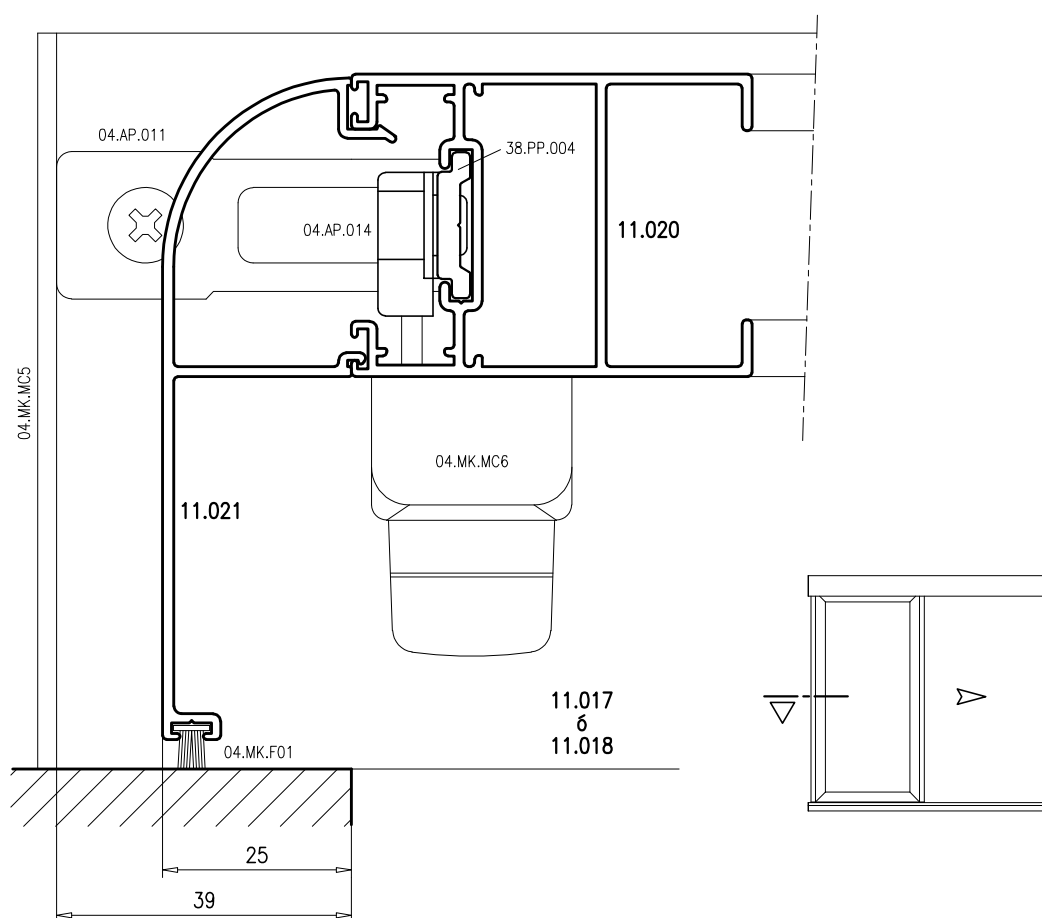


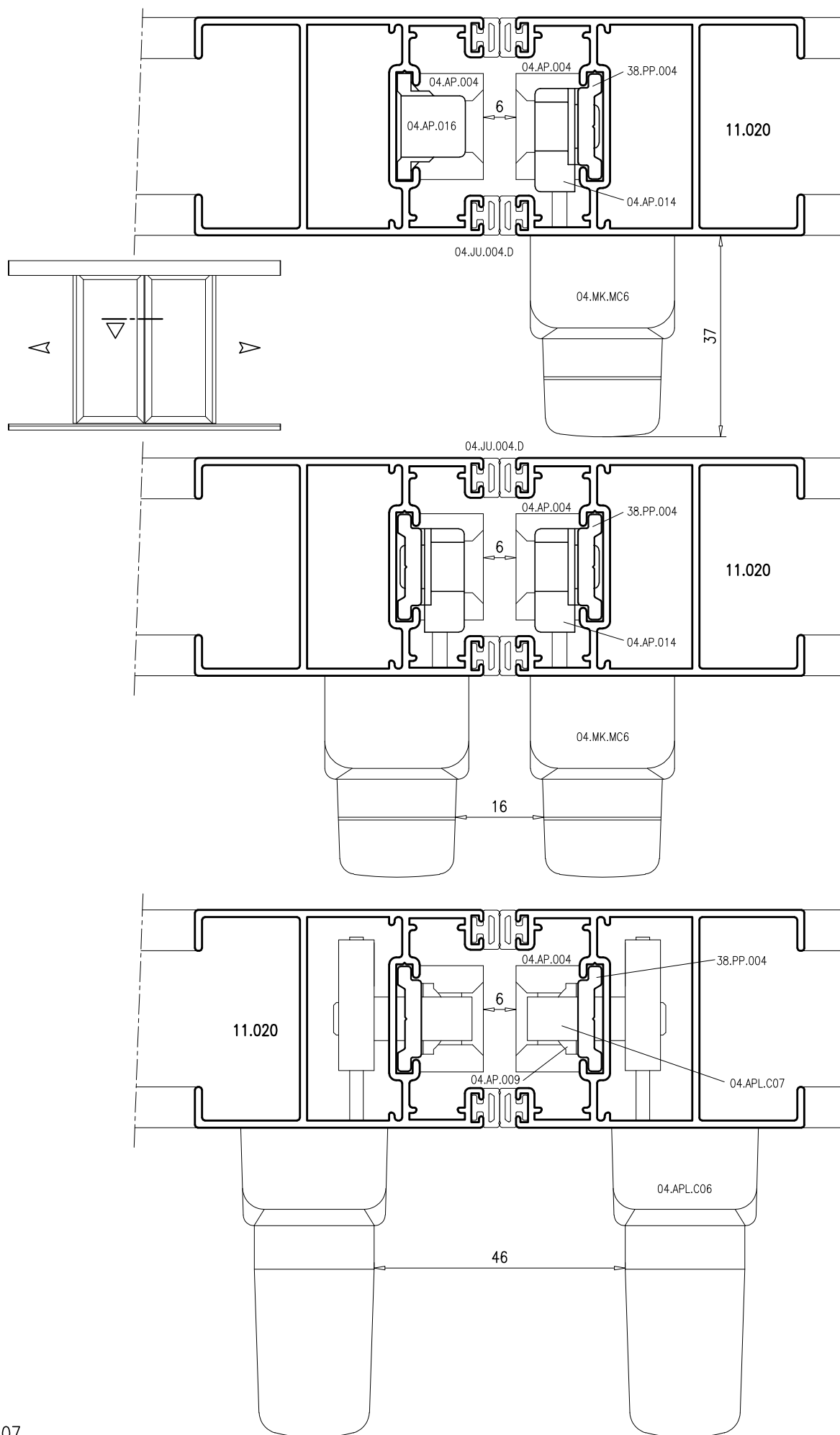
## VENTANA



## PUERTA

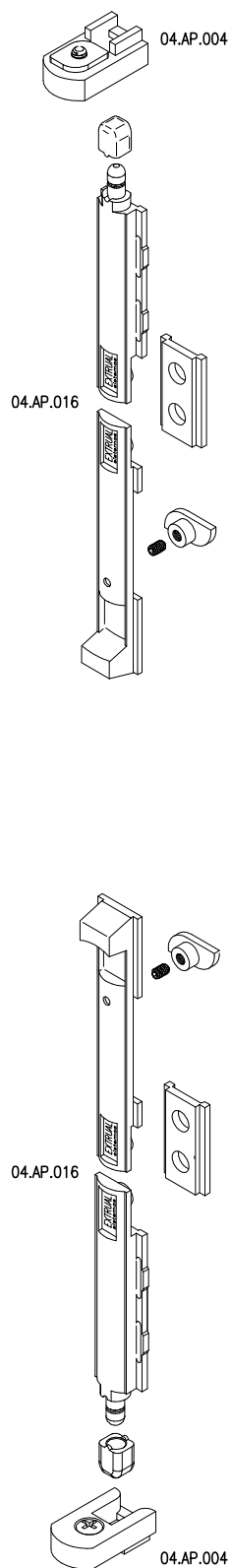




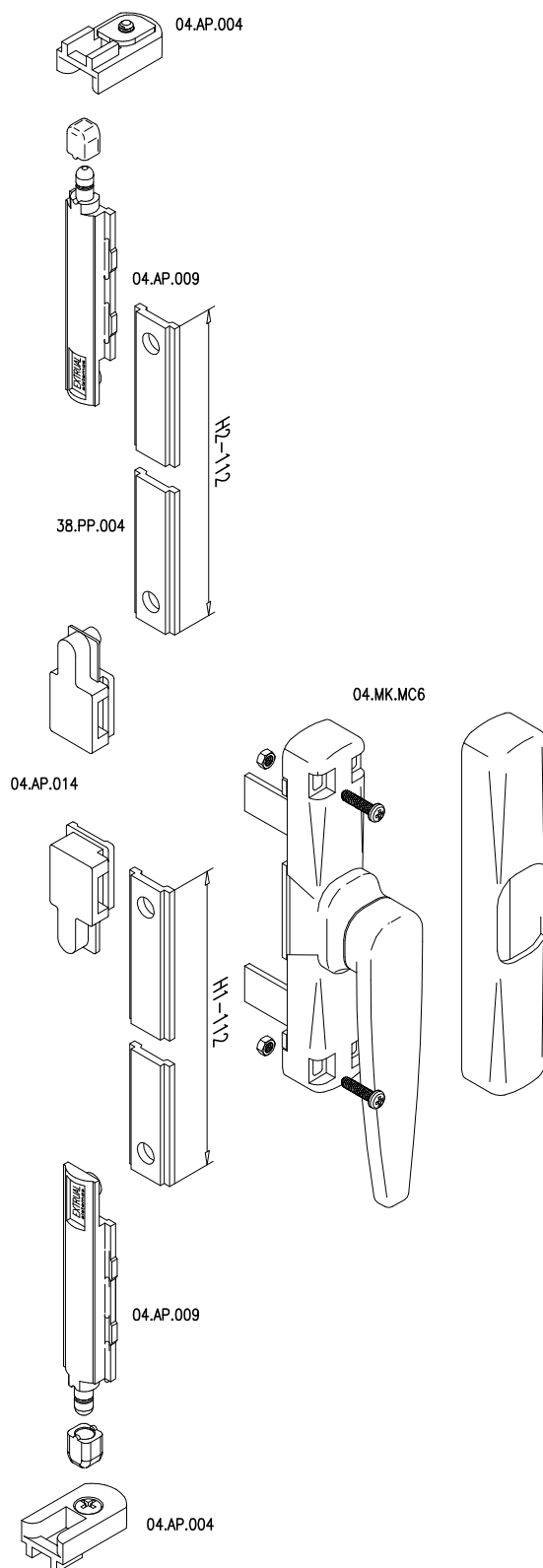


## Montaje de cremona 04.MK.MC6 con bloques de conexión 04.AP.014

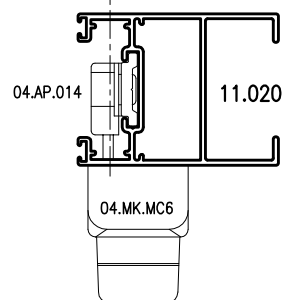
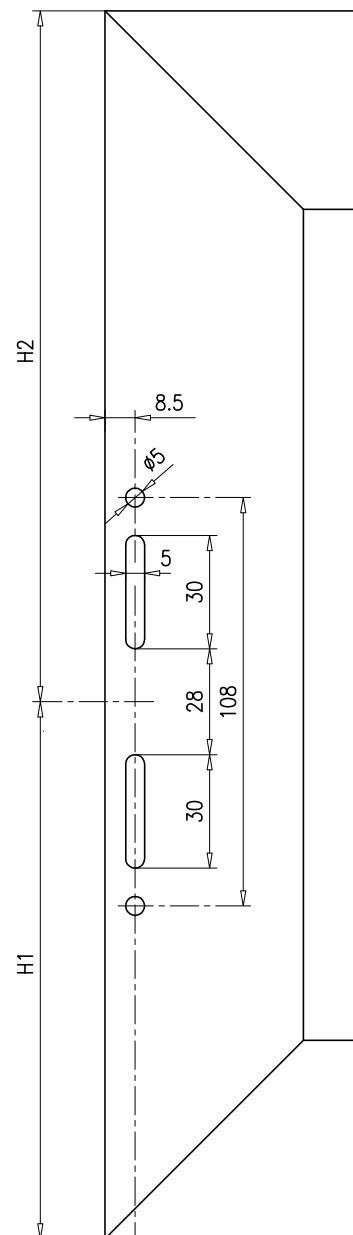
### HOJA PASIVA



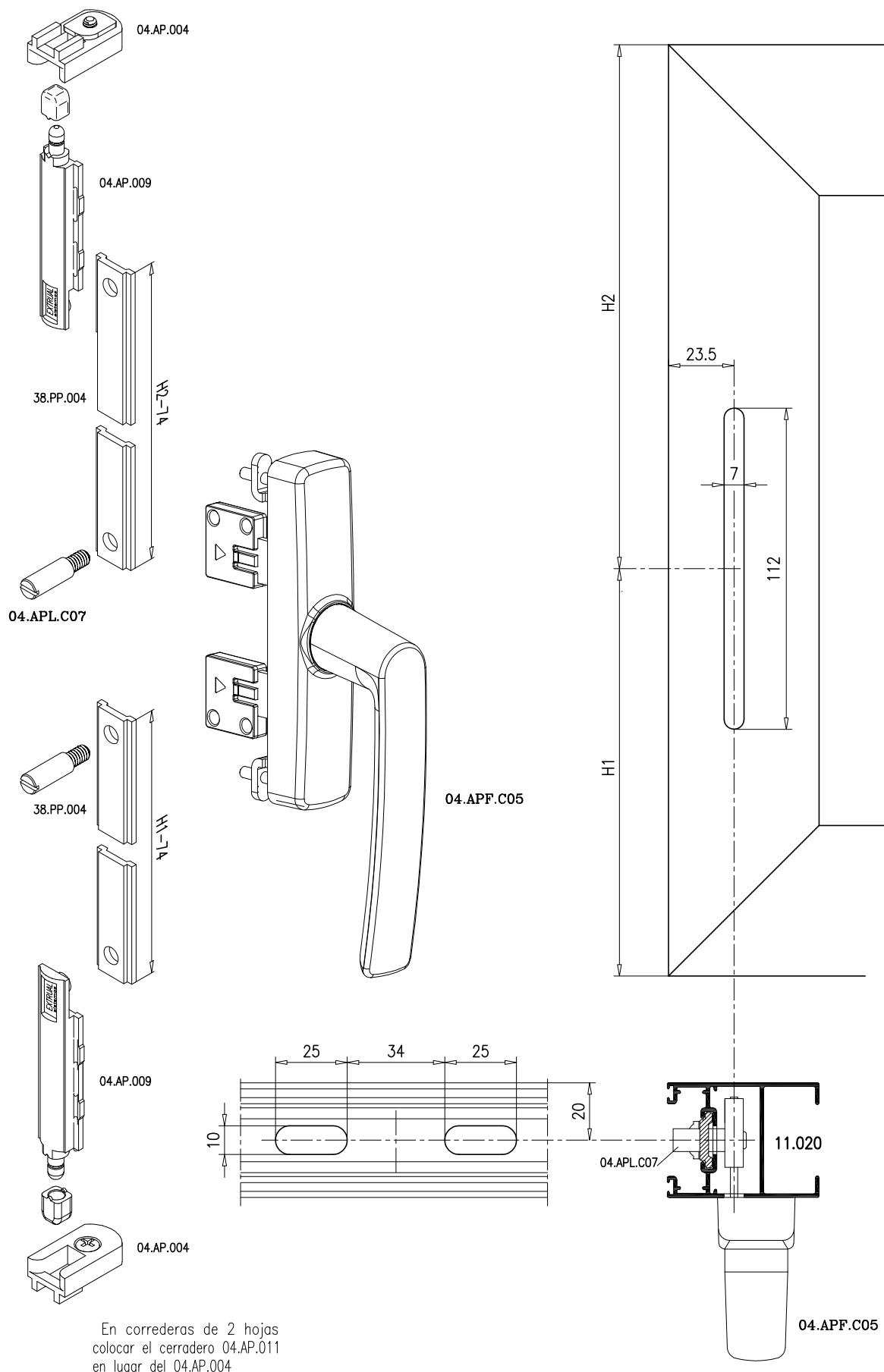
### HOJA ACTIVA



En correderas e 1 hoja  
colocar el cerradero 04.AP.011  
en lugar del 04.AP.004

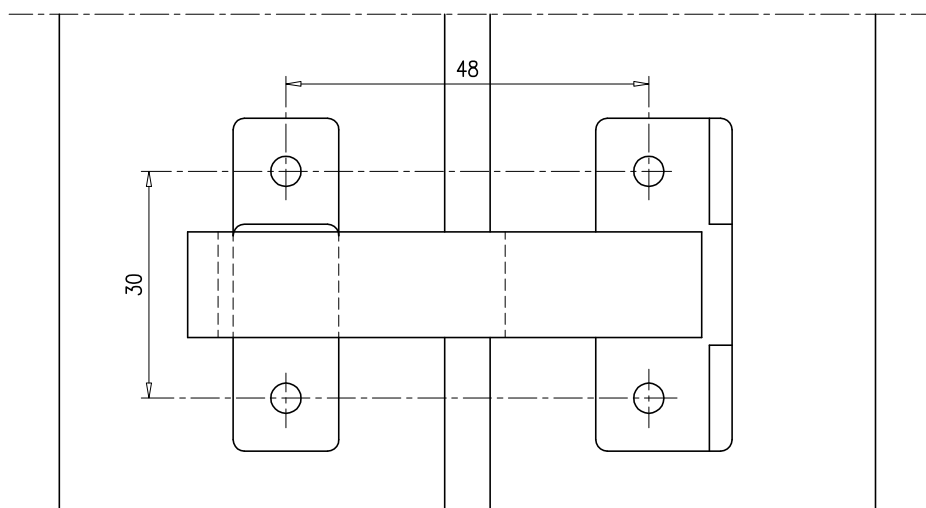
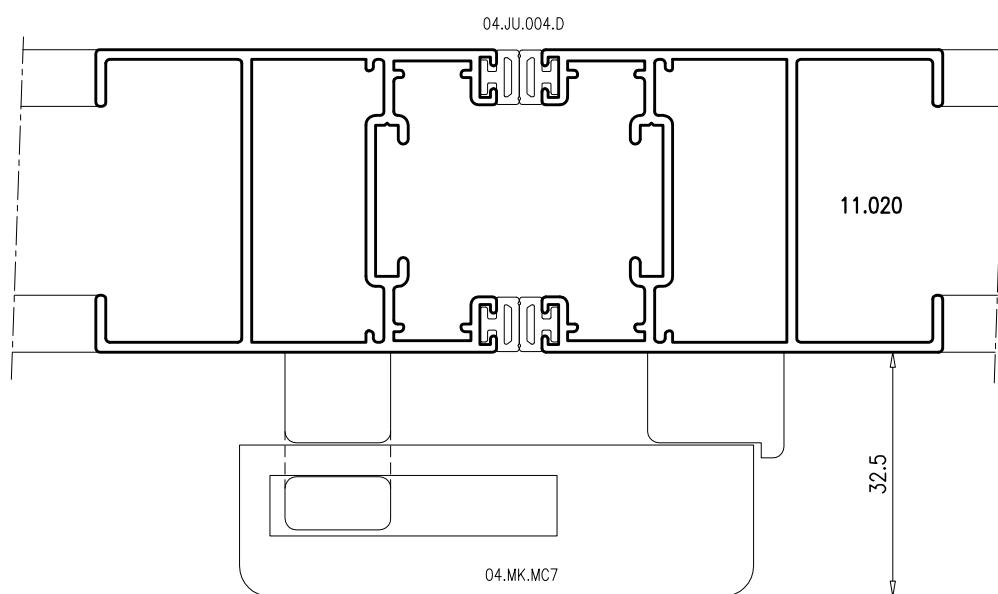
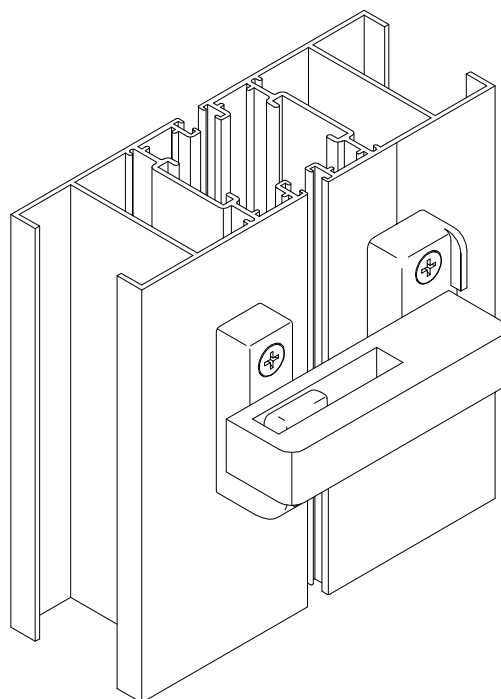
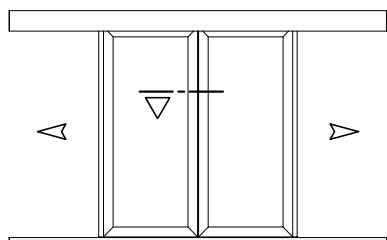


## Montaje de cremóna 04.MK.MC6 con Kit de conexión 04.APL.C06



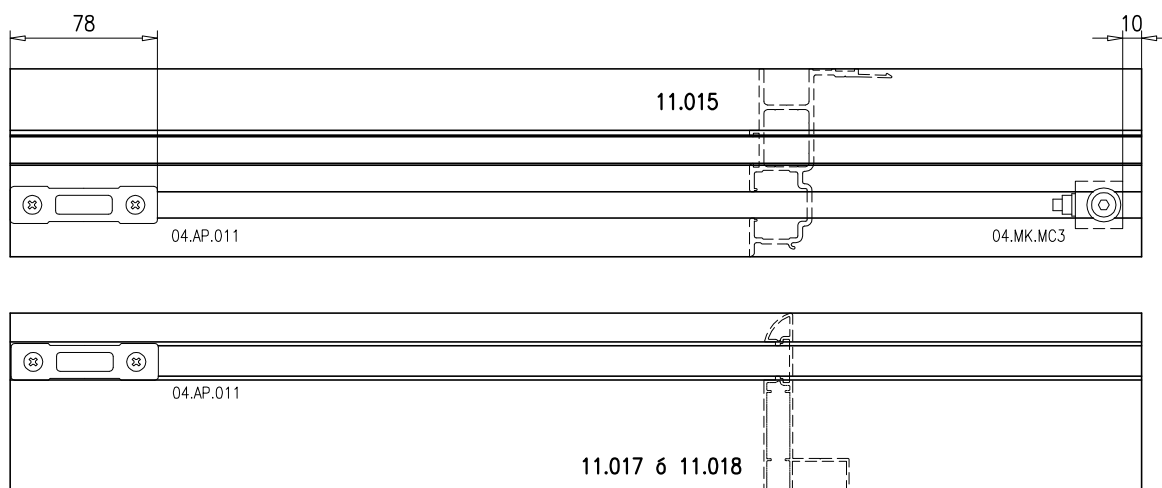
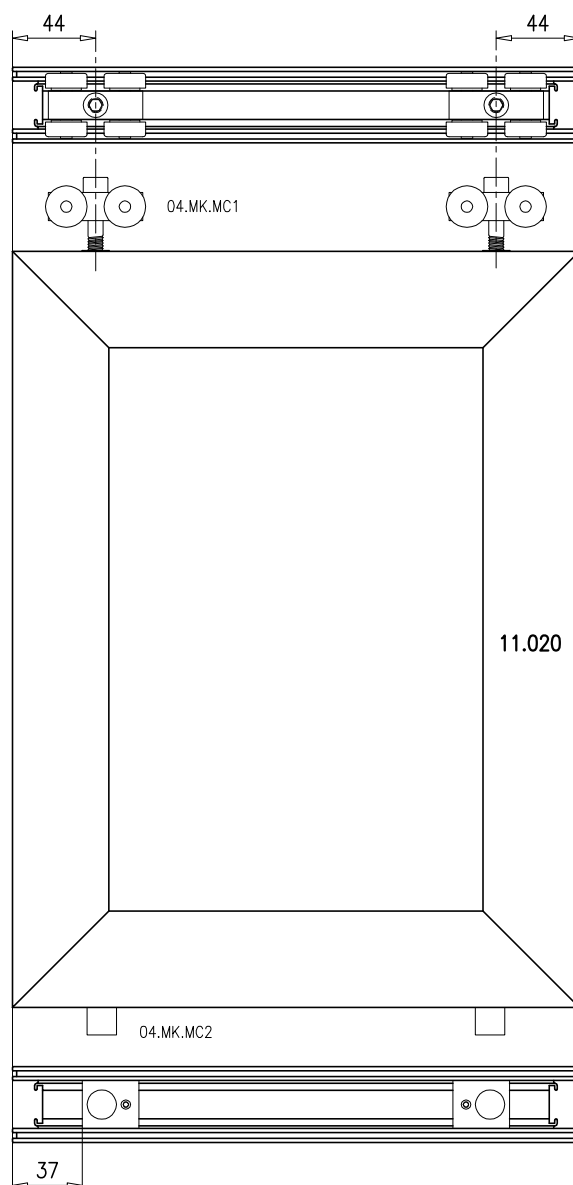


## Montaje de cierre de presión 04.MK.MC7



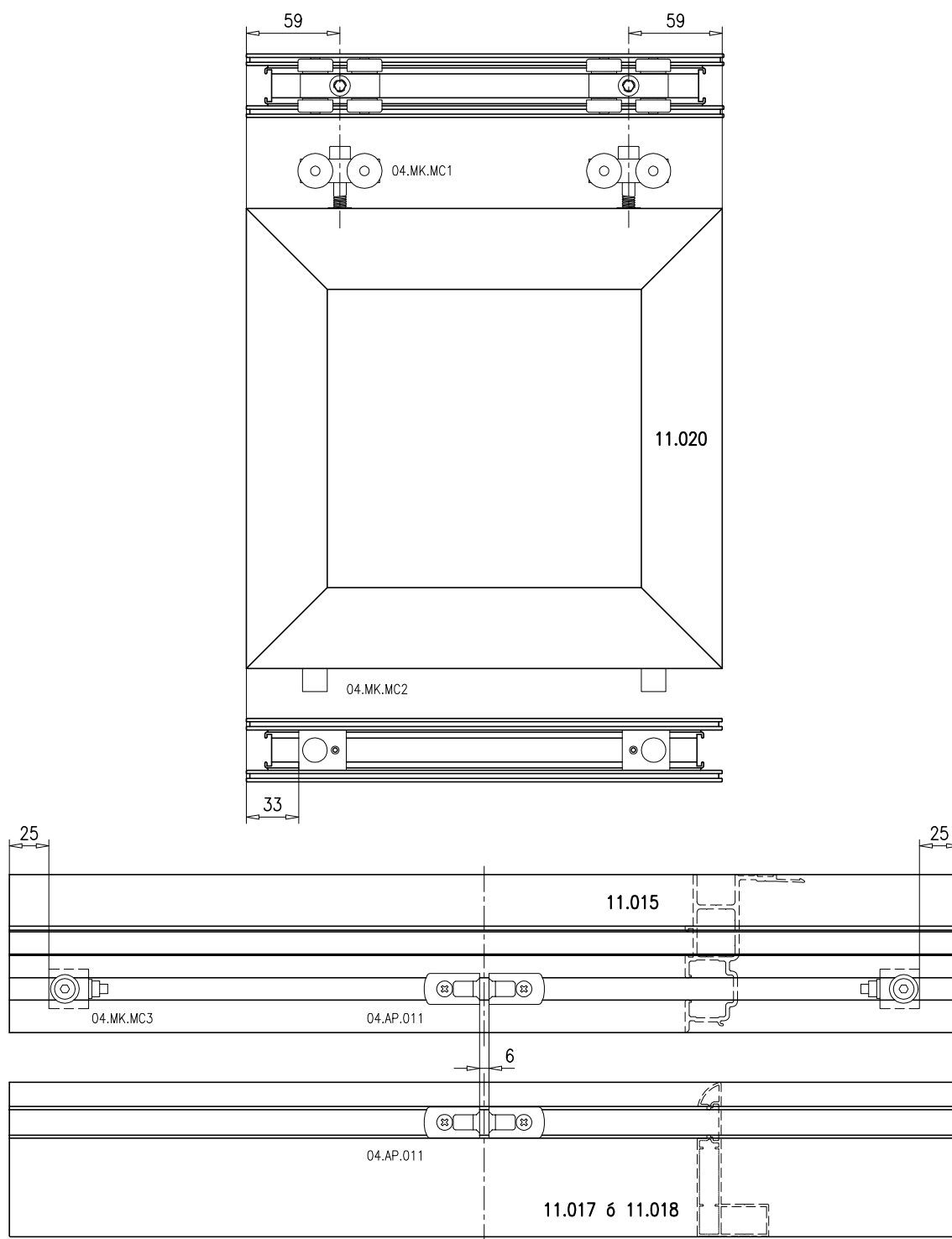
## MALLORQUINA CORREDERA DE 1 HOJA

*Colocación de carros y guías en hoja y cerraderos y tope en marcos*

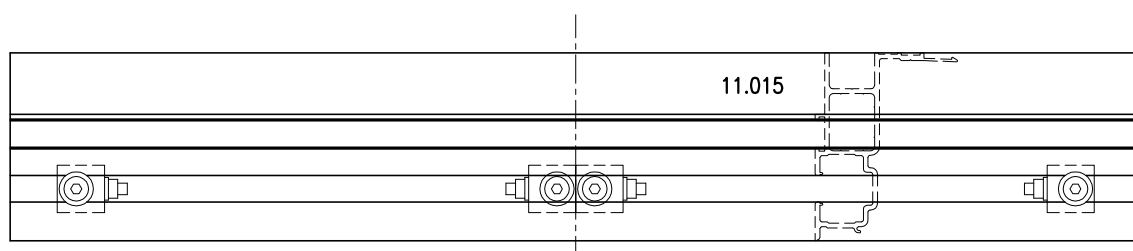


## MALLORQUINA CORREDERA DE 2 HOJAS

**Colocación de carros y guías en hoja y cerraderos y topes en marcos**



**Colocación de topes en marco superior si se utiliza cierre de presión 04.MK.MC7**





# Mallorquina Kikau

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