SISTEMAS PARA LA ARQUITECTURA MODERNA

ALUES

CATÁLOGO DE PRODUCTO

TECHOS MÓVILES

En estos tiempos en los que nuestro sector se encuentra en una situación delicada, es cuando el temperamento de nuestra firma se reafirma con mas energía. Pues consideramos que la única vía para seguir presentes en el mercado y salir reforzados de esta situación; es dar respuestas a los retos que nos plantea el mercado, mejorando de forma continuada las existentes y ampliando el número de las mismas.

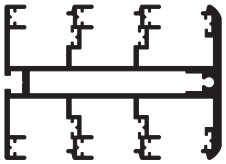
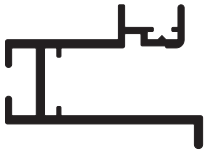
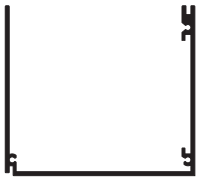
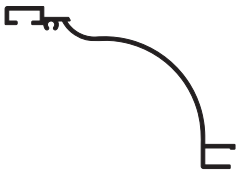
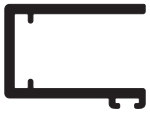
Y hoy presentamos el avance de lo que esperamos sea un gran catálogo dedicado a perfiles y guarniciones para cerramientos exteriores. En este avance hemos desarrollado un sistema completo de techos móviles y lucernarios en aluminio tanto manuales como motorizados , además hemos incluido todas las guarniciones necesarias para su montaje y para la evacuación de aguas pluviales.

Los techos móviles de por si o en combinación con otros sistemas de carpintería (correderas, practicables, plegables...), permite acondicionar espacios que hasta el momento era infrautilizados como terrazas, patios, galerías o aclimatar zonas exteriores como piscinas o cenadores; sin que por ello se pierda la agradable sensación de estar al aire libre. Ya que sus módulos se pueden recoger bien de forma manual o motorizada.

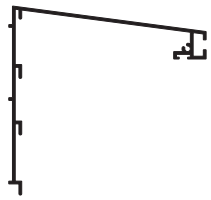
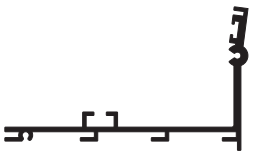
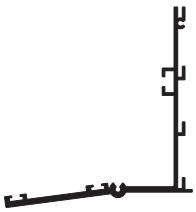
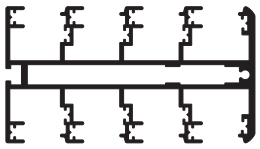
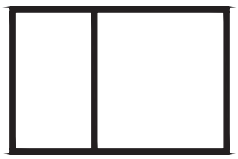
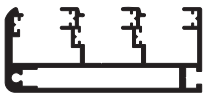
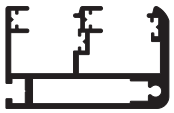
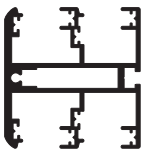
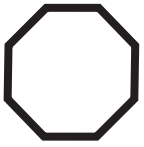
Esperamos que este catálogo cumpla con sus propósitos de ofrecer un producto bien acabado y colaborar con nuestros clientes en facilitarles su tarea, ademas de ofrecer formación e información.

Los perfiles han sido fabricados dentro de las tolerancias de extrusión especificadas en la norma UNE36066.

Las dimensiones de corte indicadas en este catálogo son teóricas y pueden ver se afectadas mínimamente por las tolerancias de extrusión y por los tratamientos de termolacado o anódicos o por la precisión de la maquinaria utilizada, por lo que se recomienda la realización de una muestra previa con el fin de realizar un control dimensional.

SECCIÓN	CÓDIGO	DESCRIPCIÓN	Ix (cm^4)	Iy (cm^4)
	2001	Guía Central 3 carriles	47,17	148,26
	2003	Hoja Trasversal Inferior	2,57	5,87
	2004	Hoja Trasversal Superior	1,93	18,06
	2005	Travesaño Inferior	27,02	129,28
	2006	Canal	53,88	101,80
	2007	Canal Superior Recogida	12,87	24,34
	2008	Primera y última Hoja	1,14	1,54
	2009	Embellecedor	0,02	0,29
		Pletina para Tirador	0,02	0,13

GLOSARIO

SECCIÓN	CÓDIGO	DESCRIPCIÓN	Ix (cm^4)	Iy (cm^4)
	2010	Cobija Superior	34,14	68,01
	2011	Cobija Inferior	14,28	57,70
	2017	Cobija Inferior para motorizar	71,86	60,86
	2000	Guía Central 4 carriles	57,80	287,48
	2014	Poste Techo	149,03	258,60
	2016	Guía Lateral hueca	15,62	99,85
	2020	Guía Lateral 2 carriles	11,73	38,41
	2021	Guía Central 2 carriles	35,69	58,27
	2018	Octógono en aluminio	11,28	11,28

GLOSARIO

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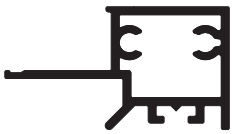
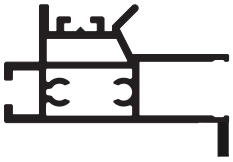
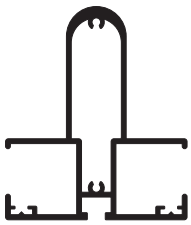
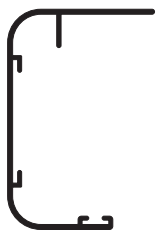
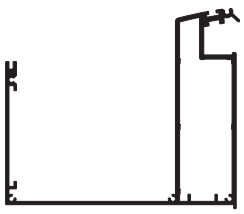
	2026	Hoja Frontal Perimetral	34,14	68,01
	2027	Hoja trasera Perimetral	14,28	57,70
	2028	Hoja Lateral Perimetral	71,86	60,86
	2030	Perfil Techo Fijo Camara 16mm	57,80	287,48
	2031	Perfil Techo Fijo Camara 16mm	15,62	99,85
	2032	Embellecedor Panel	11,73	38,41
	2025	Travesaño con Canal	11,28	11,28

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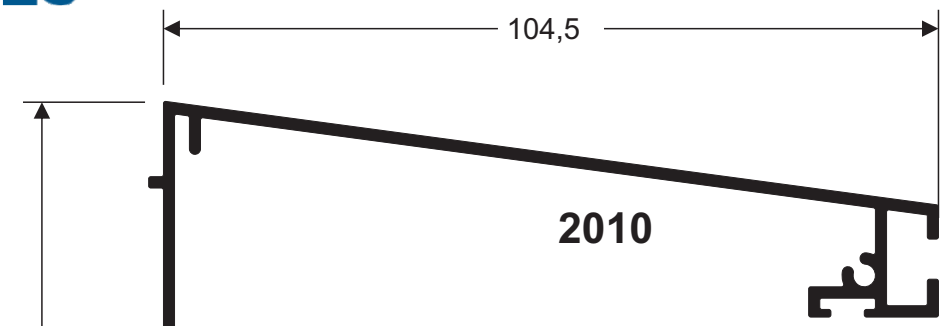
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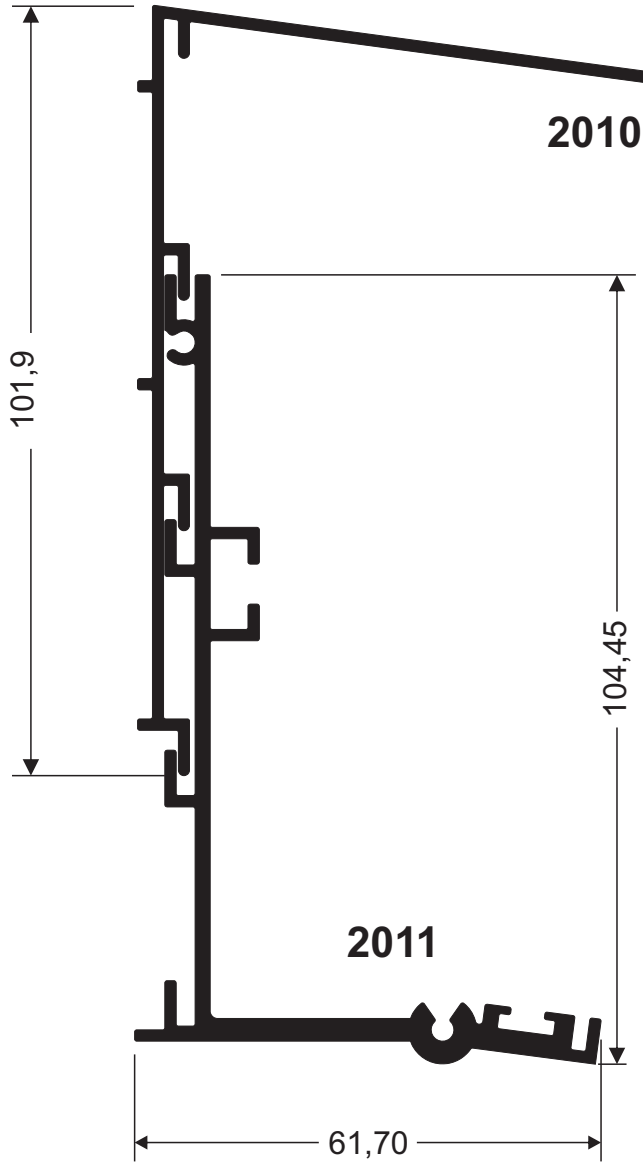
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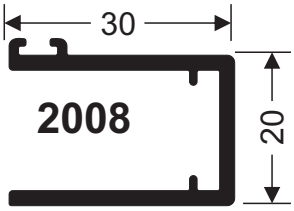
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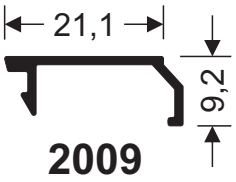
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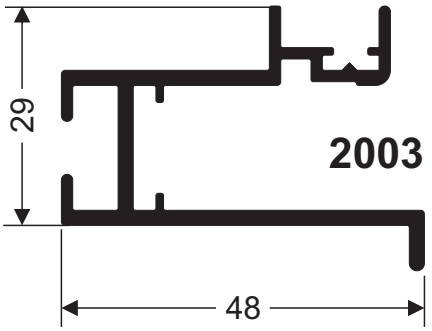
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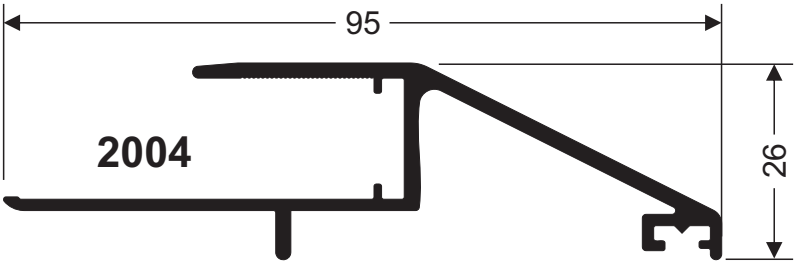
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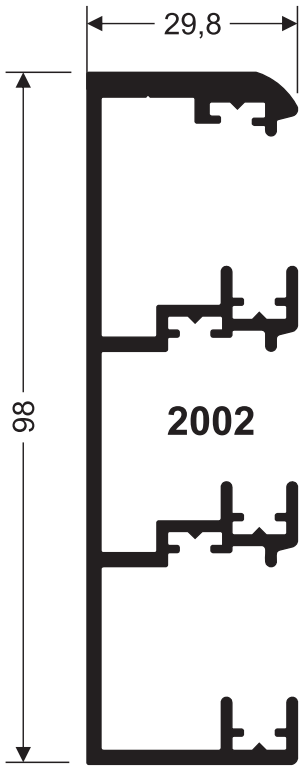

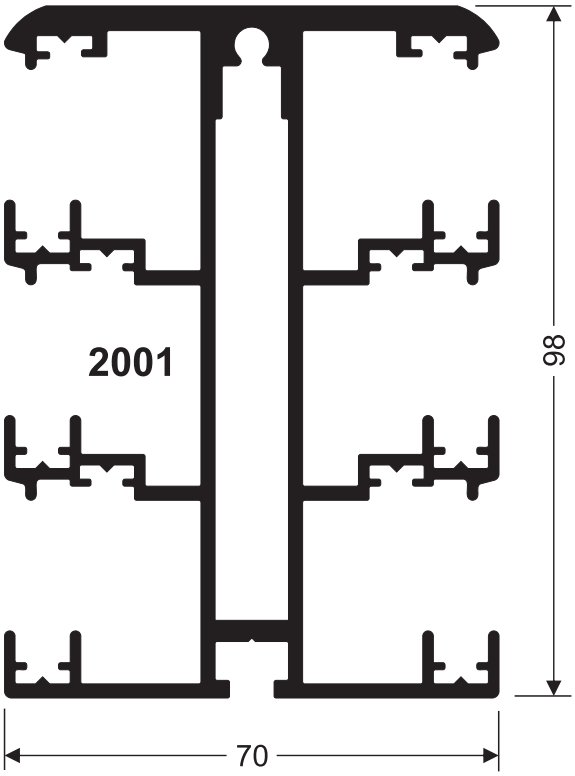

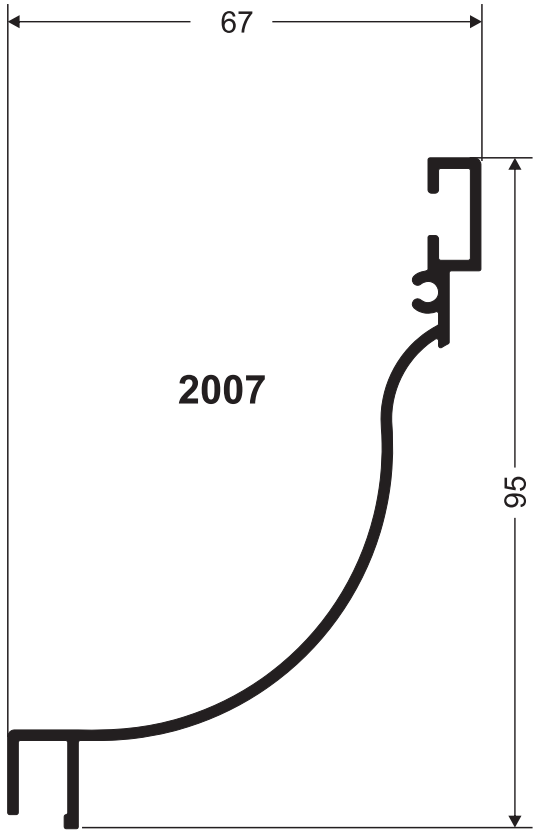

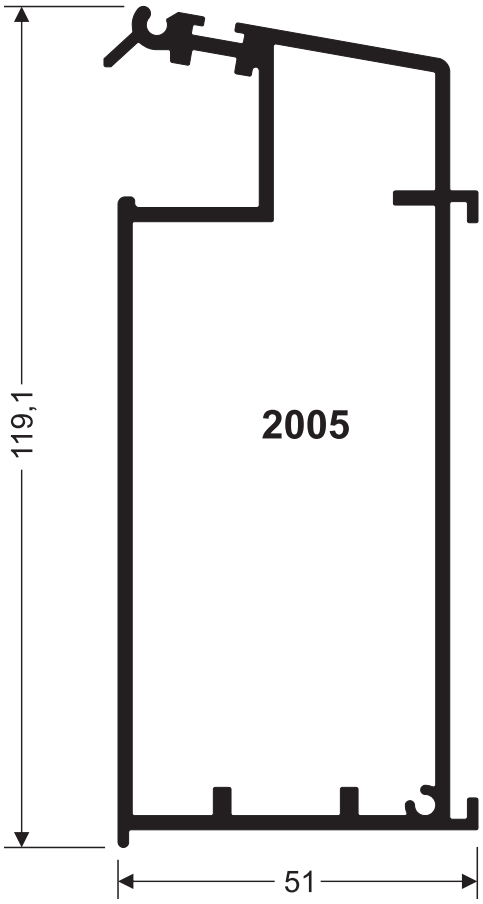

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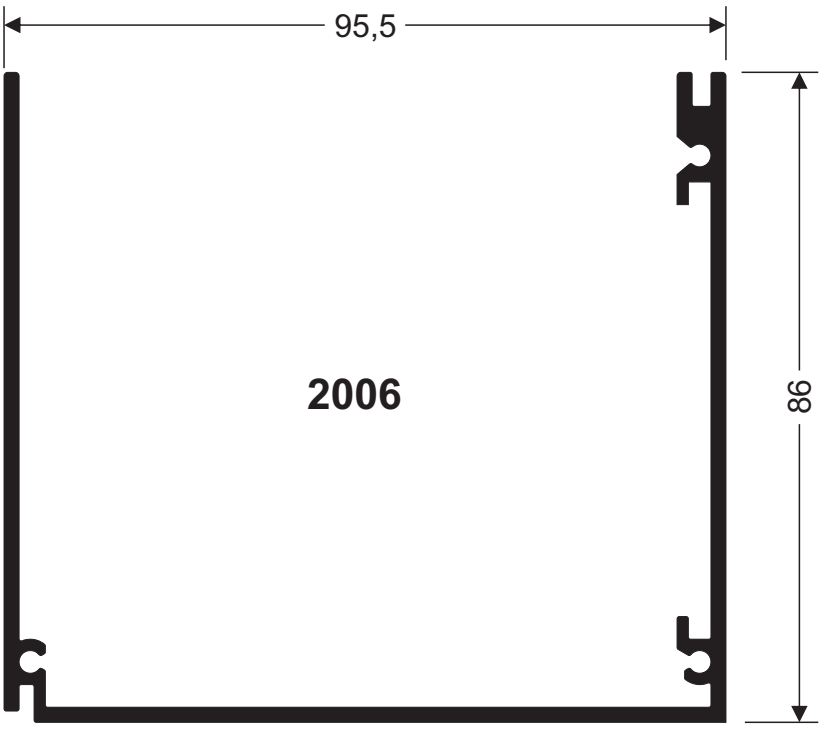

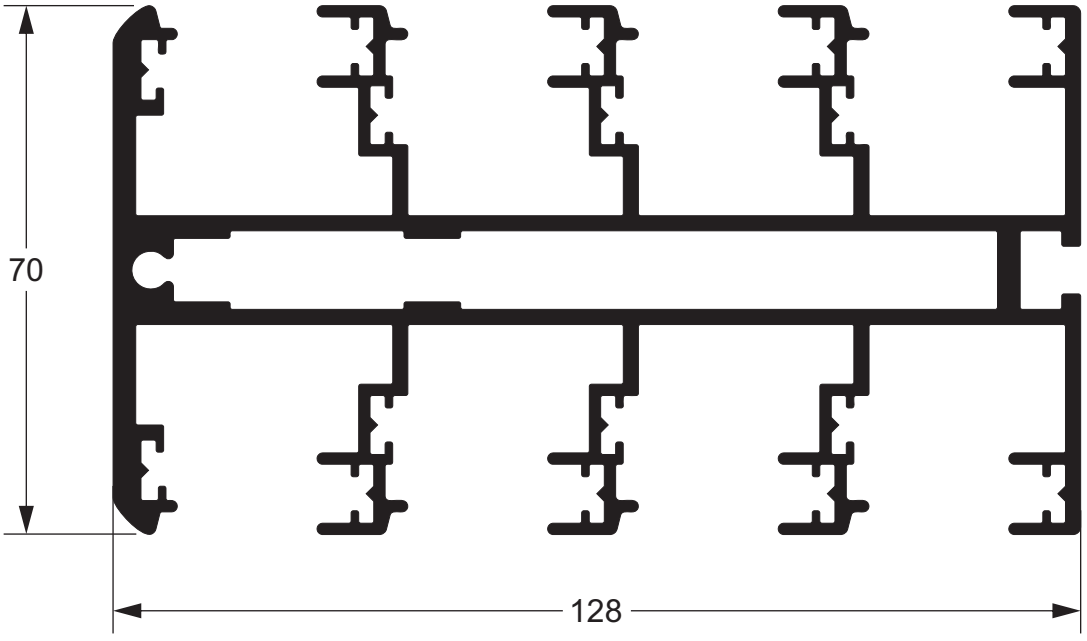

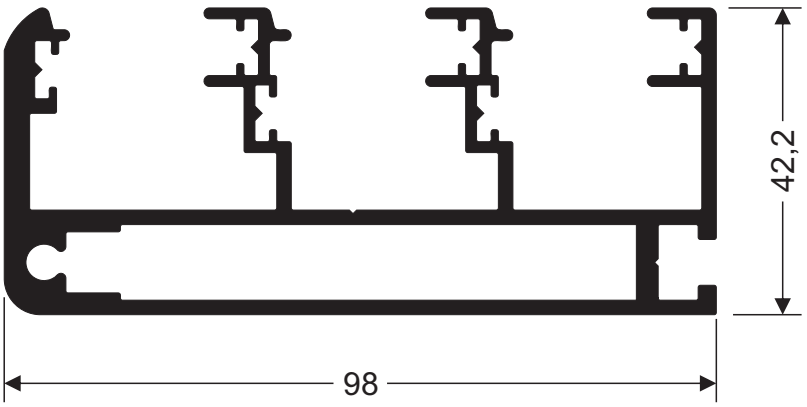

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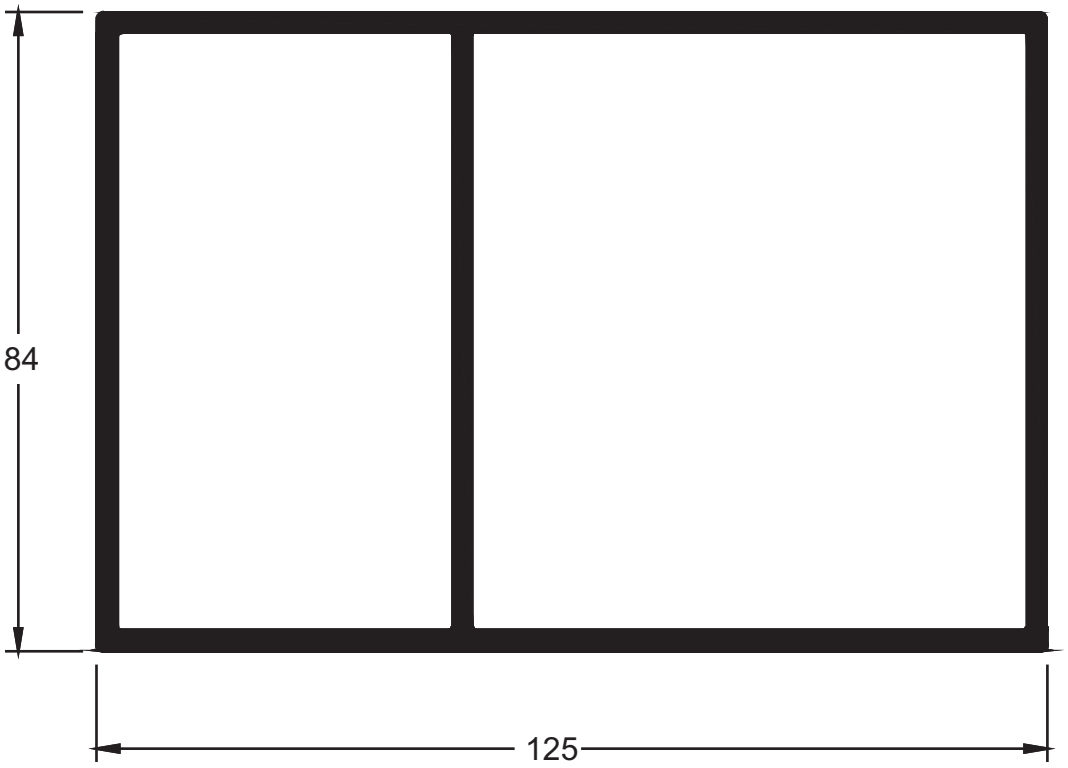
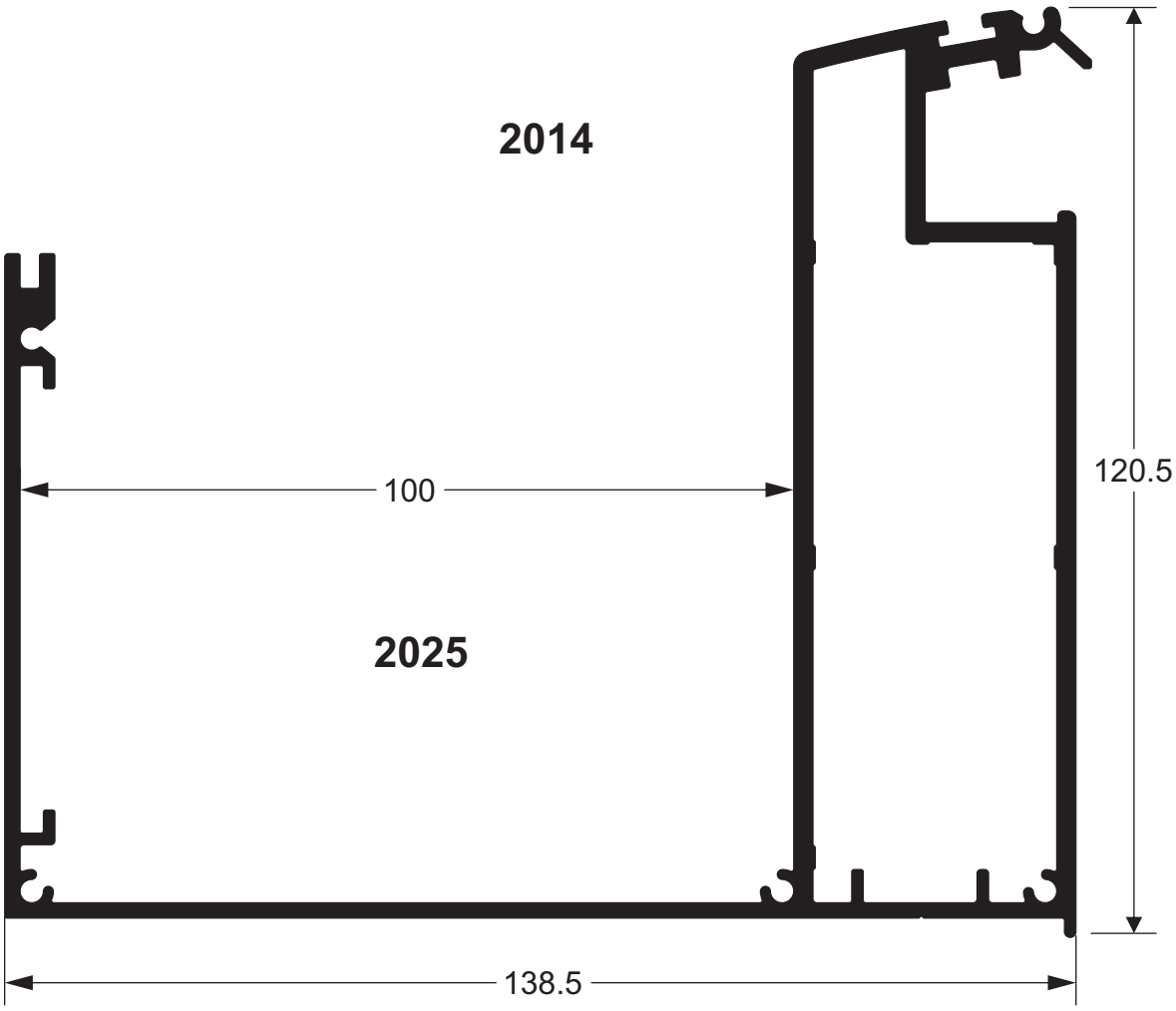


2014



2025

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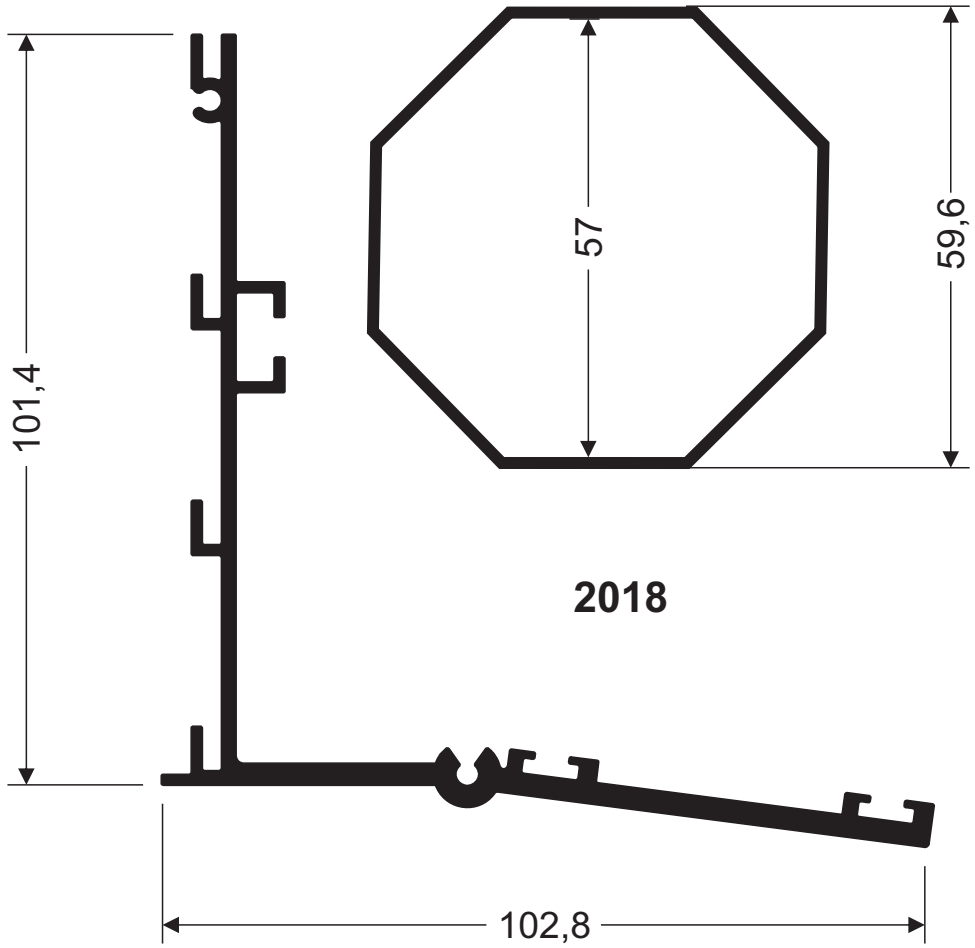
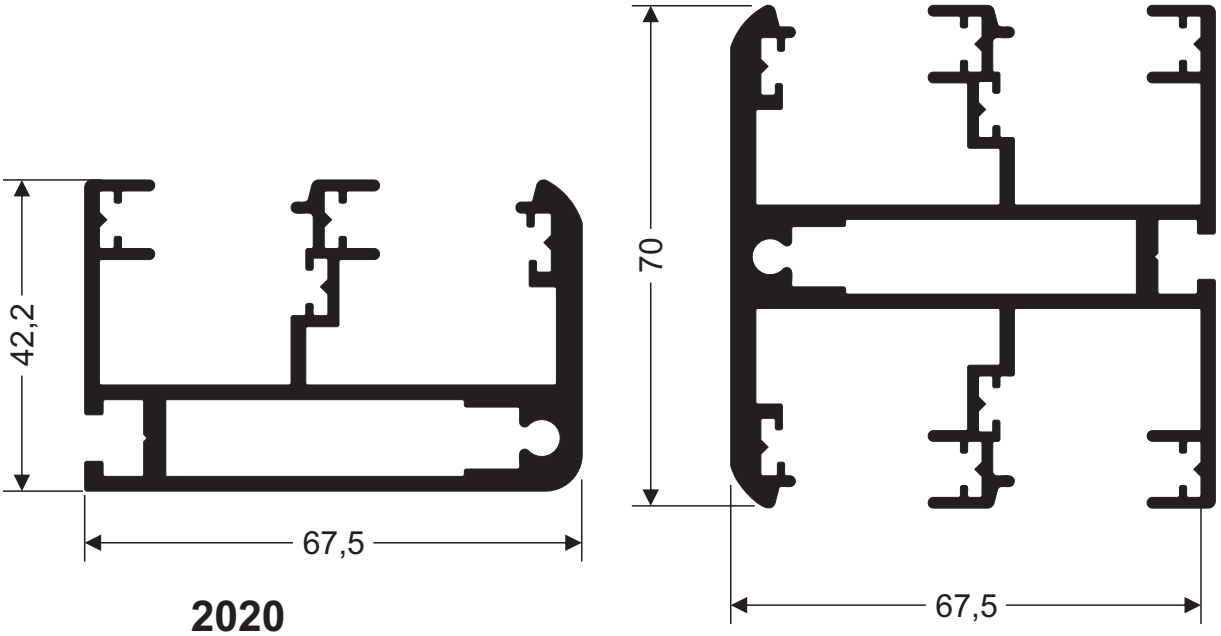


2018

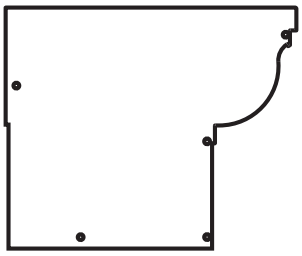
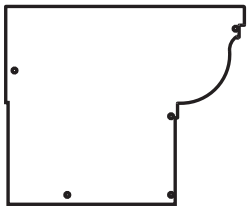
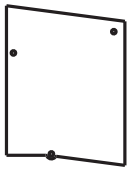
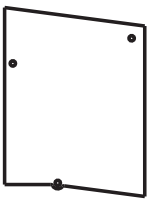
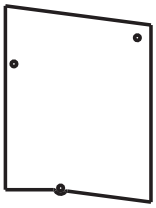
2017



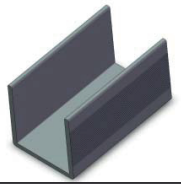
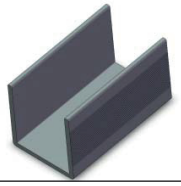
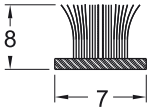
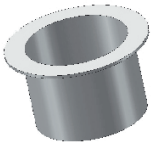
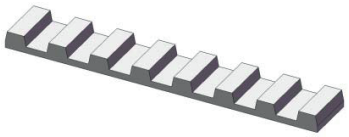
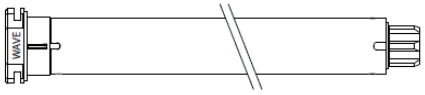
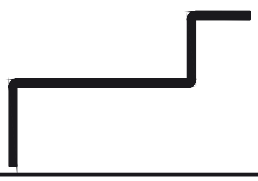
2020

2021

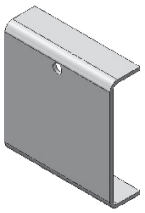
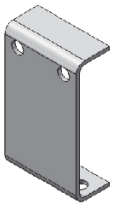
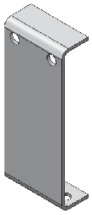
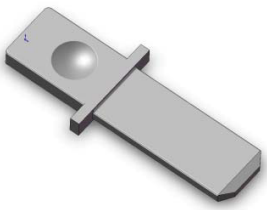
ACCESORIOS

	Ref.	DENOMINACIÓN
	TM02	Tirador. 2 Tornillos inoxidable
	TM03	Pértiga
	Tm28	Tapa Canalón. 5 Tornillos inoxidable Para Canal con Travesaño Incorporado
	TM04	Tapa Canalón. 5 Tornillos inoxidable
	TM16	Tapa Canalón 2 carriles. 3 Tornillos inoxidable.
	TM05	Tapa Canalón 3 carriles. 3 Tornillos inoxidable.
	TM06	Tapa Canalón 4 carriles. 3 Tornillos inoxidable.

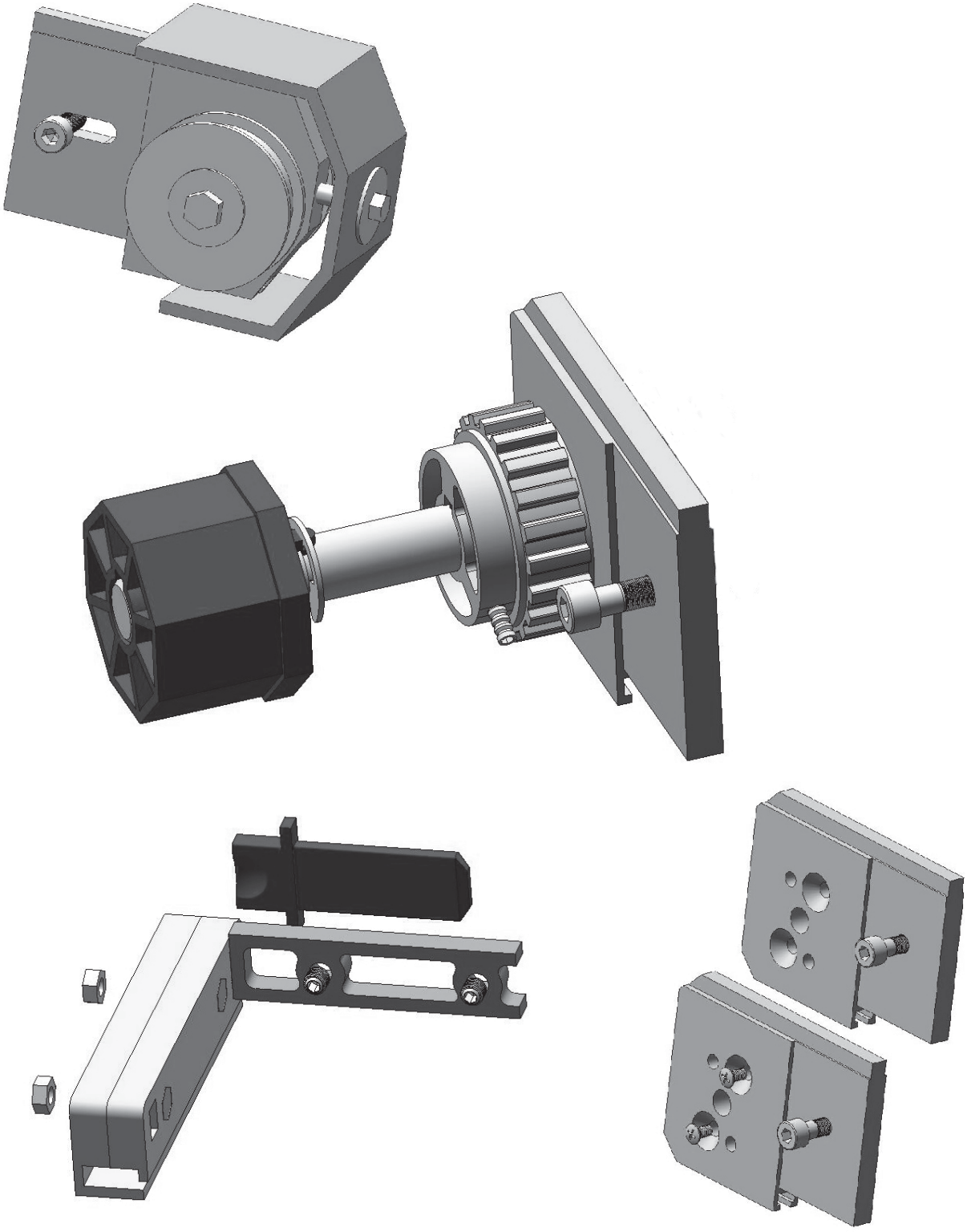
ACCESORIOS

	Ref.	DENOMINACIÓN
	TM07	Anclaje poste
	Tm29	Anclaje poste con canalon y soporte de una pieza .
	TM08	Goma Cobija
	TM09	Felpudo de 8x7mm
	TM11	Embudo
	TM12	Correa T10 12mm
	TM13	Motor con acople octogonal y mando Con regulación intensidad .
	TM14	Goma hoja inferior (Ref. 2008)
	TM15	Sujeción hoja superior

ACCESORIOS

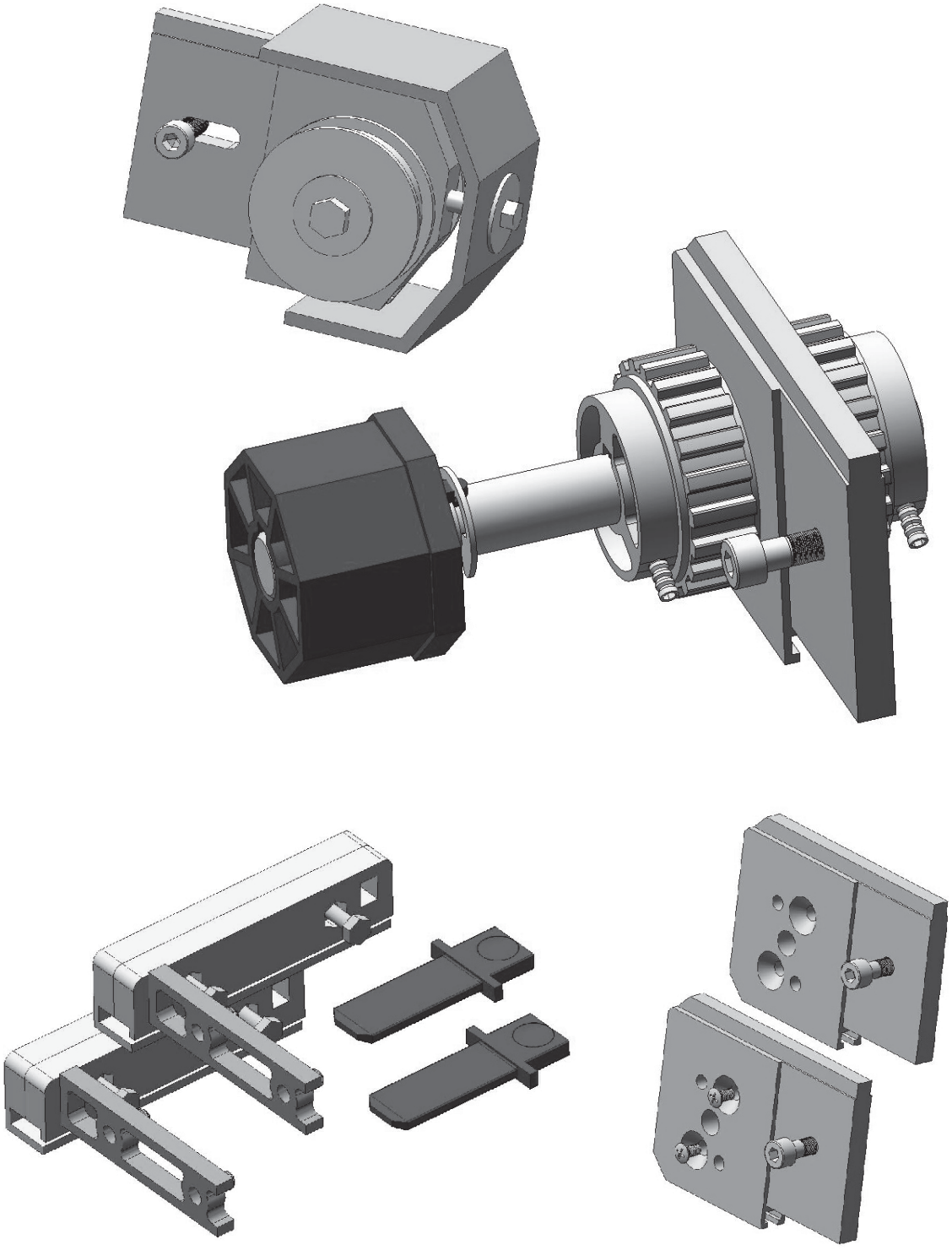
	Ref.	DENOMINACIÓN
	TM17	Tapa Central 2 carriles
	TM18	Tapa Lateral 2 carriles
	TM19	Tapa Central 3 carriles
	TM20	Tapa Lateral 3 carriles
	TM21	Tapa Central 4 carriles
	TM01	Patín
	TM24	Bandeja condesación

	KIT TECHO MÓVIL 1 CALLE Ref. TM25



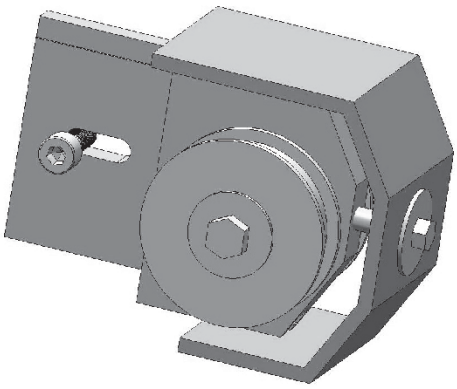
MOD:U201330282

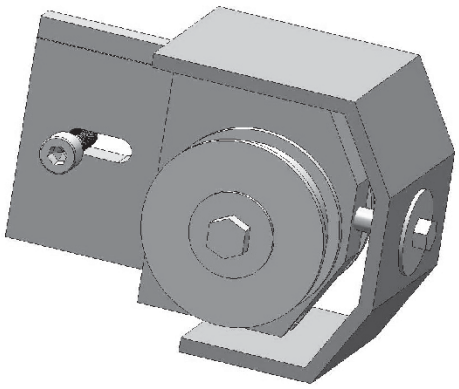
	KIT TECHO MÓVIL 2 CALLES Ref. TM22

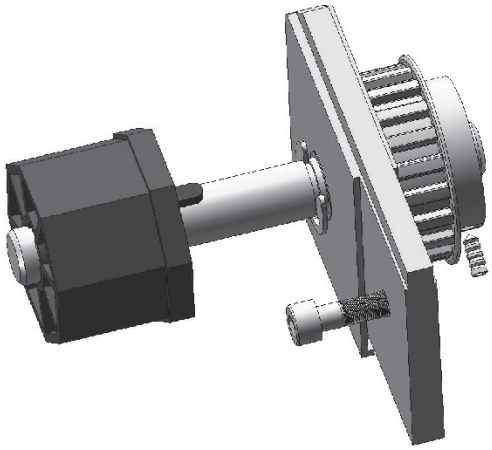


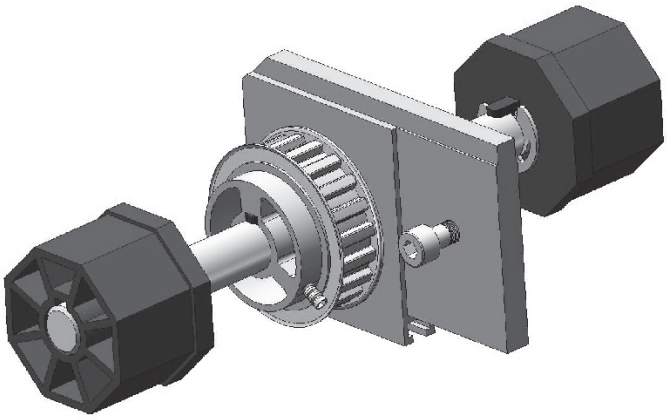
MOD:U201330282

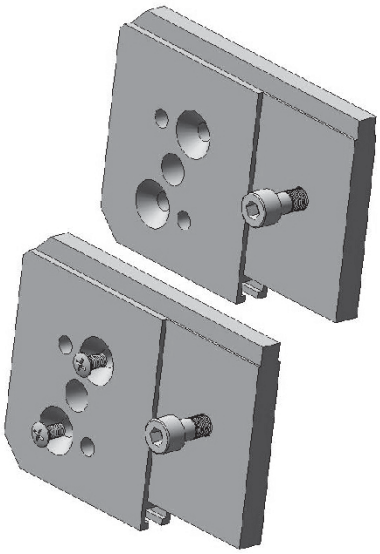
	KIT TECHO MÓVIL 3 CALLES Ref. TM33





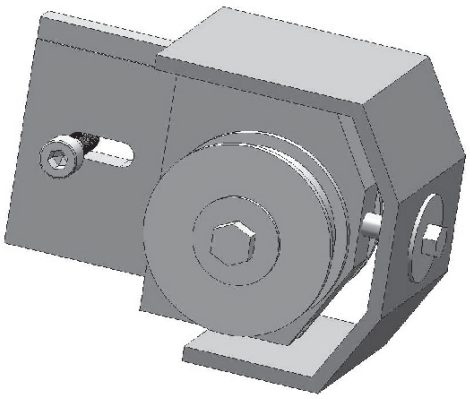


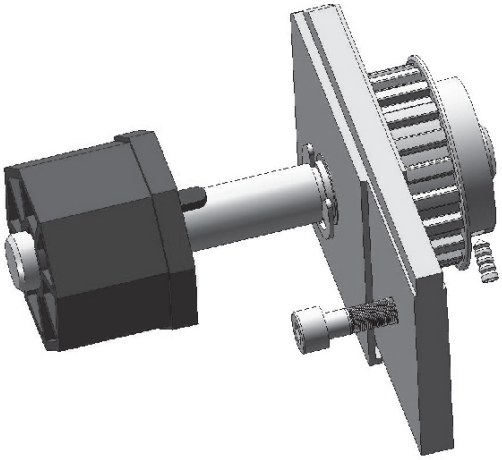


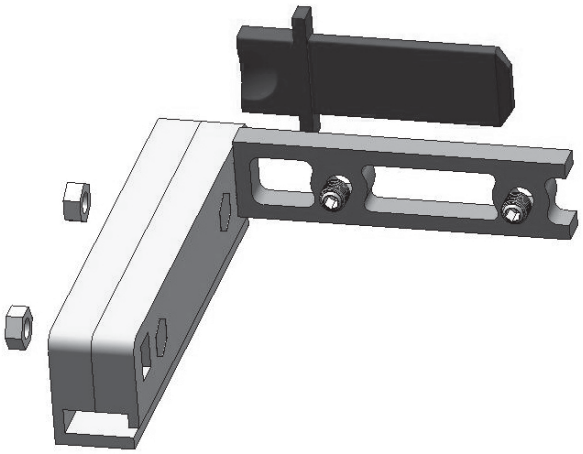


MOD:U201330282

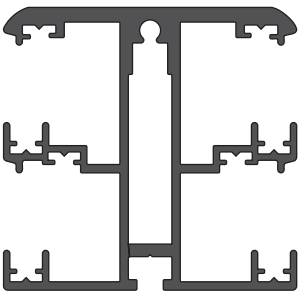
	SUPLEMENTO 4 O MÁS CALLES Ref. TM44





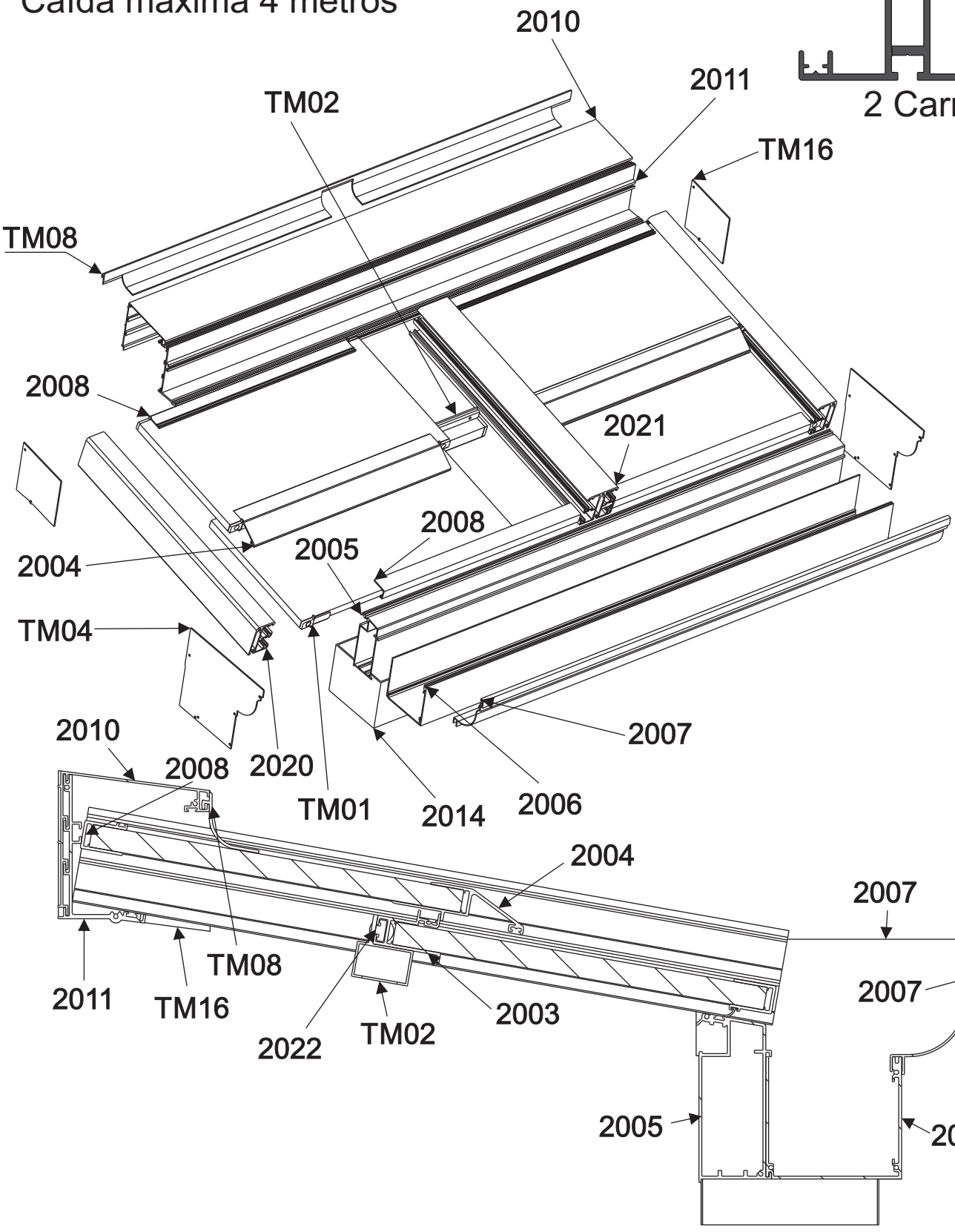


Para placa 16mm



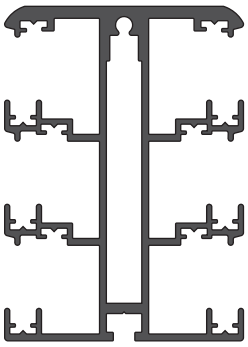
2 Carriles

Apertura manual 50%
Caída máxima 4 metros

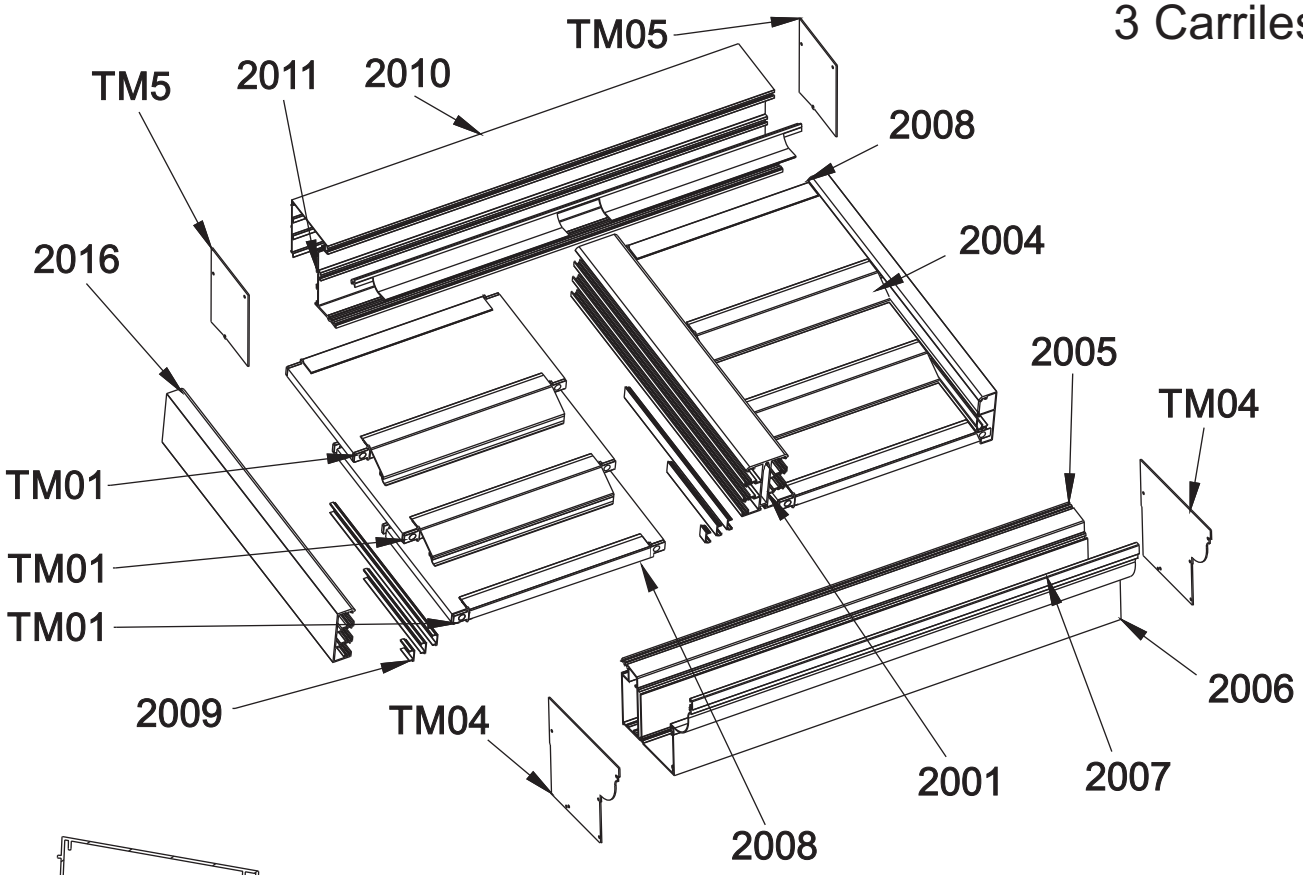


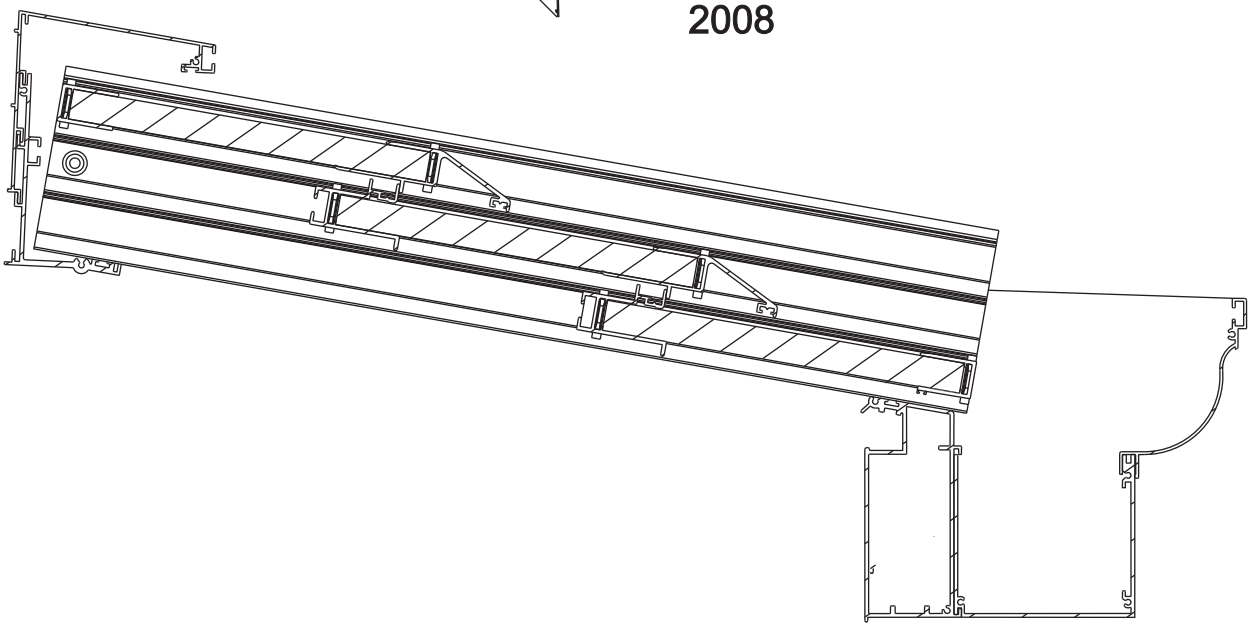
Apertura manual 66%
Caída máxima 5 metros

Para placa 16mm



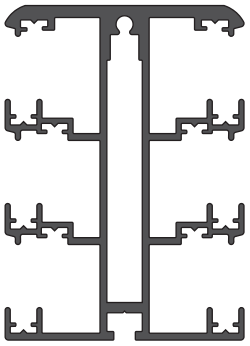
3 Carriles



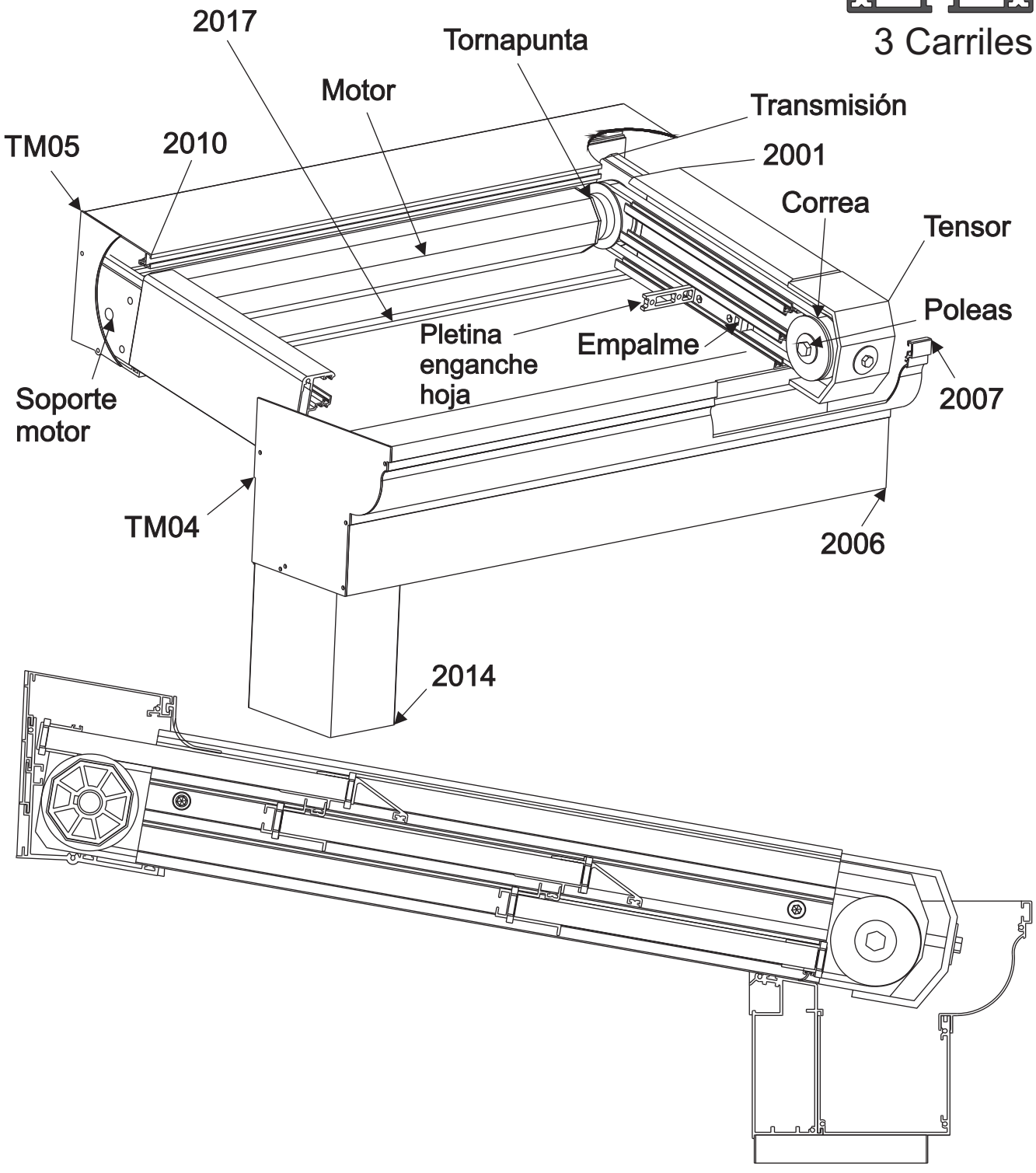


Apertura motorizada 66%
Caída máxima 5 metros

Para placa
16mm



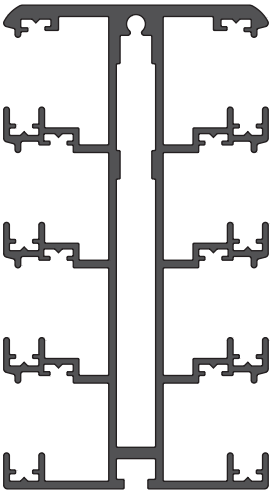
3 Carriles

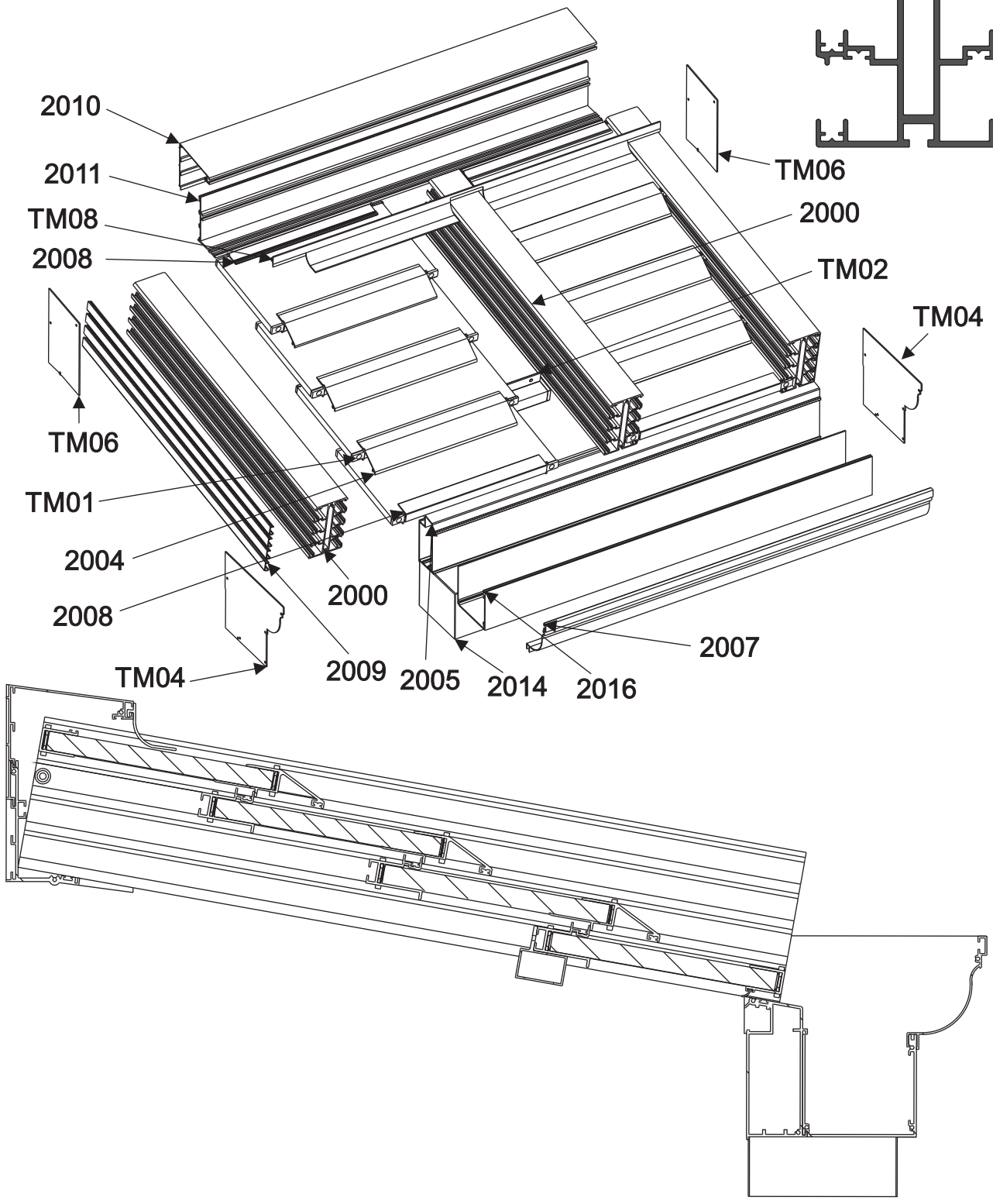


Para placa 16mm

Apertura manual 75%
Caída máxima 6.5 metros

4 Carriles

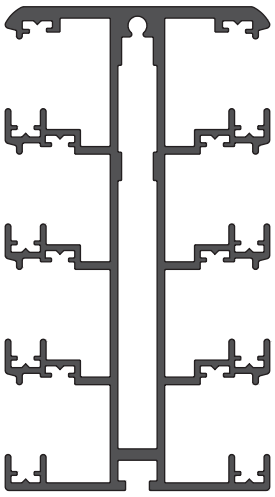


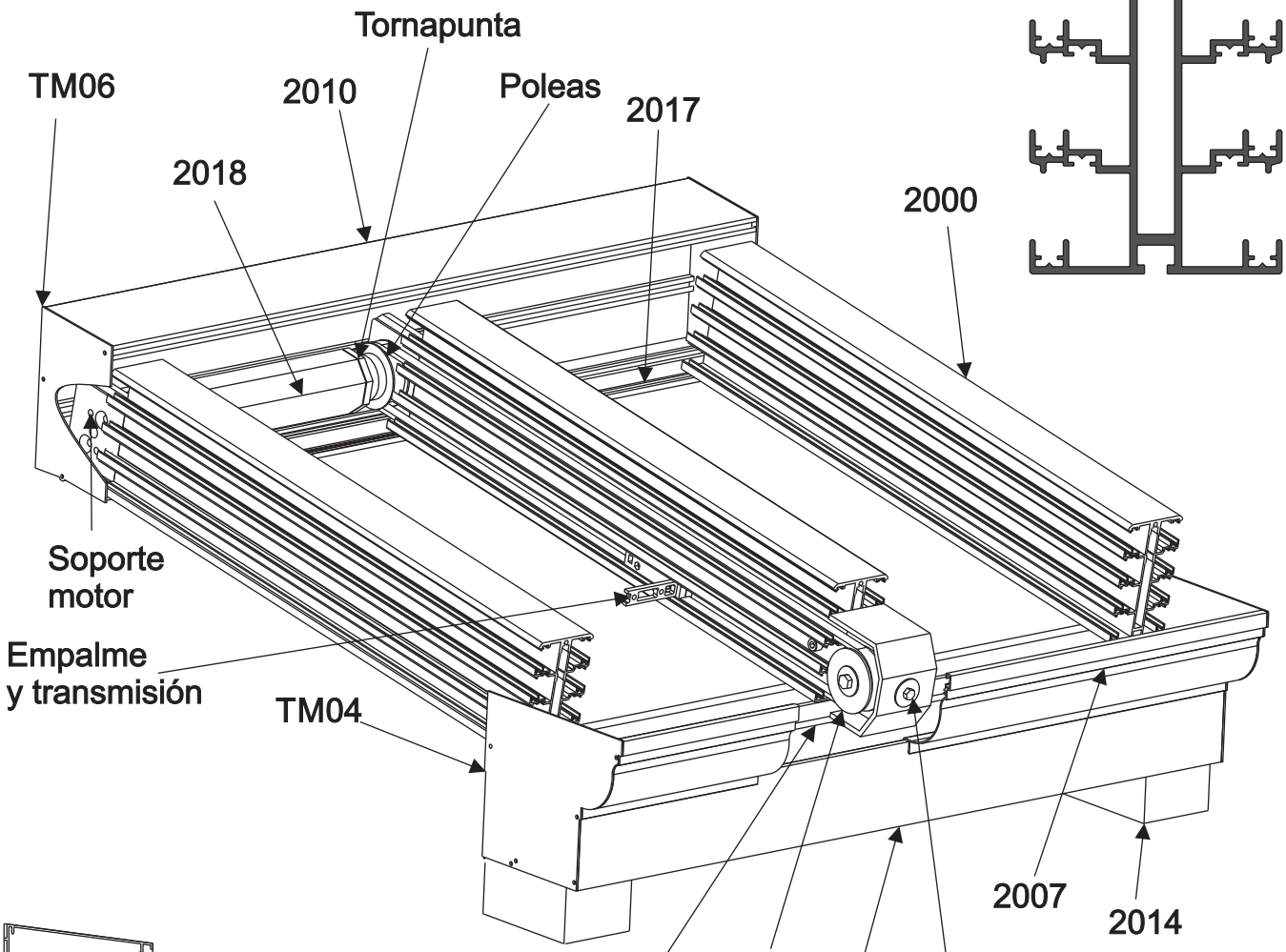


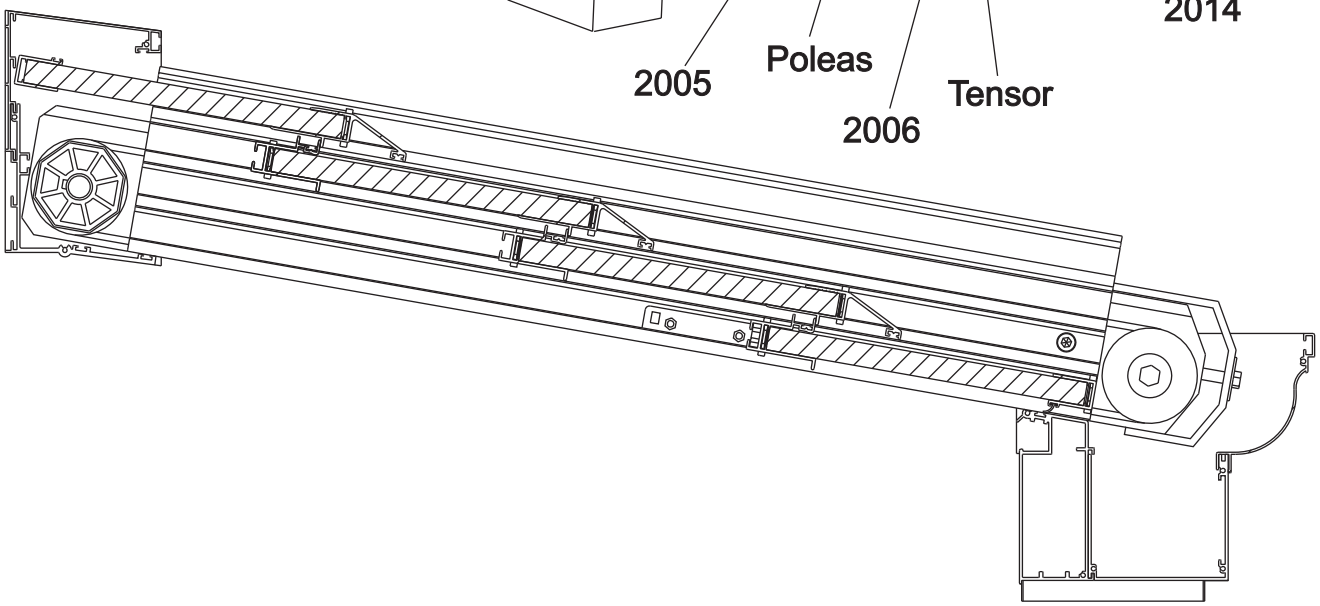
Apertura motorizada 75%
Caída máxima 6.5 metros

Para placa 16mm

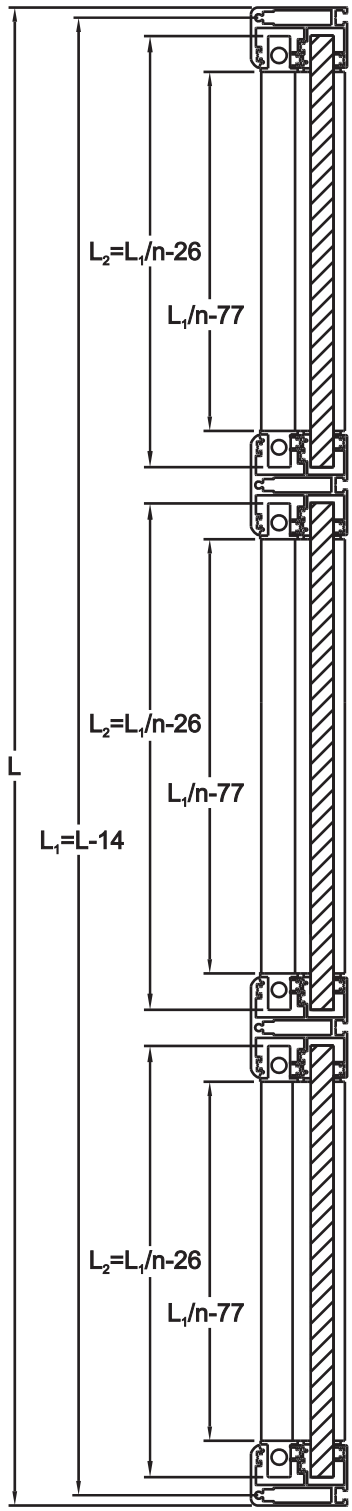
4 Carriles



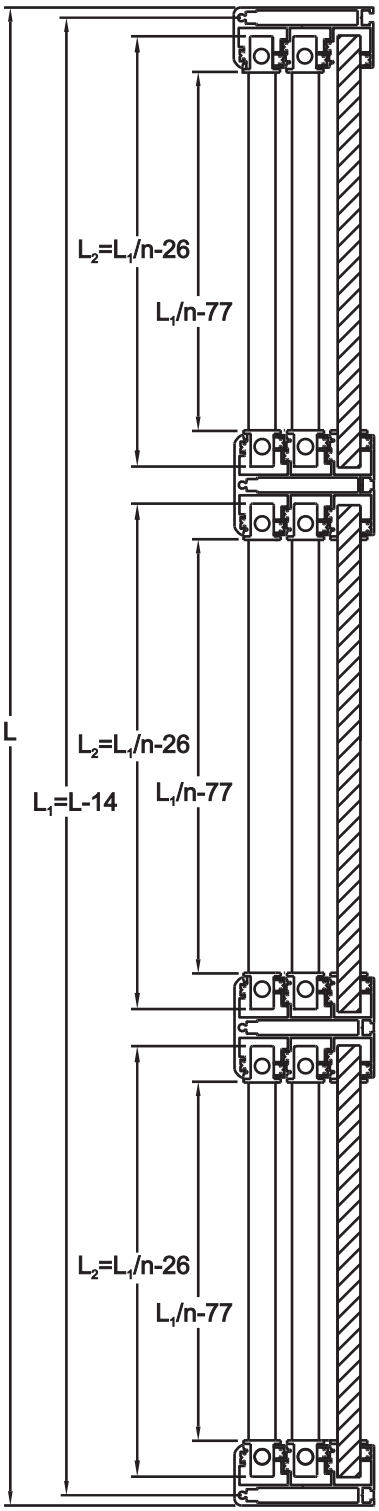




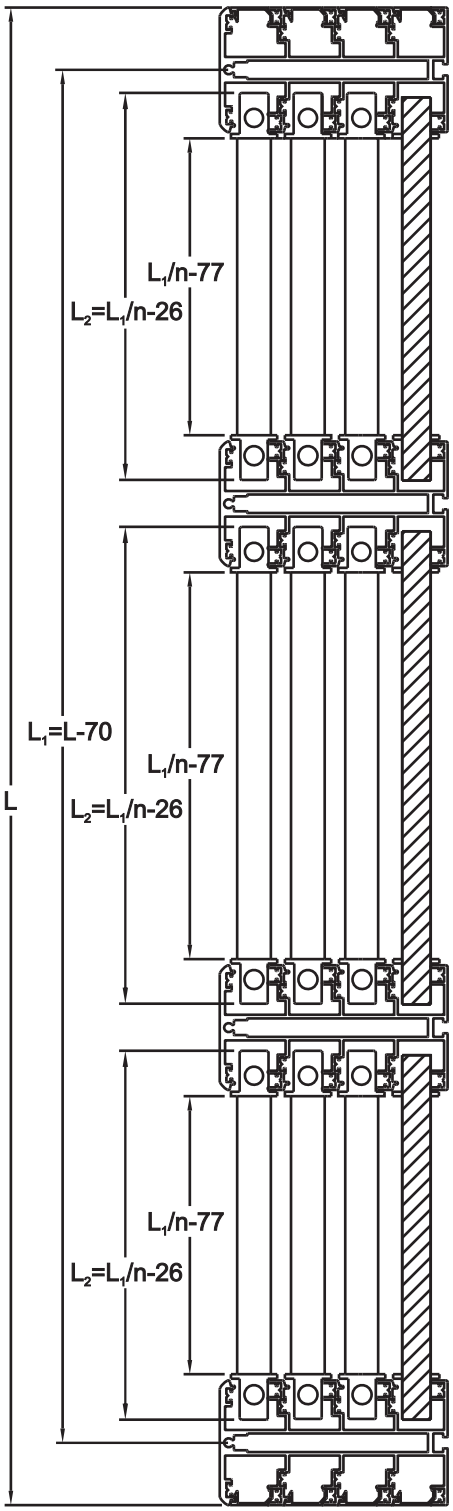
2 Carriles manual



3 Carriles manual y motorizado



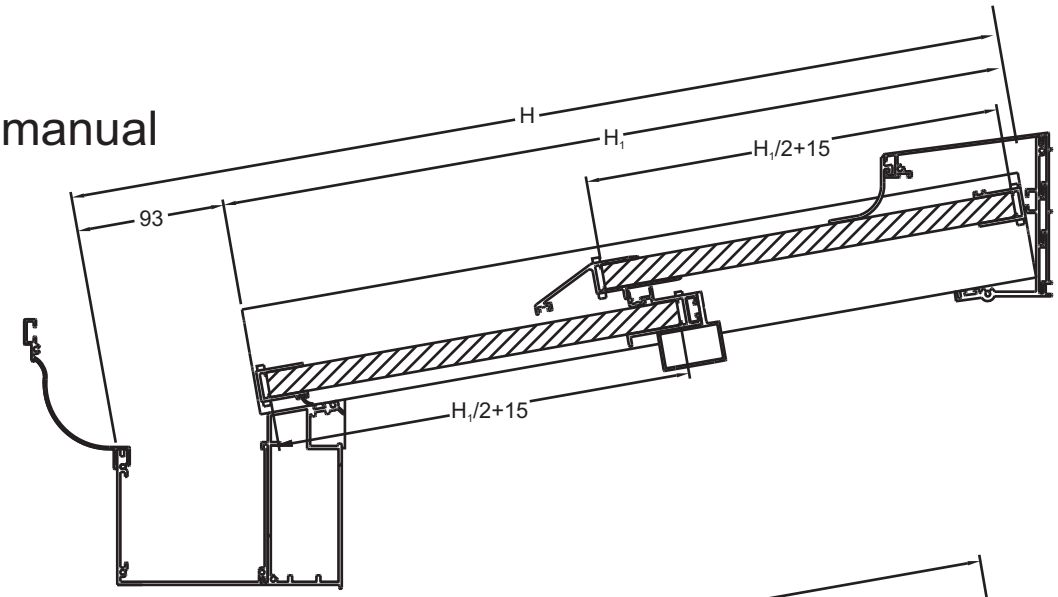
4 Carriles manual y motorizado



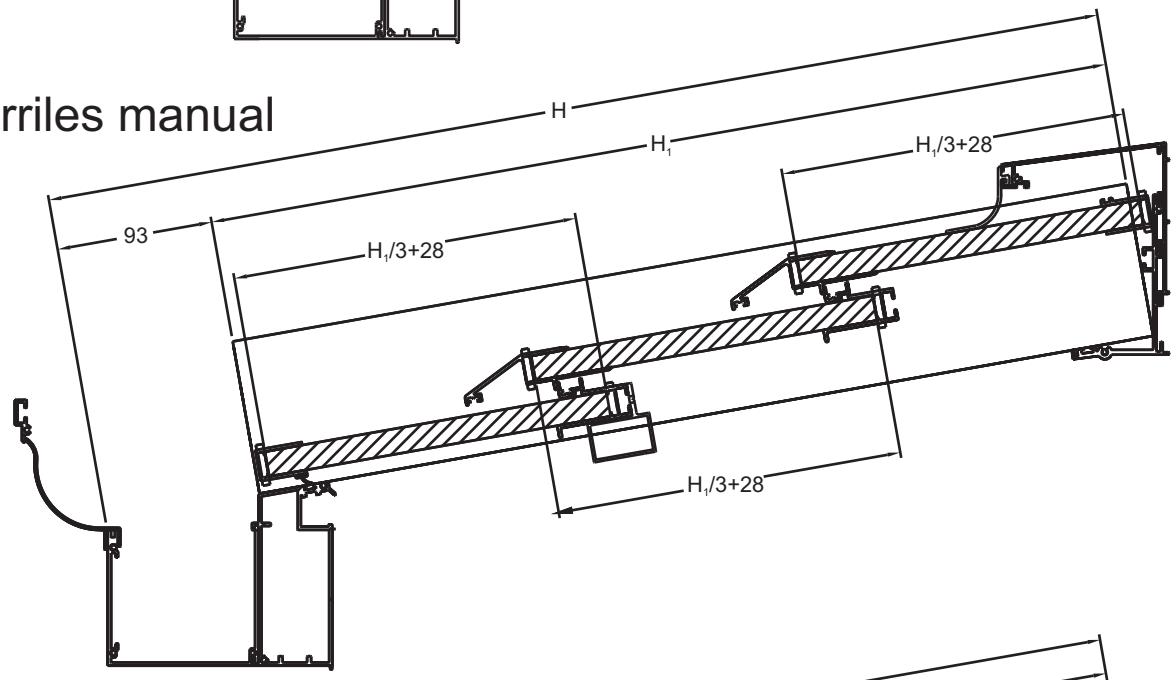
n= Número de calles

L_1= Desde el eje al extremo

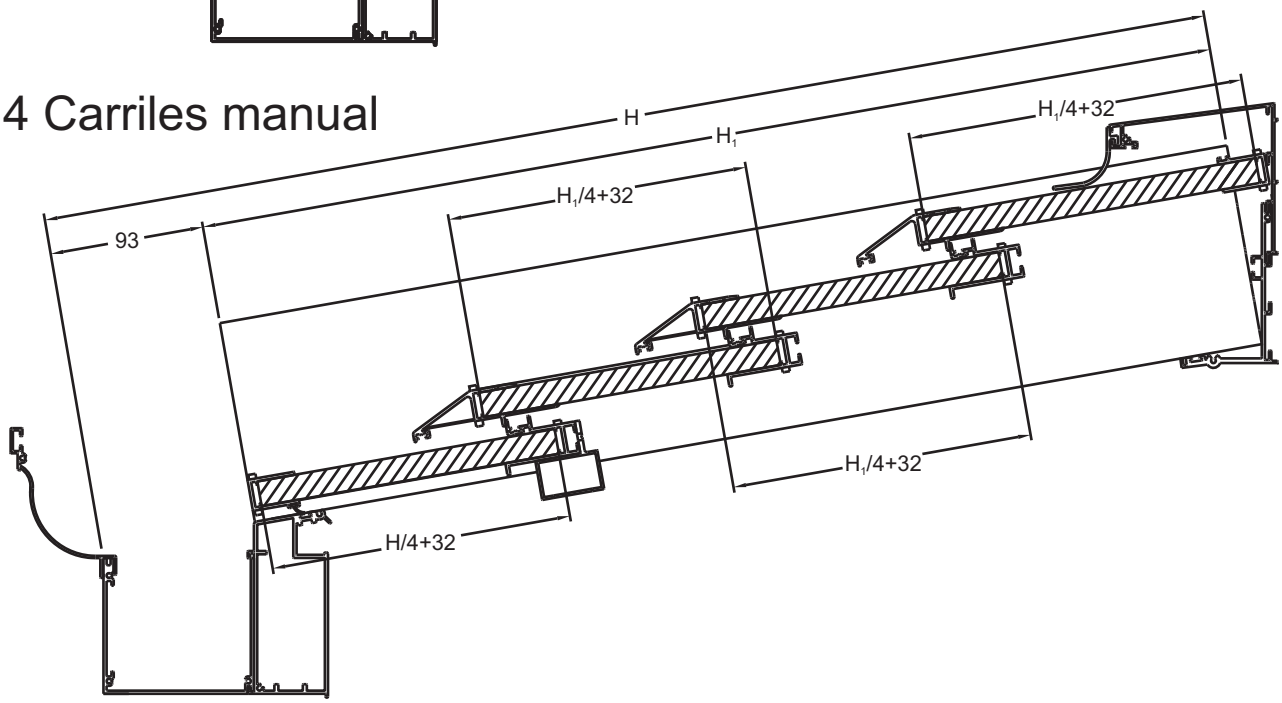
2 Carriles manual



3 Carriles manual



4 Carriles manual



CORTES

Techo Móvil Manual 2 Carriles

Número de Calles		1 Calle		2 Calles		3 Calles		4 Calles		5 Calles	
DENOMINACIÓN:	PERFIL Nº:	UNID.	CORTE	UNID.	CORTE	UNID.	CORTE	UNID.	CORTE	UNID.	CORTE
Cobija	2010	1	=L	1	=L	1	=L	1	=L	1	=L
	2011	1	=L	1	=L	1	=L	1	=L	1	=L
Guía Lateral	2020	2	$=H_1$	2	$=H_1$	2	$=H_1$	2	$=H_1$	2	$=H_1$
Guía Central	2021			1	$=H_1$	2	$=H_1$	3	$=H_1$	4	$=H_1$
Hoja Primera y Última	2008	2	=L-92	4	=L/2-84	6	=L/3-82	8	=L/4-81	10	=L/5-80
Hoja Trasversal Inferior	2003	1	=L-92	2	=L/2-84	3	=L/3-82	4	=L/4-81	5	=L/5-80
Hoja Trasversal Sup.	2004	1	=L-92	2	=L/2-84	3	=L/3-82	4	=L/4-81	5	=L/5-80
Travesaño Inferior	2005	1	=L	1	=L	1	=L	1	=L	1	=L
Canal	2006	1	=L	1	=L	1	=L	1	=L	1	=L
Canal Super. Recogida	2007	1	=L	1	=L	1	=L	1	=L	1	=L
Placa 16 mm		2	$=H_1/2+15$	4	$=H_1/2+15$	6	$=H_1/2+15$	8	$=H_1/2+15$	10	$=H_1/2+15$
			=L-40		=L/2-33		=L/3-31		=L/4-30		=L/5-29

Techo Móvil Manual 3 Carriles

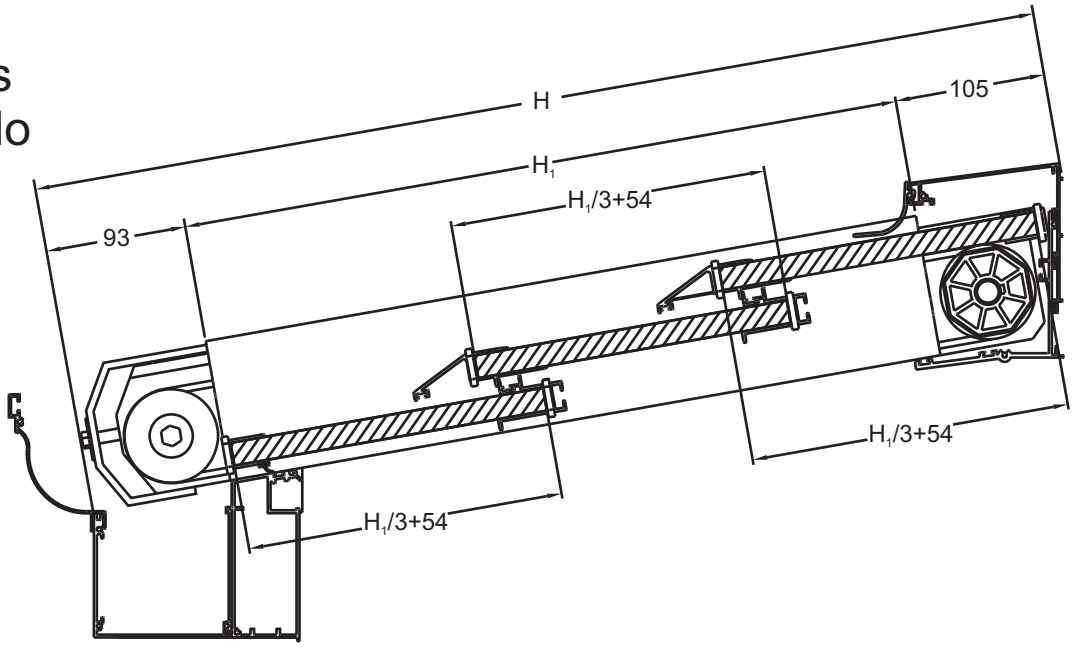
Número de Calles		1 Calle		2 Calles		3 Calles		4 Calles		5 Calles	
DENOMINACIÓN:	PERFIL Nº:	UNID.	CORTE	UNID.	CORTE	UNID.	CORTE	UNID.	CORTE	UNID.	CORTE
Cobija	2010	1	=L	1	=L	1	=L	1	=L	1	=L
	2011	1	=L	1	=L	1	=L	1	=L	1	=L
Guía Lateral	2016	2	$=H_1$	2	$=H_1$	2	$=H_1$	2	$=H_1$	2	$=H_1$
Guía Central	2001			1	$=H_1$	2	$=H_1$	3	$=H_1$	4	$=H_1$
Hoja Primera y Última	2008	2	=L-92	4	=L/2-84	6	=L/3-82	8	=L/4-81	10	=L/5-80
Hoja Trasversal Inferior	2003	2	=L-92	4	=L/2-84	6	=L/3-82	8	=L/4-81	10	=L/5-80
Hoja Trasversal Sup.	2004	2	=L-92	4	=L/2-84	6	=L/3-82	8	=L/4-81	10	=L/5-80
Travesaño Inferior	2005	1	=L	1	=L	1	=L	1	=L	1	=L
Canal	2006	1	=L	1	=L	1	=L	1	=L	1	=L
Canal Super. Recogida	2007	1	=L	1	=L	1	=L	1	=L	1	=L
Placa 16 mm		3	$=H_1/3+28$	6	$=H_1/3+28$	9	$=H_1/3+28$	12	$=H_1/3+28$	15	$=H_1/3+28$
			=L-40		=L/2-33		=L/3-31		=L/4-30		=L/5-29

Techo Móvil Manual 4 Carriles

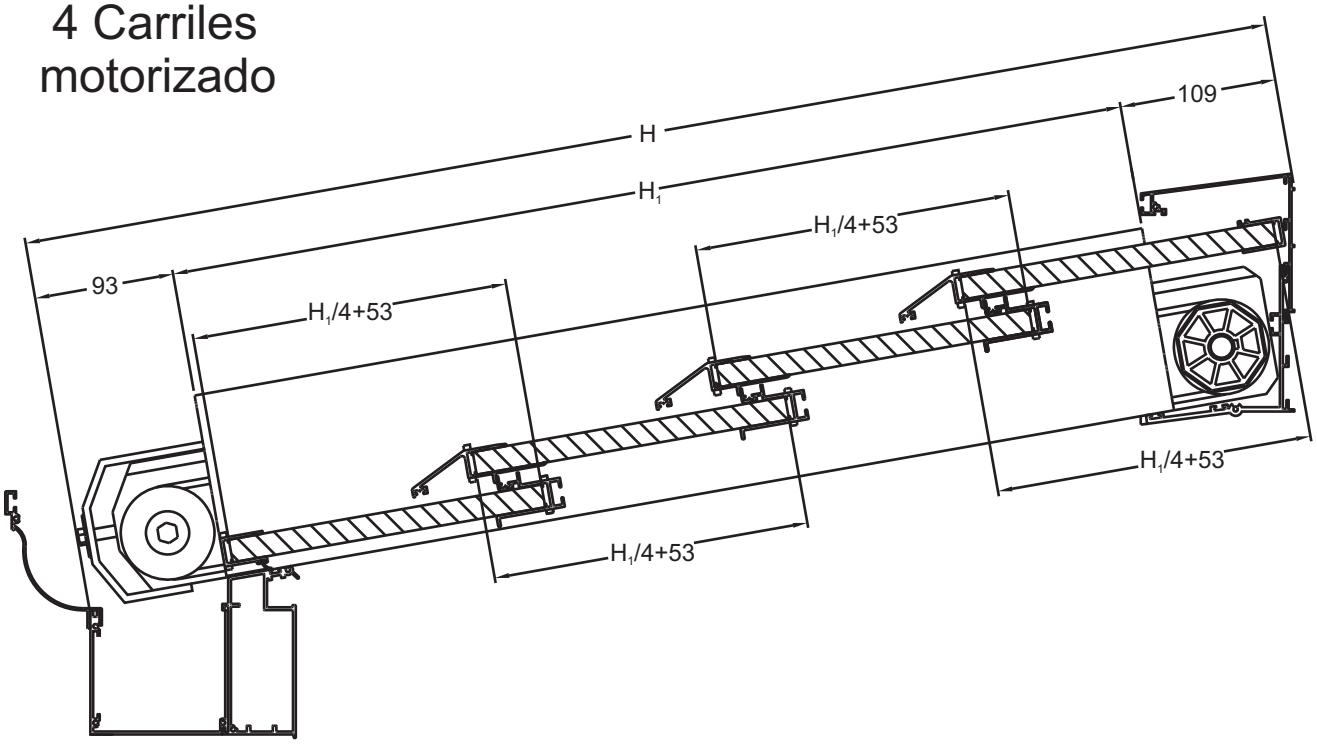
Número de Calles		1 Calle		2 Calles		3 Calles		4 Calles		5 Calles	
DENOMINACIÓN:	PERFIL Nº:	UNID.	CORTE	UNID.	CORTE	UNID.	CORTE	UNID.	CORTE	UNID.	CORTE
Cobija	2010	1	=L	1	=L	1	=L	1	=L	1	=L
	2011		=L	1	=L	1	=L	1	=L	1	=L
Guía Lateral			$=H_1$		$=H_1$		$=H_1$		$=H_1$		$=H_1$
Guía Central	2000	2	$=H_1$	3	$=H_1$	4	$=H_1$	5	$=H_1$	6	$=H_1$
Hoja Primera y Última	2008	2	=L-147	4	=L/2-110	6	=L/3-100	8	=L/4-95	10	=L/5-91
Hoja Trasversal Inferior	2003	3	=L-147	6	=L/2-110	9	=L/3-100	12	=L/4-95	15	=L/5-91
Hoja Trasversal Sup.	2004	3	=L-147	6	=L/2-110	9	=L/3-100	12	=L/4-95	15	=L/5-91
Travesaño Inferior	2005	1	=L	1	=L	1	=L	1	=L	1	=L
Canal	2006	1	=L	1	=L	1	=L	1	=L	1	=L
Canal Super. Recogida	2007	1	=L	1	=L	1	=L	1	=L	1	=L
Placa 16 mm		4	$=H_1/4+32$	8	$=H_1/4+32$	12	$=H_1/4+32$	16	$=H_1/4+32$	20	$=H_1/4+32$
			=L-96		=L/2-59		=L/3-49		=L/4-44		=L/5-40
Embellecedor	2009	6	$=H_1$	6	$=H_1$	6	$=H_1$	6	$=H_1$	6	$=H_1$

ESQUEMA DE CORTES

3 Carriles motorizado



4 Carriles motorizado



CORTES

Techo Móvil Motorizado 3 Carriles

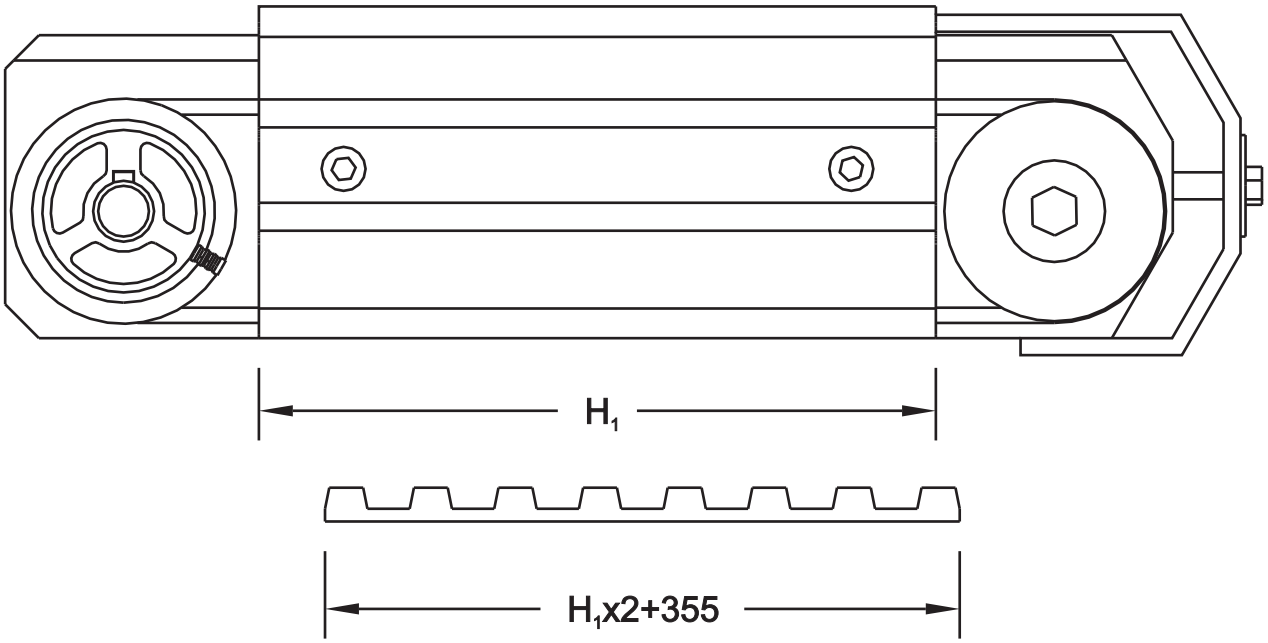
Número de Calles		1 Calle		2 Calles		3 Calles		4 Calles		5 Calles	
DENOMINACIÓN:	PERFIL Nº:	UNID.	CORTE	UNID.	CORTE	UNID.	CORTE	UNID.	CORTE	UNID.	CORTE
Cobija	2010	1	=L	1	=L	1	=L	1	=L	1	=L
	2017	1	=L	1	=L	1	=L	1	=L	1	=L
Guía Lateral	2016	2	$=H_1$	2	$=H_1$	2	$=H_1$	2	$=H_1$	2	$=H_1$
Guía Central	2001			1	$=H_1$	2	$=H_1$	3	$=H_1$	4	$=H_1$
Hoja Primera y Última	2008	2	=L-92	4	=L/2-84	6	=L/3-82	8	=L/4-81	10	=L/5-80
Hoja Trasversal Inferior	2003	2	=L-92	4	=L/2-84	6	=L/3-82	8	=L/4-81	10	=L/5-80
Hoja Trasversal Sup.	2004	2	=L-92	4	=L/2-84	6	=L/3-82	8	=L/4-81	10	=L/5-80
Travesaño Inferior	2005	1	=L	1	=L	1	=L	1	=L	1	=L
Canal	2006	1	=L	1	=L	1	=L	1	=L	1	=L
Canal Super. Recogida	2007	1	=L	1	=L	1	=L	1	=L	1	=L
Placa 16 mm		3	$=H_1/3+54$ =L-40	6	$=H_1/3+54$ =L/2-33	9	$=H_1/3+54$ =L/3-31	12	$=H_1/3+54$ =L/4-30	15	$=H_1/3+54$ =L/5-29

Techo Móvil Motorizado 4 Carriles

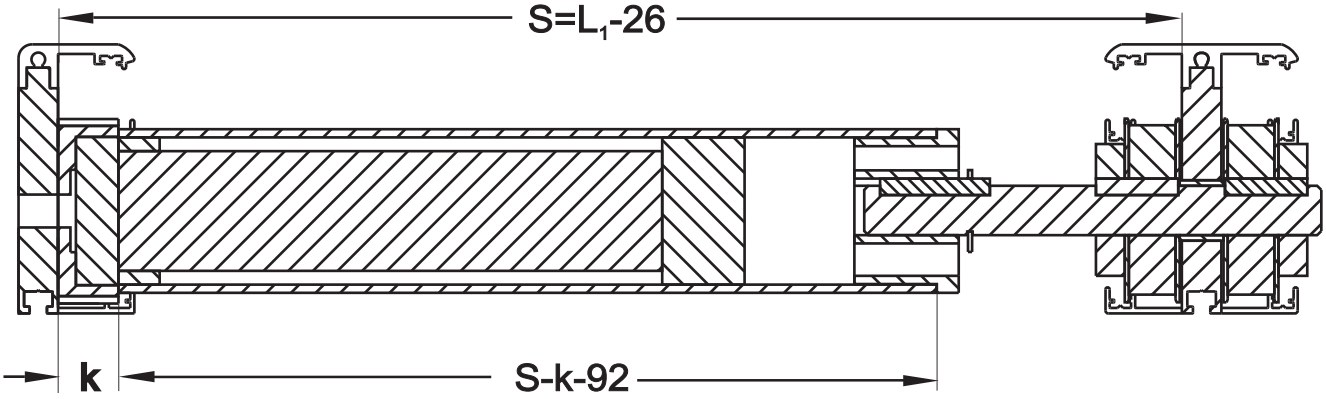
Número de Calles		1 Calle		2 Calles		3 Calles		4 Calles		5 Calles	
DENOMINACIÓN:	PERFIL Nº:	UNID.	CORTE	UNID.	CORTE	UNID.	CORTE	UNID.	CORTE	UNID.	CORTE
Cobija	2010	1	=L	1	=L	1	=L	1	=L	1	=L
	2017		=L	1	=L	1	=L	1	=L	1	=L
Guía Lateral			$=H_1$		$=H_1$		$=H_1$		$=H_1$		$=H_1$
Guía Central	2000	2	$=H_1$	3	$=H_1$	4	$=H_1$	5	$=H_1$	6	$=H_1$
Hoja Primera y Última	2008	2	=L-147	4	=L/2-110	6	=L/3-100	8	=L/4-95	10	=L/5-91
Hoja Trasversal Inferior	2003	3	=L-147	6	=L/2-110	9	=L/3-100	12	=L/4-95	15	=L/5-91
Hoja Trasversal Sup.	2004	3	=L-147	6	=L/2-110	9	=L/3-100	12	=L/4-95	15	=L/5-91
Travesaño Inferior	2005	1	=L	1	=L	1	=L	1	=L	1	=L
Canal	2006	1	=L	1	=L	1	=L	1	=L	1	=L
Canal Super. Recogida	2007	1	=L	1	=L	1	=L	1	=L	1	=L
Placa 16 mm		4	$=H_1/4+53$ =L-96	8	$=H_1/4+53$ =L/2-59	12	$=H_1/4+53$ =L/3-49	16	$=H_1/4+53$ =L/4-44	20	$=H_1/4+53$ =L/5-40
Embellecedor	2009	6	$=H_1$	6	$=H_1$	6	$=H_1$	6	$=H_1$	6	$=H_1$

Cálculo desarrollo correa

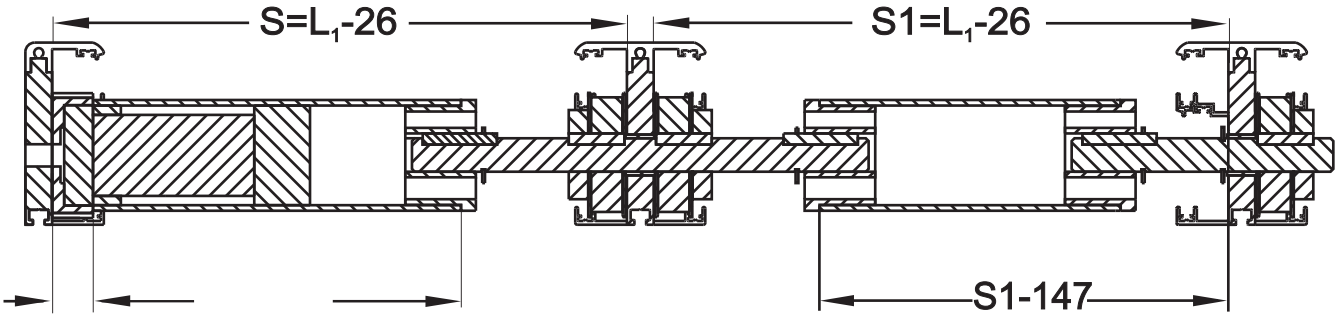
ESQUEMA DE CORTES



Cálculo octógono 2 calles

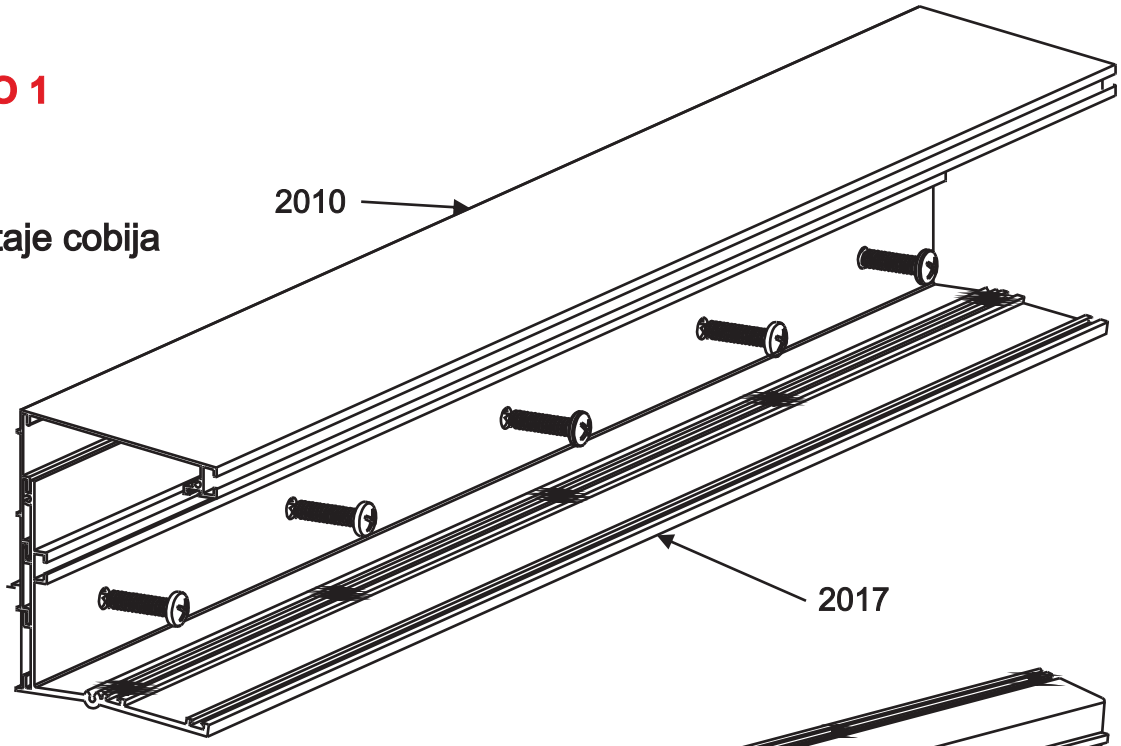


Cálculo octógono 3 calles

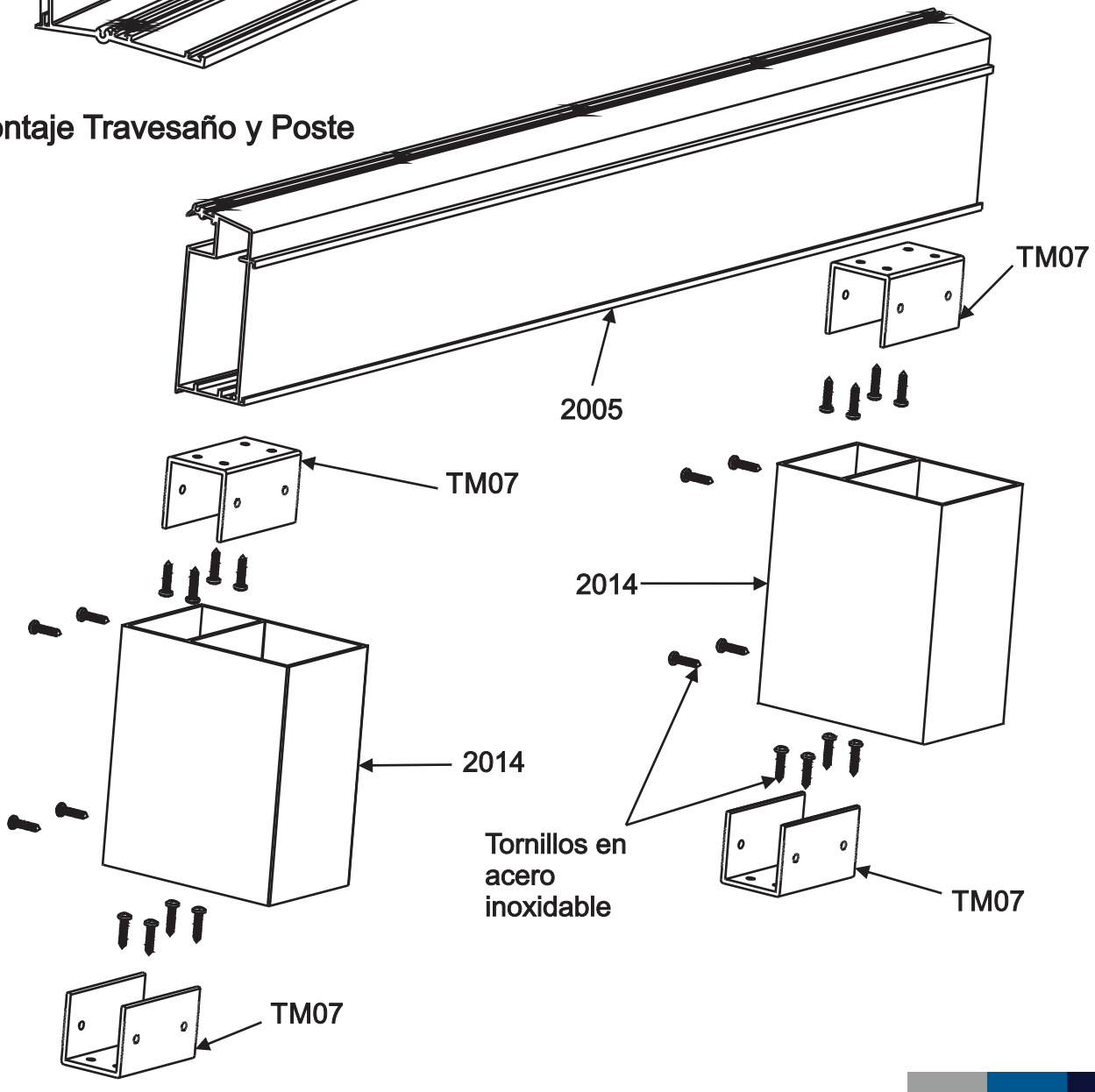


PASO 1

Montaje cobija

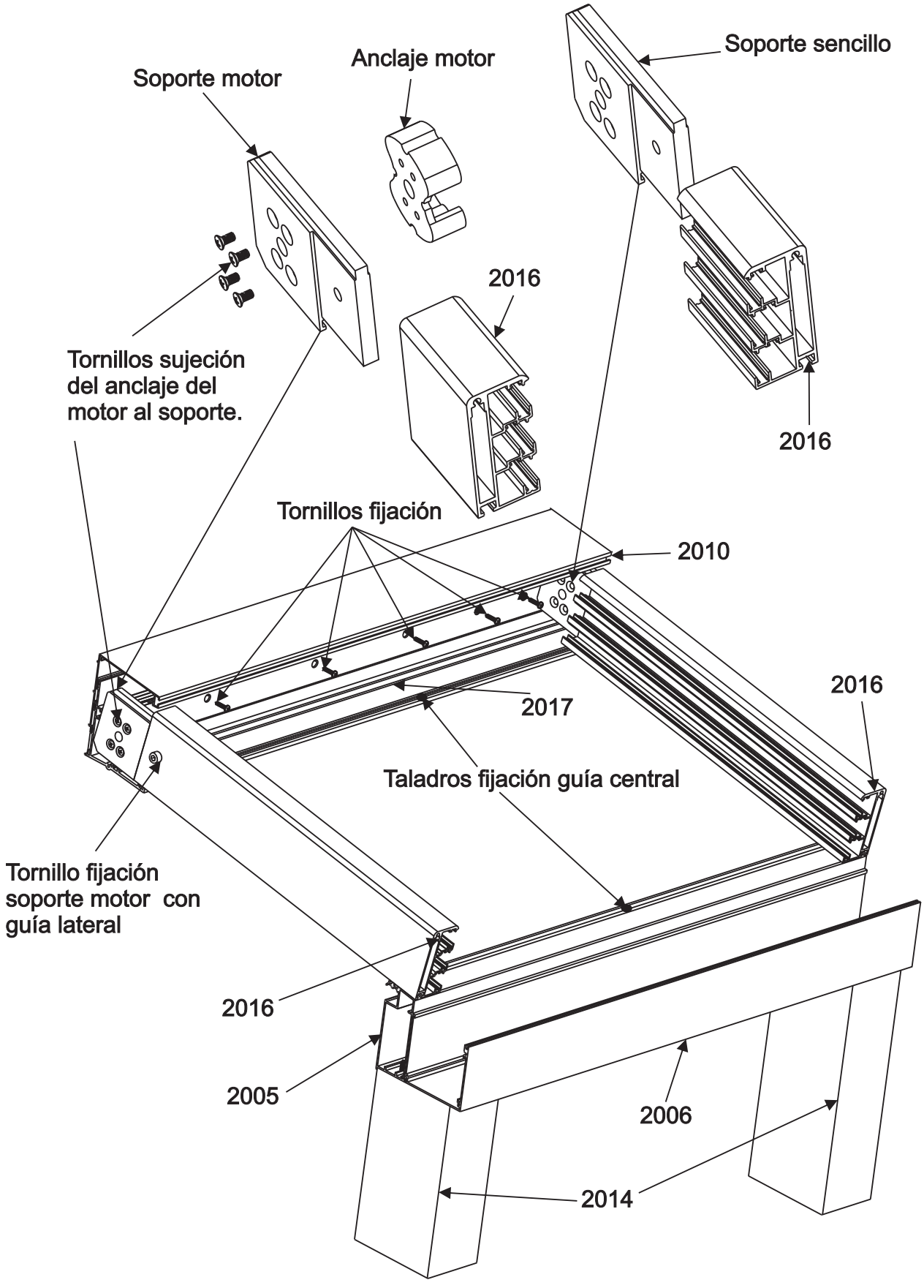


Montaje Travesaño y Poste



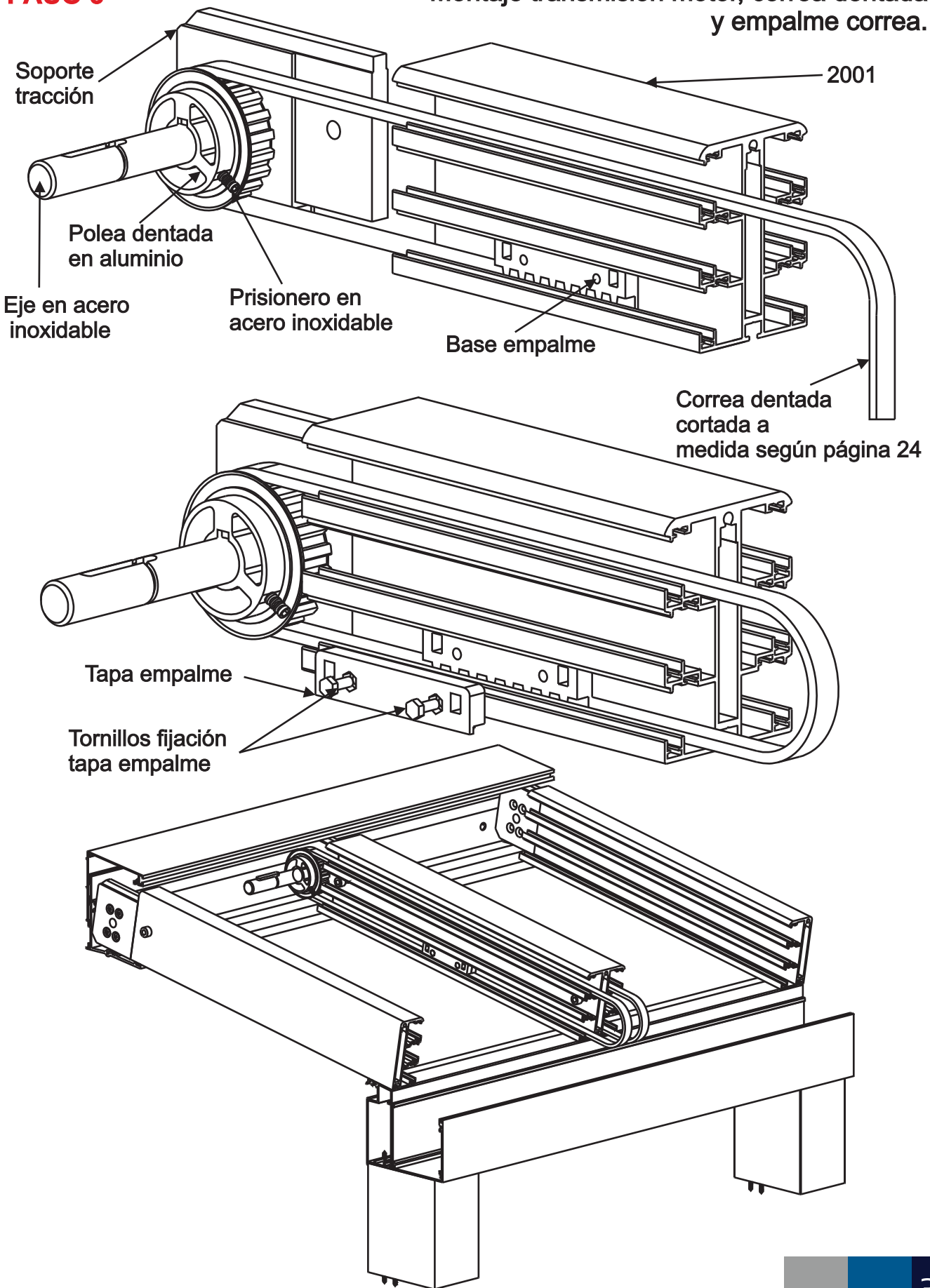
Montaje guías de los extremos y sujeción del motor.

PASO 2



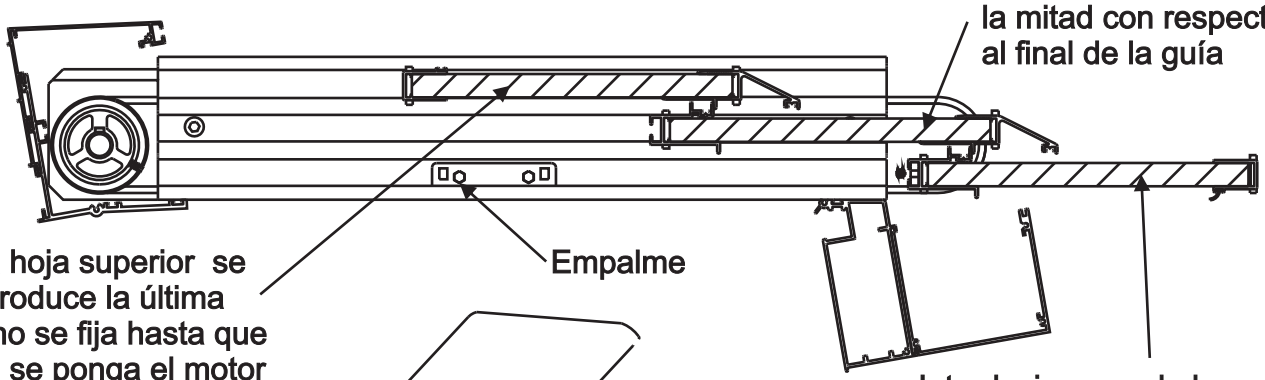
PASO 3

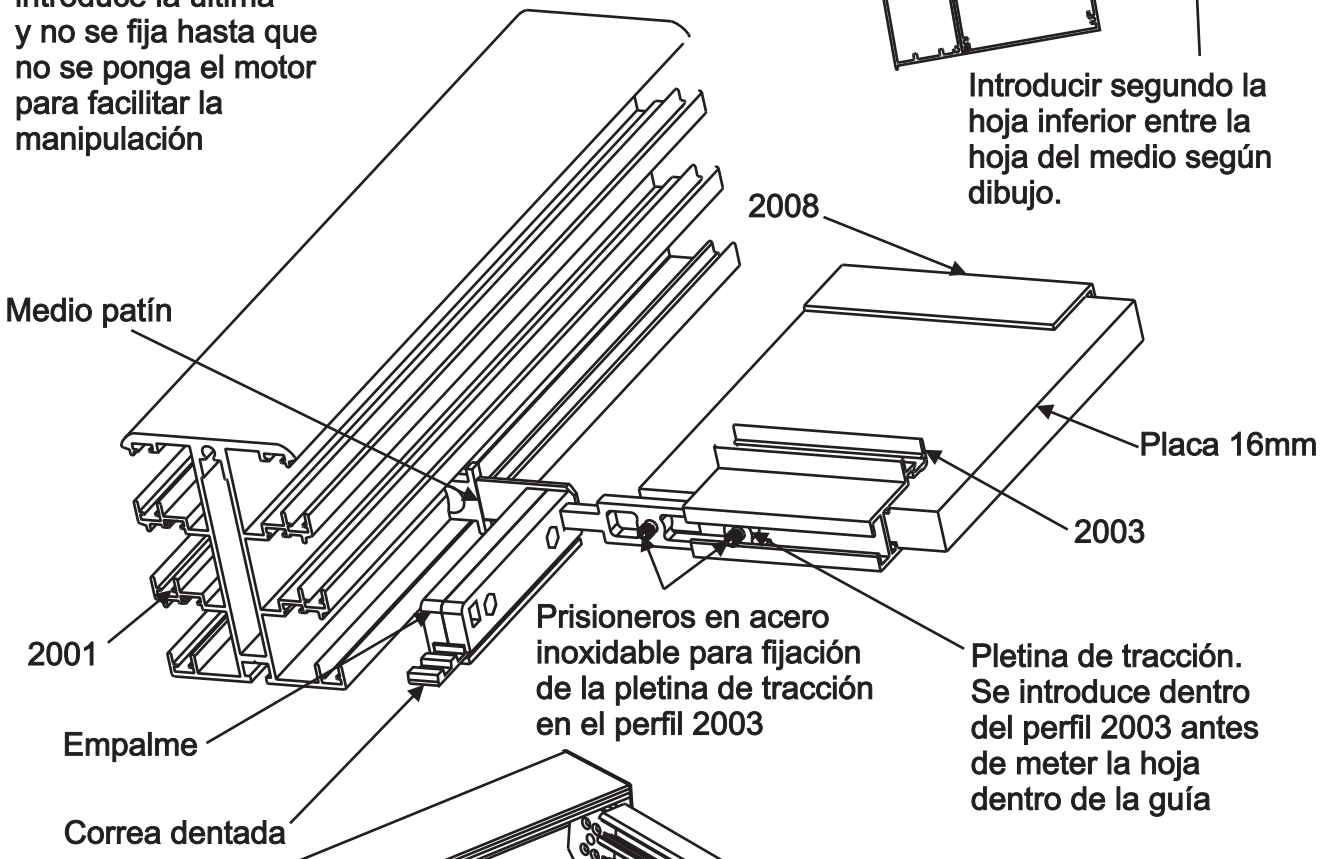
Montaje transmisión motor, correa dentada y empalme correa.

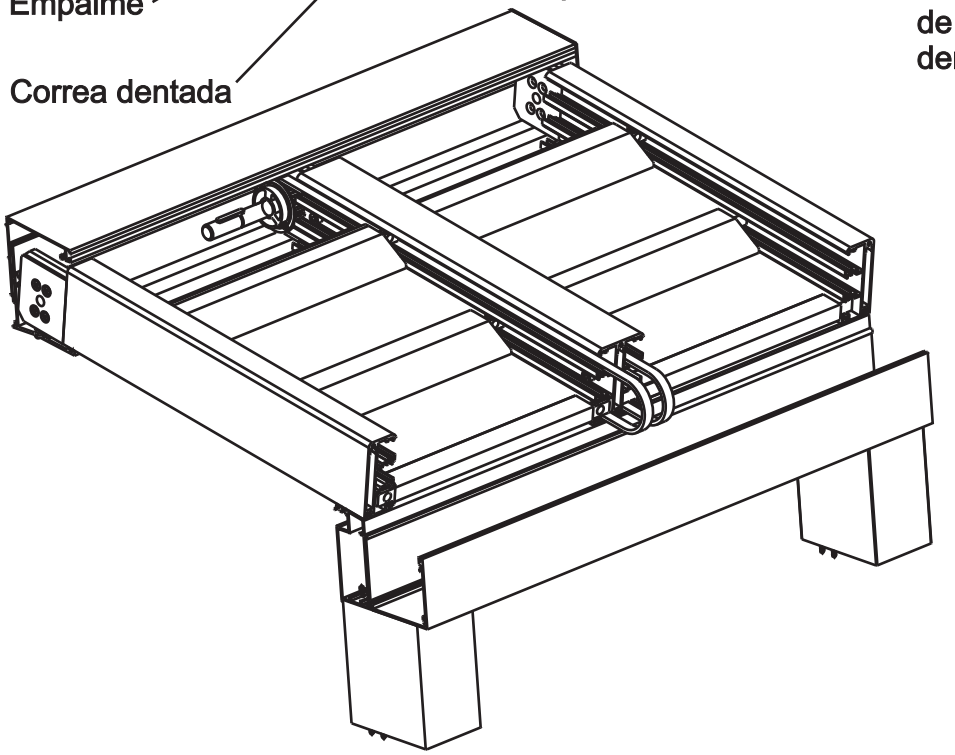


Montaje hojas y pletina tracción

PASO 4

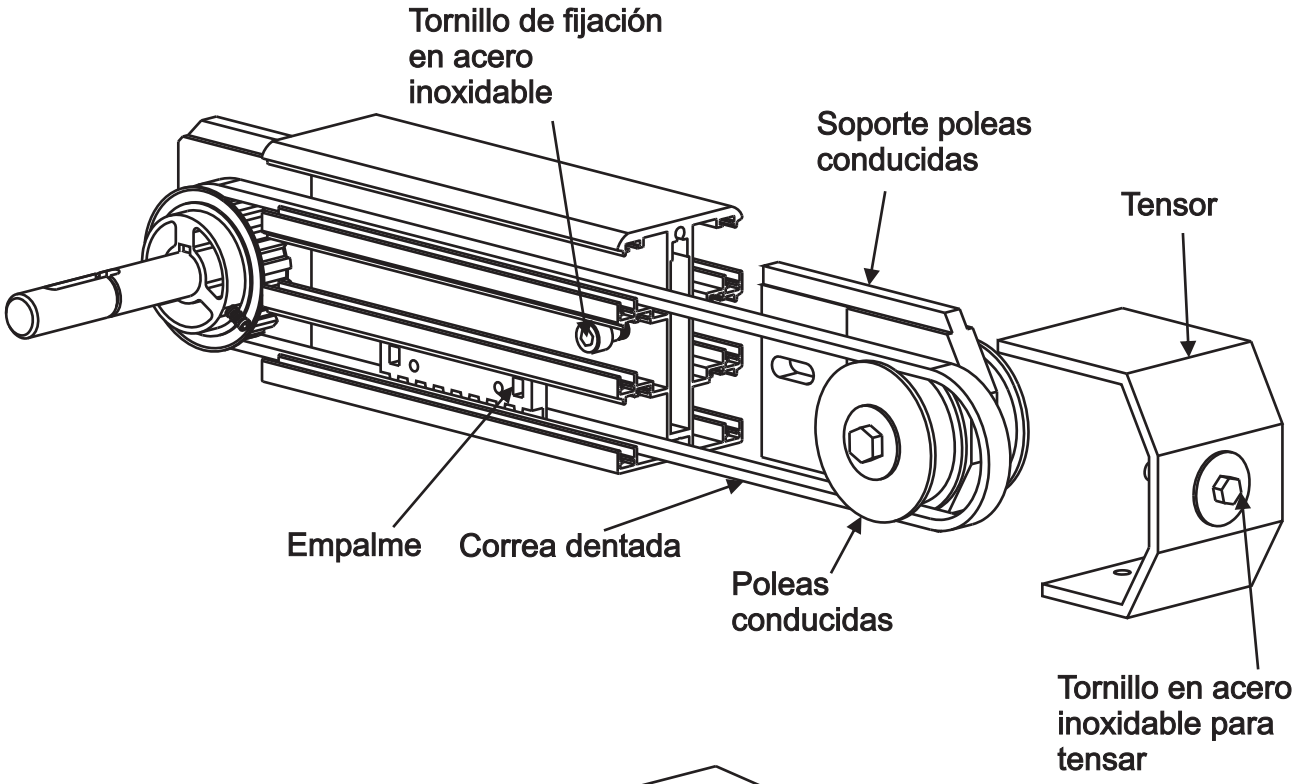


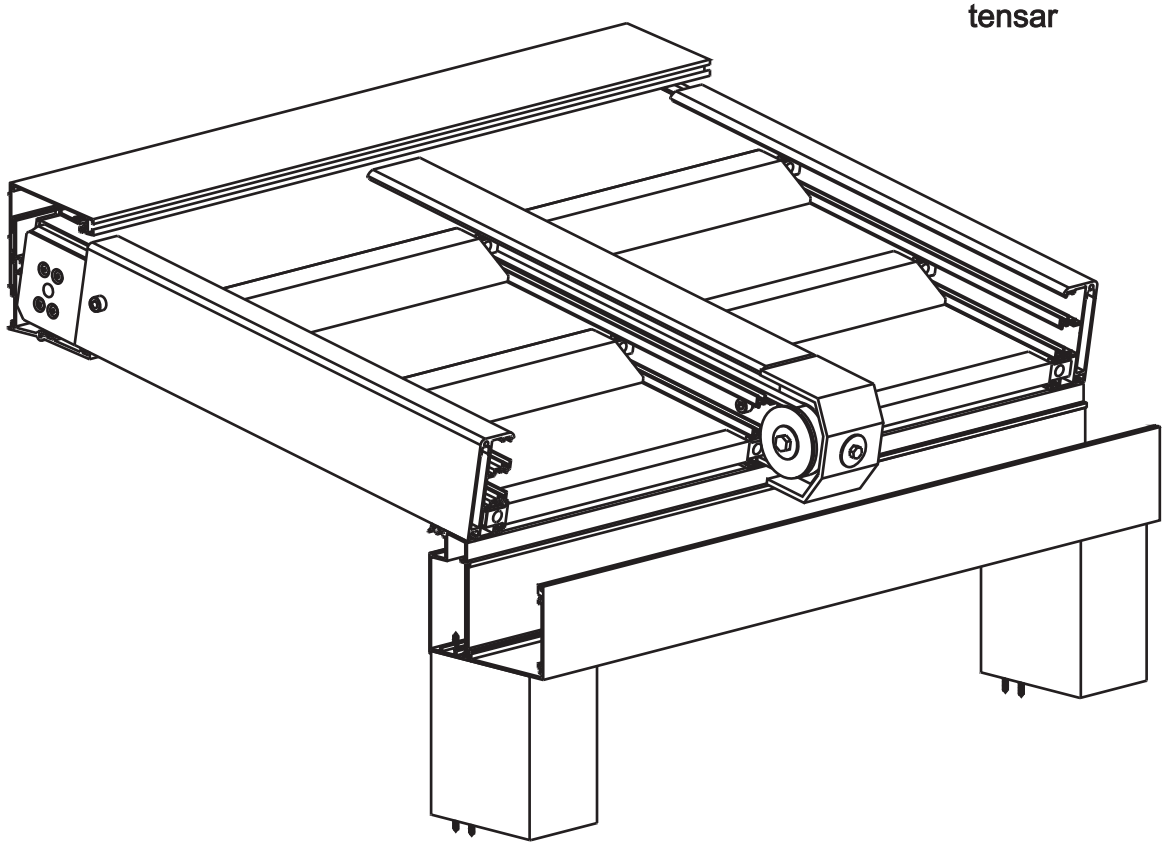




Montaje soporte poleas conducidas y tensor.

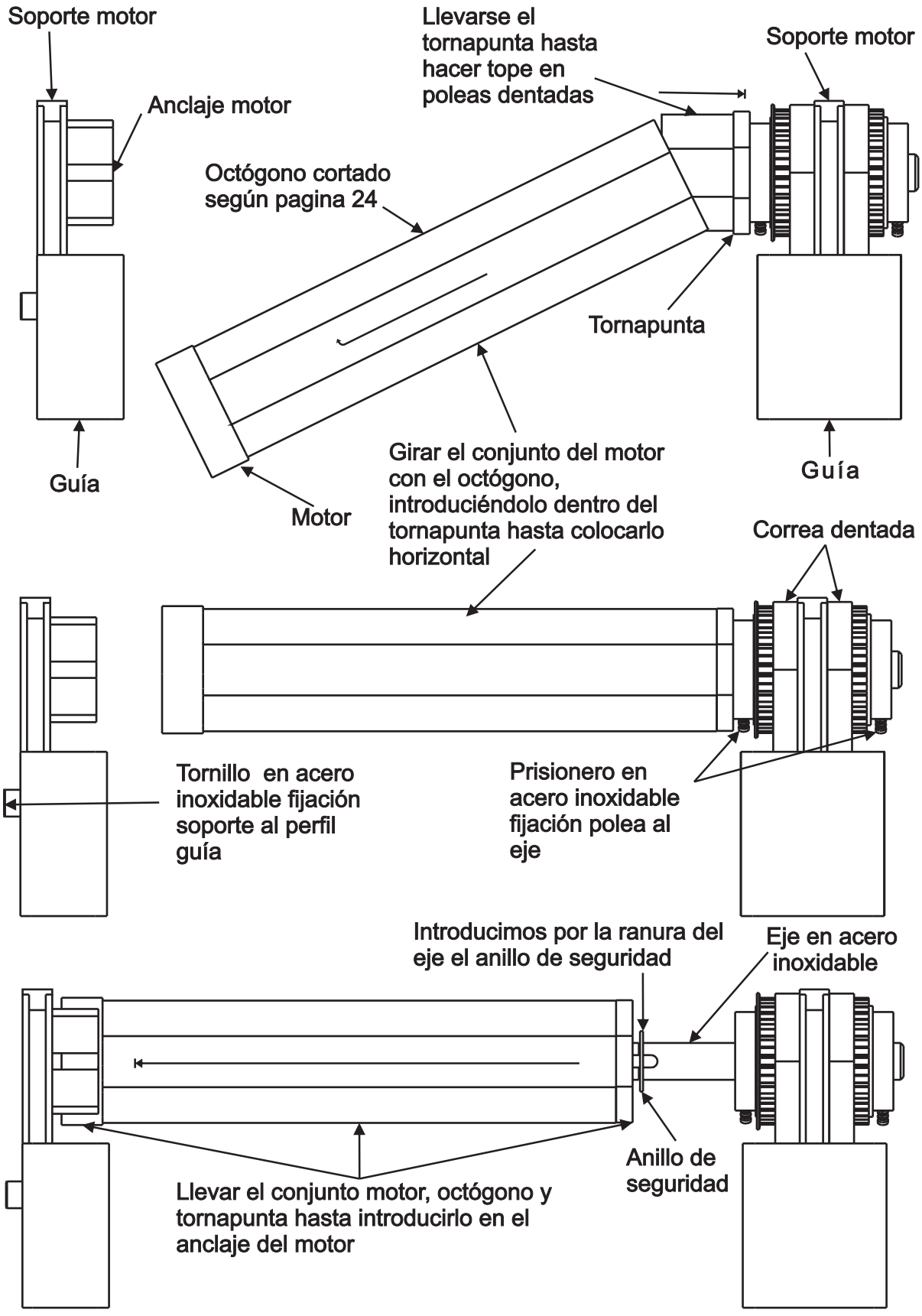
PASO 5





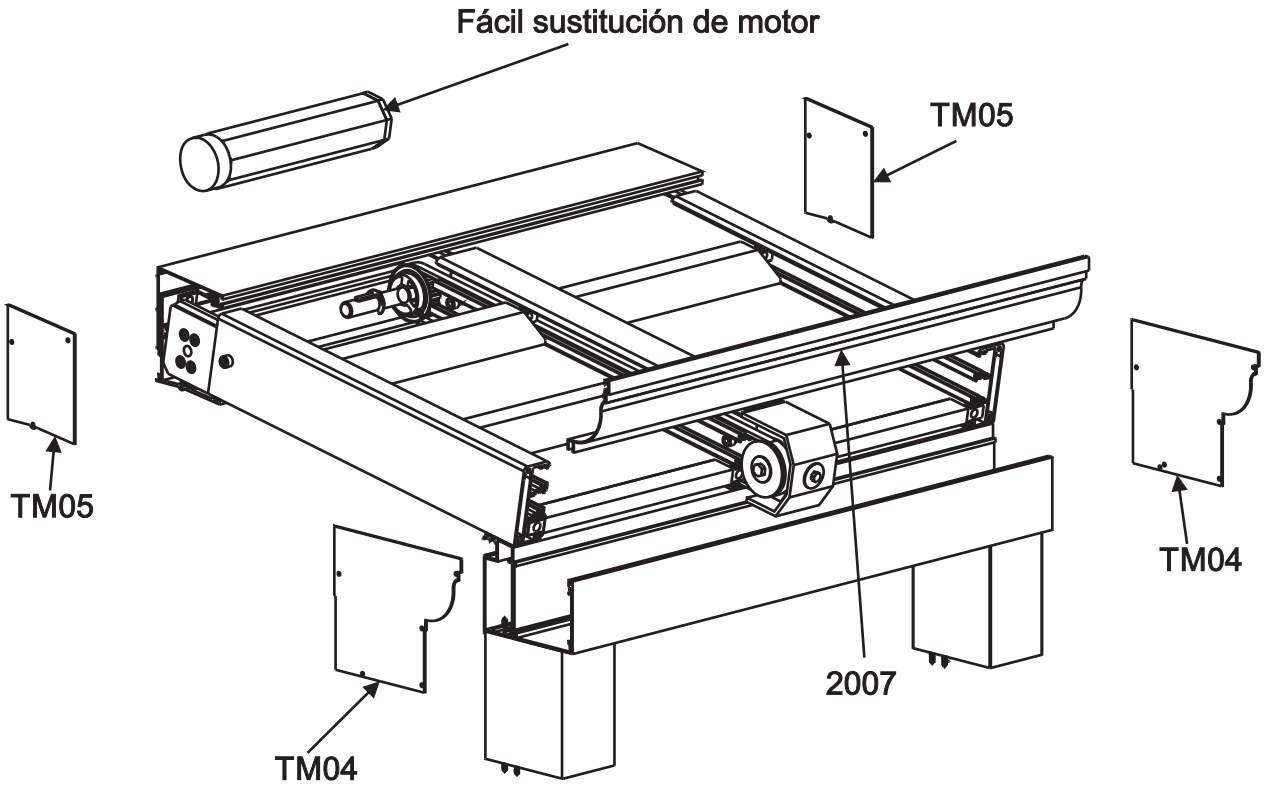
Montaje del motor dentro del techo.

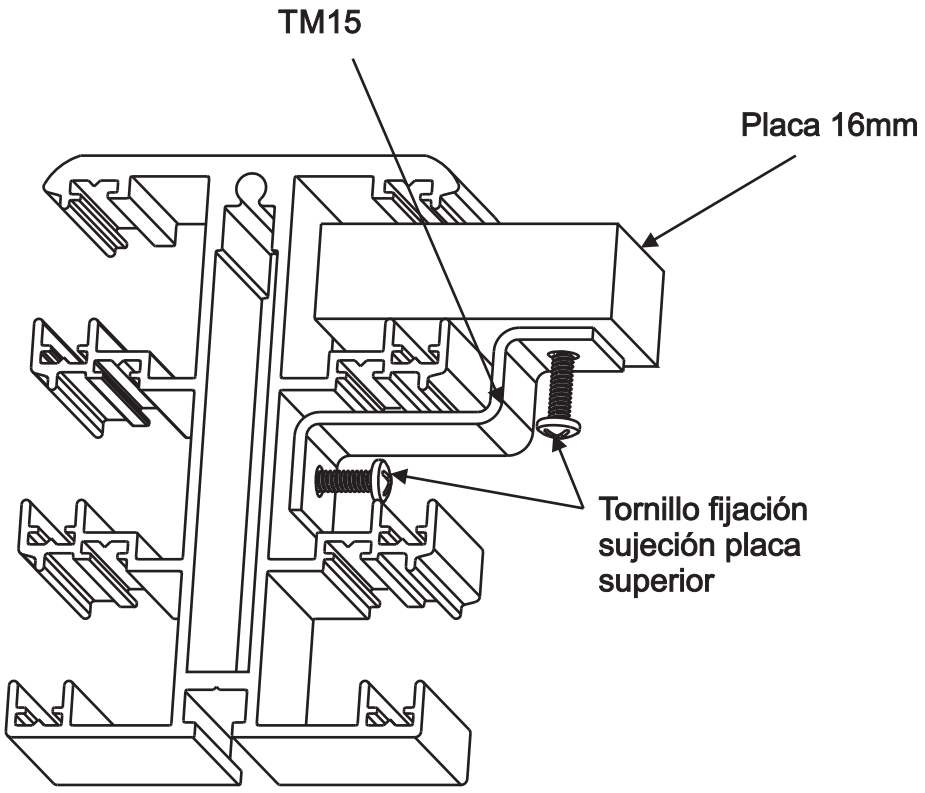
PASO 6

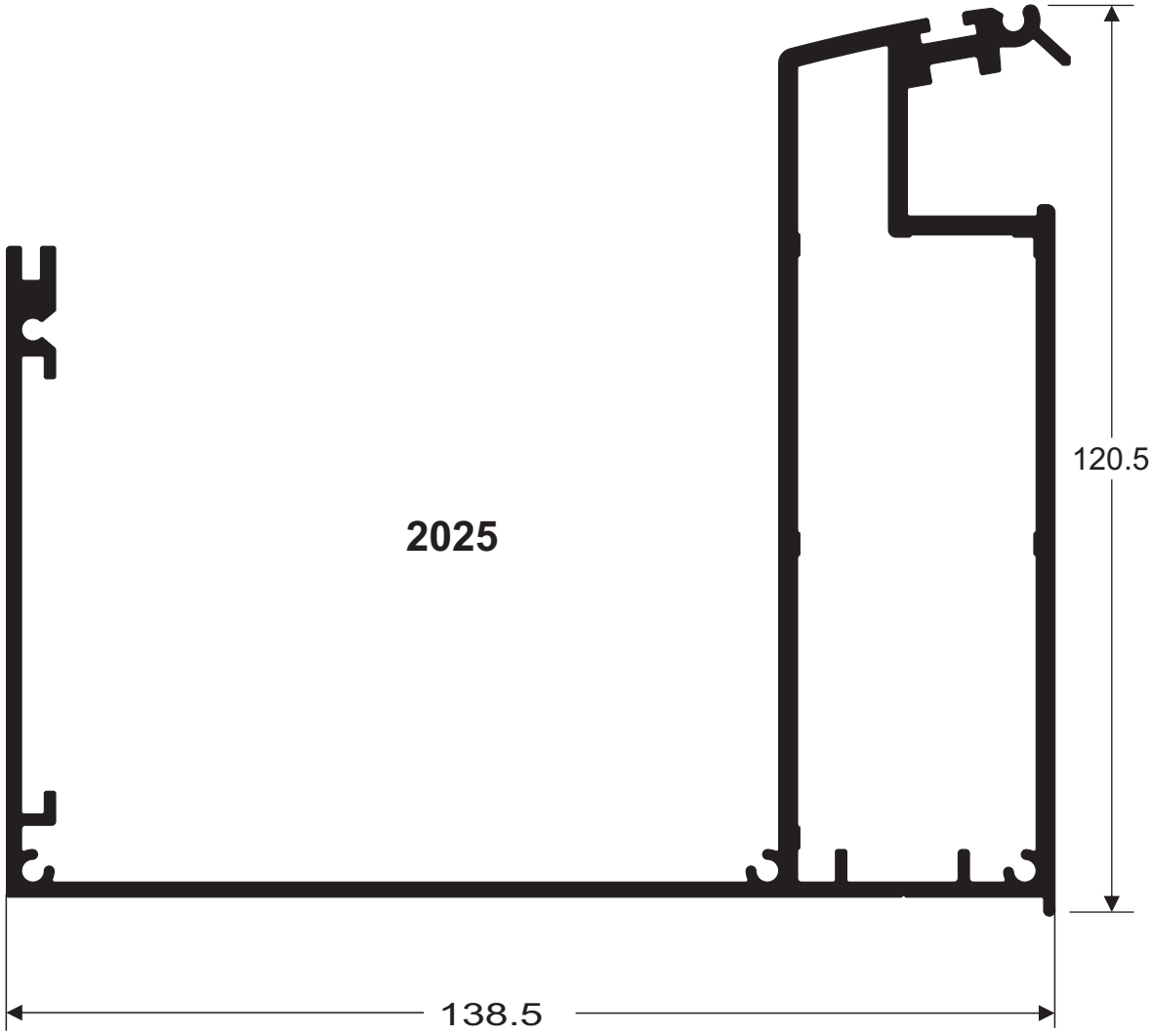


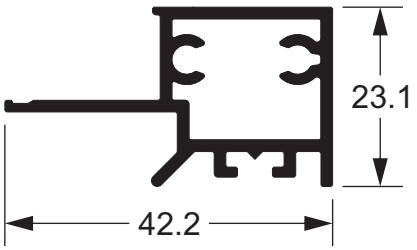
Montaje de tapas, embellecedor y sujeción policarbonato superior

PASO 7









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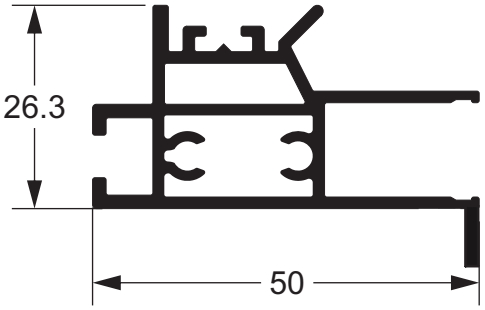

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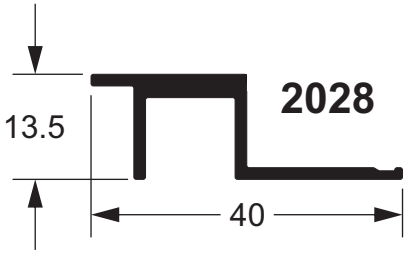

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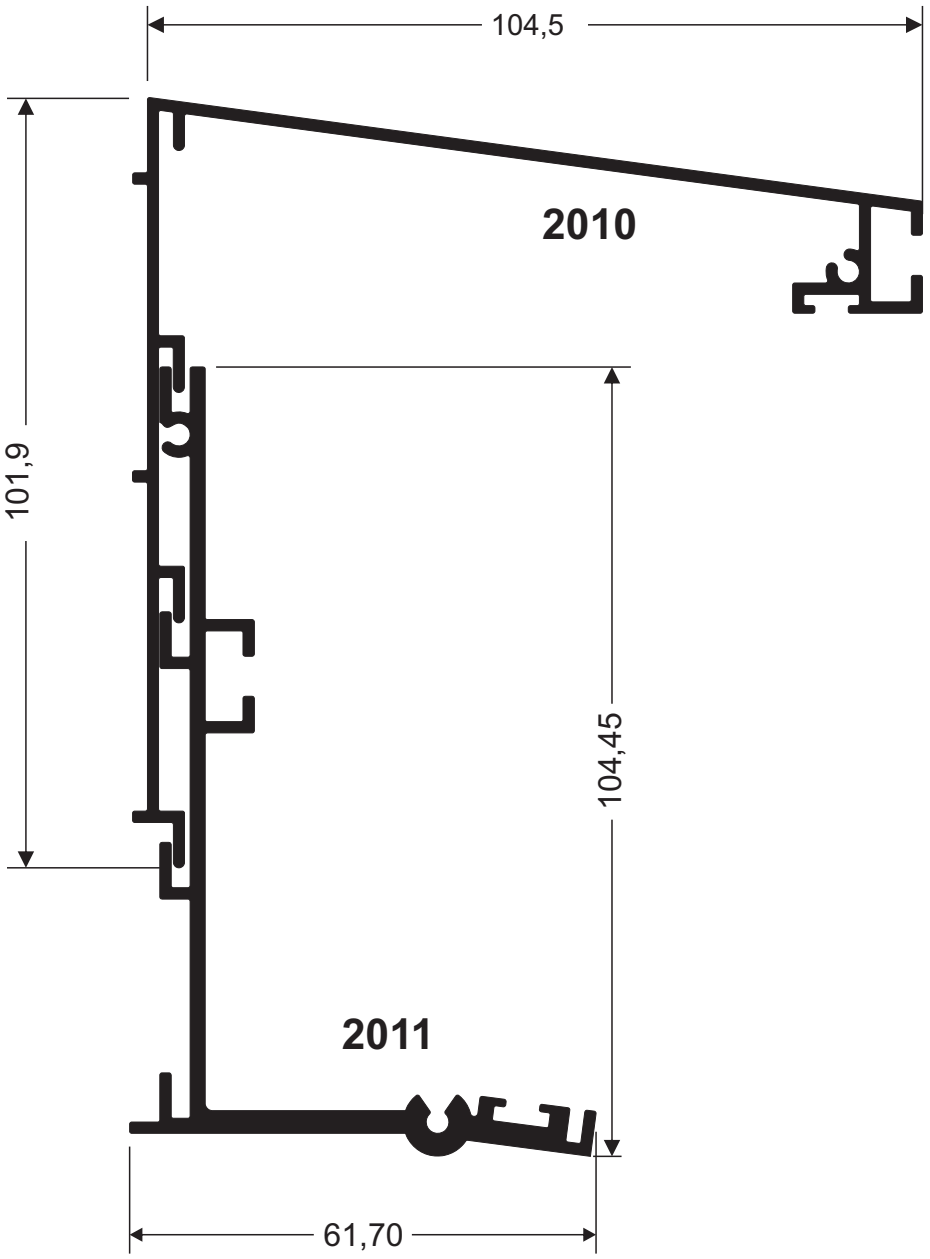

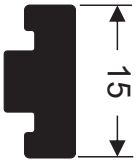

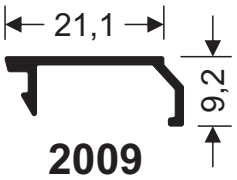

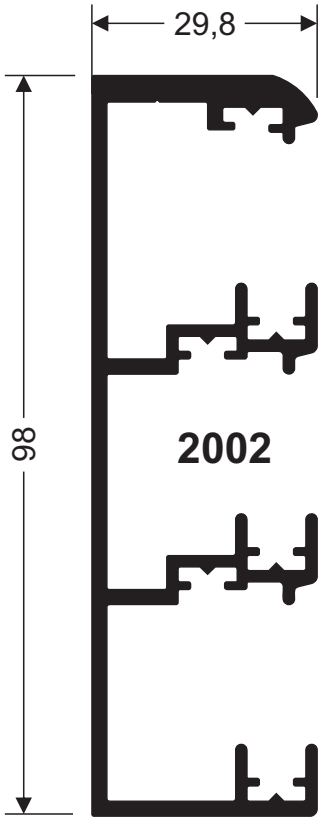
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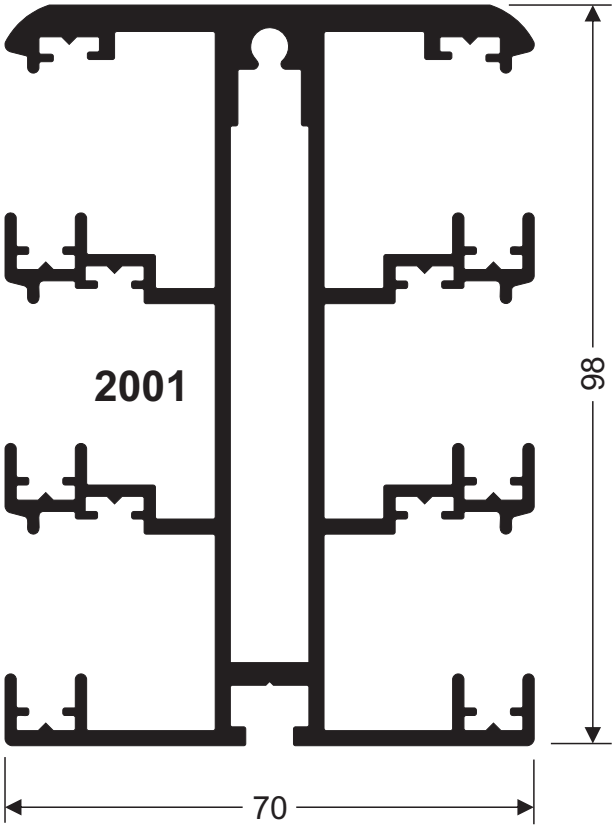
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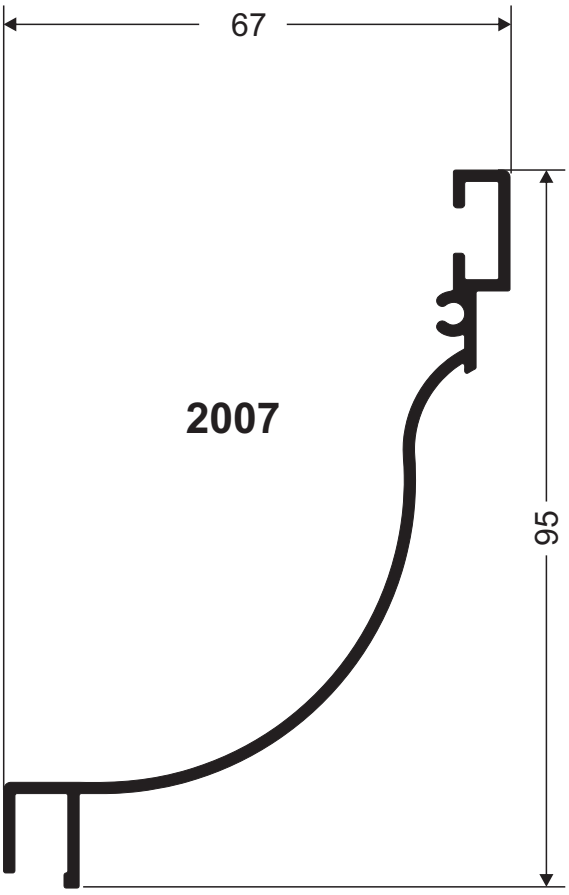
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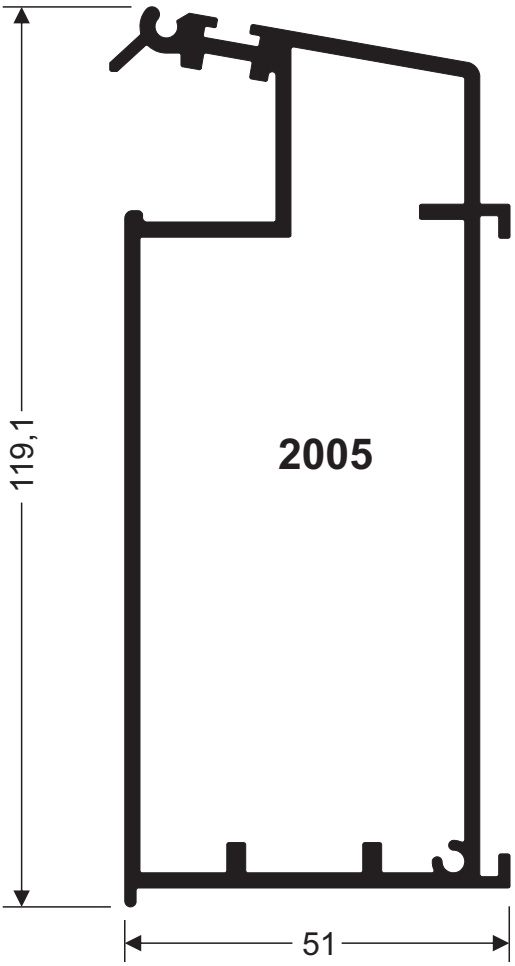
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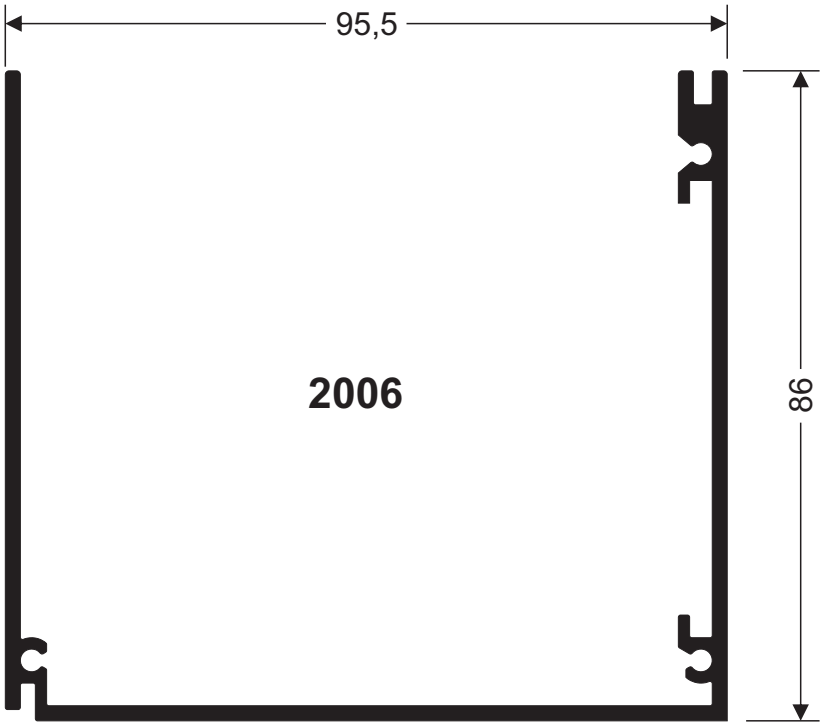
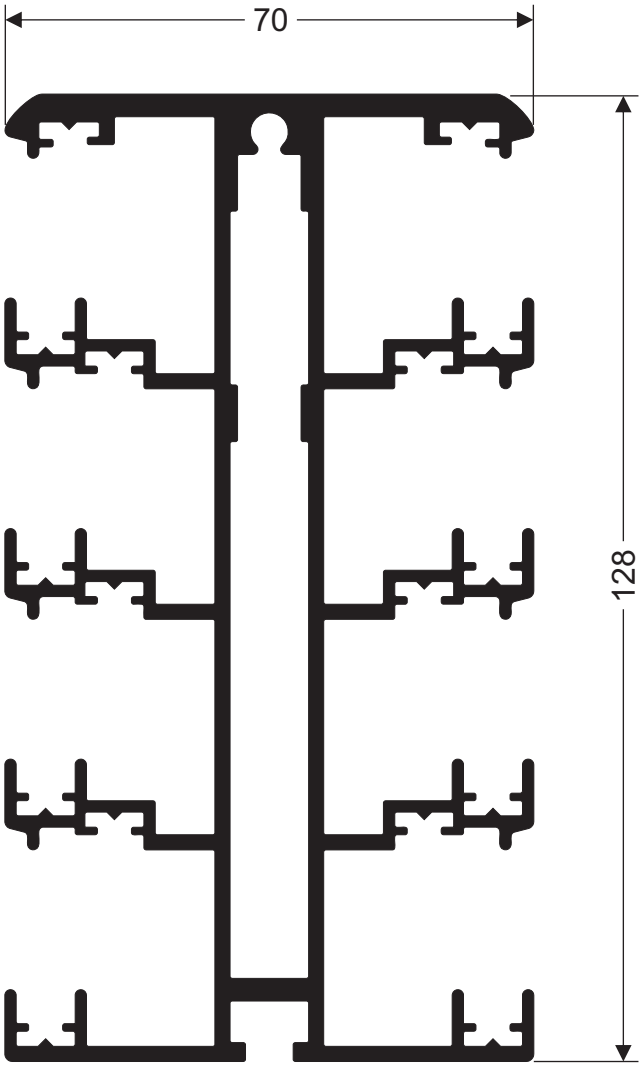
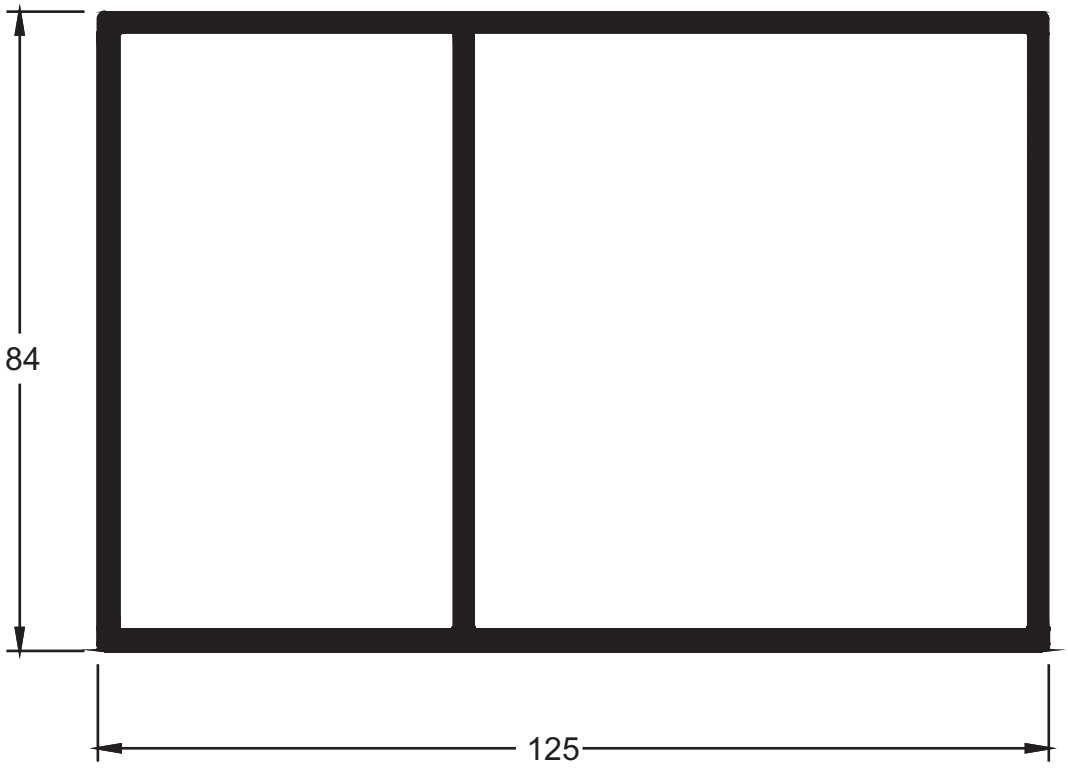
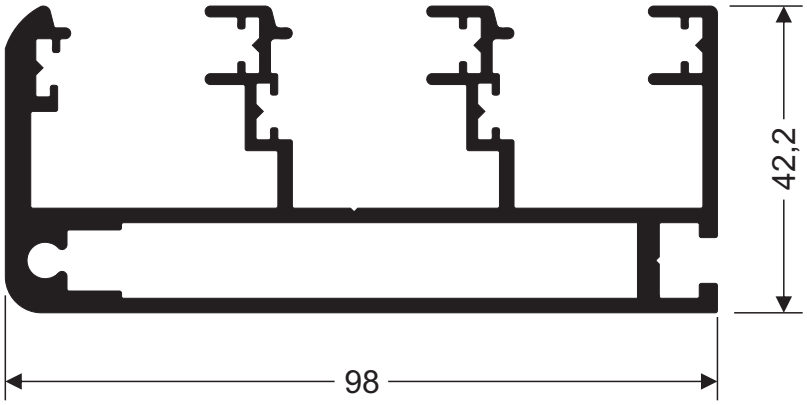






2014



2016

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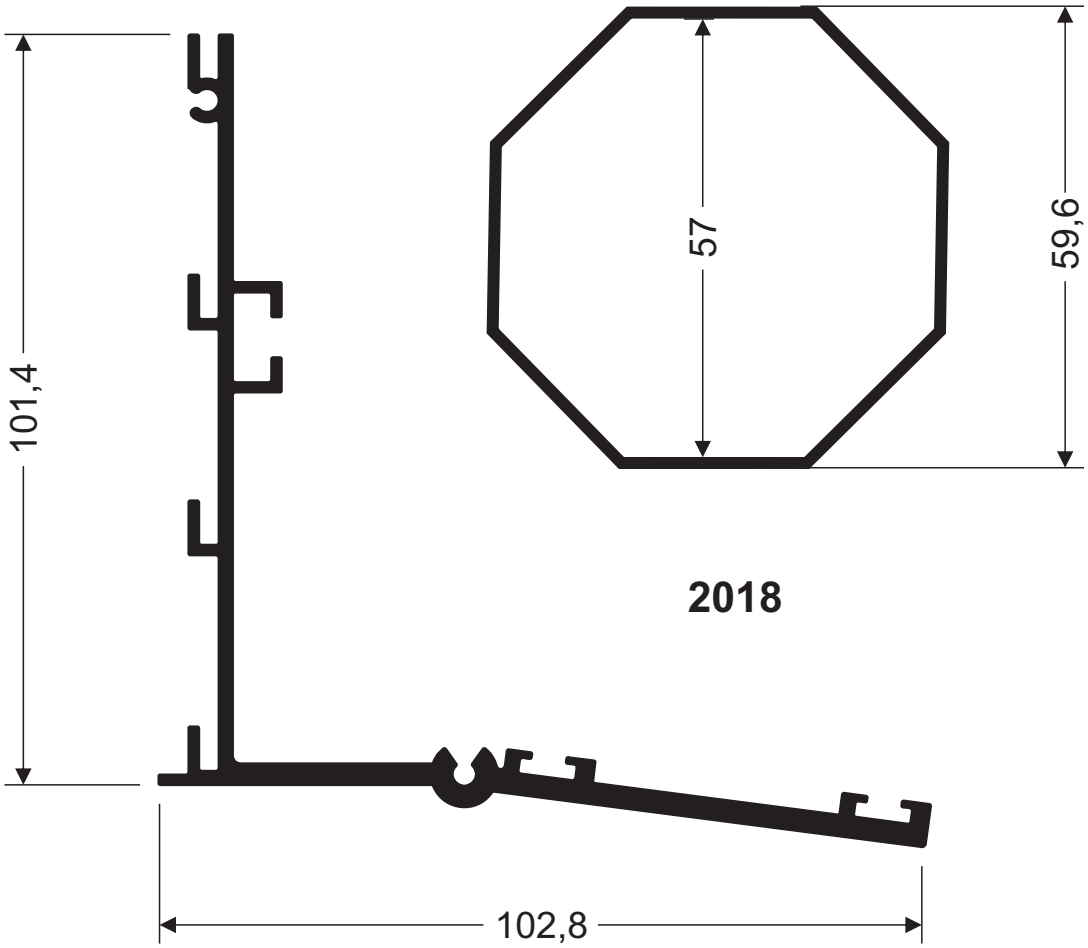
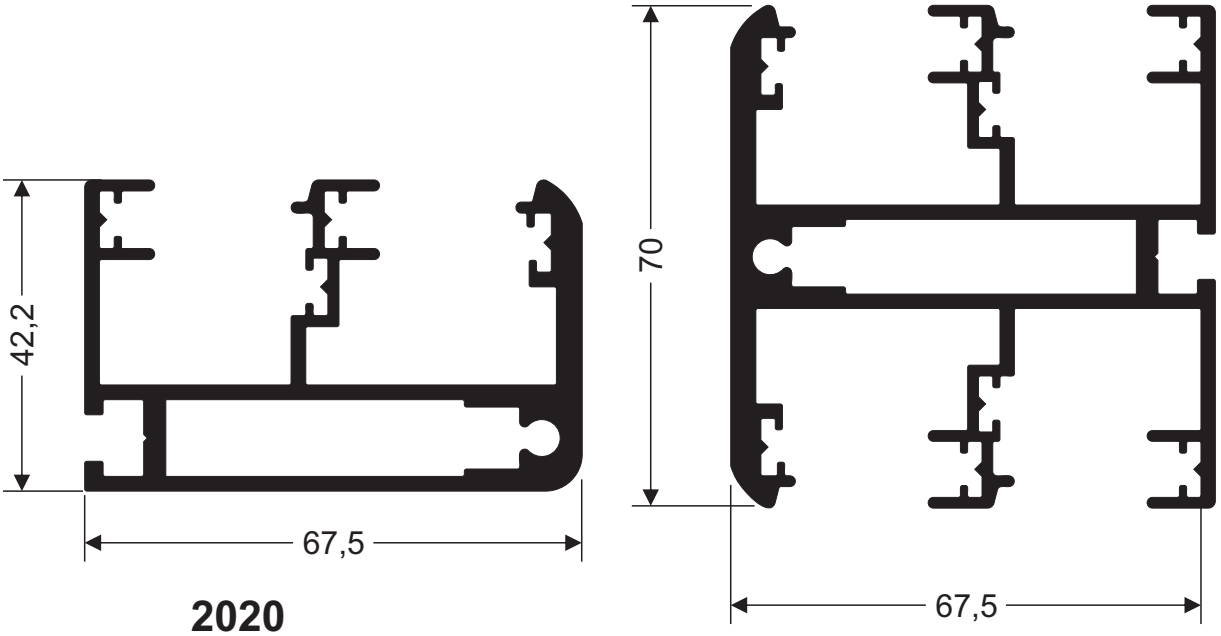


2018

2017



2020

2021

ACCESORIOS

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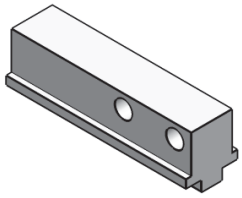
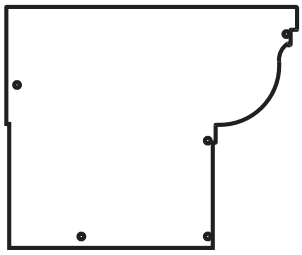
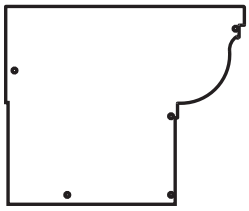
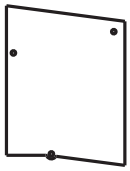
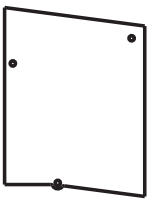
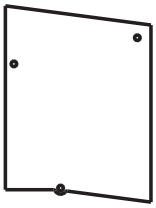
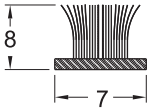
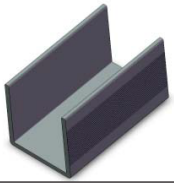
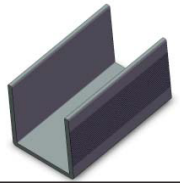
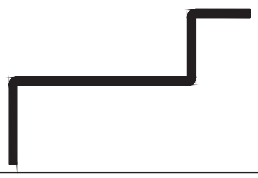
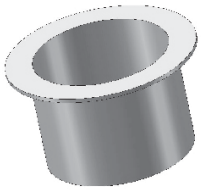
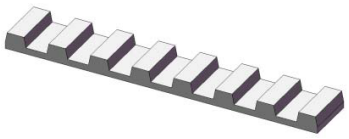
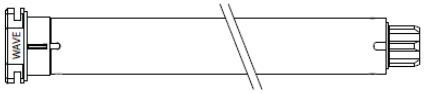
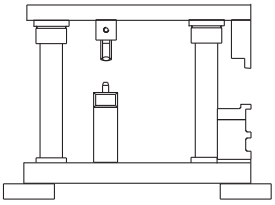
	Tm31	Kik Para 1 Hoja 4 Patines 8 Tornillos 4,2X22
	Tm28	Tapa Canalón. 5 Tornillos inoxidable para canalón con travesaño incorporado
	TM04	Tapa Canalón. 5 Tornillos inoxidable
	TM16	Tapa Canalón 2 carriles. 3 Tornillos inoxidable.
	TM05	Tapa Canalón 3 carriles. 3 Tornillos inoxidable.
	TM06	Tapa Canalón 4 carriles. 3 Tornillos inoxidable.

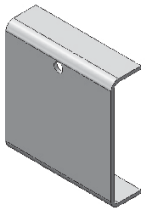
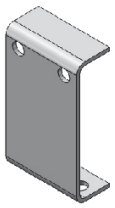
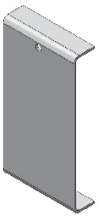
ACCESORIOS

	Ref.	DENOMINACIÓN
	TM08	Goma Cobija
	TM09	Felpudo de 8x7mm
	Tm50	Goma
	Tm40	Goma vidrio 10mm
	Tm41	Goma vidrio 8mm
	Tm42	Goma Vidrio 6mm
	TM24	Bandeja condesación
	TM07	Anclaje poste
	Tm29	Anclaje poste con canalon y soporte de una pieza .
	TM15	Sujeción hoja superior

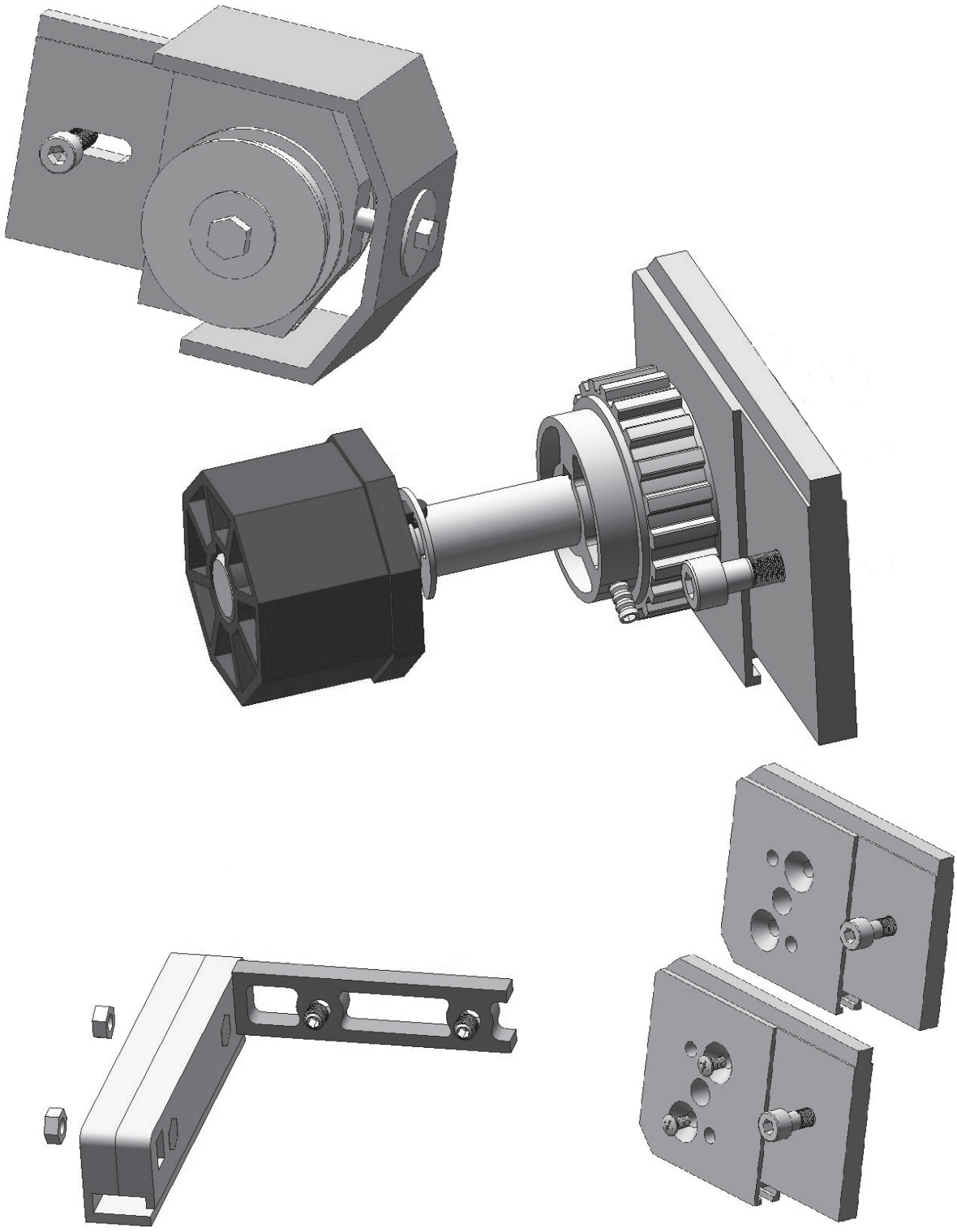
ACCESORIOS

	Ref.	DENOMINACIÓN
	TM11	Embudo
	TM12	Correa T10 12mm
	Tm13	Motor con acople octogonal y mando radio .
	Tm30	Util mecanizar hoja lateral
	Tm45	Calzos de 2X10mm
	Tm46	Calzos de 4X10mm
	Tm47	Calzos de 6X10mm
	Tm48	Sensor de Lluvia via cable .
	Tm49	Sensor de Lluvia via cable .

ACCESORIOS

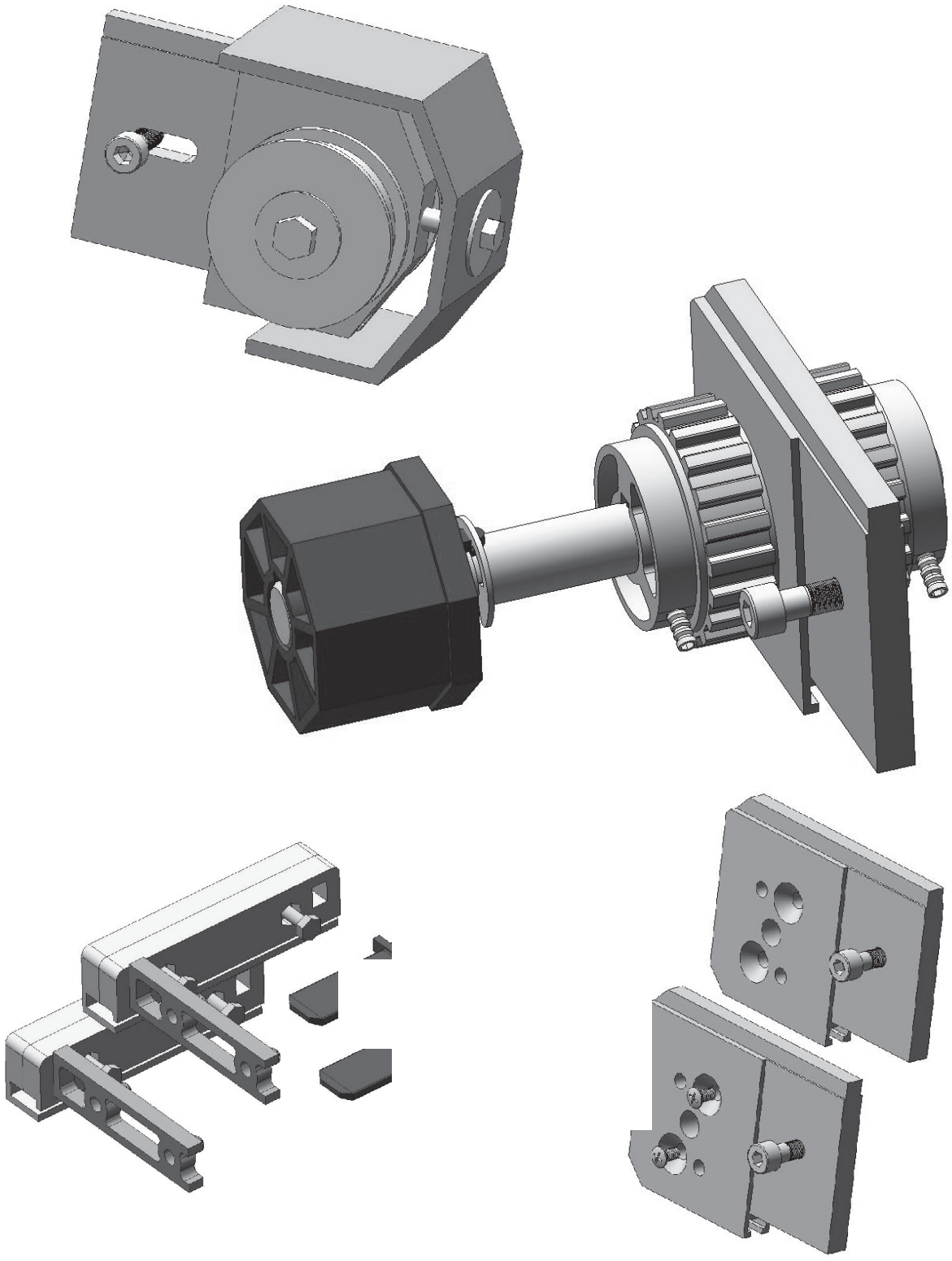
	Ref.	DENOMINACIÓN
	TM17	Tapa Central 2 carriles
	TM18	Tapa Lateral 2 carriles
	TM19	Tapa Central 3 carriles
	TM20	Tapa Lateral 3 carriles
	TM21	Tapa Central 4 carriles
	TM02	Tirador. 2 Tornillos inoxidable
	TM03	Pértiga

	KIT TECHO MÓVIL CRISTAL 1 CALLE Ref. TM29



MOD:U201330282

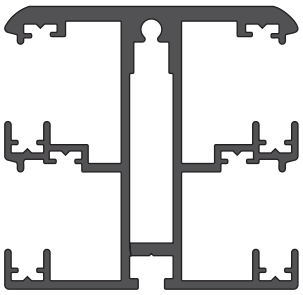
	KIT TECHO MÓVIL CRISTAL 2 CALLES Ref. TM43



MOD:U201330282

Apertura manual 50%
Caída máxima 2 metros

Para Cristal
6-10mm



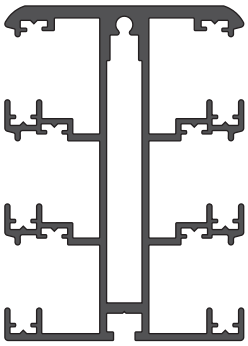
2 Carriles

Apertura manual 66%
Caída máxima 3 metros

Para cristal
6-10mm

Apertura motor 66%
Caída máxima 3 metros

Para cristal
6-10mm



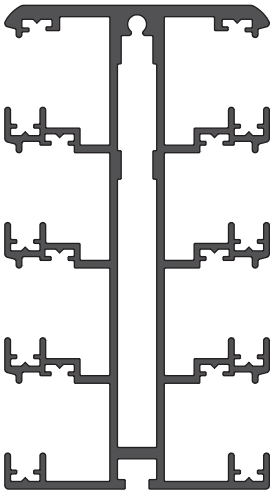
3 Carriles

Apertura manual 75%
Caída máxima 4 metros

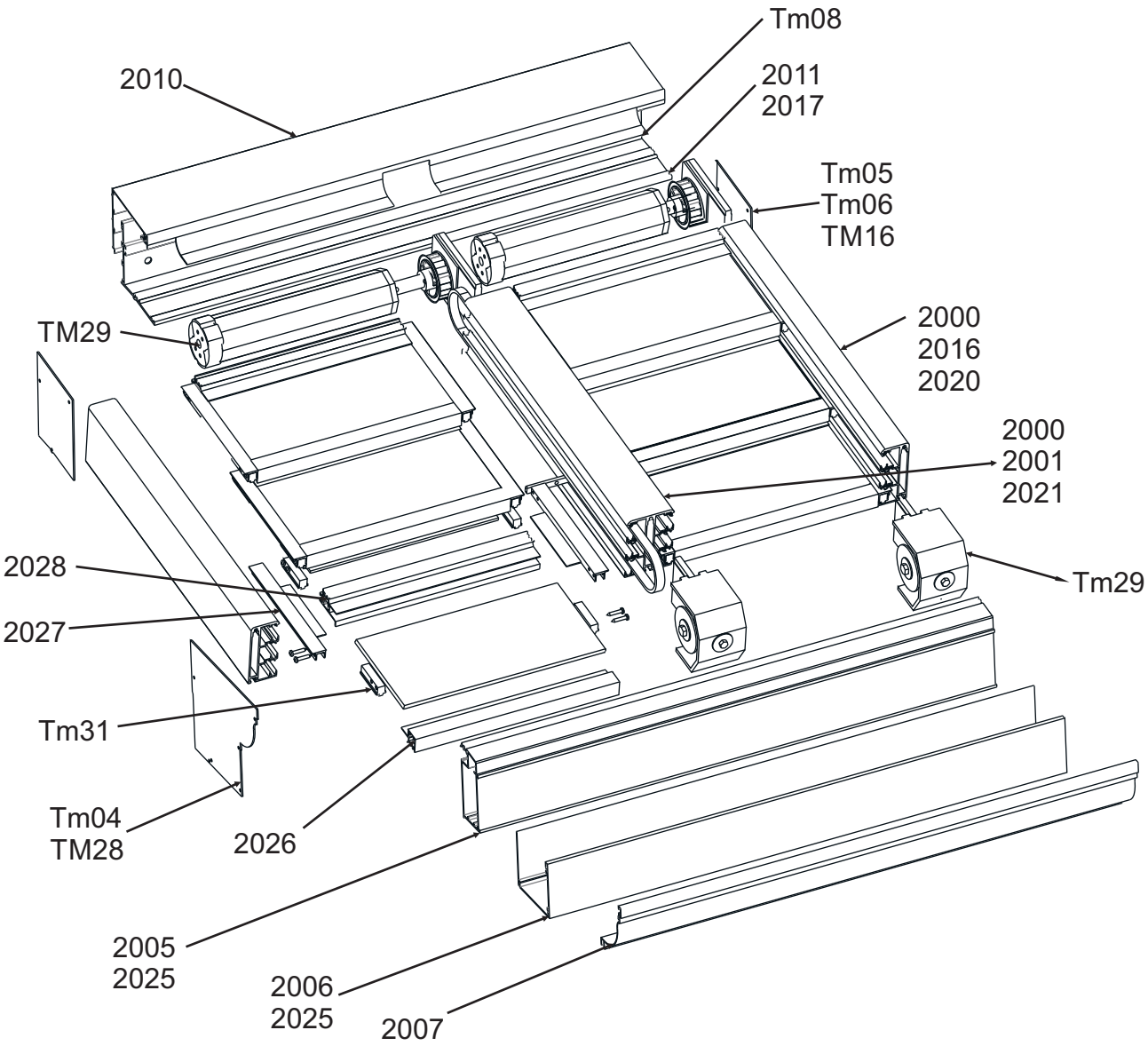
Para cristal
6-10mm

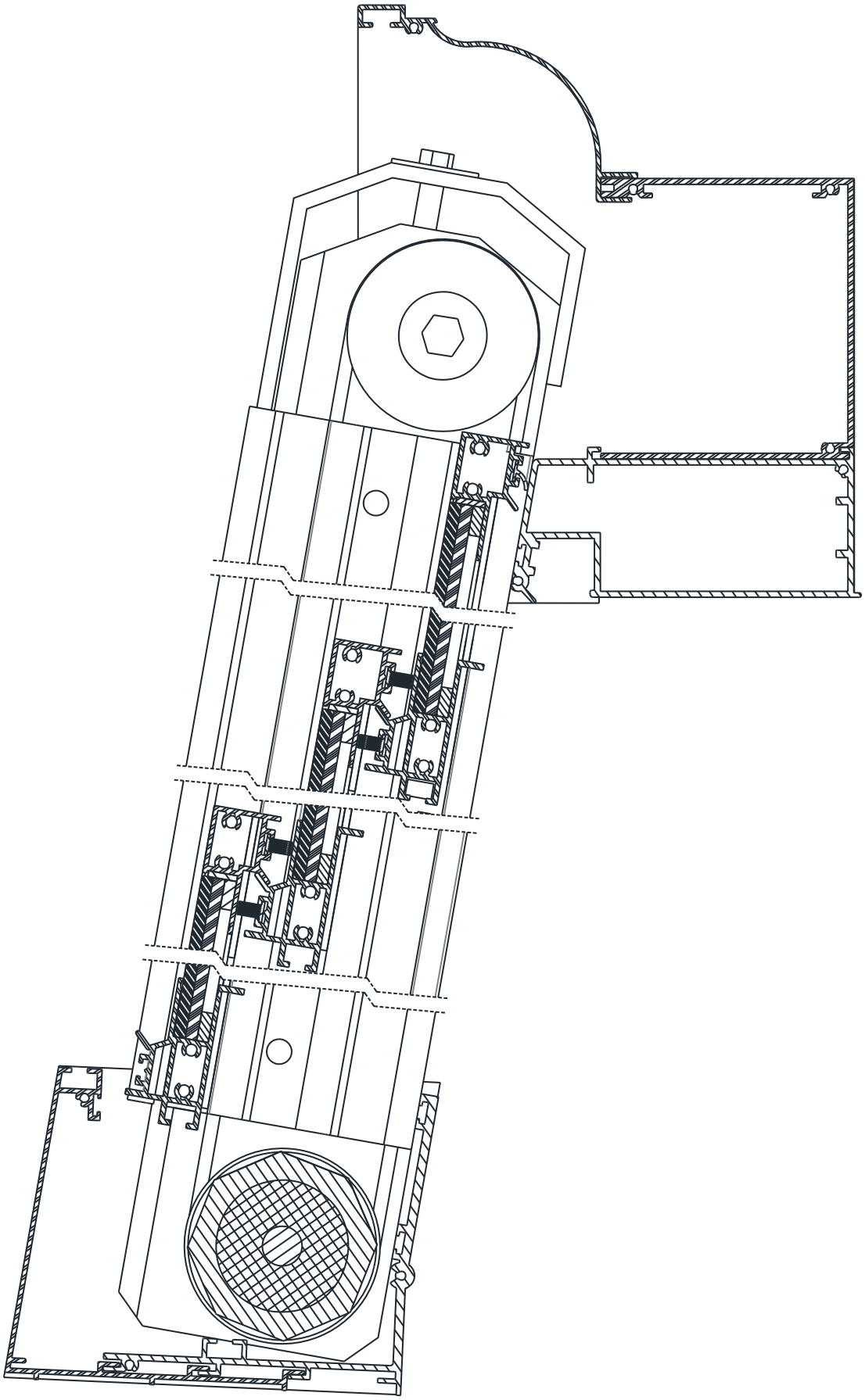
Apertura motorizada 75%
Caída máxima 4metros

Para placa
6-10mm

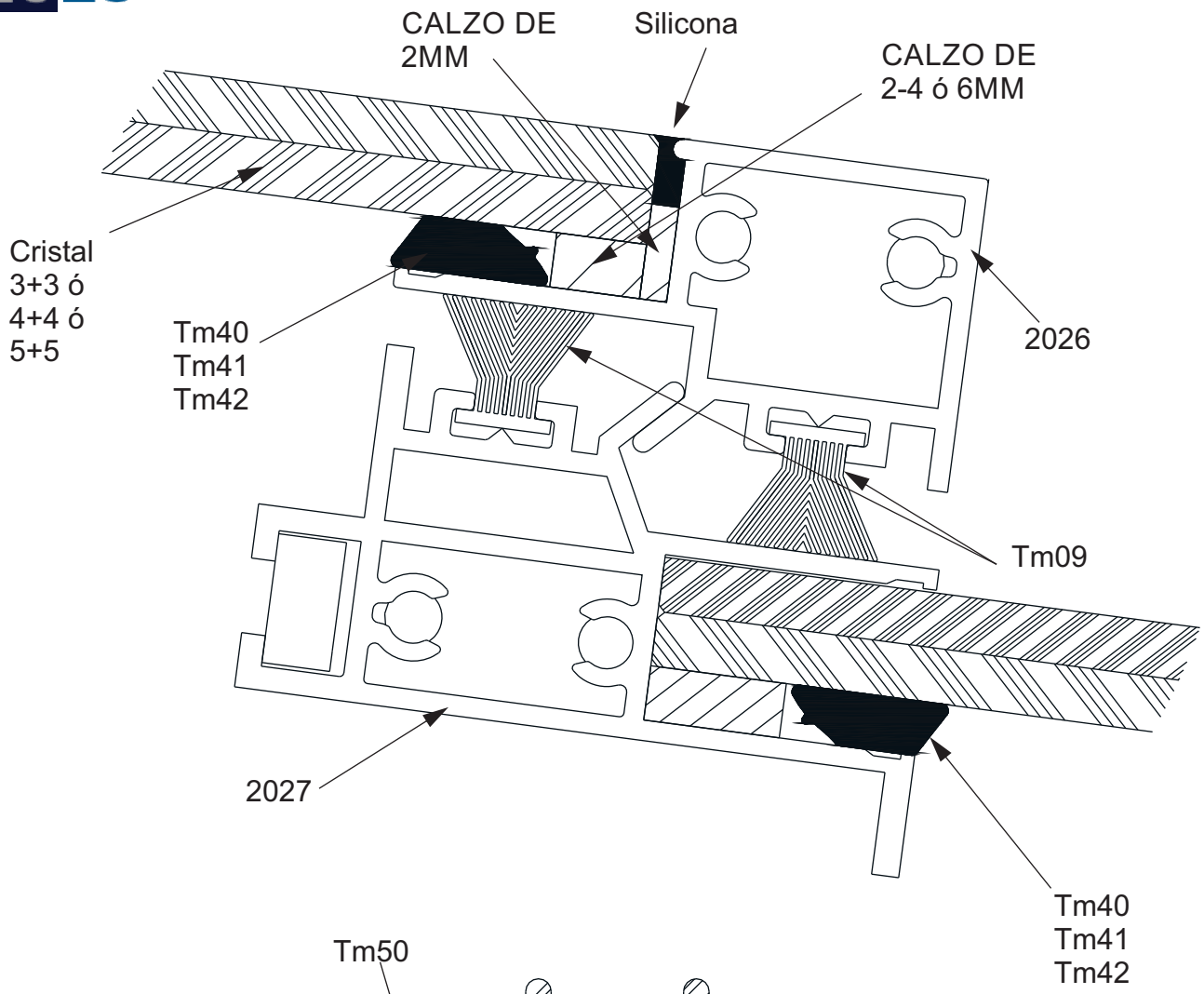


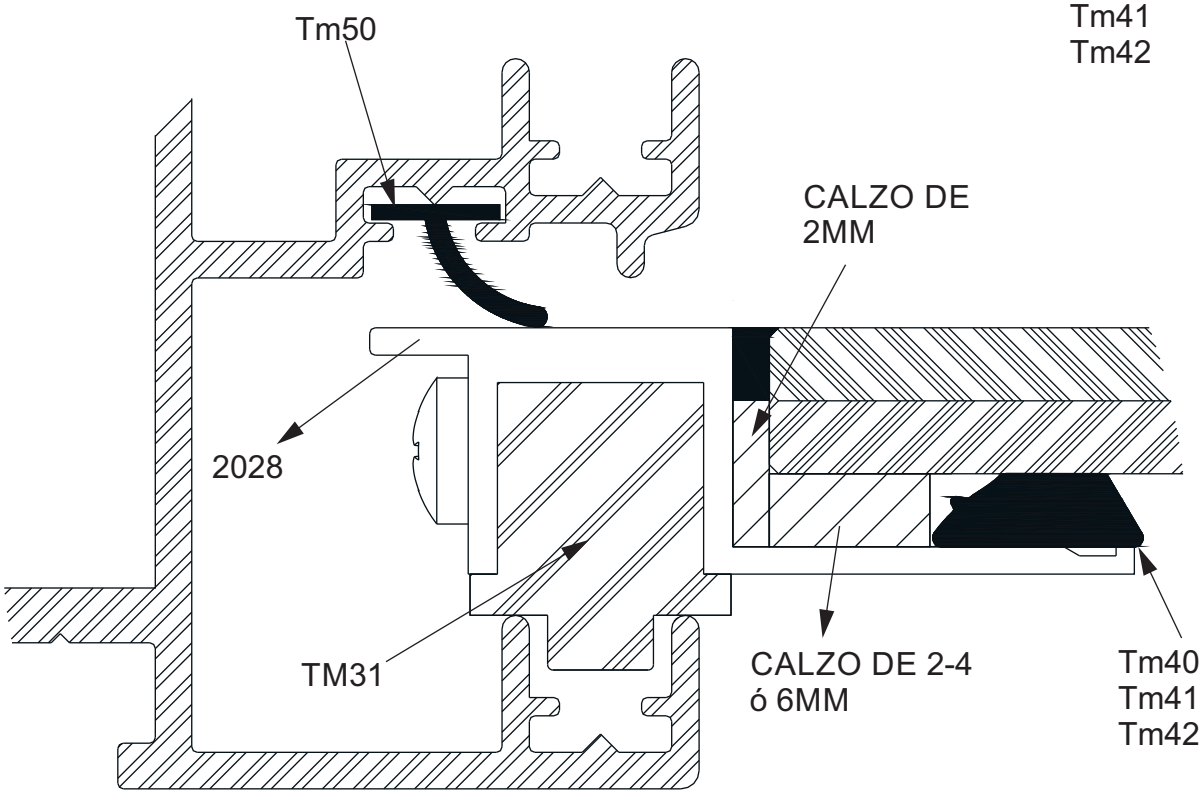
4 Carriles


Tm08
2010
2011
2017
Tm05
Tm06
TM16
TM29
2000
2016
2020
2000
2001
2021
2028
Tm29
2027
Tm31
Tm04
TM28
2026
2005
2025
2006
2025
2007

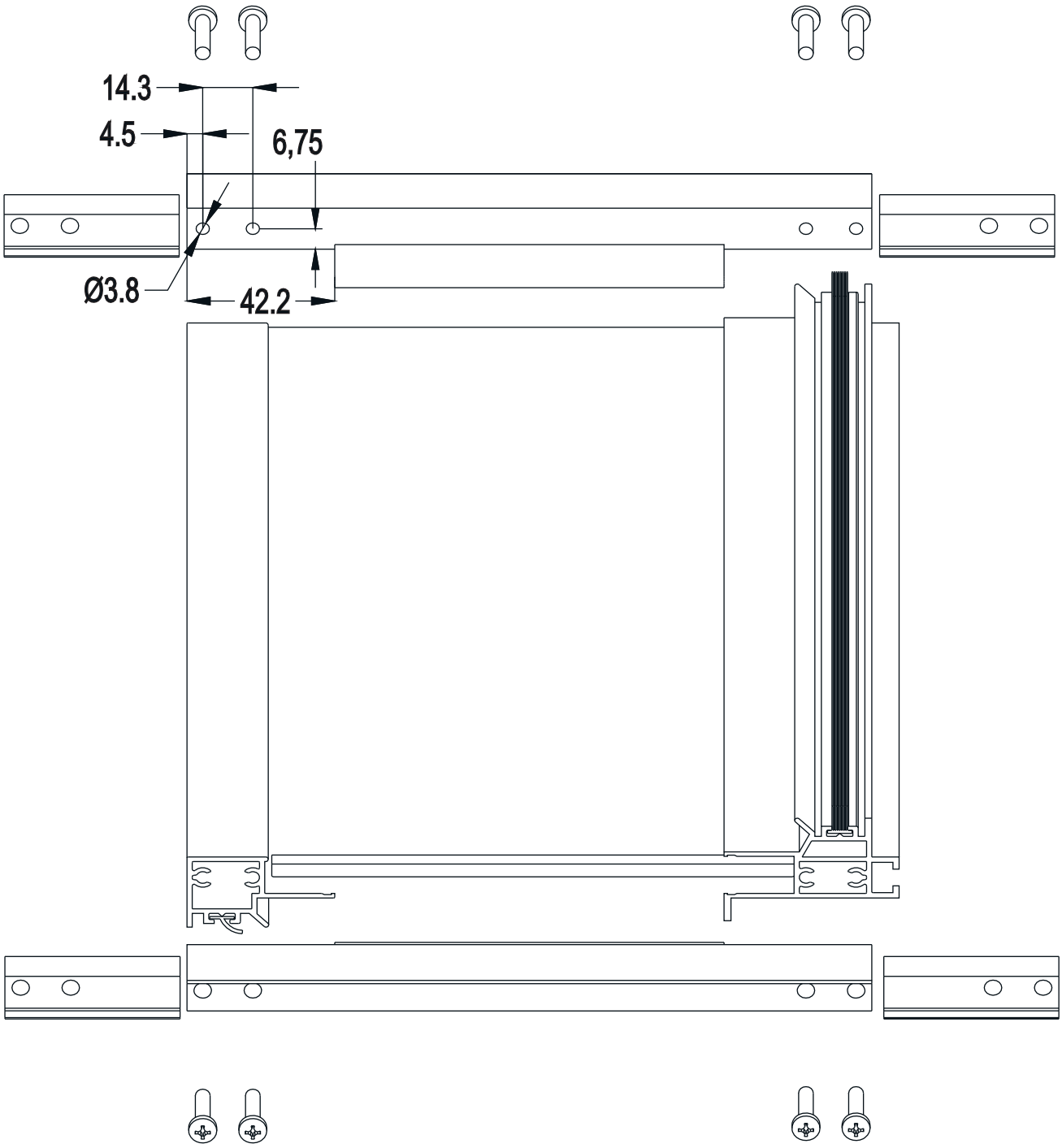


SECCIONES

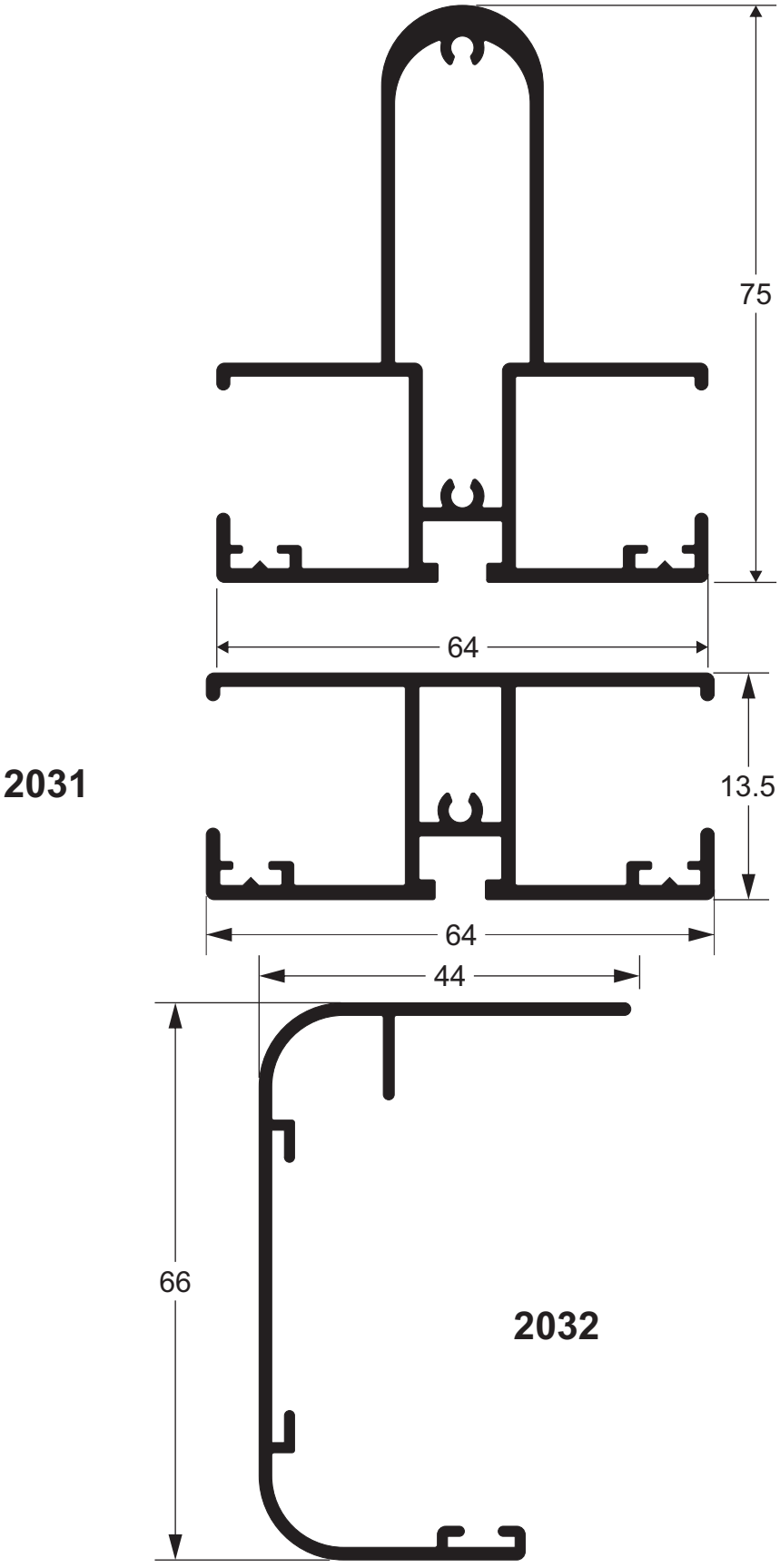

CALZO DE 2MM
Silicona
CALZO DE 2-4 ó 6MM
Cristal 3+3 ó 4+4 ó 5+5
Tm40 Tm41 Tm42
2026
Tm09
2027
Tm40 Tm41 Tm42


Tm50
CALZO DE 2MM
2028
TM31
CALZO DE 2-4 ó 6MM
Tm40 Tm41 Tm42

MECANIZADOS IGUALES EN AMBOS LADOS



PERFILES 1:1

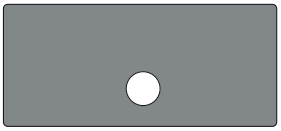
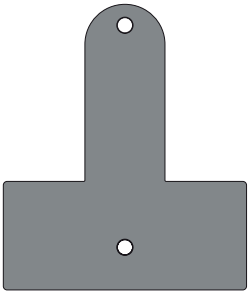


2030

2031

2032

ACCESORIOS

	Ref.	DENOMINACIÓN
	TM26	Tapa Para Perfil 2031
		Tapa Para Perfil 2030
	Tm50	Goma

DETALLES DE INSTALACIONES

TECHOS MÓVILES

Nuestro sistema de techos móviles ofrecen un amplio campo de utilizaciones tanto en su variante de desplazamiento manual, motorizado o fijo.

Los techos moviles en terrazas, balcones, porches, áticos, piscinas y demás exteriores le permitirán ganar sensación de espacio y luminosidad, con el confort, aislamiento y estan-queidad que los techos móviles proporcionan.

SISTEMAS PARA LA ARQUITECTURA MODERNA

ALUES

SISTEMAS PARA LA
ARQUITECTURA MODERNA

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