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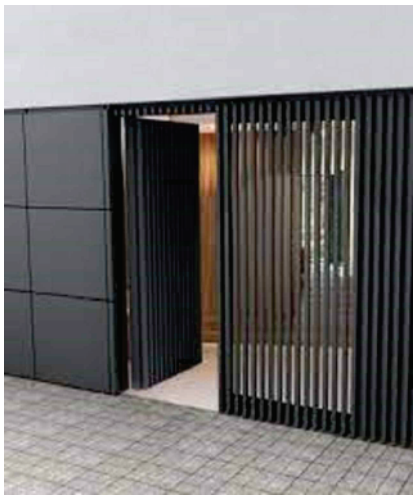


SÉRIE LÂMINAS SOLARES









Soluções Construtivas:

- Fixas
- Móveis

Vedantes:

- Material em EPDM ou PVC em conformidade com anorma aplicável.

Acessórios:

- Materiais em alumínio, zamac, aço inox e nylon em conformidade com a norma aplicável.

SISTEMA LS

SISTEMA LÂMINAS QUEBRA-SOL/REVESTIMENTO

Sistema lâminas quebra-sol com várias dimensões e formas, possibilitando ao edifício vantagens tanto no conforto térmico como ao nível da luminosidade. Tem a possibilidade de ser fixa ou móvel (através sistema manual ou motorizada).

Sistema de lâminas de revestimento foi concebida para revestimento de edifícios e controlo de ventilação. Tem aplicação facilitada através de fixação por clipagem em perfis de suporte.

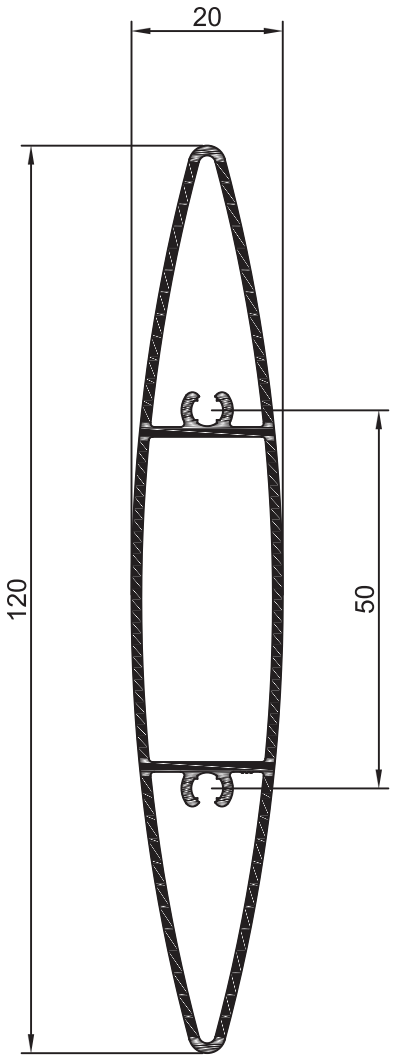
Sistema de palas sombreamento permitem o controlo da luz solar protegendo o edifício dos efeitos do calor da luz directa.

Sistema decorativo para fachadas foi concebido para revestimento de fachadas, tornando os edifícios mais atractivos dando resposta às novas tendências arquitectónicas.

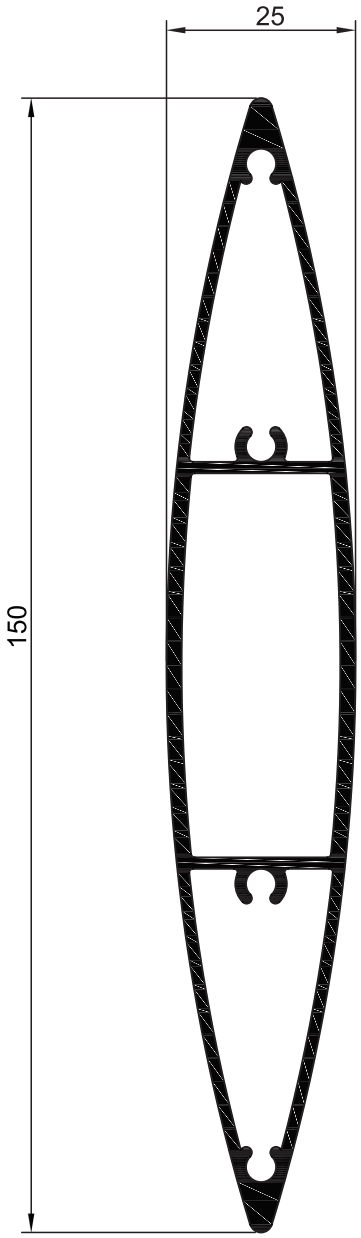
CLASSE+
A EFICIÊNCIA TEM CLASSE

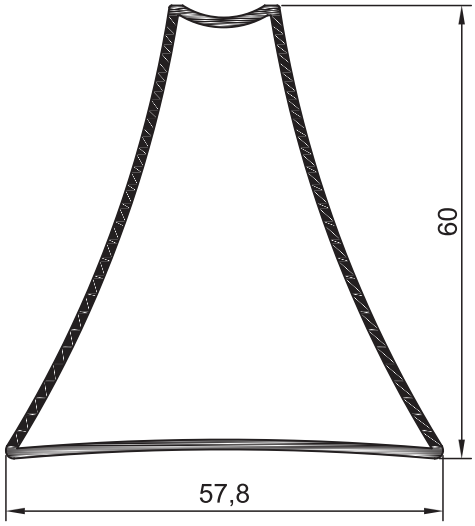
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LS.01 *Lâmina Solar 120mm*



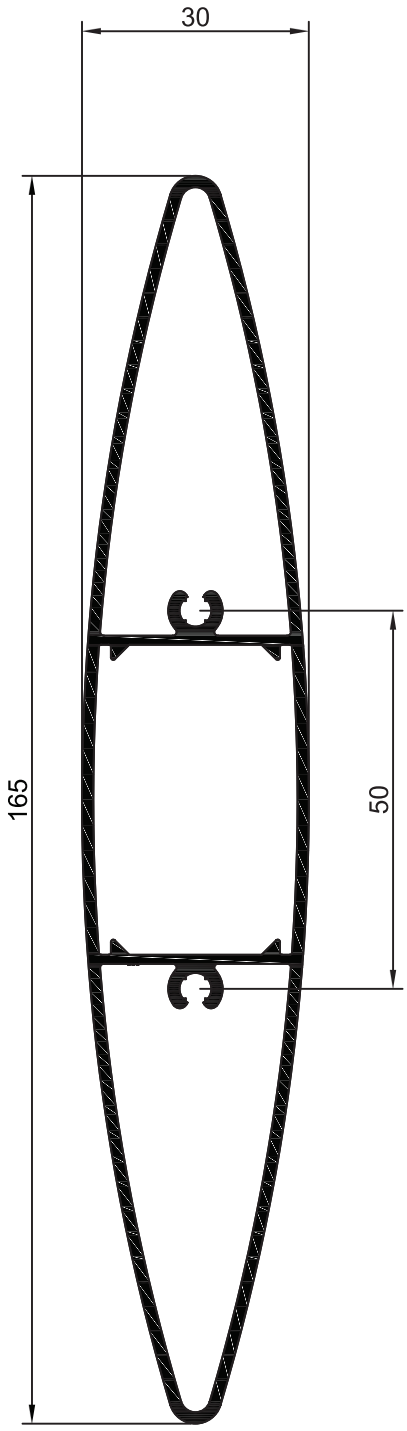
LS.09 *Lâmina Solar 150mm*



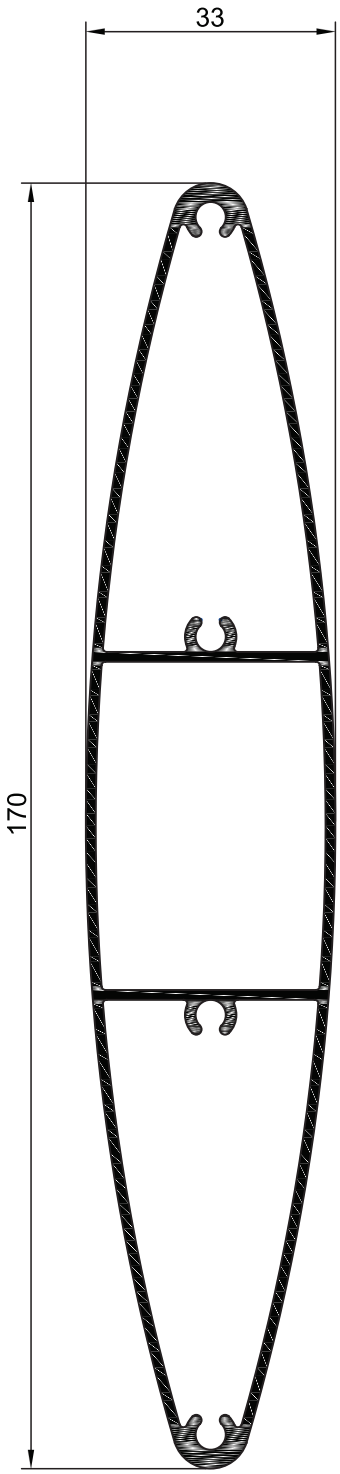


ST.78 *Lâmina Triângular*

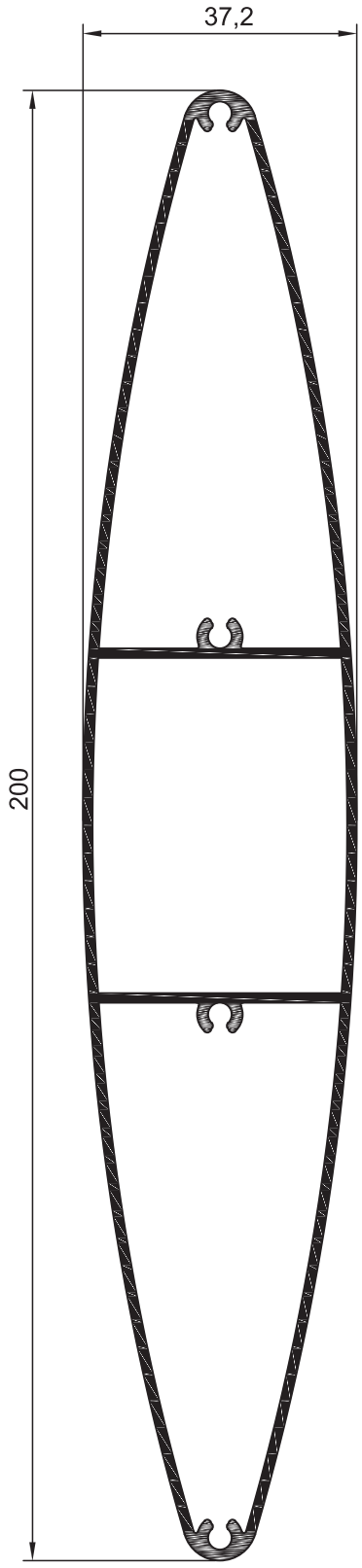
LS.06 *Lâmina Solar 165mm*



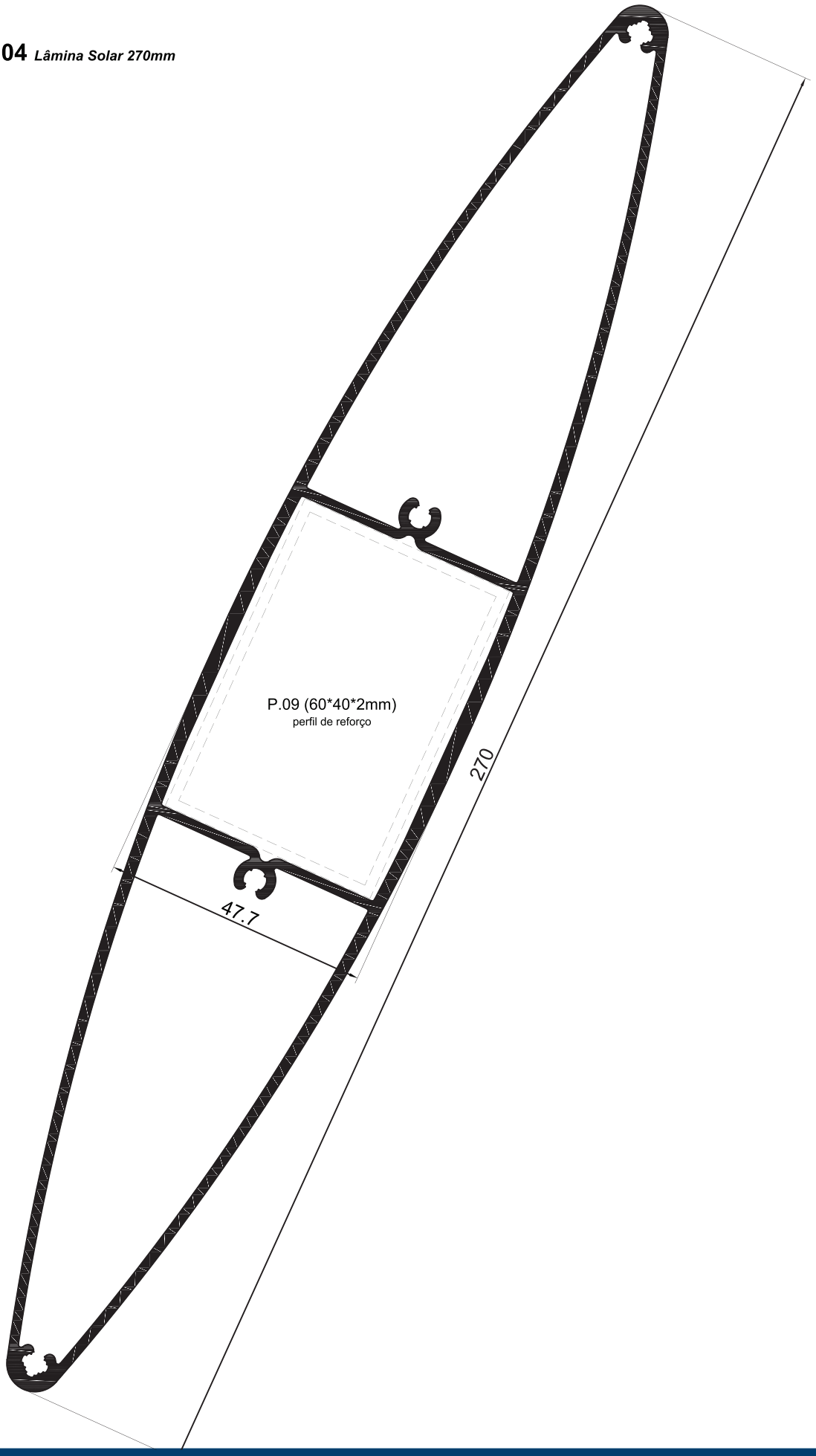
LS.02 *Lâmina Solar 170mm*



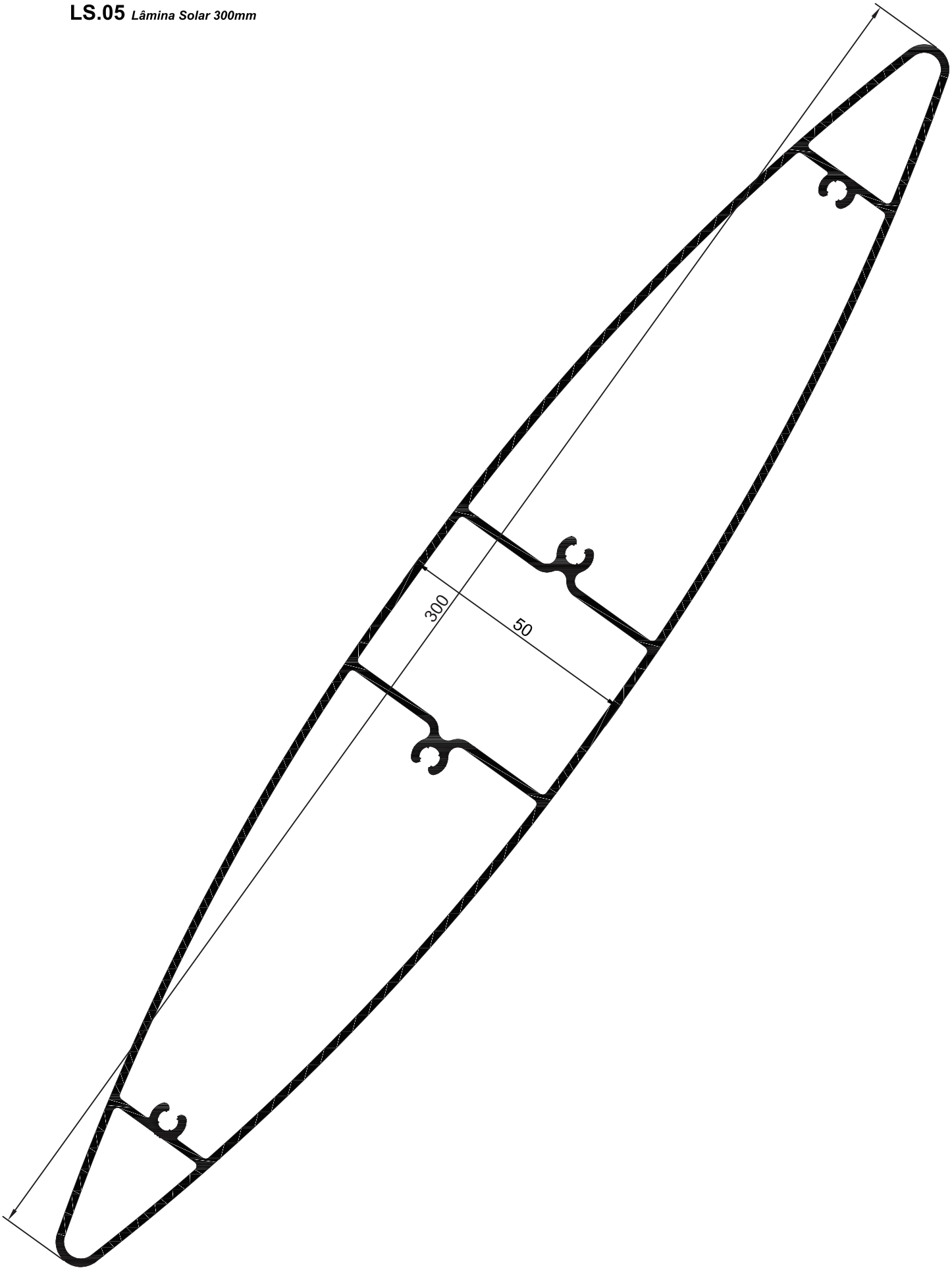
LS.03 *Lâmina Solar 200mm*



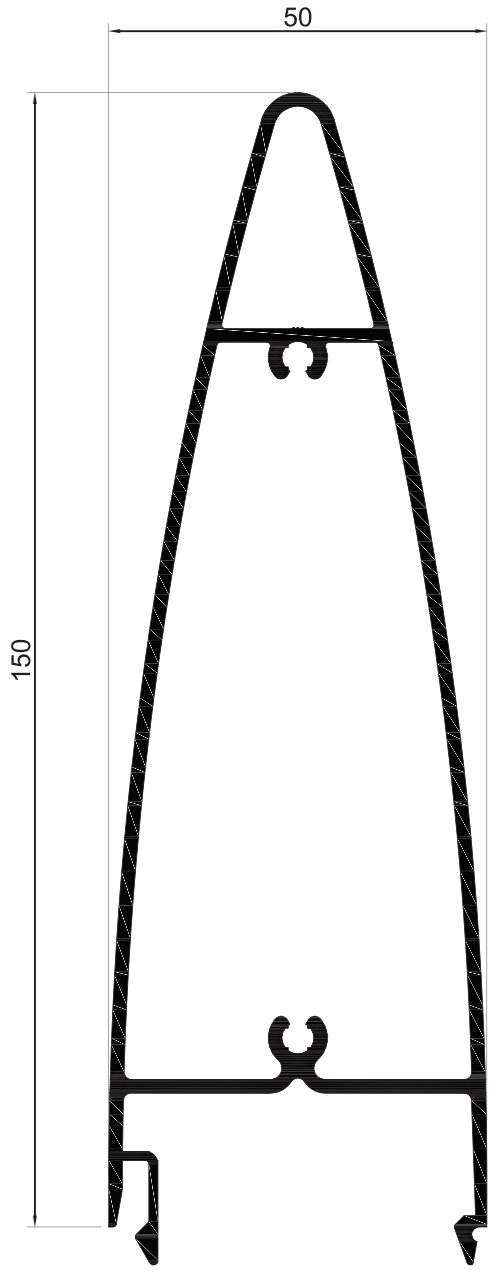
LS.04 ***Lâmina Solar 270mm***

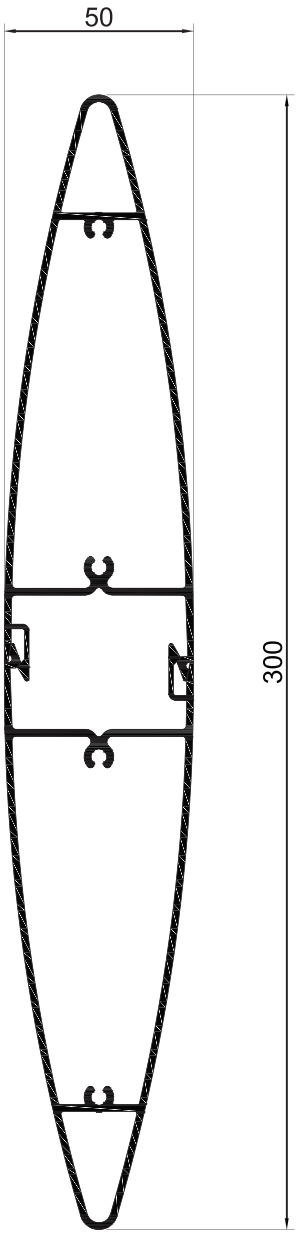


LS.05 *Lâmina Solar 300mm*



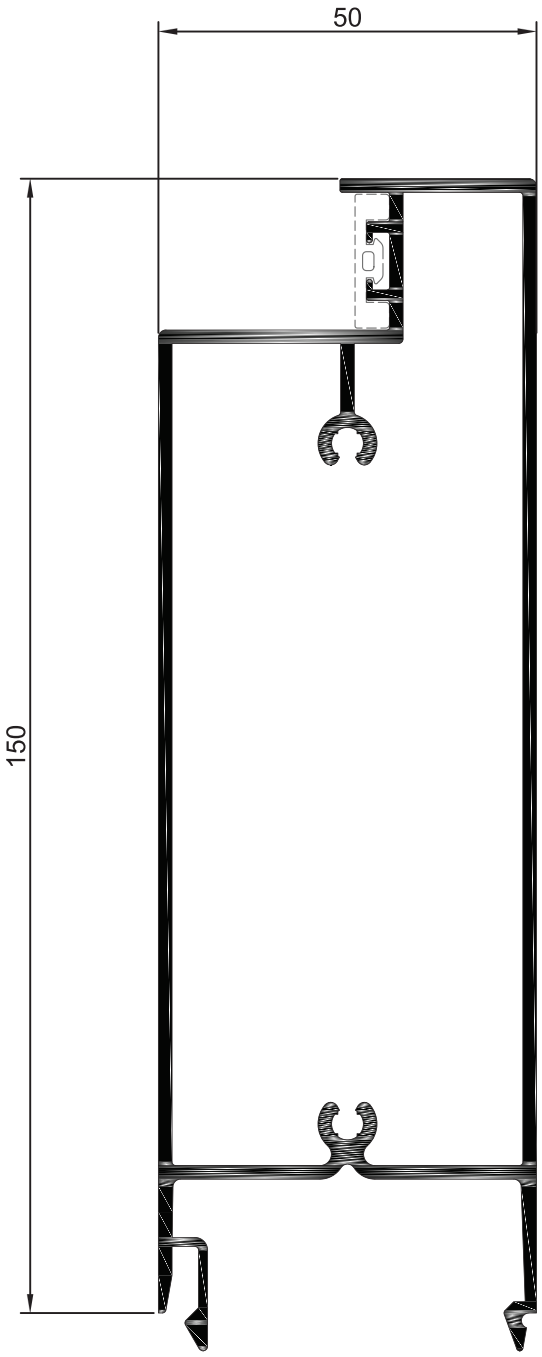
LS.42 *Lâmina Solar 300mm*



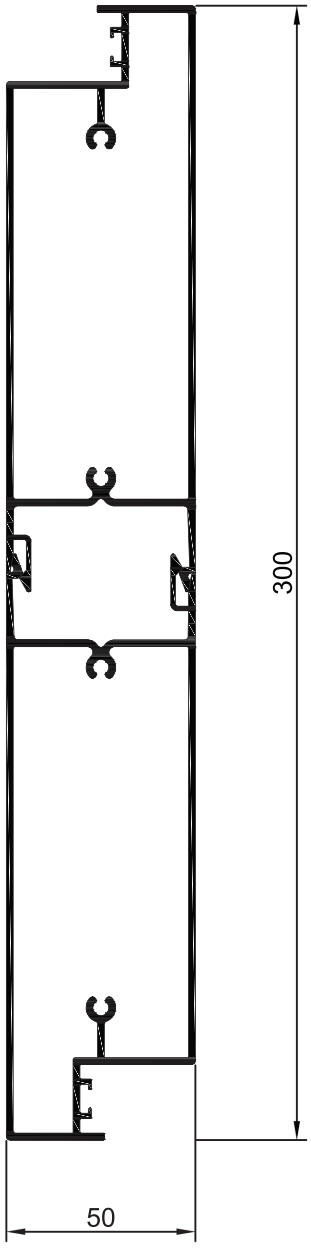


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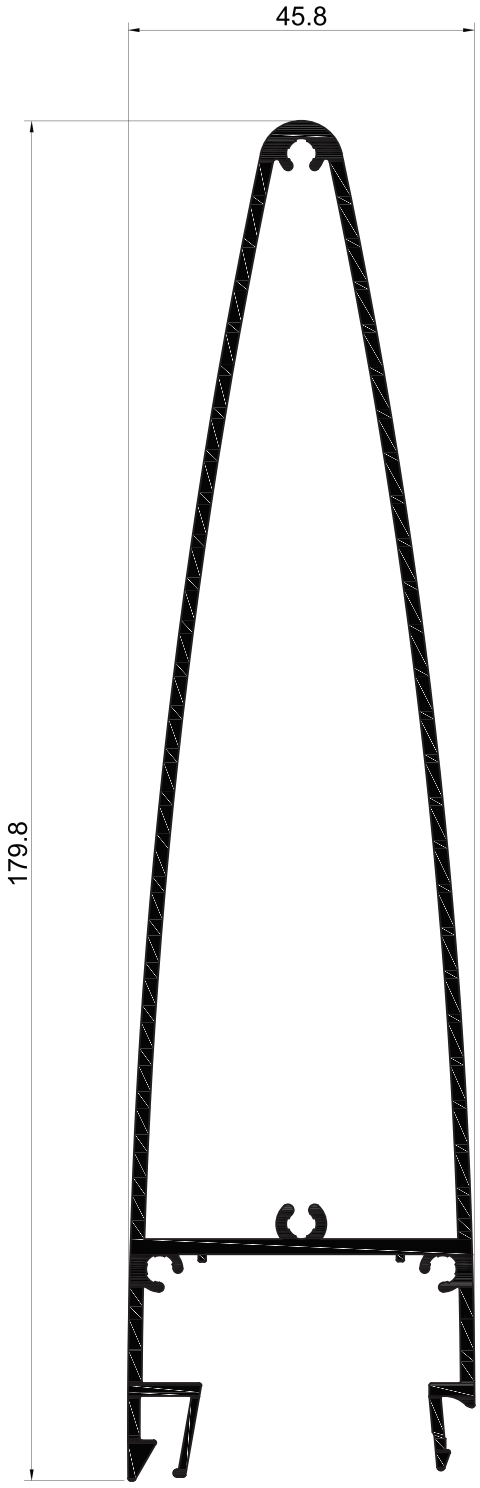
LS.37 *Lâmina Solar 300mm*

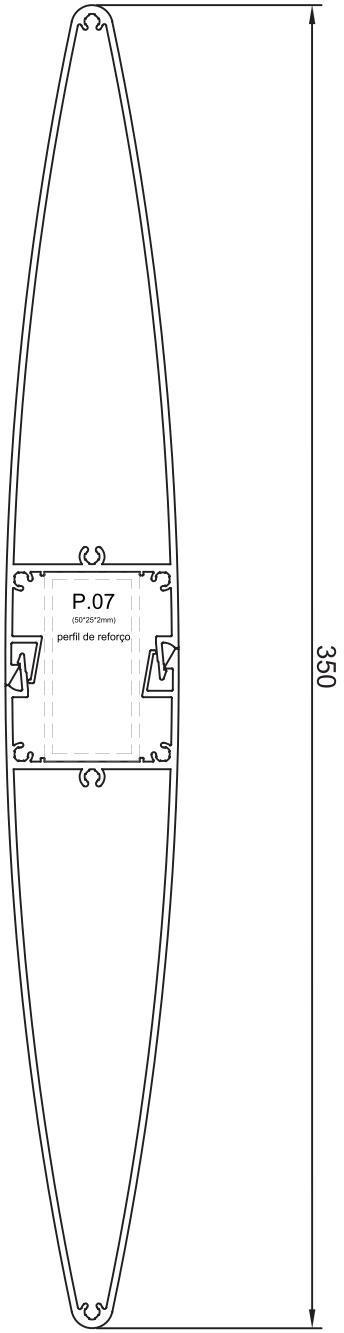


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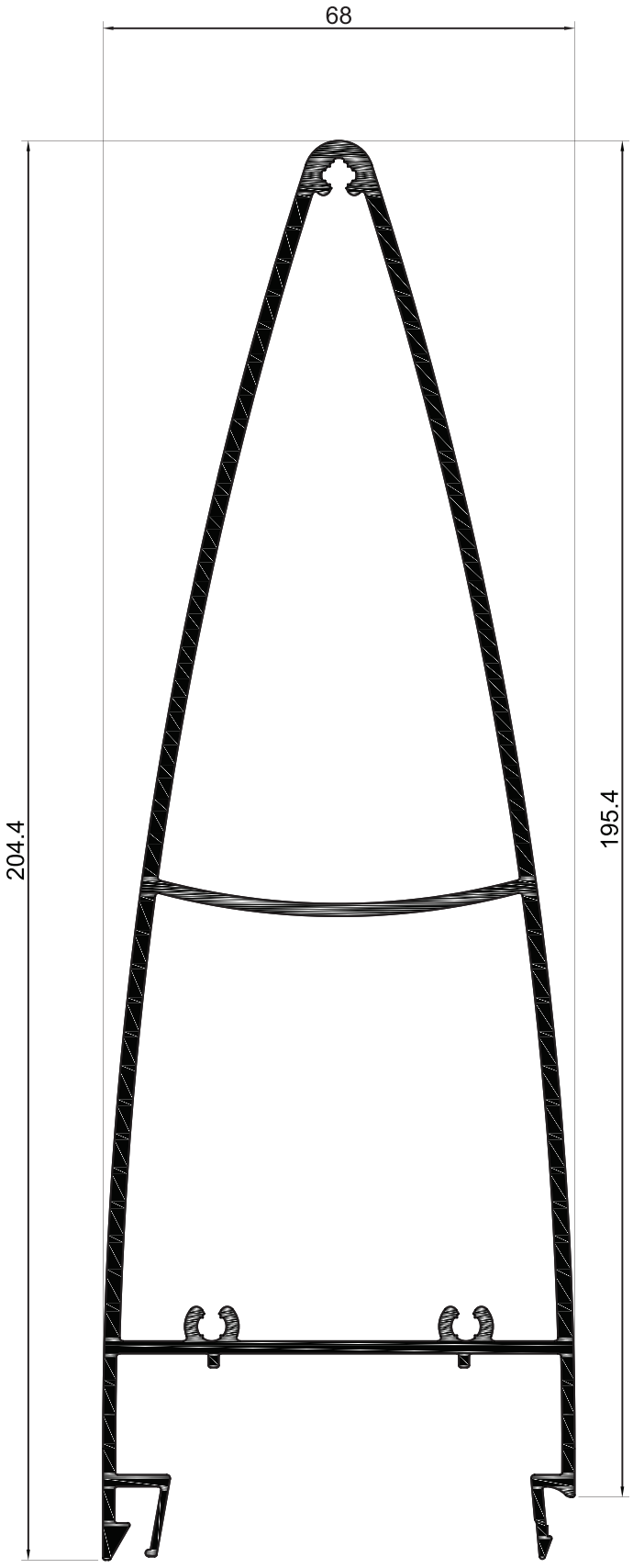


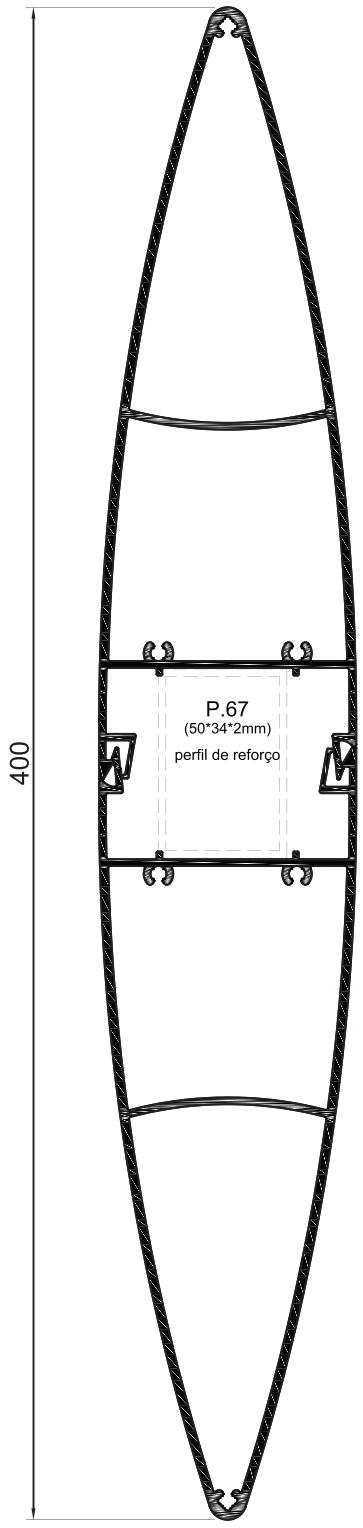
LS.07 *Lâmina Solar 350mm*





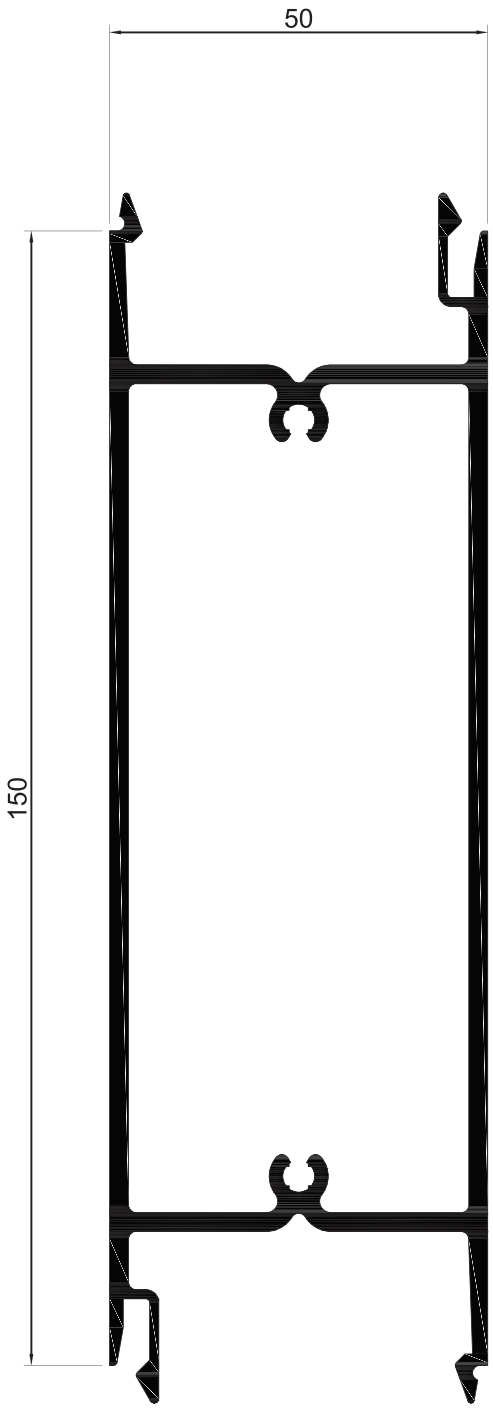
LS.08 *Lâmina Solar 400mm*

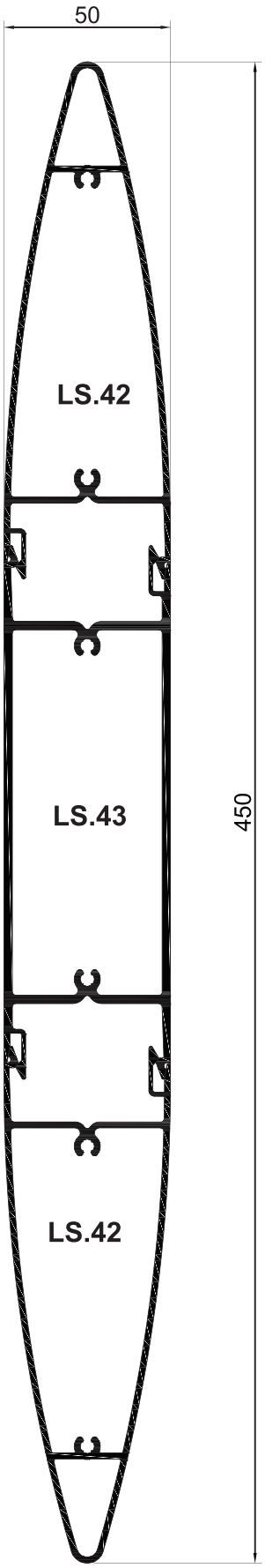




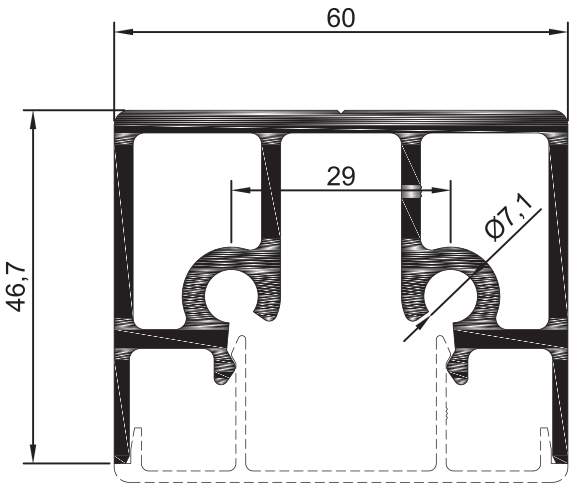
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LS.43 *Lâmina Solar 450mm*

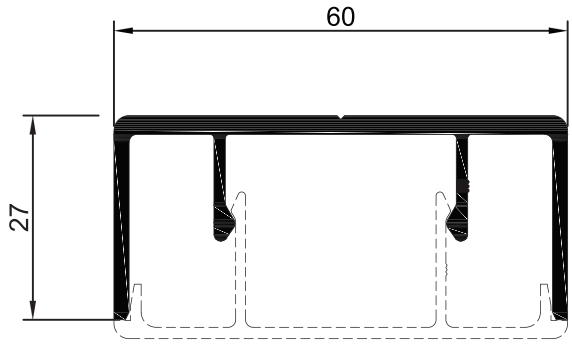




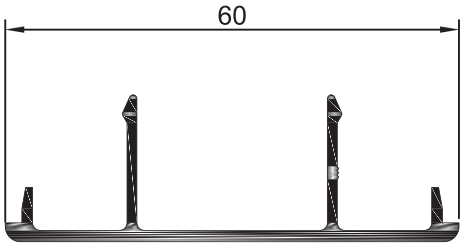
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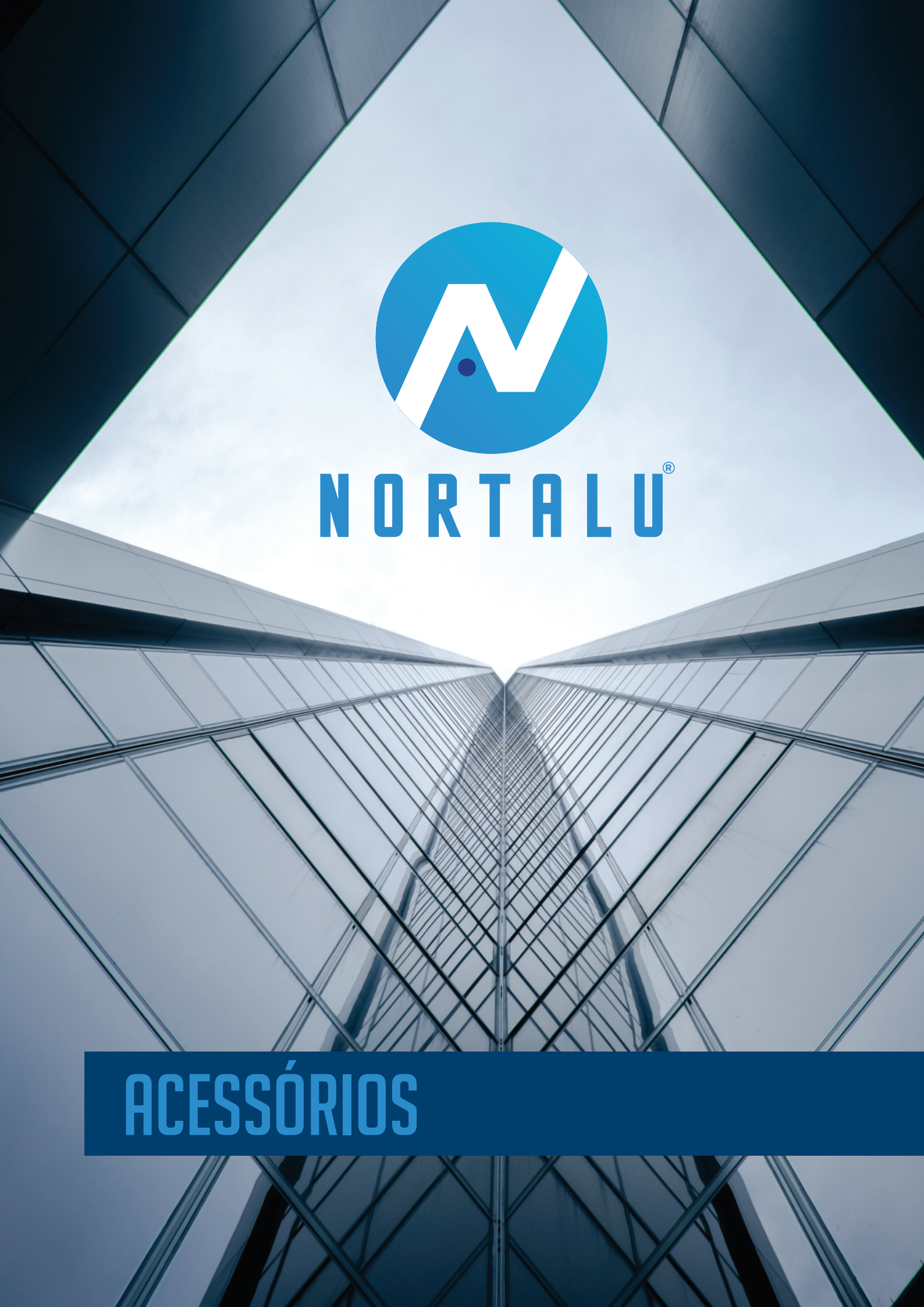
PT.208 *Perfil Decorativo*



PT.209 *Perfil Decorativo*



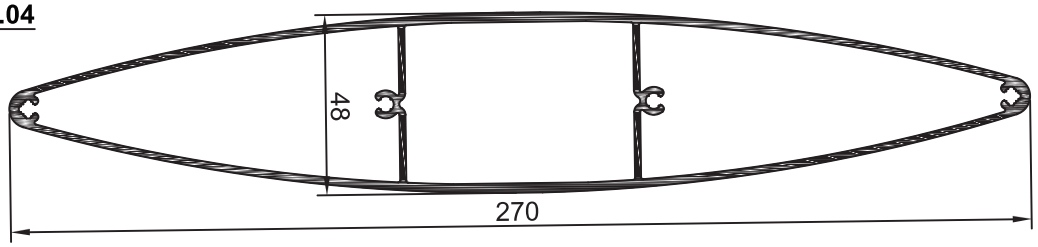
PT.210 *Perfil Decorativo Capa*



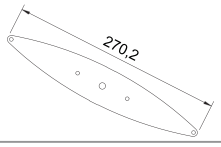
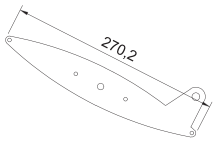
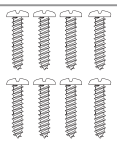
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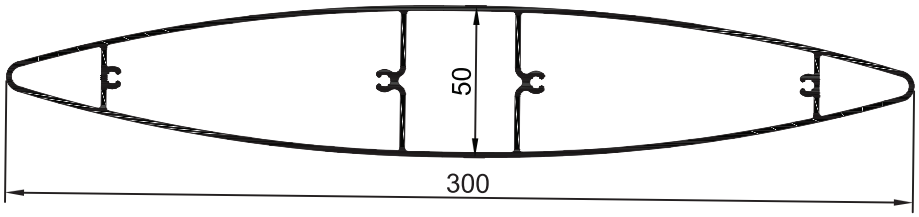
ACESSÓRIOS PARA LS.04



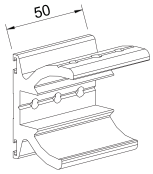
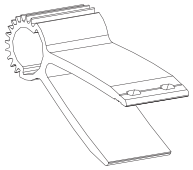
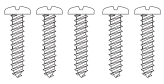
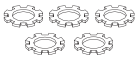
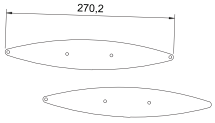
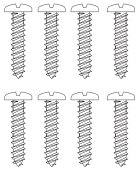
LÂMINAS MÓVEIS

Referência	Desenho	Designação	Observações
210058		Topo P/ Lâmina LS.04 Móvel	1 Und.
210059		Topo P/ Lâmina LS.04 Móvel C/ Aba	1 Und.
220003		Eixo LS INOX Nº2	1 Und.
220004		Eixo LS INOX Nº1	1 Und.
215001		Peça de Ligação LS	1 Und.
212003		Conjunto LS Nº1	1 Und.
290020		Parafuso PAR 006 PK $^{7}/_{8}$*10 CQ	8 Und.
270020		Porca Sextavada M8 INOX	3 Und.
217115		Anilha Recartilhada M8 INOX	2 Und.
217002		Anilha M8 INOX	4 Und.

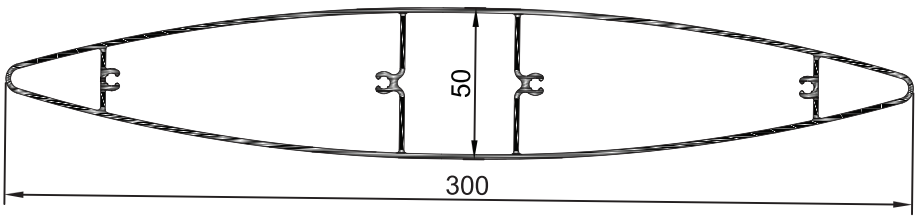
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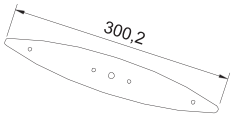
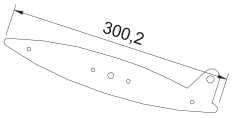
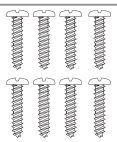
LÂMINAS FIXAS

Referência	Desenho	Designação	Observações
215002		Suporte Fixo Nº1	1 Und.
215006		Suporte Fixo Nº5	1 Und.
290020		Paraf. PAR 006PK $^{7}/_{8}$*10 CQ	5 Und.
217001		Anilha Recart. M5 INOX	5 Und.
290481		Umbrako M5*8 Din 914 INOX	2 Und.
210056		Topo P/ Lâmina Fixa LS.04	2 Und.
290020		Paraf. PAR 006 PK $^{7}/_{8}$*10 CQ	8 Und.

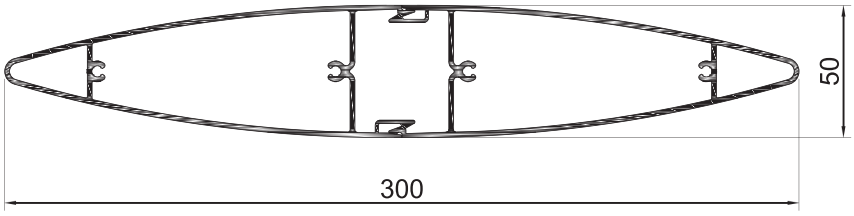
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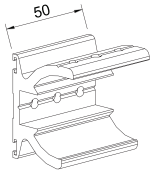
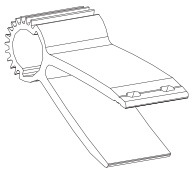
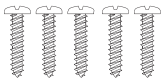
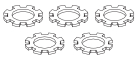
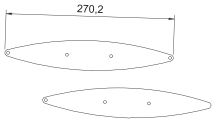
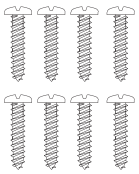
LÂMINAS MÓVEIS

Referência	Desenho	Designação	Observações
210050		Topo P/ Lâmina LS.05 Móvel	1 Und.
210070		Topo P/ Lâmina LS.05 Móvel C/ Aba	1 Und.
220003		Eixo LS INOX Nº2	1 Und.
220004		Eixo LS INOX Nº1	1 Und.
215001		Peça de Ligação LS	1 Und.
212003		Conjunto LS Nº1	1 Und.
290020		Parafuso PAR 006 PK $^{7}/_{8}$*10 CQ	8 Und.
270020		Porca Sextavada M8 INOX	3 Und.
217115		Anilha Recartilhada M8 INOX	2 Und.
217002		Anilha M8 INOX	4 Und.

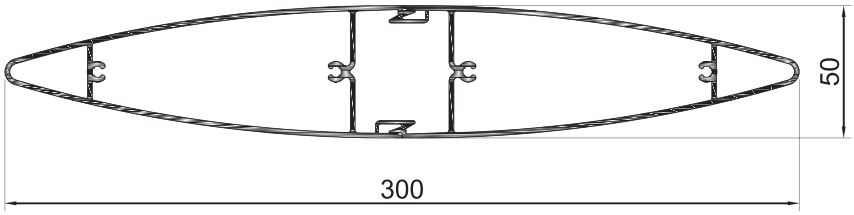
ACESSÓRIOS PARA LS.42



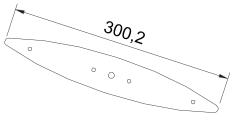
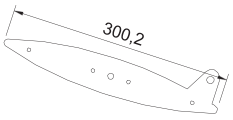
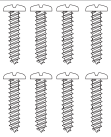
LÂMINAS FIXAS

Referência	Desenho	Designação	Observações
215002		Suporte Fixo Nº1	1 Und.
215006		Suporte Fixo Nº5	1 Und.
290020		Paraf. PAR 006PK $^{7}/_{8}$*10 CQ	5 Und.
217001		Anilha Recart. M5 INOX	5 Und.
290481		Umbrako M5*8 Din 914 INOX	2 Und.
210056		Topo P/ Lâmina Fixa LS.04	2 Und.
290020		Paraf. PAR 006 PK $^{7}/_{8}$*10 CQ	8 Und.

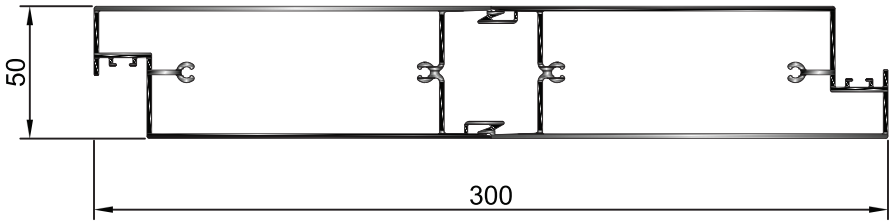
ACESSÓRIOS PARA LS.42



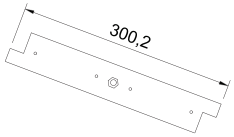
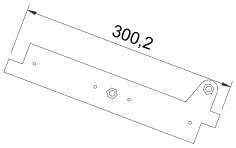
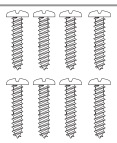
LÂMINAS MÓVEIS

Referência	Desenho	Designação	Observações
210050		Topo P/ Lâmina LS.05 Móvel	1 Und.
210070		Topo P/ Lâmina LS.05 Móvel C/ Aba	1 Und.
220003		Eixo LS INOX Nº2	1 Und.
220004		Eixo LS INOX Nº1	1 Und.
215001		Peça de Ligação LS	1 Und.
212003		Conjunto LS Nº1	1 Und.
290020		Parafuso PAR 006 PK $^{7}/_{8}$*10 CQ	8 Und.
270020		Porca Sextavada M8 INOX	3 Und.
217115		Anilha Recartilhada M8 INOX	2 Und.
217002		Anilha M8 INOX	4 Und.

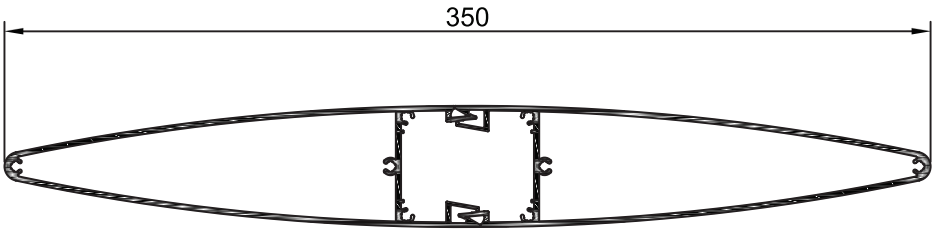
ACESSÓRIOS PARA LS.37



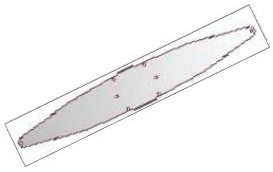
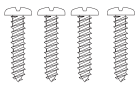
LÂMINAS MÓVEIS

Referência	Desenho	Designação	Observações
210075		Topo P/ Lâmina LS.05 Móvel	1 Und.
210076		Topo P/ Lâmina LS.05 Móvel C/ Aba	1 Und.
220003		Eixo LS INOX Nº2	1 Und.
220004		Eixo LS INOX Nº1	1 Und.
215001		Peça de Ligação LS	1 Und.
212003		Conjunto LS Nº1	1 Und.
290020		Parafuso PAR 006 PK $^{7}/_{8}$*10 CQ	8 Und.
270020		Porca Sextavada M8 INOX	3 Und.
217115		Anilha Recartilhada M8 INOX	2 Und.
217002		Anilha M8 INOX	4 Und.

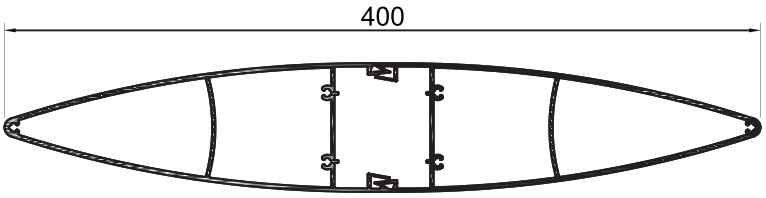
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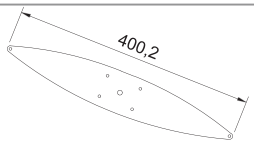
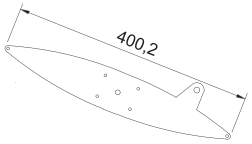
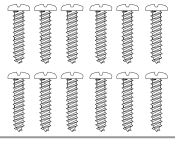
LÂMINAS FIXAS

Referência	Desenho	Designação	Observações
L10750		Topo P/ Lâmina Fixa LS.07	2 Und.
L10755		Suporte Concha P/ Lâmina Fixa LS.07	2 Und.
290020		Paraf. PAR 006 PK $^{7}/_{8}$*10 CQ	4 Und.

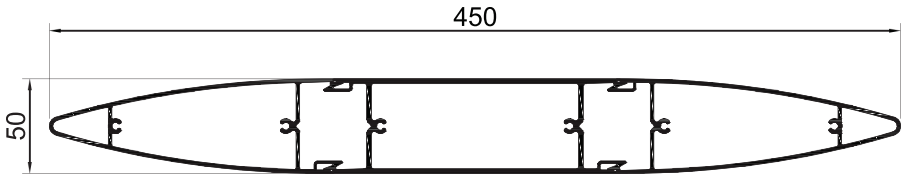
ACESSORIOS PARA LS.08



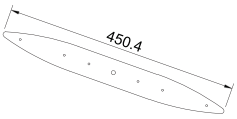
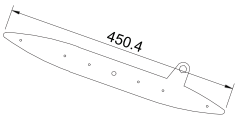
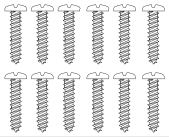
LÂMINAS MÓVEIS

Referência	Desenho	Designação	Observações
210063		Topo P/ Lâmina LS.08 Móvel	1 Und.
210064		Topo P/ Lâmina LS.08 Móvel C/ Aba	1 Und.
220003		Eixo LS INOX Nº2	1 Und.
220004		Eixo LS INOX Nº1	1 Und.
215001		Peça de Ligação LS	1 Und.
212003		Conjunto LS Nº1	1 Und.
290020		Parafuso PAR 006 PK $^{7}/_{8}$*10 CQ	12 Und.
270020		Porca Sextavada M8 INOX	3 Und.
217115		Anilha Recartilhada M8 INOX	2 Und.
217002		Anilha M8 INOX	4 Und.

ACESSÓRIOS PARA LS.43

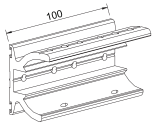
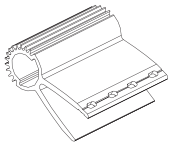
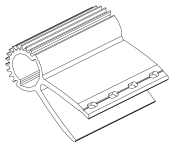
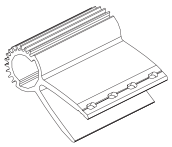
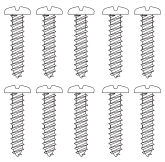


LÂMINAS MÓVEIS

Referência	Desenho	Designação	Observações
210071		Topo P/ Lâmina LS.43 Móvel	1 Und.
210072		Topo P/ Lâmina LS.43 Móvel C/ Aba	1 Und.
220003		Eixo LS INOX Nº2	1 Und.
220004		Eixo LS INOX Nº1	1 Und.
215001		Peça de Ligação LS	1 Und.
212003		Conjunto LS Nº1	1 Und.
290020		Parafuso PAR 006 PK $^{7}/_{8}$*10 CQ	12 Und.
270020		Porca Sextavada M8 INOX	3 Und.
217115		Anilha Recartilhada M8 INOX	2 Und.
217002		Anilha M8 INOX	4 Und.

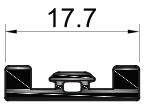
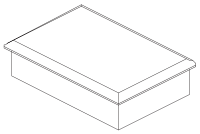
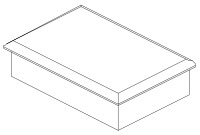
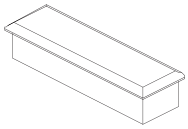
ACESSÓRIOS PARA FIXAÇÃO

LÂMINAS FIXAS

Referência	Desenho	Designação	Observações
215004		Suporte Fixo Nº3	Aplicação no LS.06/01/42/05/04 para união de lâminas
215005		Suporte Fixo Nº4	Aplicação no LS.06
215032		Suporte Fixo Nº8	Aplicação no LS.01
215011		Suporte Fixo Nº6	Aplicação no LS.42/05/04
290020		Parafuso PAR 006 PK 7/8*10 CQ	10 Und.
217115		Anilha Recartilhada M8 INOX	10 Und.
290481		Umbrako M5*8 DIN 914 INOX	4 Und.
210168		Topo PT208/210	

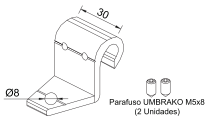
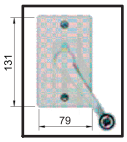
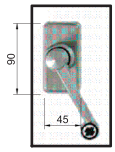
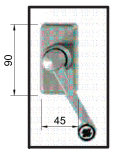
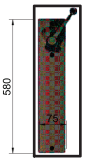
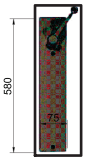
ACESSÓRIOS PARA FIXAÇÃO

LÂMINAS FIXAS

Referência	Desenho	Designação	Observações
208153		Junta VD2123	Aplicação no perfil LS37
210018		Topo tubo 40*20	
210019		Topo tubo 50*34	
210186		Topo tubo 100*20	

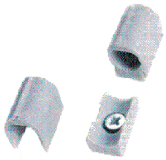
ACESSÓRIOS PARA FIXAÇÃO

LÂMINAS MÒVEIS

Referência	Desenho	Designação	Observações
215007		Ligação Manual	
214002		Comando Manual L40544V Cinz.	
214302		Comando Manual 30748C Br.	
214001		Comando Manual 36813E Cinz.	
		Comando Manual L.L. 40777R Br.	
		Comando Manual L.L. 40778S Pr.	
		Comando Manual L.L. 40779T Cinz.	
214003		Comando Manual L.37035E Cinz.	

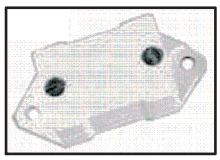
ACESSÓRIOS PARA FIXAÇÃO

LÂMINAS MÒVEIS

Referência	Desenho	Designação	Observações
210520		Braço LS Manual 30758E	
231003		Tubo de 3m 36383 Cinz.	
232150		União para tubos 31459U Br.	
232100		União para tubos 40137E Cinz.	Colocar em cada metro uma presilha Colocar no inicio e final de curvas
207509		Presilha P/ Tubo 40134B Cinz.	Colocar em cada metro uma presilha Colocar no inicio e final de curvas
207450		Remate para Tubo 40139I Br.	
207009		Remate para Tubo 40191O Cinz.	
228001		Mola para Bicha 30770Y	

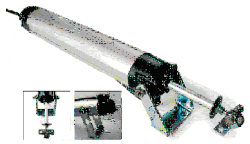
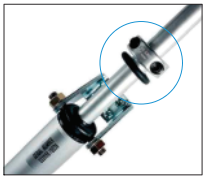
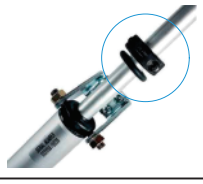
ACESSÓRIOS PARA FIXAÇÃO

LÂMINAS MÒVEIS

Referência	Desenho	Designação	Observações
223920		Reenvio 30768G Branco	
231003		Tubo de 3m 36383 Cinz.	
232150		União para tubos 31459U Br.	
232100		União para tubos 40137E Cinz.	Colocar em cada metro uma presilha Colocar no inicio e final de curvas
207509		Presilha P/ Tubo 40134B Cinz.	Colocar em cada metro uma presilha Colocar no inicio e final de curvas
207450		Remate para Tubo 40139I Br.	
207009		Remate para Tubo 40191O Cinz.	
228001		Mola para Bicha 30770Y	

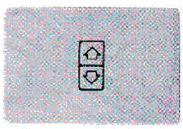
ACESSÓRIOS PARA FIXAÇÃO

LÂMINAS MÒVEIS

Referência	Desenho	Designação	Observações
217150		Bicha 30764A	
212013		Accionador 40759Z (180)	Para lâmina LS.06: 40759Z: Curso de 180mm E 650N (65Kg) 40909T: Curso de 180mm E 800N (80Kg) Incluí suporte de fixação Voltagem: 24VDC | Classe Protecção: IP 65
212001		Accionador 40909T (180)	Para lâmina LS.06: 40759Z: Curso de 180mm E 650N (65Kg) 40909T: Curso de 180mm E 800N (80Kg) Incluí suporte de fixação Voltagem: 24VDC | Classe Protecção: IP 65
212631		Accionador 40760A (300)	Para lâmina LS.42: 40760A: Curso de 300mm E 650N (65Kg) 40910U: Curso de 300mm E 800N (80Kg) Incluí suporte de fixação Voltagem: 24VDC | Classe Protecção: IP 65
212630		Accionador 40910U (300)	Para lâmina LS.42: 40760A: Curso de 300mm E 650N (65Kg) 40910U: Curso de 300mm E 800N (80Kg) Incluí suporte de fixação Voltagem: 24VDC | Classe Protecção: IP 65
212107		Accionador MAX 41259D (180)	Atuador linear destinado ao uso no exterior Força de impulsão: 450N (aprox. 45Kg) Força de tração: 350N (aprox. 35Kg) Curso: 180mm | Tensão alimentação: 230Vac
223050		Kit Redutor 40735V	Aplicar nos Acionadores Elétricos para reduzir o curso em função de cada lâmina
223051		Kit Redutor MAX 40921N	Aplicar no Acionador Elétrico Max para reduzir o curso em função de cada lâmina

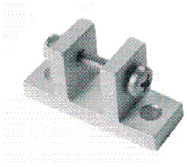
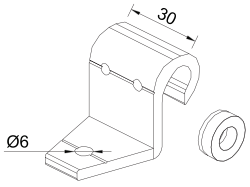
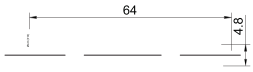
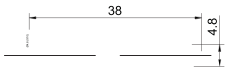
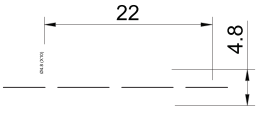
ACESSÓRIOS PARA FIXAÇÃO

LÂMINAS MÒVEIS

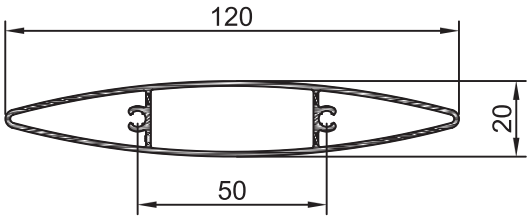
Referência	Desenho	Designação	Observações
212650		Central CRM1 40769J	Permite ligar até 4 acionadores Funciona como fonte de alimentação Converte 230V para 24V Funciona com os interruptores multifunções ou bipolar Permite utilizar o termoestato e detectores
212660		Interruptor Multifunções 40770K	Aplicar com a Central CRM1 Pode utilizar o comando à distância Aciona até 4 acionadores em simultâneo ou separados
212700		Interruptor Bipolar 40558G	Com paragem intermédia
212670		Termoestato 40675K	Aplicar com a Central CRM1
212680		Detetor de Vento 37185V	Aplicar com a Central CRM1
212690		Detetor de Chuva 40450K	Aplicar com a Central CRM1
214301		Comando RC 40771L	Funciona somente com o interruptor multifunções Utilizar com 2 pilhas nº2 AAA 1.5V (não incluídas) Inclui suporte para o comando
299089		Recetor de Rádio 230VAC TT2N	Compatível com comandos Compatível com acionadores 220-240VAC

ACESSÓRIOS PARA FIXAÇÃO

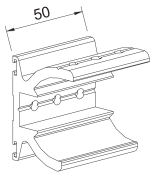
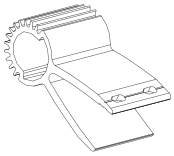
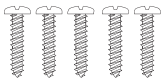
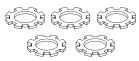
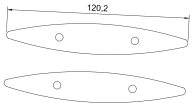
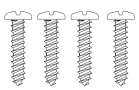
LÂMINAS MÒVEIS

Referência	Desenho	Designação	Observações
214269		Comando Dist. RF P1	
213001		Fonte Alimentação 40775P	Transformador de 230V para 24V Permite a ligação até 4 acionadores
230501		Suporte para Acionador 35697P	Aplicar com os acionadores elétricos
215008		Ligação para Acionador LS	Anilha Vulcanizada AN001  Parafuso UMBRAKO M5x8 Ligação para acionadores elétricos Material: Alumínio | Acabamentos: Lacados e Anodizados
290650		Paraf. PAR 007 PK 2" ½*10 CQ	Para fixação dos suportes fixos Nº1 e Nº3 à fachada estrutural
290158		Paraf. PKI PH 1 ½*10 CQ	Topos p/ lâmina QS 35 fixa c/2 abas
290020		Paraf. PAR 006 PK ⅞*10 CQ	
211600		Gabarito P/ Curva 100mm 30790G	

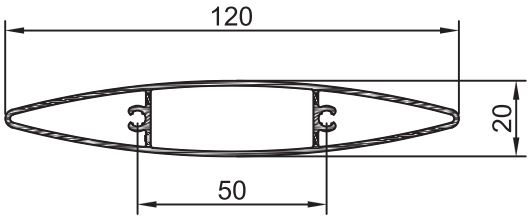
ACESSÓRIOS PARA LS.01



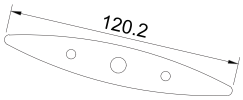
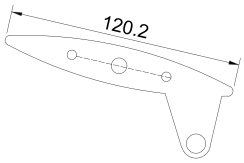
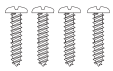
LÂMINAS FIXAS

Referência	Desenho	Designação	Observações
215002		Suporte Fixo Nº1	1 Und.
215031		Suporte Fixo Nº7	1 Und.
290020		Paraf. PAR 006PK $^{7}/_{8}$*10 CQ	5 Und.
217001		Anilha Recart. M5 INOX	5 Und.
290481		Umbrako M5*8 Din 914 INOX	2 Und.
210087		Topo P/ Lâmina Fixa LS.01	2 Und.
290020		Paraf. PAR 006 PK $^{7}/_{8}$*10 CQ	4 Und.

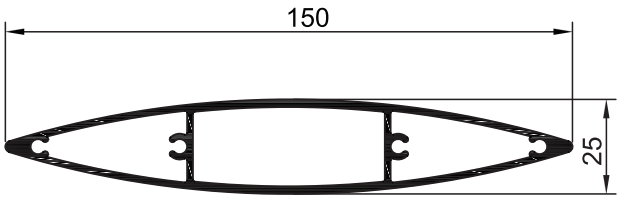
ACESSÓRIOS PARA LS.01



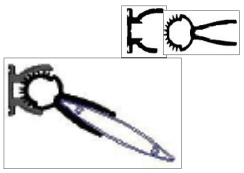
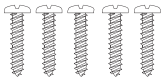
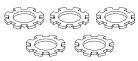
LÂMINAS MÓVEIS

Referência	Desenho	Designação	Observações
210073		Topo P/ Lâmina LS.01 Móvel	1 Und.
210074		Topo P/ Lâmina LS.01 Móvel C/ Aba	1 Und.
220004		Eixo LS INOX Nº2	1 Und.
215001		Peça de Ligação LS	1 Und.
212003		Conjunto LS Nº1	1 Und.
290020		Parafuso PAR 006 PK $^{7}/_{8}$*10 CQ	4 Und.
270020		Porca Sextavada M8 INOX	3 Und.
217115		Anilha Recartilhada M8 INOX	2 Und.
217002		Anilha M8 INOX	4 Und.

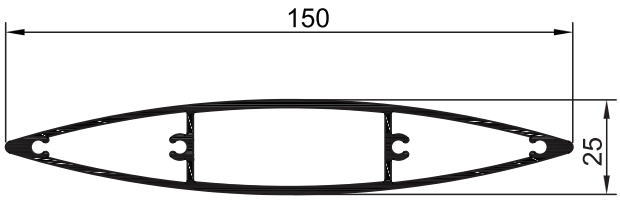
ACESSÓRIOS PARA LS.09



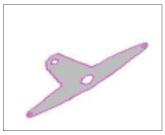
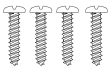
LÂMINAS FIXAS

Referência	Desenho	Designação	Observações
L10792		Fixador Lâmina	1 Und.
290020		Paraf. PAR 006PK 7/8*10 CQ	5 Und.
217001		Anilha Recart. M5 INOX	5 Und.
290481		Umbrako M5*8 Din 914 INOX	2 Und.
L10690		Topo P/ Lâmina Fixa LS.09	2 Und.
L10695		Topo Alongado P/ Lâmina Fixa LS.09	2 Und.
L10700		Suporte Concha P/ Lâmina Fixa LS.09	2 Und.
290020		Paraf. PAR 006 PK 7/8*10 CQ	4 Und.

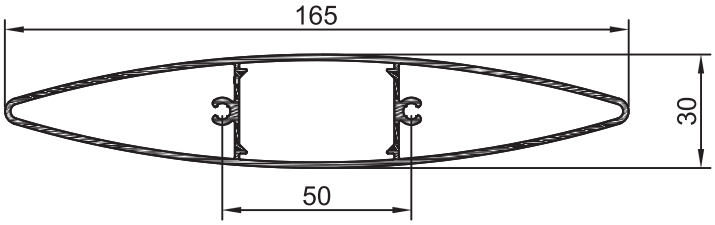
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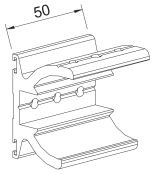
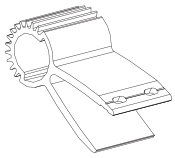
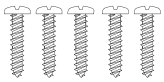
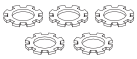
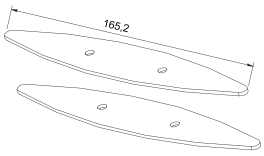
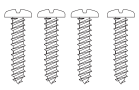
LÂMINAS MÓVEIS

Referência	Desenho	Designação	Observações
L10705		Topo P/ Lâmina LS.09 Móvel	1 Und.
L10710		Topo P/ Lâmina LS.09 Móvel C/ Aba	1 Und.
L40321		Kit Acessórios Lâminas Móveis	1 Und.
290020		Parafuso PAR 006 PK $^{7}/_{8}$*10 CQ	4 Und.
270020		Porca Sextavada M8 INOX	3 Und.
217115		Anilha Recartilhada M8 INOX	2 Und.
217002		Anilha M8 INOX	4 Und.

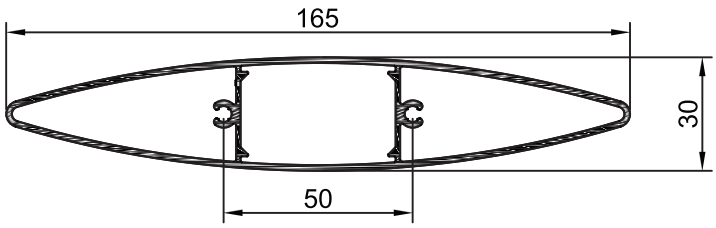
ACESSÓRIOS PARA LS.06



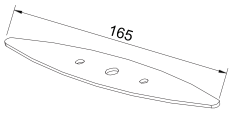
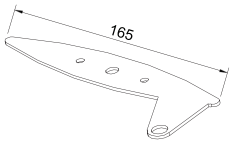
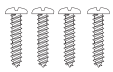
LÂMINAS FIXAS

Referência	Desenho	Designação	Observações
215002		Suporte Fixo Nº1	1 Und.
215003		Suporte Fixo Nº2	1 Und.
290020		Paraf. PAR 006PK $^{7}/_{8}$*10 CQ	5 Und.
217001		Anilha Recart. M5 INOX	5 Und.
290481		Umbrako M5*8 Din 914 INOX	2 Und.
210029		Topo P/ Lâmina Fixa LS.06	2 Und.
290020		Paraf. PAR 006 PK $^{7}/_{8}$*10 CQ	4 Und.

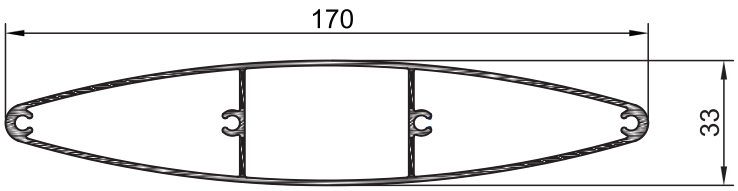
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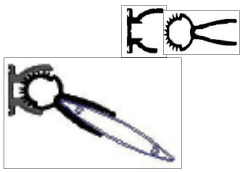
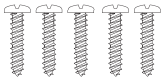
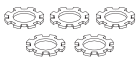
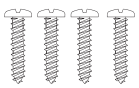
LÂMINAS MÓVEIS

Referência	Desenho	Designação	Observações
210028		Topo P/ Lâmina LS.06 Móvel	1 Und.
210030		Topo P/ Lâmina LS.06 Móvel C/ Aba	1 Und.
220003		Eixo LS INOX Nº2	1 Und.
220004		Eixo LS INOX Nº1	1 Und.
215001		Peça de Ligação LS	1 Und.
212003		Conjunto LS Nº1	1 Und.
290020		Parafuso PAR 006 PK $^{7}/_{8}$*10 CQ	4 Und.
270020		Porca Sextavada M8 INOX	3 Und.
217115		Anilha Recartilhada M8 INOX	2 Und.
217002		Anilha M8 INOX	4 Und.

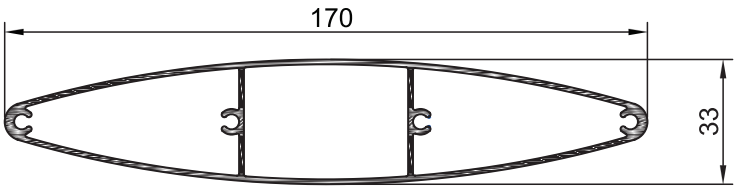
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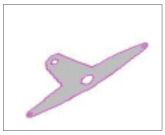
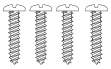
LÂMINAS FIXAS

Referência	Desenho	Designação	Observações
L10794		Fixador Lâmina	1 Und.
290020		Paraf. PAR 006PK $^{7}/_{8}$*10 CQ	5 Und.
217001		Anilha Recart. M5 INOX	5 Und.
290481		Umbrako M5*8 Din 914 INOX	2 Und.
L10620		Topo P/ Lâmina Fixa LS.02	2 Und.
L10625		Topo Alongado P/ Lâmina Fixa LS.02	2 Und.
L10630		Suporte Concha P/ Lâmina Fixa LS.02	2 Und.
290020		Paraf. PAR 006 PK $^{7}/_{8}$*10 CQ	4 Und.

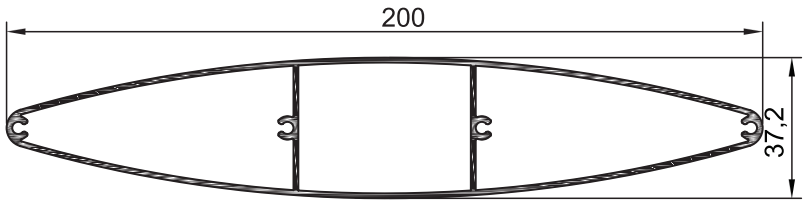
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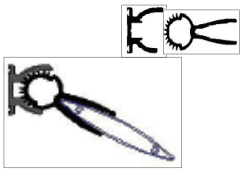
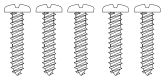
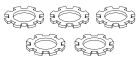
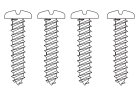
LÂMINAS MÓVEIS

Referência	Desenho	Designação	Observações
L10680		Topo P/ Lâmina LS.02 Móvel	1 Und.
L10660		Topo P/ Lâmina LS.02 Móvel C/ Aba	1 Und.
L40322		Kit Acessórios Lâminas Móveis	1 Und.
290020		Parafuso PAR 006 PK $^{7}/_{8}$*10 CQ	4 Und.
270020		Porca Sextavada M8 INOX	3 Und.
217115		Anilha Recartilhada M8 INOX	2 Und.
217002		Anilha M8 INOX	4 Und.

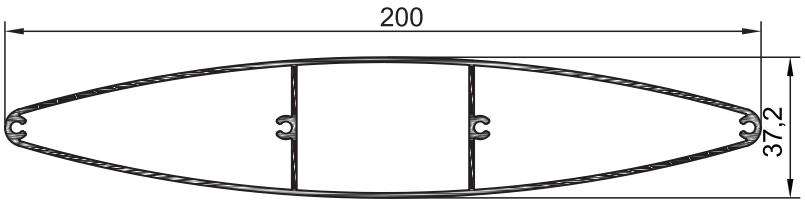
ACESSÓRIOS PARA LS.03



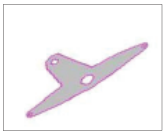
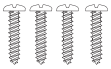
LÂMINAS FIXAS

Referência	Desenho	Designação	Observações
L10794		Fixador Lâmina	1 Und.
290020		Paraf. PAR 006PK 7/8*10 CQ	5 Und.
217001		Anilha Recart. M5 INOX	5 Und.
290481		Umbrako M5*8 Din 914 INOX	2 Und.
L10635		Topo P/ Lâmina Fixa LS.02	2 Und.
L10640		Topo Alongado P/ Lâmina Fixa LS.02	2 Und.
L10645		Suporte Concha P/ Lâmina Fixa LS.02	2 Und.
290020		Paraf. PAR 006 PK 7/8*10 CQ	4 Und.

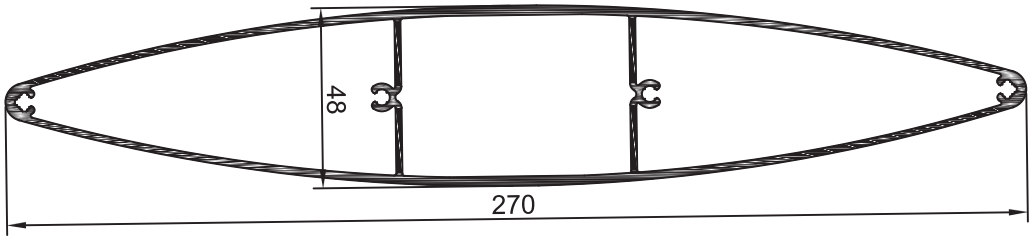
ACESSÓRIOS PARA LS.03



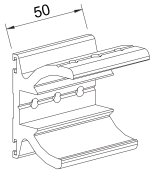
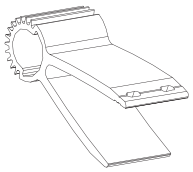
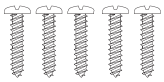
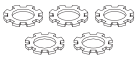
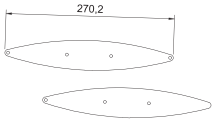
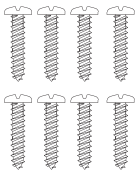
LÂMINAS MÓVEIS

Referência	Desenho	Designação	Observações
L10685		Topo P/ Lâmina LS.03 Móvel	1 Und.
L10670		Topo P/ Lâmina LS.03 Móvel C/ Aba	1 Und.
L40323		Kit Acessórios Lâminas Móveis	1 Und.
290020		Parafuso PAR 006 PK $^{7}/_{8}$*10 CQ	4 Und.
270020		Porca Sextavada M8 INOX	3 Und.
217115		Anilha Recartilhada M8 INOX	2 Und.
217002		Anilha M8 INOX	4 Und.

ACESSÓRIOS PARA LS.04



LÂMINAS FIXAS

Referência	Desenho	Designação	Observações
215002		Suporte Fixo Nº1	1 Und.
215006		Suporte Fixo Nº5	1 Und.
290020		Paraf. PAR 006PK $^{7}/_{8}$*10 CQ	5 Und.
217001		Anilha Recart. M5 INOX	5 Und.
290481		Umbrako M5*8 Din 914 INOX	2 Und.
210056		Topo P/ Lâmina Fixa LS.04	2 Und.
290020		Paraf. PAR 006 PK $^{7}/_{8}$*10 CQ	8 Und.



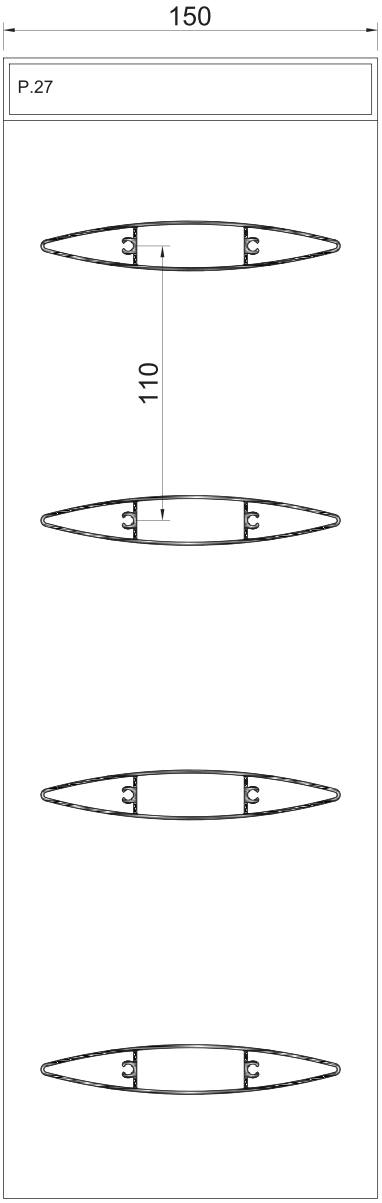
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PORMENORES TÉCNICOS

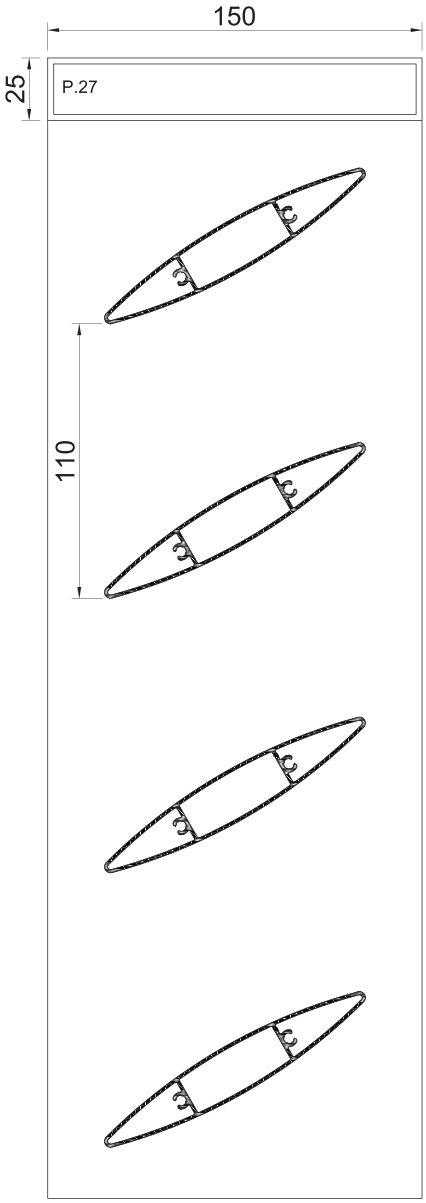
APLICAÇÃO DE LÂMINA FIXA LS.01 APARAFUSADA A ESTRUTURA TUBULAR

ÂNGULOS DE FIXAÇÃO E DISTÂNCIA ENTRE LÂMINAS LS.01
FIXAÇÃO DIRETA APARAFUSANDO ATRAVÉS DOS OLHAIS DA LÂMINA

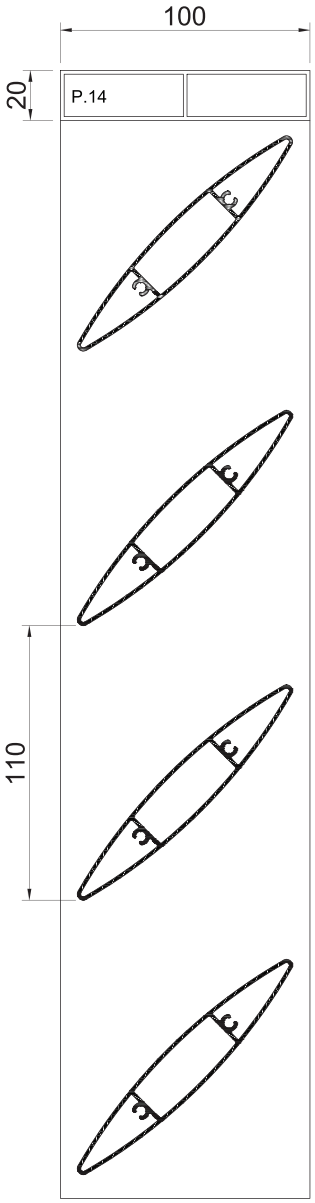
ÂNGULO DE 0°



ÂNGULO DE 30°

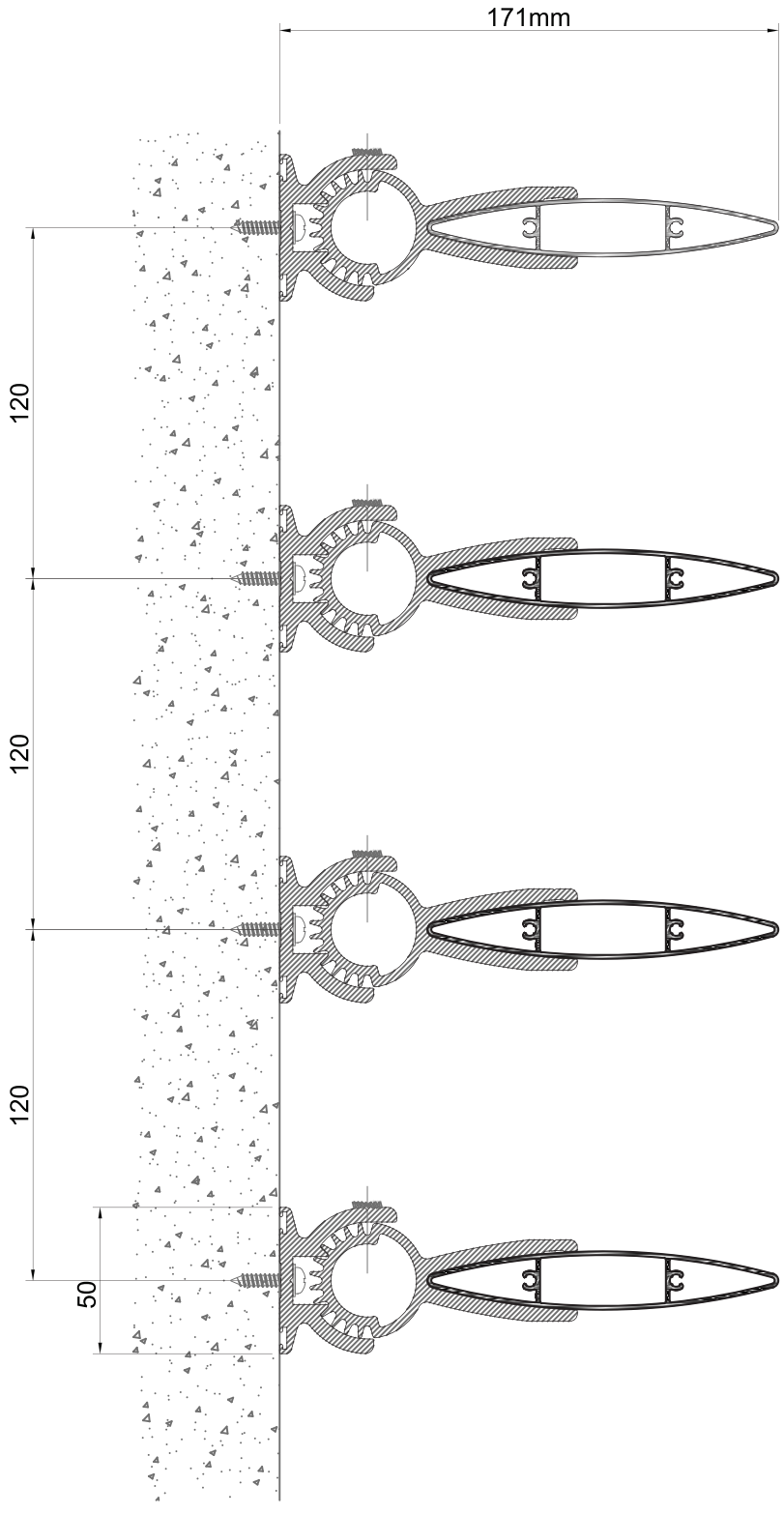


ÂNGULO DE 45°



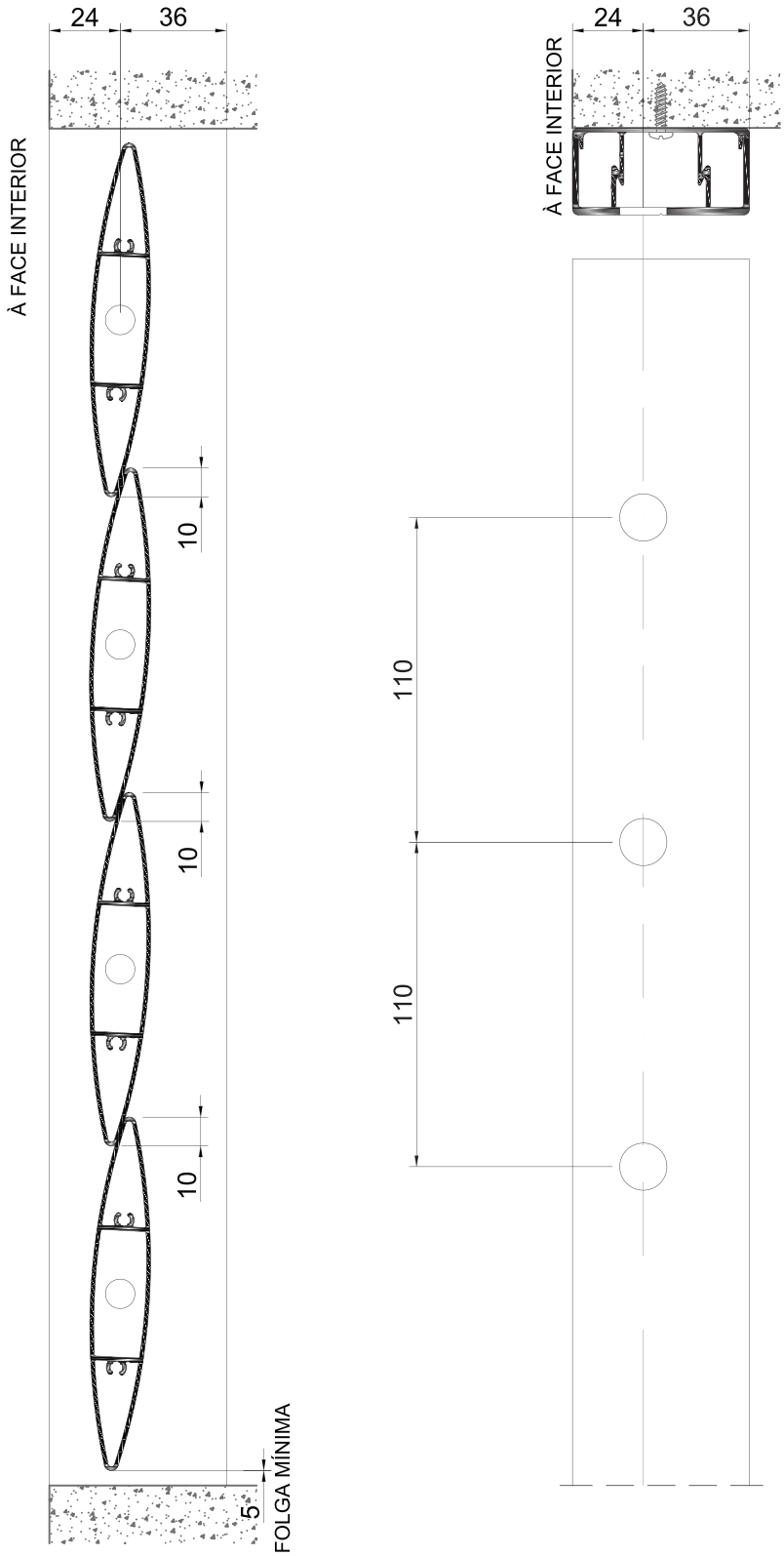
APLICAÇÃO COM 0° DE INCLINAÇÃO COM O PERFIL LS.01

- DISTÂNCIA RECOMENDADA: 120mm



NOTA: DIMENSÕES SEM ESCALA

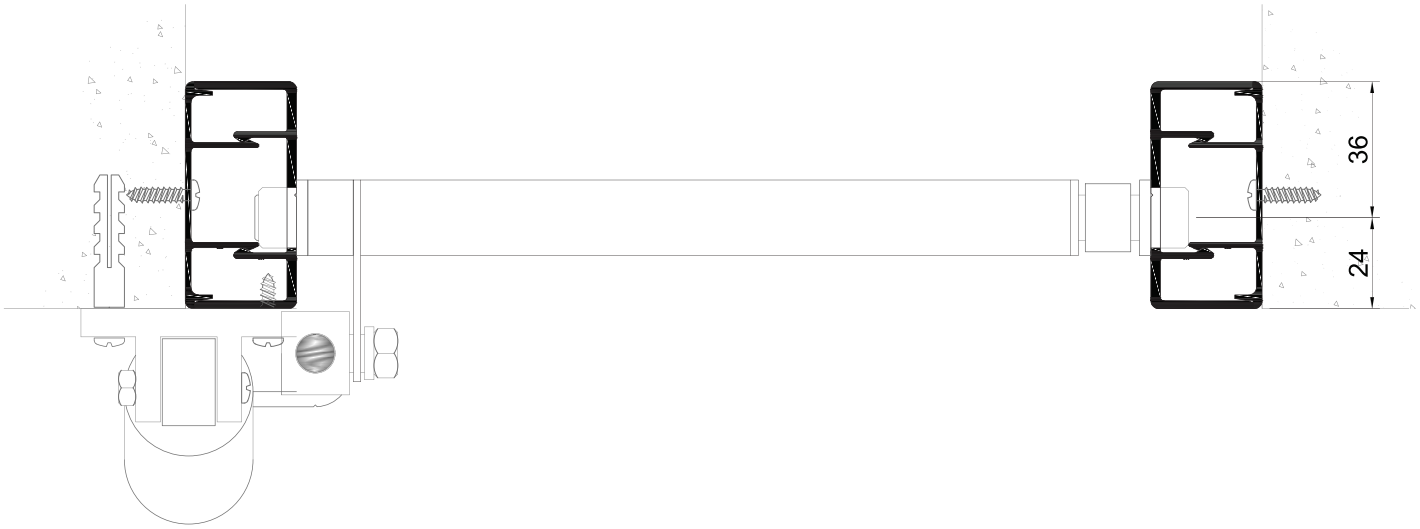
APLICAÇÃO LÂMINAS MÓVEIS COM O PERFIL LS.01



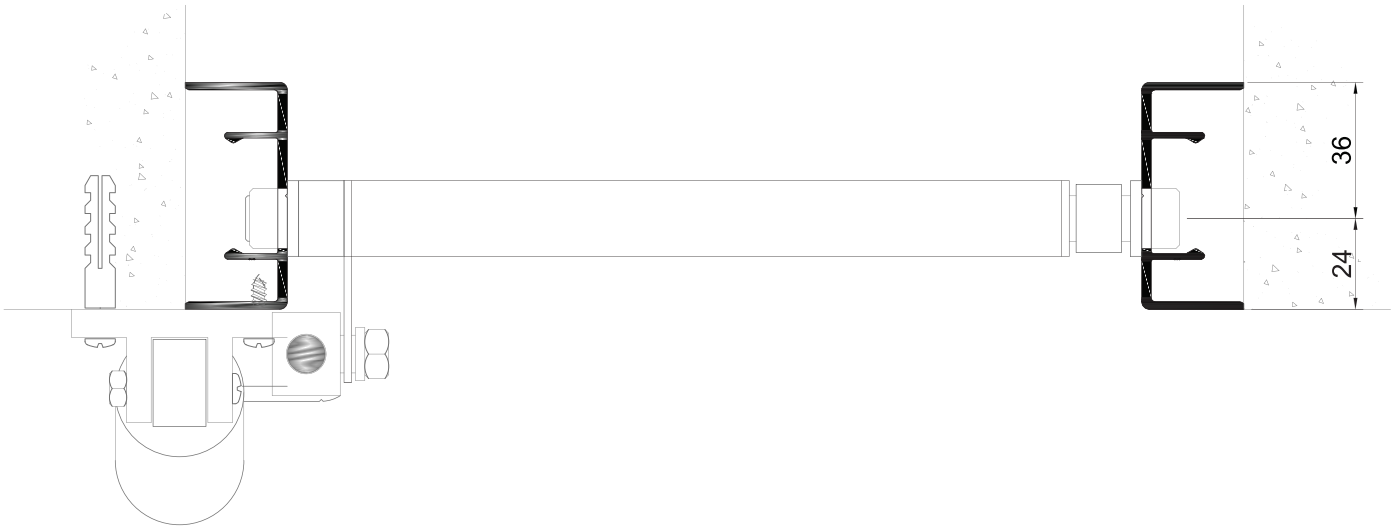
NOTA: DIMENSÕES SEM ESCALA

COM ACIONADOR ELÉTRICO

- COM APLICAÇÃO DOS PERFIS PT209 + PT210



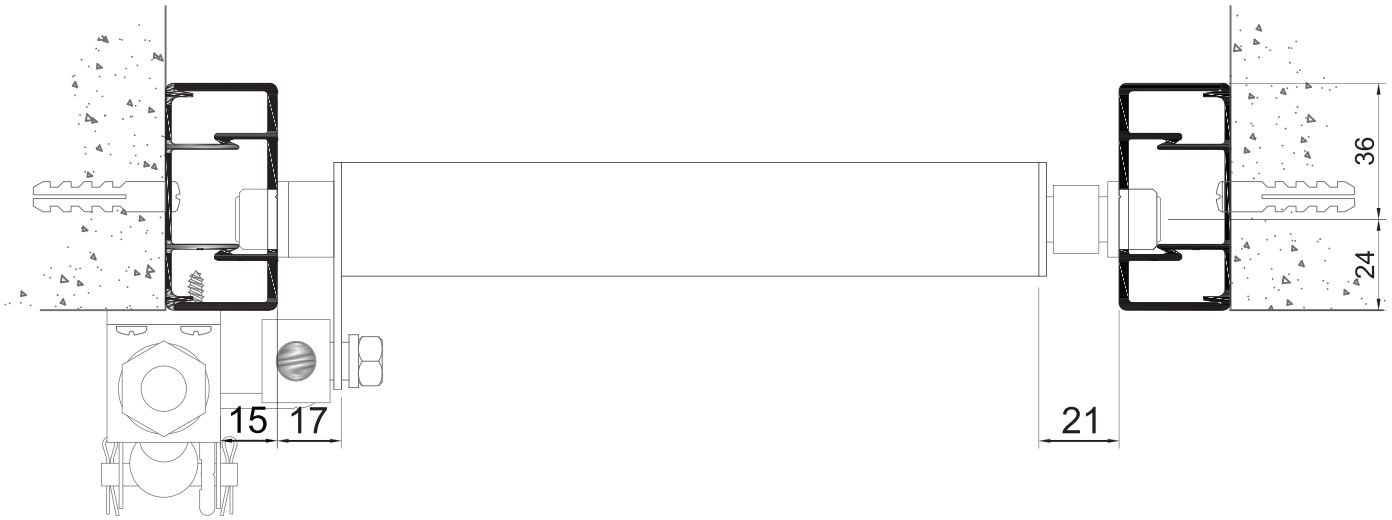
- COM APLICAÇÃO DO PERFIL PT209



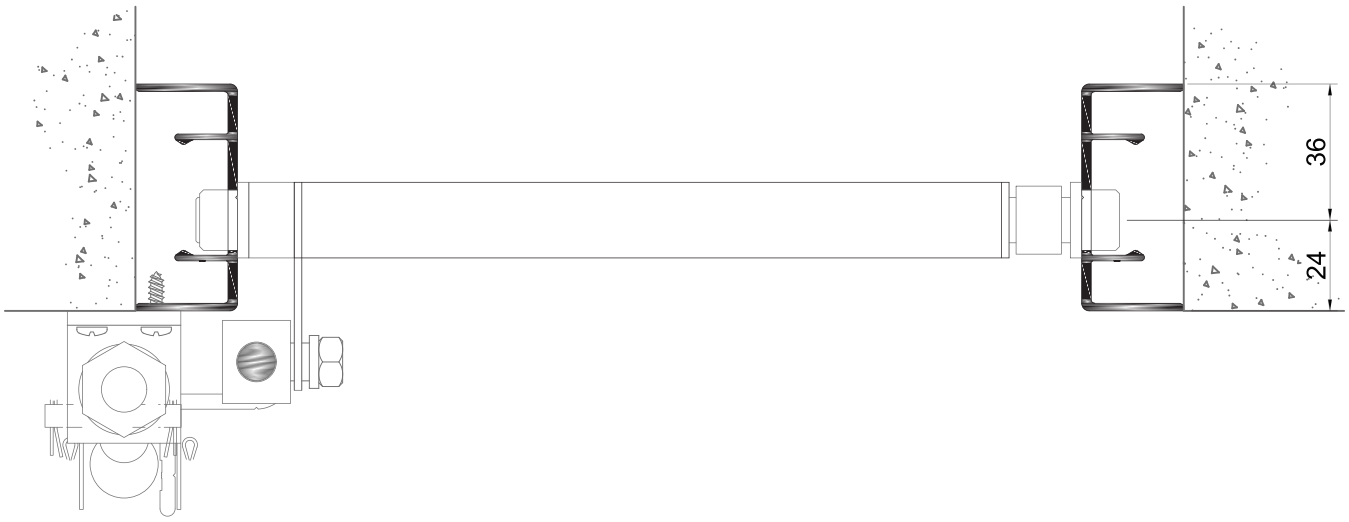
NOTA: DIMENSÕES SEM ESCALA

COMANDO MANUAL

- COM APLICAÇÃO DOS PERFIS PT209 + PT210



- COM APLICAÇÃO DO PERFIL PT209



NOTA: DIMENSÕES SEM ESCALA

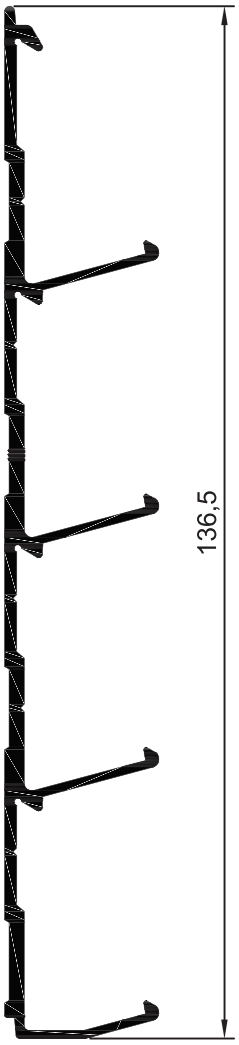
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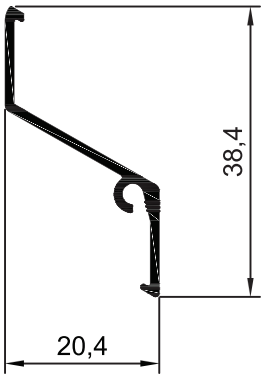


LÂMINAS REVESTIMENTO

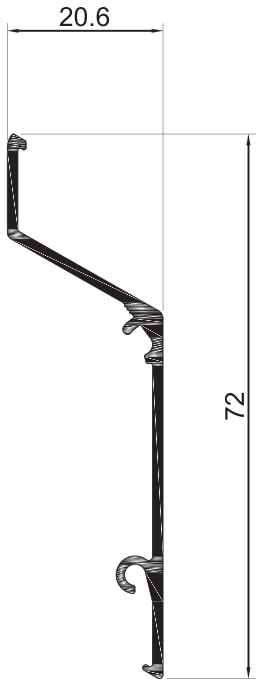
LS.33 *Suporte Lâmina LS.34/LS.45*



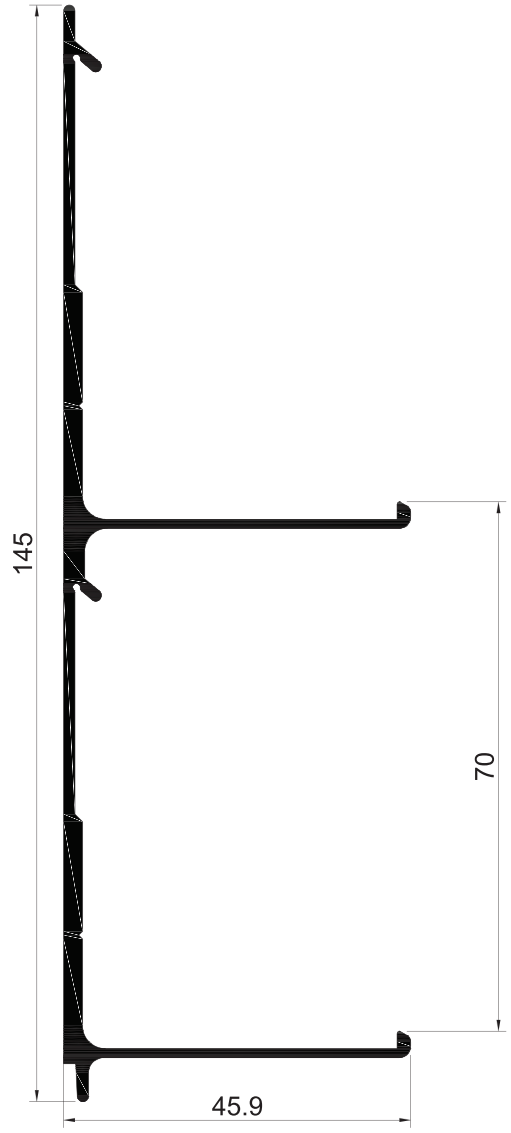
LS.34 *Lâmina 20.4*38.4mm*



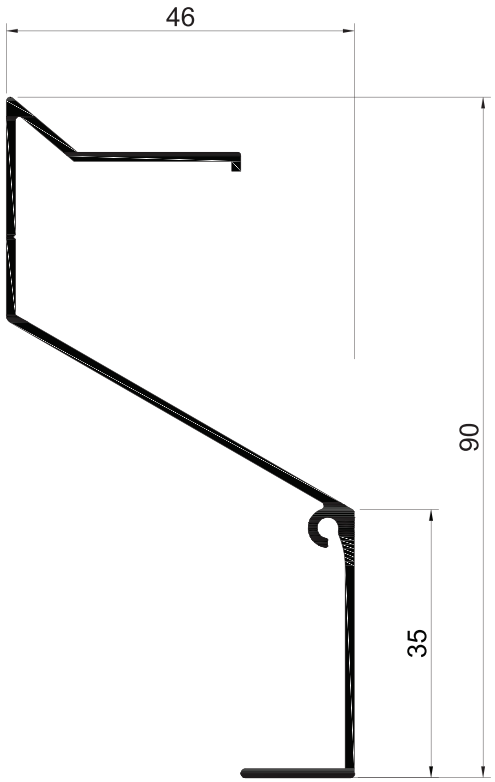
LS.45 *Lâmina 20.6*72mm*



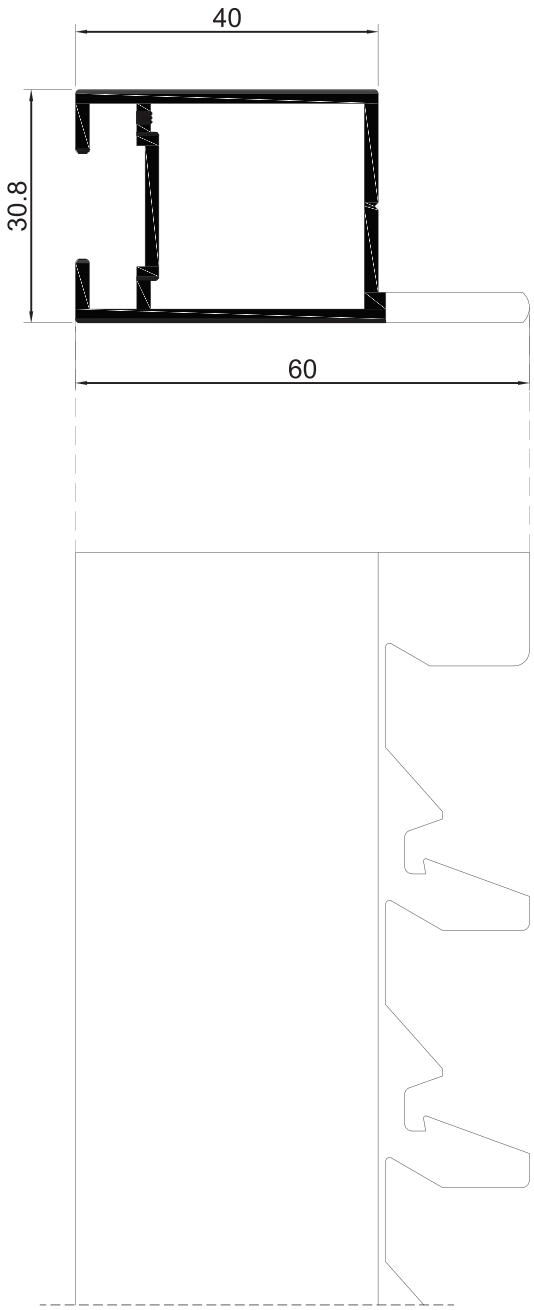
LS.31 *Suporte Lâmina LS.32*



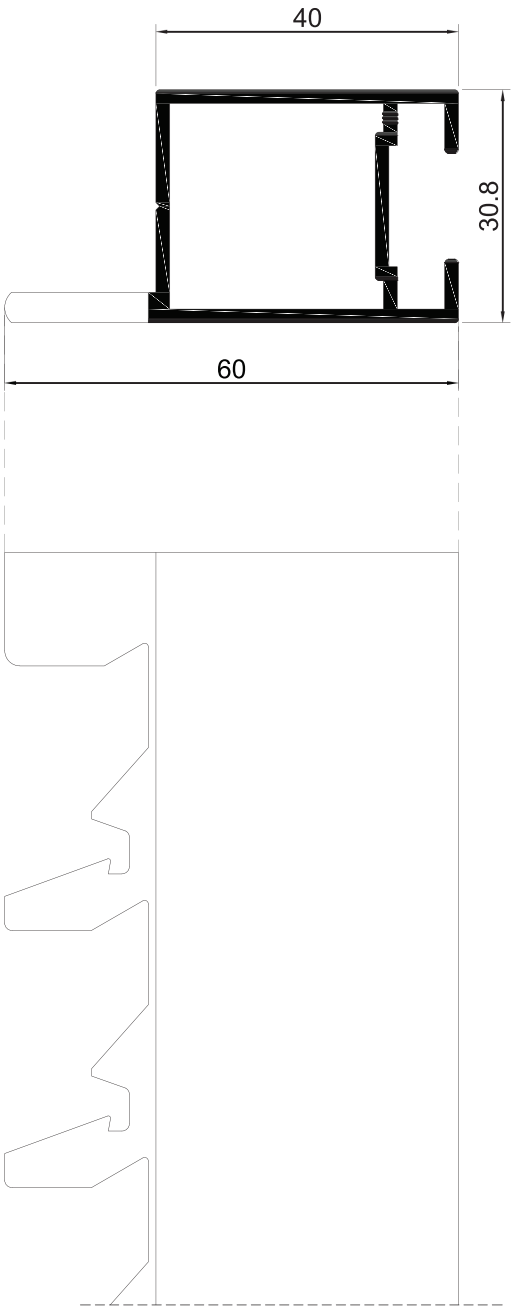
LS.32 *Lâmina 46*90mm*



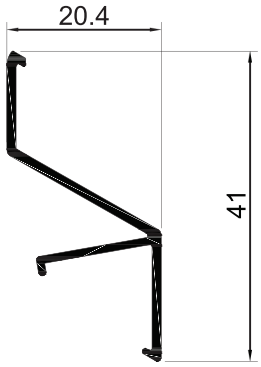
LS.44E *Fixador Lâmina*



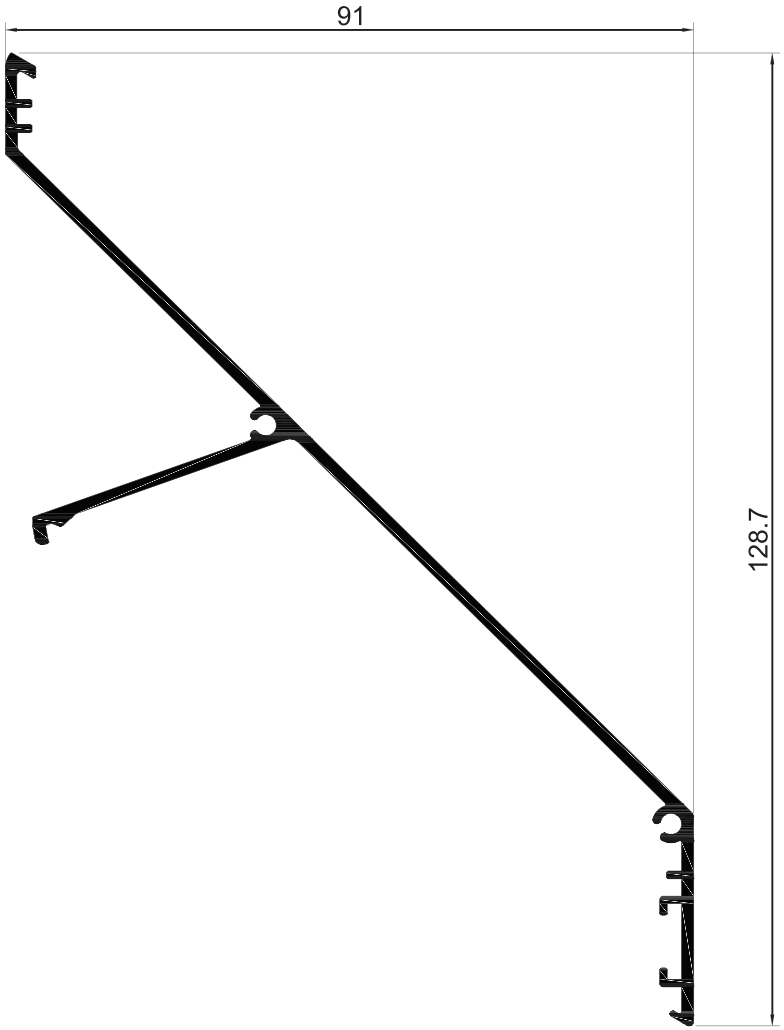
LS.44D *Fixador Lâmina*



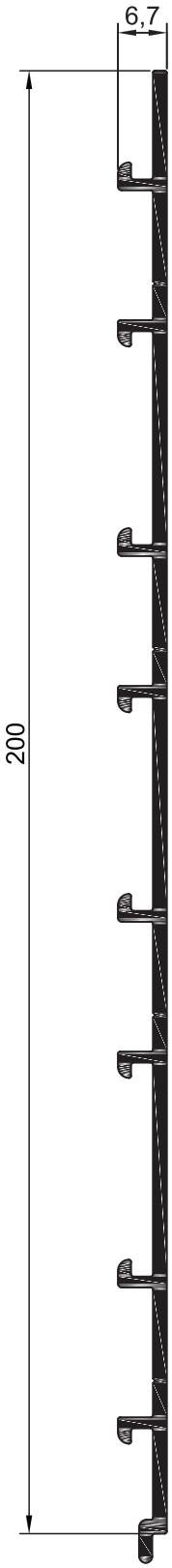
LS.38 *Lâmina 20.4*41mm*



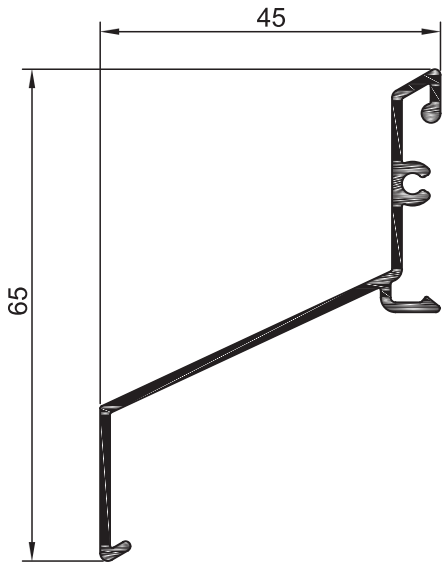
LS.46 *Lâmina 91*128.7mm*



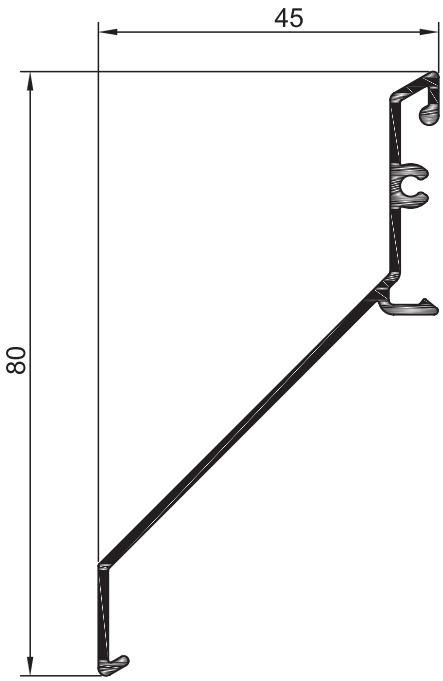
LS.13 *Suporte Lâmina*



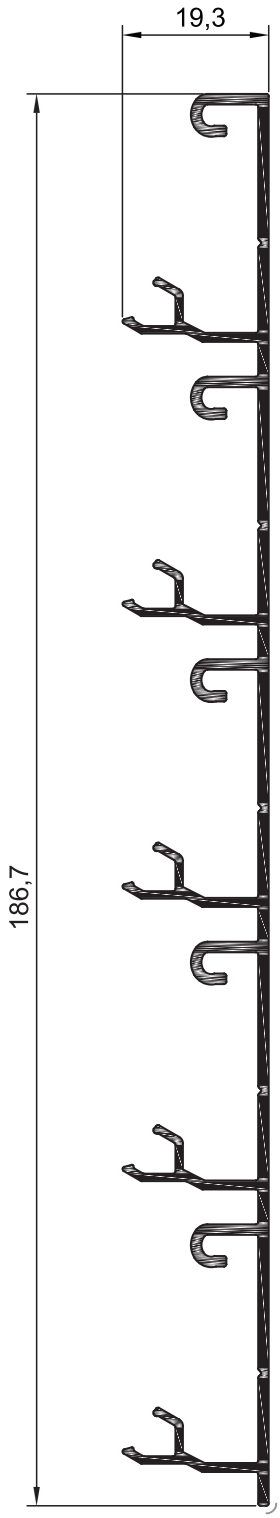
LS.11 *Lâmina 45*65mm*



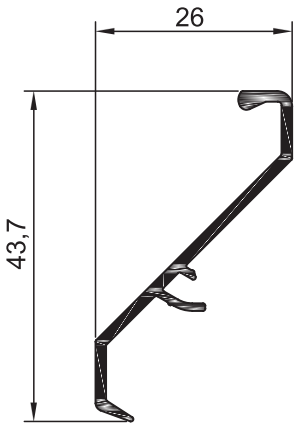
LS.12 *Lâmina 45*80mm*



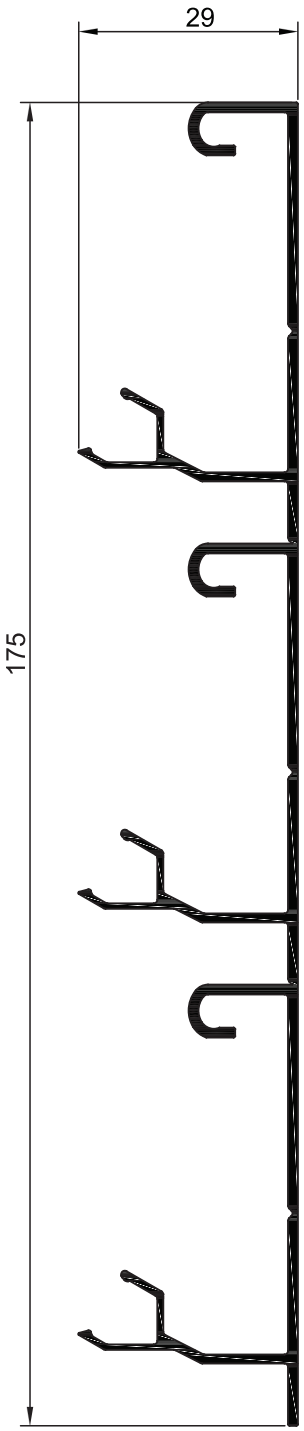
LS.23 *Fixador Lâmina LS16*



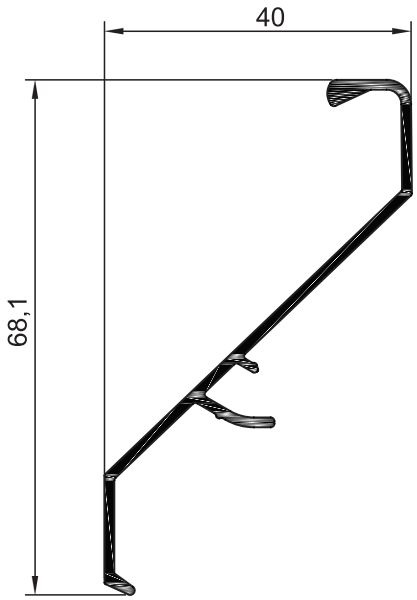
LS.16 *Lâmina 26*43mm*



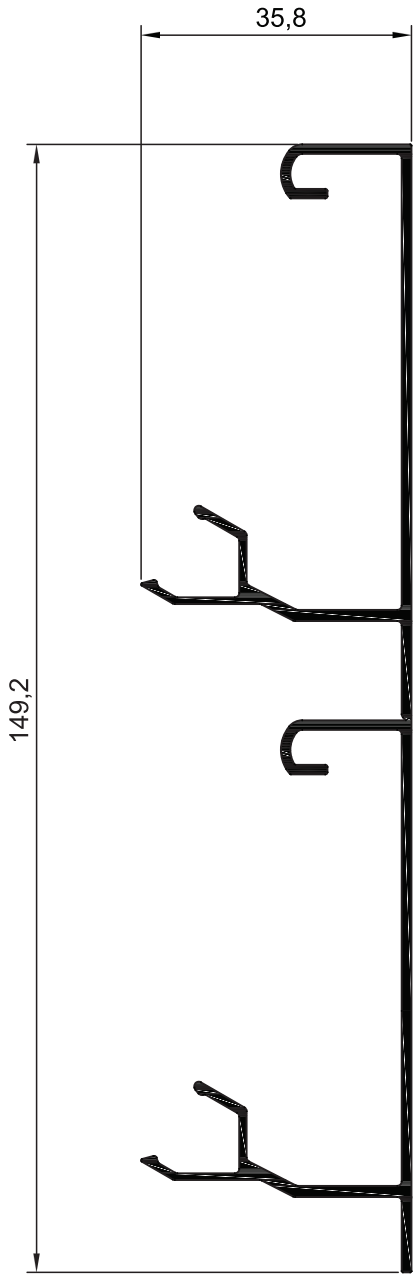
LS.24 *Suporte Lâmina LS14*



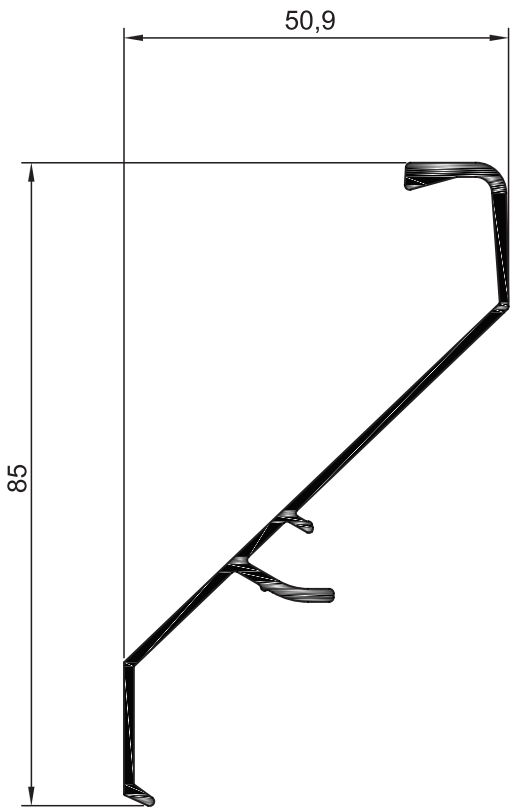
LS.14 *Lâmina 40*68mm*



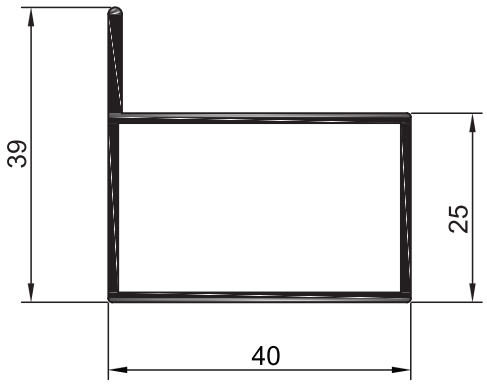
LS.25 *Suporte Lâmina LS15*



LS.15 *Lâmina 51*85mm*

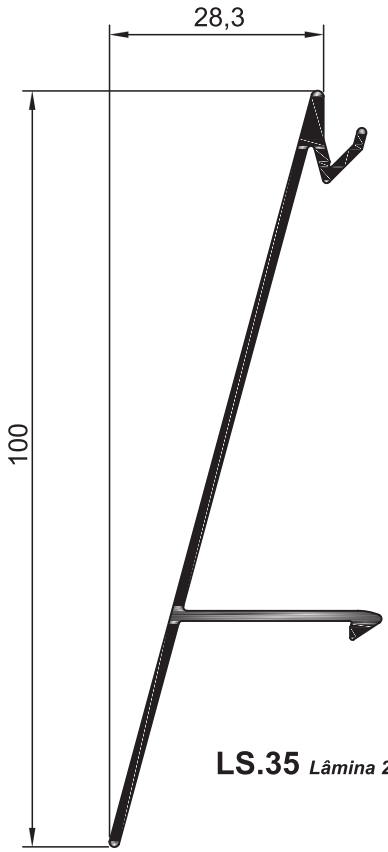


LS.22 *Suporte Lâmina P/LS.21,35,36*

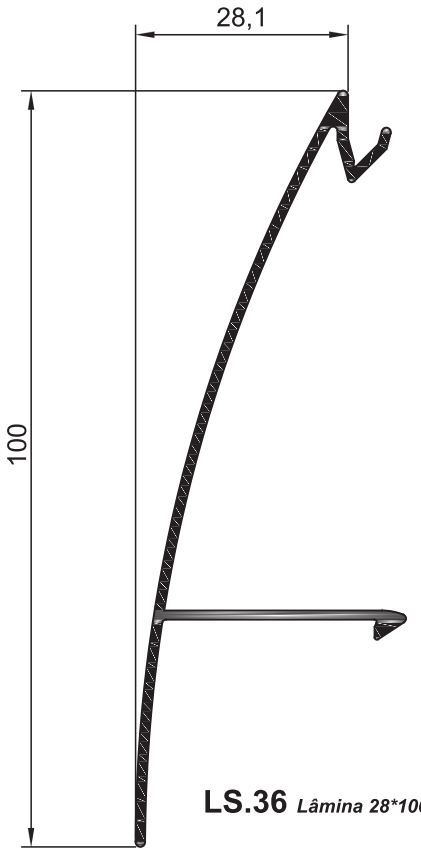




LS.21 *Lâmina 28*100mm*



LS.35 *Lâmina 28*100mm*



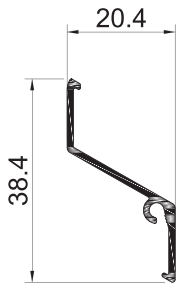
LS.36 *Lâmina 28*100mm*



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PORMENORES TÉCNICOS

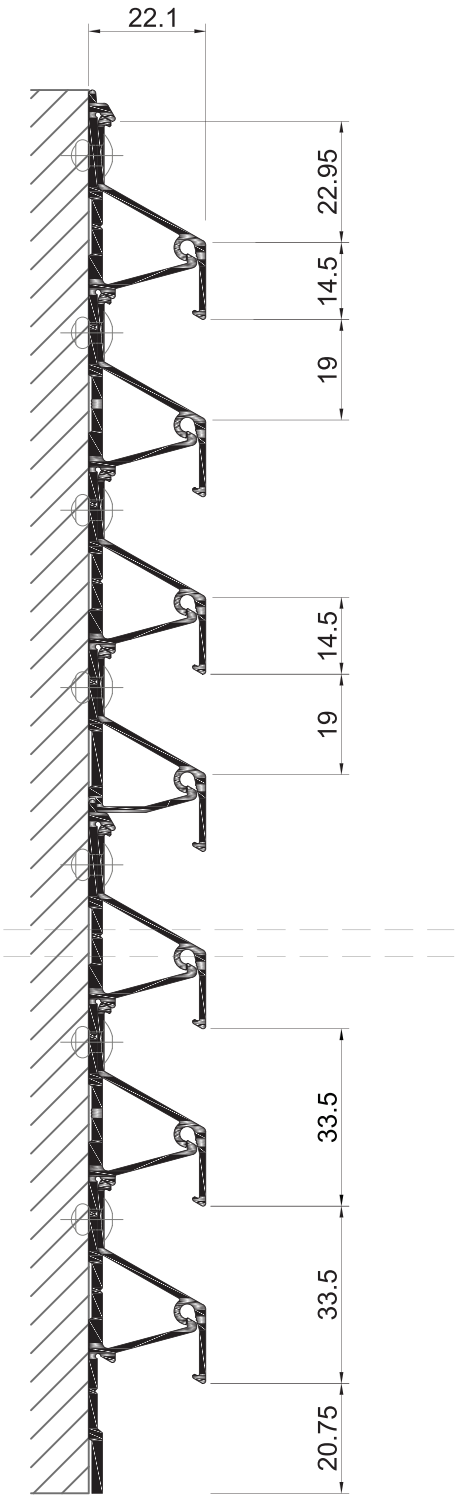
SISTEMA LS REVESTIMENTO - COM LÂMINA LS.34 + SUPORTE LS.33



LÂMINA LS.34

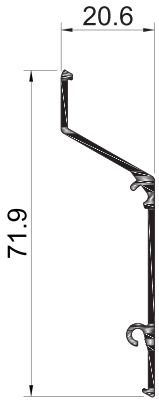


SUPORTE LS.33



NOTA: DIMENSÕES SEM ESCALA

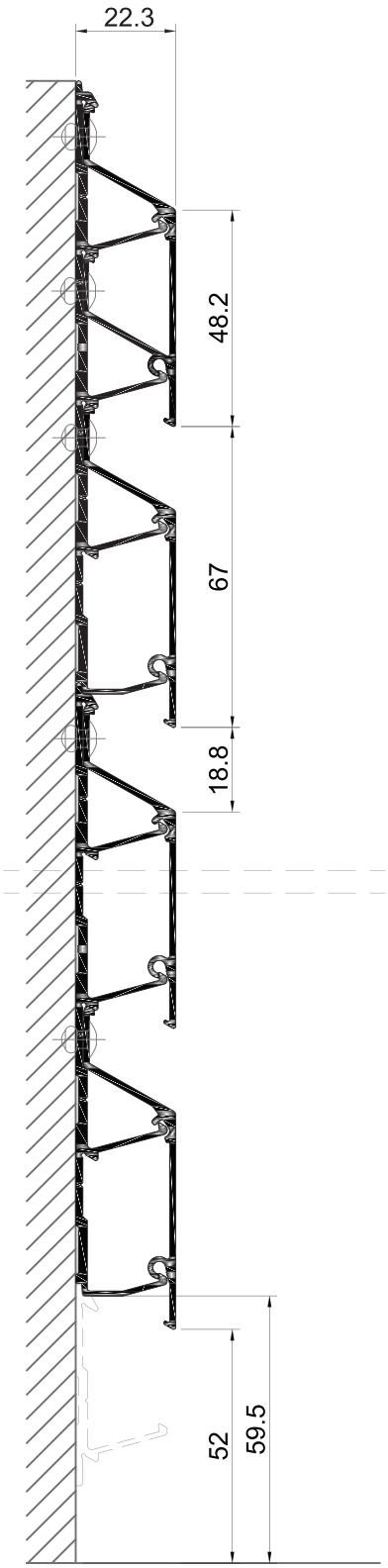
SISTEMA LS REVESTIMENTO - COM LÂMINA LS.45 + SUPORTE LS.33



LÂMINA LS.45

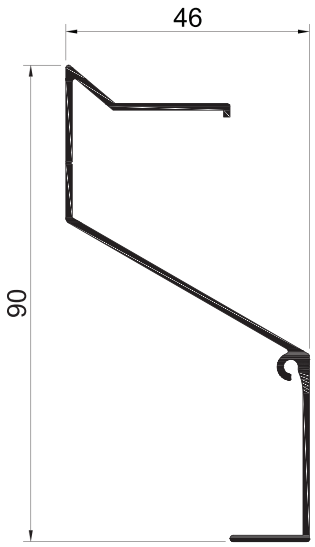


SUPORTE LS.33

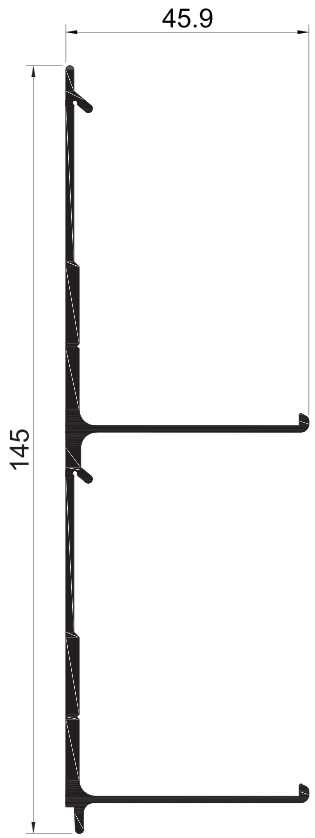


NOTA: DIMENSÕES SEM ESCALA

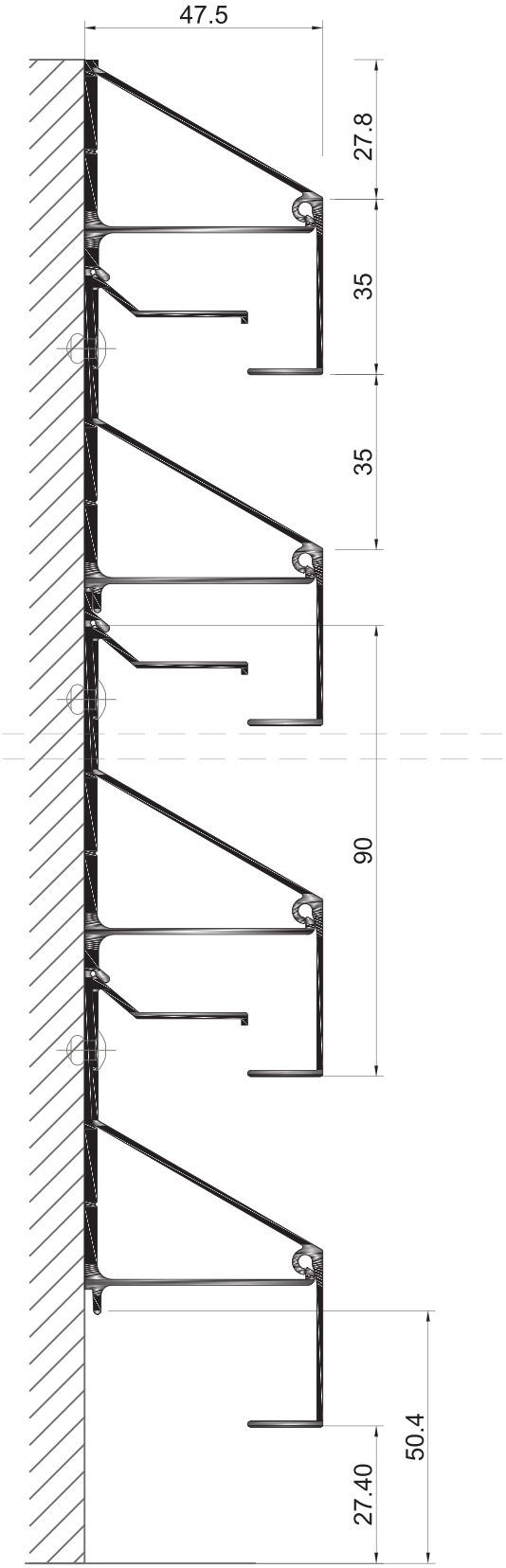
SISTEMA QS REVESTIMENTO - COM LÂMINA LS.32 + SUPORTE LS.31



LÂMINA LS.32

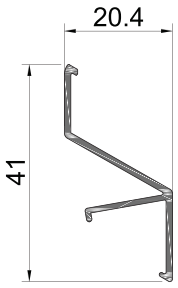


SUPORTE LS.31

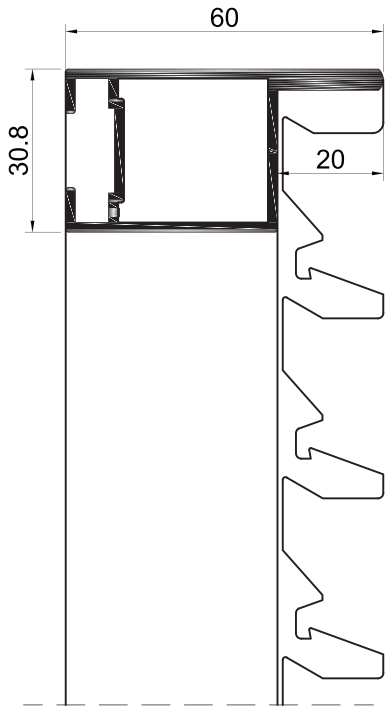


NOTA: DIMENSÕES SEM ESCALA

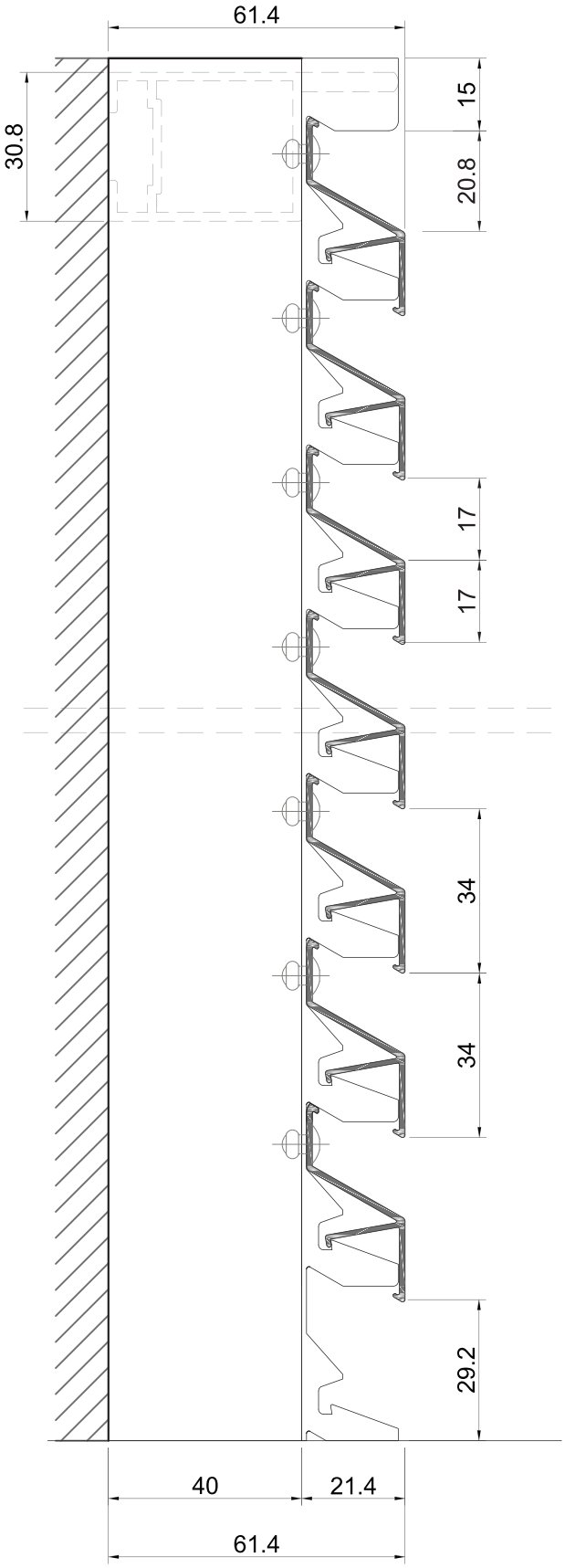
SISTEMA QS REVESTIMENTO - COM LÂMINA LS.38 + SUPORTE LS.44



LÂMINA LS.38

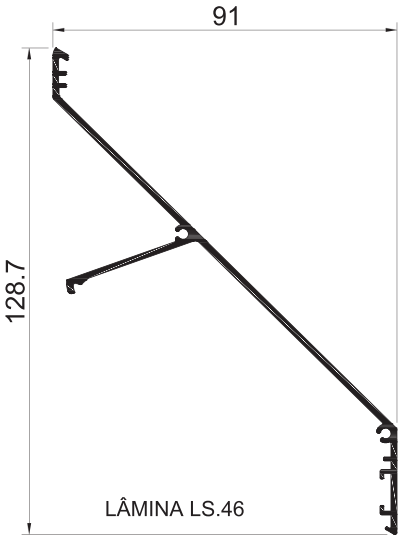


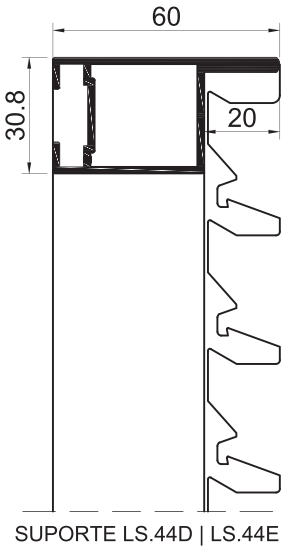
SUPORTE LS.44D | LS.44E

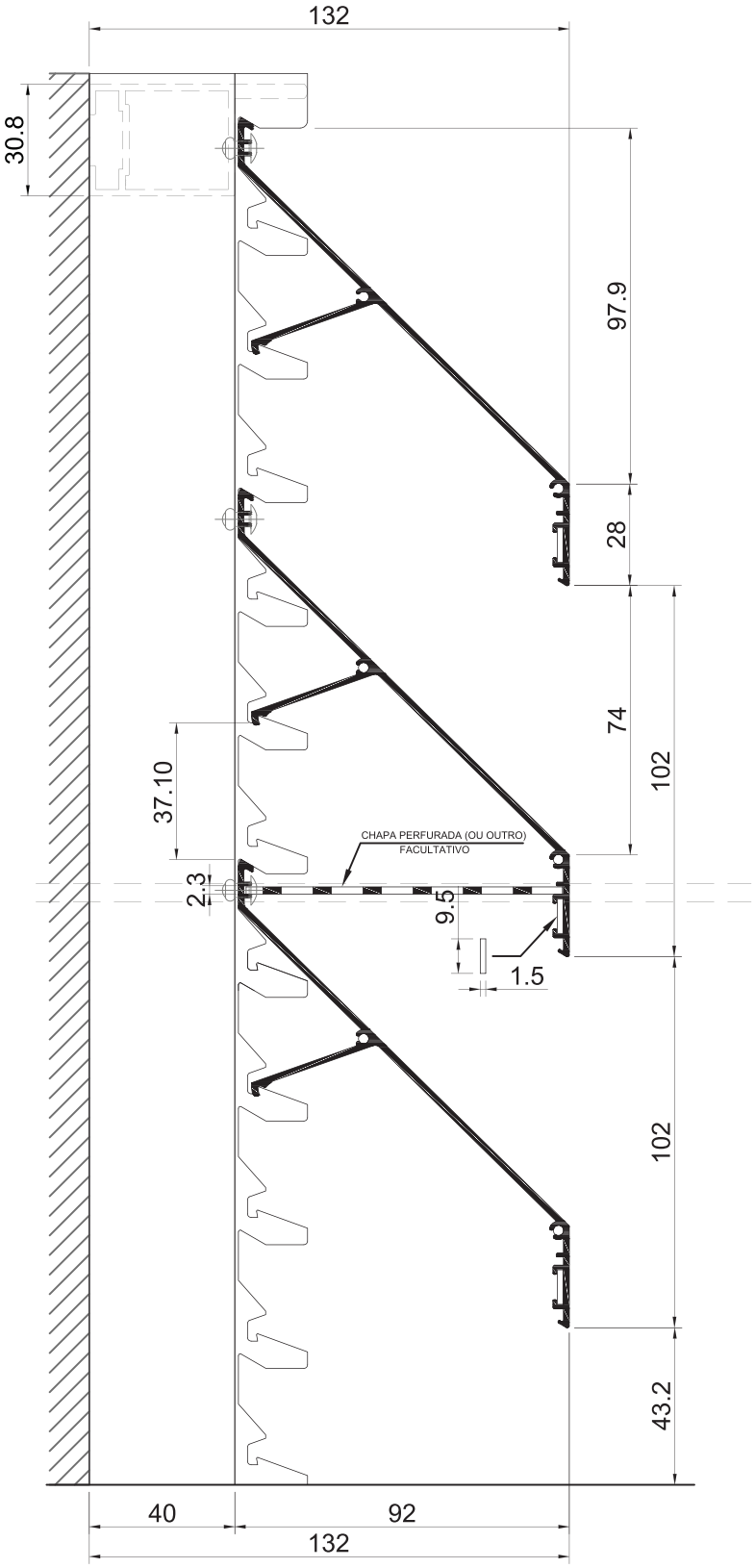


SISTEMA LS REVESTIMENTO - COM LÂMINA LS.46 + SUPORTE LS.44

- Passo entre lâminas: 102mm

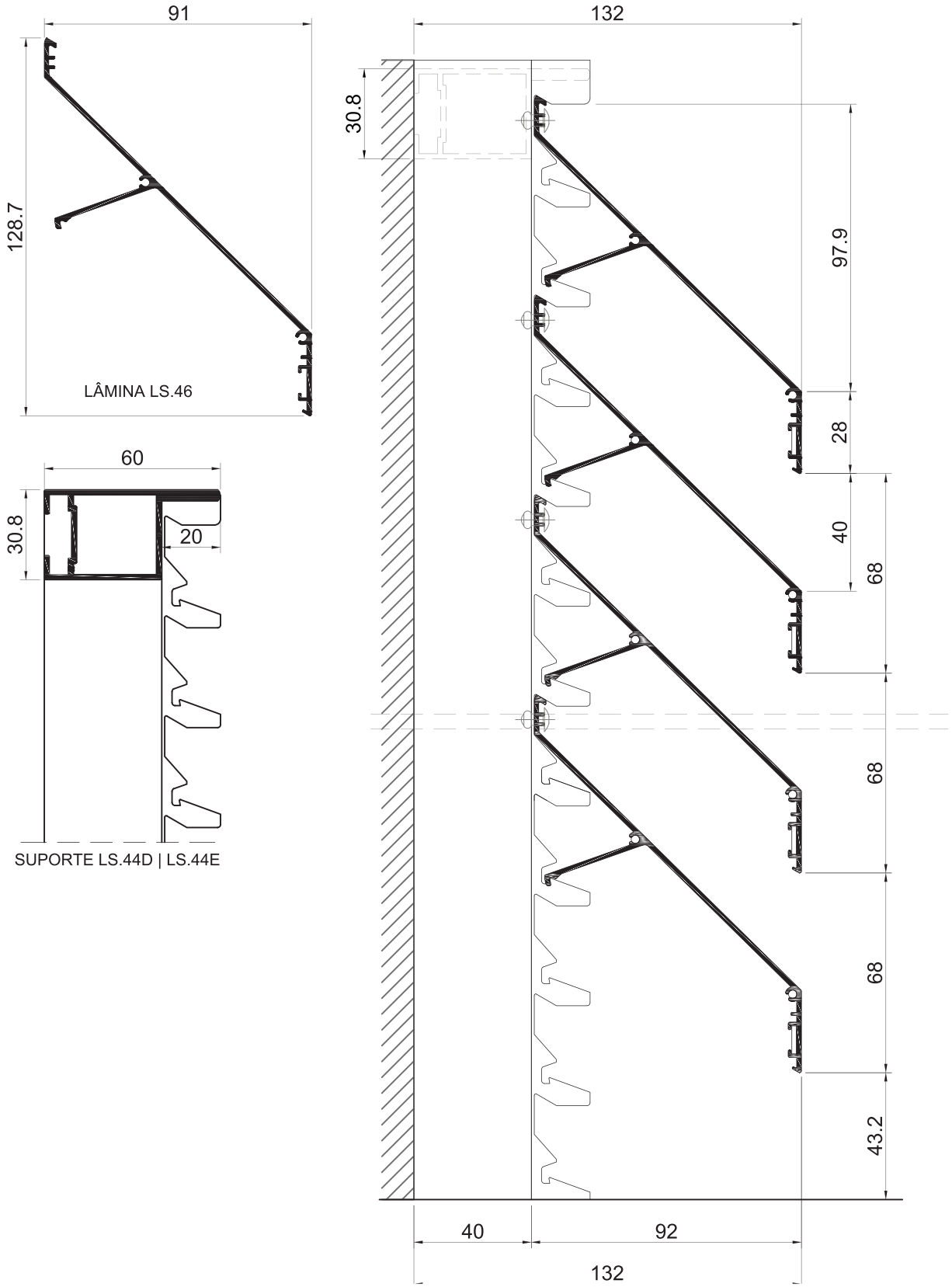






SISTEMA LS REVESTIMENTO - COM LÂMINA LS.46 + SUPORTE LS.44

- Passo entre lâminas: 68mm



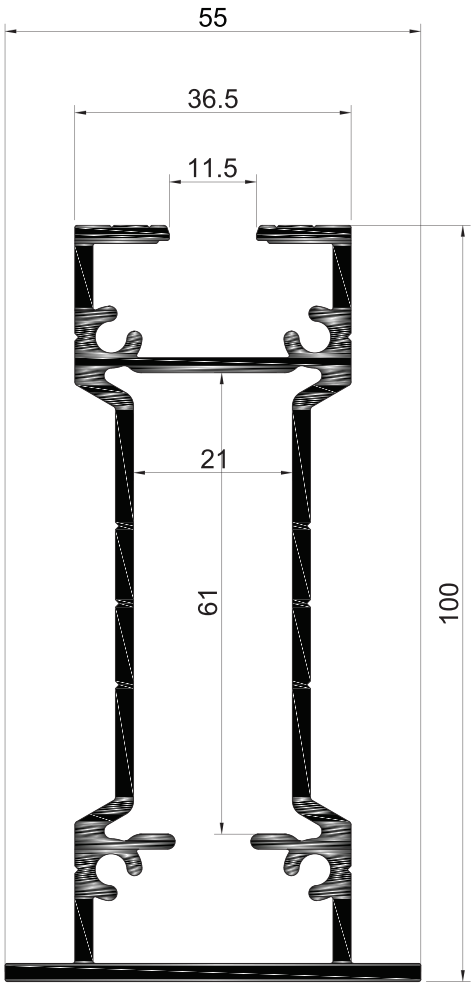
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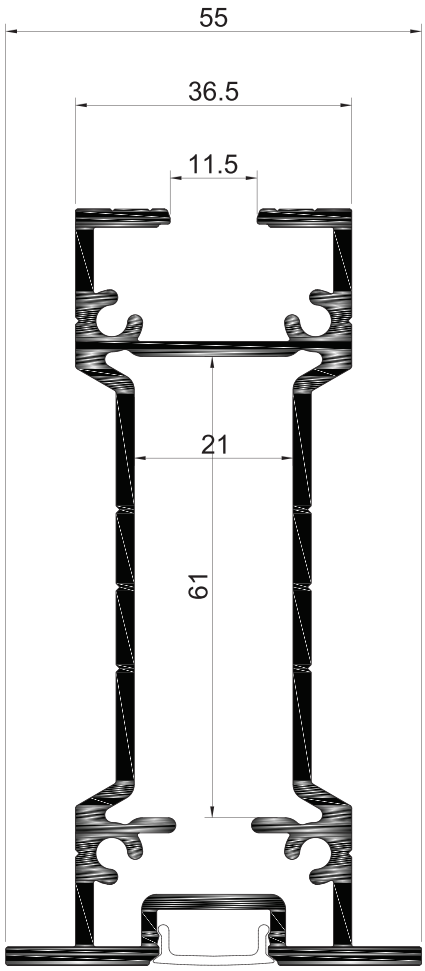


LÂMINAS PROJETADAS

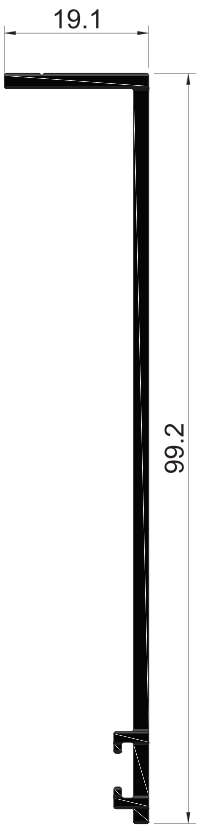
LS.50 *Montante*



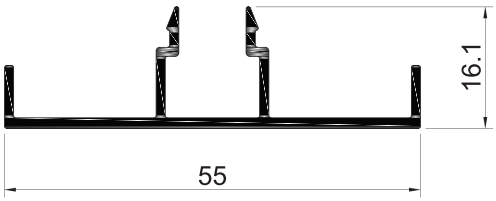
LS.51 *Montante P/ LED*



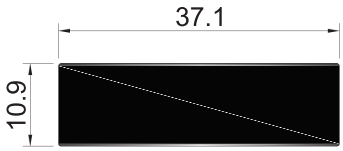
LS.52 *Apoio Lâmina / Remate*



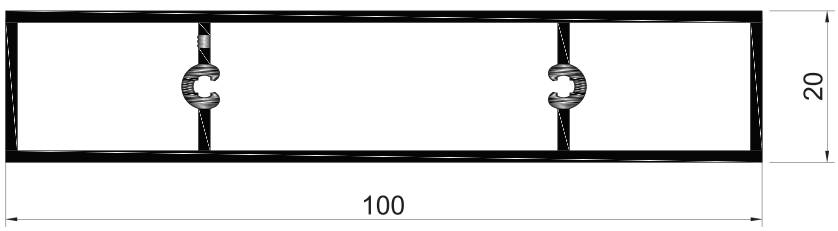
LS.53 *Tampa*

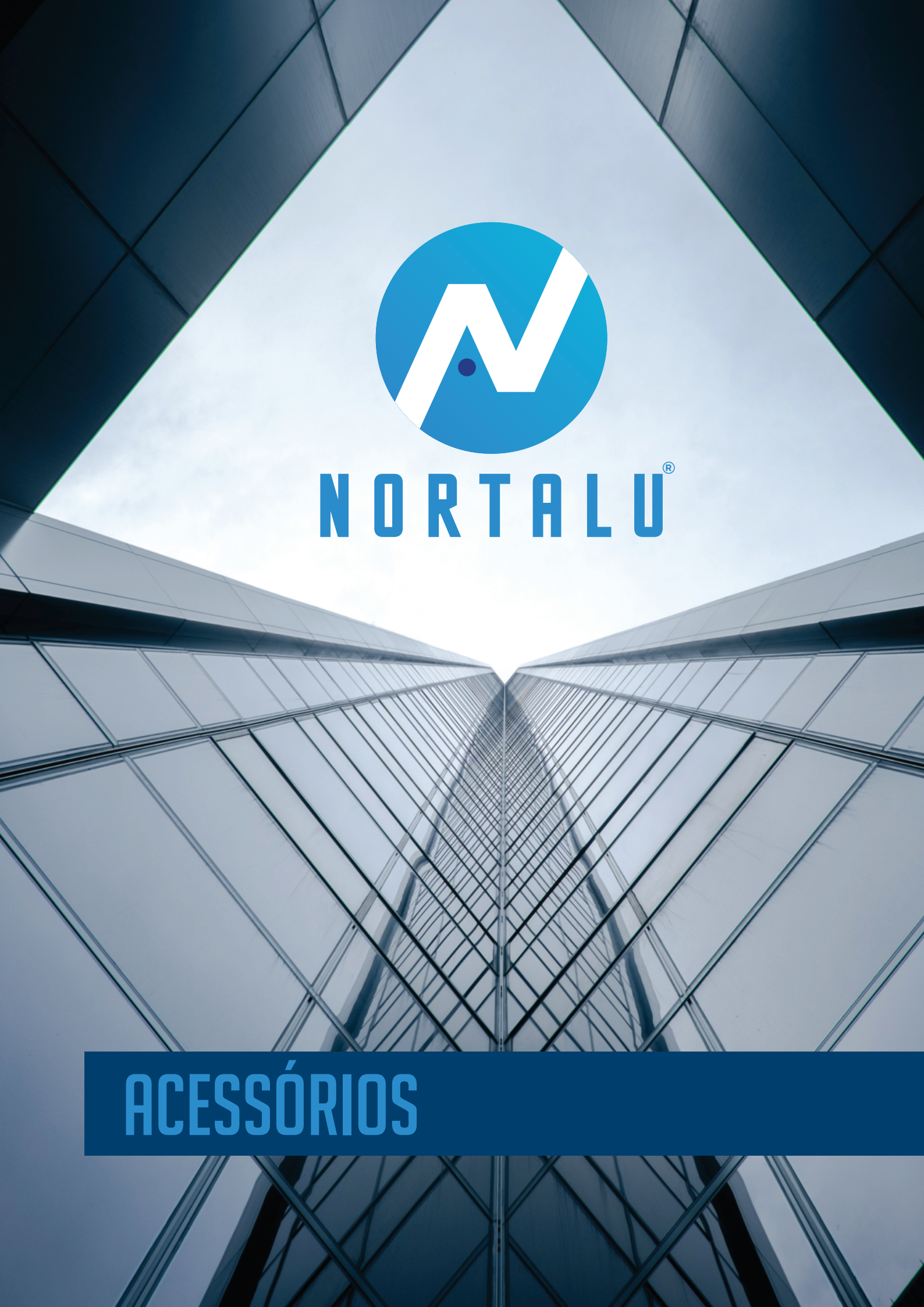


B.52 *Barra Maciça 37,1*10,9mm*



LS.54 *Lâmina*

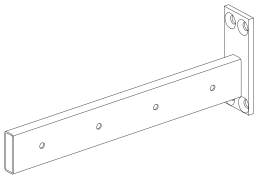
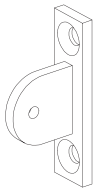
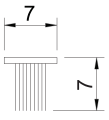
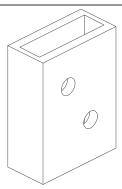




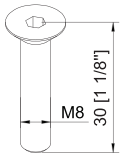
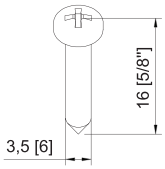
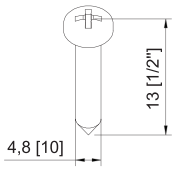
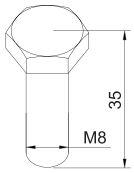
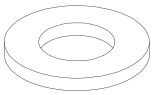
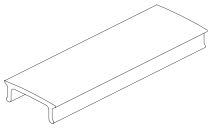
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ACESSÓRIOS

Acessórios LS - Palas de Sombreamento

Referência	Desenho	Designação	Observações
215061		Peça de Lig. Montante / Tirante Furos passantes	**Material: Alumínio** **Acabamentos: Anodizados e Lacados**
215062		Peça Lig. Montante / Tirante Furos Escareados	**Material: Alumínio** **Acabamentos: Anodizados e Lacados**
215063		Peça Lig. Montante / Tirante Furos Roscados	**Material: Alumínio** **Acabamentos: Anodizados e Lacados**
210171		Topo LS.50	Fixar com 1 parafuso Ref. 290111 **Material: Alumínio** **Acabamentos: Anodizados e Lacados**
215065		Peça de Fixação Montante/Parede Nº2 INOX	**Material: Inox** **Acabamento: Bruto ou Lacados**
215064		Peça de Fixação Tirante/Parede Nº2 INOX	**Material: Inox** **Acabamento: Bruto ou Lacados**
208458 208467		Pelúcia 7*7 Cinza Pelúcia 7*7 Preta	
215066		Peça Enchimento P/ Lig. Montante/Tirante Nº2	**Material: ABS | Acabamento: Preto**

Acessórios LS - Palas de Sombreamento

Referência	Desenho	Designação	Observações
290456		Parafuso Sext. Int. M8*30 INOX	Material: Inox Acabamentos: Inox
290476		Parafuso DIN7981 PH 3,5*16 INOX A2	Material: Inox Acabamentos: Inox
290744		Parafuso PKI PH ½*10 CQ	Material: Inox Acabamentos: Inox
290071		Parafuso Sext. Ext. DIN933 M8*35 Inox A2	Material: Inox Acabamentos: Inox
217113		Anilha Plana DIN125 M8 Inox A2	Material: Inox Acabamentos: Inox
270017		Porca Nyloc DIN985 M8 A2	Para descarga de água direta ou sem descarga Para ligar peças de tensionadores Material: Inox Acabamentos: Inox
215995		Perfil Difusor LED PP 2118	Barra: 4m Aplicar no perfil LS.51



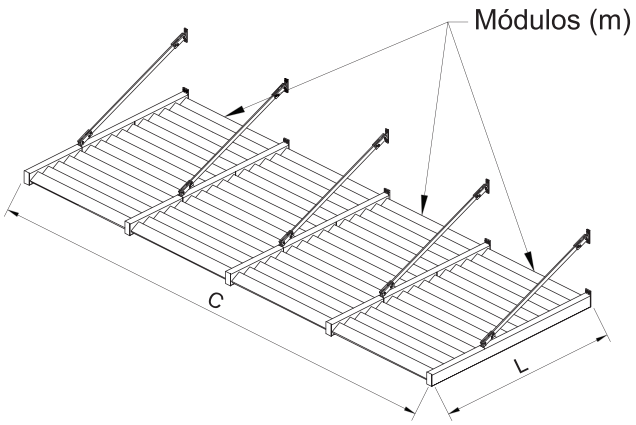
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PORMENORES TÉCNICOS

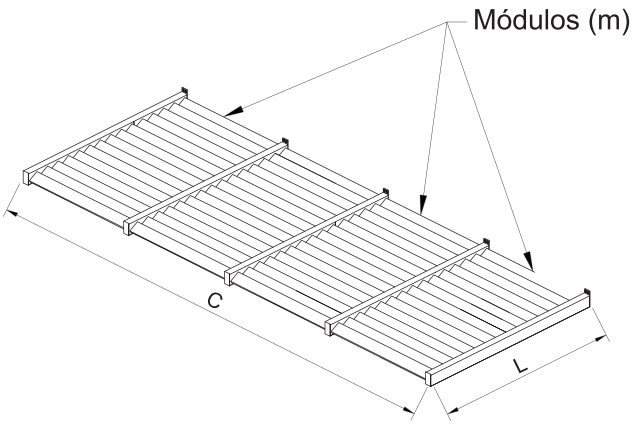
SOLUÇÃO LÂMINAS PROJETADAS - CxL (nº de módulos = m)

	MEDIDAS MÁXIMAS
LS.50	L = 2000mm (com tirante)
LS.50	L = 1400mm (sem tirante)
LS.54	1800 mm

SOLUÇÃO COM TIRANTE



SOLUÇÃO SEM TIRANTE



CÓDIGO	PERFIS			
	DESIGNAÇÃO	MEDIDA DE CORTE	QUANT.	CORTE
LS.50	MONTANTE	L	m+1	
LS.53	TAMPA	L	m+1	
LS.52	PERFIL DE REMATE	L	(2xm)+2	
LS.54	LÂMINA	[C-(55x(m+1)]/m	Variável	
B.52	TIRANTE	Variável	(m+1)	

PERFIS				
CÓDIGO	DESIGNAÇÃO	MEDIDA DE CORTE	QUANT.	CORTE
LS.50	MONTANTE	L	m+1	
LS.53	TAMPA	L	m+1	
LS.52	PERFIL DE REMATE	L	(2xm)+2	
LS.54	LÂMINA	[C-(55x(m+1)]/m	Variável	

ACESSÓRIOS		
CÓDIGO	DESIGNAÇÃO	QUANTIDADE
215061	PEÇA LIG. MONTANTE/TIRANTE F. PASSANTES	(m+1)
215062	PEÇA LIG. MONTANTE/TIRANTE F. ESCAREADOS	2 x (m+1)
215063	PEÇA LIG. MONTANTE/TIRANTE F. ROSCADOS	2 x (m+1)
290456	PARAFUSO SEXT. INT. M8X30 INOX (6x tirante)	6 x (m+1)
215064	PEÇA FIXAÇÃO TIRANTE/PAREDE Nº2	(m+1)
215065	PEÇA DE FIXAÇÃO MONTANTE/PAREDE Nº2	(m+1)
210171	TOPO QS 20 Nº2	(m+1)
290111	PARAFUSO CQ 4,2X13 INOX A2 (1x topo)	(m+1)
290744	PF PKI PH 1/2x10 CQ (1m/1m QS 22 perfil apoio)	Variável
290744	PF PKI PH 1/2x10 CQ (2m/2m QS 22 perfil remate)	Variável
290476	PF DIN7981 PH 3,5x16 A2 (4x lâmina)	Variável
217113	ANILHA PLANA DIN125 M8 A2 (8x tirante)	6 x (m+1)
290071	PF SXT. EXT. DIN933 M8x35 A2 (6x tirante)	6 x (m+1)
270017	PORCA NYLOC DIN985 M8 A2 (6x tirante)	6 x (m+1)
215066	PEÇA ENCH. P/LIG. MONT./TIR. Nº2 (1x tirante)	(m+1)

NOTA: m é o número de módulos.

ACESSÓRIOS		
CÓDIGO	DESIGNAÇÃO	QUANTIDADE
215065	PEÇA FIXAÇÃO MONTANTE/PAREDE Nº2	(m+1)
210171	TOPO QS 20 Nº2	(m+1)
290111	PARAFUSO CQ 4,2X13 INOX A2 (1x topo)	(m+1)
290744	PF PKI PH 1/2x10 CQ (1m/1m QS 22 perfil apoio)	Variável
290744	PF PKI PH 1/2x10 CQ (2m/2m QS 22 perfil remate)	Variável
290476	PF DIN7981 PH 3,5x16 A2 (4x lâmina)	Variável
290071	PFSEXT.EXT.DIN933 M8X35 INOX A2 (4xfix.mon/par nº2)	4 x (m+1)
270017	PORCA NYLOC DIN985 M8 A2 (4xfix.mon/par nº2)	4 x (m+1)
217113	ANILHA PLANA DIN125 M8 INOX A2 (4xfix.mon/par nº2)	4 x (m+1)

NOTA: m é o número de módulos.

CÓDIGO	VEDANTES	
	DESIGNAÇÃO	QUANTIDADE
208467	PELÚCIA 7X7	L x 2(m+1)

CÓDIGO	VEDANTES	
	DESIGNAÇÃO	
208467	PELÚCIA 7X7	L x 2(m+1)

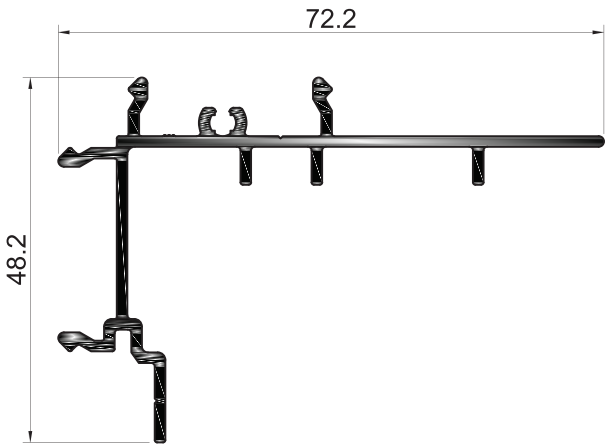
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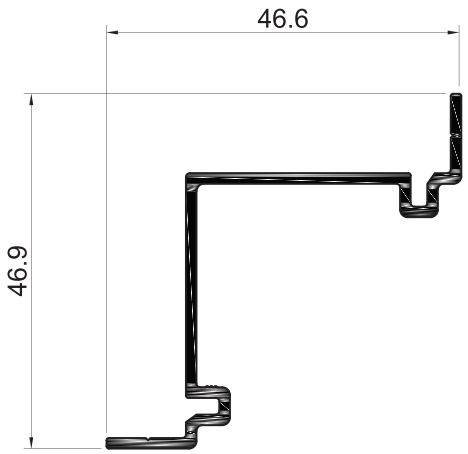


REVESTIMENTO DECORATIVO

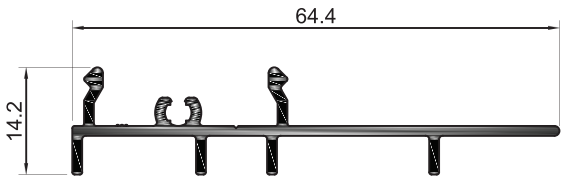
LS.60 *Perfil P/ Cantos*



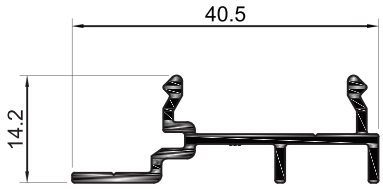
LS.61 *Perfil P/ Cantos*



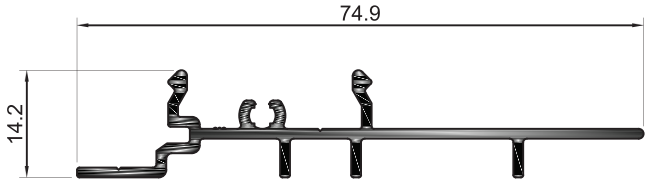
LS.62 *Perfil para fixação*



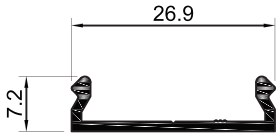
LS.63 *Perfil para fixação*



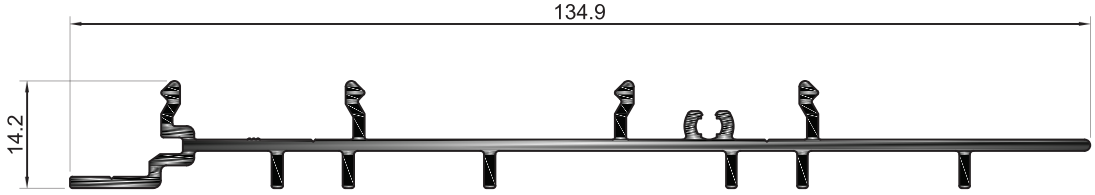
LS.64 *Perfil para fixação*



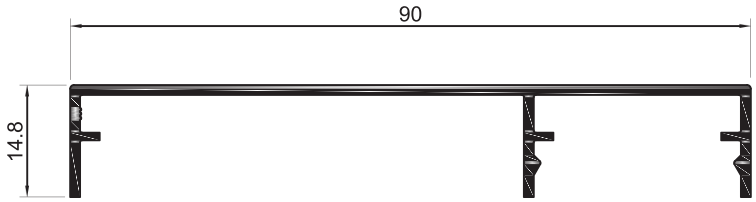
LS.65 *Perfil para fixação*



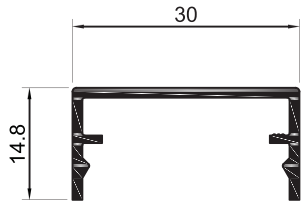
LS.66 *Perfil para fixação*



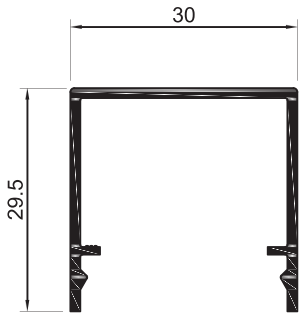
LS.67 *Capa 90x15*



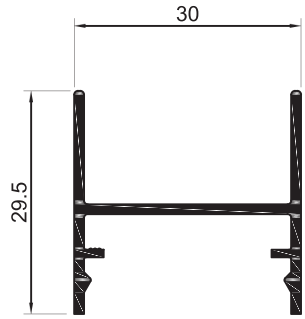
LS.68 *Capa 30x15*



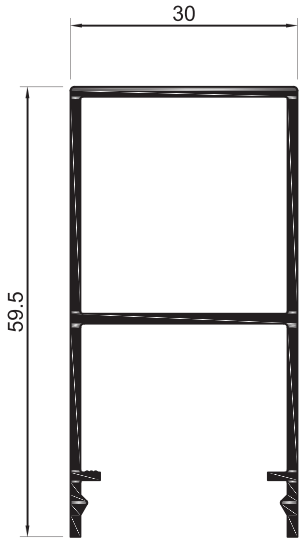
LS.69 *Capa 30x30*



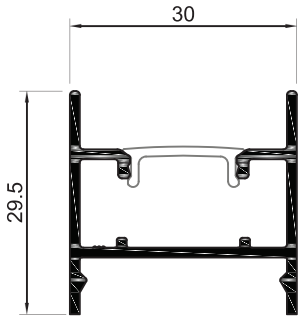
LS.70 *Capa 30x30 H*



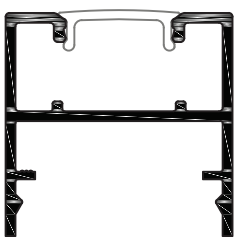
LS.71 *Capa 30x60*



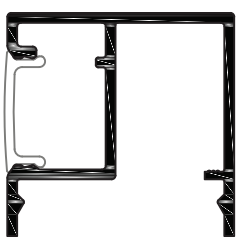
LS.72 *Capa 30x30 Hled*



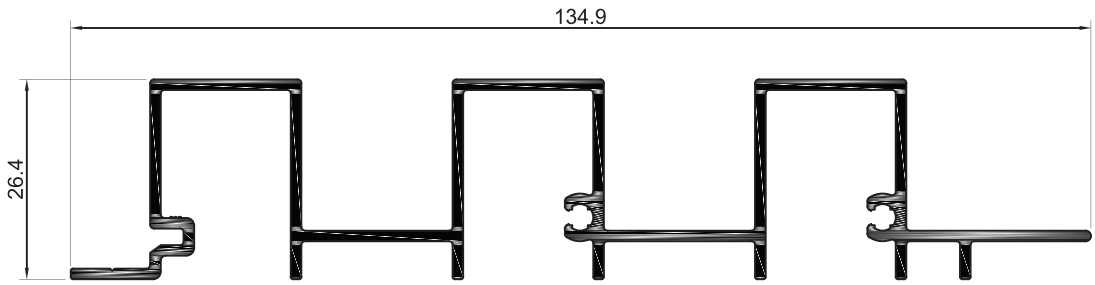
LS.73 *Capa 30x30 Qled*



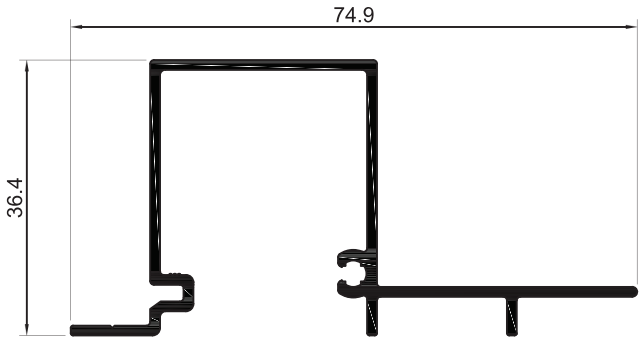
LS.74 *Capa 30x30 Qled-L*



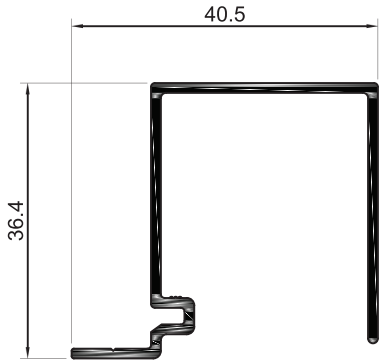
LS.75 *Capa 135x20*



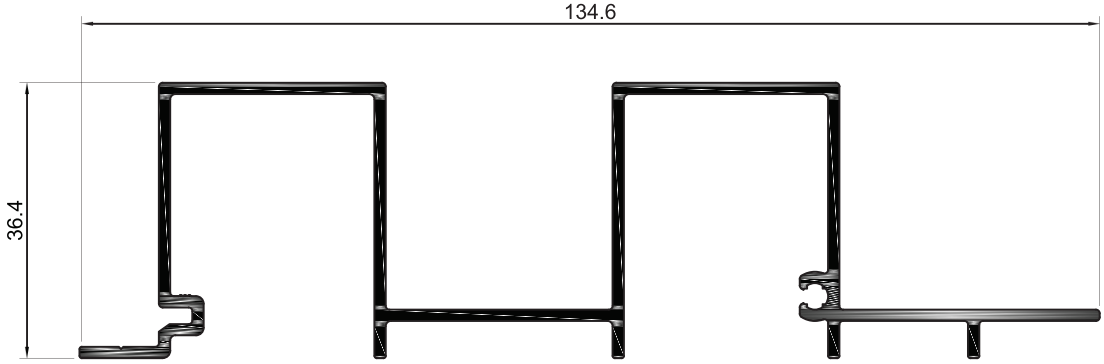
LS.76 *Capa 75x30*



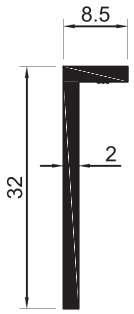
LS.77 *Capa para cantos*



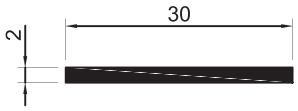
LS.78 *Capa 135x30*



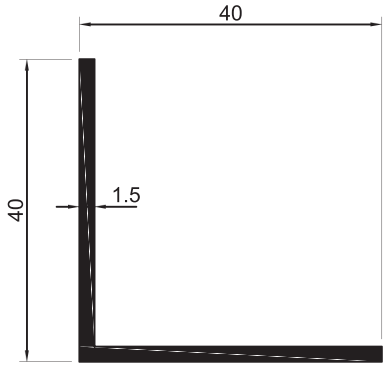
LS.79 *Perfil complementar*



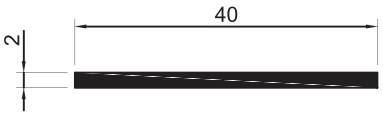
B.09 *Perfil complementar*



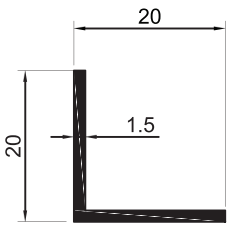
L.08 *Perfil complementar*



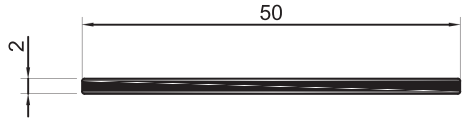
B.82 *Perfil complementar*



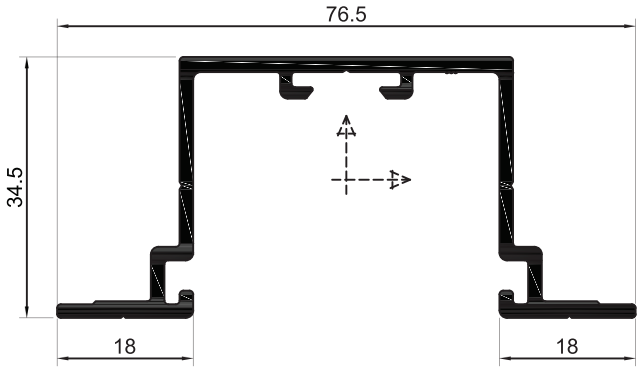
L.04 *Perfil complementar*



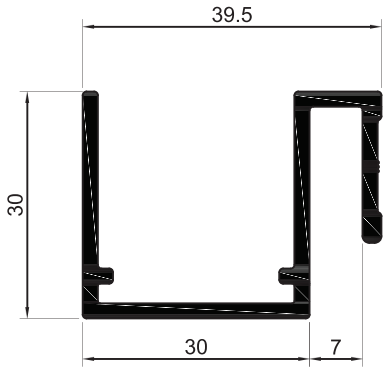
B.83 *Perfil complementar*



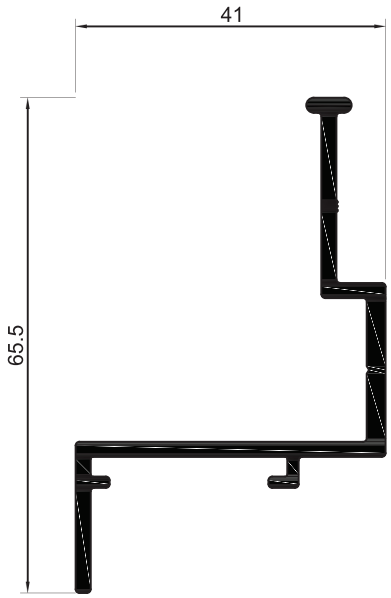
LS.80 *Perfil fixação para painel compósito*
(Perfil anodizado - Preto ou Natural)

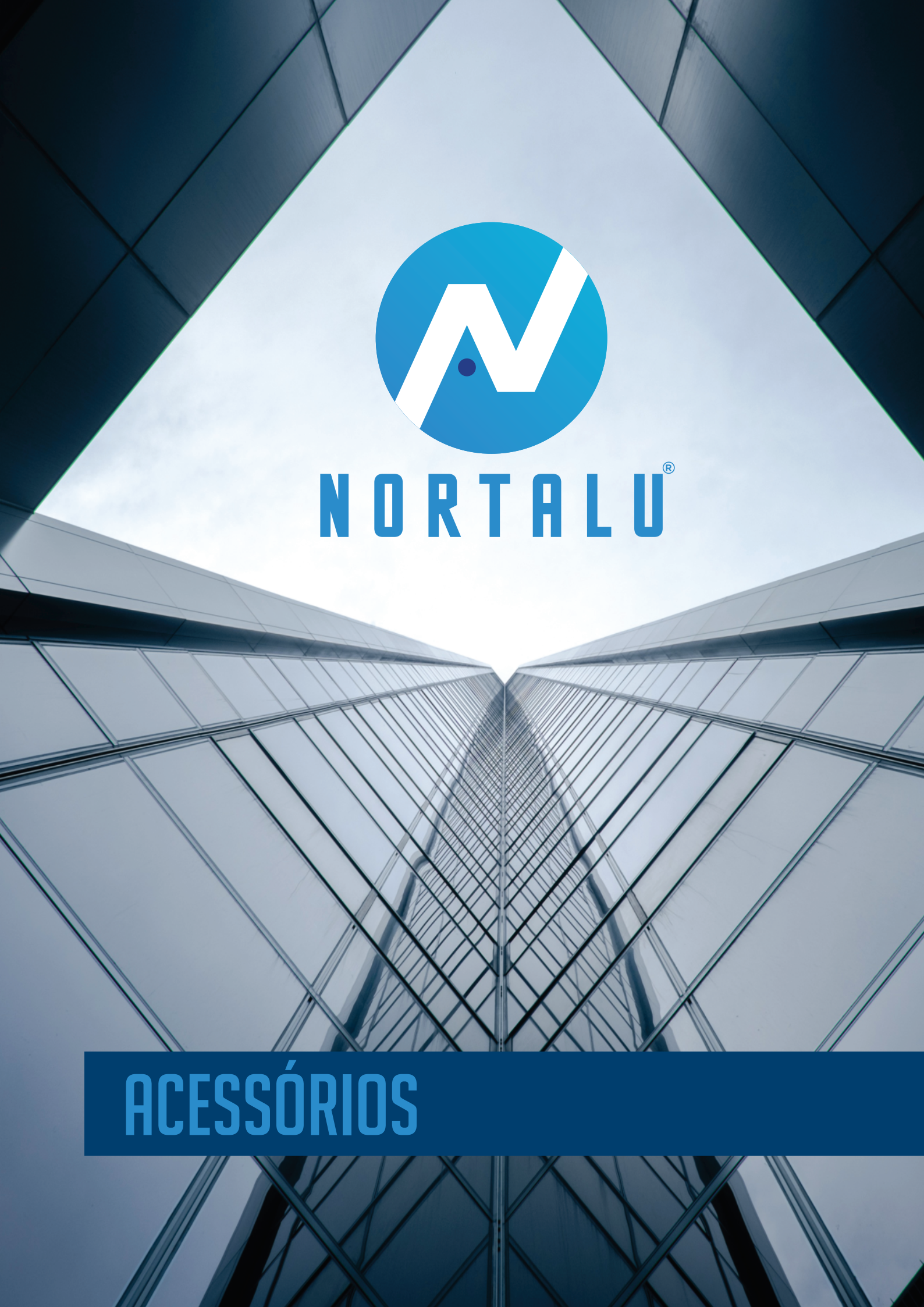


LS.81 *Perfil fixação para painel compósito*
(Perfil anodizado - Preto ou Natural)



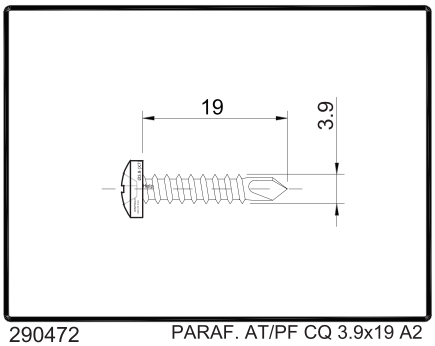
LS.82 *Perfil fixação para painel compósito*
(Perfil anodizado - Preto ou Natural)



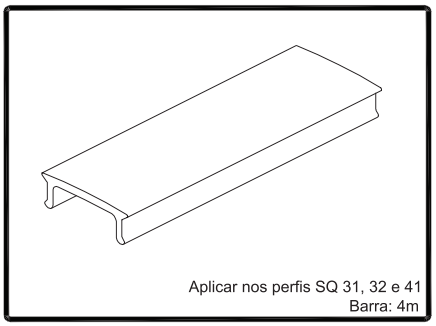


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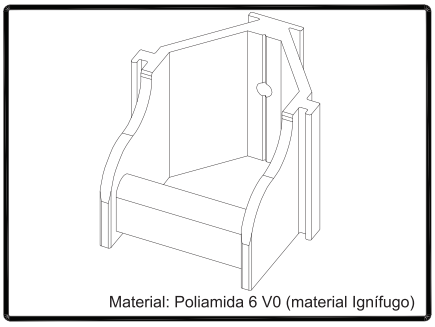
ACESSÓRIOS



290472 PARAF. AT/PF CQ 3.9x19 A2



215995 PERFIL DIFUSOR LED PP 2118



230283 SUPORTE EM POLIAM. VO P/PAINEL

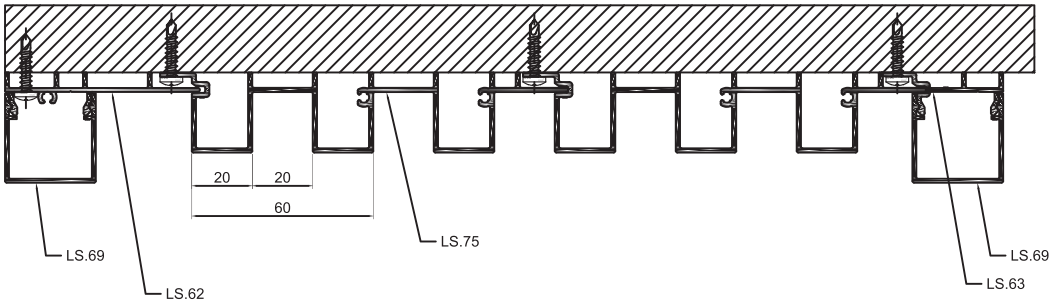


NORTALU®

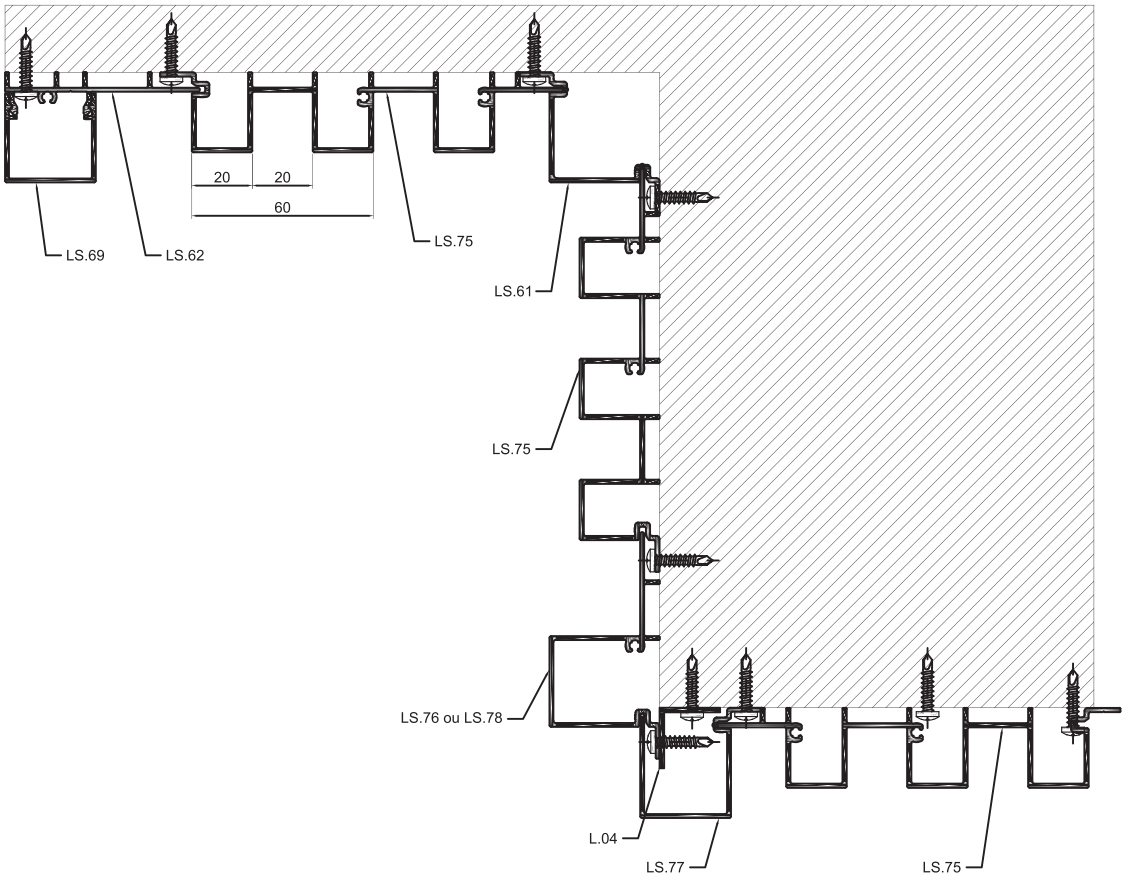
PORMENORES TÉCNICOS

APLICAÇÃO DO REVESTIMENTO - COM CAPAS DECORATIVAS DE FIXAÇÃO DIRETA

FIXAÇÃO À PAREDE

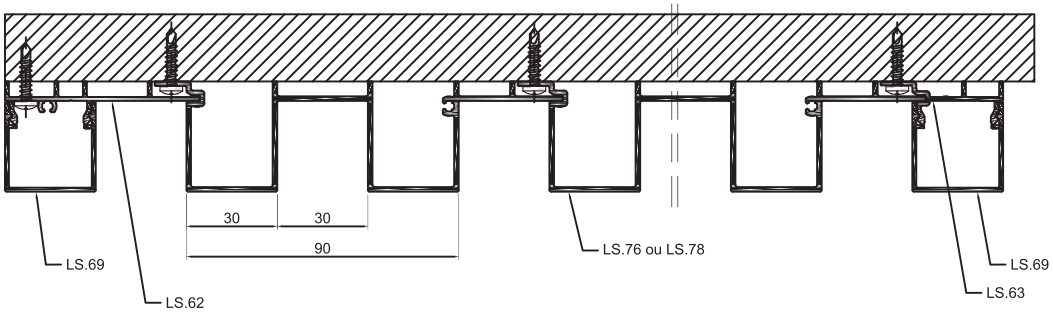


FIXAÇÃO À PAREDE - SOLUÇÃO DE CANTO

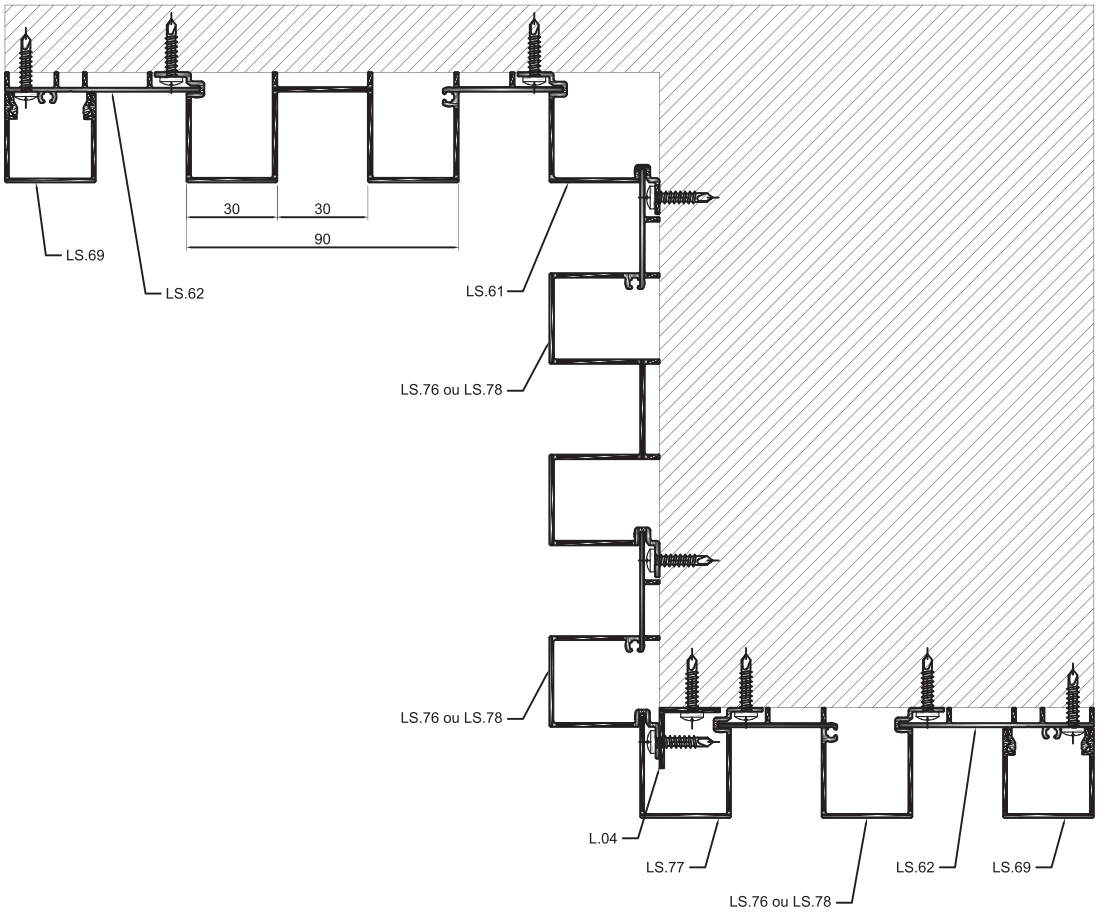


APLICAÇÃO DO REVESTIMENTO - COM CAPAS DECORATIVAS DE FIXAÇÃO DIRETA

FIXAÇÃO À PAREDE

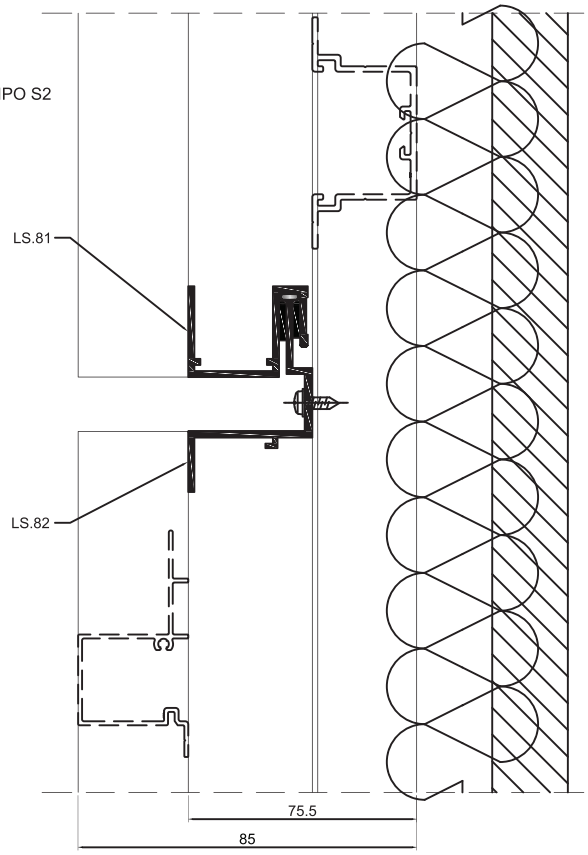


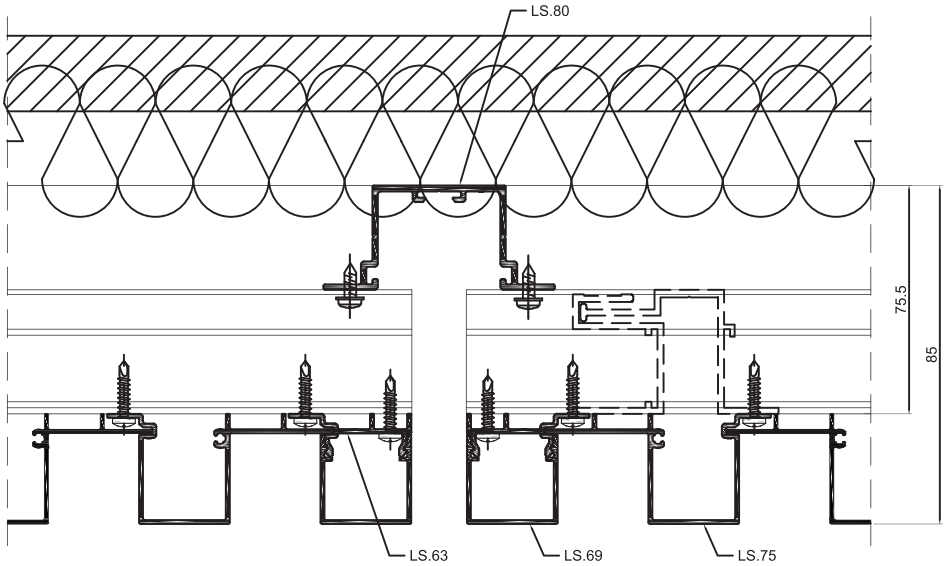
FIXAÇÃO À PAREDE - SOLUÇÃO DE CANTO



APLICAÇÃO DO REVESTIMENTO - COM CAPAS DECORATIVAS DE FIXAÇÃO DIRETA

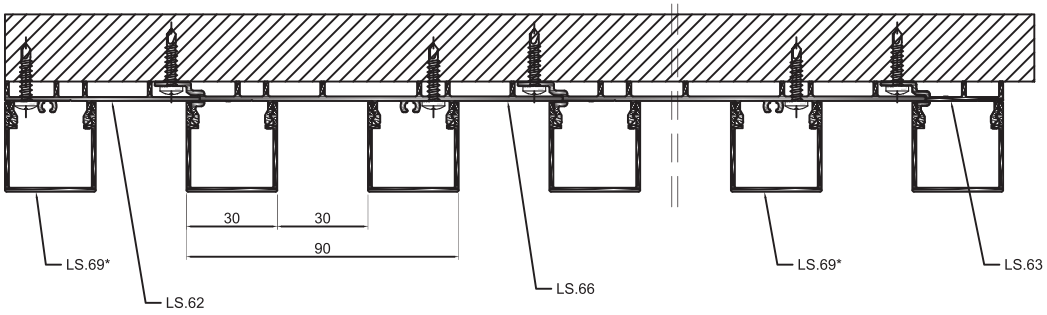
APLICAÇÃO DO REVESTIMENTO EM FACHADA VENTILADA - TIPO S2



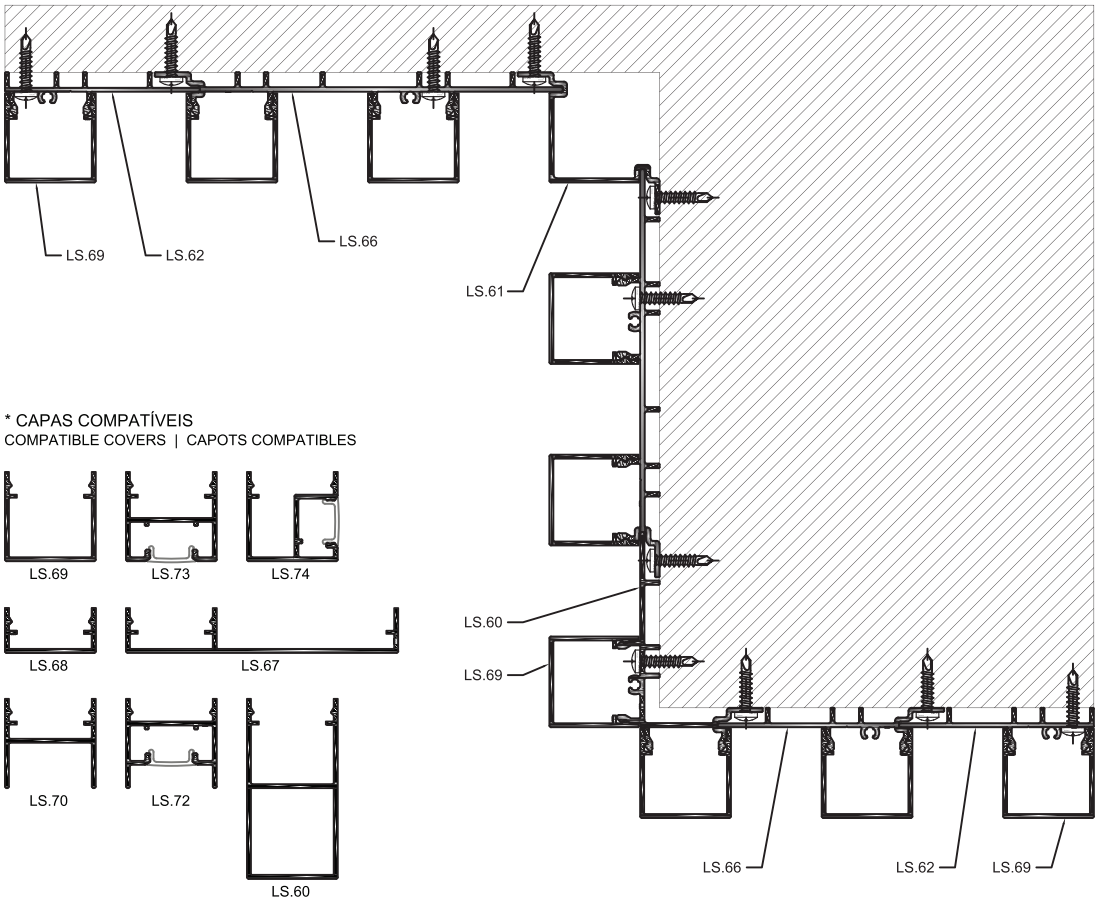


APLICAÇÃO DO REVESTIMENTO - COM CAPAS DECORATIVAS + PERFIS DE FIXAÇÃO

FIXAÇÃO À PAREDE



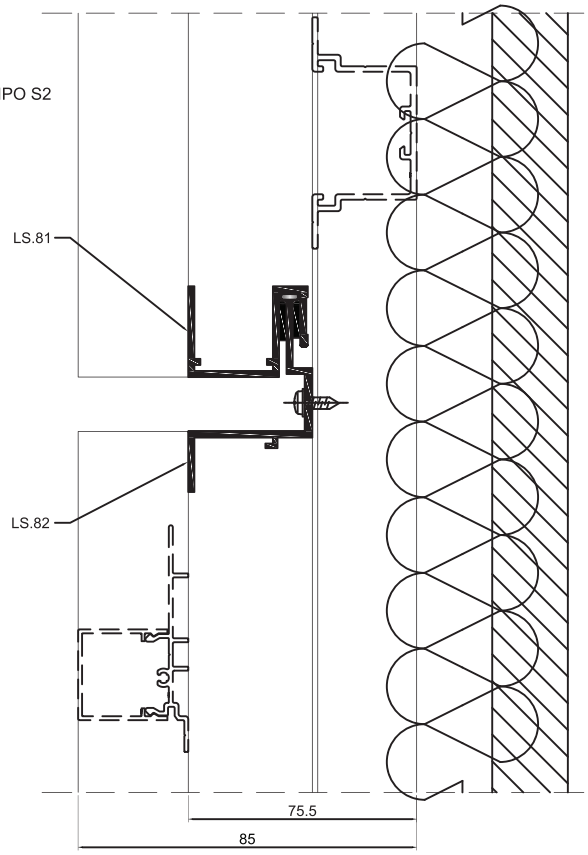
FIXAÇÃO À PAREDE - SOLUÇÃO DE CANTO

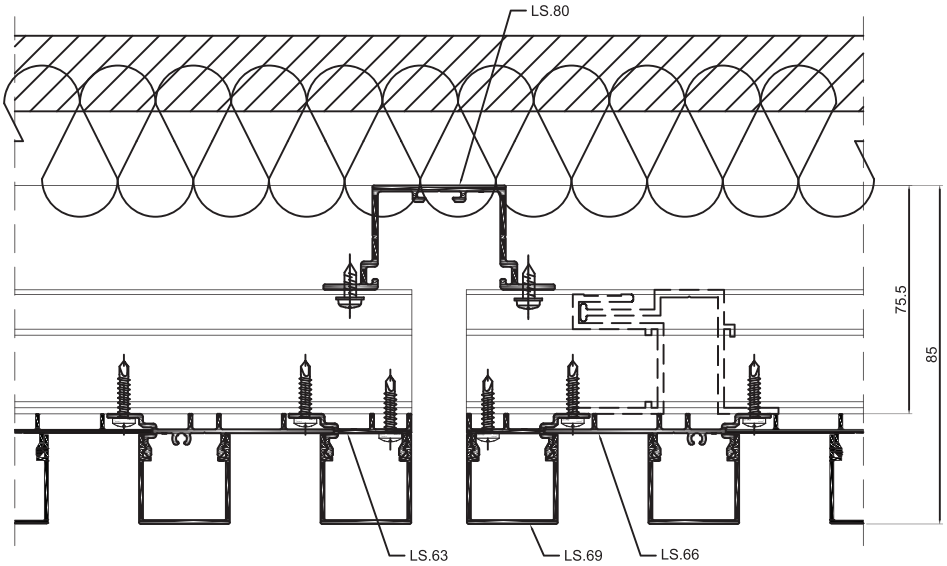


* CAPAS COMPATÍVEIS
COMPATIBLE COVERS | CAPOTS COMPATIBLES

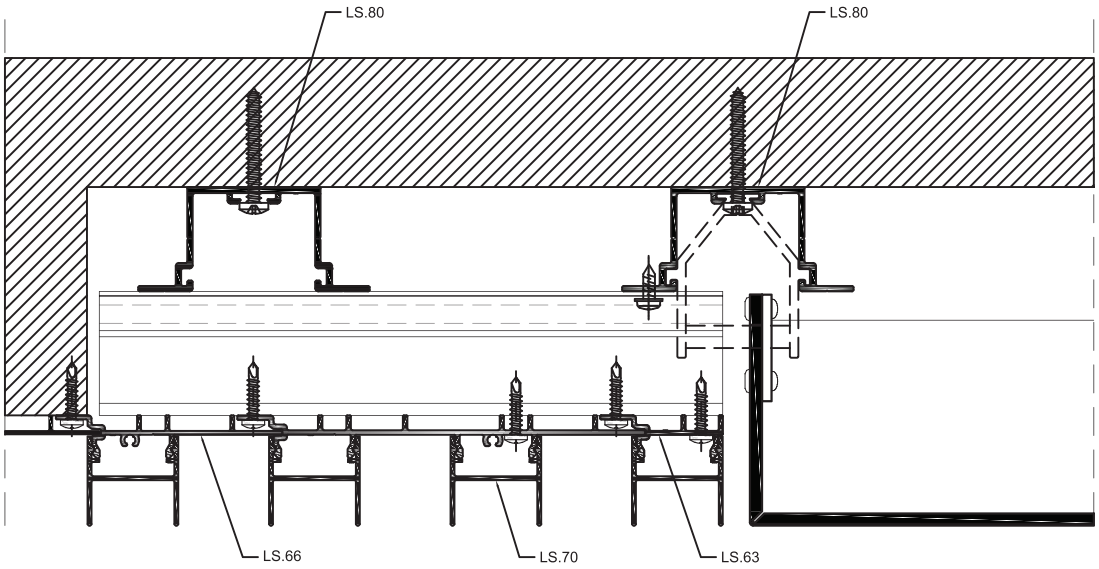
APLICAÇÃO DO REVESTIMENTO - COM CAPAS DECORATIVAS + PERFIS DE FIXAÇÃO

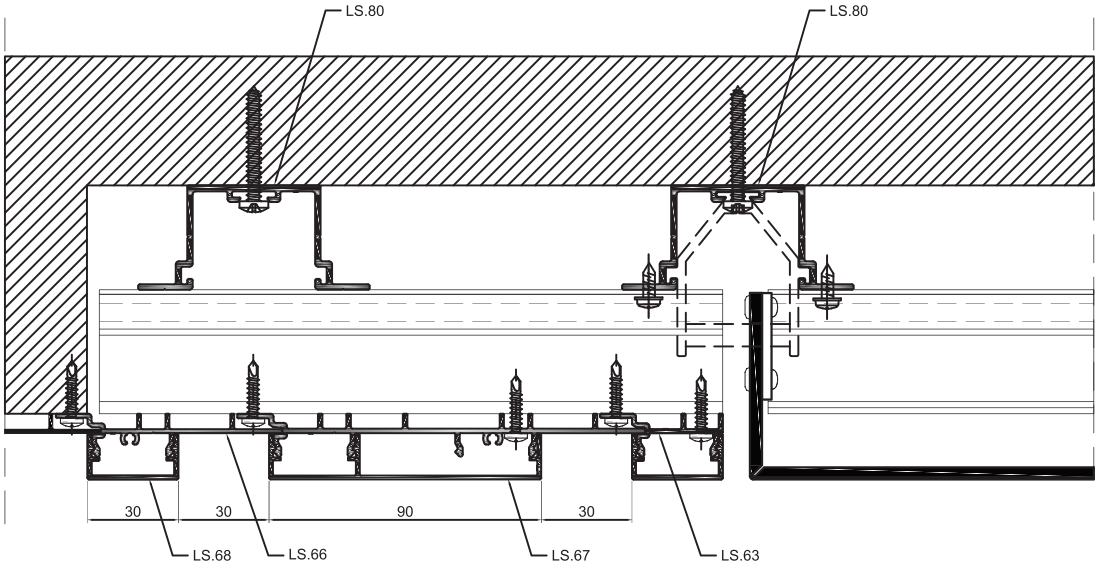
APLICAÇÃO DO REVESTIMENTO EM FACHADA VENTILADA - TIPO S2



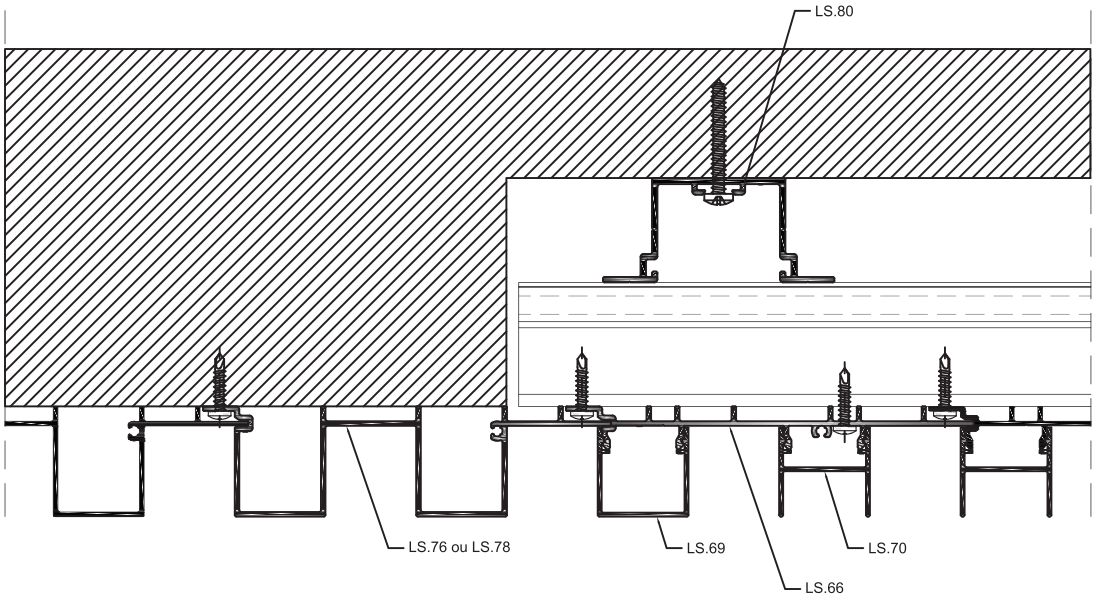


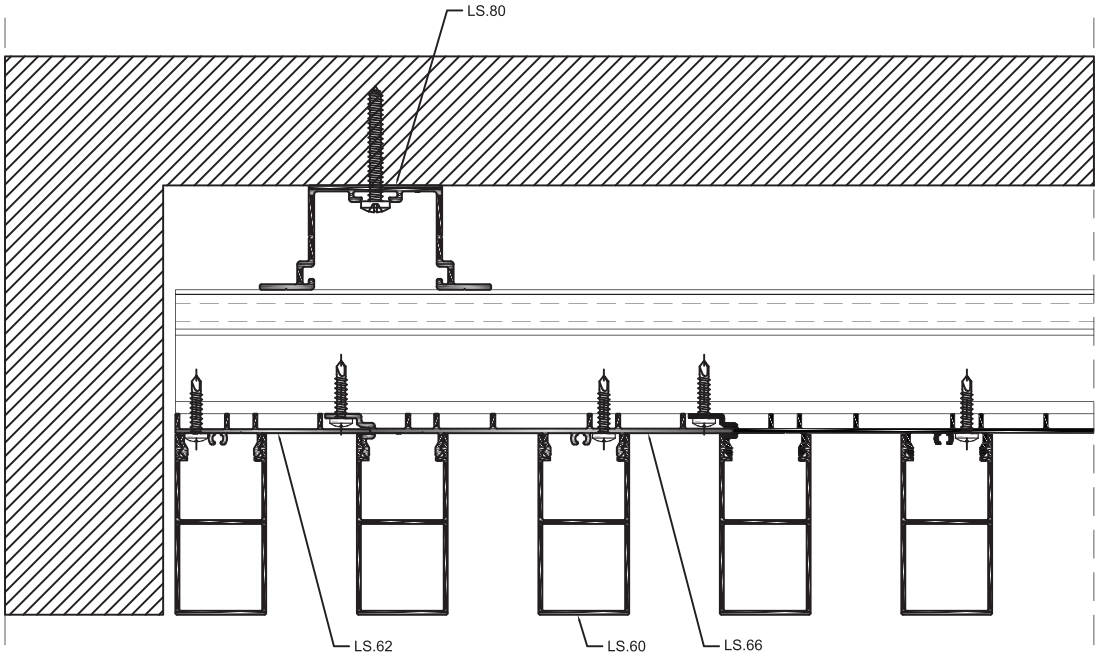
APLICAÇÃO DO REVESTIMENTO - COMPATIBILIZAÇÃO COM PAINEL COMPÓSITO



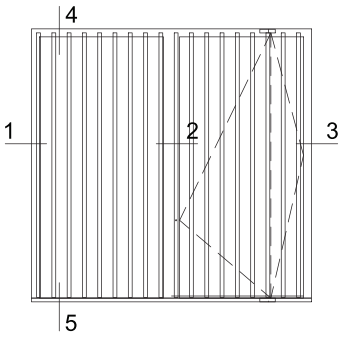


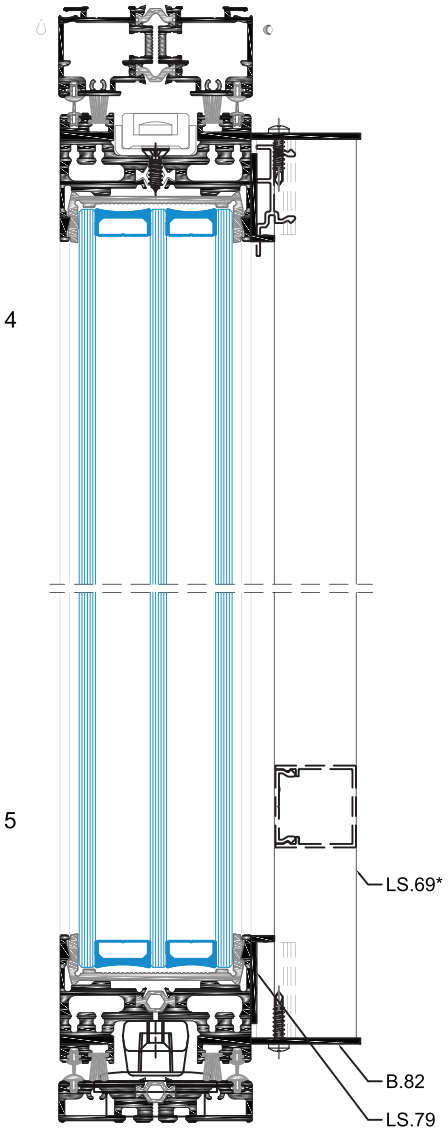
APLICAÇÃO DO REVESTIMENTO - COMPATIBILIZAÇÃO COM PAINEL COMPÓSITO



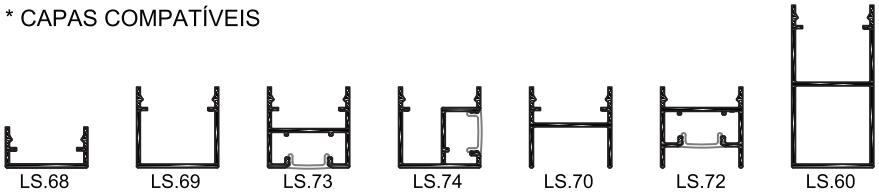


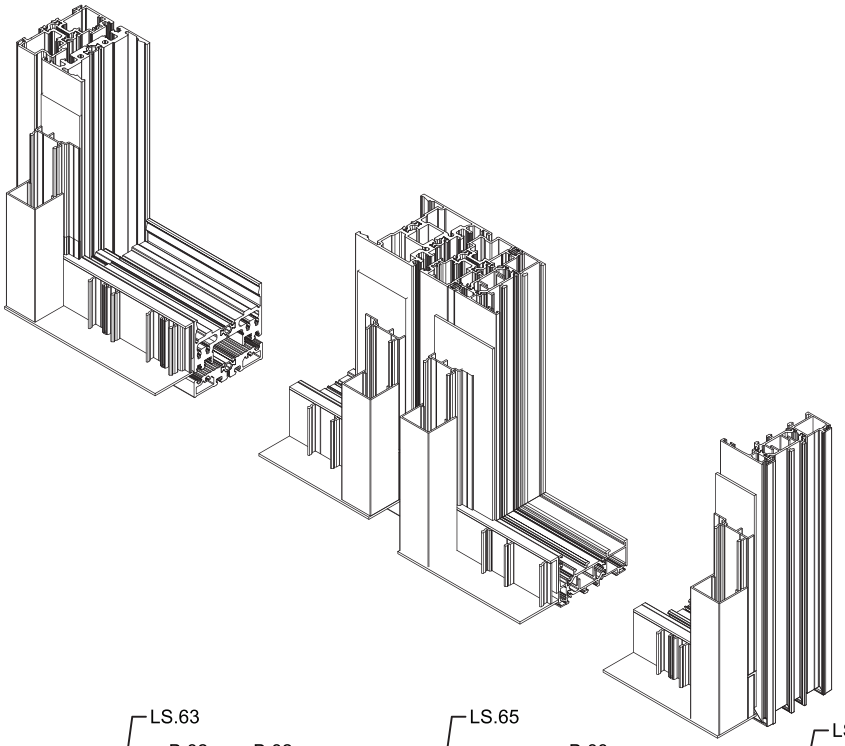
APLICAÇÃO DO REVESTIMENTO - COMPATIBILIZAÇÃO COM VÃOS ENVIDRAÇADOS

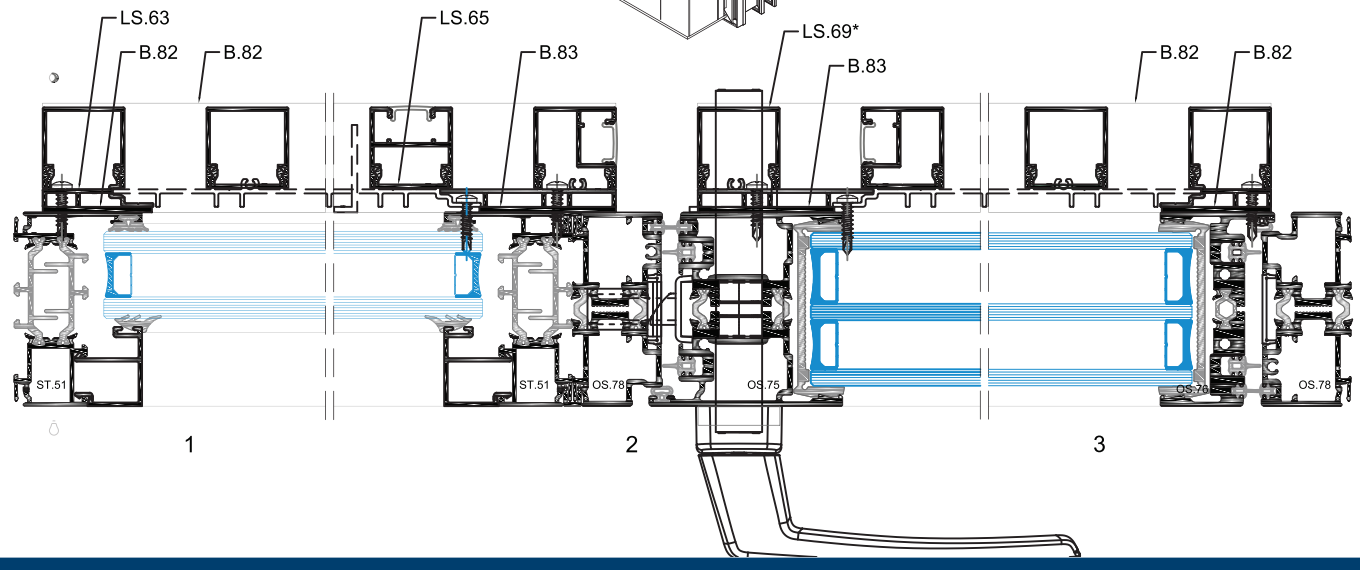




* CAPAS COMPATÍVEIS







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