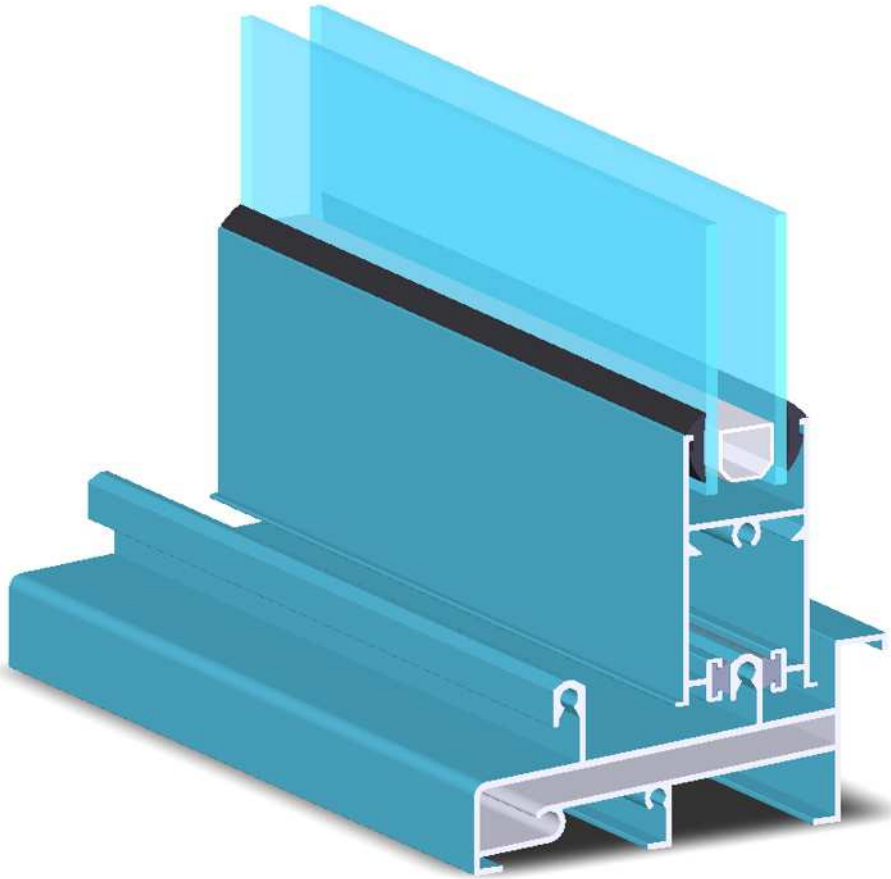
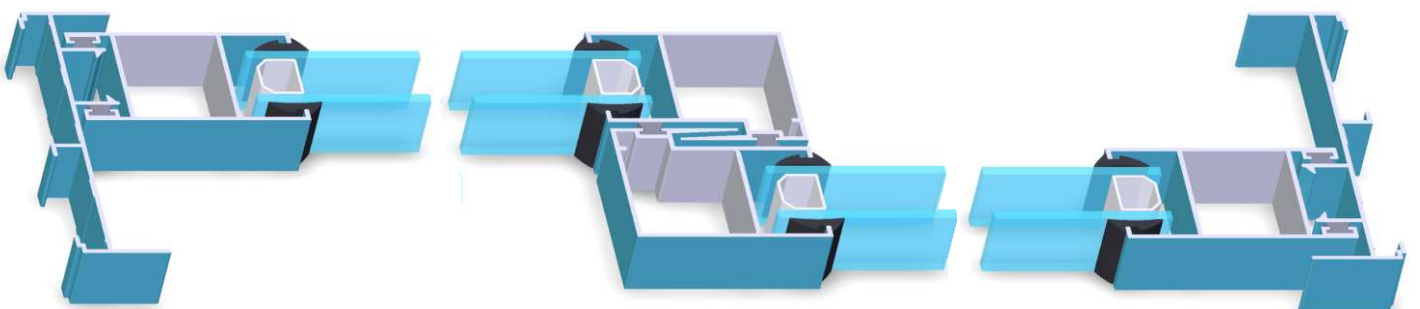




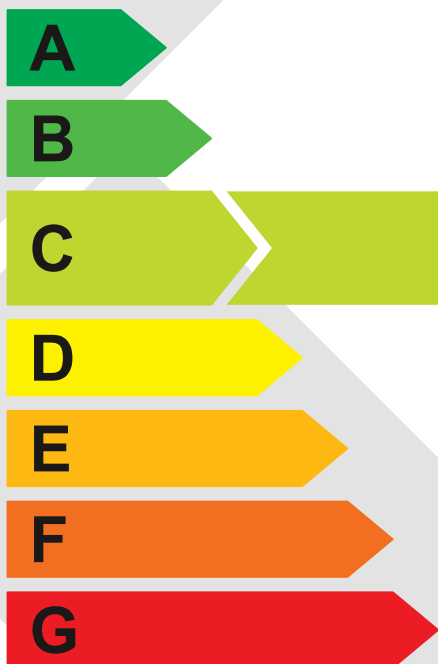
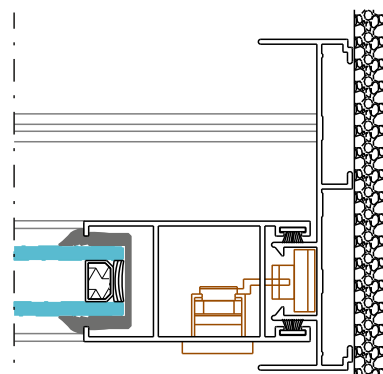
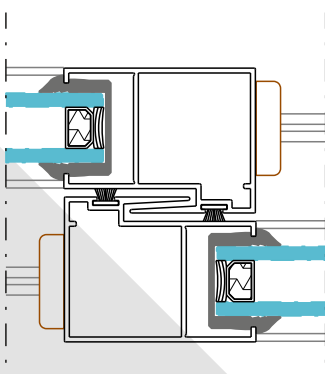
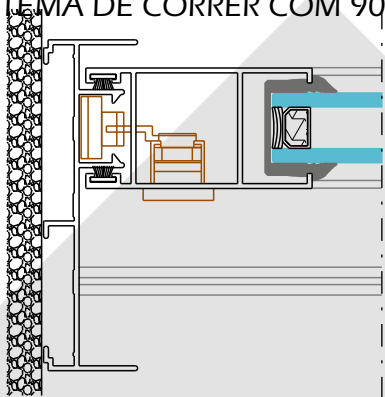
**alesil**  
ALUMÍNIOS



## SÉRIE CS



## SISTEMA DE CORRER COM 90MM



Resultado segundo a classificação SEEP, obtido para as condições do ensaio de laboratório.

Desempenho energético (kWh/m<sup>2</sup>.mês):

- Verão: 12,30
- Inverno: 12,13

O que é o Desempenho Energético?

É a energia desperdiçada nas janelas no verão e no inverno. Quanto mais baixo for este valor melhor serão as suas janelas

$U_w = 4,10 [W/(m^2 \cdot ^\circ C)]$

Fator solar (g) = 0,77

Permeabilidade ao ar = Classe 3



NORMA EN 14351-1:2006

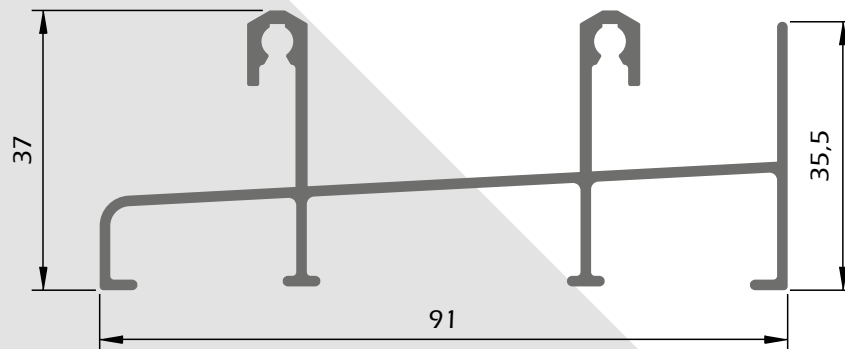


	Vão Dimensão L x H	Janela 2 fls 1230 x 1480	Porta 2 fls 1500 x 2200
	Vidro Utilizado 4 / 12 / 5		
	Permeabilidade ao Ar (UN-EN 1026:2000)	Classe 3 Certificado 173664	Classe 3 Certificado 173663
	Permeabilidade à Água (UN-EN 1027:2000)	Classe 6A Certificado 173664	Classe 6A Certificado 173663
	Resistência ao Vento (UN-EN 12211:2000)	Classe C4 Certificado 173664	Classe C1 Certificado 173663
	Transmissão Térmica (UN-EN 12567-1:2002) $U_{s,t} (U_w)$	4,1 W / (m <sup>2</sup> K) Certificado 173666	
	Atenuação Acústica (UN-EN 140-3:1995) $R_w (C; C_{tr})$	30 (-1; -3) dB Certificado 173665	

# CS

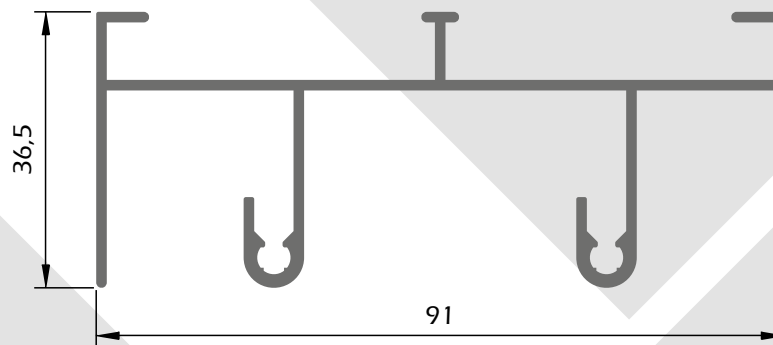
## C90-29

Soleira Europa



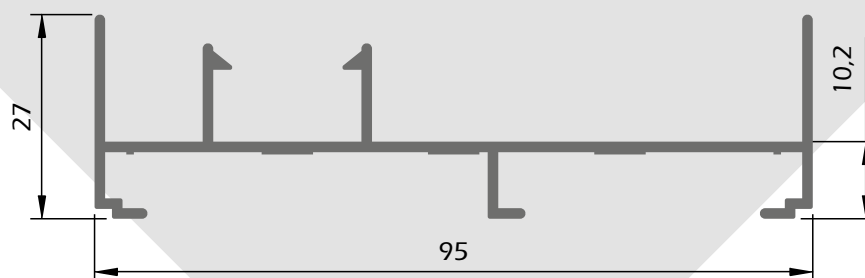
## C90-02

Padieira Europa



## C90-03

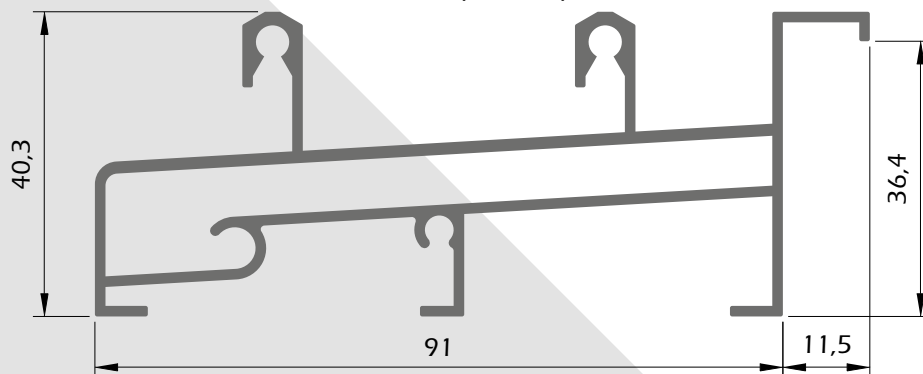
Ombreira Europa



CS

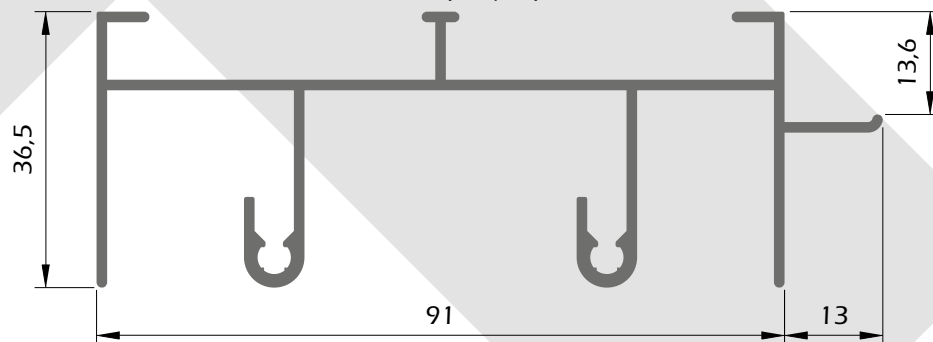
C90-01

Soleira Dupla Europa



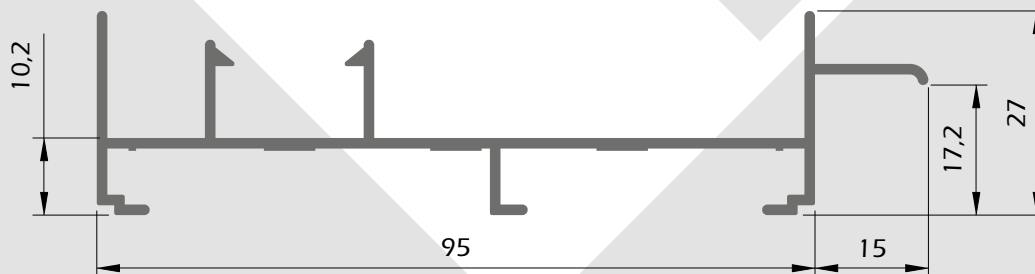
C90-26

Padieira Europa c/ Apainelado



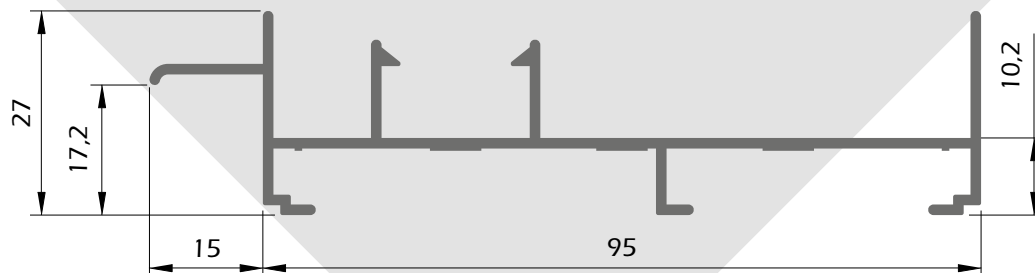
C90-27

Ombreira Europa c/ Apainelado



C90-28

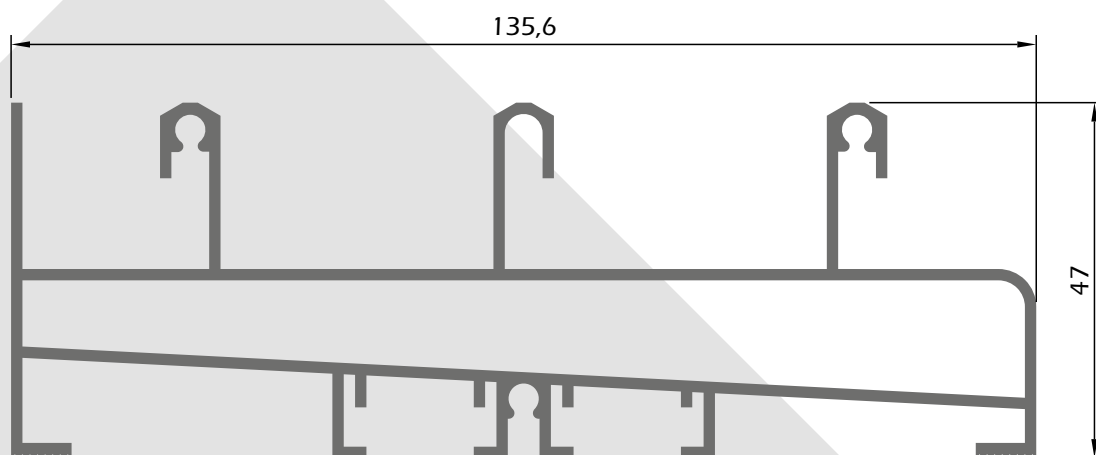
Ombreira Europa c/ Apainelado



CS

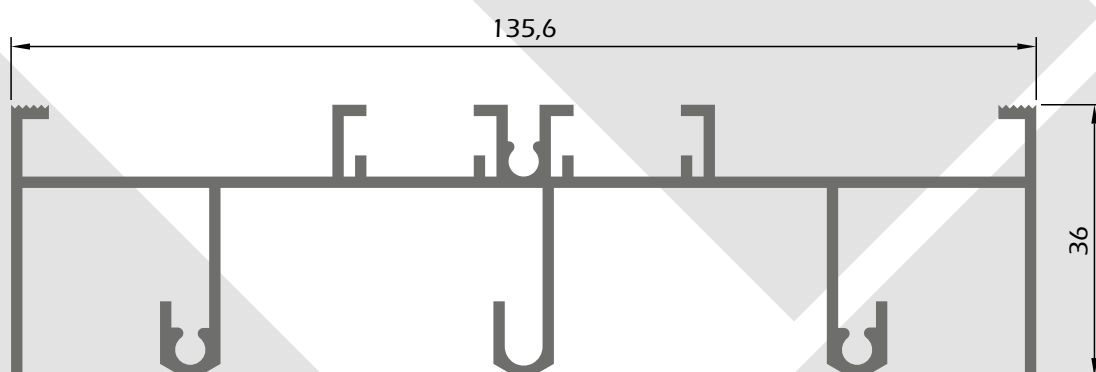
N.23019

Soleira 3 Vias



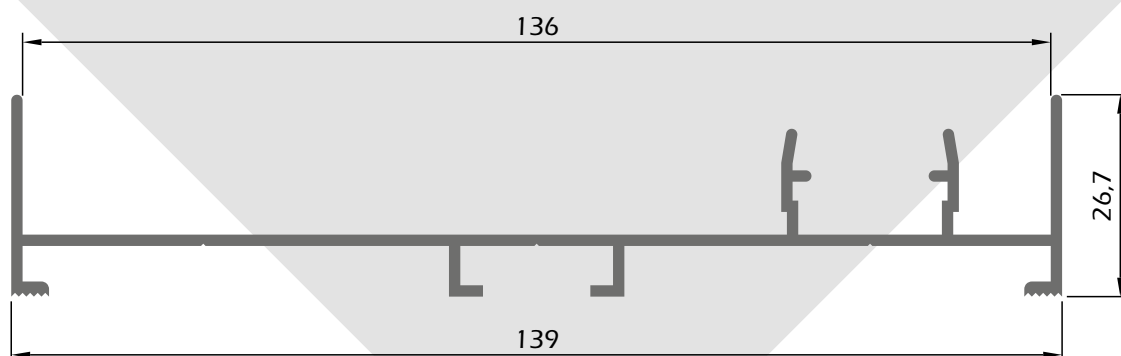
N.23005

Padieira 3 Vias



N.23038

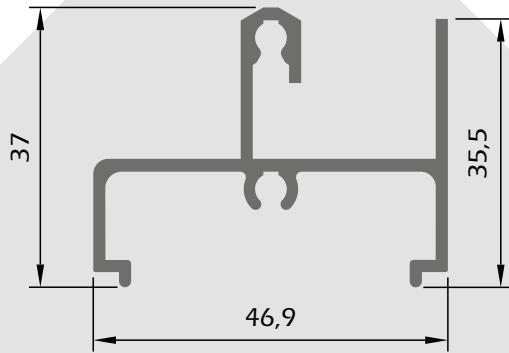
Ombreira 3 Vias



# CS

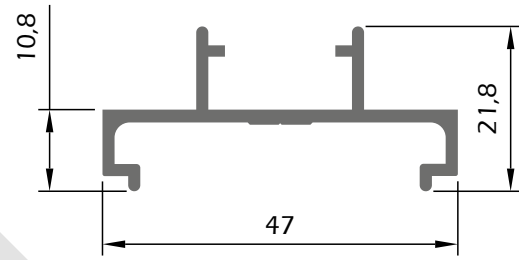
## C90-36

Soleira Mono-Carril



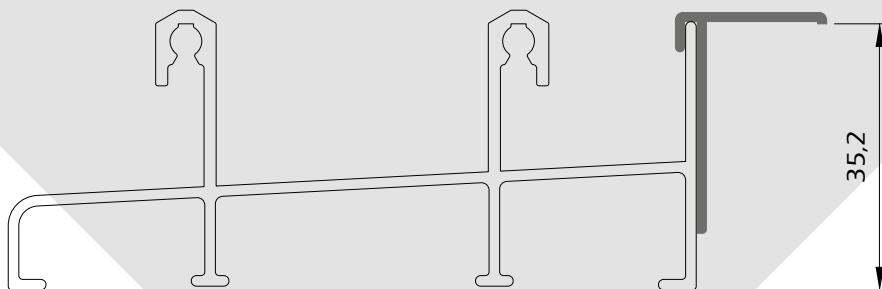
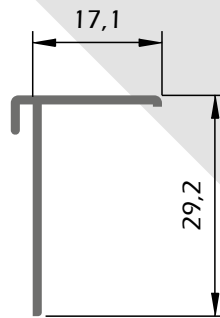
## C90-37

Ombreira Mono-Carril



## Y-34

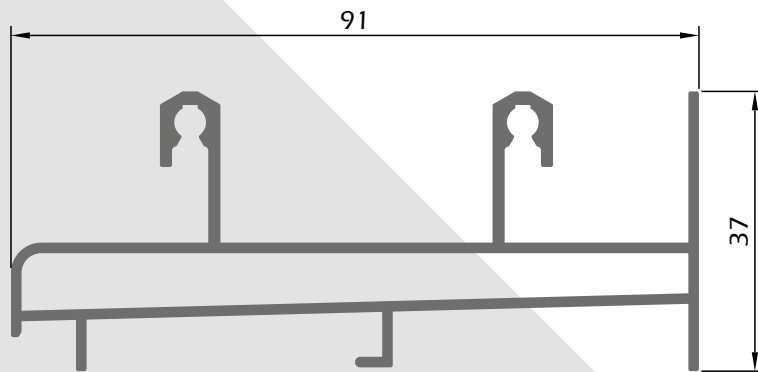
Remate p/ Apainelado



# CS

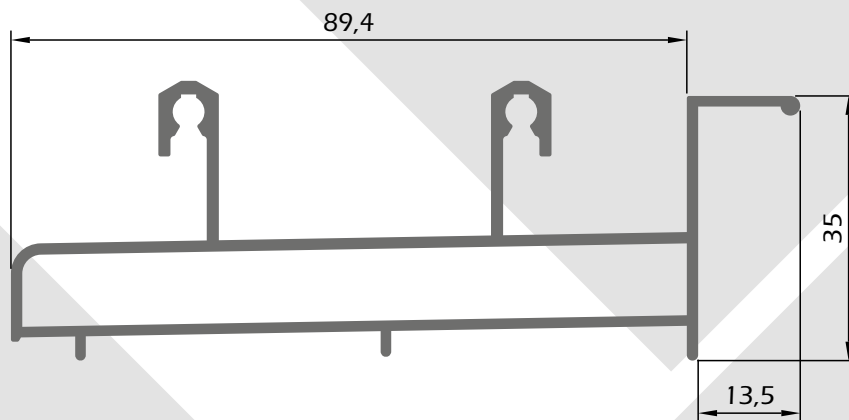
## C90-39

Soleira



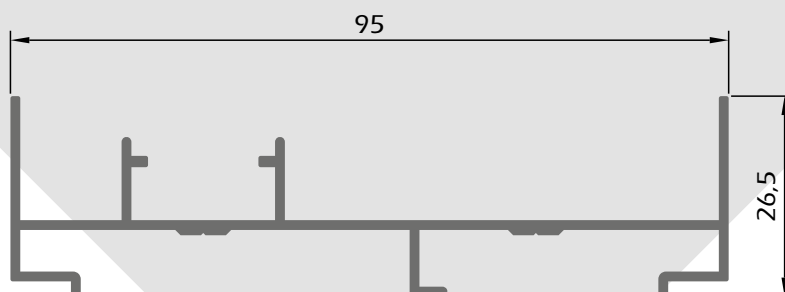
## C90-38

Soleira



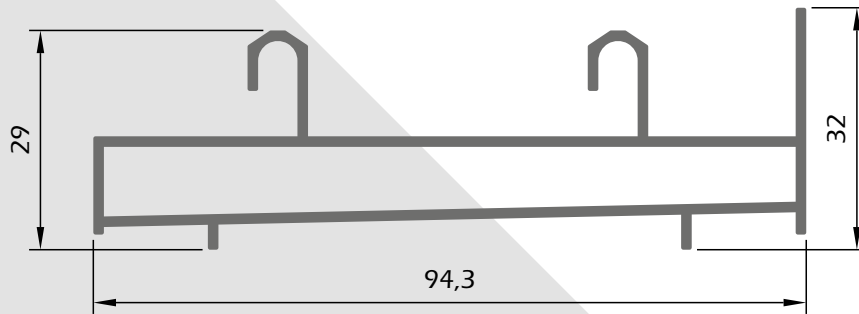
## C90-32

Ombreira

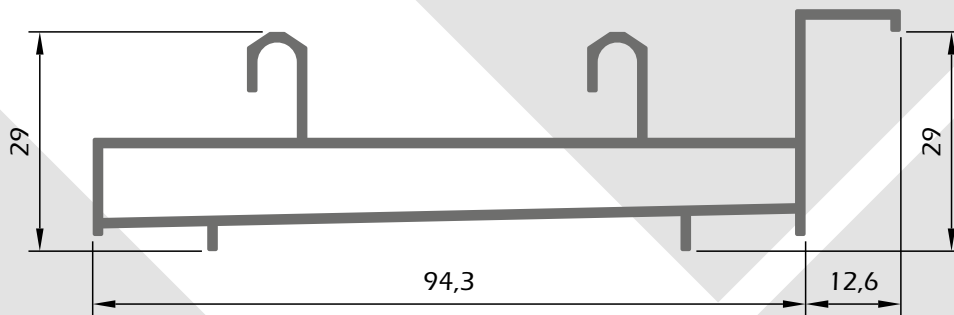


CS

CS-100  
Soleira Dupla



CS-29  
Soleira Dupla c/ Apainelado

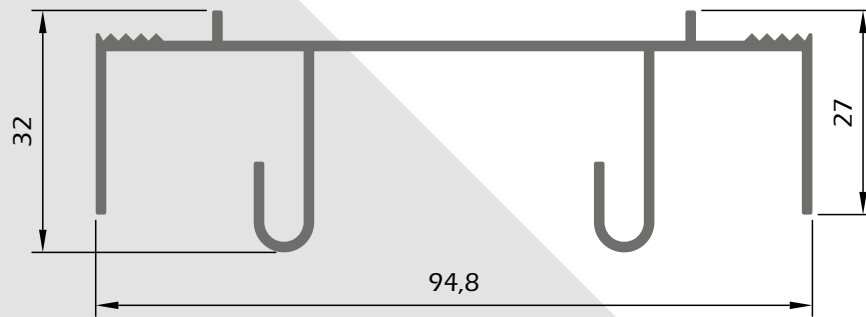




# CS

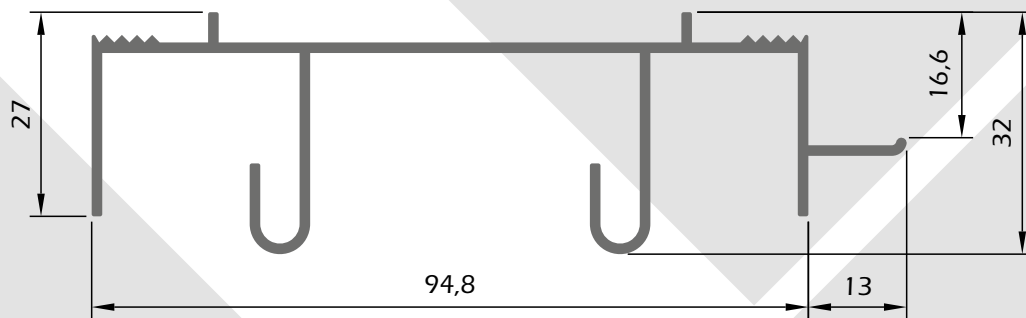
## CS-01

Padieira



## CS-21

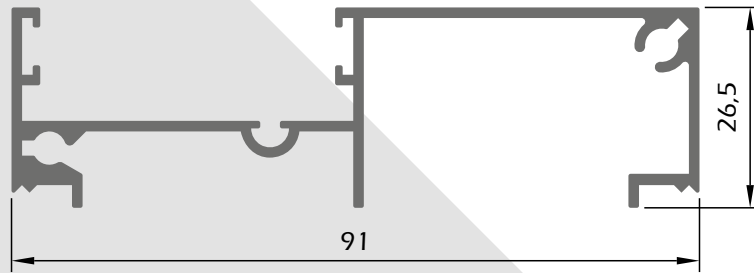
Padieira c/ Apainelado



# CS

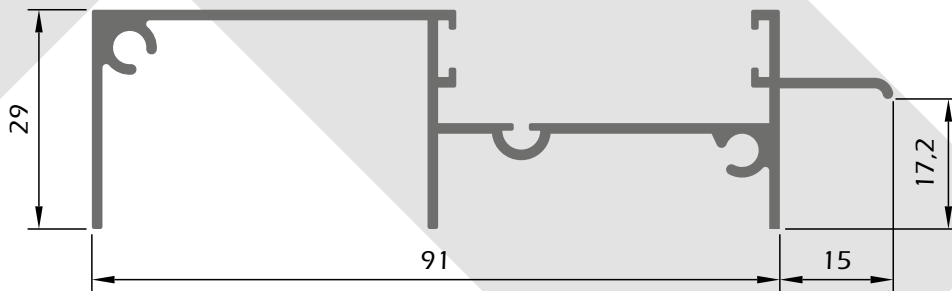
## CS-04

Ombreira



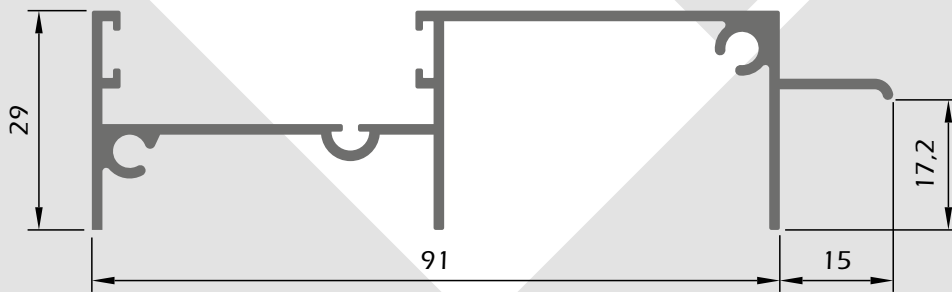
## CS-54

Ombreira c/ Apainelado



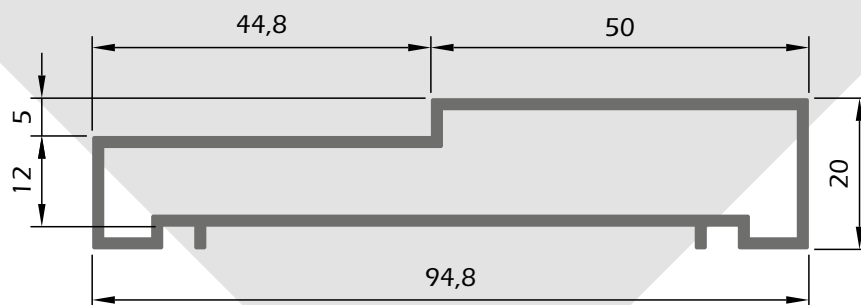
## CS-55

Ombreira c/ Apainelado



## CS-15

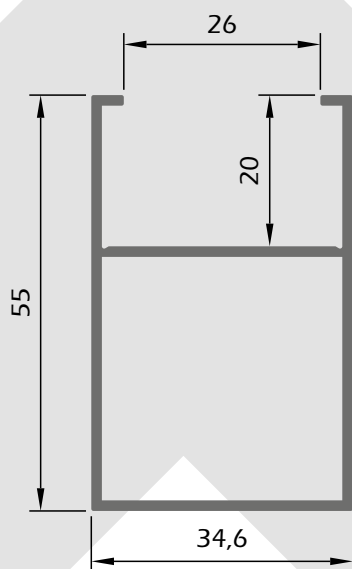
Perfil de Ligação



# CS

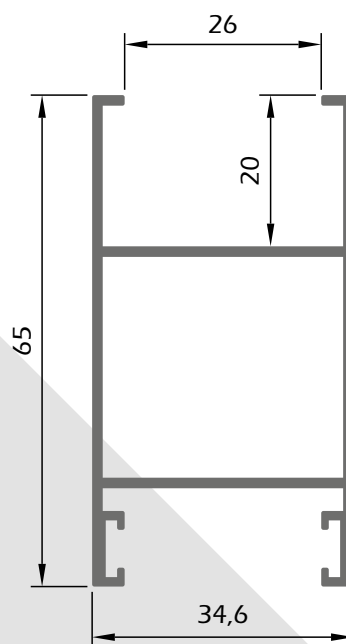
**CS-85**

Móvel Lateral



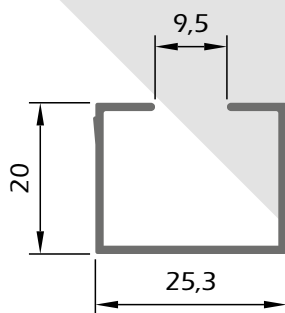
**CS-95**

Móvel Lateral



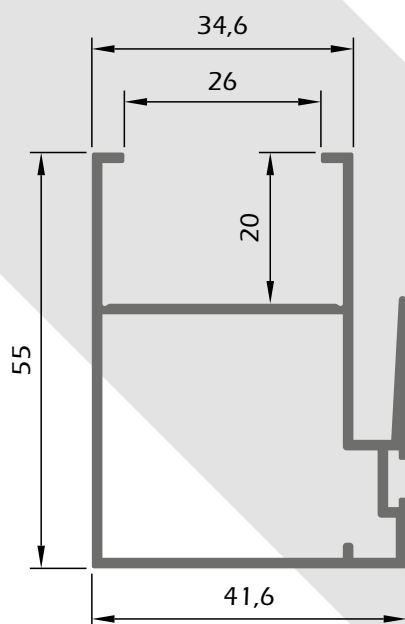
**CS-74**

Redutor p/ Vidro Simples



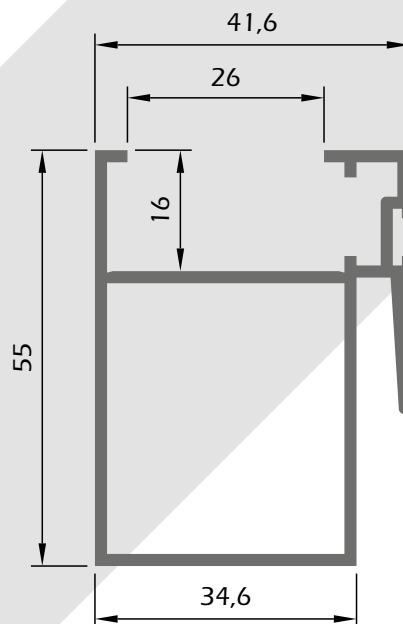
**CS-88**

Móvel Central



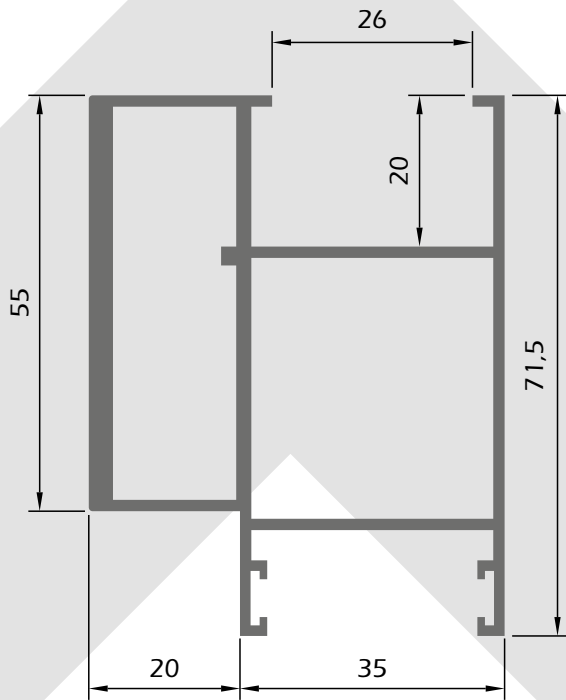
**B.3.63**

Móvel Central p/ 3 Folhas



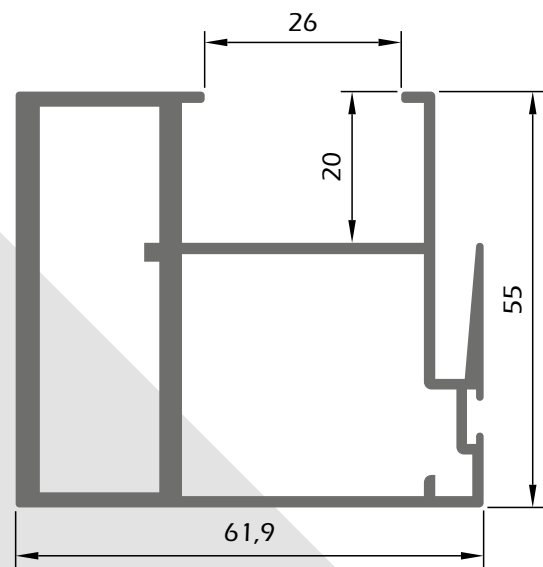
## N.23111

Móvel Lateral Reforçado



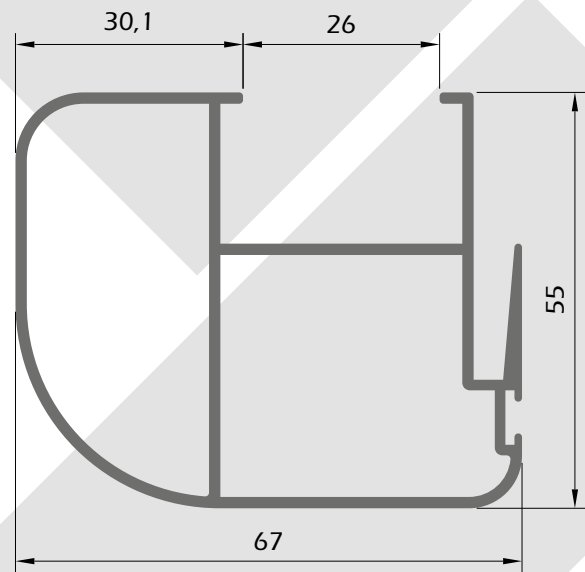
## N.23110

Móvel Central Reforçado



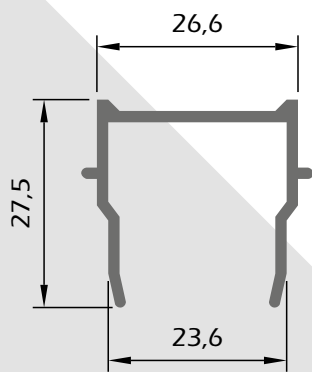
## LIN 337

Móvel Central Reforçado



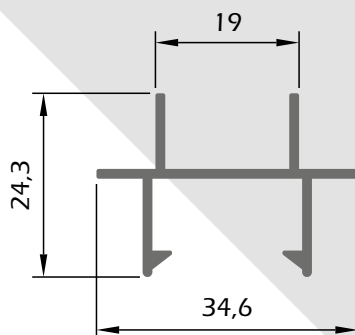
## CS-48

Perfil de Ligação p/ 4 Folhas



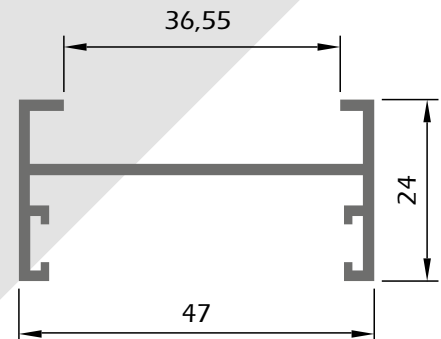
## C90-10

Perfil de Ligação p/ 4 Folhas

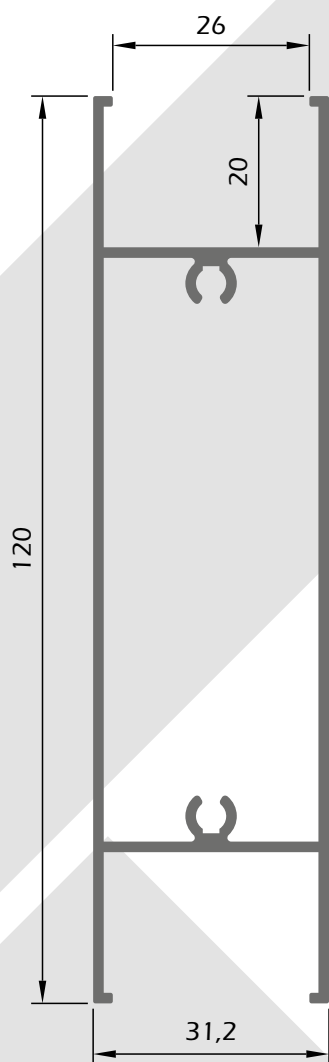


## B.3.17

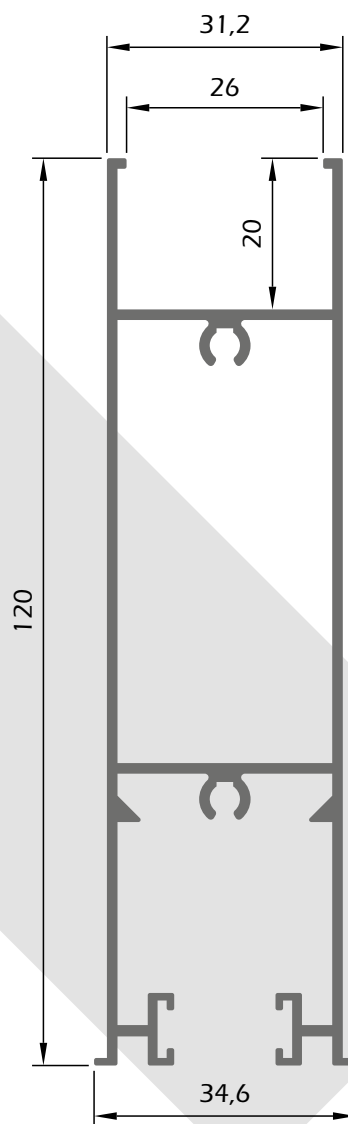
Perfil de Ligação p/ 4 Folhas



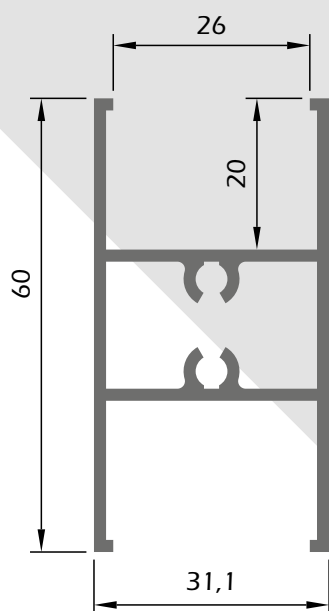
# CS



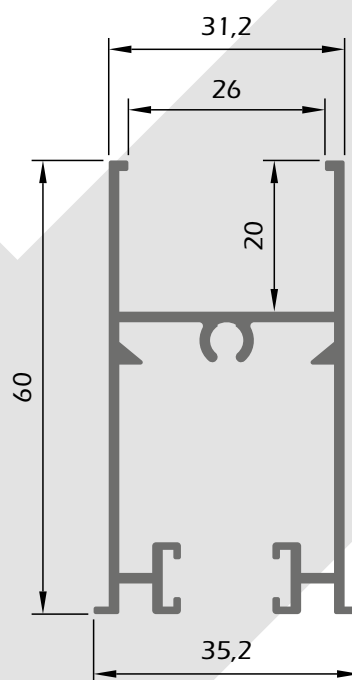
**CS-81**  
Travessa Central



**CS-82**  
Móvel Inferior



**CS-83**  
Travessa

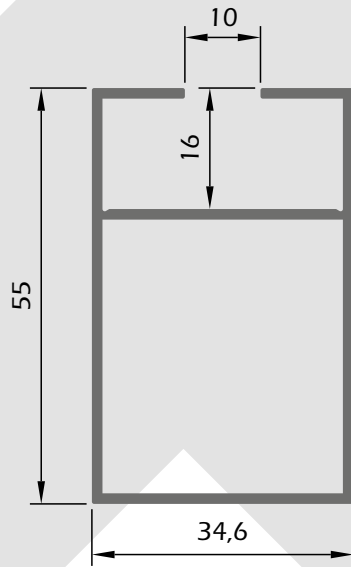


**CS-80**  
Móvel Inferior / Superior

# CS

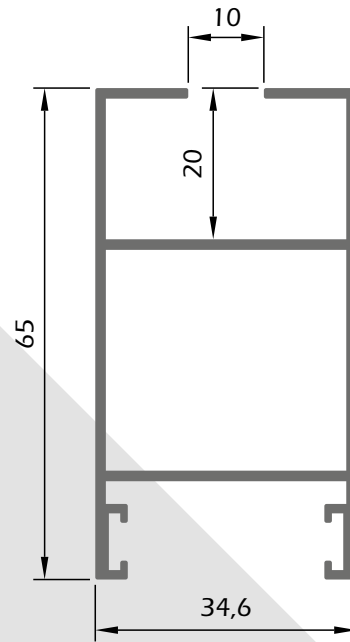
## CS-75

Móvel Lateral



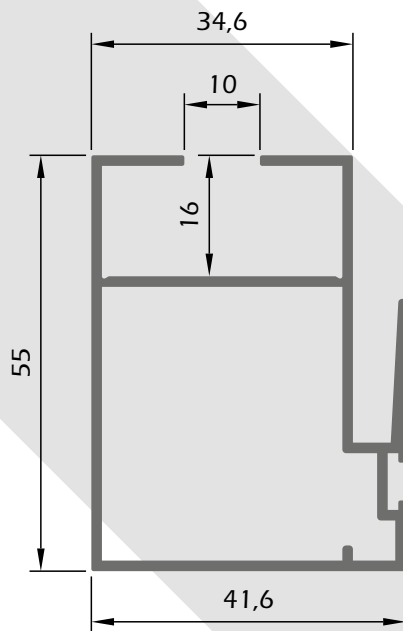
## CS-94

Móvel Lateral



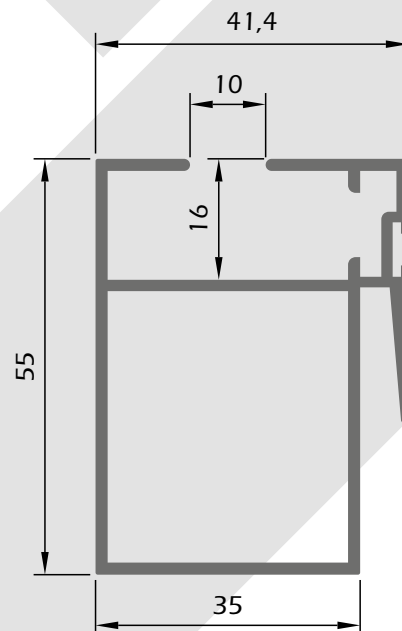
## CS-76

Móvel Central

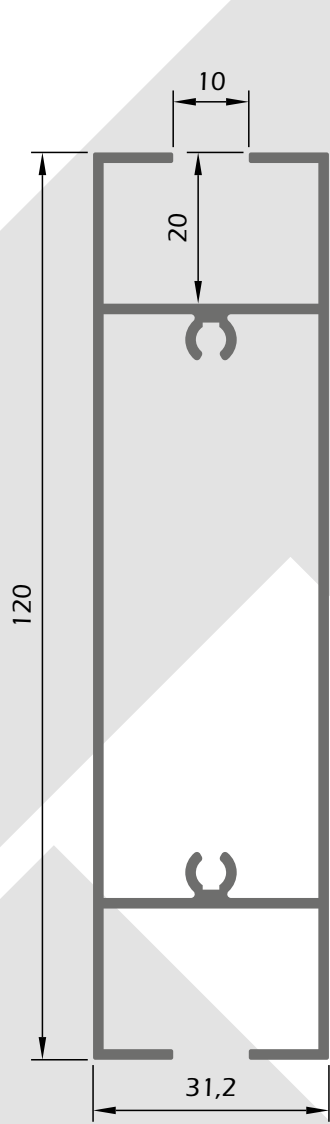


## CS-77

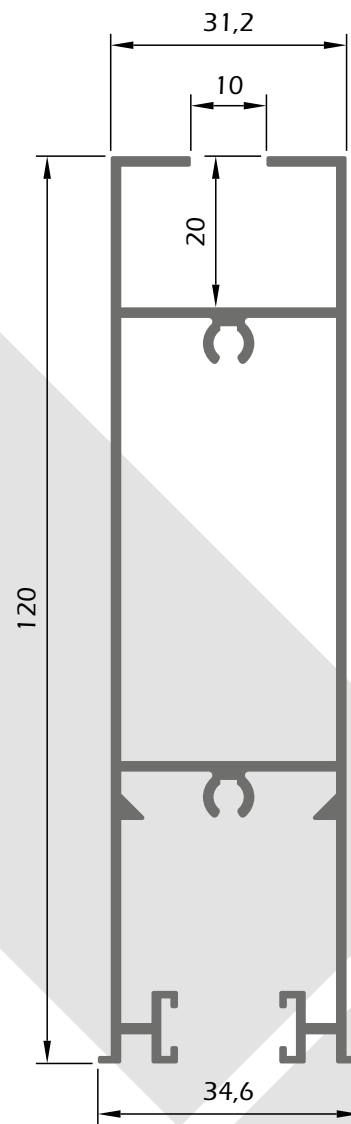
Móvel Central p/ 3 Folhas



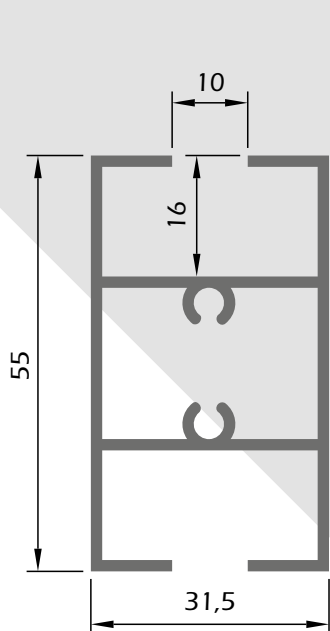
# CS



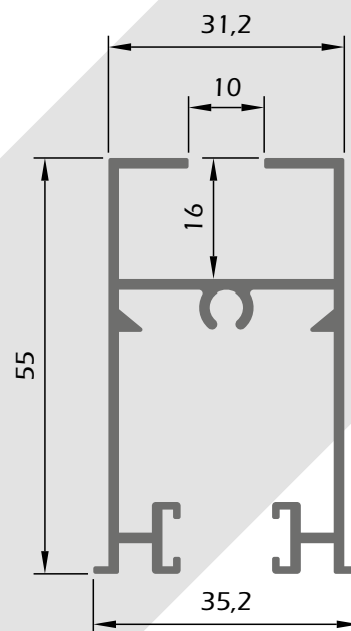
**CS-71**  
Travessa Central



**CS-72**  
Móvel Inferior



**CS-73**  
Travessa

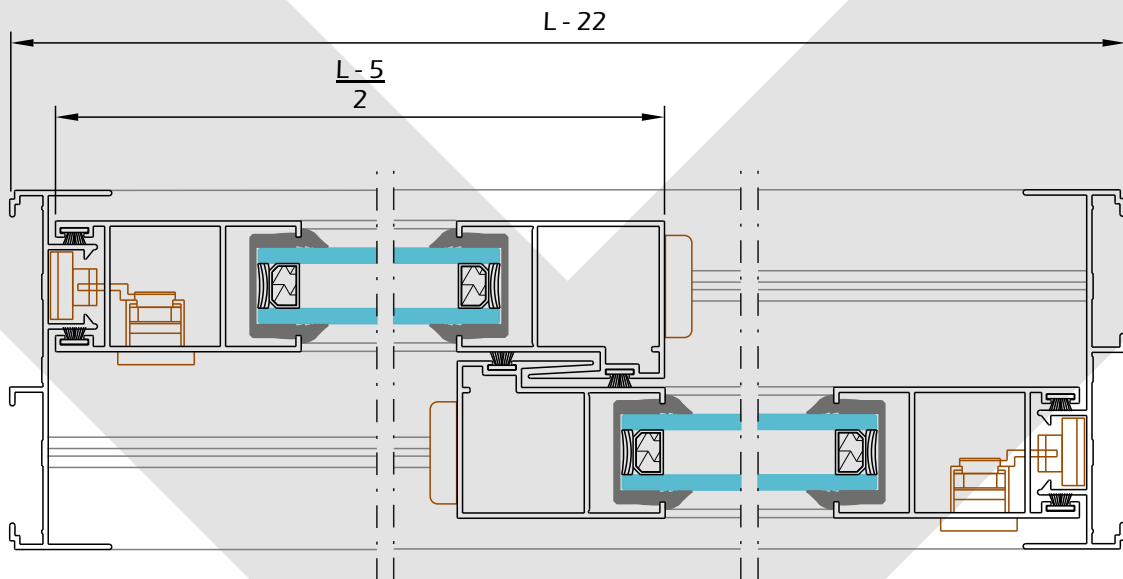
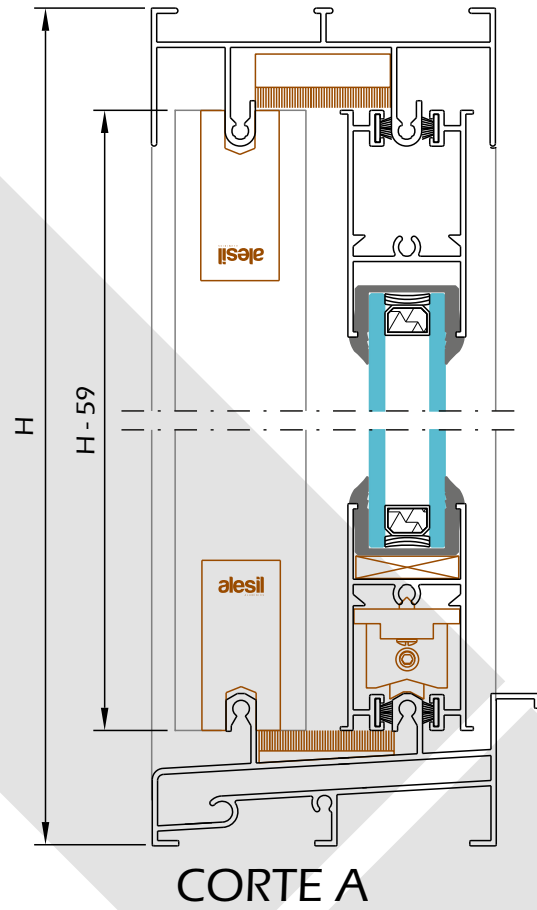
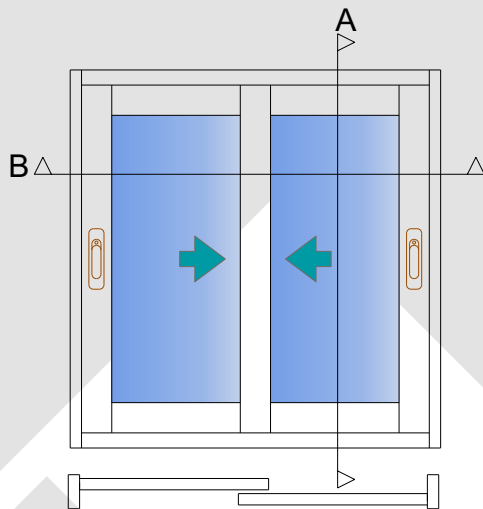


**CS-70**  
Móvel  
Inferior/Superior

# CS

## PORMENORES DE MONTAGEM

JANELA DE 2 FOLHAS



CORTE B

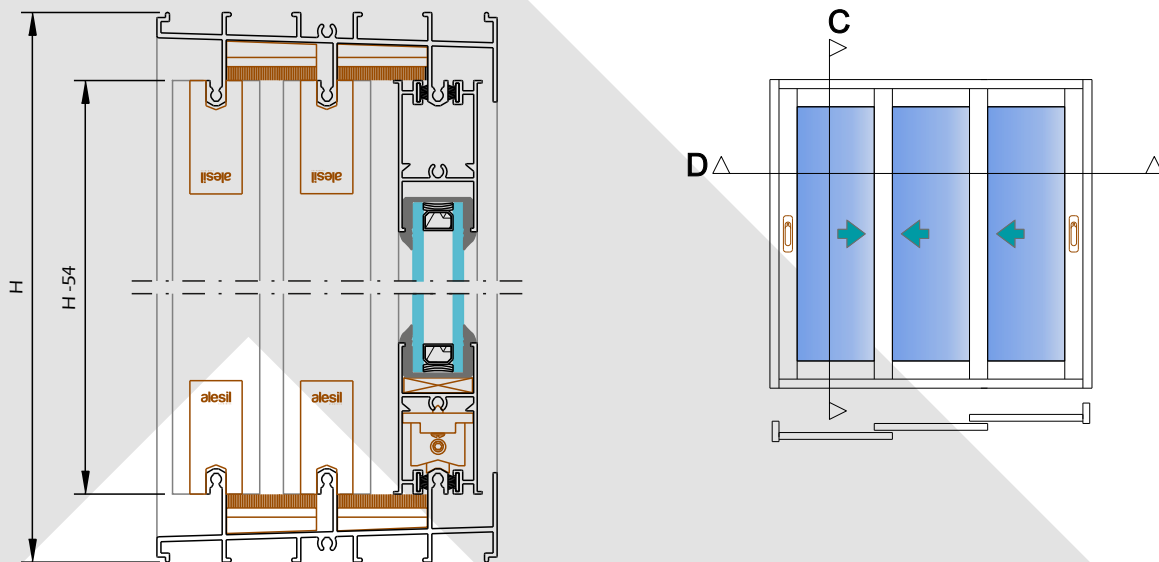
Estas medidas de corte são de carácter informativo



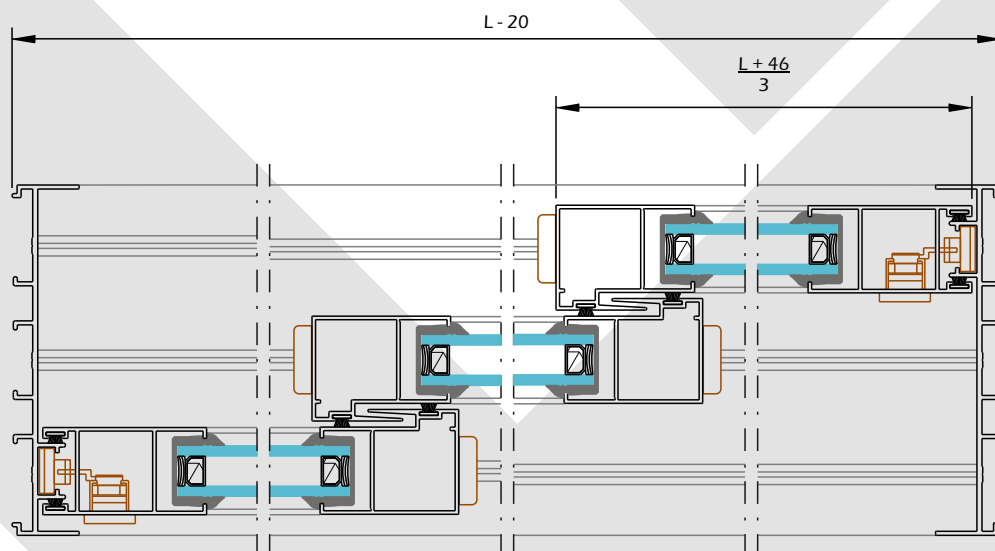
# CS

## PORMENORES DE MONTAGEM

JANELA DE 3 FOLHAS EM 3 VIAS



CORTE C



CORTE D

Estas medidas de corte são de carácter informativo

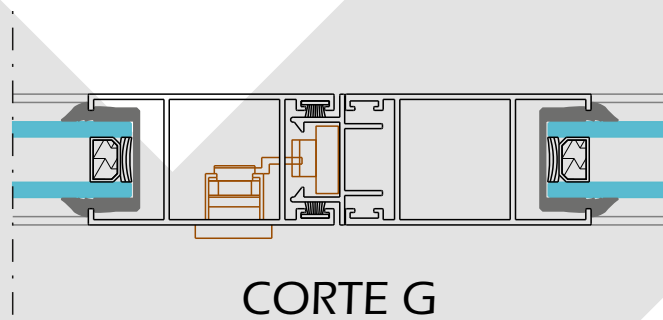
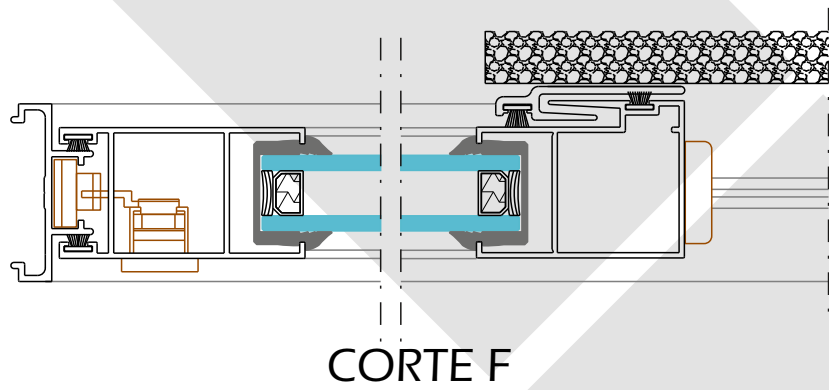
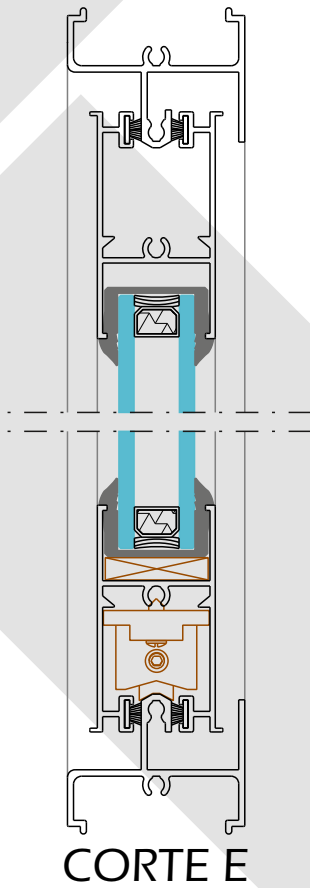
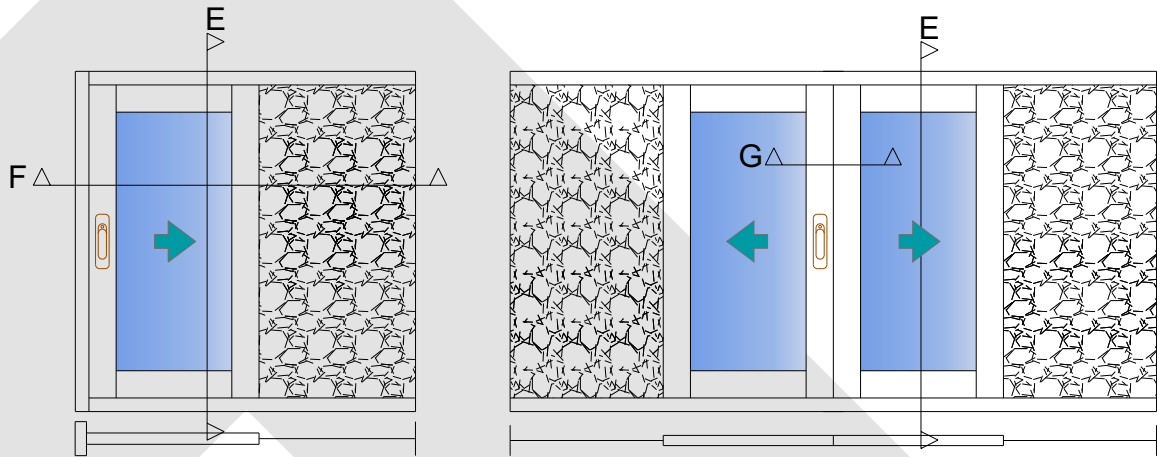
Escala 1:3

ed. 004

# CS

## PORMENORES DE MONTAGEM

JANELA DE 1 E 2 FOLHAS EM 1 VIA



## ACESSÓRIOS

## Características



CÓDIGO: **GUIA.CS**      DESCRIÇÃO: **Kit guias CS**  
 UNID. VENDA: **Unidade**      ACABAMENTOS: **Nylon**  
 APLICAÇÃO: **CS-76, CS-88**



CÓDIGO: **CS 601**      DESCRIÇÃO: **Kit guias C90**  
 UNID. VENDA: **Unidade**      ACABAMENTOS: **Nylon**  
 APLICAÇÃO: **CS -76, CS-88, CS-94, CS-95**



CÓDIGO: **ROLCS979D**      DESCRIÇÃO: **Rolamento duplo**  
 UNID. VENDA: **Unidade**      ACABAMENTOS: **Corpo em Nylon, Rol. em Agulhas**  
 APLICAÇÃO: **CS-70, CS-72, CS-80, CS-82**



CÓDIGO: **ROLCS979S**      DESCRIÇÃO: **Rolamento simples**  
 UNID. VENDA: **Unidade**      ACABAMENTOS: **Corpo em Nylon, Rol. em Agulhas**  
 APLICAÇÃO: **CS-70, CS-72, CS-80, CS-82**



CÓDIGO: **TS ROL.02**      DESCRIÇÃO: **Rolamento duplo especial c/ afinação**  
 UNID. VENDA: **Unidade**      ACABAMENTOS: **Corpo em Nylon, Rol. em Agulhas**  
 APLICAÇÃO: **CS-70, CS-72, CS-80, CS-82**



CÓDIGO: **CS 8310**      DESCRIÇÃO: **Conj.Estanqicidade CS / C90**  
 UNID. VENDA: **Unidade**      ACABAMENTOS: **Nylon**  
 APLICAÇÃO: **C90-01, C90-02, C90-26, CS-01, CS-29, CS-78, CS-98, CS-100**

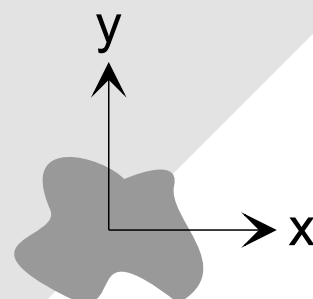


CÓDIGO: **TIC - TAC**      DESCRIÇÃO: **Fecho TIC-TAC**  
 UNID. VENDA: **Unidade**      ACABAMENTOS: **Zamak**  
 APLICAÇÃO: **CS-76, CS-88**


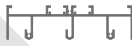



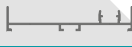







## DADOS TÉCNICOS

Imagem	Referência	$I_{xg} (cm^4)$	$I_{yg} (cm^4)$	Imagem	Referência	$I_{xg} (cm^4)$	$I_{yg} (cm^4)$
	B.3.17	0,64	6,01		CS-100	3,02	40,10
	B.3.63	10,70	8,85		CS-15	1,76	35,08
	C90-01	6,51	47,60		CS-21	2,97	36,96
	C90-02	4,51	37,48		CS-29	2,37	35,15
	C90-03	1,02	31,06		CS-48	0,85	1,47
	C90-10	0,38	1,08		CS-54	2,17	38,99
	C90-26	4,51	42,28		CS-55	2,17	39,23
	C90-27	1,15	37,94		CS-70	9,37	4,71
	C90-28	1,15	36,61		CS-71	75,73	8,52
	C90-29	3,99	29,53		CS-72	78,27	9,05
	C90-32	0,82	29,26		CS-73	9,31	4,86
	C90-36	2,18	5,76		CS-74	0,50	0,88
	C90-37	2,18	5,76		CS-75	9,77	5,34
	C90-38	5,68	40,89		CS-76	10,98	8,01
	C90-39	4,32	35,76		CS-77	12,33	8,98
	CS-01	2,91	31,86		CS-80	9,25	4,82
	CS-04	2,24	35,22		CS-81	59,98	8,13

Todos os dados fornecidos são determinados relativamente ao centro de gravidade do perfil e conforme posição apresentada, em relação aos eixos indicados



## DADOS TÉCNICOS

Imagem	Referência	$I_x$ (cm <sup>4</sup> )	$I_y$ (cm <sup>4</sup> )	Imagem	Referência	$I_x$ (cm <sup>4</sup> )	$I_y$ (cm <sup>4</sup> )
	CS-82	69,64	8,85		N.23005	6,56	109,01
	CS-83	7,18	4,89		N.23019	14,01	138,92
	CS-85	7,67	5,15		N.23038	1,12	83,30
	CS-88	8,60	7,78		N.23110	20,43	29,22
	CS-94	13,61	6,66		N.23111	24,71	23,20
	CS-95	11,16	6,47		Y-34	0,53	0,15
	LIN 337	15,80	25,20				

Todos os dados fornecidos são determinados relativamente ao centro de gravidade do perfil e conforme posição apresentada, em relação aos eixos indicados

