



**CS** *Horizont*

CS/Euro - B.003/H

*correr clássica*

LOU / ALU

# CS - Desempenho / Performance



ITT - Ensaio de tipo inicial - Organismo notificado n.º

Norma EN 14351-1

1239 - Cidemco

ETI - Essai de type initial - Laboratoire notifié n.º



**Permeabilidade ao Ar**  
Perméabilité à l'air  
UNE-EN 12207



**Estanquicidade à Água**  
Étanchéité à l'eau  
UNE-EN 12208



**Resistência ao Vento**  
Résistance au Vent  
UNE-EN 12210



Ensaio realizado numa janela de correr de duas folhas com:  
Essai réalisé sur une fenêtre coulissante à deux vantaux avec:

1500 x 2100 mm

Certificado de ensaio/Certificat d'essai n.º 22787

## Desempenho térmico e acústico / Performance thermique et acoustique

Elementos usados na base dos cálculos  
Elements utilisés sur la base de calculs:

Janela de correr de 2 folhas com:  
Fenêtre coulissante à 2 vantaux avec:  
2000 x 2200 mm



**Transmissão Térmica**  
Transmittance Thermique  
UNE-EN 10077-2

Exterior / Extérieur



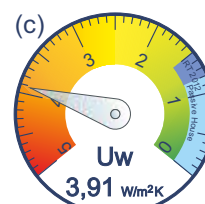
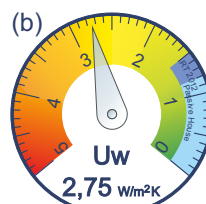
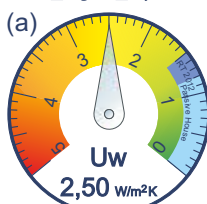
Interior / Intérieur

Composição e valores dos vidros / Composition et valeurs de vitrage

Unidade de vidro (IGU)*	Y	Ug	g	Tlg	Rw (C:Ctr)
(a) GuardianSun 4+12 Argon+Float 4mm	0,049	1,2	0,43	70%	30(-1;-3)
(b) GuardianSun 4+12 Ar+Float 4mm	0,049	1,5	0,43	70%	30(-1;-3)
(c) Float 4+12 Ar+Float 4mm	0,049	2,9	0,79	83%	30(-1;-3)

Y - Coeficiente linear junta alumínio/vidro (com Warm Edge Technoform Glassinsulation), Ug - Coeficiente Térmico, g - Factor Solar, Tlg - Transmissão Luminosa

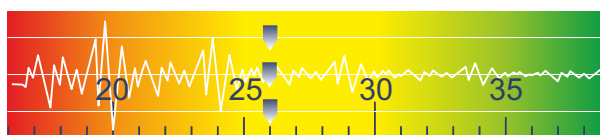
$$U_w = \frac{\sum AgU_g + \sum AfU_f + \sum Ig\Psi_g}{\sum Ag + \sum Af}$$



**Atenuação Acústica**  
Isolation Acoustique  
EN 14351-1+A1 (Anexo B)

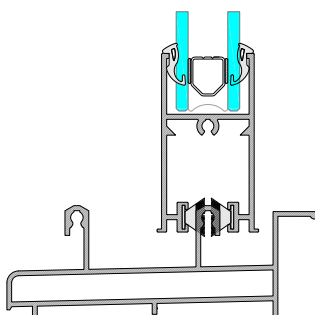
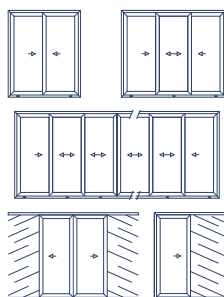
Rw (C;Ctr) com vidro / avec vitrage

- (a) 26 (-1;-2)
- (b) 26 (-1;-2)
- (c) 26 (-1;-2)



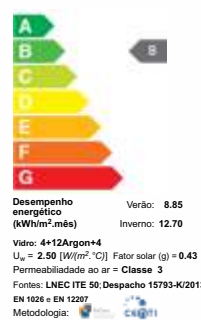
## Tipologia e Classe energética / Typologie et classe énergétique

Tipologia construtiva  
Typologie constructive  
Monorral, Biral e Trirral



ETIQUETTE D'EFFICACITE ENERGETIQUE FENETRES ET PORTES			
Zones Climatiques France Métropolitaine			
	Z1	Z2	Z3
Classe énergétique	A	B	E
Coefficient de transmission thermique: Uw = 2,5 W/m²K	A	B	E
Facteur solaire: Sw = 0,43	A	B	E
Transmission Luminieuse: TLw = 70 %	A	B	E
MENUISERIE Lousalu - Sistemas de Alumínio	FR		
MODELE JCRZF 2000x2200 - CS Generic			

Desempenho energético de:  
JCRZF - 2000 x 2200 - CS



Avec vitrage (a)

Com Vidro (a)

## Materiais, Tratamentos e Acabamentos / Matériaux, Traitement et Finition

Perfis / Profils: Liga / alliage EN AW - 6060 (T5) - Acessórios / Accessoires: do sistema

Vedantes / Joint d'étanchéité: EPDM / mousse de EPDM - Poliamida / Polyamid: não utilizado

Acabamentos / Finition: Anodizado, Lacado e efeito madeira / anodisé, Laqué et effet bois



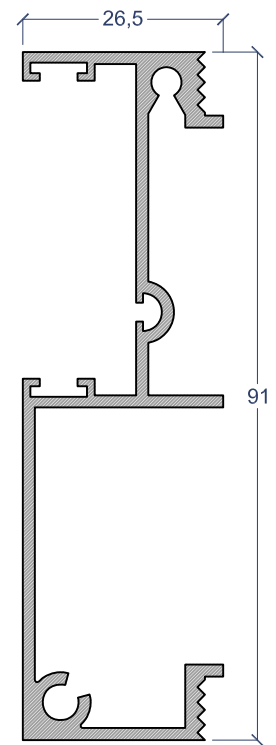
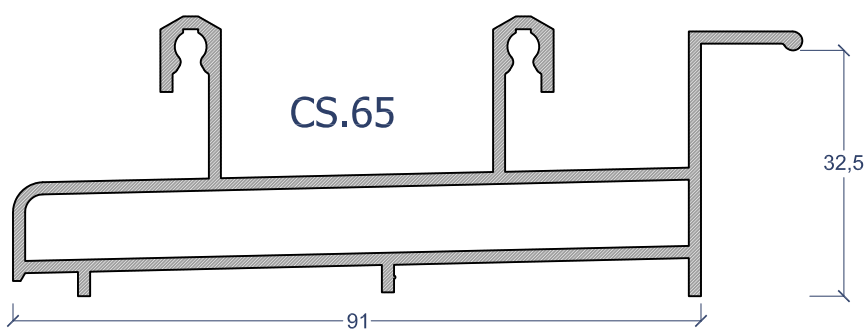
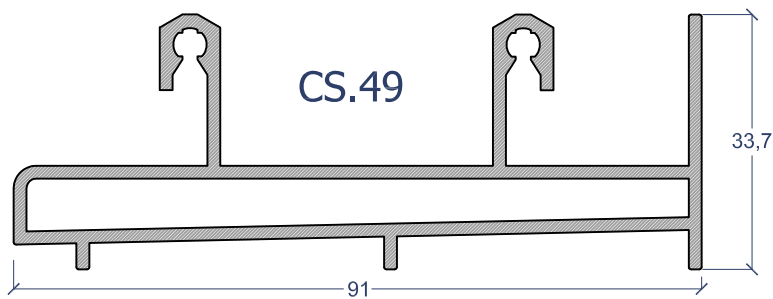
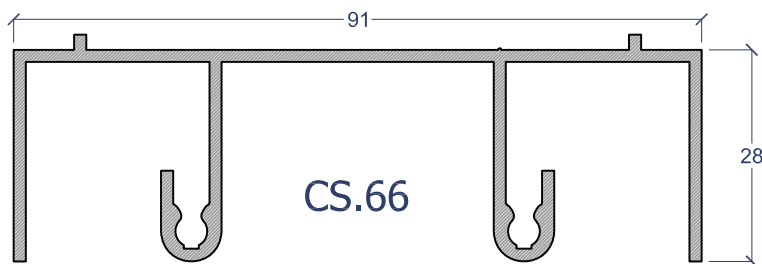
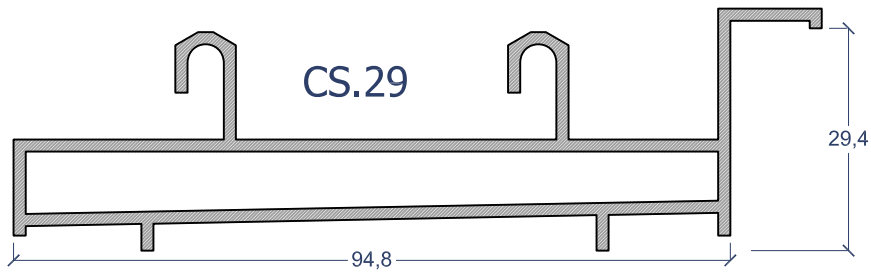
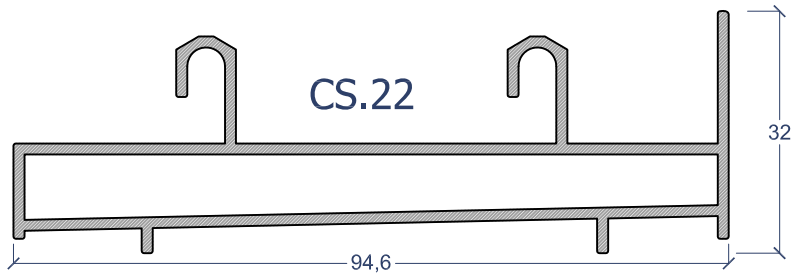
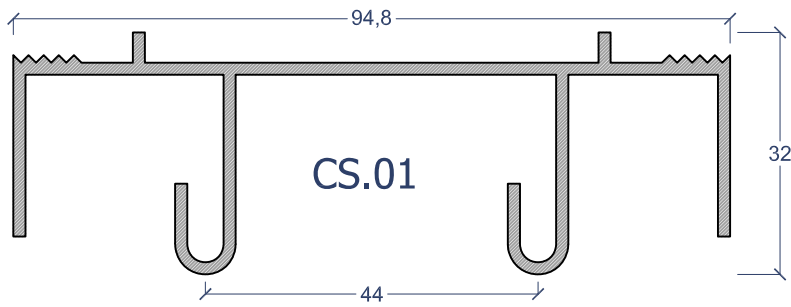
\* Fonte: Guardian Performance Calculator 4.1 e Acoustic Database 20171102 by Guardian Glass. Os valores apresentados são apenas ilustrativos, pois podem variar em função dos vidros a aplicar em obra.

CSHorizontal

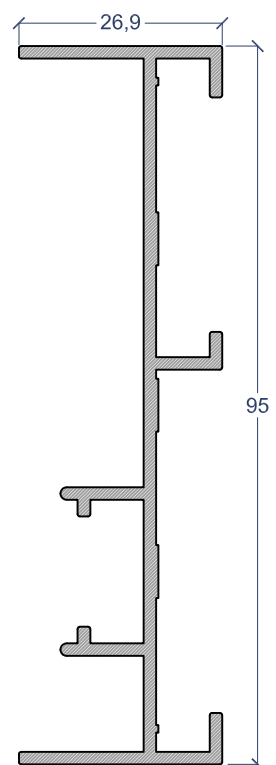


LOU/ALU

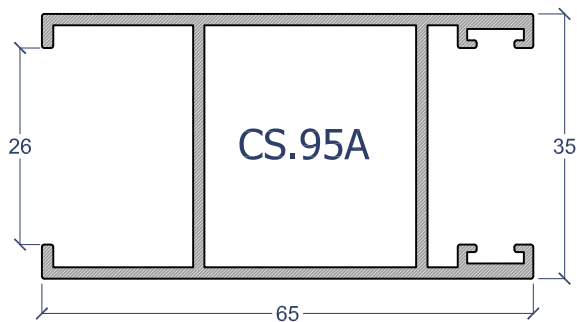
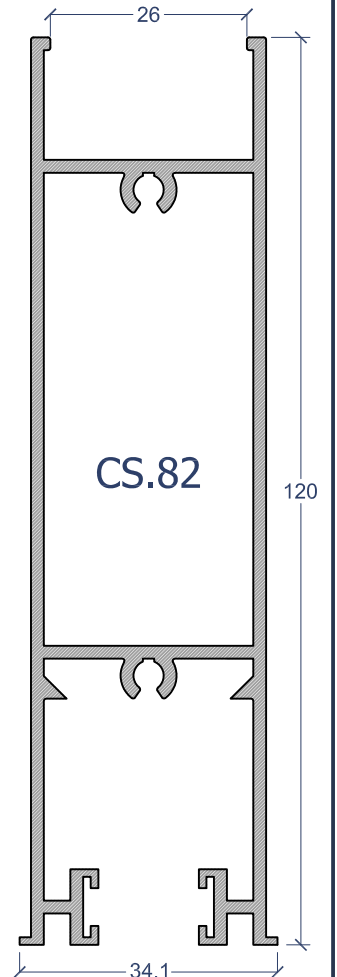
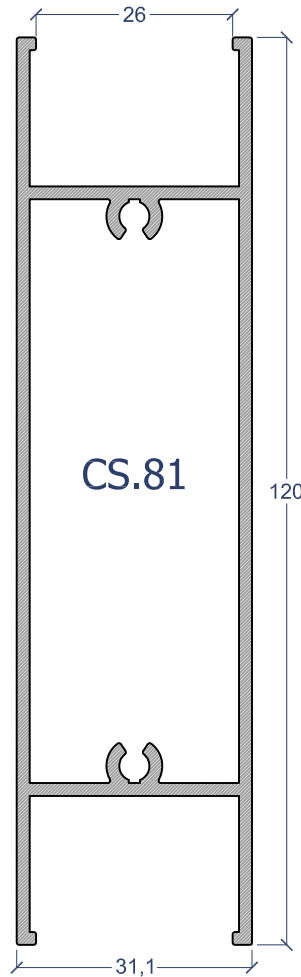
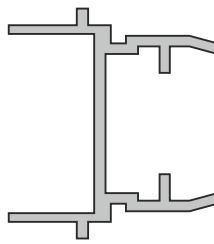
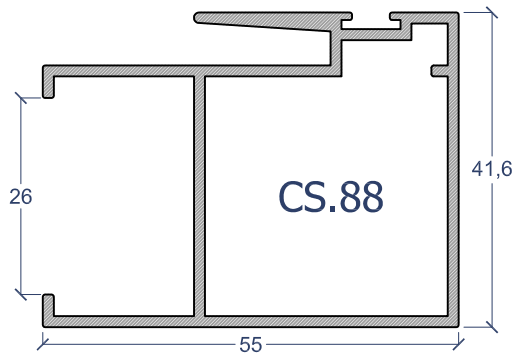
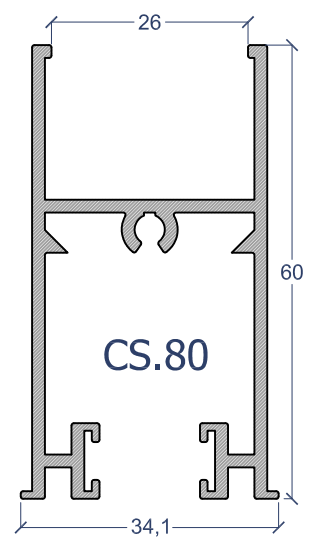
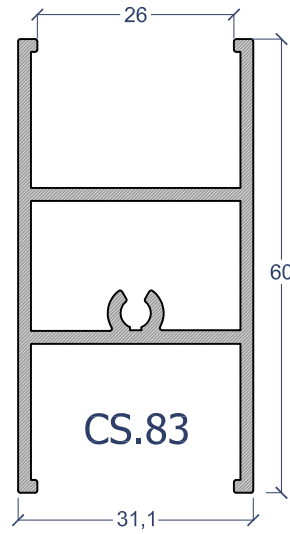
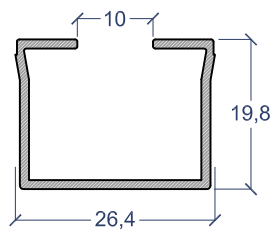
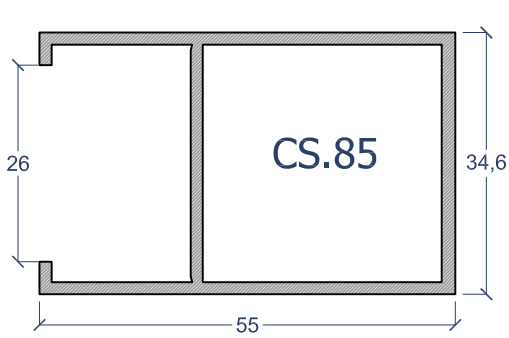
ClassicSlide














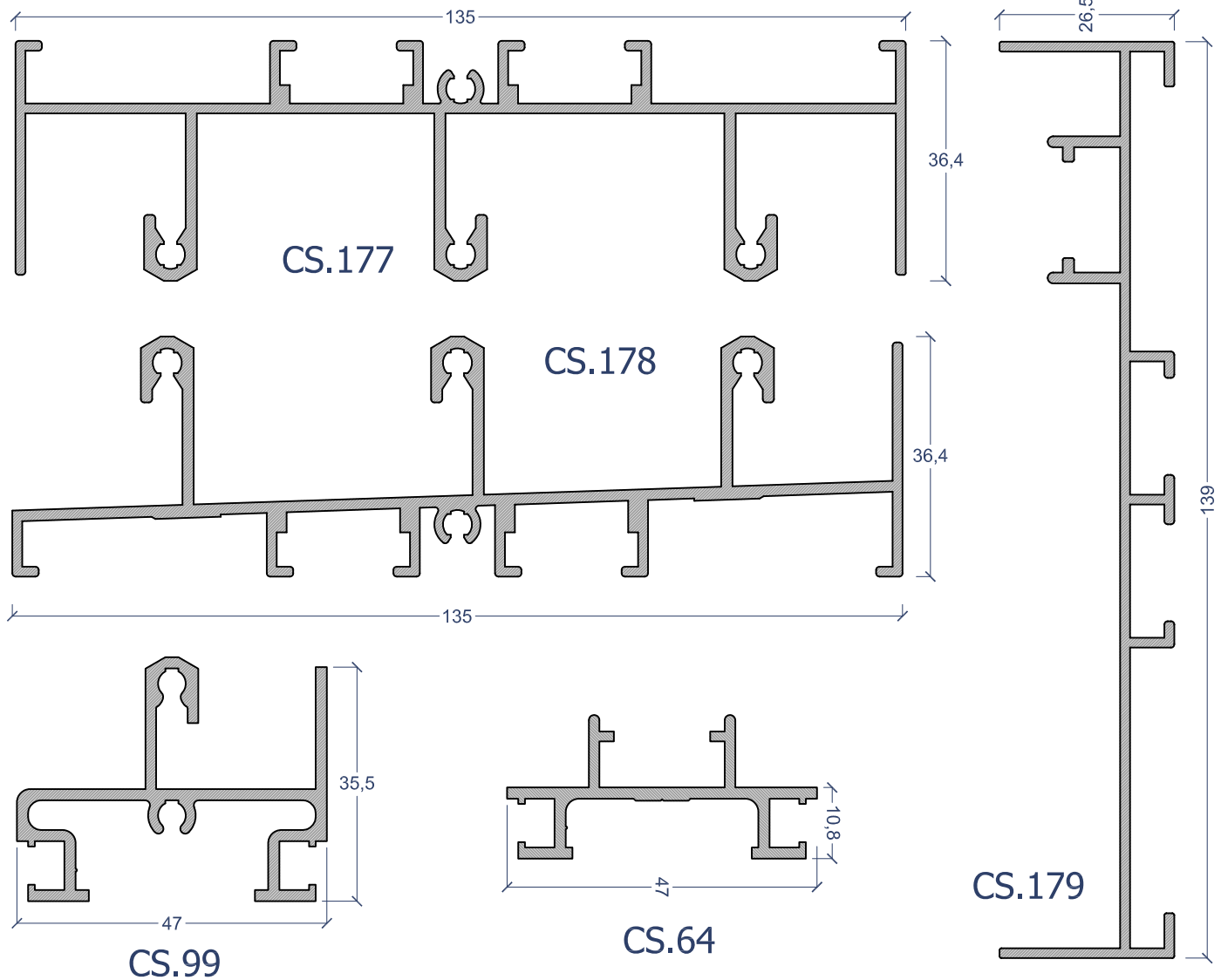
**CS.04**



**CS.24**



<p><b>X.28.0010</b> Rolamento Simples</p> 	<p><b>X.31.0009</b> Fecho Central TicTac</p> 				
<p><b>X.31.0030</b> Fecho Lateral</p> 	<p><b>X.33.0040</b> Lingueta/Gancho fecho</p> 	<p><b>X.33.0037</b> Gache/Ponto de Fecho</p> 			
<p><b>X.52.0032</b> Kit de Guias</p> 	<p><b>X.52.0015</b> Batente</p> 	<p><b>X.47.0009</b> Cortavento Sup/Inf</p> 	<p><b>X.48.0007</b> Junta Vedação Aros fixos</p> 	<p><b>X.42.0012</b> Vedante p/ CS.04</p> 	<p><b>X.40.0002</b> Pelúcia 7,0 x 6,0 S.Fine</p> 

*correr clássica*


Medidas de Corte (mm)		CS	CS Euro		TriRail	MonoRail
(Lv = Largura do Vão ; Hv = Altura do Vão)		CS.01 c/ 29 ou 22	CS.66 c/ 65	CS.66 c/ 49	CS.177 c/ 178	CS.99 c/ 99
Aros fixos	Larguras 1 Fls	---	---	---	---	(Lv x 2) + 44
	Larguras > 2 Fls	Lv	Lv - 21	Lv - 21	Lv - 16,5	(Lv x 2) + 136
	Alturas	Hv - 21	Hv	Hv	Hv	Hv
Aros Móveis	Larguras 1 Fls	---	---	---	---	Lv + 23
	Larguras 2 fls	(Lv + 14) / 2	(Lv - 6) / 2	(Lv - 6) / 2	---	(Lv / 2) + 35
	Larguras 3 fls	(Lv + 66) / 3	(Lv + 46) / 3	(Lv + 46) / 3	(LV + 50) / 3	---
	Larguras 3 fls c/ CS.58	(Lv - 20) / 3	(Lv - 40) / 3	(Lv - 40) / 3	---	---
	Larguras 4 fls c/ CS.58	(Lv + 32) / 4	(Lv + 12) / 4	(Lv + 12) / 4	---	---
	Alturas	Hv - 44	Hv - 49	Hv - 46	Hv - 55	Hv - 58