

*View life  
through us...*



**Dawlia 21** For Producing Coloring Aluminum Profiles

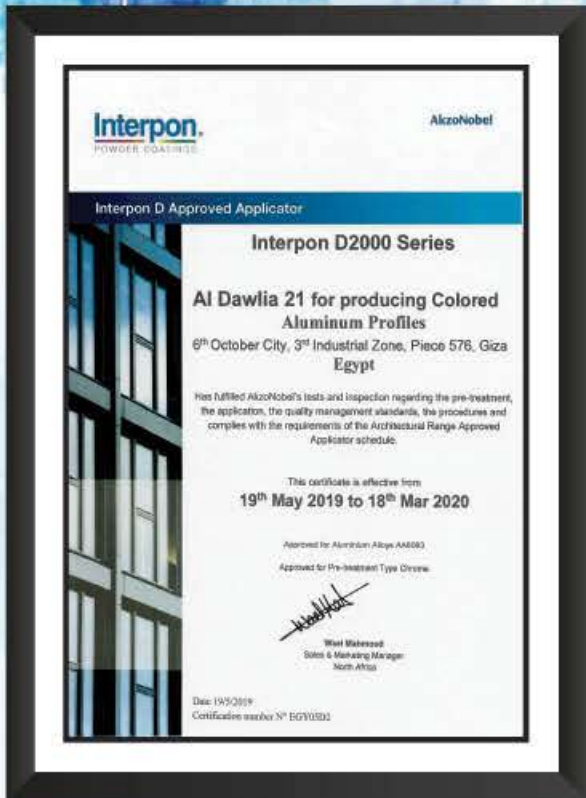
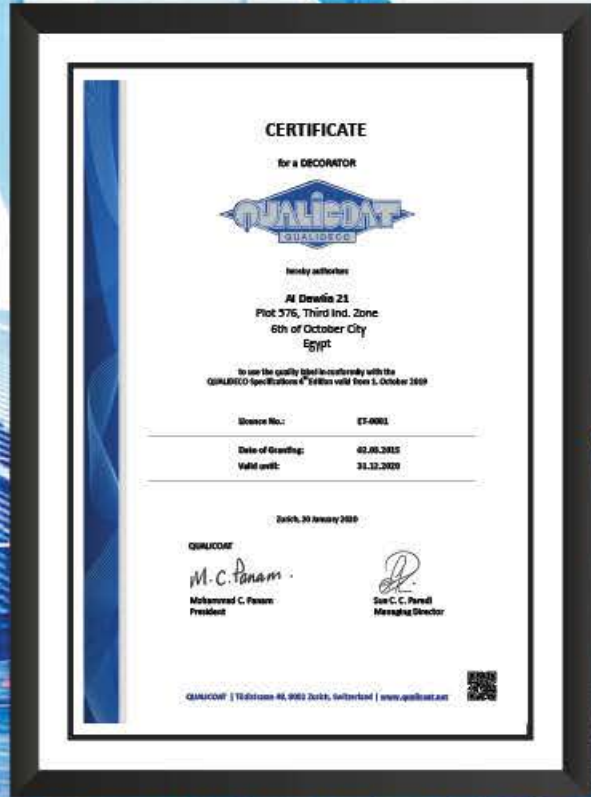


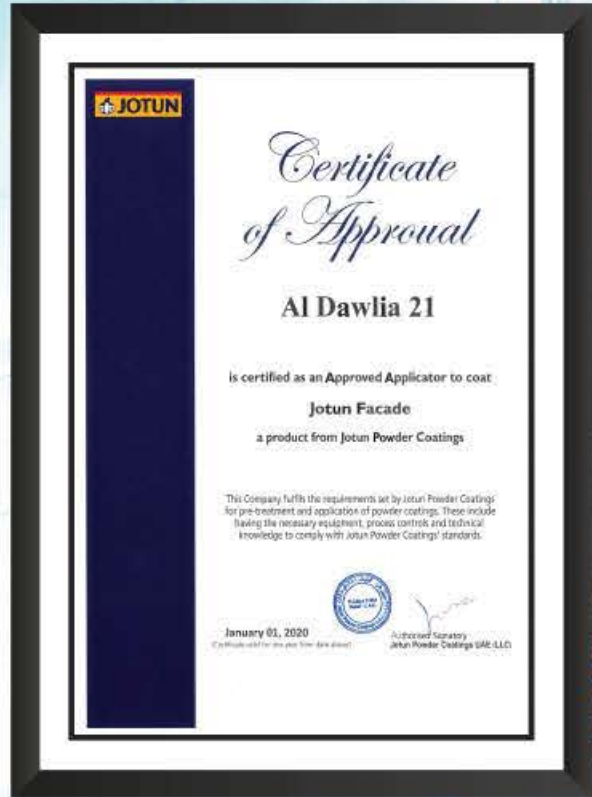
**ALCEO<sup>®</sup>**  
**VOLCANO 44**  
Aluminum Hinged System

## **INDEX**

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## SPECIFICATION TECHNIQUE TECHNICAL SPECIFICATION

### PROFILS:

Ce système a été étudié et conçu par Alceo, pour la fabrication de fenêtre à frappe et coulissante. Il utilise les dernières technologies d'assemblage et de fabrication. Ce nouveau système est en conformité avec le standard Européen.

### NORMES PRINCIPALES:

Etudes et production: NF P24-101, NF P24-301, XP P24-400 et 401

Test et classification: NF EN 1026, NF EN 1027, NF EN 12211, NF EN 12207, NF EN 12208, NF EN 12210.

Performances thermiques et acoustiques: NF EN 410, NF EN 673, NF EN ISO 10077-1, PR EN 13947, NF EN ISO 140-4 et NF EN ISO 140-5.

### MATIERE:

Le profil extrudé est en alliage d'aluminium (Al Mg Si) 6060 (norme NF EN 573-3, NF EN 755-1 and 2). Les tolérances sont conformes à la norme NF EN 12020-1 et 2).

### TRAITEMENT THERMIQUE:

T4-T5-T6

### PROTECTION:

Classe d'anodisation :  
classe 15 (15-20 microns)  
Classe 20 (20-25 microns) en option  
L'anodisation est conforme au label qualité QUALANOAD EWWA/EURAS

### ACCESSOIRES:

Tous les accessoires, produits et joints sont conçus pour le système Alceo.  
Utilisation de matériaux de haute qualité.  
Visserie: Acier inoxydable 18/10  
Joint: EPDM  
Autres: Polyamide, Zamack, Fonte d'aluminium

### PROFILES:

This system studied and designed by Alceo is specific for hinged and sliding windows. Using the last technology for fixing and manufacturing operation. This new system is in conformance with French European standard.

### MAIN NORMS:

Study and production: NF P24-101, NF P24-301, XP P24-400 and 401

Test and classification: NF EN 1026, NF EN 1027, NF EN 12211, NF EN 12207, NF EN 12208, NF EN 12210.

Thermic and noise performance: NF EN 410, NF EN 673, NF EN ISO 10077-1, PR EN 13947, NF EN ISO 140-4 and NF EN ISO 140-5.

### MATERIAL:

The extracted profile are in aluminum alloy (Al Mg Si) 6060 (norm NF EN 573-3, NF EN 755-1 and 2). All tolerance are specific norm NF EN 12020-1 and 2).

### THERMICAL TREATMENT:

T4-T5-T6

### PROTECTION:

Anodized class 15 (15-20 microns)  
Class 20 (20-25 microns) in option  
Anodisation will be conforms to the quality label QUALANOAD EWWA/EURAS

### ACCESSORIES:

All accessories, hardware or gaskets are designed for Alceo system.  
High quality material using.  
Screw: Stainless steel 18/10  
Gasket: EPDM  
Other: Polyamide, Zamack, Cast aluminum

## SPECIFICATION TECHNIQUE TECHNICAL SPECIFICATION (suite)

### CONCEPT PRODUIT:

Coulissant, frappe de type traditionnel.

### CADRE FIXE:

Le cadre fixe est de forme tubulaire

### CHASSIS OUVRANT:

Coté et montant central sont de forme tubulaire.

### ASSEMBLAGE:

Cadre dormant : Coupe a 45° assemblé par equerres vissées.

Cadre ouvrant : Coupe a 45° assemblé par equerres vissées.

### VITRAGE :

Simple ou double vitrage, de 6 mm a 22 mm maintenu par des joints en EPDM clippé sur le panneau avec un prise en feuillure minimum de 20mm. Le chassis dot être monté à l'intérieur de la maconerie.

### ETANCHEITE:

L'étanchéité est assuré par un joint central en EPDM. Une secande barrière est incluse dans le dormant au cenre du chassis (frappe). ;les joints sont en EPDM, ou Silicone.

Les fenêtres et les portes, assure un excellent drainage.

### CONCEPT PRODUIT:

Sliding windows, window doors , traditional

### FIXED FRAMES:

Fixed frame of form design and tubular section.

### OPENNIING FRAMES:

Side and central of form design and tubular section.

### ASSEMBLY:

Door frames: out of cut of mitre by squares with pawn.

Opening: out of cut of mitre by squares with pawn.

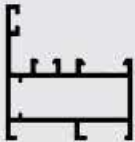
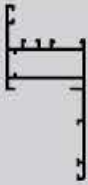
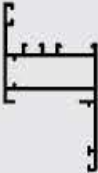
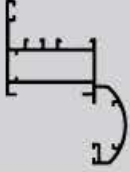
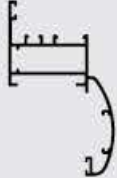
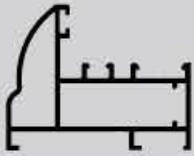
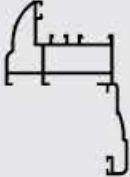
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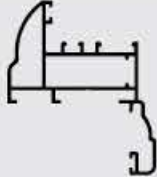
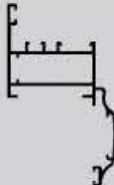
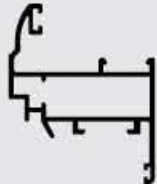
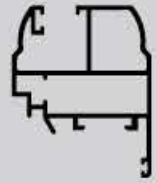
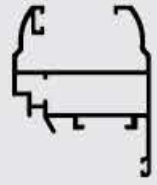
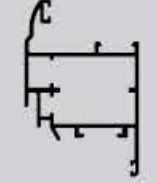
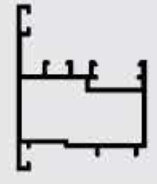
Simple or insulator of 6 with 22 mm maintained by joints in EPDM and a clipped panel a height minimum of 20mm (bottom of feuillure). The panel must obligatorily be with dimensions interior of construction

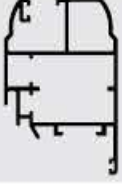
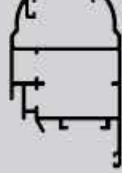
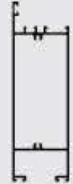
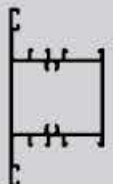

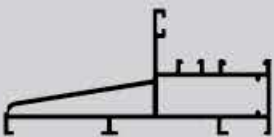

### SEALING:

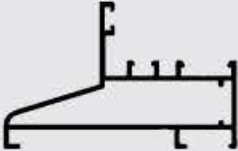
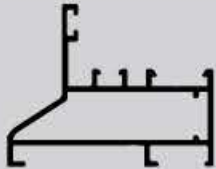





The sealing is guaranteed by a central sealing gasket in EPDM-ASTM tested. A second barrier, constituted by a sealing gasket, is on the flap by the inside overlap. Glazing is done with EPDM sealing gasket or silicone.



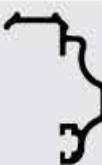





The windows and the door producers must guarantee an efficient drainage.

Profile Code No.	Profile	Description	Weight kg / m	Ix-x Cm4	Iy-y Cm4
DW 44100		WINDOW OUTER FRAME	0.714	3.739	6.888
DW 44101		WINDOW OUTER FRAME WITH LARGE ARCHITRAVE	0.922	18.423	10.605
DW 44102		WINDOW OUTER WITH ARCHITRAVE	0.854	10.245	9.636
DW 44103		WINDOW OUTER FRAME WITH ROUND ARCHITRAVE	0.999	15.016	15.769
DW 44104		WINDOW OUTER FRAME WITH LARGE ROUND ARCHITRAVE	1.051	24.749	16.946
DW 44105		WINDOW ROUND OUTER FRAME	0.920	5.283	12.755
DW 44106		WINDOW OUTER FRAME WITH LARGE ARCHITRAVE	1.249	27.559	23.653

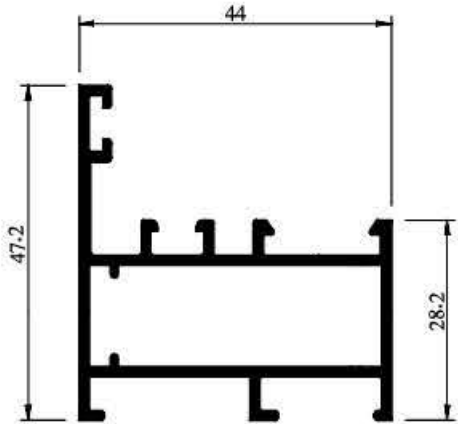
Profile Code No.	Profile	Description	Weight kg / m	Ix-x Cm4	Iy-y Cm4
DW 44107		WINDOW ROUND OUTER FRAME WITH ARCHITRAVE	1.154	15.803	20.957
DW 44108		WINDOW ROUND OUTER FRAME WITH ARCHITRAVE	1.002	24.250	16.805
DW 44200		WINDOW SASH	0.883	6.703	11.138
DW 44201		FULL WINDOW SASH SINGLE GLAZING	1.090	10.761	12.530
DW 44202		FULL WINDOW SASH DOUBLE GLAZING	0.962	8.714	12.501
DW 44203		LARGE WINDOW SASH	1.097	15.322	14.822
DW 44204		DOUBLE IEAF ADAPTOR	0.781	5.804	7.622

Profile Code No.	Profile	Description	Weight kg / m	Ix-x Cm4	Iy-y Cm4
DW 44205		FULL WINDOW LARGE SASH SINGLE GLAZING	1.305	22.646	16.383
DW 44206		FULL WINDOW LARGE SASH DOUBLE GLAZING	1.177	18.843	16.337
DW 44301		DOOR BOTTOM RAIL	1.594	113.055	20.051
DW 44302		TRANSOM	1.039	17.174	10.133
DW 44304		LARGE TRANSOM	1.503	95.392	17.919
DW 44305		FIXED 100mm	1.187	4.901	37.616
DW 44306		FIXED 80mm	0.936	4.357	20.128

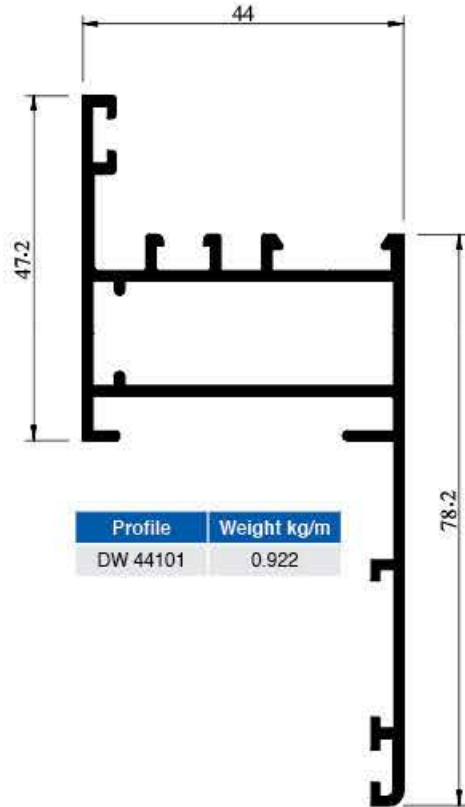
Profile Code No.	Profile	Description	Weight kg / m	Ix-x Cm4	Iy-y Cm4
DW 44307		FIXED 75mm	0.906	4.295	17.259
DW 44308		FIXED 60mm	0.805	4.080	10.566
DW 44400		SINGLE GLZING BEED	0.258		
DW 44401		DOUBLE GLZING BEED	0.213		
DW 12300		DECORATIVE ARCHITRAVE 50 mm	0.369		
DW 12301		DECORATIVE ARCHITRAVE 34 mm	0.295		
DW 12302		ARCHITRAVE FLAT 50 mm	0.307		

Profile Code No.	Profile	Description	Weight kg / m	Ix-x Cm4	Iy-y Cm4
DW 12303		ARCHITRAVE FLAT 34 mm	0.237		
DW 12304		ARCHITRAVE 50 mm	0.357		
DW 12305		ARCHITRAVE 34 mm	0.280		
DW 12308		ROUND ARCHITRAVE 50 mm	0.365		
DW 12309		ROUND ARCHITRAVE 34 mm	0.298		
DW 12310		CURVED ARCHITRAVE 50 mm	0.355		
DW 12311		CURVED ARCHITRAVE 34 mm	0.273		
DW 44500		CREMONE PROFILE	0.175		

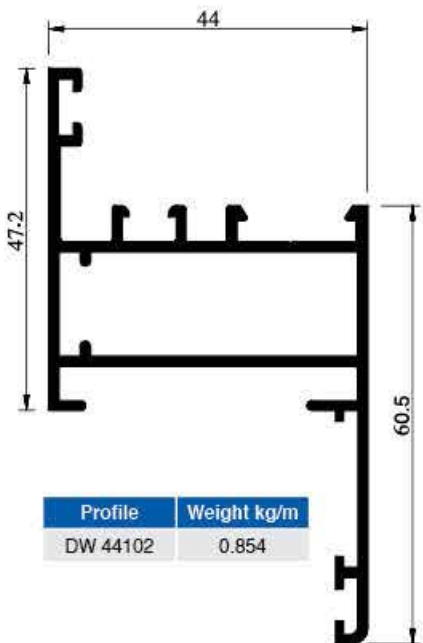




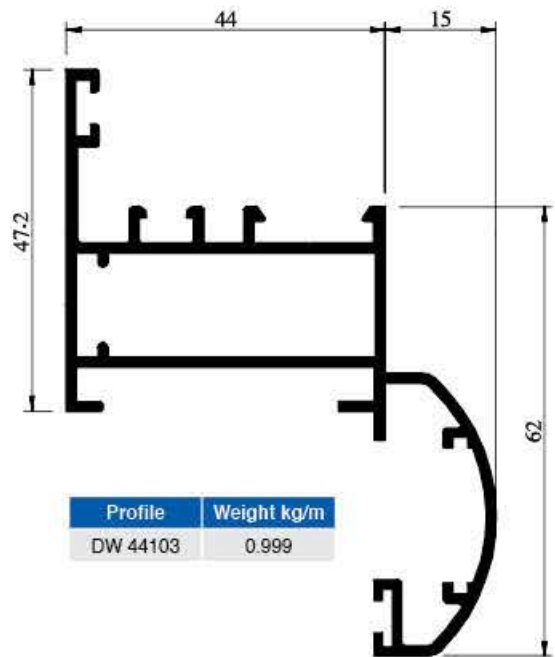
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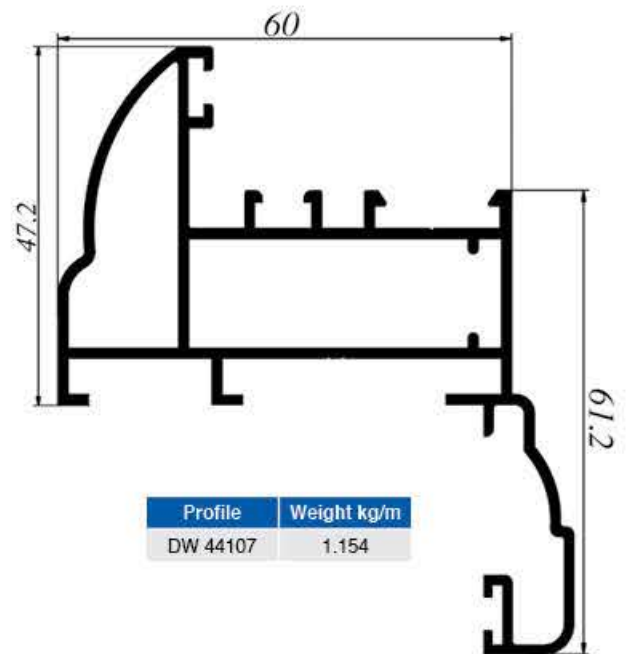
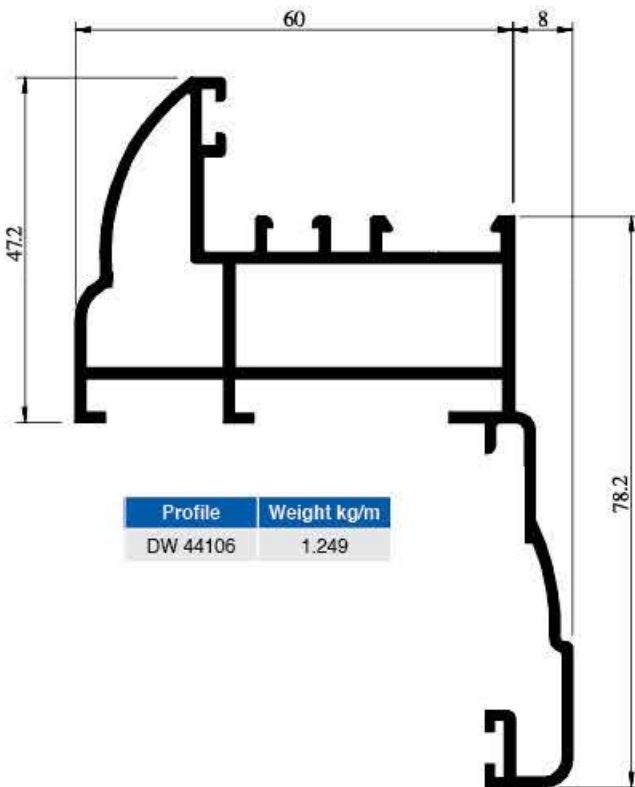
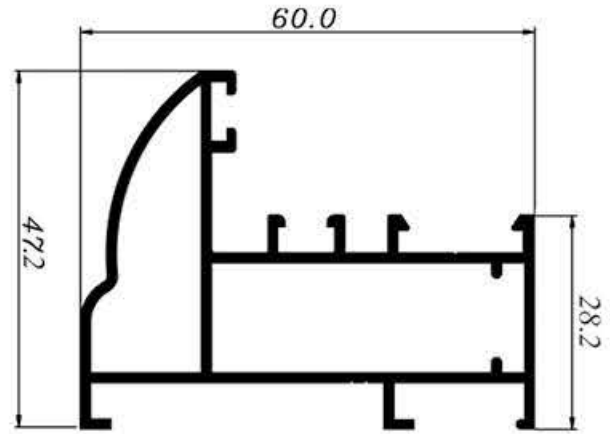
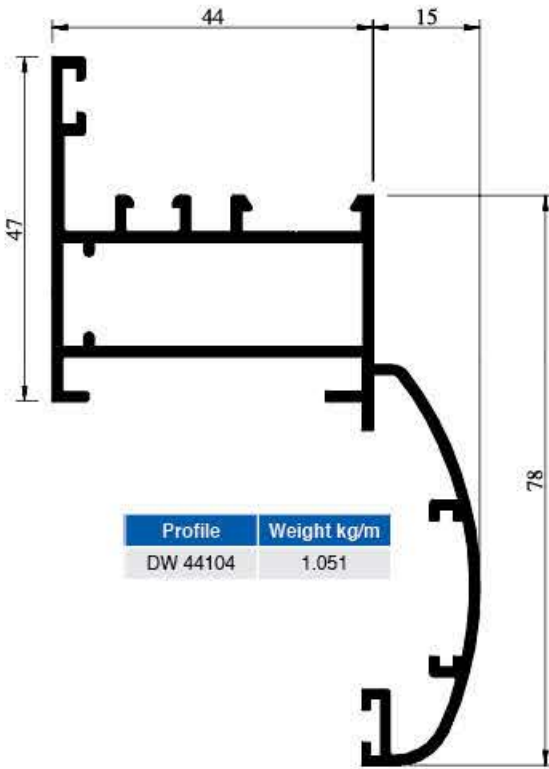
Profile	Weight kg/m
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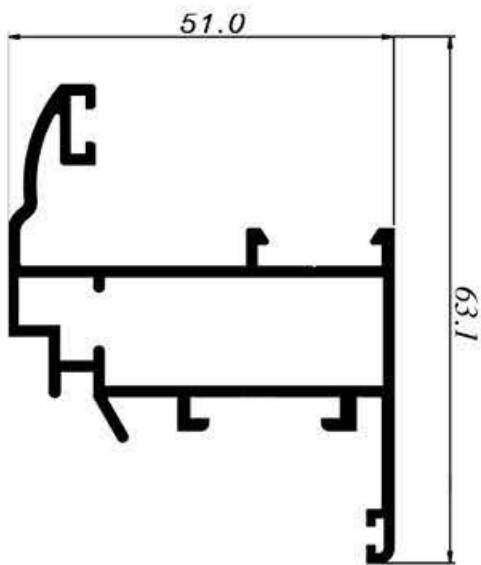
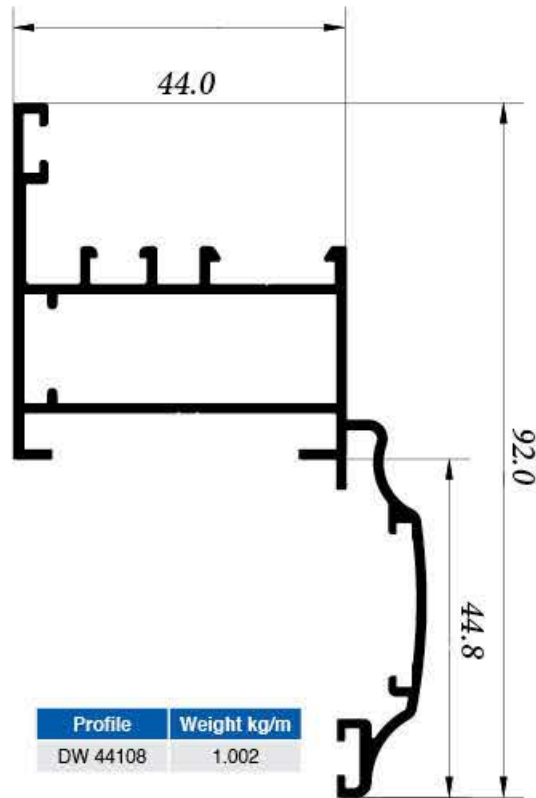


Profile	Weight kg/m
DW 44102	0.854

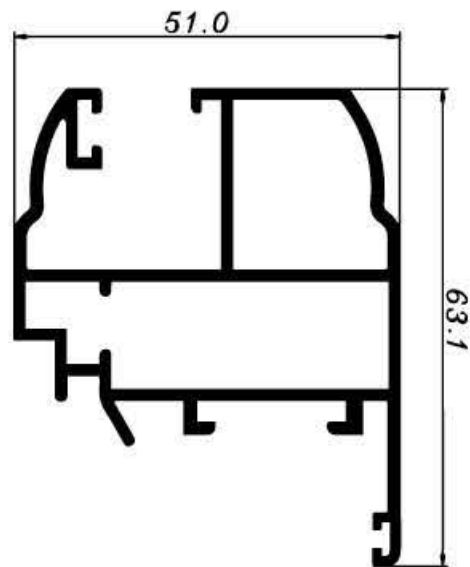


Profile	Weight kg/m
DW 44103	0.999

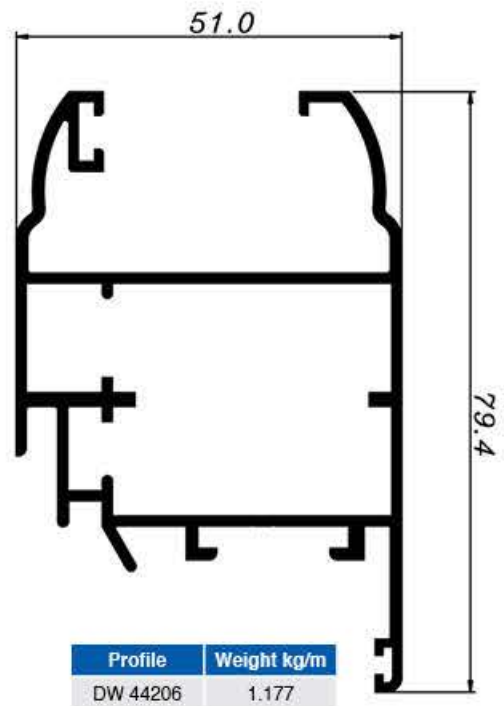
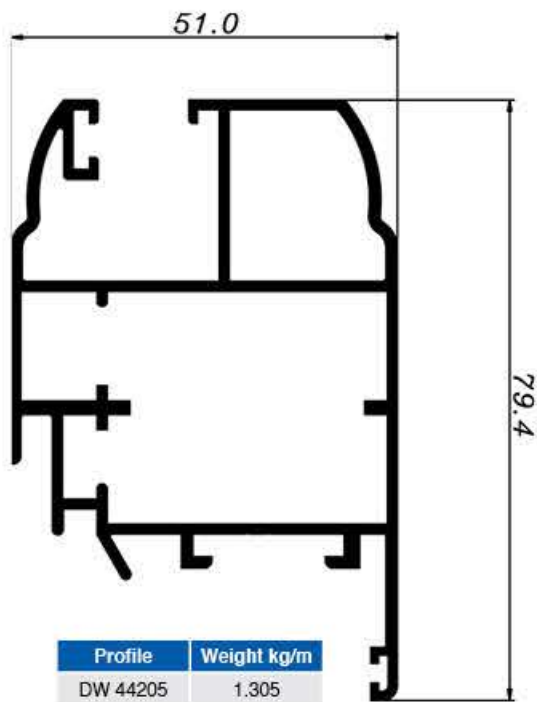
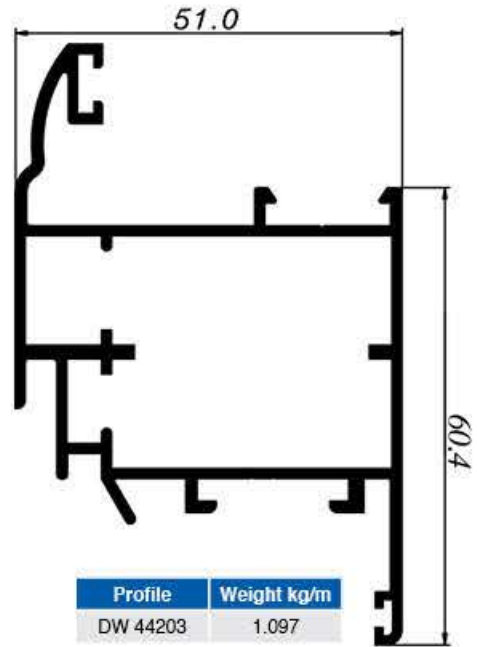
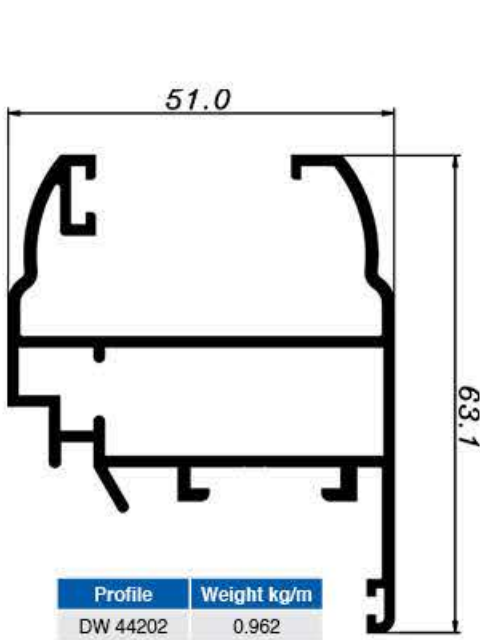


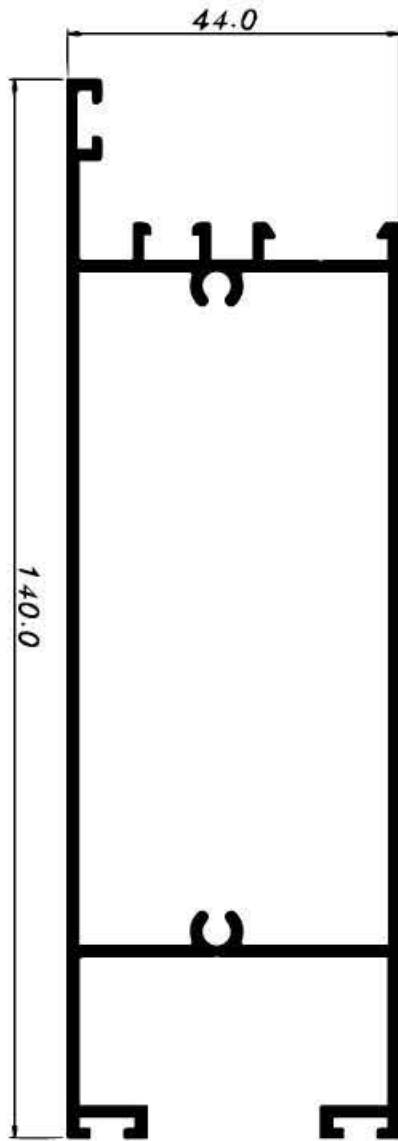


Profile	Weight kg/m
DW 44200	0.883

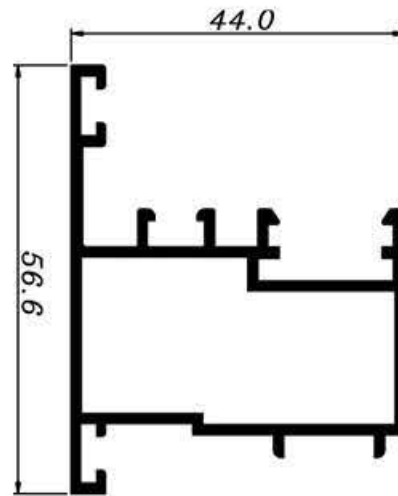


Profile	Weight kg/m
DW 44201	1.090

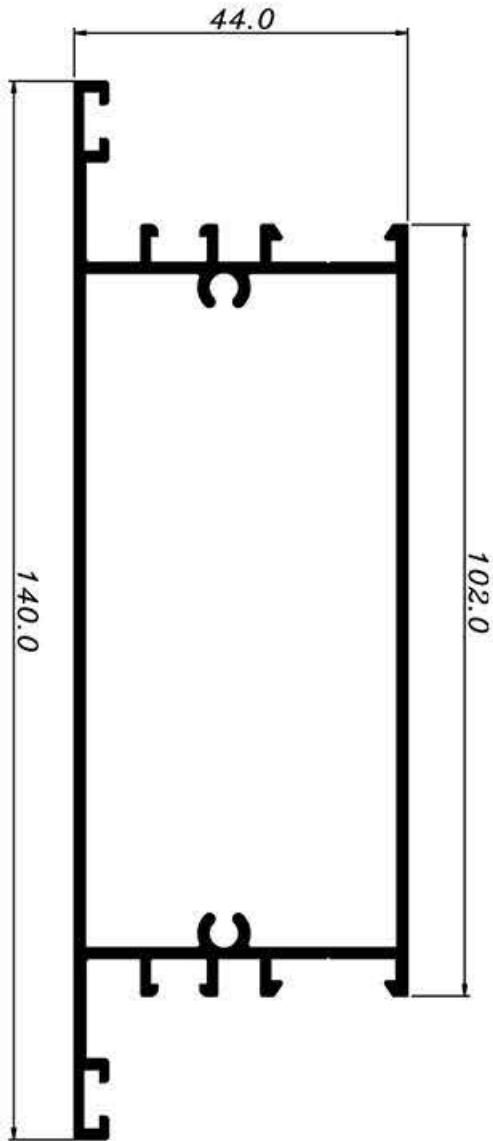




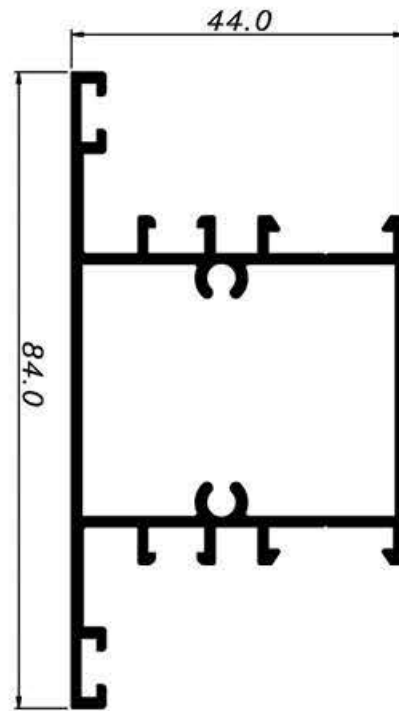
Profile	Weight kg/m
DW 44301	1.594



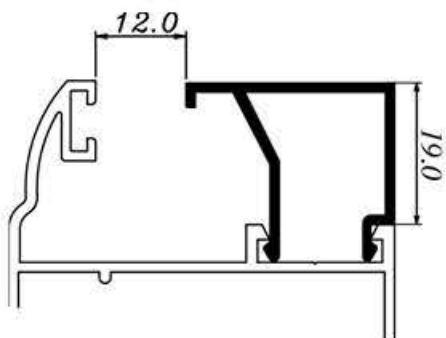
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DW 44204	0.781



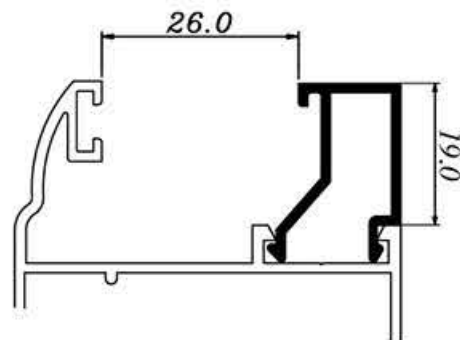
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DW 44304	1.503



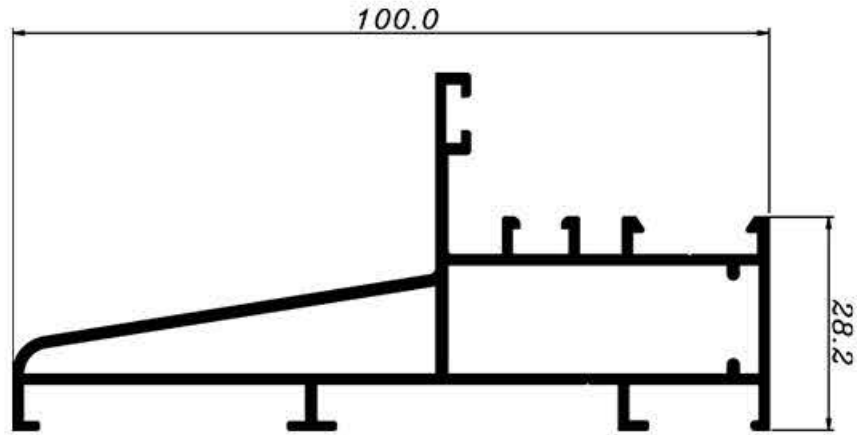
Profile	Weight kg/m
DW 44302	1.039



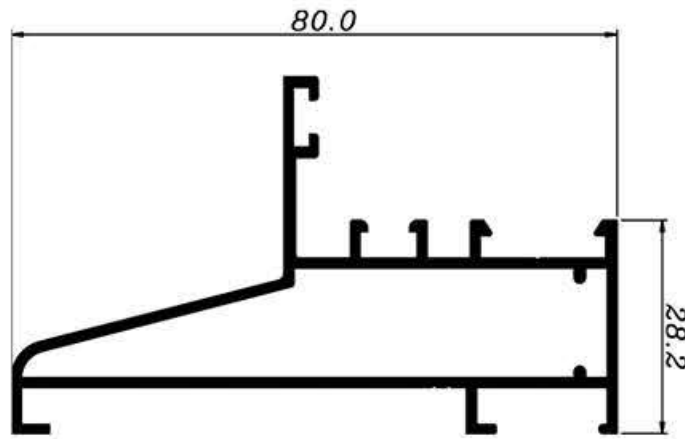
Profile	Weight kg/m
DW 44400	0.258



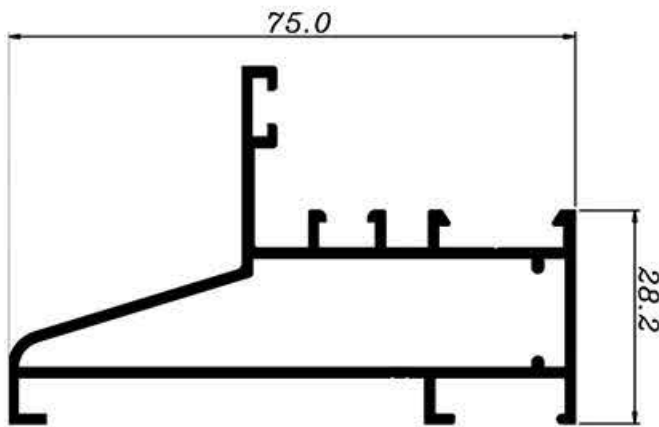
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DW 44401	0.213



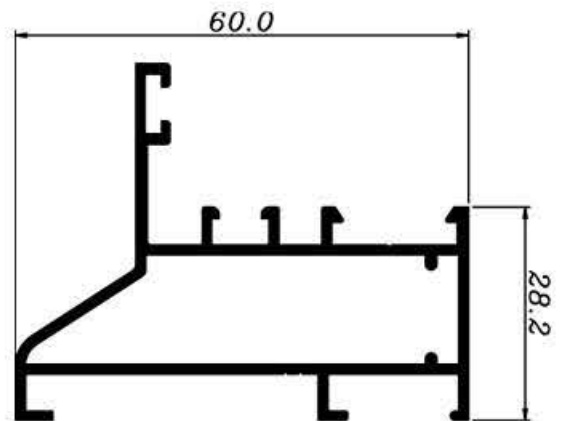
Profile	Weight kg/m
DW 44305	1.187



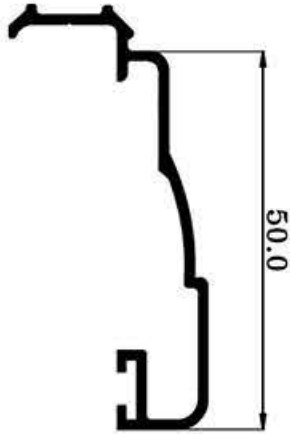
Profile	Weight kg/m
DW 44306	0.936



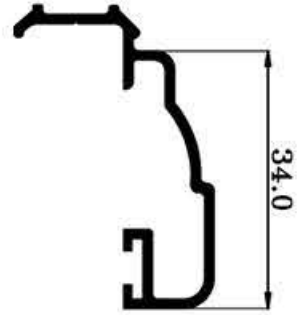
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DW 44307	0.906



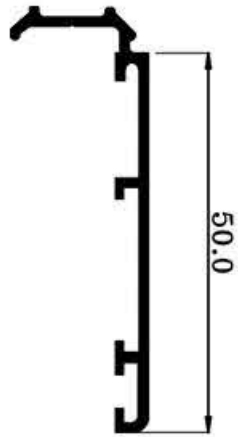
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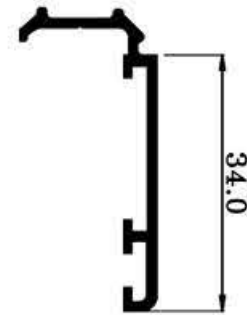
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DW 12300	0.369



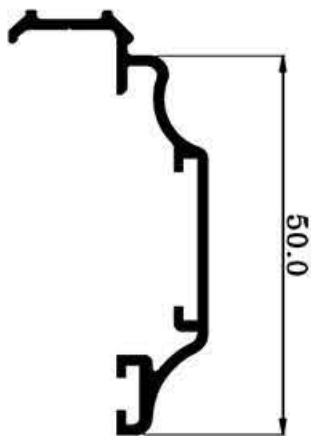
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DW 12301	0.295



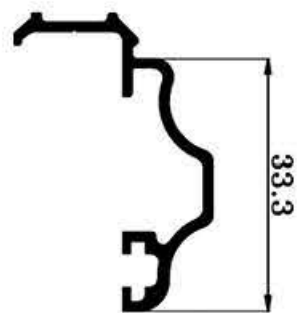
Profile	Weight kg/m
DW 12302	0.307



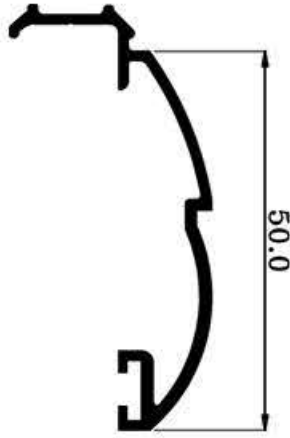
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DW 12303	0.237



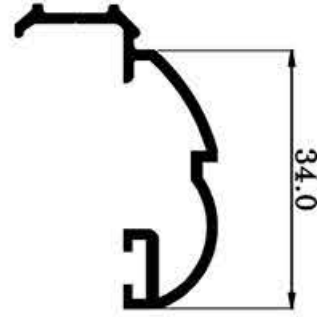
Profile	Weight kg/m
DW 12304	0.357



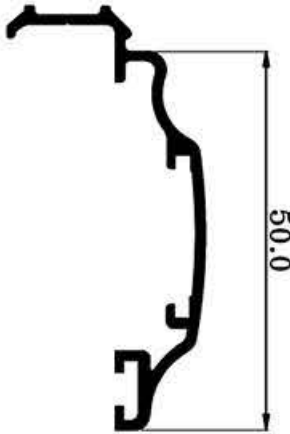
Profile	Weight kg/m
DW 12305	0.280



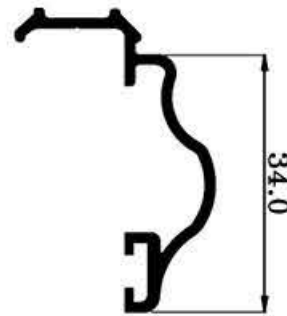
Profile	Weight kg/m
DW 12308	0.365



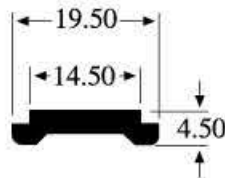
Profile	Weight kg/m
DW 12309	0.298



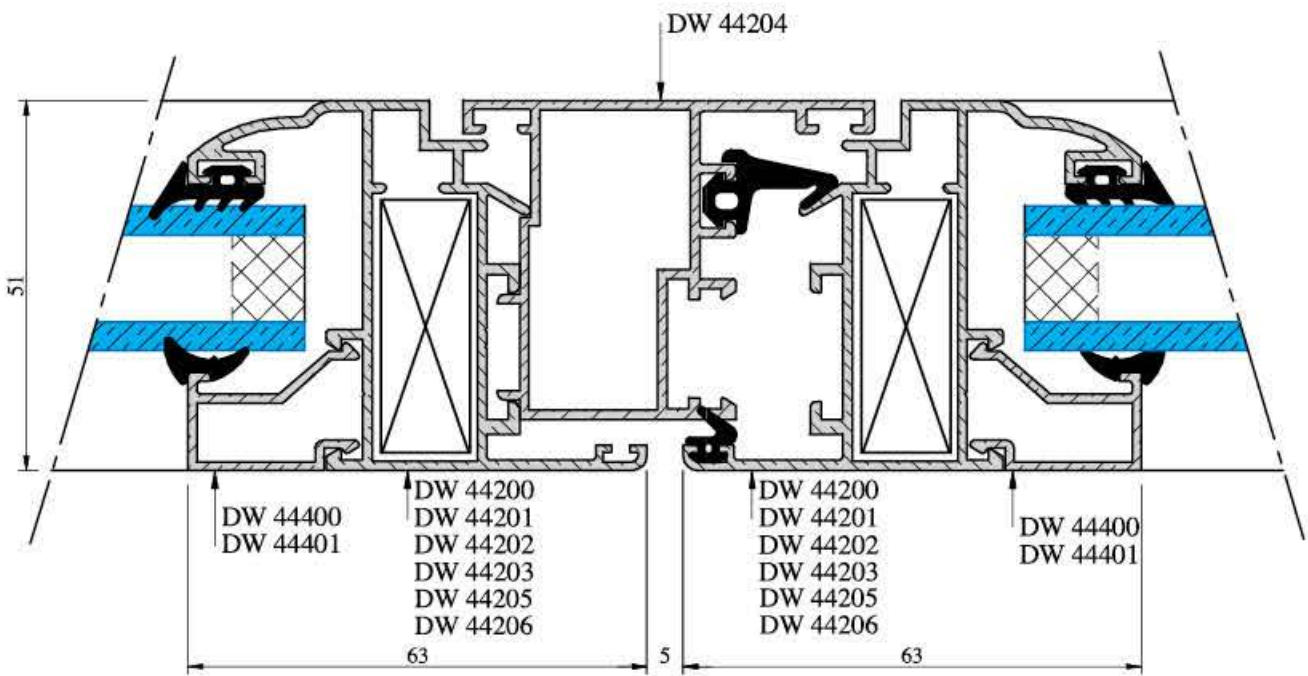
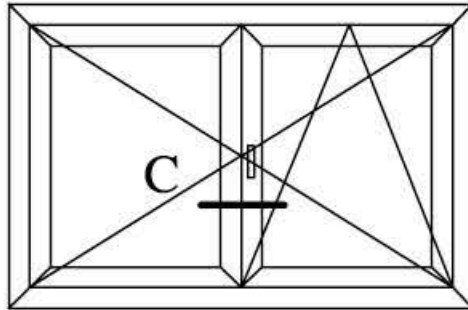
Profile	Weight kg/m
DW 12310	0.355



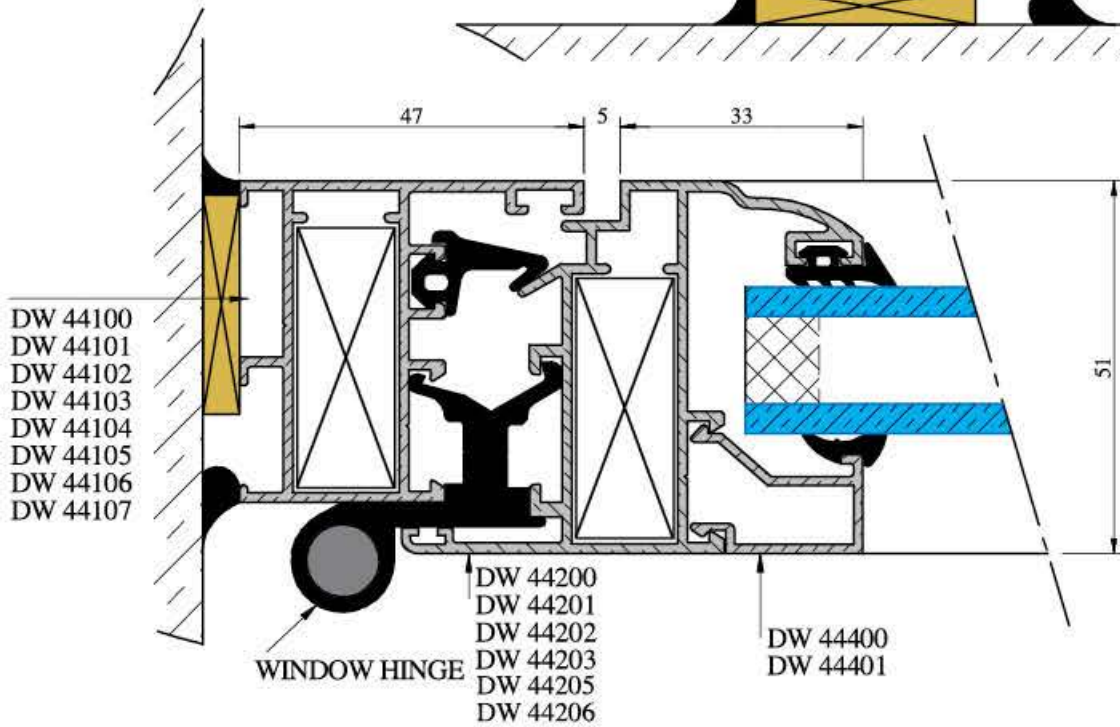
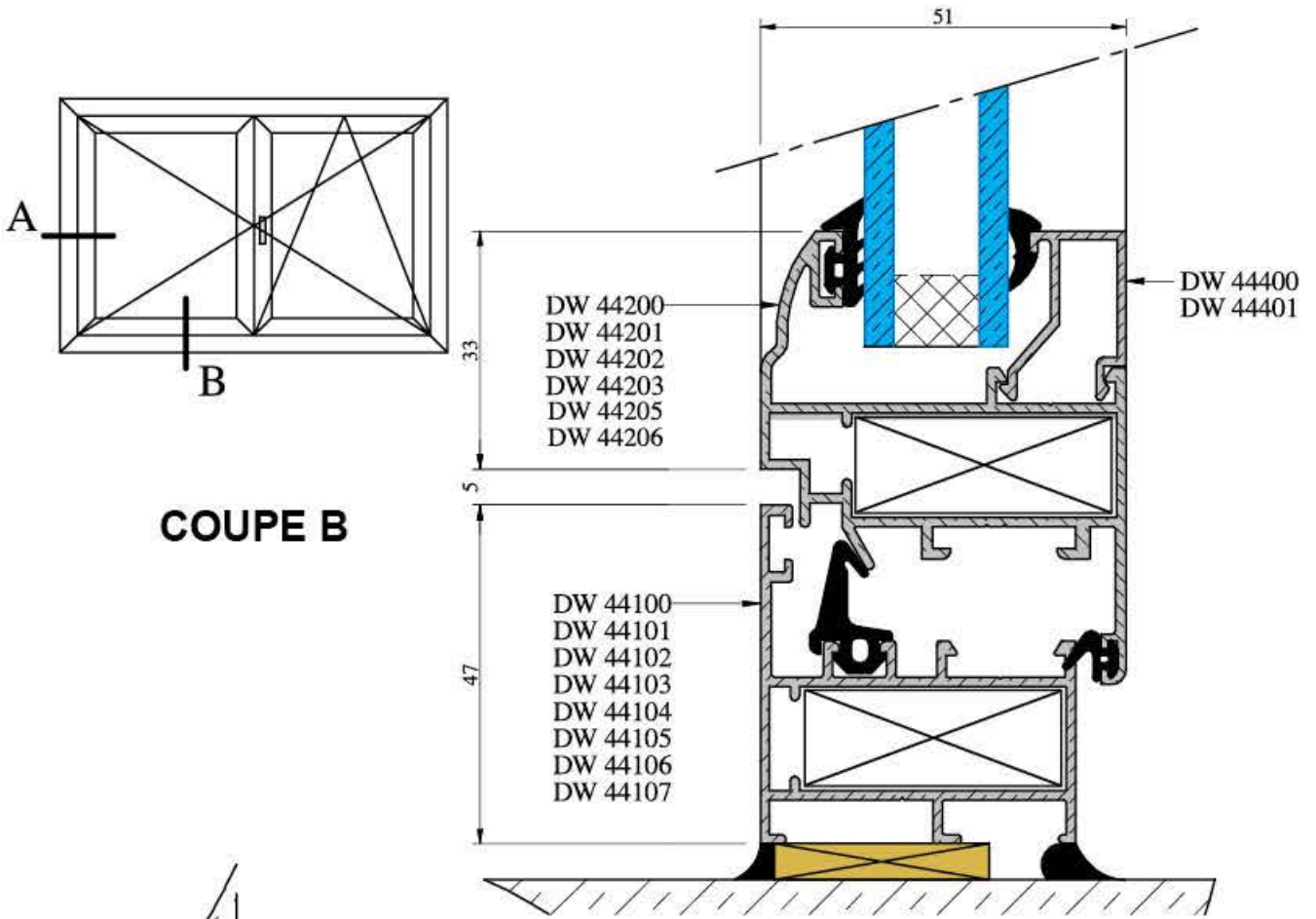
Profile	Weight kg/m
DW 12311	0.273



Profile	Weight kg/m
DW 44500	0.175

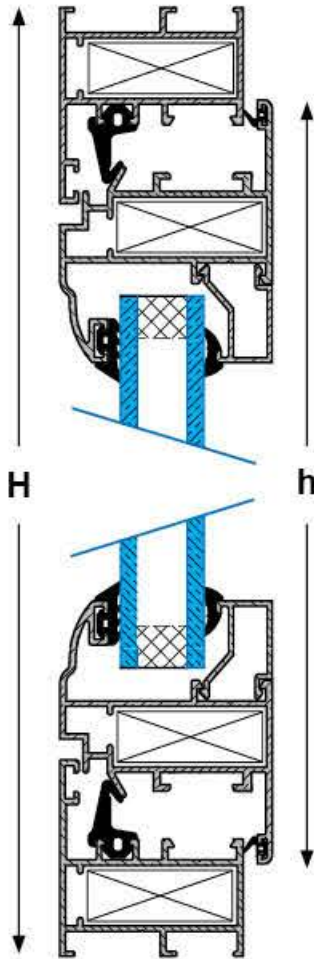


**COUPE C**

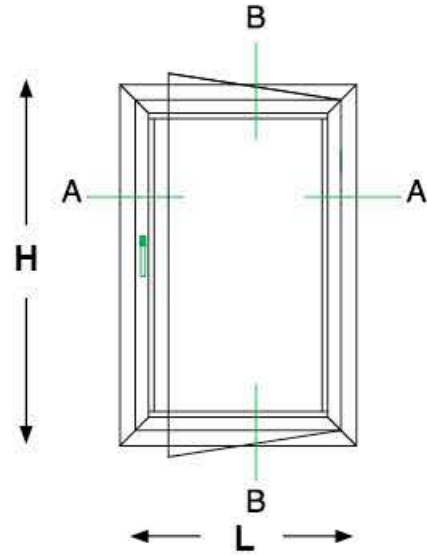


**COUPE A**

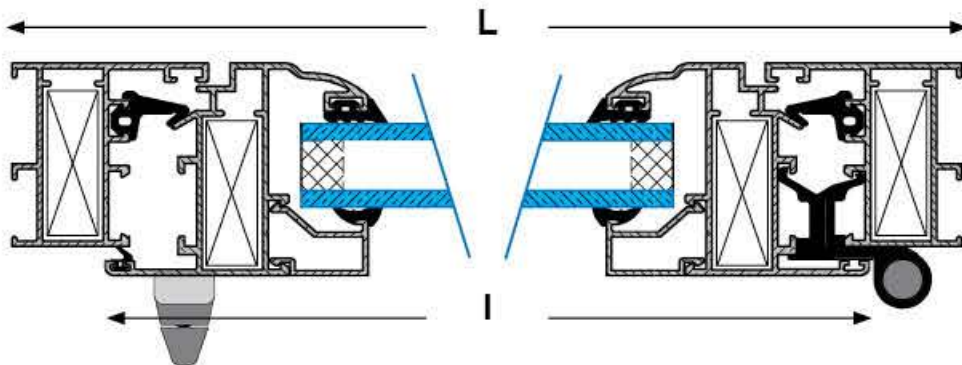
## Fenêtre 1 Vantail



**COUPE B-B**

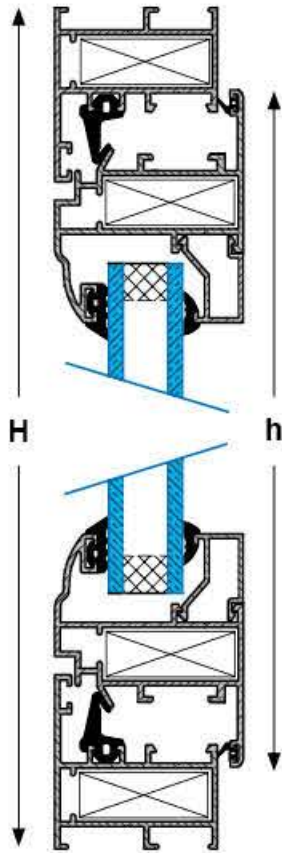


CUTTING LIST			
Shape	Prof. No.	QTY.	Cutting Length (mm)
	DW 44100	2	L
		2	H
	DW 44200	2	L - 45
		2	H - 45
	DW 44401	2	L - 132
		2	H - 170
Glass		1	L - 142
			H - 142

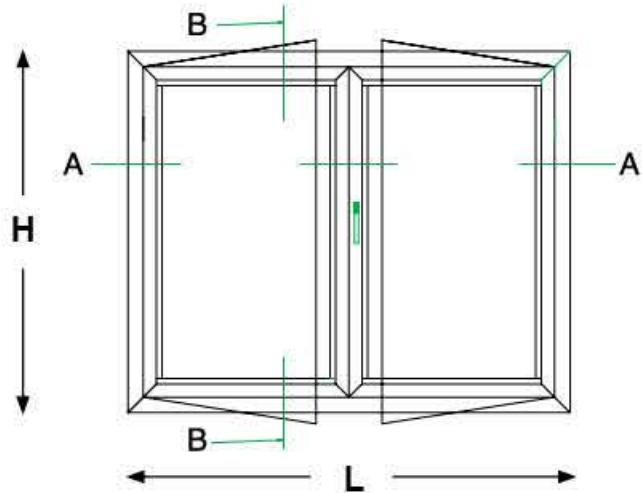


**COUPE A-A**

## Fenêtre 2 Vantaux

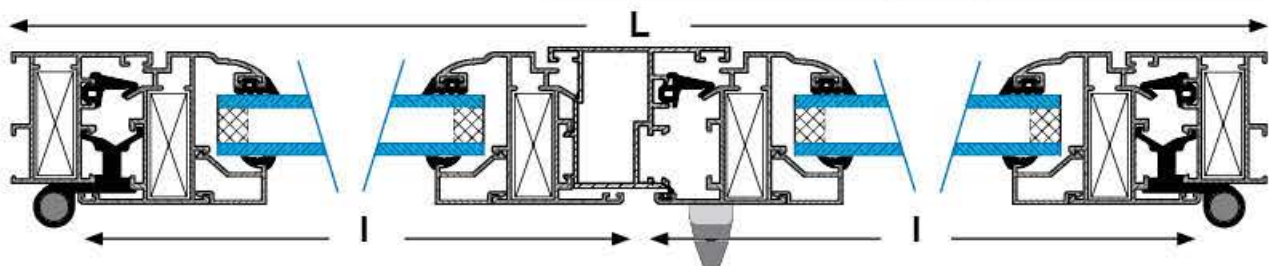


**COUPE B-B**

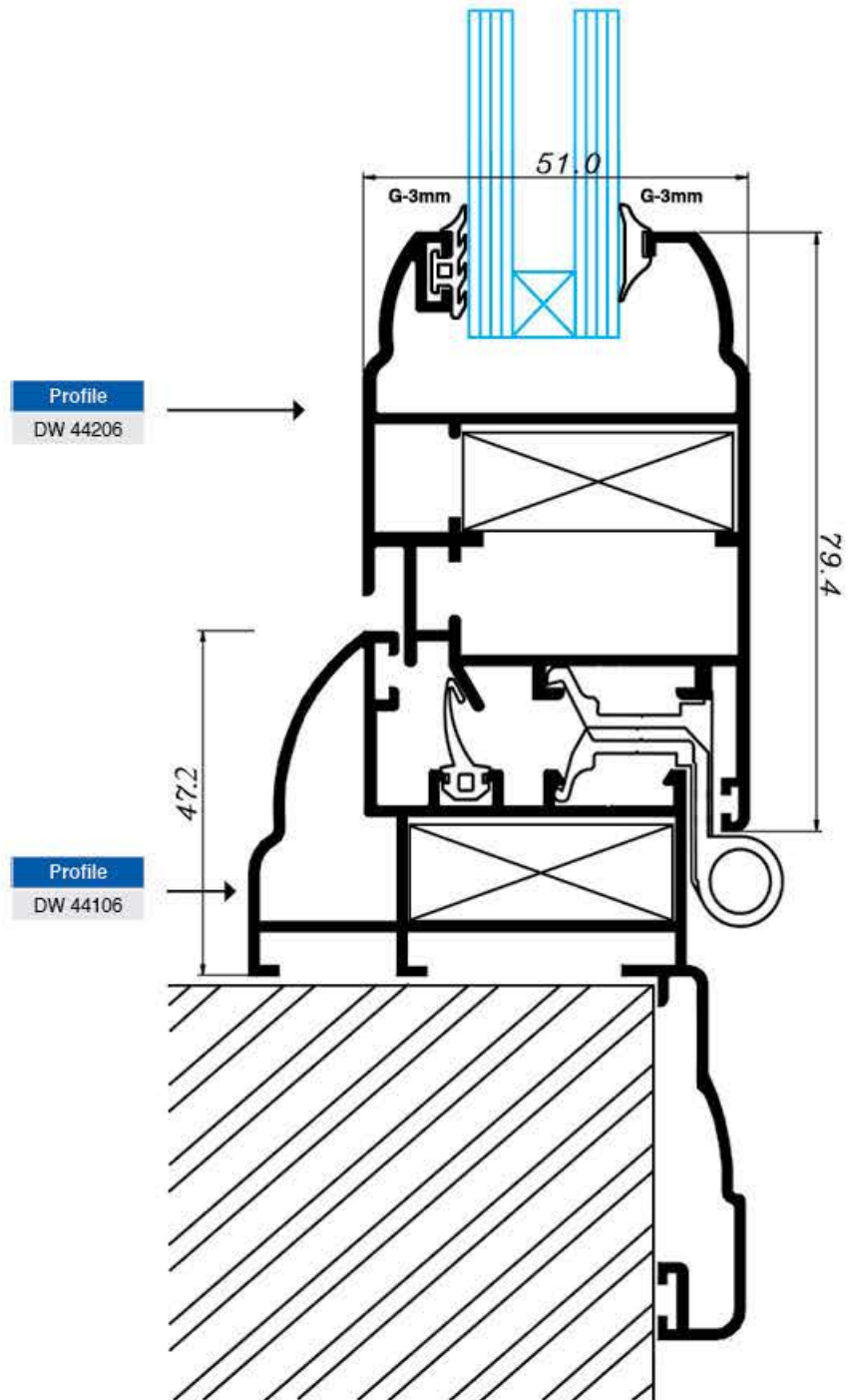


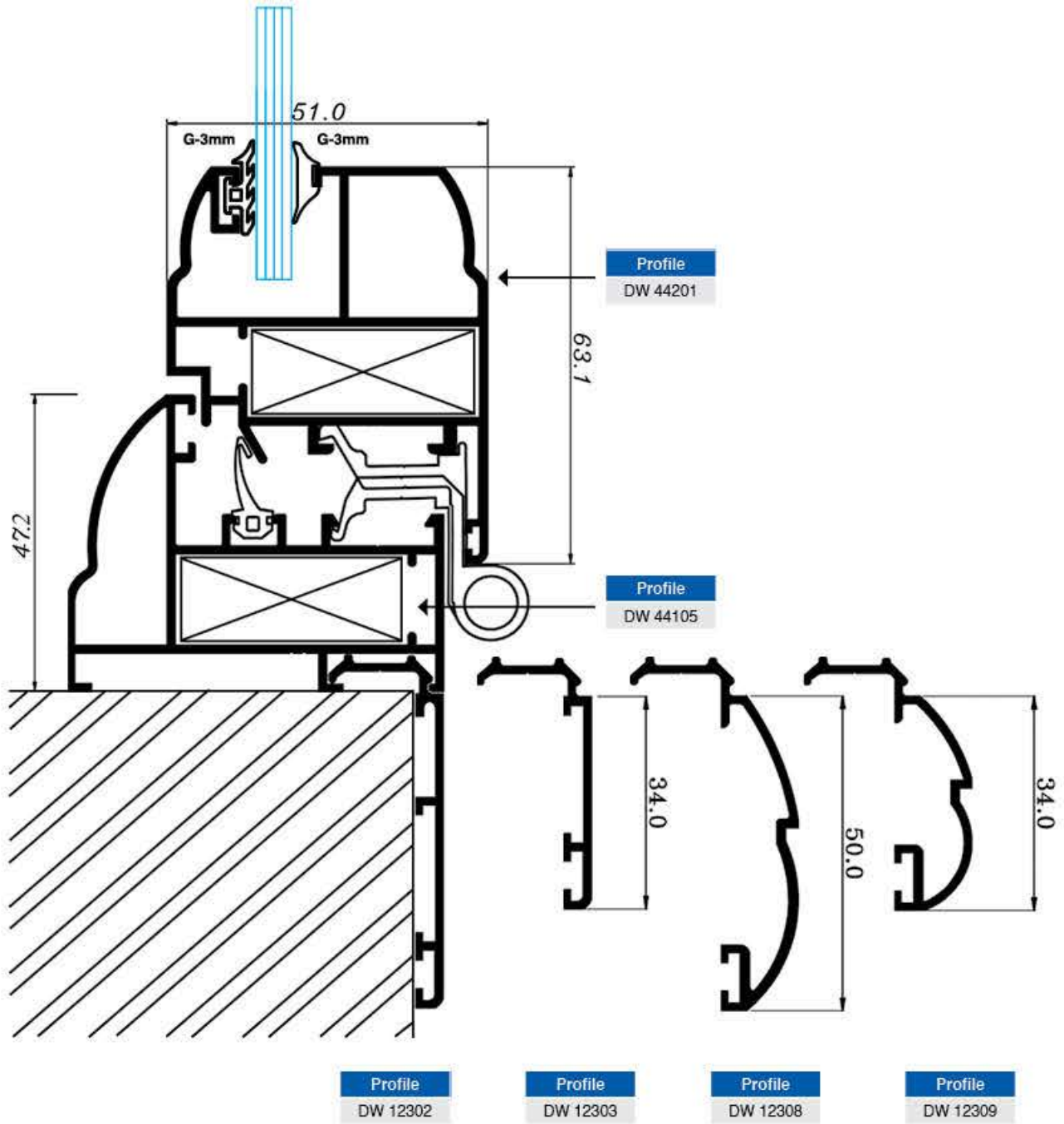
### CUTTING LIST

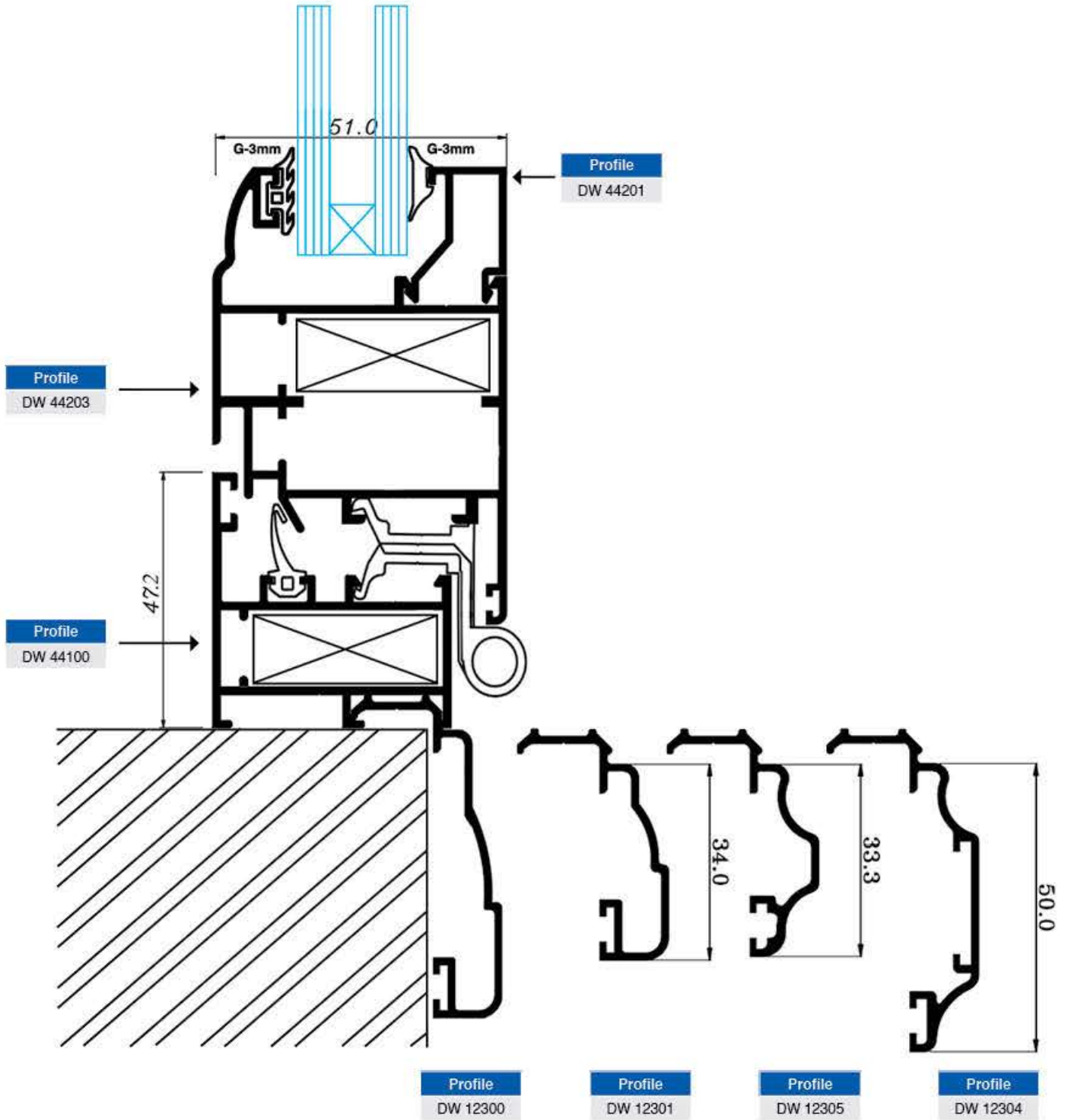
Shape	Prof. No.	QTY.	Cutting Length (mm)
	DW 44100	2	L
		2	H
	DW 44200	4	$(L - 52) / 2$
		4	H - 45
	DW 44204	1	H - 104
	DW 44401	4	$(L - 303) / 2$
		4	H - 170
Glass		2	$(L - 245) / 2$
			H - 142



**COUPE A-A**







Code	Drawing	Description	Material
WH-620-05		PORTOGUESE CREMON HANDEL	ALUMINIUM
06-2701-03A		PORTOGUES HINGE	ALUMINIUM
BOLT-1542		FLASH BOLT	PVC
KIT-10451-CH		LOCKING KIT	PVC
01-4161		CORNER JOINT FOR FRAME & SASH	ALUMINIUM
MR-6005		END COVER	PVC
AVR.20300		GENTRAL GASKET	EPDM
AVR.02260		REPEAT GASKET	EPDM
AVR.03`		GLASS GASKET 3 mm	EPDM