

ALCEO[®]
VOLCANO 120
Aluminum Sliding System

INDEX

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Certificate of Registration

Intertek

This is to certify that the quality management system of

AI Dawlia 21 for Producing Coloring Aluminium Profiles

Piece 576,
Third Industrial Zone,
6th October City,
Egypt



has been assessed and registered by Intertek as conforming to the requirements of

ISO 9001:2008

The quality management system is applicable to:

Whole sales of coated aluminium

Certificate Number: 16407
Issue Date: 4th December 2013
Original Issue Date: 1st December 2010
Expiry Date: 30th November 2018

Authorized Signatory: Cate McKeown - President, Business Assurance
Intertek Certification Limited, 104 Victory Park, Victory Road, Dún Laoghaire, Dublin 24, Ireland

Intertek Certification Limited is a UKAS accredited body under schedule of accreditation no. 174.

In the absence of the certificate holder's consent, no liability is accepted other than to the Client, and then only in accordance with the agreed upon Certification Agreement. This certificate is valid only in respect of the information appearing hereon and is not intended to be used as evidence of compliance with any other standards, regulations or requirements. Liability may be assumed by other parties and Intertek is not liable for allowing the certificate to be issued.

The certificate remains the property of Intertek, to whom it must be returned upon request.

CI-04048-16001-2008-UKAS-005-44-P-02-pn-12

Certificate of Registration

Intertek

This is to certify that the environmental management system of

AI Dawlia 21 for Producing Coloring Aluminium Profiles

Piece 576,
Third Industrial Zone,
6th October City,
Egypt

has been assessed and registered by Intertek as conforming to the requirements of:

ISO 14001:2004

The environmental management system is applicable to the management of the environmental aspects related to:

Whole sales of coated aluminium

Certificate Number: 16407
Issue Date: 4th December 2013
Original Issue Date: 1st December 2010
Expiry Date: 30th November 2018




Authorized Signatory: Cate McKeown - President, Business Assurance
Intertek Certification Limited, 104 Victory Park, Victory Road

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The certificate remains the property of Intertek, to whom it must be returned upon request.

CI-04048-16001-2004-UKAS-005-44-P-02-pn-12

Certificate of Registration

Intertek

This is to certify that the occupational health and safety management system of

AI Dawlia 21 for Producing Coloring Aluminium Profiles

Piece 576,
Third Industrial Zone,
6th October City,
Egypt



has been assessed and registered by Intertek as conforming to the requirements of

OHSAS 18001:2007

The occupational health and safety management system is applicable to the management of occupational health and safety risks associated with:

Whole sales of coated aluminium

Certificate Number: 16407
Issue Date: 4th December 2013
Original Issue Date: 1st December 2010
Expiry Date: 30th November 2018

Authorized Signatory: Cate McKeown - President, Business Assurance
Intertek Certification Limited, 104 Victory Park, Victory Road, Dún Laoghaire, Dublin 24, Ireland

Intertek Certification Limited is a UKAS accredited body under schedule of accreditation no. 174.

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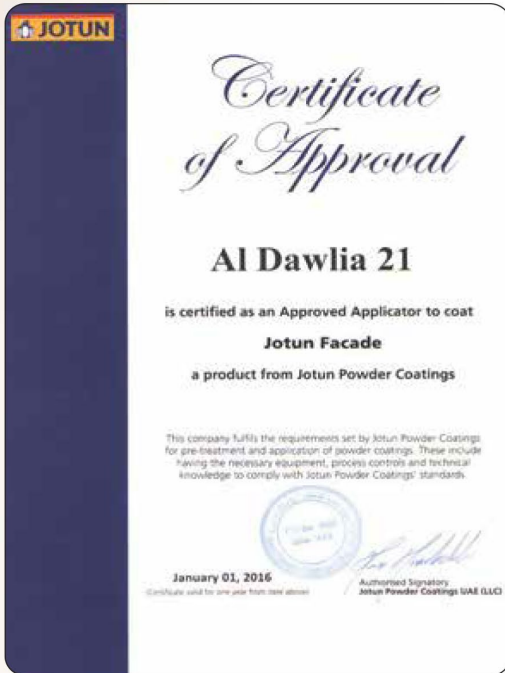
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CI-04048-16001-2007-UKAS-005-44-P-02-pn-12

VOLCANO 120

ALCEO Systems

Dawlia 21



**Authorization
to use the quality sign**



This is to certify that
DAWLIA21 FOR PRODUCING COLORED ALUMINIUM PROFILES
3rd Industrial Zone, Block E, Land # 114
EG - 12566 6 October City

Licence number: 1601

is authorized to use the quality sign which is shown above according to the REGULATIONS FOR THE USE OF THE QUALICOAT QUALITY SIGN FOR PAINT, LACQUER AND POWDER COATINGS ON ALUMINIUM FOR ARCHITECTURAL APPLICATIONS.

Date of issue of the licence: 20.08.2009
Period of validity of the licence: until 31.12.2016

Zurich, 17 November 2015

QUALICOAT

M.C. Panam
Mohammed C. Panam
President

CERTIFICATION BODY

Josef Schoppig
Josef Schoppig
AC-Fiduciaire SA



Mailing address:
QUALICOAT, P.O. Box 1507, CH-8027 Zurich
Domicile:
QUALICOAT c/o AC-Fiduciaire SA, Todstrasse 47, CH-8002 Zurich

Phone: +41 (0)43 305 09 7079
Fax: +41 (0)43 305 09 98
E-mail: info@qualicoat.net
Internet: www.qualicoat.net

**LICENCE CERTIFICATE
AUTHORISATION TO USE
THE QUALITY MARK**



DECORATOR

This is to certify that

Al Dawlia 21

Plot 576, Third Ind. Zone - EG- 6th of October City

Licence Number: ET-0001

is authorised to use the quality mark shown above on approved decoration systems produced by suppliers certified by QUALIDECO and/or on decorations successfully tested according to the QUALIDECO Specifications (www.qualideco.eu).

Date of issue of the licence: 02.03.2015
Period of validity of the licence: until 31.12.2016

Zurich, 15 December 2015

QUALICOAT

M.C. Panam *Josef Schoppig* *Juan A. Bernabé*
Mohammed C. Panam Josef Schoppig Juan A. Bernabé
President General Secretary QUALIDECO Committee

QUALIDECO c/o QUALICOAT, P.O. Box 1507, CH-8027 Zurich - Domicile: Todstrasse 47, 8002 Zurich (Switzerland)
Tel: +41 43 305 09 7079 - Fax: +41 43 305 09 98 - E-Mail: info@qualideco.eu - Internet: www.qualideco.eu



Interpon D Approved Applicator

Interpon D1000 Series

**Al Dawlia 21 for producing Colored
Aluminum Profiles**

6th October City, 3rd Industrial Zone, Piece 576, Giza
Egypt

Has fulfilled AkzoNobel's tests and inspection regarding the pre-treatment, application, quality management standards and procedures, and complies with the requirements of the Architectural Range Approved Applicator schedule.

This certificate is effective from

12 February 2016 to 11 February 2017

Approved for Aluminium Alloys AA 6063

Approved for Pre-treatment Type Chrome

Esmeralda Maria Malo
Esmeralda Maria Malo
Business Development Manager
Middle East and Africa

Date: 16/02/2016

Certification number N° EGY05D1

AkzoNobel Powder Coatings SAE



Interpon D Approved Applicator

Interpon D2000 Series

**Al Dawlia 21 for producing Colored
Aluminum Profiles**

6th October City, 3rd Industrial Zone, Piece 576, Giza
Egypt

Has fulfilled AkzoNobel's tests and inspection regarding the pre-treatment, application, quality management standards and procedures, and complies with the requirements of the Architectural Range Approved Applicator schedule.

This certificate is effective from

12 February 2016 to 11 February 2017

Approved for Aluminium Alloys AA 6063

Approved for Pre-treatment Type Chrome

Esmeralda Maria Malo
Esmeralda Maria Malo
Business Development Manager
Middle East and Africa

Date: 16/02/2016

Certification number N° EGY05D2

AkzoNobel Powder Coatings SAE

SPECIFICATION TECHNIQUE TECHNICAL SPECIFICATION

PROFILES:

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 conçu 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 doit être monté à l'intérieur de la maçonnerie.

ÉTANCHEITÉ:

L'étanchéité est assurée par un joint central en EPDM. Une seconde barrière est incluse dans le dormant au centre 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.

OPENING 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.

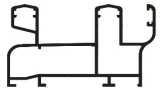
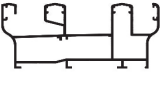





GLAZING:

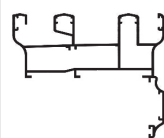
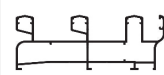
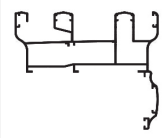
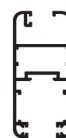

Simple or insulator of 6 with 22 mm maintained by joints in EPDM and a clipped panel a height minimum of 20mm (bottom of feuillure). The panel must obligatorily be with dimensions interior of construction

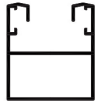

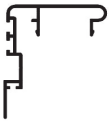


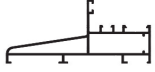
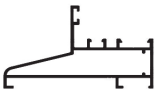
SEALING:



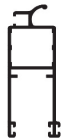




The sealing is guaranteed by a central sealing gasket in EPDM-ASTM tested. A second barrier, constituted by a sealing gasket, is on the flap by the inside overlap. Glazing is done with EPDM sealing gasket or silicone.








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

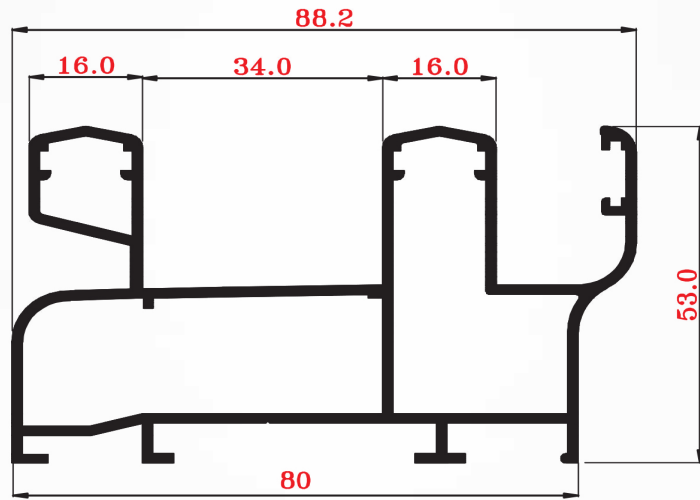
Profile Code No.	Profile	Description	Weight Kg / m	Ix-x Cm4	Iy-y Cm4
DW 12100		SLIDING 2 R OUTER FRAME	1.555	15.702	47.441
DW 12102		SLIDING 2 R OUTER FRAME WITH FLY SCREEN	1.936	19.356	95.882
DW 12103		SLIDING 2 R OUTER FRAME WITH FLY SCREEN	1.757	17.952	74.956
DW 12104		SLIDING 2 R OUTER FRAME	1.378	14.098	35.095
DW 12105		SLIDING 2 R WITH FLY SCREEN ARCHITRAVE D	2.235	52.888	124.782
DW 12106		SLIDING 2 R WITH FLY SCREEN ARCHITRAVE F	2.244	51.929	126.962
DW 12107		SLIDING 2 R WITH FLY SCREEN ARCHITRAVE C	2.239	51.623	124.590

Profile Code No.	Profile	Description	Weight Kg / m	Ix-x Cm4	Iy-y Cm4
DW 12108		SLIDING 2 R WITH FLY SCREEN ARCHITRAVE F C	2.216	49.060	123.899
DW 12109		SLIDING 3 R OUTER FRAME	2.184	21.084	151.907
DW 12111		SLIDING 2 R WITH FLY SCREEN ARCHITRAVE C C	2.212	48.652	123.116
DW 12200/A		SLIDING SASH SINGLE GLAZING	1.296	29.559	10.721
DW 12201/A		SLIDING SASH DOUBLE GLAZING	1.226	26.204	10.614

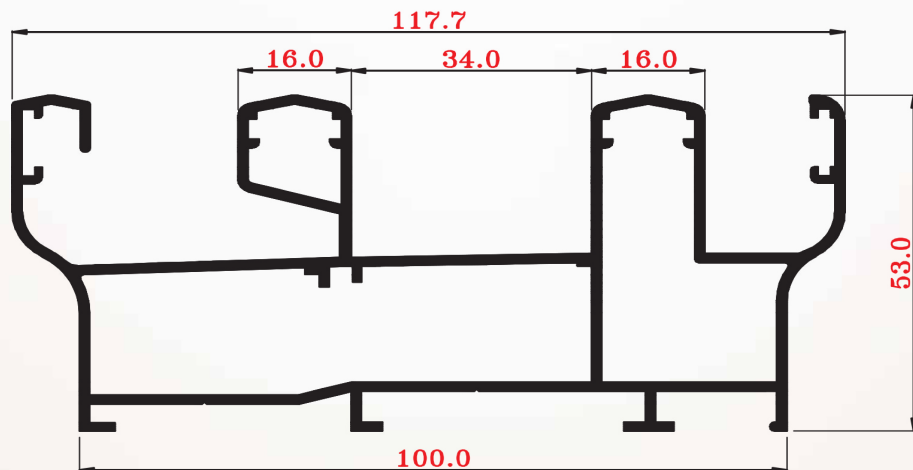
Profile Code No.	Profile	Description	Weight Kg / m	Ix-x Cm4	Iy-y Cm4
DW 12320		FLY SCREEN FRAME	0.583	26.797	9.960
DW 12302/A		ARCHITRAVE FLAT 70 mm	0.367		
DW 12312/A		INTER LOCK PROFILE	0.505	4.715	4.009
DW 12313/A		INTER LOCK PROFILE CURVED	0.564	5.550	4.314
DW 12314/A		MEETING ADAPTATOR	0.337	0.602	1.602
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 44400		SINGLE GLAZING BEED	0.258		
DW 44401		DOUBLE GLAZING BEED	0.213		
DW 12315		FLY SCREEN	0.655	9.224	1.925
DW 12316		MEETING ADAPTATOR FLY SCREEN	0.173	0.986	0.886
DW 12300		DECORATIVE ARCHITRAVE 50 mm	0.369		
DW 12301		DECORATIVE ARCHITRAVE 34 mm	0.295		
DW 12302		ARCHITRAVE FLAT 50 mm	0.307		

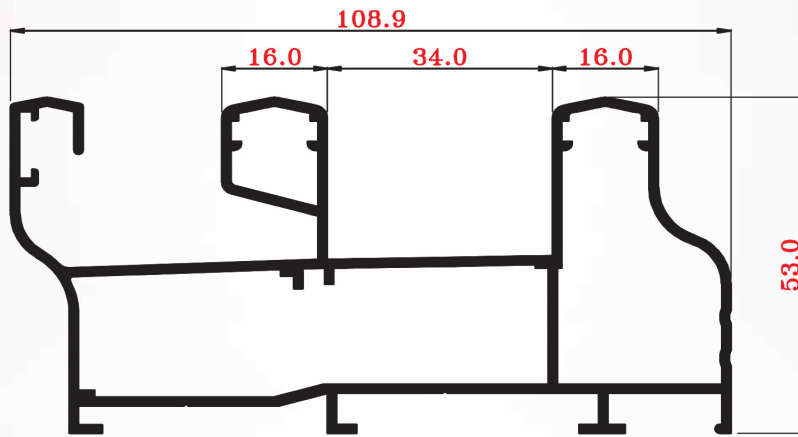
Profile Code No.	Profile	Description	Weight Kg / m	Ix-x Cm4	Iy-y Cm4
DW 12303		ARCHITRAVE FLAT 34 mm	0.237		
DW 12304		ARCHITRAVE 50 mm	0.357		
DW 12305		ARCHITRAVE 34 mm	0.280		
DW 12308		ROUND ARCHITRAVE 50 mm	0.365		
DW 12309		ROUND ARCHITRAVE 34 mm	0.298		
DW 12310		CURVED ARCHITRAVE 50 mm	0.355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



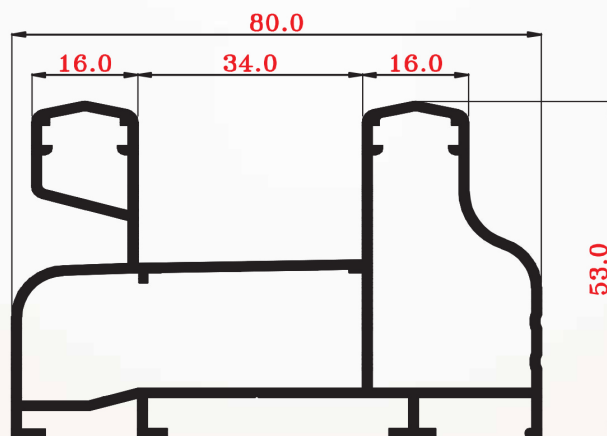
DW 12100
1.555 Kg/m.



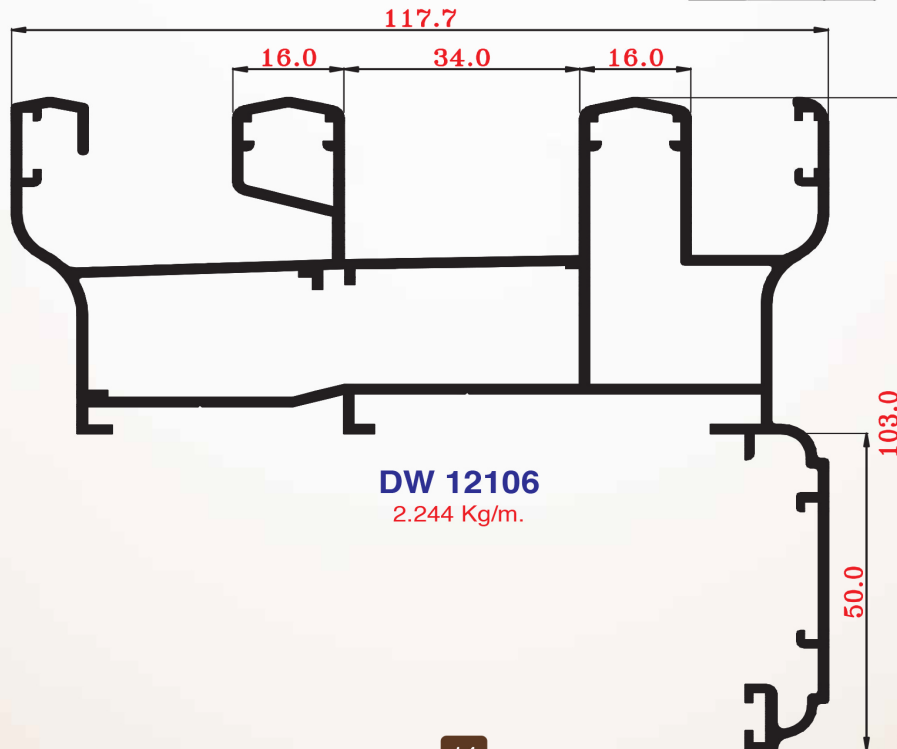
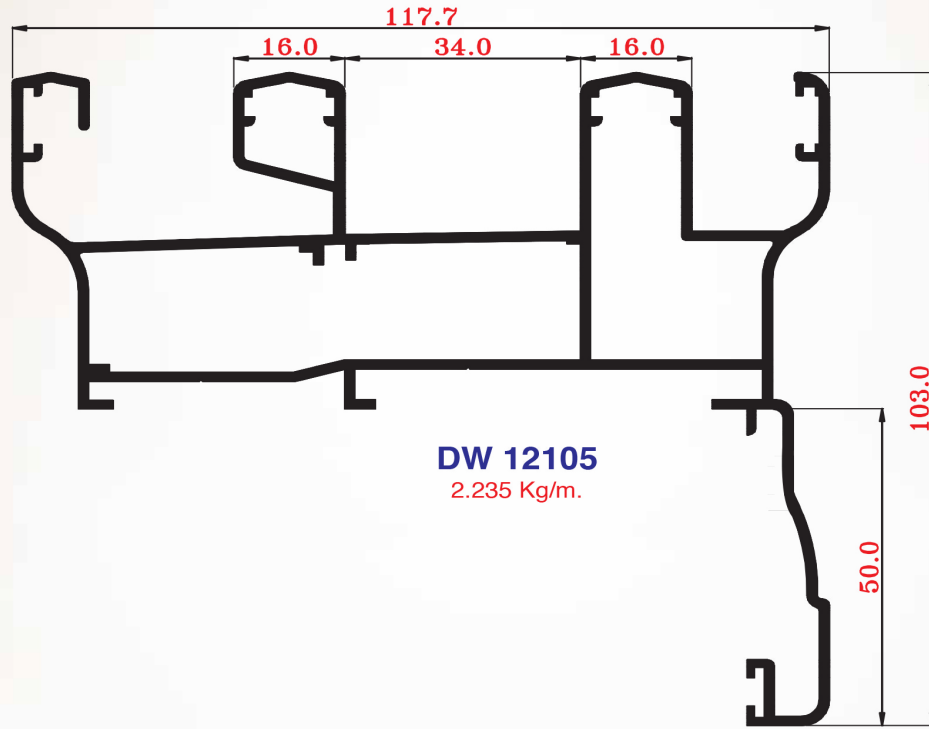
DW 12102
1.936 Kg/m.

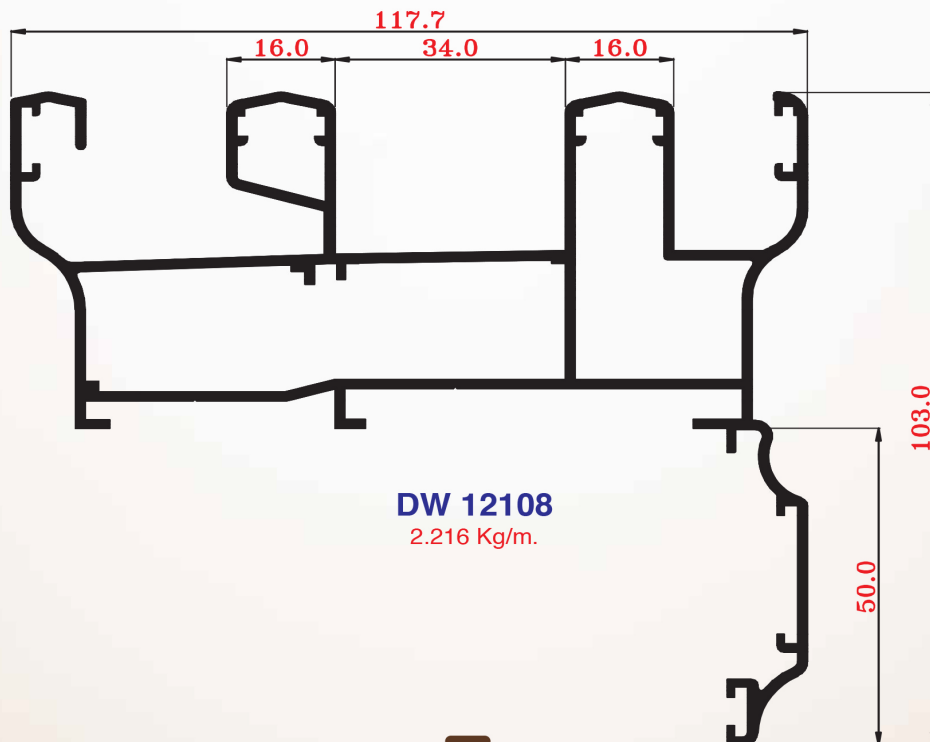
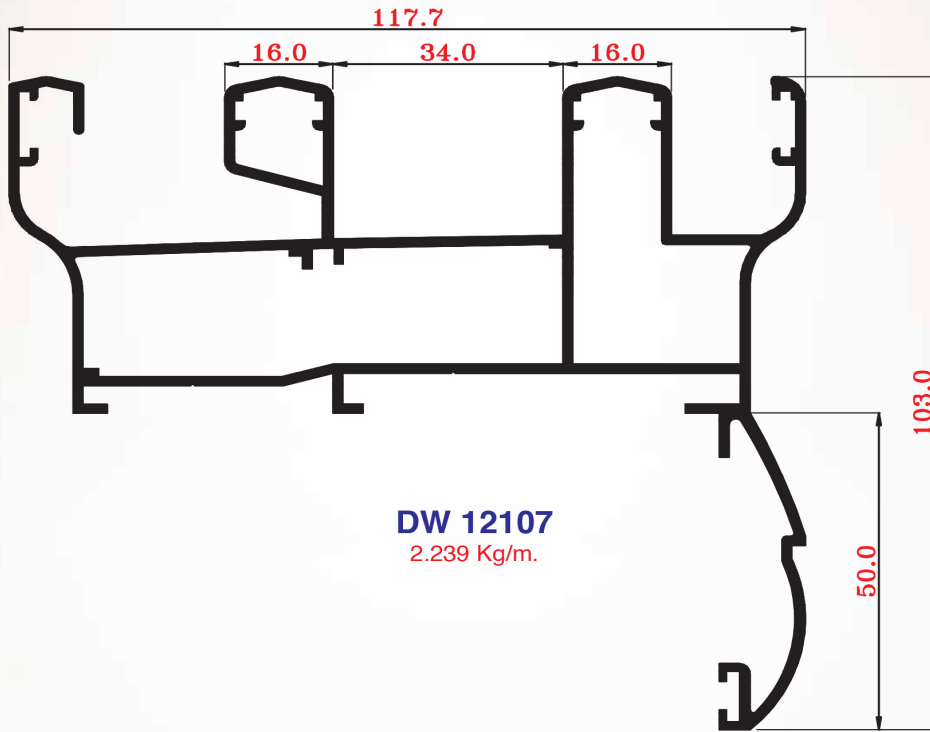


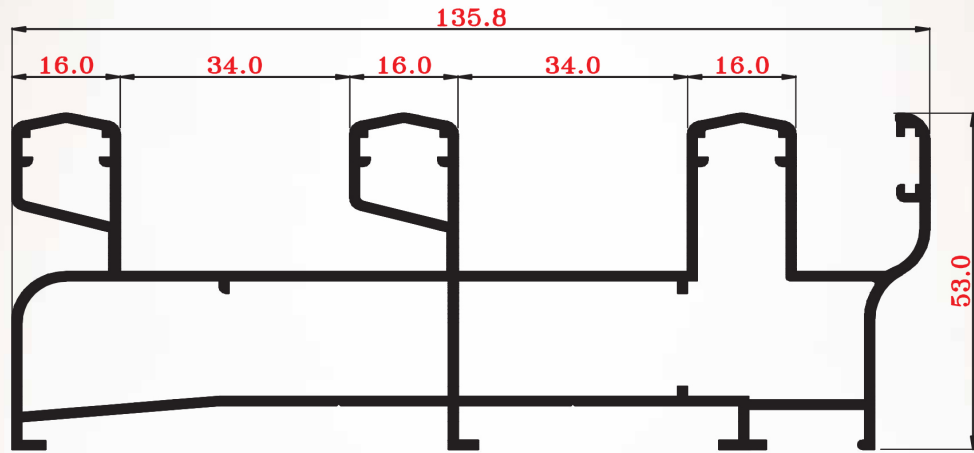
DW 12103
1.757 Kg/m.



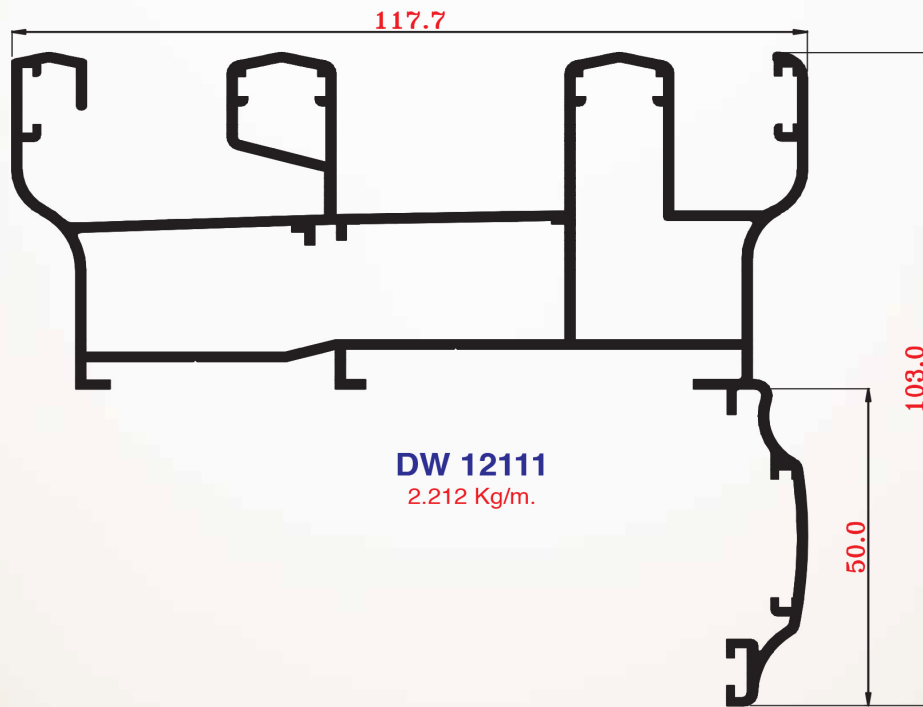
DW 12104
1.378 Kg/m.





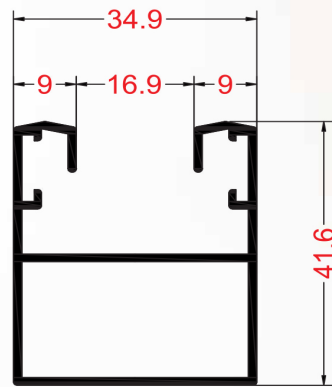
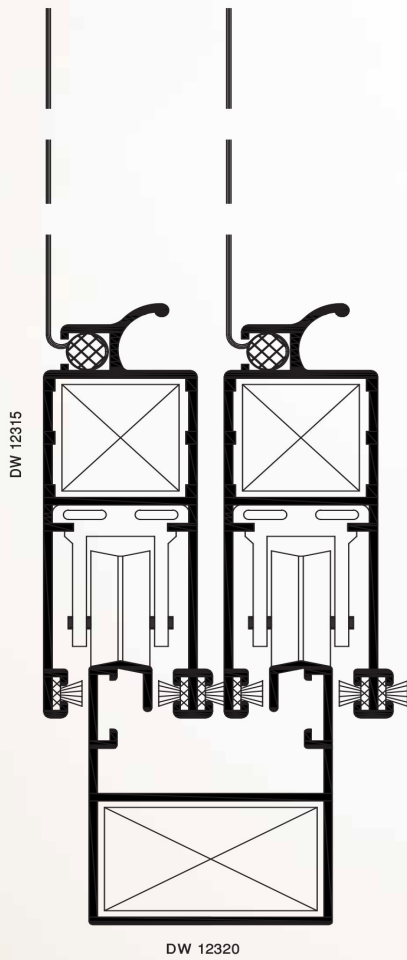


DW 12109
2.184 Kg/m.

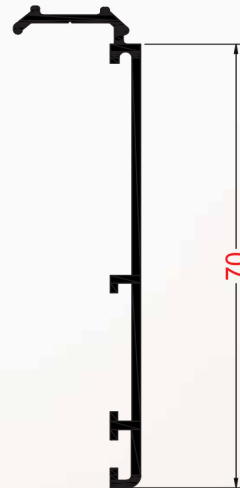


DW 12111
2.212 Kg/m.

NEW PROFILES



DW 12320
0.583 kg/m.

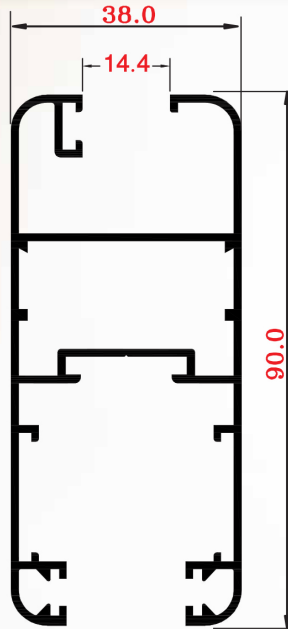


DW 12302 / A
0.367 Kg/m.

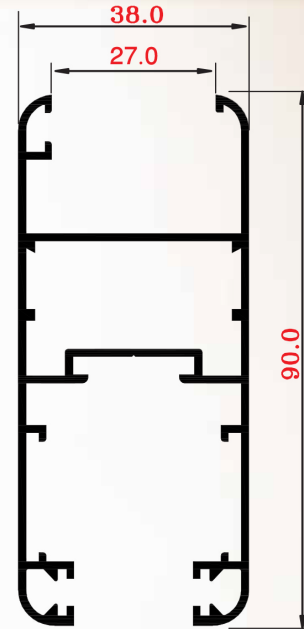
ALCEO Systems

VOLCANO 120

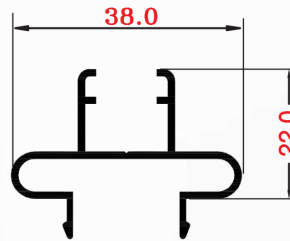
Dawlia₂₁



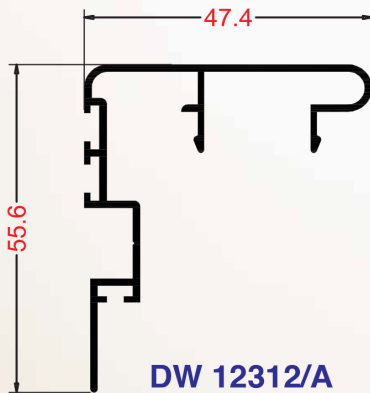
DW 12200/A
1.296 Kg/m.



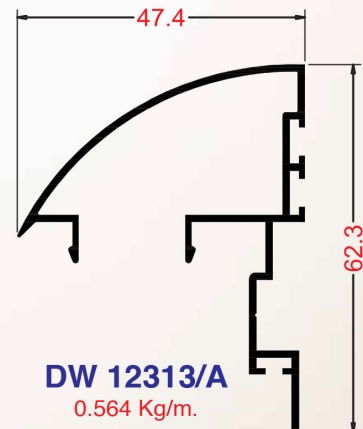
DW 12201/A
1.226 Kg/m.



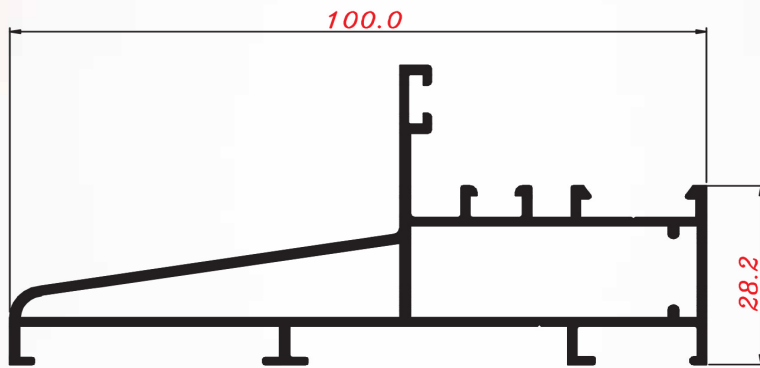
DW 12314/A
1.337 Kg/m.



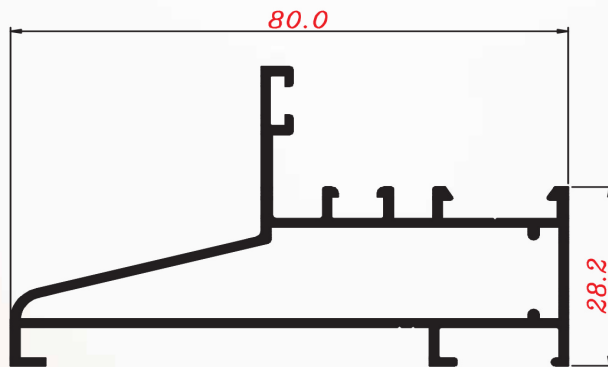
DW 12312/A
0.505 Kg/m.



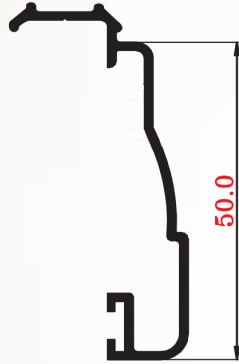
DW 12313/A
0.564 Kg/m.



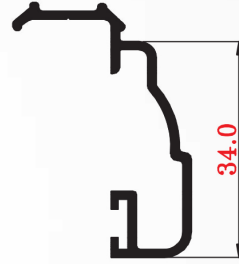
DW 44305
1.187 Kg/m.



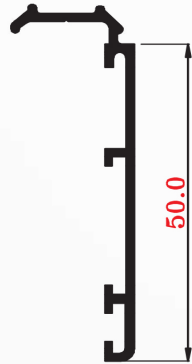
DW 44306
0.936 Kg/m.



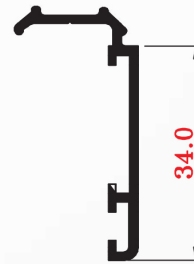
DW 12300
0.369 Kg/m.



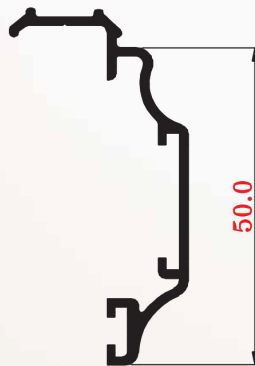
DW 12301
0.295 Kg/m.



DW 12302
0.307 Kg/m.



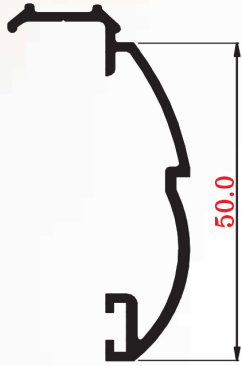
DW 12303
0.237 Kg/m.



DW 12304
0.357 Kg/m.



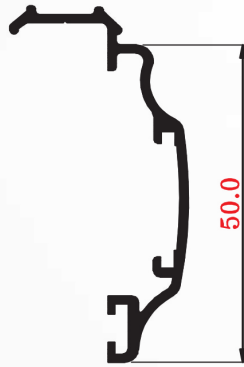
DW 12305
0.280 Kg/m.



DW 12308
0.365 Kg/m.



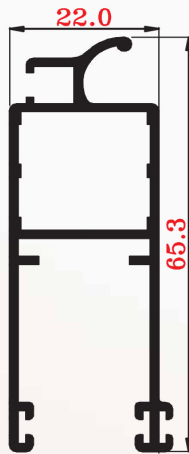
DW 12309
0.298 Kg/m.



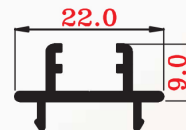
DW 12310
0.355 Kg/m.



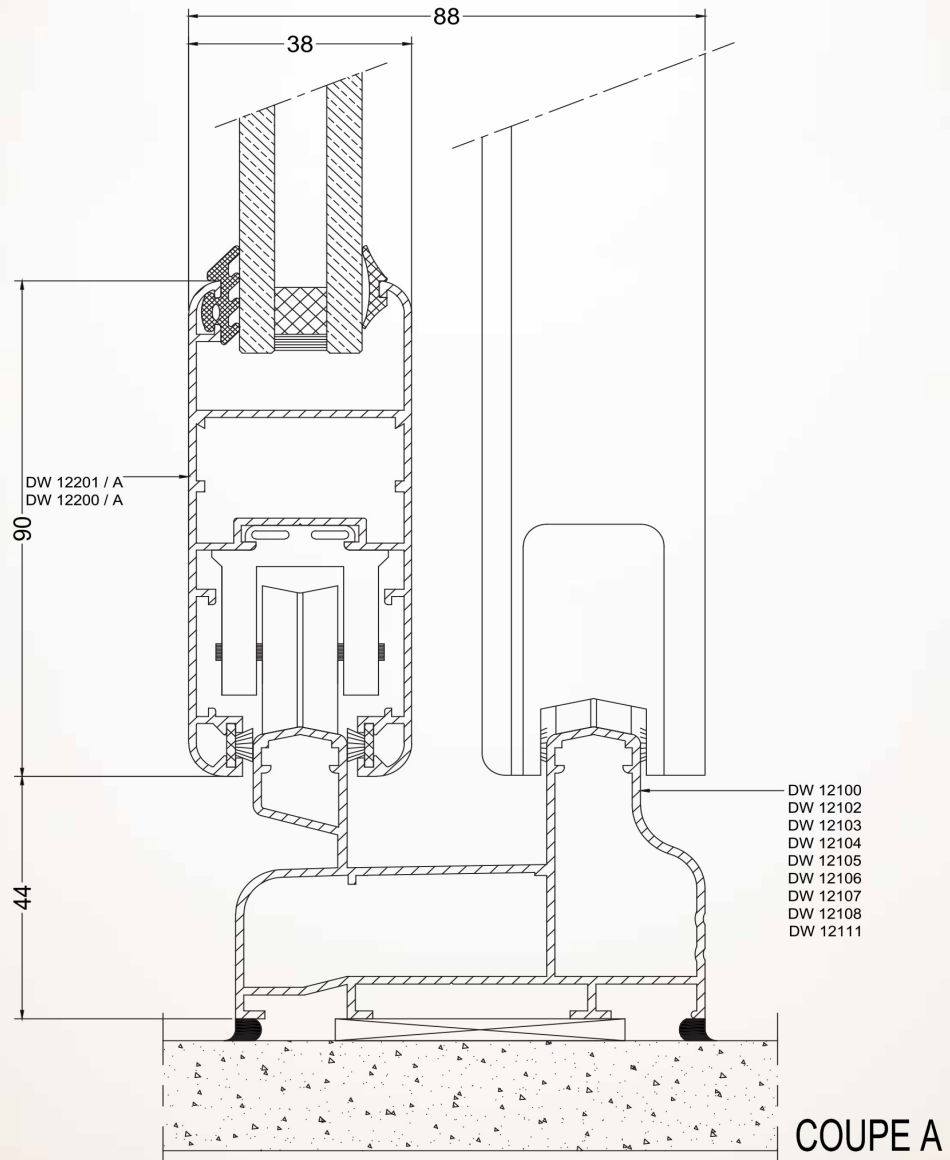
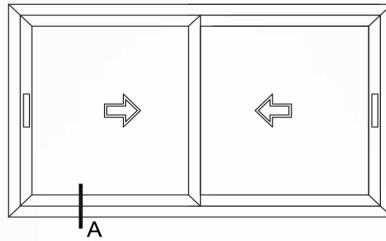
DW 12311
0.273 Kg/m.



DW 12315
0.655 Kg/m.



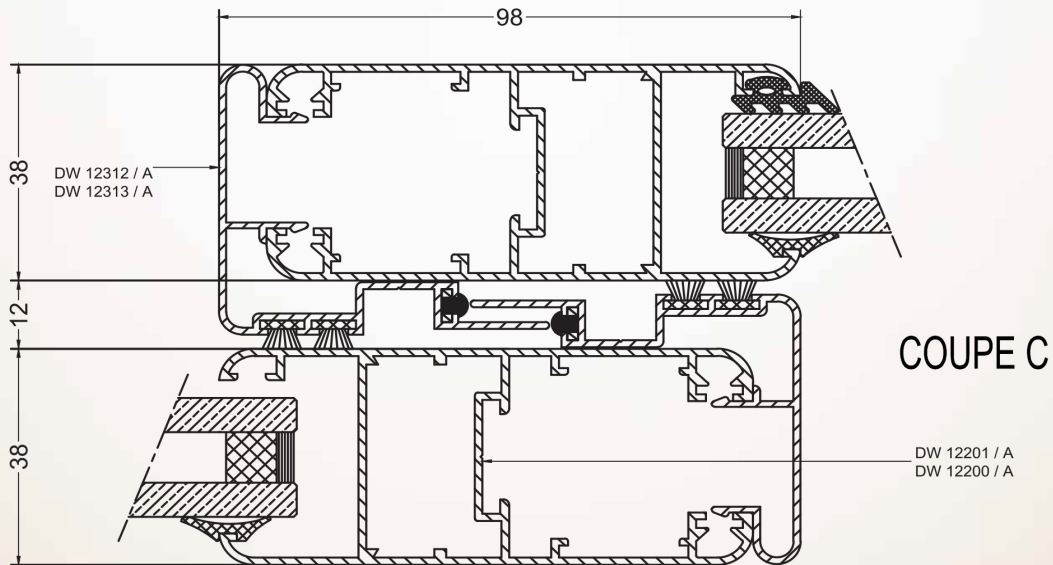
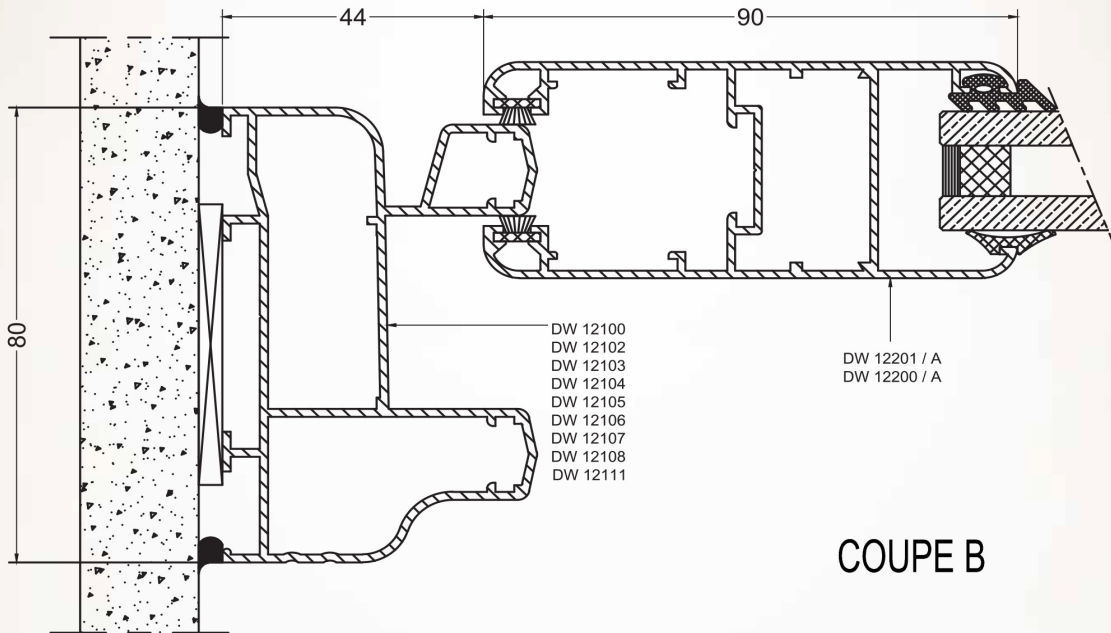
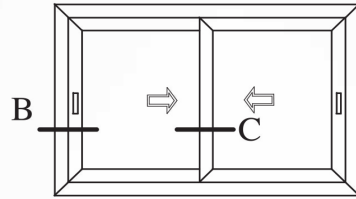
DW 12316
0.173 Kg/m.



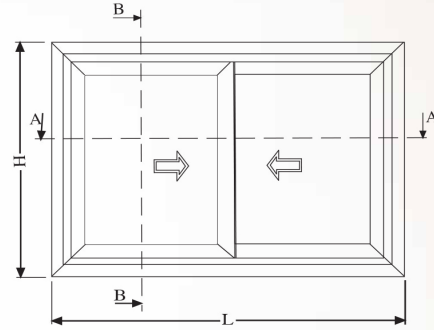
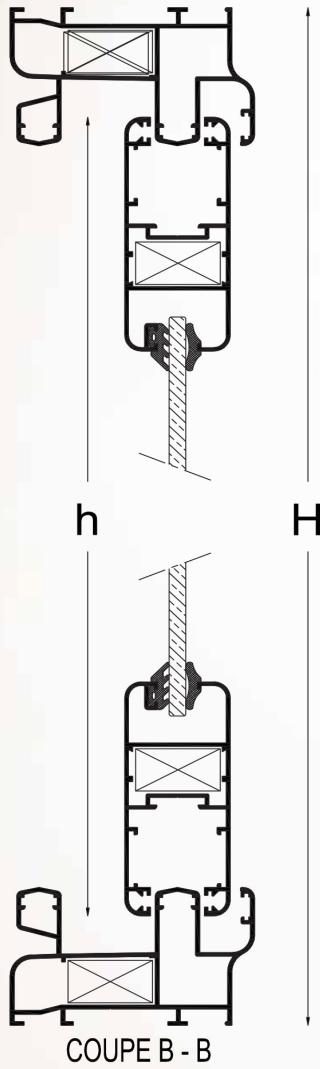
VOLCANO 120

ALCEO Systems

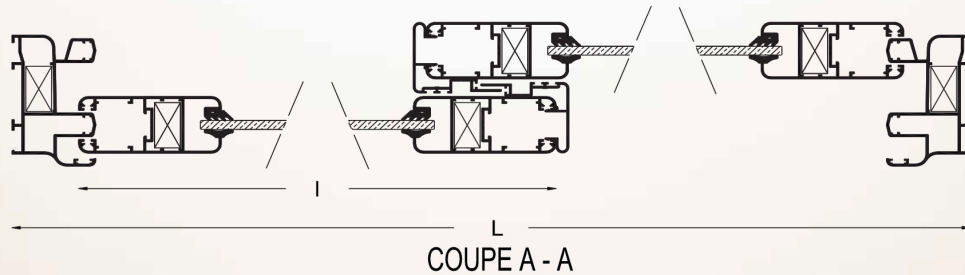
Dawlia 21



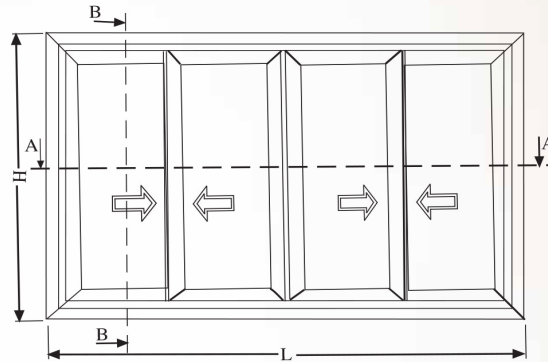
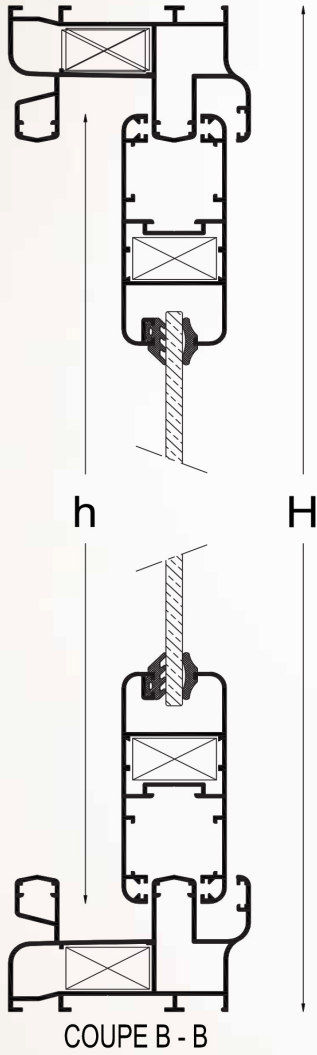
Fenêtre Coulissante 2 Feuilles



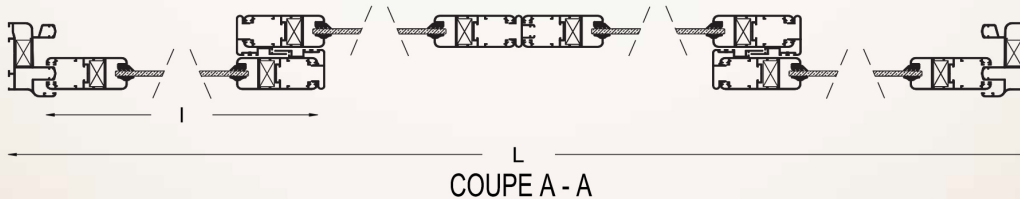
CUTTING LIST			
Shape	Prof. No	QTY.	CUTTING LENGTH (mm)
	DW 12100	2	L
		2	H
	DW 12200/A	4	$\frac{L-5}{2}$ $\frac{L-21}{2}$
		4	H - 85
	DW 12312/A	2	H - 85
	DW 12313/A	2	H - 85
GLASS		2	$\frac{L-296}{2}$
			H - 234



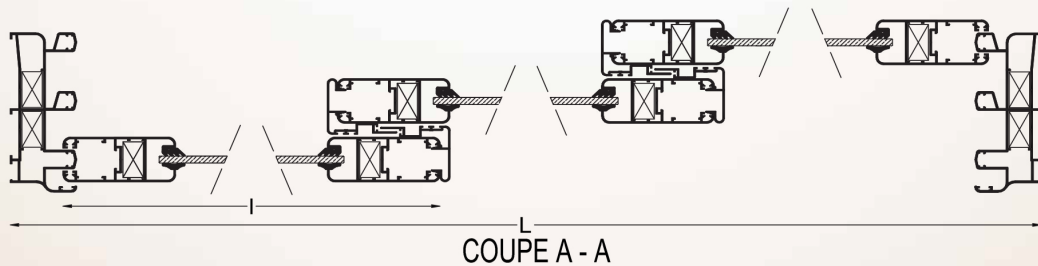
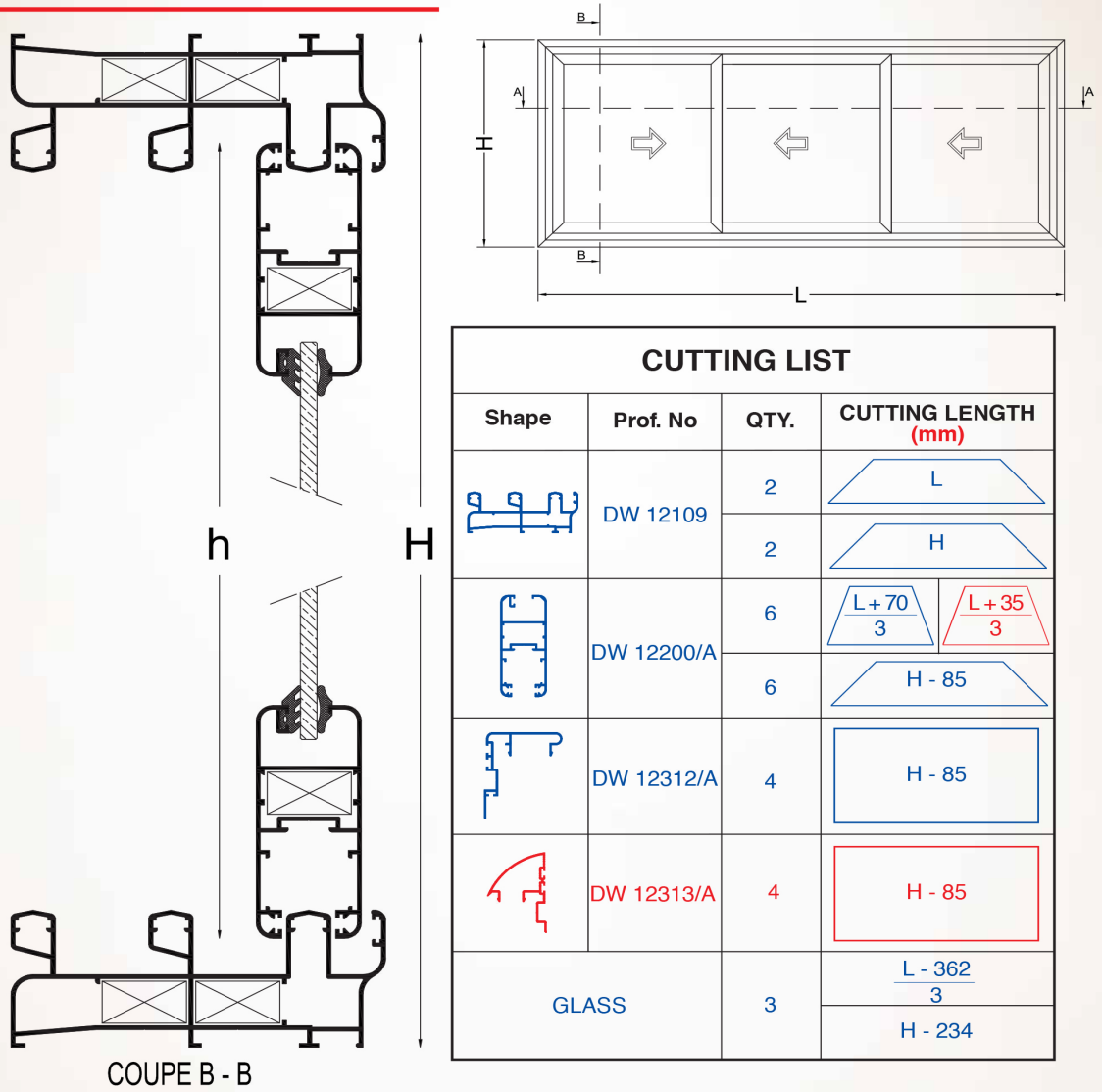
Fênetre Coulissante 4 Feuilles

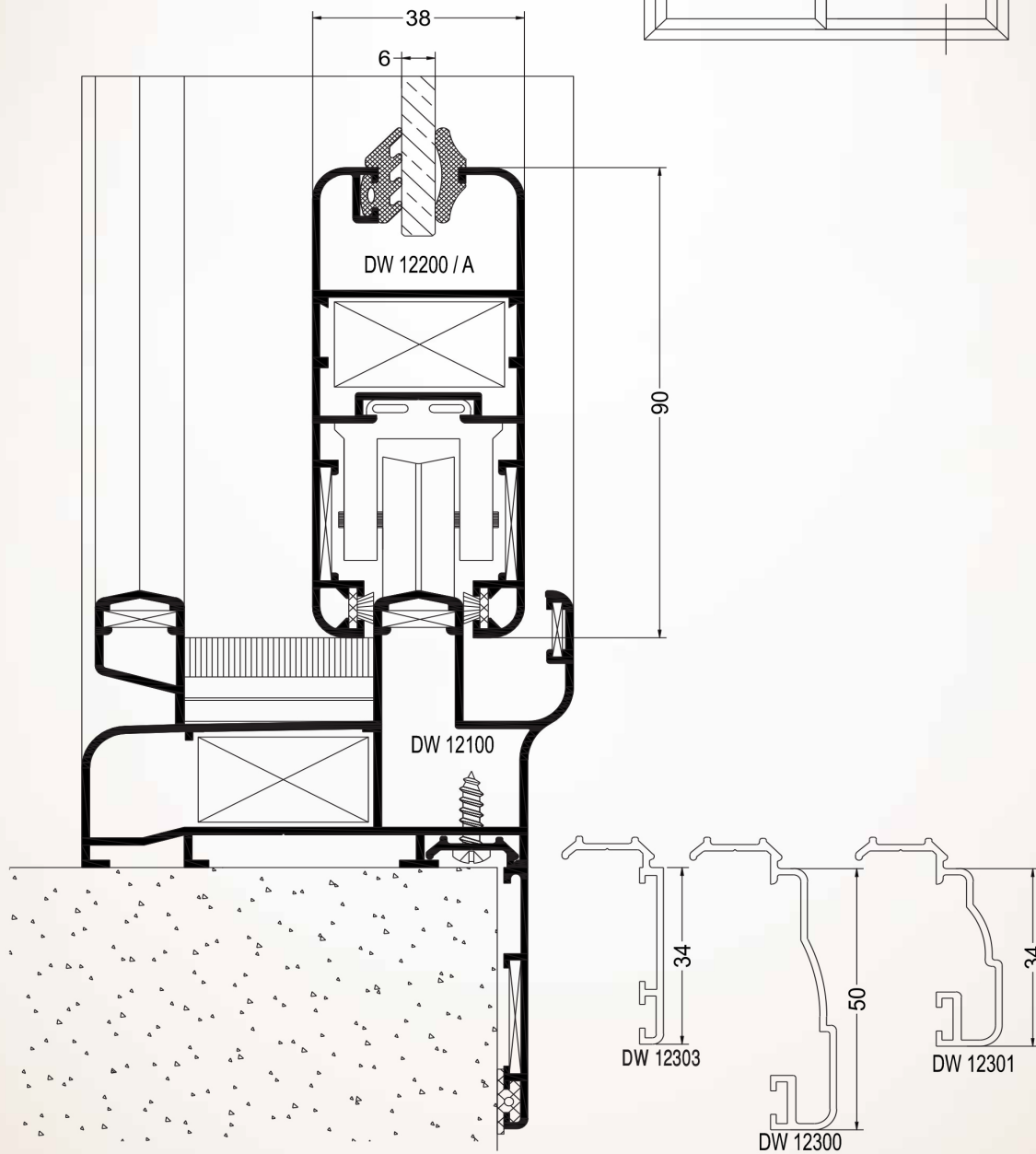
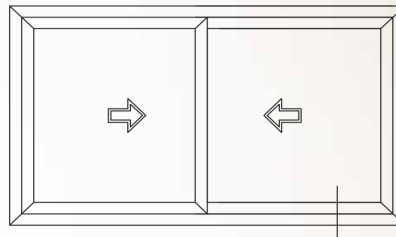


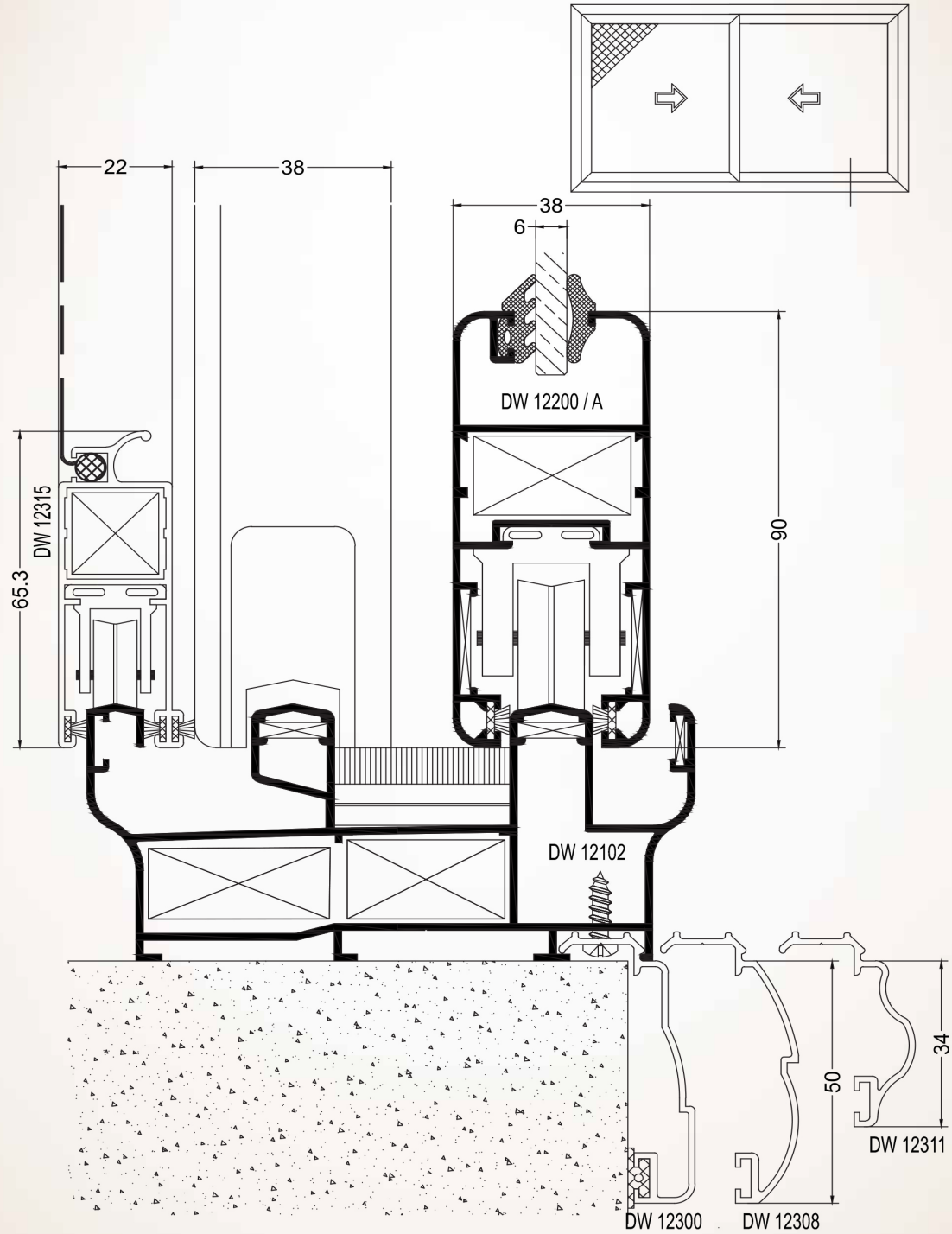
CUTTING LIST			
Shape	Prof. No	QTY.	CUTTING LENGTH (mm)
	DW 12100	2	L
		2	H
	DW 12200/A	8	$\frac{L + 66}{4}$ $\frac{L + 35}{4}$
		8	H - 85
	DW 12312/A	4	H - 85
	DW 12313/A	4	H - 85
	DW 12314/A	1	H - 85
GLASS		4	$\frac{L - 520}{4}$ H - 234



Fenêtre Coulissante 3 Feuilles



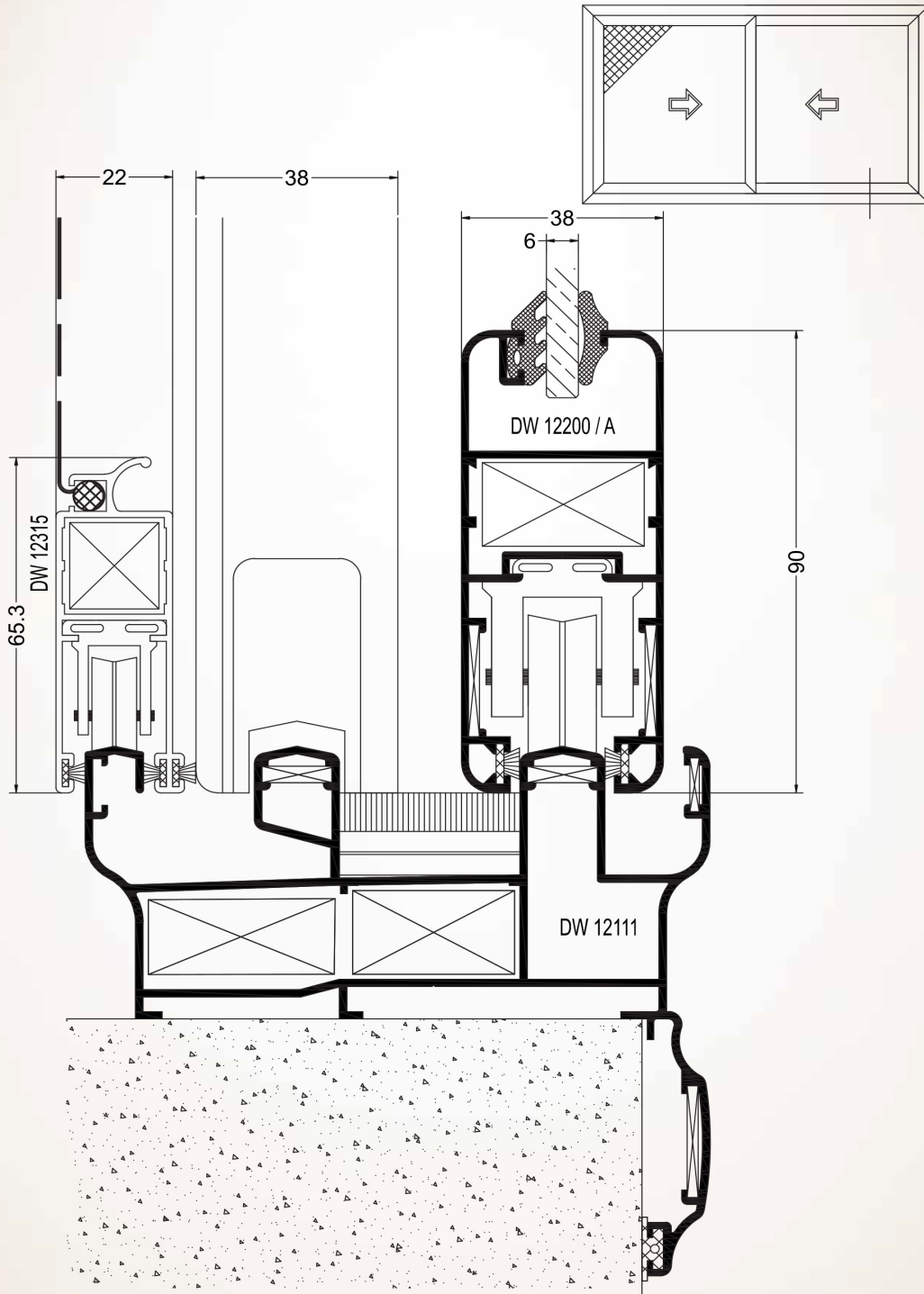




VOLCANO 120

ALCEO Systems

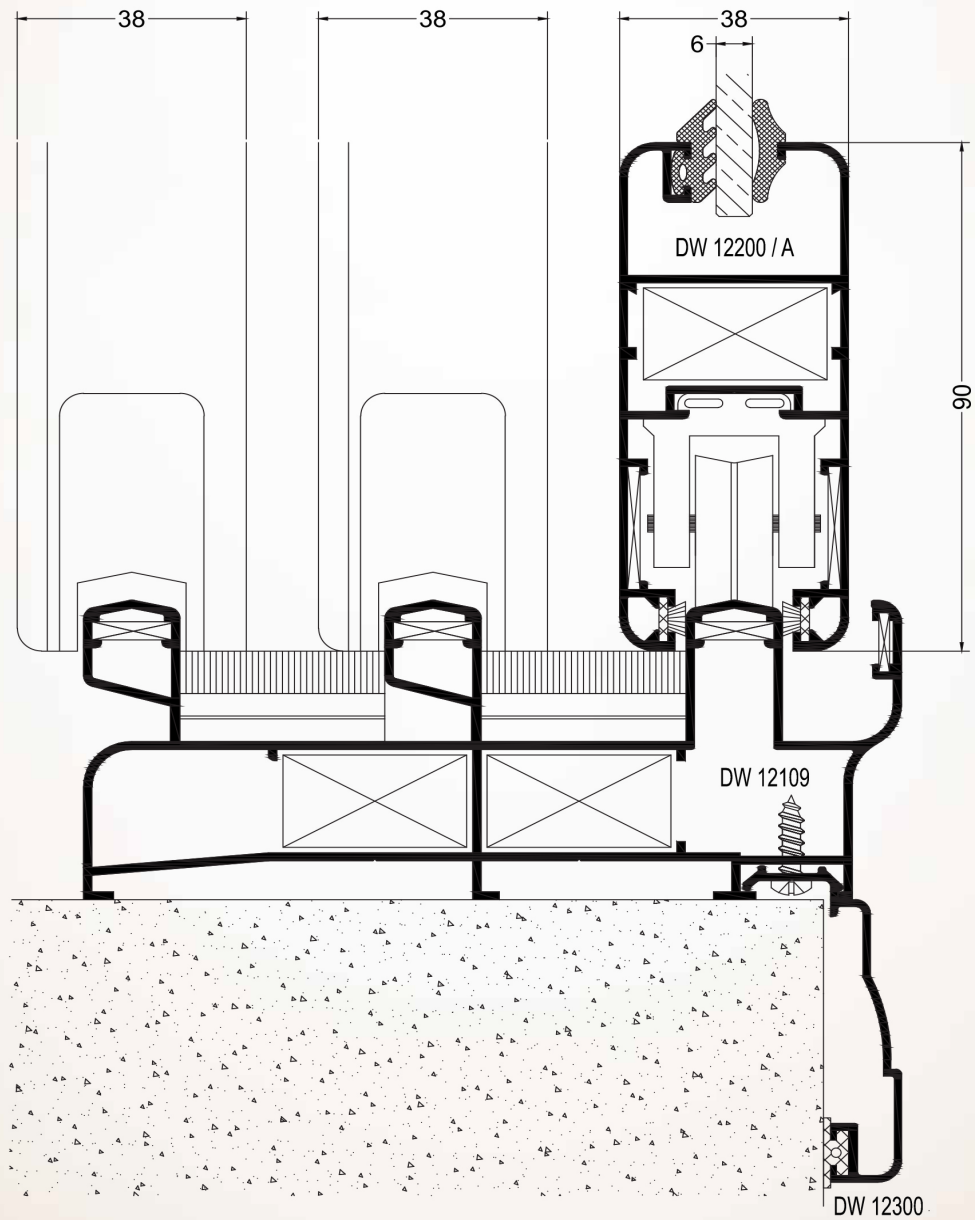
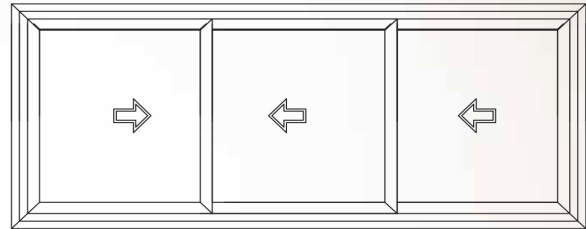
Dawlia 21



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VOLCANO 120

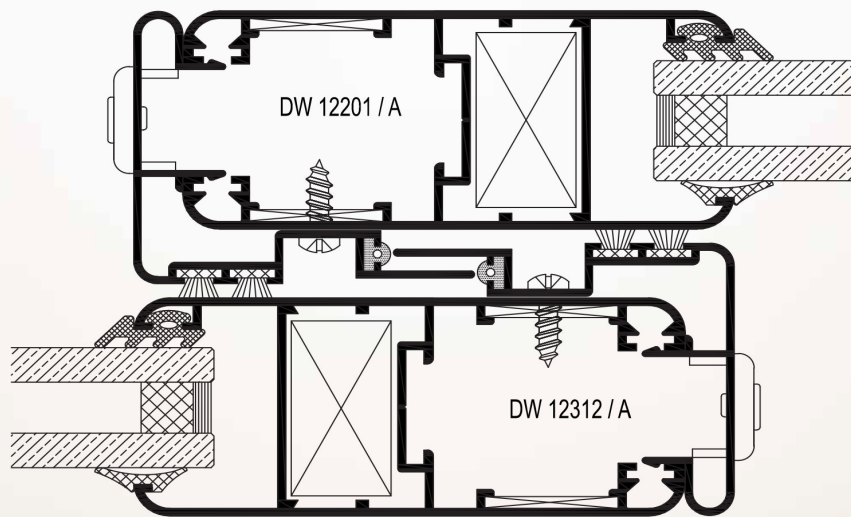
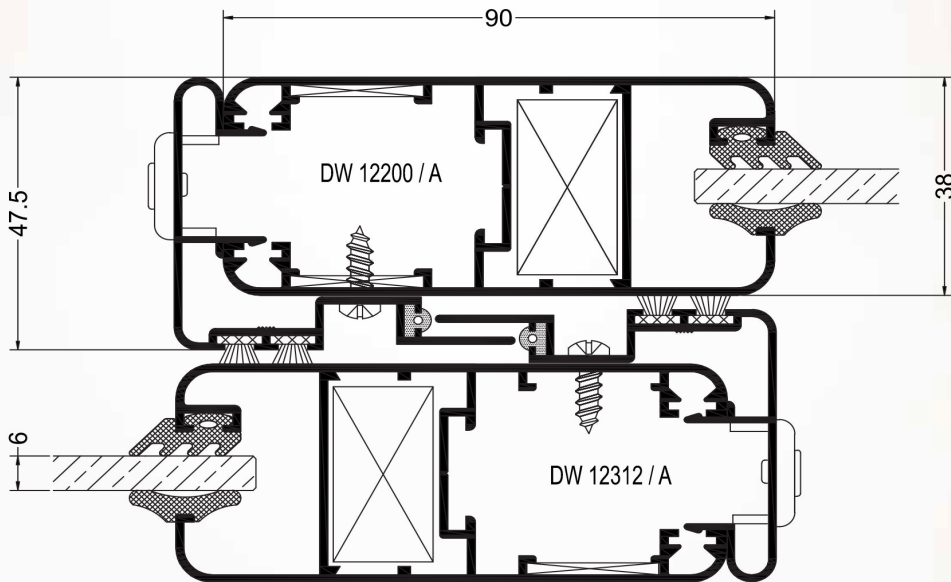
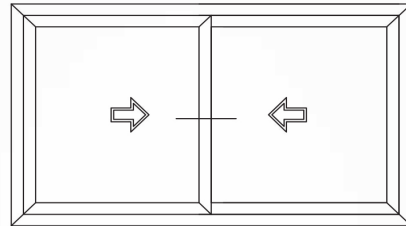
Dawlia 21

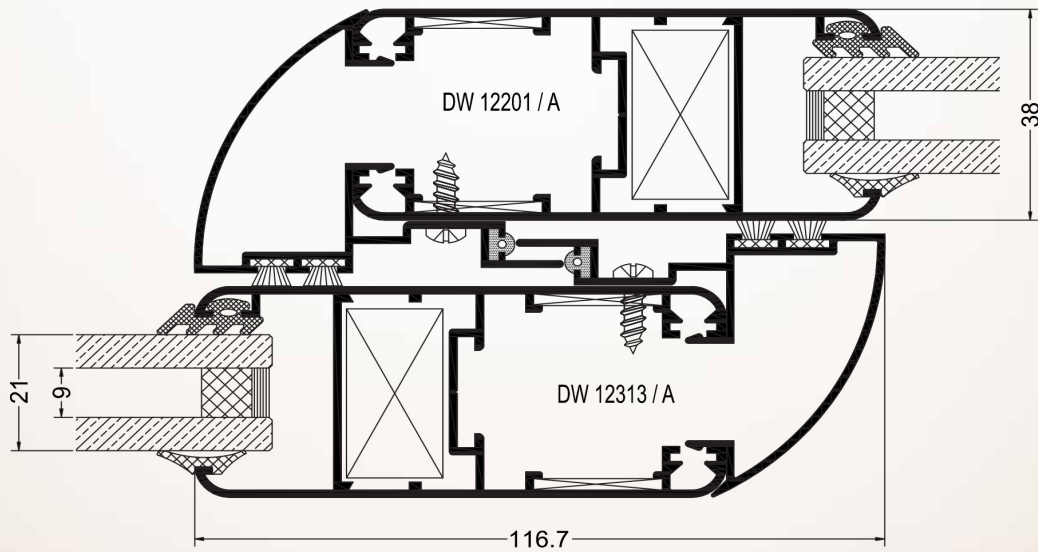
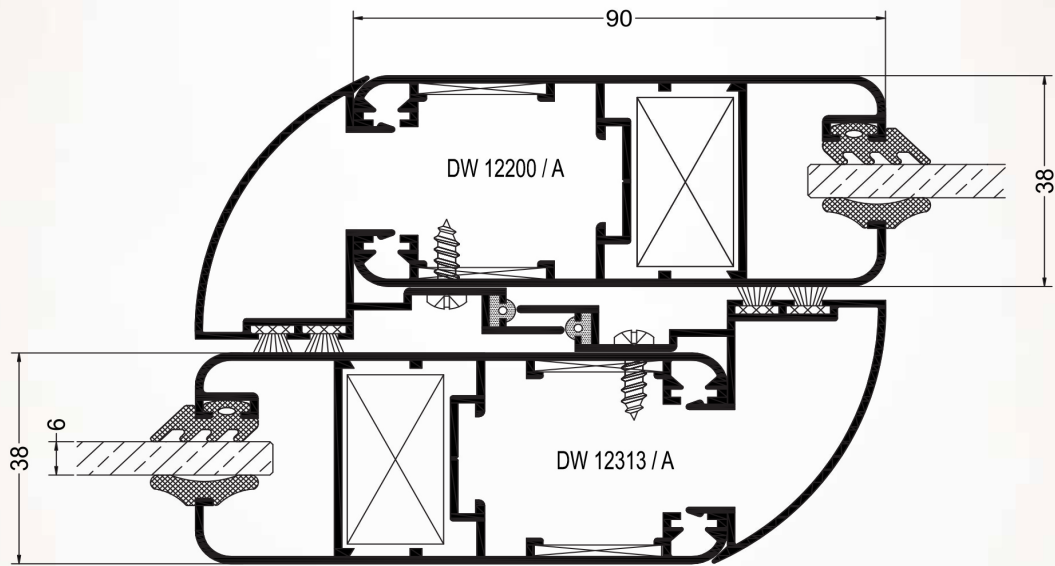
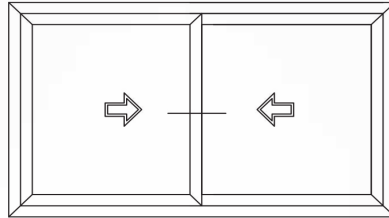


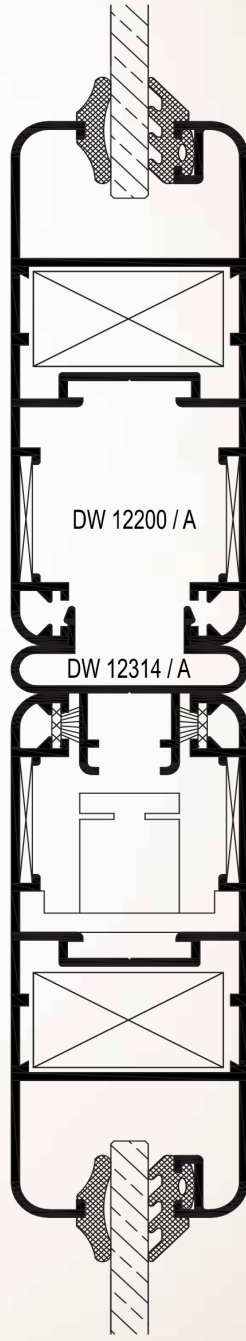
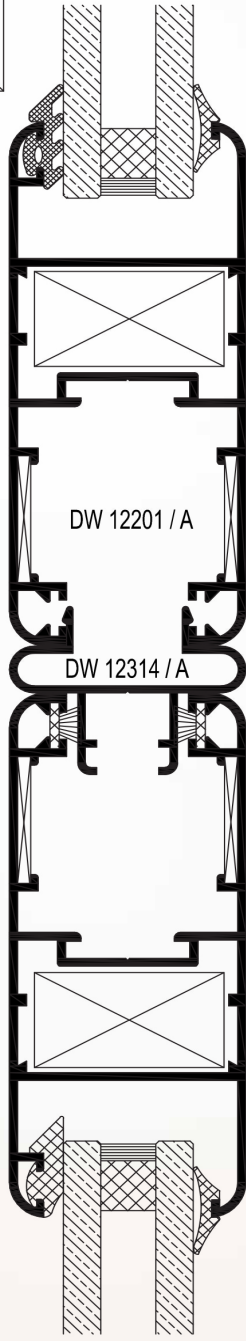
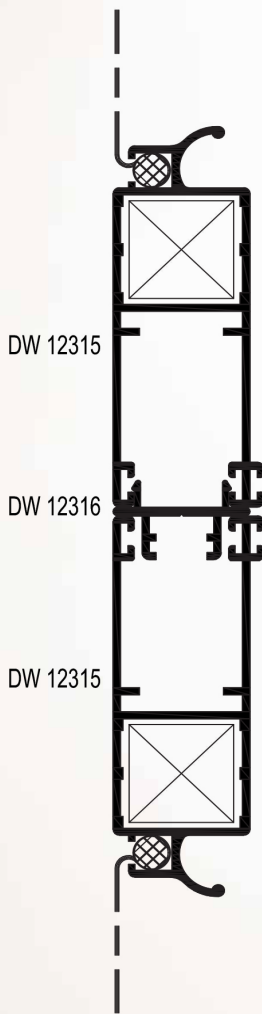
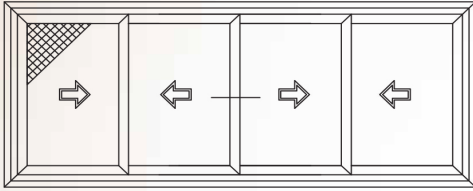
VOLCANO 120

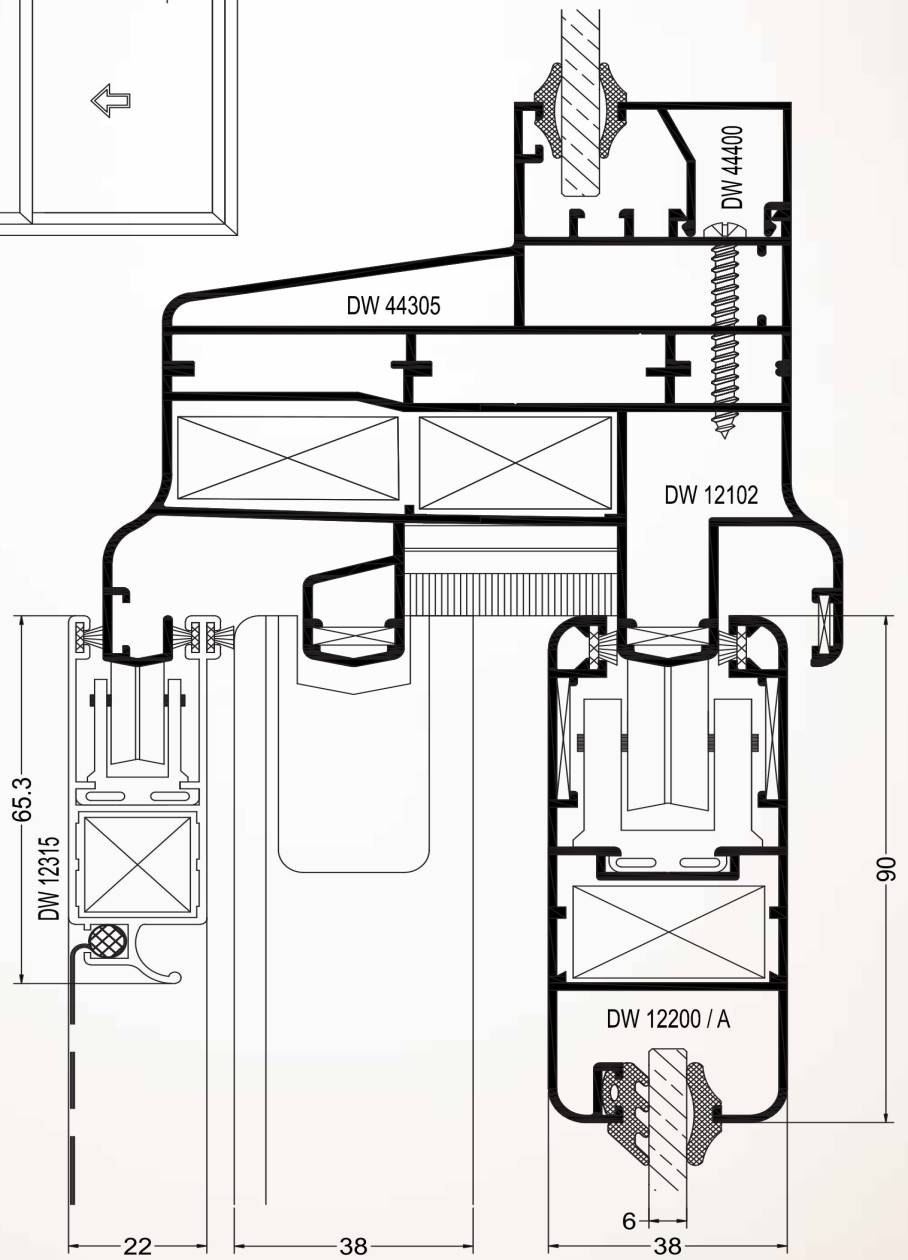
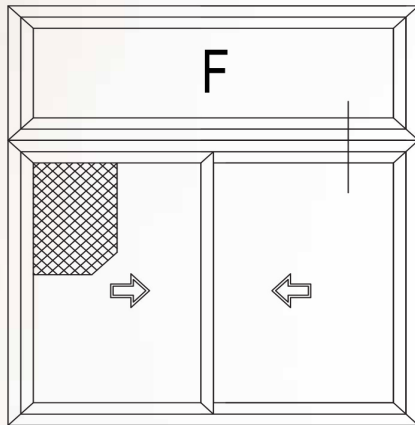
ALCEO Systems

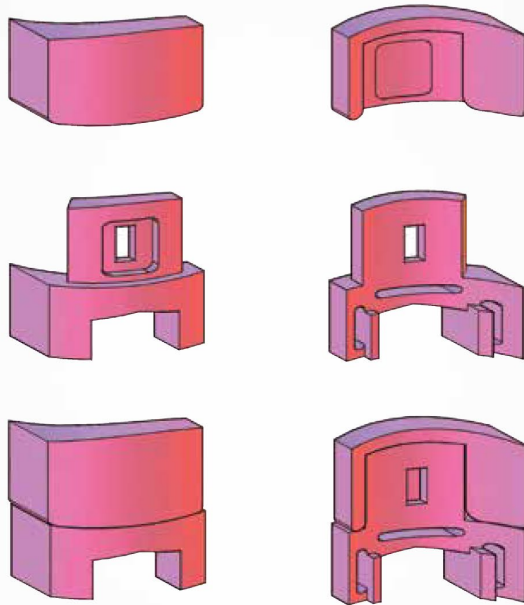
Dawlia 21



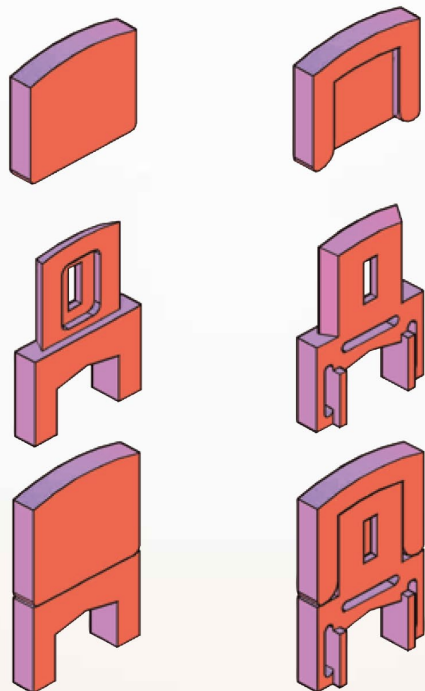




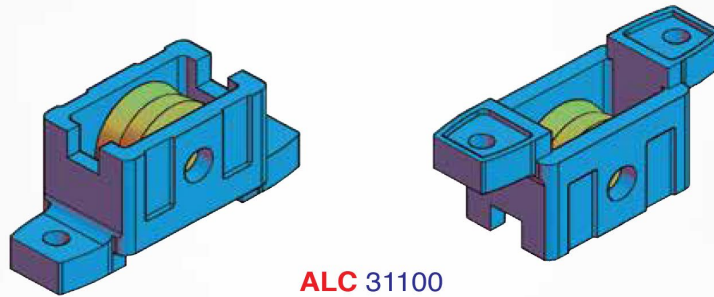




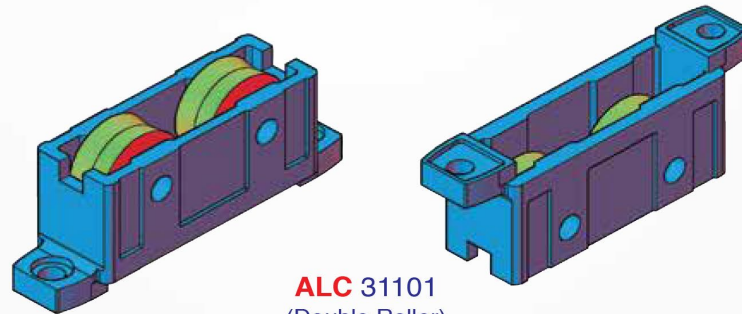
ALC 35101
(Inter Lock Curved)



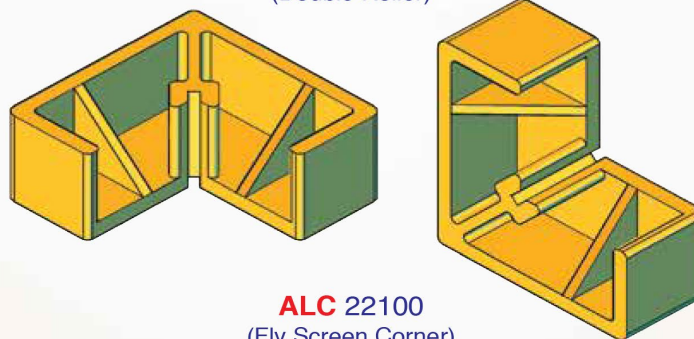
ALC 35100
(Inter Lock Flat)



ALC 31100
(Single Roller)



ALC 31101
(Double Roller)



ALC 22100
(Fly Screen Corner)