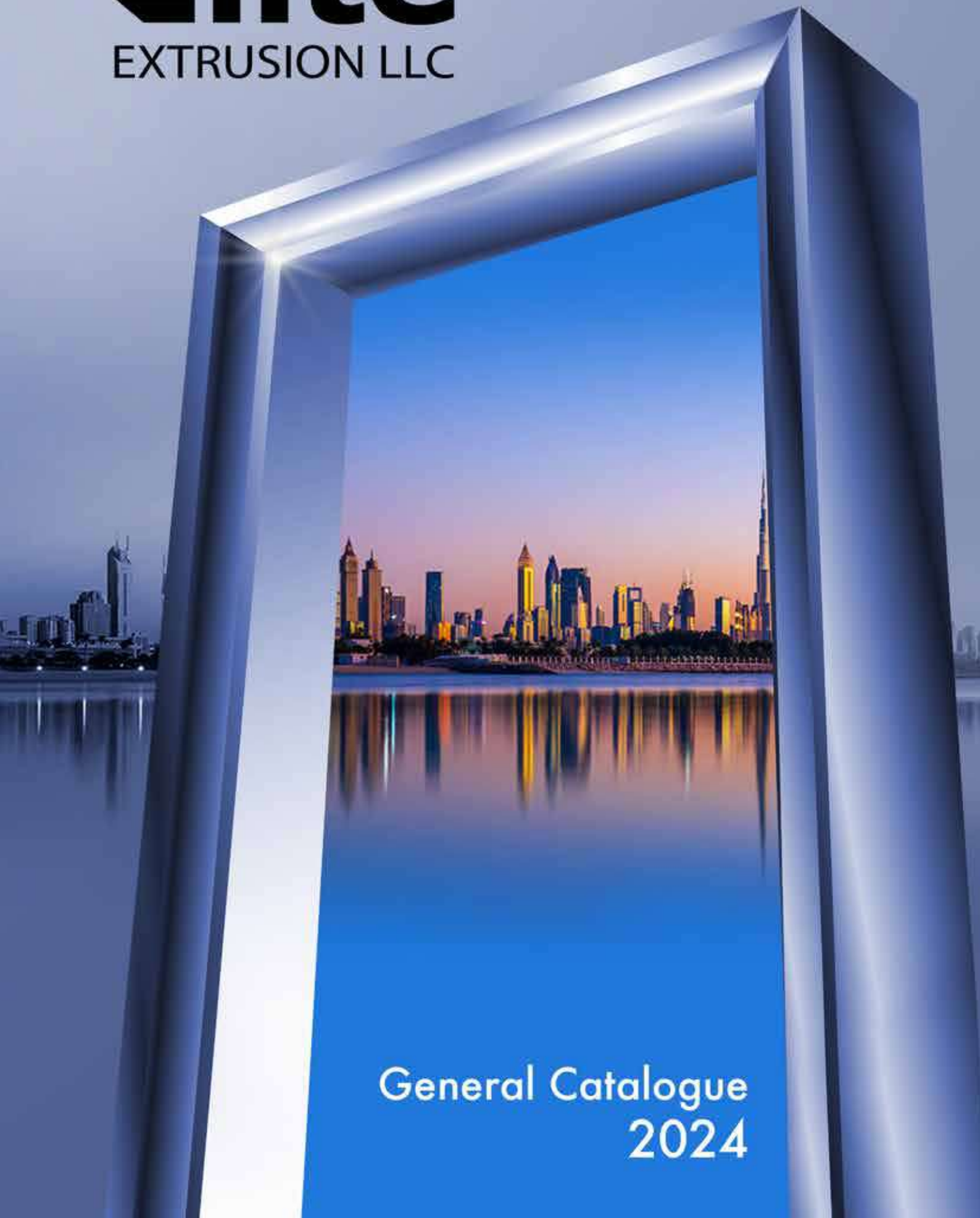
Elite
EXTRUSION LLC



General Catalogue
2024

INTRODUCTION

Elite Extrusion LLC, setup in the sprawling 60,000 square meter campus, is the Most modern and contemporary aluminum Extrusion manufacturing facility in the Whole region. The plant houses **Three New Generation Extrusion Presses,** 8" ,10" & 12" Container sizes and are engineered to extrude an annual capacity of **50,000** MT of high - quality extrusions. The presses and its modern handling system are fully PLC controlled and equipped with a hot log shear, log hot -Saw machine also boasts of the 100 meters long run out table which provides sufficient natural cooling. The additional Facilities include balancing equipment like modern die ovens and ageing ovens, supplemented with automated packing stations.

A modern in-house die manufacturing unit is also setup to manufacturing high quality dies with a capacity of 300 dies per month to cut down die procurement time.

To provide one stop shop for the growing needs of the discerning architectural end use customers, fully equipped finishing lines are supplemented. This includes modern high-capacity **vertical Power Coating line disk and gun system, a Horizontal Powder coating line with the capacity to coat up to 8 meter long extruded profiles, Anodizing line, Wooden Finish coating Line & Automated modern thermal barrier line.**

The Company has a documented Quality Management system & is certified by ISO 9001 : 2015 and also awarded with **ISO 14001, 45001, EQM, SASO "QUALICOAT" & "QUALANOD".**

To facilitate error-free and reliable services a high-end ERP system is also integrated with all the activities. With a well-equipped laboratory for end-to-end testing facilities such as Optical Measuring System (ASCONA - Profile Measuring Technology) Metal Analyzer, Profile Projector, Universal Tensile Testing Machine, Hardness Tester etc & well experienced & technically qualified staff, the **Quality is Guaranteed**. Further, we have business with the leading system suppliers like as – Alumil, Alico, Gutmann, Hydro, Reynaers, Schuco etc.

This catalogue is at best an indicator of readily available dies with us. We are continually expanding our die library and towards this we solicit your most valuable enquiry for new sections and applications.

TECHNICAL DATA SHEET

CHEMICAL COMPOSITION	ALLOY - AA6063	ALLOY - AA6061	ALLOY - AA6082
Mg	0.45 % - 0.90 %	0.80 % - 1.20 %	0.60 % - 1.20 %
Si	0.20 % - 0.60 %	0.40 % - 0.80 %	0.70 % - 1.30 %
Cr	0.10 %	0.04 % - 0.35 %	0.25%
Zn	0.10 %	0.25 %	0.20 %
Fe	0.35 %	0.70 %	0.50 %
Cu	0.10 %	0.15 % - 0.40 %	0.10%
Mn	0.10 %	0.15 %	0.40 % - 1.00%
Ti	0.10 %	0.15 %	0.10 %
Others (each)	0.05 %	0.05 %	0.05 %
Others (Total)	0.15 %	0.15 %	0.15 %
Aluminium	Remainder	Remainder	Remainder

MECHANICAL PROPERTIES	ALLOY - AA6063		ALLOY - AA6061		ALLOY - AA6082	
Temper	T4	T6	T4	T6	T4	T6
Ult. Tensile Strength N/mm^2	130	215	180	260	205	310
0.2 % Proof Stress N/mm^2	65	170	110	240	110	260
Elongation on 50 mm %	12	9		8		8

EXTRUSION PRESS SIZES

PRESS 1 , PRESS 2 – 2400 Ton
PRESS 3 – 4500 TON–Multioption
Billet Diameter 203 mm (8 inch)
Billet Diameter 254 mm (10 inch)
Billet Diameter 304 mm (12 inch)

MAXIMUM PROFILE SIZES (Subject to approval)

Flat Bar – 600 mm
Round Tube – ø370 mm
Square Tube – 270 mm
Rectangular Tube – 600 x 30 mm

SURFACE TREATMENT FACILITY

Powder Coating – PE, PEF, SDF,Hyper durable & Wood Finish Coating.
Anodizing – Matt & Polish.

SPECIFICATIONS

Extrusion Dimensional Tolerance BS EN 755–9: 2016.
Anodizing BS: 3987, Qualanod Standard.
Powder Coating BS: 12206–1, Qualicoat Standard.

OTHERS

Standard Cut Length 6000 mm.
Minimum Cut Length 4000 mm.

Certificate

Standard **ISO 9001:2015**

Certificate Registr. No. **01 100 106821**

Certificate Holder:

Elite Extrusion L.L.C.
P.O. Box - 86025,
Ras Al Khaimah,
United Arab Emirates

Scope: Manufacture and Supply of Aluminium Extruded Profiles in Mill Finish, Powder Coated, Anodised and Wood Effect Finish for Architectural & Industrial Applications.

Proof has been furnished by means of an audit that the requirements of ISO 9001:2015 are met.

Validity: The certificate is valid from 2022-08-12 until 2025-08-11.
First certification 2010

2022-08-15

TÜV Rheinland Cert GmbH
Am Grauen Stein · 51105 Köln

® TÜV, TUEV and TUV are registered trademarks. Utilisation and application requires prior approval.

www.tuv.com

DAkkS Deutsche Akkreditierungsstelle D-ZM-16031-01-00

TÜVRheinland®
Precisely Right.

CERTIFICATE
OF REGISTRATION

This is to certify that the management system of:

ELITE EXTRUSION L.L.C.

Main Site: CC01 – 436, COCO1, Al Hamra Industrial Zone – FZ, Ras Al Khaimah, United Arab Emirates

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

ISO 14001:2015

The management system is applicable to:

Manufacture and Supply of Aluminium Extruded Profiles in Mill Finish, Powder Coated, Anodised and Wood Effect Finish for Architectural & Industrial Applications.

Certificate Number:
0087576

Initial Certification Date:
18 February 2019

Date of Certification Decision:
21 December 2021

Issuing Date:
21 December 2021

Valid Until:
17 February 2025

Calin Moldovean
President, Business Assurance

Intertek Certification Limited, 10A Victory Park, Victory Road, Derby DE24 8ZF, United Kingdom

Intertek Certification Limited is a UKAS accredited body under schedule of accreditation no. 014.

In the issuance of this certificate, Intertek assumes no liability to any party other than to the Client, and then only in accordance with the agreed upon Certification Agreement. This certificate's validity is subject to the organization maintaining their system in accordance with Intertek's requirements for systems certification. Validity may be confirmed via email at certificate.validation@intertek.com or by scanning the code to the right with a smartphone. The certificate remains the property of Intertek, to whom it must be returned upon request.

CERTIFICATE
OF REGISTRATION

This is to certify that the management system of:

ELITE EXTRUSION L.L.C.

Main Site: CC01 – 436, COCO1, Al Hamra Industrial Zone – FZ, Ras Al Khaimah, United Arab Emirates

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

ISO 45001:2018

The management system is applicable to:

Manufacture and Supply of Aluminium Extruded Profiles in Mill Finish, Powder Coated, Anodised and Wood Effect Finish for Architectural & Industrial Applications.

Certificate Number:
0087575

Initial Certification Date:
18 February 2019

Date of Certification Decision:
21 December 2021

Issuing Date:
21 December 2021

Valid Until:
17 February 2025

Calin Moldovean
President, Business Assurance

Intertek Certification Limited, 10A Victory Park, Victory Road, Derby DE24 8ZF, United Kingdom

Intertek Certification Limited is a UKAS accredited body under schedule of accreditation no. 014.

In the issuance of this certificate, Intertek assumes no liability to any party other than to the Client, and then only in accordance with the agreed upon Certification Agreement. This certificate's validity is subject to the organization maintaining their system in accordance with Intertek's requirements for systems certification. Validity may be confirmed via email at certificate.validation@intertek.com or by scanning the code to the right with a smartphone. The certificate remains the property of Intertek, to whom it must be returned upon request.

UNITED ARAB EMIRATES
MINISTRY OF INDUSTRY
& ADVANCED TECHNOLOGY

الإمارات العربية المتحدة
وزارة الصناعة
والتكنولوجيا المتقدمة

ترخيص باستخدام علامة الجودة الإماراتية

LICENSE FOR THE USE OF EMIRATES QUALITY MARK

علامة الجودة الإماراتية
Emirates Quality Mark

Certificate Number:	24-09-23277/Q24-08-049496		**رقم الشهادة:**
Registration Date:	02-Sep-2024		**تاريخ الاصدار:**
Valid Until:	01-Sep-2027		**صالحة لغاية:**
Issued To:	Elite extrusion LLC		**أصدرت إلى :**
Address:	Al hamra industrial area, 21 - 86025, Ras Al-Khaimah ,United Arab Emirates		**العنوان :**
Sector:	Mechanical	ميكانيك	**قطاع:**
Regulation:	EQM - Voluntary product	EQM - Voluntary product	**اللائحة:**
Product Category:	Aluminium Profiles	مقاطع الألومنيوم	**تصنيف المنتج:**
Product Sub-Category:	See Schedule of Certification	انظر بيان التسجيل المرفق	**التصنيف الفرعي للمنتج:**
Products details:	See Schedule of Certification	انظر بيان التسجيل المرفق	**تفاصيل المنتجات :**

Products are EQM licensed based on compliance to the Approved Standards and EQM procedures

MOIAT

المنتجات حاصلة على علامة الجودة الإماراتية بناءً على مطابقتها للمواصفات المعتمدة و الإجراءات الخاصة بعلامة الجودة الإماراتية

This is an electronic certificate and does not require stamp and signature. Certificate will be invalid in case of any modification

هذه الشهادة صدرت إلكترونياً ولاتحتاج لختم أو توقيع، أي كشط أو تغيير في هذه الشهادة يلغيها.

CERTIFICATE

for a **COATING APPLICATOR**

QUALICOAT

SEASIDE

hereby authorises

ELITE EXTRUSION LLC
P.O. Box 31291
Ras Al Khaimah
United Arab Emirates

to use the quality label in conformity with the
QUALICOAT 2024 Specifications, applicable from 1 January 2024

Licence No.:	**1912**
Date of Granting:	**08.07.2009**
Valid until:	**31.12.2024**

Zurich, 1 January 2024

QUALICOAT

Ivo Vermeeren
President

Pascale Bellot
Secretary General

Authorization
to use the quality sign

ARCO Association Management AG, Zurich certifies that the company

ELITE EXTRUSION LLC

Al Jazirah Al Hamra
P.O. Box 86025
AE – 0000 Ras Al Khaimah

Licence number: 2004

is authorized to use the quality sign which is shown above, according to the regulations for the use of the quality label for ARCHITECTURAL ANODIZING as described in the current edition of the Specifications for the QUALANOD quality label for sulfuric acid-based anodizing of aluminium (Edition 01.03.2023). Architectural anodizing is one of the four types of anodizing covered by the Specifications.

Date of issue of the licence:	**19.06.2013**
Period of validity of the licence:	**until 31.12.2024**
Date of issue of the certificate:	**Zurich, 16 November 2023**

CERTIFICATION BODY

Sergio Marchionni
General Secretary
ARCO Association Management AG

JOTUN

Certificate of Approval

Elite Extrusion LLC

is certified as an Approved Applicator to coat

Jotun Facade

a product from Jotun Powder Coatings

This Company fulfils the requirements set by Jotun Powder Coatings for pre-treatment and application of powder coatings. These include having the necessary equipment, process controls and technical knowledge to comply with Jotun Powder Coatings' standards.

December 31, 2024

(Certificate valid until above date)

Authorised Signatory
Jotun Powder Coatings UAE (LLC)

JOTUN

Certificate of Approval

Elite Extrusion LLC

is certified as an Approved Applicator to coat

Jotun SuperDurable

a product from Jotun Powder Coatings

This Company fulfils the requirements set by Jotun Powder Coatings for pre-treatment and application of powder coatings. These include having the necessary equipment, process controls and technical knowledge to comply with Jotun Powder Coatings' standards.

December 31, 2024
(Certificate valid until above date)

Authorised Signatory
Jotun Powder Coatings UAE (LLC)

JOTUN

Certificate of Approval

Elite Extrusion LLC

is certified as an Approved Applicator to coat

Jotun Durasol

a product from Jotun Powder Coatings

This Company fulfils the requirements set by Jotun Powder Coatings for pre-treatment and application of powder coatings. These include having the necessary equipment, process controls and technical knowledge to comply with Jotun Powder Coatings' standards.

December 31, 2024
(Certificate valid until above date)

Authorised Signatory
Jotun Powder Coatings UAE (LLC)

Interpon powder coatings
EVERY COLOR IS GREEN

AkzoNobel

Interpon D Approved Applicator



Interpon D1000 Series

Elite Extrusion LLC

P.O. Box 86025, Ras Al Khaimah,

U.A.E.

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

01 January 2024 to 31 December 2024

Approved for Aluminium Alloys AA 6063

Approved for Pre-treatment Type Chrome Free

Gorkem Akbulut
Technical Service Representative
Powder Coatings – Middle East

Date: 29/12/2023
Certification number N° UAE33D1

AkzoNobel U.A.E. Paints L.L.C.

Interpon powder coatings
EVERY COLOR IS GREEN

AkzoNobel

Interpon D Approved Applicator



Interpon D2000 Series

Elite Extrusion LLC

P.O. Box 86025, Ras Al Khaimah,

U.A.E.

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

01 January 2024 to 31 December 2024

Approved for Aluminium Alloys AA 6063

Approved for Pre-treatment Type Chrome Free

Gorkem Akbulut
Technical Service Representative
Powder Coatings – Middle East

Date: 29/12/2023
Certification number N° UAE33D2

AkzoNobel U.A.E. Paints L.L.C.

MEMBERSHIP CERTIFICATION

This is to certify that

ELITE EXTRUSION LLC

P.O. BOX 86025, RAS AL KHAIMAH, UNITED ARAB EMIRATES

Membership Ref.: A019

is a member of the Quali Middle East Association and is a signatory to the policies and procedures related to the membership of the Association.

Period of validity of the certificate: until 31.12.2024

Dubai, 01st January 2024

QUALI MIDDLE EAST ASSOCIATION

Faizur Rahman
General Secretary

Mailing address: Quali Middle East Association
c/o Dubai Association Centre, Office 207 (16), Level 2
Building 2 at One Central, Dubai World Trade Centre
Dubai, United Arab Emirates

P.O. Box 23070, Dubai-UAE
Phone: +971 4 516 3052-3
E-Mail: admin@qualimiddleeast.com
Internet: www.qualimiddleeast.com

QMEA License No: 1268061 issued by Dubai Economy & Tourism

CONTENTS

SL. NO.	DESCRIPTION	PAGE No.
1.	BRITISH STANDARD TOLERANCES: BS EN 755-9:2016	01 - 15
2.	SLIDING & HINGED - DOORS & WINDOWS, THRESHOLD	A
3.	CORNER CLEAT ANGLES	B
4.	KICK PLATES & KICK TUBES	C
5.	FIXED LIGHTS	D
6.	CURTAIN WALL	E
7.	HANDRAILS & BALUSTRADES	F
8.	AMPLIMESH	G
9.	LOUVERS	H
10.	SIGN BOARD PROFILES	I
11.	CLAUSTRA	J
12.	SCAFFOLDING PROFILES	K
13.	CAMEL RACE PROFILES	L
14.	ROLLING SHUTTER PROFILES	M
15.	KITCHEN PROFILES	N
16.	MISCELLEANEOUS	O
17.	MOROCCO PROFILES	P
18.	TUNISIA PROFILES	Q
19.	SYRIA PROFILES	R
20.	LEBENON PROFILES	S
21.	IRAQ PROFILES	T
22.	KUWAIT PROFILES	U
23.	PALESTINE PROFILES	V
24.	OMAN PROFILES	W
25.	STANDARD PROFILES	X

BRITISH STANDARD TOLERANCES:
BS EN 755-9:2016

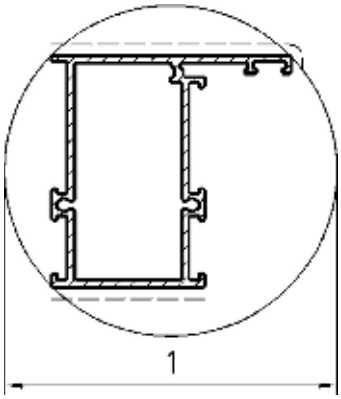
BRITISH STANDARD TOLERANCES: BS EN 755-9:2016

1 Scope

This European Standard specifies the tolerances on dimensions and form for aluminium and aluminium alloy extruded profile with a cross section contained within a circumscribing circle not greater than 800 mm (see Figure 1).

The temper designations used in this part are according to EN 515.

This European Standard applies to extruded profiles for general engineering applications only.



Key

1 circumscribing circle $CD \leq 800$ mm

Figure 1 — Circumscribing circle

2 Alloy groups

For the purpose of this document, the alloys are distributed into two groups which correspond to varying degrees of difficulty when manufacturing the products.

The division into group I and group II of the most commonly used general engineering alloys is specified in Table 1. Grouping of other alloys is subject to agreement between supplier and purchaser.

Table 1 — Alloy groups

Group I	EN AW-1050A, EN AW-1070A, EN AW-1200, EN AW-1350 EN AW-3102, EN AW-3003, EN AW-3103 EN AW-5005, EN AW-5005A EN AW-6101A, EN AW-6101B, EN AW-6005, EN AW-6005A, EN AW-6106, EN AW-6008, EN AW-6010A, EN AW-6023, EN AW-6060, EN AW-6360, EN AW-6063, EN AW-6063A, EN AW-6463
Group II	EN AW-2007, EN AW-2011, EN AW-2011A, EN AW-2014, EN AW-2014A, EN AW-2017A, EN AW-2024, EN AW-2030 EN AW-5019, EN AW-5049, EN AW-5051A, EN AW-5251, EN AW-5052, EN AW-5154A, EN AW-5454, EN AW-5754, EN AW-5083, EN AW-5086 EN AW-6012, EN AW-6014, EN AW-6018, EN AW-6351, EN AW-6061, EN AW-6261, EN AW-6262, EN AW-6262A, EN AW-6065, EN AW-6081, EN AW-6082, EN AW-6182 EN AW-7003, EN AW-7005, EN AW-7108, EN AW-7108A, EN AW-7020, EN AW-7021, EN AW-7022, EN AW-7049A, EN AW-7075

Licensed by Elite Extrusion LLC (ALIRAJEE KRISHNAN. Comm. version as of 30 June 2016
Not to be distributed/displayed. If you need multi-user/network access visit www.saiglobal.com/shop

BRITISH STANDARD TOLERANCES: BS EN 755-9:2016

3 Tolerances on dimensions

3.1 Cross-sectional dimensions

3.1.1 General

The tolerances on the dimensions listed below (see Figures 2, 3 and 4) are specified in the relevant Tables 2 to 9.

— *A*: wall thicknesses except those enclosing the hollow spaces in hollow profiles;

— *B*: wall thicknesses enclosing the hollow spaces in hollow profiles except those between two hollow spaces;

— *C*: wall thicknesses between two hollow spaces in hollow profiles;

— *E*: the length of the shorter leg of profiles with open ends;

— *H*: all dimensions (except wall thickness) between points on the cross section of the profile or the centres of open screw holes. Between points on the outer contour to points inside a hollow chamber so long as they are not identical to wall thickness *B*. Alternatively from the inside of a hollow chamber to the inside of another hollow chamber so long as they are not identical to wall thickness *C* and are not within the definition of dimension *H*. Such dimensions shall be replaced by dimension *H* plus wall thickness *B* or *C* or shall be subject to agreement between supplier and purchaser.

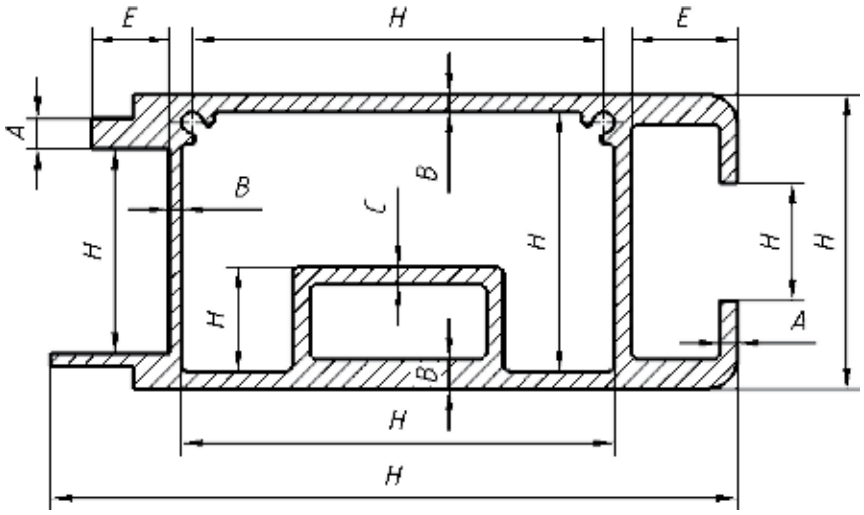


Figure 2 — Definition of dimensions *A, B, C, E, H*

3.1.2 Tolerances on dimensions other than wall thickness

The tolerances on dimensions shall be as specified in Tables 2 and 3. For profiles with open ends (see Figures 3, 4 and the relevant examples) the tolerances specified in Table 4 shall be added to those of Tables 2 and 3 for dimension *H* across open ended legs in order to obtain the tolerances on the gap between any opposite points on these ends.

Licensed by Elite Extrusion LLC MURALEE KRISHNAN. Current version as of 30 June 2016.
Not to be distributed/networked. If you need multi-user/network access visit www.bsigroup.com/license.

BRITISH STANDARD TOLERANCES: BS EN 755-9:2016

Table 2 — Tolerances on cross-sectional dimensions of solid and hollow profiles - Alloy group I

Dimensions in millimetres

Dimension *H*		Tolerances on *H* for circumscribing circle *CD* [a, b]				
Over	Up to and including	$CD \leq 100$	$100 < CD \leq 200$	$200 < CD \leq 300$	$300 < CD \leq 500$	$500 < CD \leq 800$
-	10	±0,25	±0,30	±0,35	±0,40	±0,50
10	25	±0,30	±0,40	±0,50	±0,60	±0,70
25	50	±0,50	±0,60	±0,80	±0,90	±1,0
50	100	±0,70	±0,90	±1,1	±1,3	±1,5
100	150	-	±1,1	±1,3	±1,5	±1,7
150	200	-	±1,3	±1,5	±1,8	±2,0
200	300	-	-	±1,7	±2,1	±2,4
300	450	-	-	-	±2,8	±3,0
450	600	-	-	-	±3,8	±4,2
600	800	-	-	-	-	±5,0

[a] These tolerances do not apply to tempers O and Tx510. For these tempers, the tolerances shall be subject to agreement between supplier and purchaser.

[b] For profiles with open ends, see Figures 3 and 4, the tolerances for *H* in the area of the open ends shall be increased by the values specified in Table 4.

Table 3 — Tolerances on cross-sectional dimensions of solid and hollow profiles - Alloy group II

Dimensions in millimetres

Dimension *H*		Tolerances on *H* for circumscribing circle *CD* [a, b]				
Over	Up to and including	$CD \leq 100$	$100 < CD \leq 200$	$200 < CD \leq 300$	$300 < CD \leq 500$	$500 < CD \leq 800$
-	10	±0,40	±0,50	±0,55	±0,60	±0,70
10	25	±0,50	±0,70	±0,80	±0,90	±1,1
25	50	±0,80	±0,90	±1,0	±1,2	±1,3
50	100	±1,0	±1,2	±1,3	±1,6	±1,8
100	150	-	±1,5	±1,7	±1,8	±2,0
150	200	-	±1,9	±2,2	±2,4	±2,7
200	300	-	-	±2,5	±2,8	±3,1
300	450	-	-	-	±3,5	±3,8
450	600	-	-	-	±4,5	±5,0
600	800	-	-	-	-	±6,0

[a] These tolerances do not apply to tempers O and Tx510. For these tempers, the tolerances shall be subject to agreement between supplier and purchaser.

[b] For profiles with open ends, see Figures 3 and 4, the tolerances for *H* in the area of the open ends shall be increased by the values specified in Table 4.

Licensed by Elite Extrusion LLC,ALIPAI EE <RISHNAN. Current version as of 30 June 2016.
Not to be distributed/shared. If you need multi-user/network access visit www.saiglobal.com/shop

BRITISH STANDARD TOLERANCES: BS EN 755-9:2016

Table 4 — Additions to the tolerances on cross-sectional dimensions *H* of solid and hollow profiles with open ends - Alloy groups I and II

Dimensions in millimetres

Dimension *E*		Additions to the tolerances on *H* in Tables 2 and 3 for dimensions across the ends of open ended profiles
Over	Up to and including	
-	20	-
20	30	±0,15
30	40	±0,25
40	60	±0,40
60	80	±0,50
80	100	±0,60
100	125	±0,80
125	150	±1,0
150	180	±1,2
180	210	±1,4
210	250	±1,6
250	-	±1,8

Figures 3 and 4 below show open ends on hollow and solid profiles. The determination of tolerances on cross-sectional dimensions *H* is shown in the following calculation examples 1 and 2.

Examples of tolerance calculations across open ended profiles.

EXAMPLE 1

Dimension *H*: 20 mm

Dimension *E*: 100 mm Circumscribing circle *CD* 100 mm to 200 mm Alloy Group I

The tolerance on *H* according to Table 2 is ± 0,40 mm; plus the additional tolerance according to Table 4 which is ± 0,60 mm; total tolerance on *H* is ± 1,0 mm.

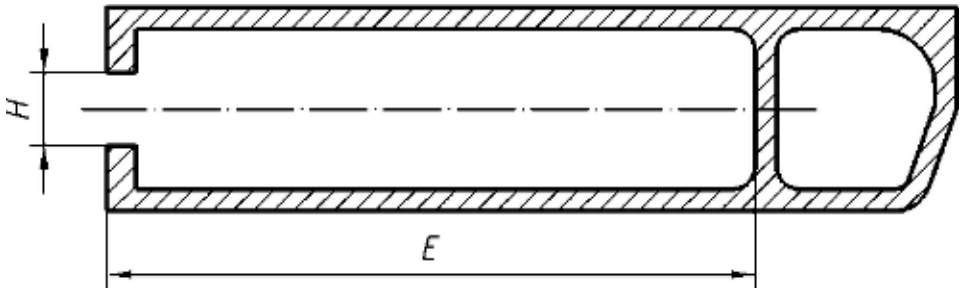


Figure 3 — Hollow profile with open end

Licensed by Elite Extrusion LLC MURALEE KRISHNAN. Current version as of 30 June 2016.
Not to be distributed/networked. If you need multi-user/network access visit www.bsigroup.com/license.

BRITISH STANDARD TOLERANCES: BS EN 755-9:2016

EXAMPLE 2

Dimension *H:* 40 mm

Dimension *E:* 50 mm Circumscribing circle *CD* 100 mm to 200 mm Alloy group II

The tolerance on *H* according to Table 3 is ± 0,90 mm; plus the additional tolerance according to Table 4 which is ± 0,40 mm; total tolerance on *H* is ± 1,3 mm.

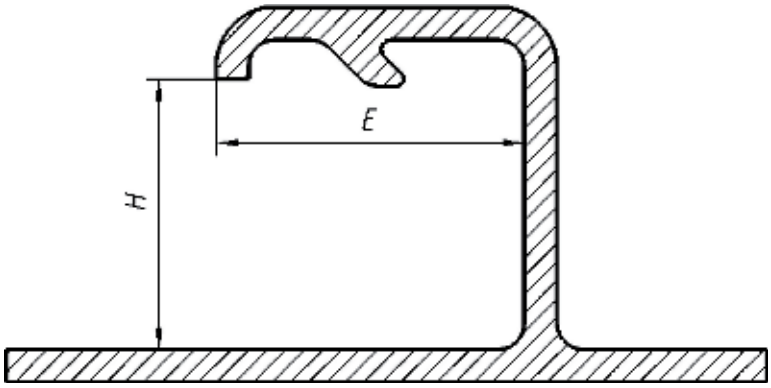


Figure 4 — Solid profile with open end

3.1.3 Tolerances on wall thickness of solid and hollow profiles

The tolerances on wall thickness of solid and hollow profiles shall be as specified in Tables 5, 6, 7 and 8.

Table 5 — Tolerances on wall thickness for profiles with a circumscribing circle up to and including 300 mm - Alloy group I

Dimensions in millimetres

Nominal wall thickness *A, B* or *C*		Tolerances on wall thickness					
		Wall thickness *A* Circumscribing circle		Wall thickness *B* [a] Circumscribing circle		Wall thickness *C* Circumscribing circle	
Over	Up to and including	*CD* ≤ 100	100 < *CD* ≤ 300	*CD* ≤ 100	100 < *CD* ≤ 300	*CD* ≤ 100	100 < *CD* ≤ 300
-	1,5	±0,15	±0,20	±0,20	±0,30	±0,25	±0,35
1,5	3	±0,15	±0,25	±0,25	±0,40	±0,30	±0,50
3	6	±0,20	±0,30	±0,40	±0,60	±0,50	±0,75
6	10	±0,25	±0,35	±0,60	±0,80	±0,75	±1,0
10	15	±0,30	±0,40	±0,80	±1,0	±1,0	±1,2
15	20	±0,35	±0,45	±1,2	±1,5	±1,5	±1,9
20	30	±0,40	±0,50	±1,5	±1,8	±1,9	±2,2
30	40	±0,45	±0,60	-	±2,0	-	±2,5
40	50	-	±0,70	-	-	-	-

[a] For seamless hollow profiles the tolerances given for wall thickness *C* shall apply.

Licensed by Elite Extrusion LLC,MURALEE KRISHNAN, Current version as of 30 June 2016.
Not to be distributed/networked. If you need multi-user/network access visit www.bsigroup.com/license.

BRITISH STANDARD TOLERANCES: BS EN 755-9:2016

Table 6 — Tolerances on wall thickness for profiles with a circumscribing circle over 300 mm – Alloy group I

Dimensions in millimetres

Nominal wall thickness *A, B* or *C*		Tolerances on wall thickness					
		Wall thickness *A* Circumscribing circle		Wall thickness *B* [a] Circumscribing circle		Wall thickness *C* Circumscribing circle	
Over	Up to and including	300 < *CD* ≤ 500	500 < *CD* ≤ 800	300 < *CD* ≤ 500	500 < *CD* ≤ 800	300 < *CD* ≤ 500	500 < *CD* ≤ 800
-	1,5	±0,25	-	-	-	-	-
1,5	3	±0,35	±0,40	±0,60	±0,80	±0,75	±1,0
3	6	±0,40	±0,50	±0,80	±1,0	±1,0	±1,2
6	10	±0,45	±0,55	±1,0	±1,2	±1,2	±1,5
10	15	±0,50	±0,60	±1,2	±1,5	±1,5	±1,9
15	20	±0,55	±0,65	±1,7	±2,0	±2,0	±2,5
20	30	±0,60	±0,70	±2,0	±2,5	±2,5	±3,0
30	40	±0,70	±0,80	±2,2	±2,7	±2,7	±3,3
40	50	±0,80	±0,90	-	-	-	-

[a] For seamless hollow profiles the tolerances given for wall thickness *C* shall apply.

Table 7 — Tolerances on wall thickness for profiles with a circumscribing circle up to and including 300 mm - Alloy group II

Dimensions in millimetres

Nominal wall thickness *A, B* or *C*		Tolerances on wall thickness					
		Wall thickness *A* Circumscribing circle		Wall thickness *B* [a] Circumscribing circle		Wall thickness *C* Circumscribing circle	
Over	Up to and including	*CD* ≤ 100	100 < *CD* ≤ 300	*CD* ≤ 100	100 < *CD* ≤ 300	*CD* ≤ 100	100 < *CD* ≤ 300
-	1,5	±0,20	±0,25	±0,30	±0,40	±0,35	±0,50
1,5	3	±0,25	±0,30	±0,35	±0,50	±0,45	±0,65
3	6	±0,30	±0,35	±0,55	±0,70	±0,60	±0,90
6	10	±0,35	±0,45	±0,75	±1,0	±1,0	±1,3
10	15	±0,40	±0,50	±1,0	±1,3	±1,3	±1,7
15	20	±0,45	±0,55	±1,5	±1,8	±1,9	±2,2
20	30	±0,50	±0,60	±1,8	±2,2	±2,2	±2,7
30	40	±0,60	±0,70	-	±2,5	-	-
40	50	-	±0,80	-	-	-	-

[a] For seamless hollow profiles the tolerances given for wall thickness *C* shall apply.

Licensed by Elite Extrusion LLC MURALEE KRISHNAN. Current version as of 30 June 2016.
Not to be distributed/networked. If you need multi-user/network access visit www.bsigroup.com/license.

BRITISH STANDARD TOLERANCES: BS EN 755-9:2016

Table 8 — Tolerances on wall thickness for profiles with a circumscribing circle over 300 mm – Alloy group II

Dimensions in millimetres

Nominal wall thickness *A*, *B* or *C*		Tolerances on wall thickness					
		Wall thickness *A* Circumscribing circle		Wall thickness *B* [a] Circumscribing circle		Wall thickness *C* Circumscribing circle	
Over	Up to and including	300 < *CD* ≤ 500	500 < *CD* ≤ 800	300 < *CD* ≤ 500	500 < *CD* ≤ 800	300 < *CD* ≤ 500	500 < *CD* ≤ 800
-	1,5	±0,35	-	-	-	-	-
1,5	3	±0,45	±0,50	±0,70	±0,90	±0,90	±1,2
3	6	±0,60	±0,60	±0,90	±1,0	±1,2	±1,3
6	10	±0,65	±0,70	±1,2	±1,5	±1,5	±1,9
10	15	±0,70	±0,80	±1,5	±1,8	±1,9	±2,3
15	20	±0,75	±0,85	±2,0	±2,5	±2,3	±3,1
20	30	±0,80	±0,90	±2,5	±3,0	±3,1	±3,7
30	40	±0,90	±1,0	±3,0	±3,2	-	-
40	50	±1,0	±1,1	-	-	-	-

[a] For seamless hollow profiles the tolerances given for wall thickness *C* shall apply.

3.2 Length

If fixed lengths are to be supplied, this shall be stated in the order document. The tolerances on fixed length shall be as specified in Table 9.

Table 9 — Tolerances on fixed length

Dimensions in millimetres

Circumscribing circle diameter *CD*		Tolerances on fixed length *L*				
Over	Up to and including	*L* ≤ 2 000	2 000 < *L* ≤ 5 000	5 000 < *L* ≤ 10 000	10 000 < *L* ≤ 15 000	15 000 < *L* ≤ 25 000
-	100	+5 0	+7 0	+10 0	+16 0	+22 0
100	200	+7 0	+9 0	+12 0	+18 0	+24 0
200	450	+8 0	+11 0	+14 0	+20 0	+28 0
450	800	+9 0	+14 0	+16 0	+22 0	+30 0

If no fixed length is specified in the order document, profiles may be delivered in random lengths.

Licensed by Elite Extrusion LLC MURALEE KRISHNAN. Current version as of 30 June 2016.
Not to be distributed/networked. If you need multi-user/network access visit www.bsigroup.com/license.

BRITISH STANDARD TOLERANCES: BS EN 755-9:2016

The length range and the tolerances on the random length shall be subject to agreement between supplier and purchaser.

3.3 Squareness of cut ends

The squareness of cut ends shall be within half of the fixed length tolerance range specified in Table 9 for both fixed and random length (e.g. for a fixed length tolerance of $^{+10}_{0}$ mm, the squareness of cut ends shall be within 5 mm).

4 Tolerances on form

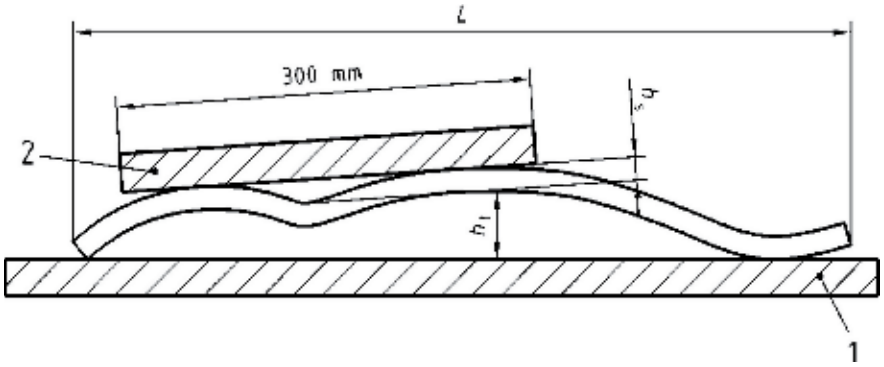
4.1 General

Tolerances on form for O and Tx510 tempers shall be subject to agreement between supplier and purchaser.

4.2 Straightness

Deviations from straightness, h_s and h_t, shall be measured as shown in Figure 5 with the profile placed on a horizontal base plate so that its own mass decreases the deviation.

The straightness tolerance h_t shall not exceed 1,5 mm/m x L where L is the length of the profile (e.g. Nine mm maximum deviation for a 6 m length L). Local deviations h_s from straightness shall not exceed 0,6 mm/300 mm length.



Key

1 base plate
2 straight edge

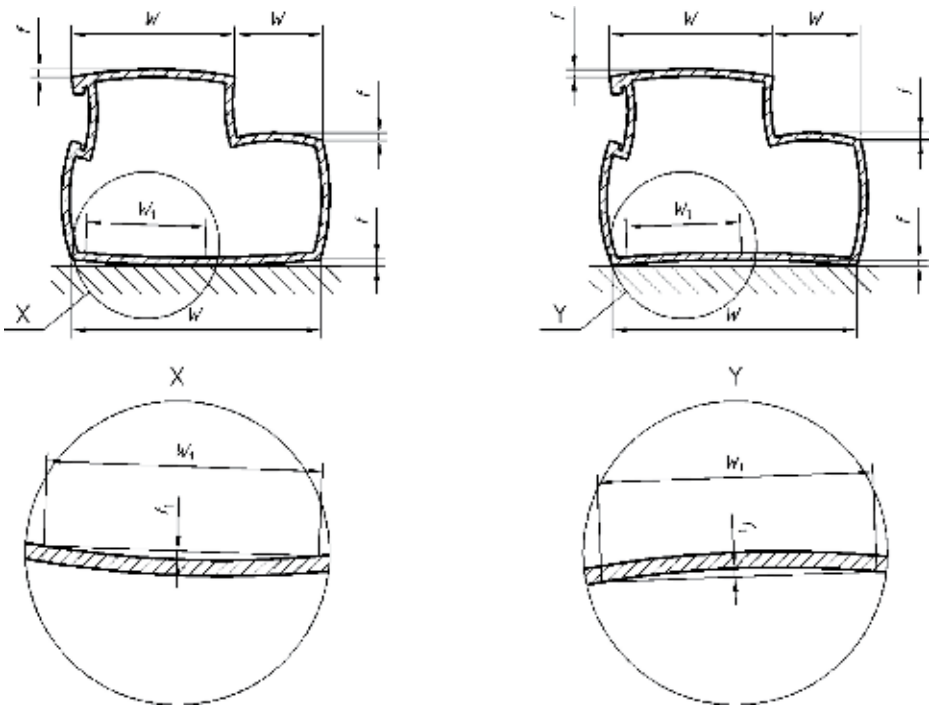
Figure 5 — Measurement of deviation from straightness

4.3 Convexity-Concavity

The convexity-concavity shall be measured as shown in Figures 6 and 7. For Alloy Group I the maximum allowable deviation on convexity-concavity for solid and hollow profiles shall be as specified in Table 10 as a function of profile width W and thickness t. For alloys in Alloy Group II, the tolerances given in Table 10 shall be multiplied by a factor of 1,4.

Licensed by Elite Extrusion LLC,MURALEE KRISHNAN. Current version as of 30 June 2016.
Not to be distributed/networked. If you need multi-user/network access visit www.beigroup.com/license.

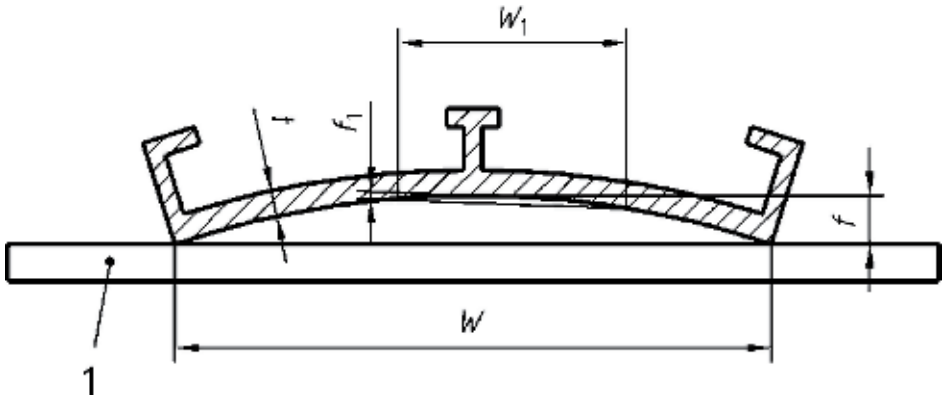
BRITISH STANDARD TOLERANCES: BS EN 755-9:2016



Key

W	width
f	deviation
W_1	100 mm
f_1	local deviation per any 100 mm

Figure 6 — Measurement of convexity - concavity for hollow sections



Key

1	base plate
W	width
f	deviation
W_1	100 mm
f_1	local deviation per any 100 mm

Figure 7 — Measurement of convexity – concavity for open section

Licensed by Elite Extrusion LLC MURALEE KRISHNAN. Current version as of 30 June 2016.
Not to be distributed/networked. If you need multi-user/network access visit www.bsigroup.com/license.

BRITISH STANDARD TOLERANCES: BS EN 755-9:2016

Table 10 — Convexity - concavity tolerances

Dimensions in millimetres

Width W		Deviation f		
		Hollow profiles [a]		Solid profiles
Over	Up to and including	Wall thickness $t \leq 5$	Wall thickness $t > 5$	
-	30	0,30	0,20	0,20
30	60	0,40	0,30	0,30
60	100	0,60	0,40	0,40
100	150	0,90	0,60	0,60
150	200	1,2	0,80	0,80
200	300	1,8	1,2	1,2
300	400	2,4	1,6	1,6
400	500	3,0	2,0	2,0
500	600	3,6	2,4	2,4
600	800	4,0	3,0	3,0
For alloys in Group II, the specified tolerances shall be multiplied by a factor of 1,4.				
[a] If the profile has varying wall thicknesses in the measurement range, the thinnest wall thickness shall be used.				

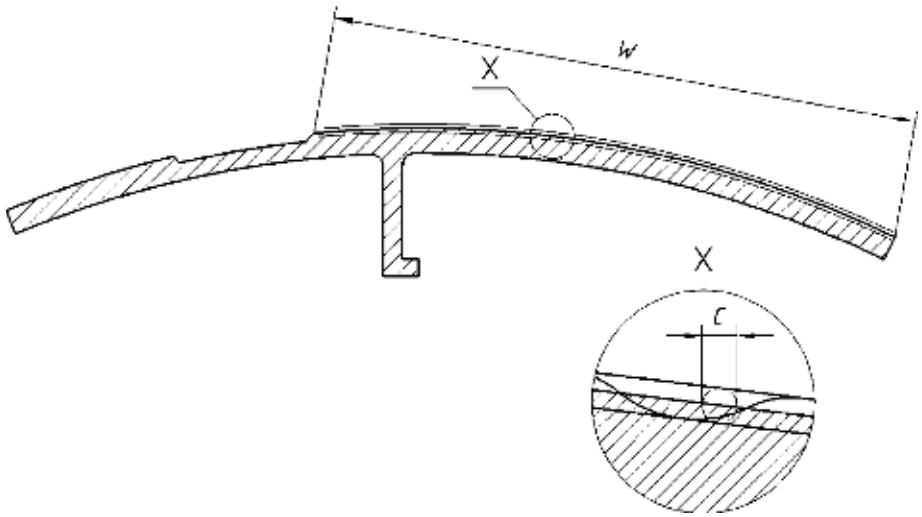
In the case of solid and hollow profiles with a width W of at least 150 mm, the local deviation $f1$, shall not exceed 0,7 mm for any 100 mm of width W_1.

4.4 Contour

For profiles in Alloy Group I with curved cross sections, the deviation at any point of the curve from the theoretically exact line as defined by the drawing shall not be greater than the appropriate tolerance C specified in Table 11. Considering all points on the curve, a tolerance zone shall be defined as the zone between two envelopes running tangentially to all circles of diameter C which can be drawn with their centres lying along the theoretically exact line; this is shown in Figure 8.

Licensed by Elite Extrusion LLC MURALEE KRISHNAN. Current version as of 30 June 2016.
Not to be distributed/networked. If you need multi-user/network access visit www.bsigroup.com/license.

BRITISH STANDARD TOLERANCES: BS EN 755-9:2016



For alloys in Alloy Group II the specified tolerances shall be multiplied by a factor of 1,4.

Figure 8 — Definition of contour tolerances

Table 11 — Contour tolerances for alloys in Alloy Group I

Dimensions in millimetres

Width *W* of the contour		Contour tolerance = diameter *C* of the tolerance circle
Over	Up to and including	
-	30	0,30
30	60	0,50
60	90	0,70
90	120	1,0
120	150	1,2
150	200	1,5
200	250	2,0
250	300	2,5
300	400	3,0
400	500	3,5
500	800	4,0

NOTE Contour tolerances can be checked by the use of suitable gauges (min./max.).

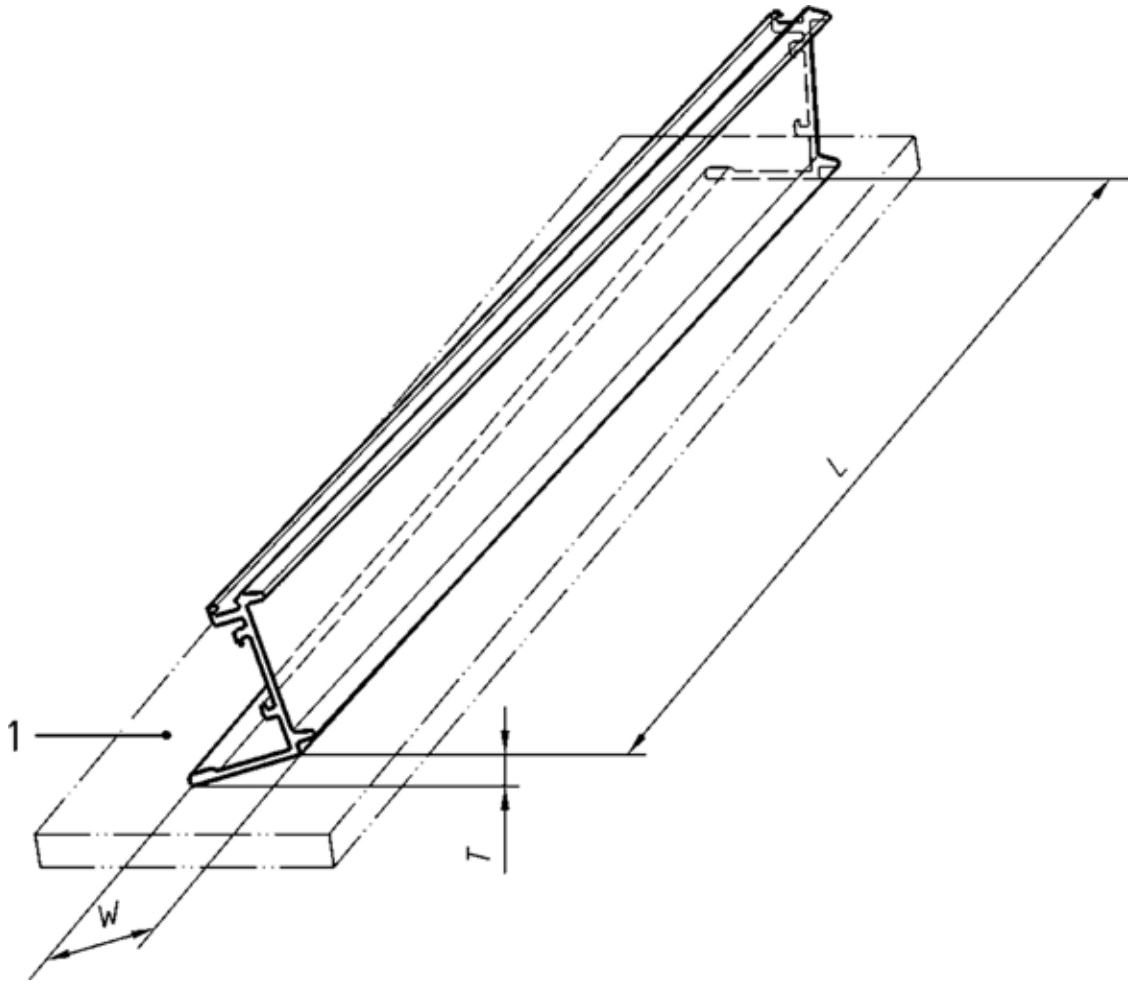
4.5 Twist

Twist *T* shall be measured as shown in Figure 9 by placing the profile on a flat baseplate, the profile resting under its own mass. As shown in Figure 9, twist is determined by measuring the maximum distance between the bottom surface of the profile and the surface of the base plate.

Twist tolerances are specified in Table 12 as a function of the width *W* and the length *L* of the profile.

Licensed by Elite Extrusion LLC,MURALEE KRISHNAN. Current version as of 30 June 2016.
Not to be distributed/networked. If you need multi-user/network access visit www.bsigroup.com/license.

BRITISH STANDARD TOLERANCES: BS EN 755-9:2016



Key

1 base plate

Figure 9 — Measurement of twist

Figure 9 shows an example of a simple case of twist. There are other possibilities where the twist shall be identified differently. Some examples are given below:

— Differing positioning of the profile on the baseplate such that the maximum twist shall be calculated as the sum of two separate measurements on the diagonal end positions.

— Discontinuous twist over the profile length such that the maximum twist is the difference between specific points along the length. The maximum twist in this case is not necessarily equal to the maximum distance to the base plate and should not be confused with planarity of the surfaces (combination of twist and straightness).

— In the case of such difficult interpretation of twist, the specific requirements and methods of measurement shall be subject to agreement between supplier and purchaser.

Licensed by Elite Extrusion LLC,MURALEE KRISHNAN. Current version as of 30 June 2016.
Not to be distributed/networked. If you need multi-user/network access visit www.bsigroup.com/license.

BRITISH STANDARD TOLERANCES: BS EN 755-9:2016

Table 12 — Twist tolerances

Dimensions in millimetres

Width *W*		Twist tolerance *T* for length *L*		
Over	Up to and including	Per 1 000 of length [a]	On total profile length *L*	
			Over 1 000 and including 6 000	Over 6 000
-	30	1,2	2,5	3,0
30	50	1,5	3,0	4,0
50	100	2,0	3,5	5,0
100	200	2,5	5,0	7,0
200	300	2,5	6,0	8,0
300	450	3,0	8,0	1,5 x *L* (*L* in metres)
450	600	3,5	9,5	
600	800	4,5	10,0	

[a] Twist tolerances for lengths less than 1 000 mm shall be subject to agreement between supplier and purchaser.

4.6 Angularity

The deviation from a specified angle shall be measured as shown in Figures 10 and 11.

The angularity tolerances for right angles shall be as specified in Table 13 as a function of profile width *W*.

The maximum allowable deviation α in an angle other than a right angle shall be ± 1°.

In the case of unequal side lengths the tolerance on angularity shall apply to the shorter side of the angle, i.e. it is measured starting from the longer side.

Table 13 — Angularity tolerances for right angles

Dimensions in millimetres

Width *W*		Maximum allowable deviation, *Z* from a right angle
Over	Up to and including	
-	30	0,4
30	50	0,7
50	80	1,0
80	120	1,4
120	180	2,0
180	240	2,6
240	300	3,1
300	400	3,5

For profiles with *W* which exceeds 400 mm, the tolerances shall be subject to agreement between the supplier and purchaser.

Licensed by Elite Extrusion LLC MURALEE KRISHNAN. Current version as of 30 June 2016.
Not to be distributed/networked. If you need multi-user/network access visit www.bsigroup.com/license.

BRITISH STANDARD TOLERANCES: BS EN 755-9:2016

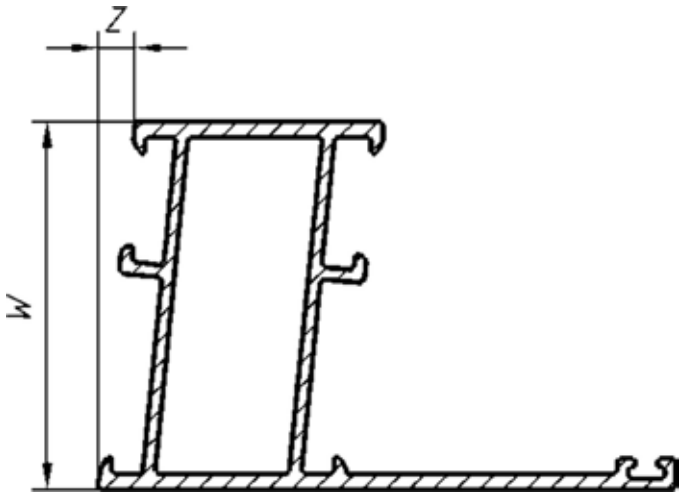


Figure 10 — Measurement of angularity in a right angle

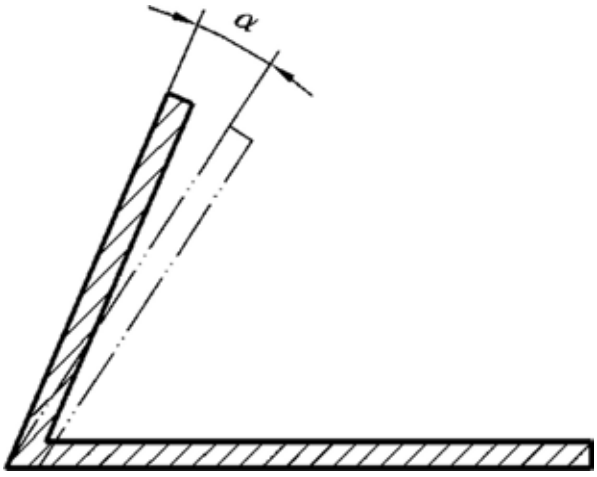


Figure 11 — Measurement of angularity in an angle other than a right angle

Licensed by Elite Extrusion LLC,MURALEE KRISHNAN, Current version as of 30 June 2016.
Not to be distributed/networked. If you need multi-user/network access visit www.bsigroup.com/license.

4.7 Corner and fillet radii

Sharp corners and fillets may be slightly rounded unless otherwise indicated on the drawing. The maximum allowable corner and fillet radii shall be as specified in Table 14.

When a corner or fillet radius is specified, the maximum allowable deviation from this radius shall be as specified in Table 15.

BRITISH STANDARD TOLERANCES: BS EN 755-9:2016

Table 14 — Maximum allowable corner and fillet radii

Dimensions in millimetres

Wall thickness *A*, *B* or *C* [a]	Maximum allowable radius	
	Alloy group I	Alloy group II [b]
≤ 5	0,6	0,8
> 5	1,0	1,5

[a] Where varying wall thicknesses are involved, the maximum allowable radius in the transition zone is a function of the greater wall thickness.

[b] These tolerances only apply to 6xxx series alloys in group II. The maximum allowable radii for the other alloys in group II shall be subject to agreement between supplier and purchaser.

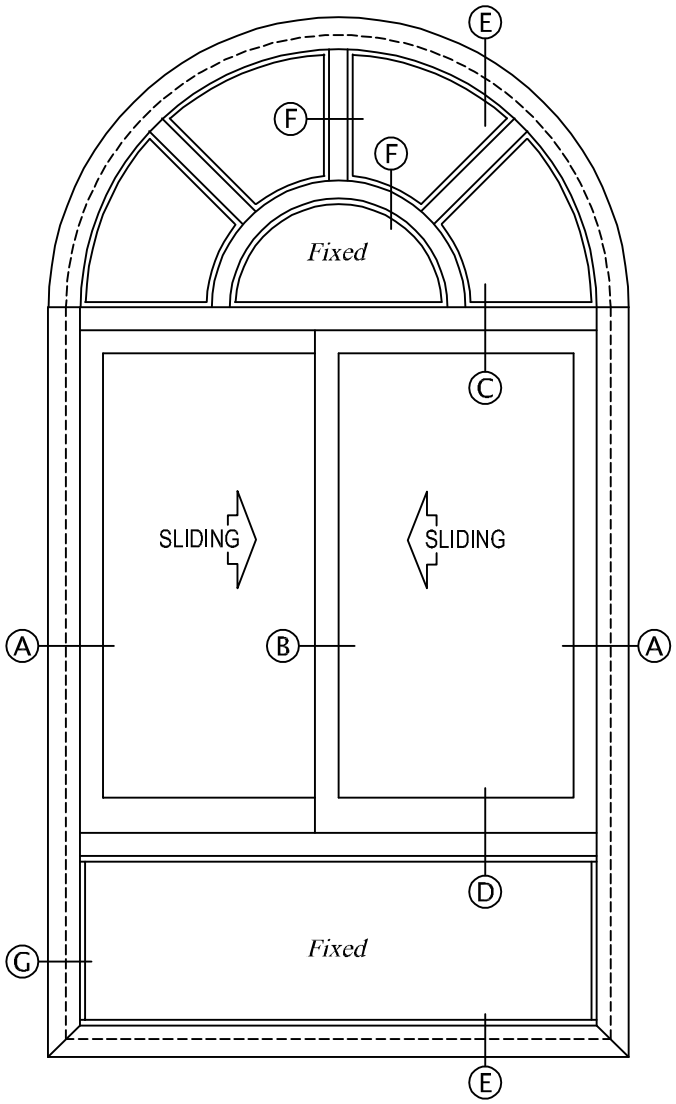
Table 15 — Maximum allowable deviation from specified corner and fillet radii

Specified radius mm	Maximum allowable deviation from specified radius
≤ 5	±0,5 mm
> 5	±10 %

Licensed by Elite Extrusion LLC MURALEE KRISHNAN. Current version as of 30 June 2016.
Not to be distributed/networked. If you need multi-user/network access visit www.bsigroup.com/license.

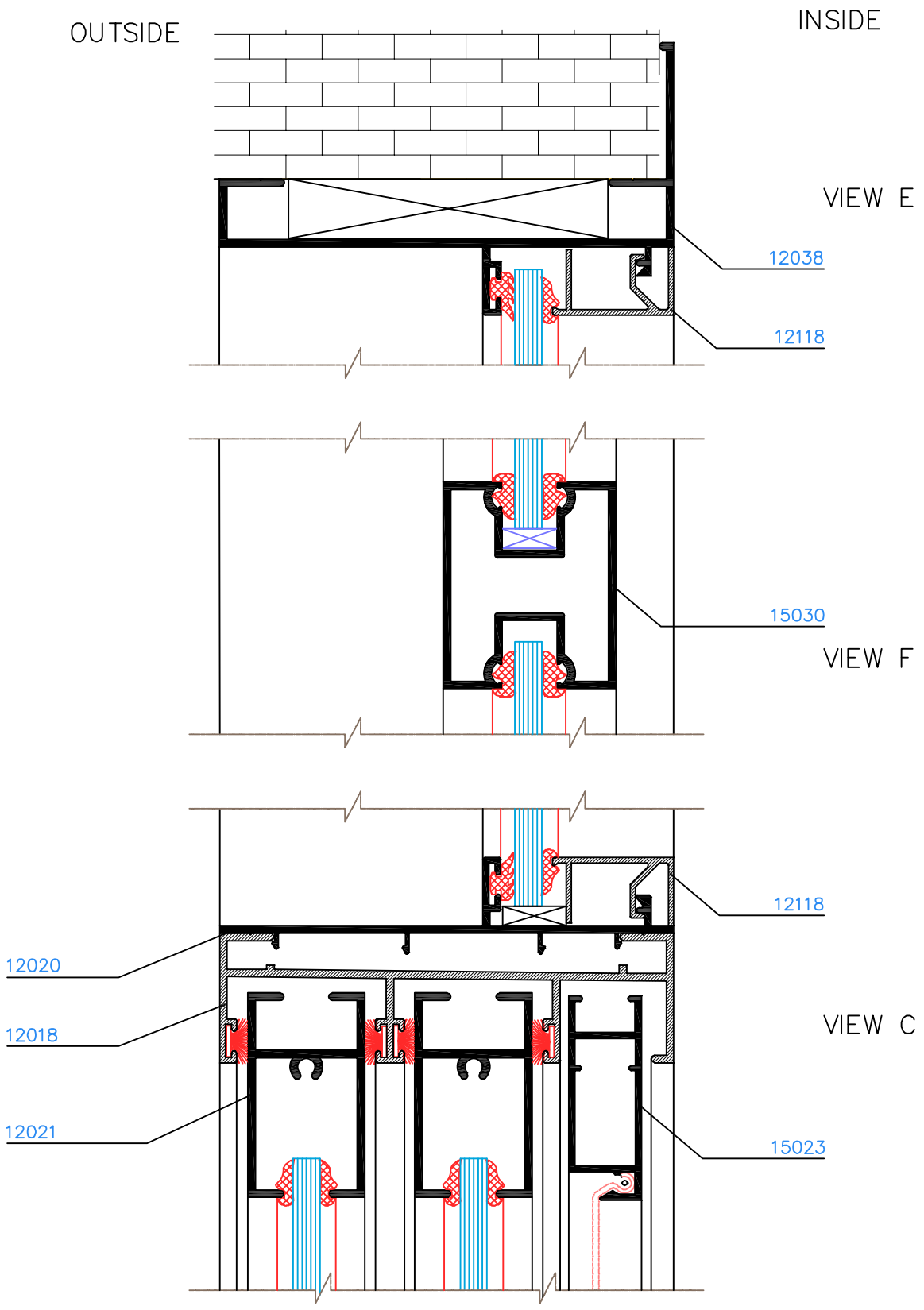
SLIDING & HINGED - DOORS & WNDOWS

SLIDING SERIES

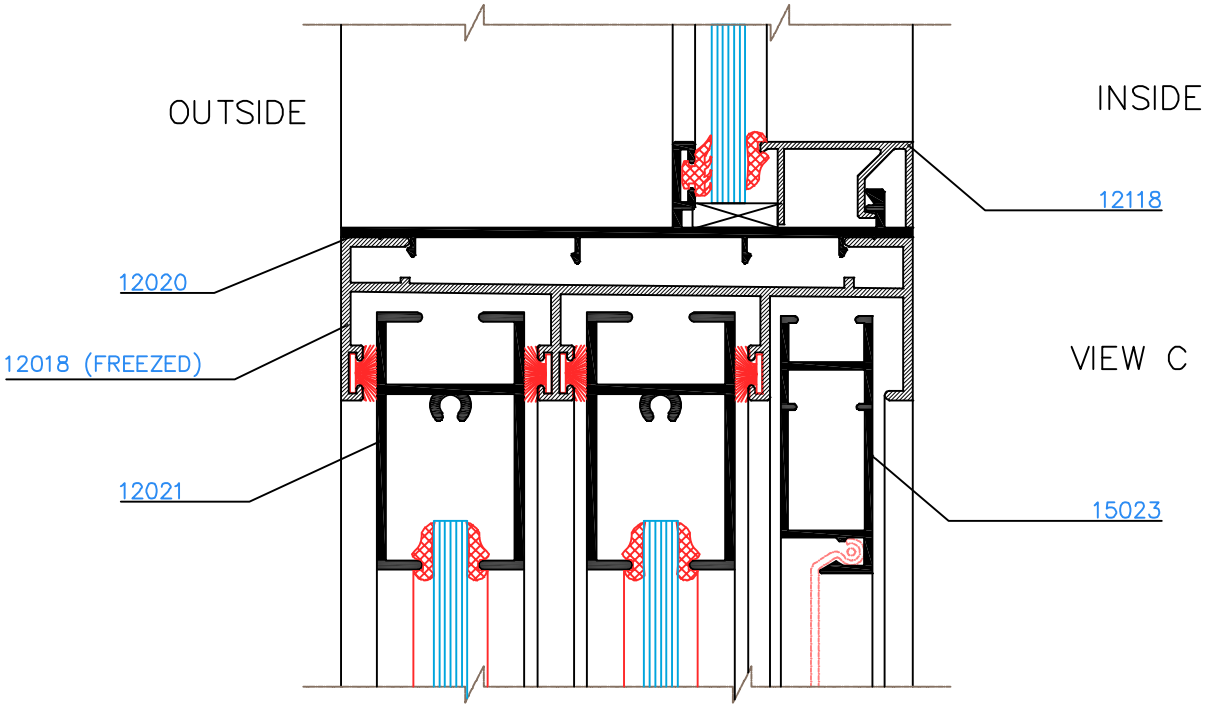


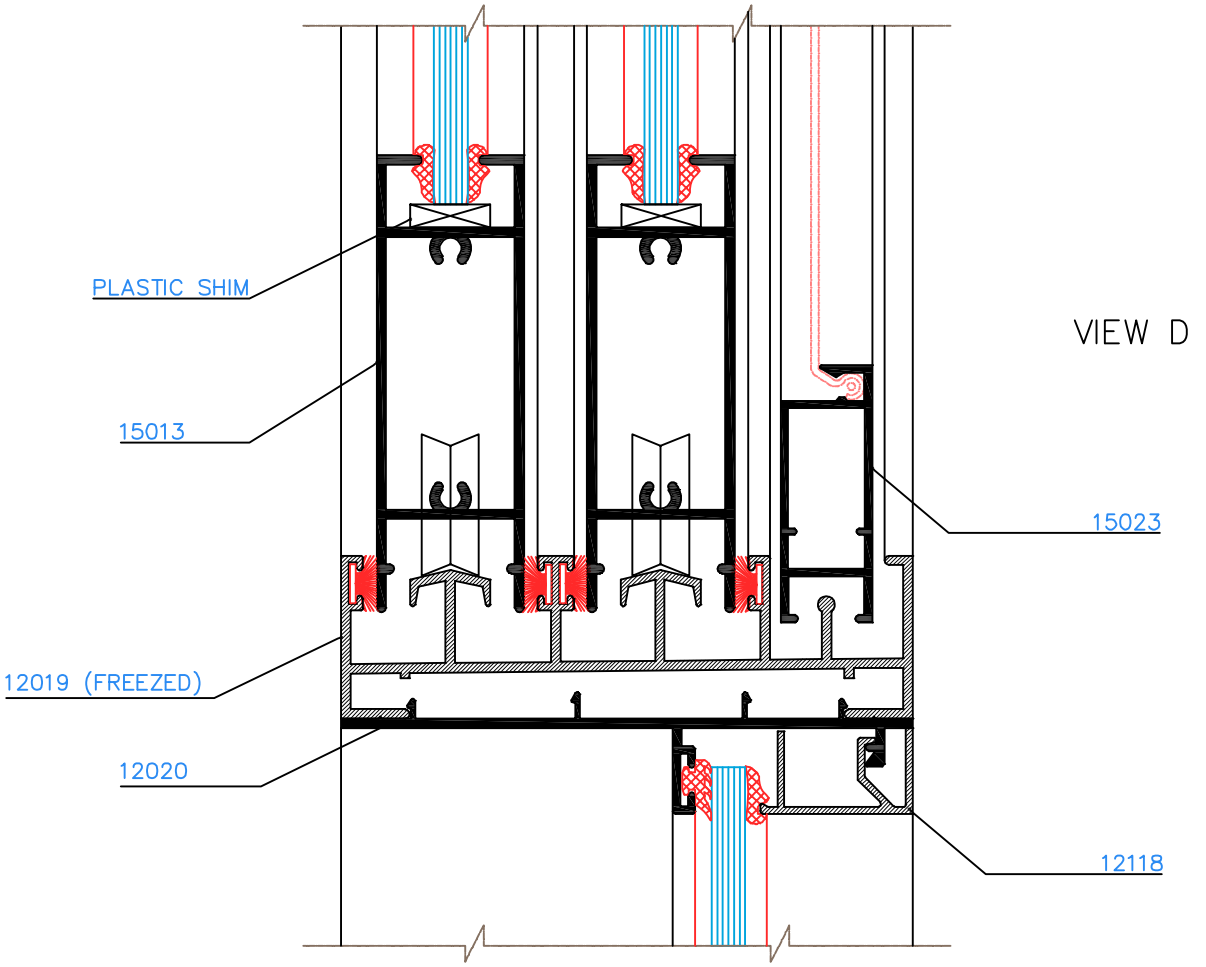
Sliding Window
(Top & Bottom Fixed Glass)

SLIDING SERIES

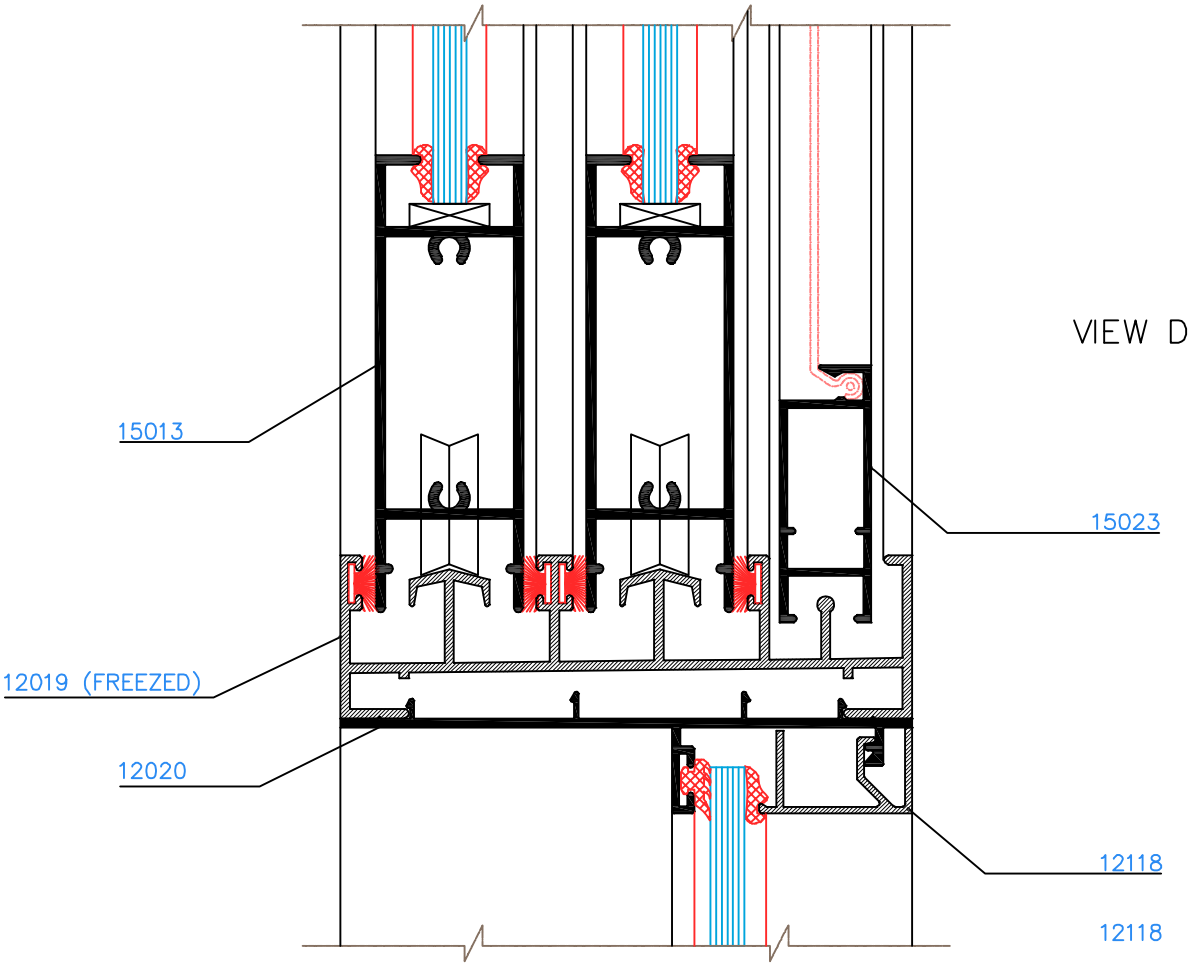


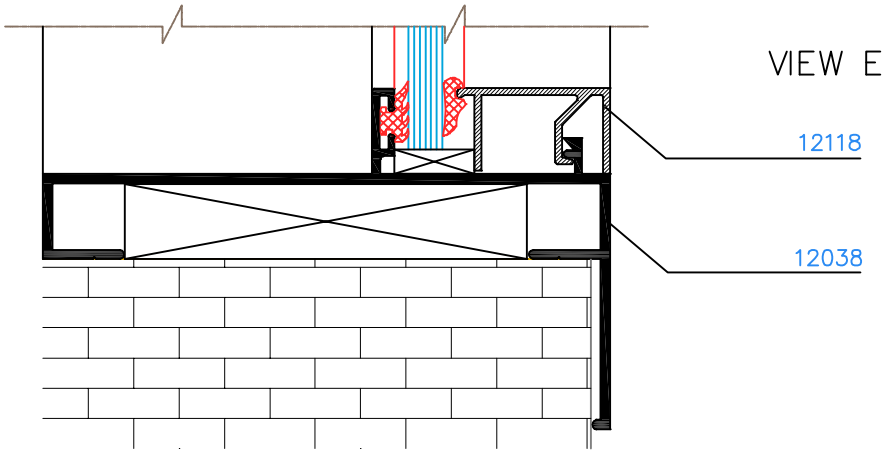
SLIDING SERIES





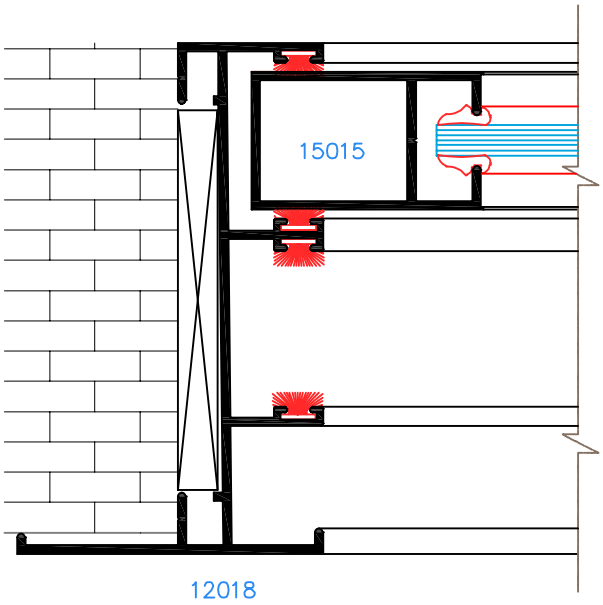
SLIDING SERIES



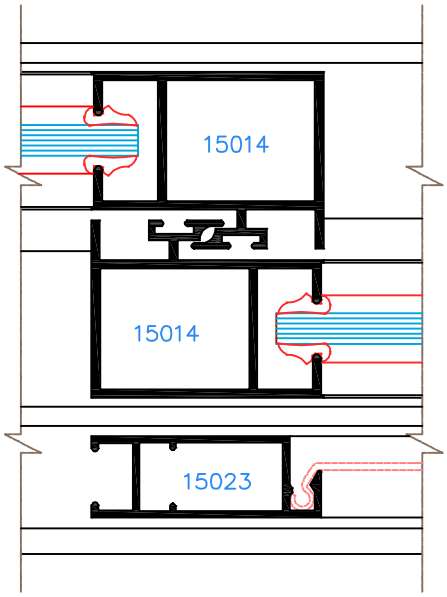


SLIDING SERIES

OUTSIDE

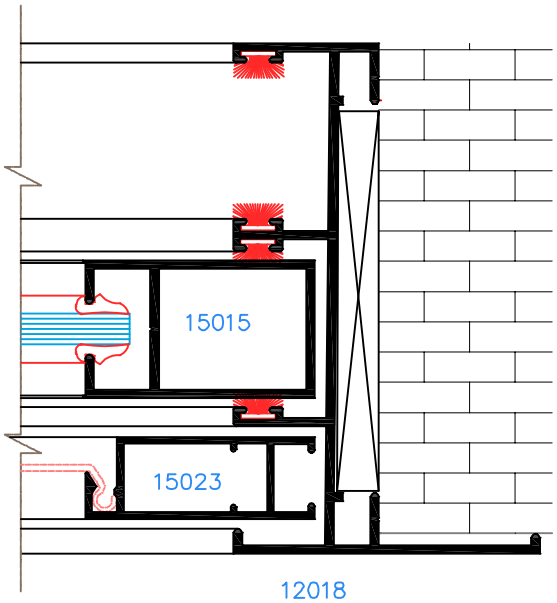


VIEW A



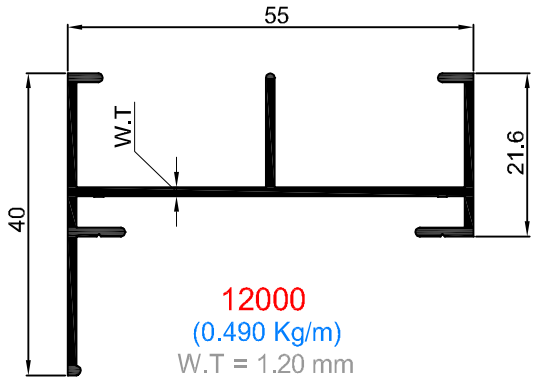
VIEW B

INSIDE

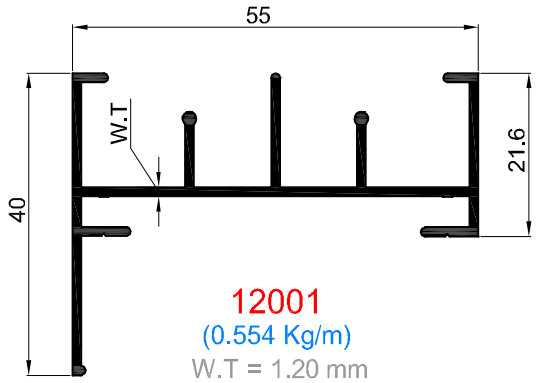


VIEW A

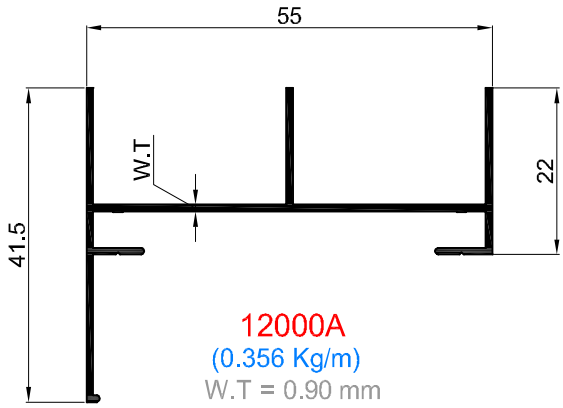
55 mm SLIDING WINDOWS



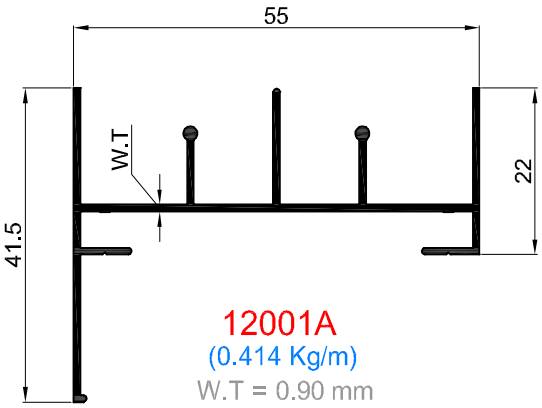
12000
(0.490 Kg/m)
W.T = 1.20 mm



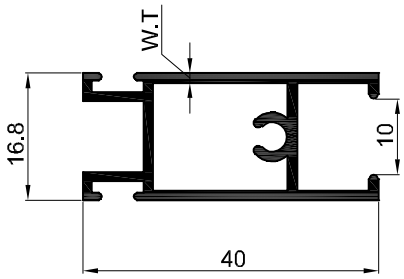
12001
(0.554 Kg/m)
W.T = 1.20 mm



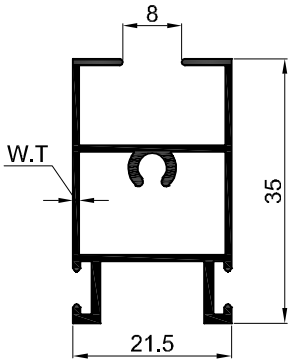
12000A
(0.356 Kg/m)
W.T = 0.90 mm



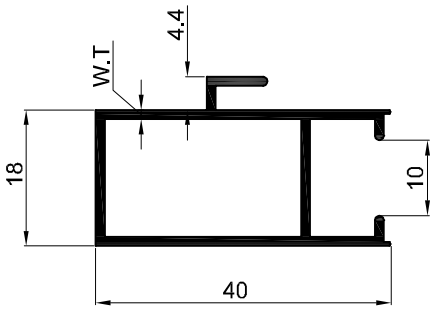
12001A
(0.414 Kg/m)
W.T = 0.90 mm



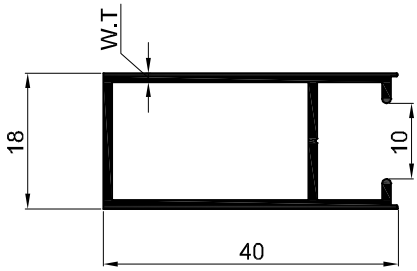
15000
(0.456 Kg/m)
W.T = 1.30 mm



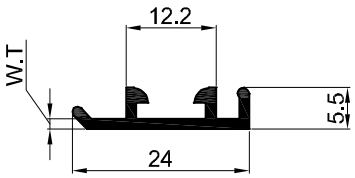
15000A
(0.360 Kg/m)
W.T = 0.85 mm



15001
(0.411 Kg/m)
W.T = 1.20 mm

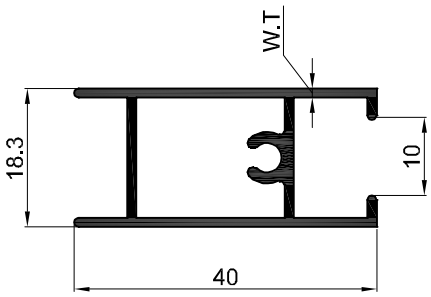


15002
(0.373 Kg/m)
W.T = 1.20 mm

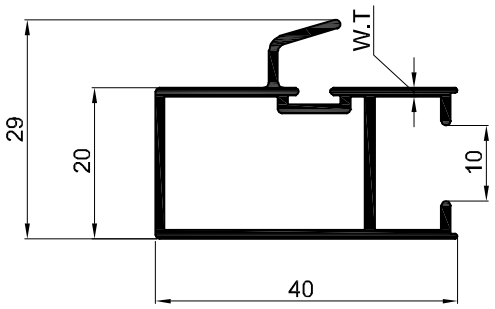


12002
(0.152 Kg/m)
W.T = 1.40 mm

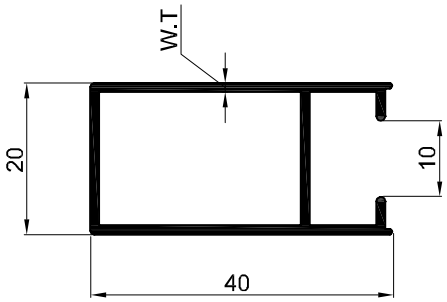
80 mm SLIDING WINDOWS



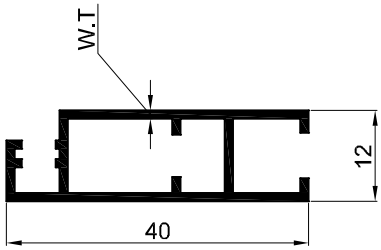
15003
(0.424 Kg/m)
W.T = 1.20 mm



15004
(0.465 Kg/m)
W.T = 1.20 mm

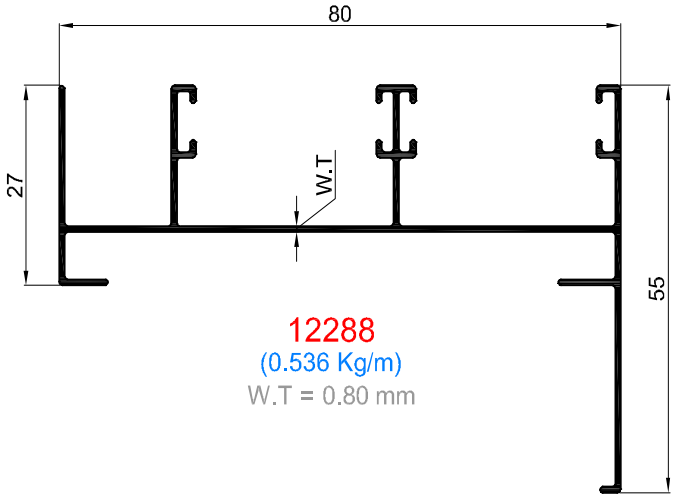


15005
(0.394 Kg/m)
W.T = 1.20 mm

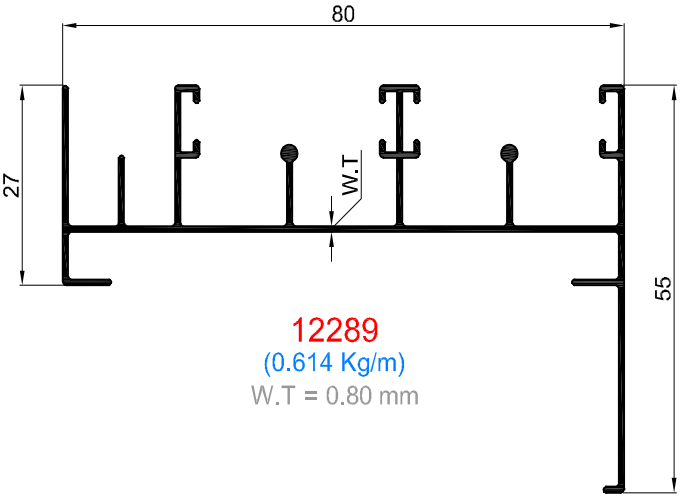


15006
(0.328 Kg/m)
W.T = 1.10 mm

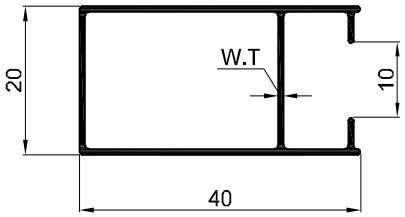
80 mm SLIDING WINDOWS



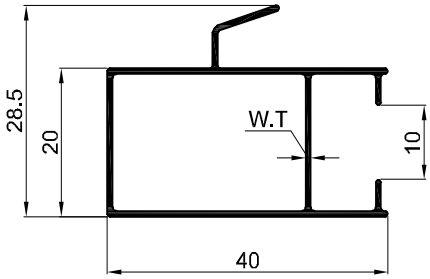
12288
(0.536 Kg/m)
W.T = 0.80 mm



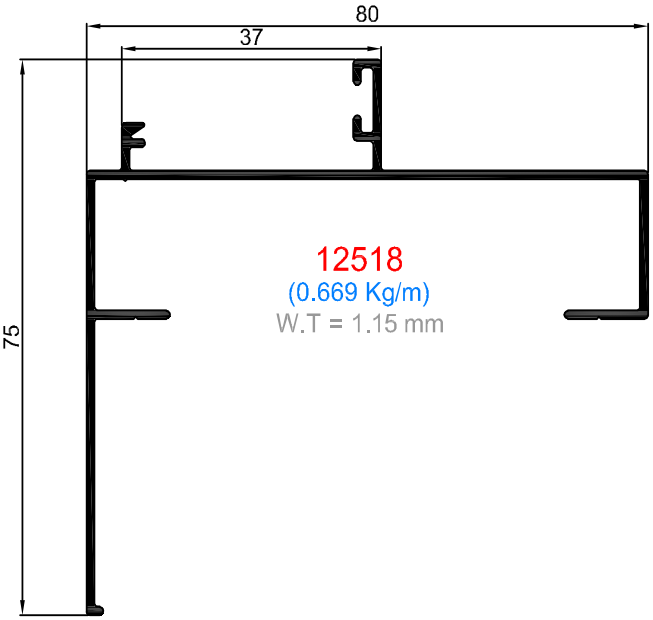
12289
(0.614 Kg/m)
W.T = 0.80 mm



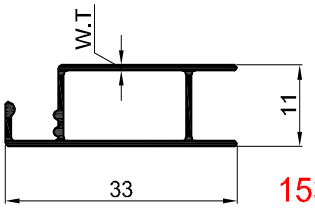
15375
(0.255 Kg/m)
W.T = 0.75 mm



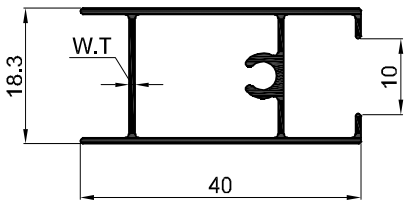
15376
(0.284 Kg/m)
W.T = 0.75 mm



12518
(0.669 Kg/m)
W.T = 1.15 mm



15378
(0.175 Kg/m)
W.T = 0.75 mm

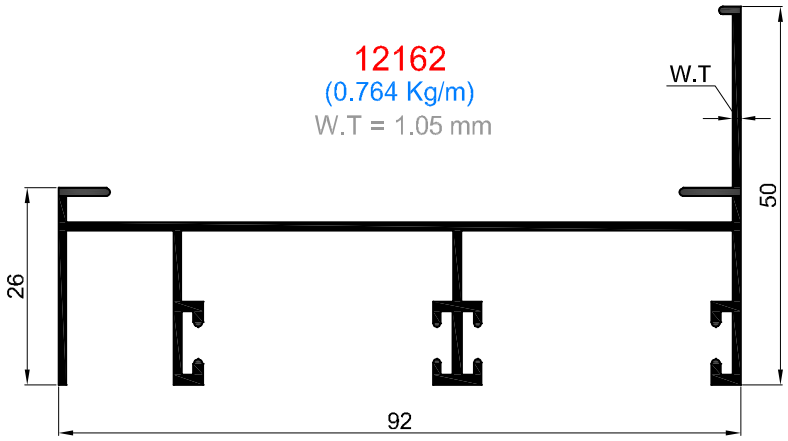


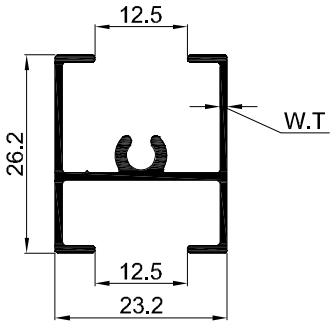
15377
(0.293 Kg/m)
W.T = 0.80 mm

92 mm SLIDING DOORS & WINDOWS

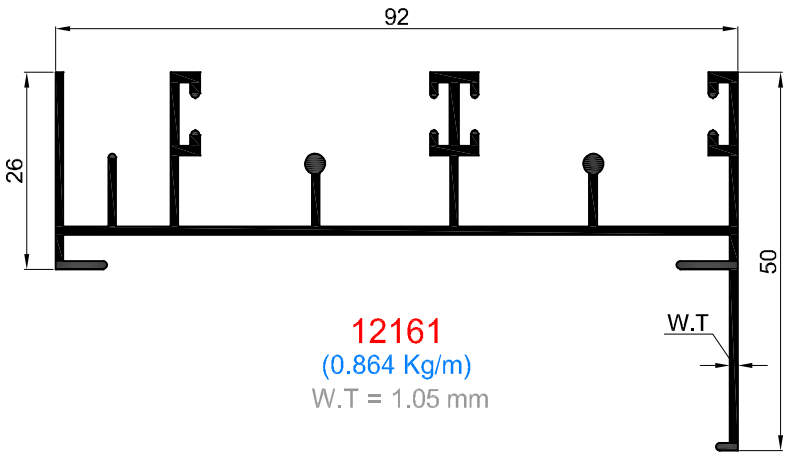
FLY SCREEN OUTSIDE

12162
(0.764 Kg/m)
W.T = 1.05 mm

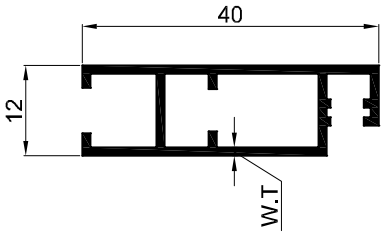




12434
(0.291 Kg/m)
W.T = 1.00 mm

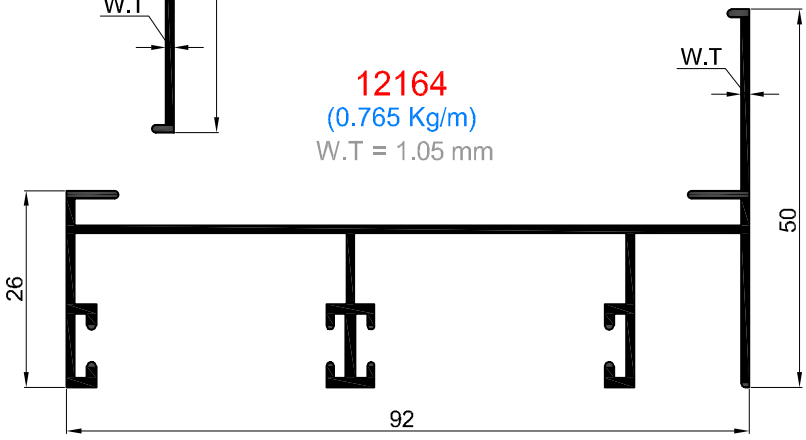


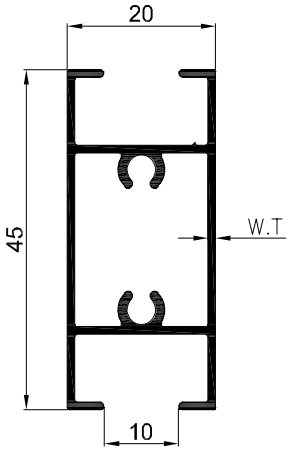
12161
(0.864 Kg/m)
W.T = 1.05 mm



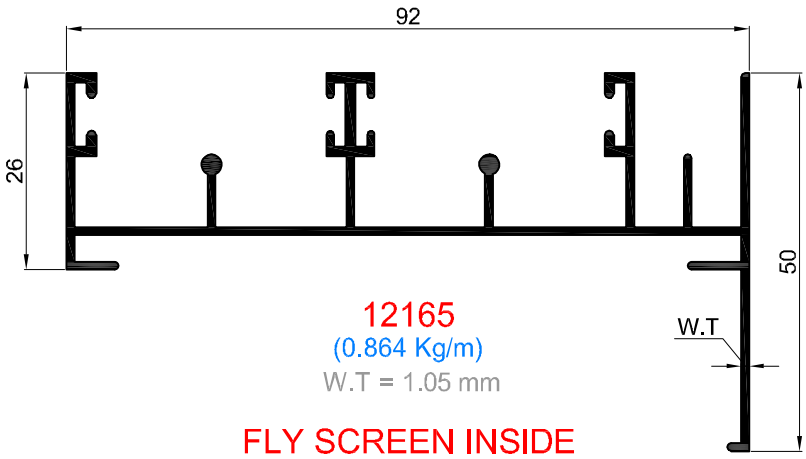
15006A
(0.290 Kg/m)
W.T = 0.95 mm

12164
(0.765 Kg/m)
W.T = 1.05 mm





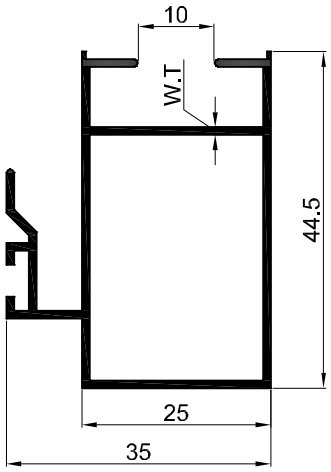
21652
(0.453 Kg/m)
W.T = 1.00 mm



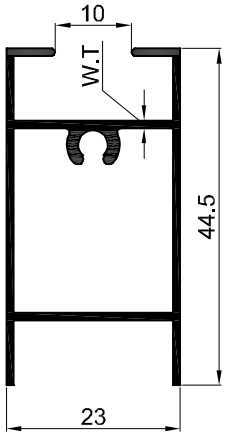
12165
(0.864 Kg/m)
W.T = 1.05 mm

FLY SCREEN INSIDE

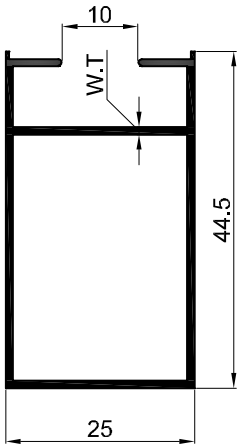
92 mm SLIDING DOORS & WINDOWS



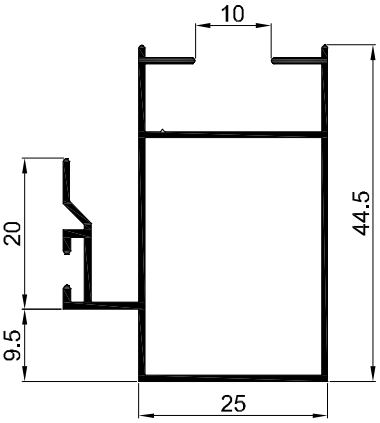
15213
(0.496 Kg/m)
W.T = 1.0 mm



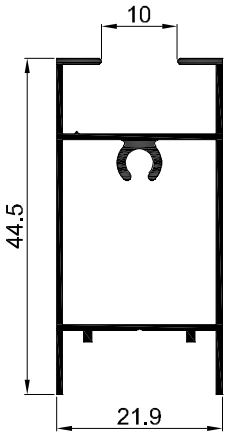
15214
(0.427 Kg/m)
W.T = 1.0 mm



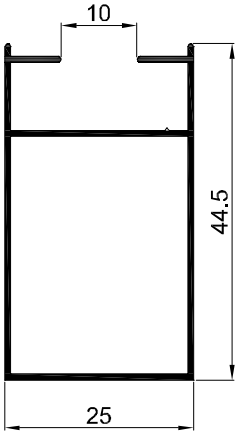
15215
(0.397 Kg/m)
W.T = 1.0 mm



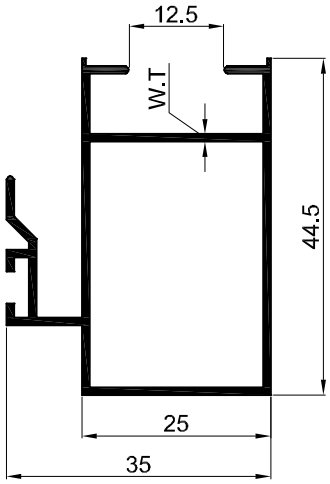
21098
(0.414 Kg/m)



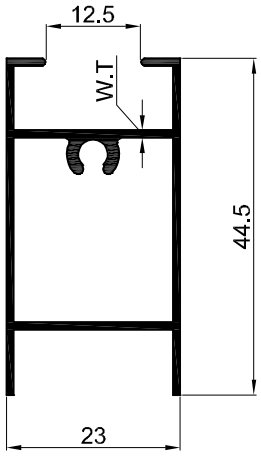
21099
(0.351 Kg/m)



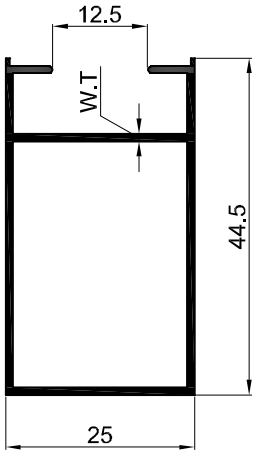
21097
(0.322 Kg/m)



15216
(0.489 Kg/m)
W.T = 1.0 mm



15217
(0.421Kg/m)
W.T = 1.0 mm

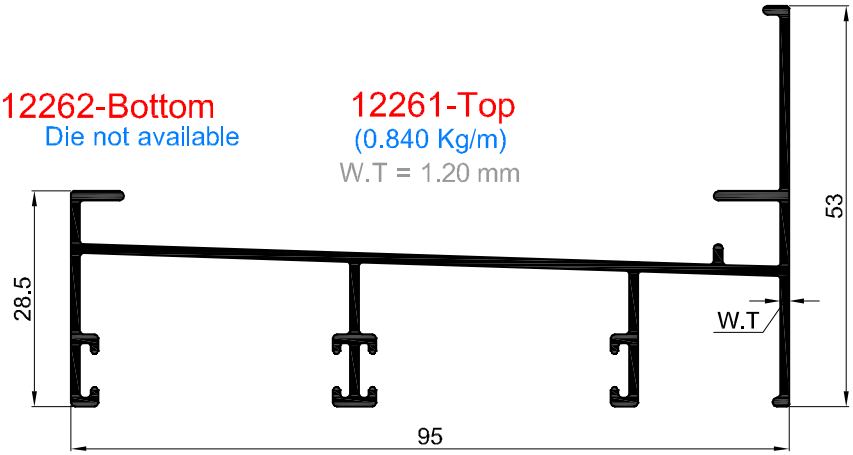


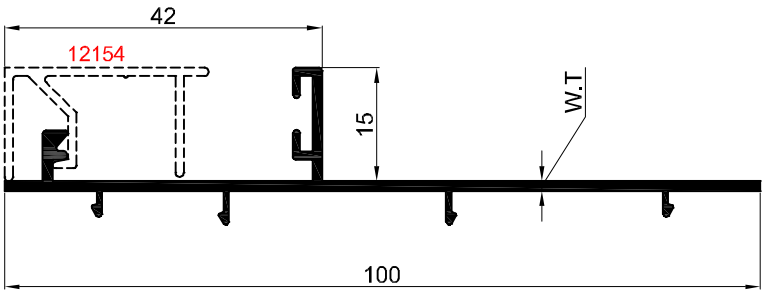
15218
(0.390 Kg/m)
W.T = 1.0 mm

95 mm SLIDING DOORS & WINDOWS

12262-Bottom
Die not available

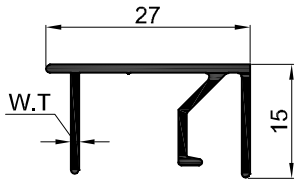
12261-Top
(0.840 Kg/m)
W.T = 1.20 mm



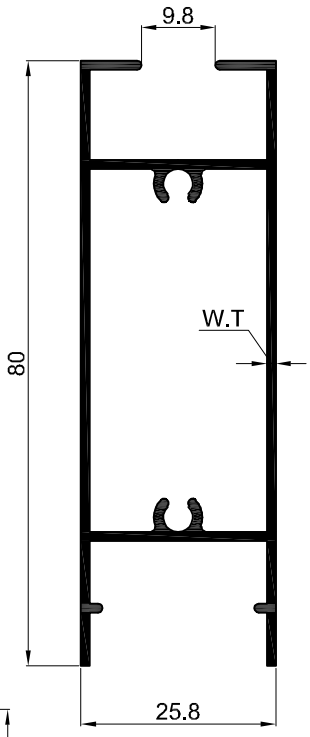


12011
(0.511 Kg/m)
W.T = 1.30 mm

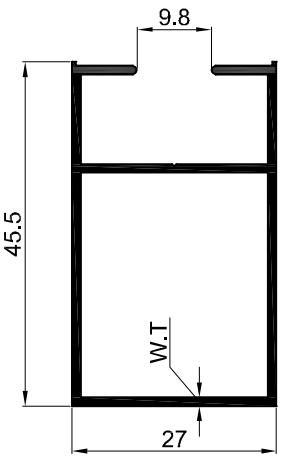
12020
(0.610 Kg/m)
W.T = 1.65 mm



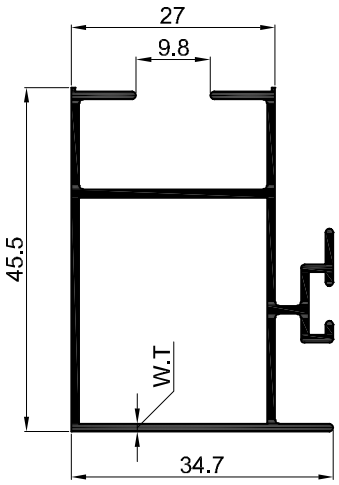
12154
(0.210 Kg/m)
W.T = 1.10 mm



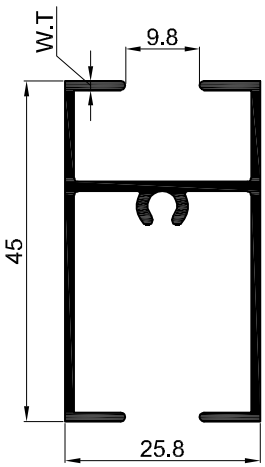
15007
(0.793 Kg/m)
W.T = 1.20 mm



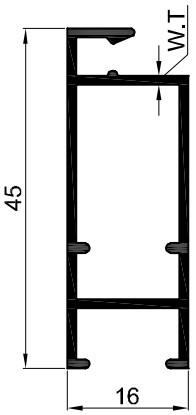
15009
(0.479 Kg/m)
W.T = 1.15 mm



15008
(0.563 Kg/m)
W.T = 1.10 mm

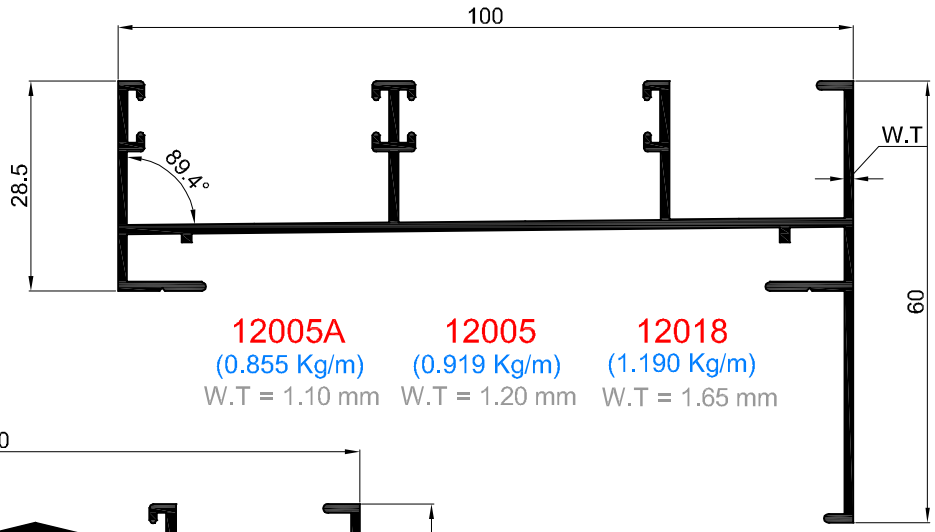


12293
(0.450 Kg/m)
W.T = 1.10 mm



15021A
(0.367 Kg/m)
W.T = 1.05 mm

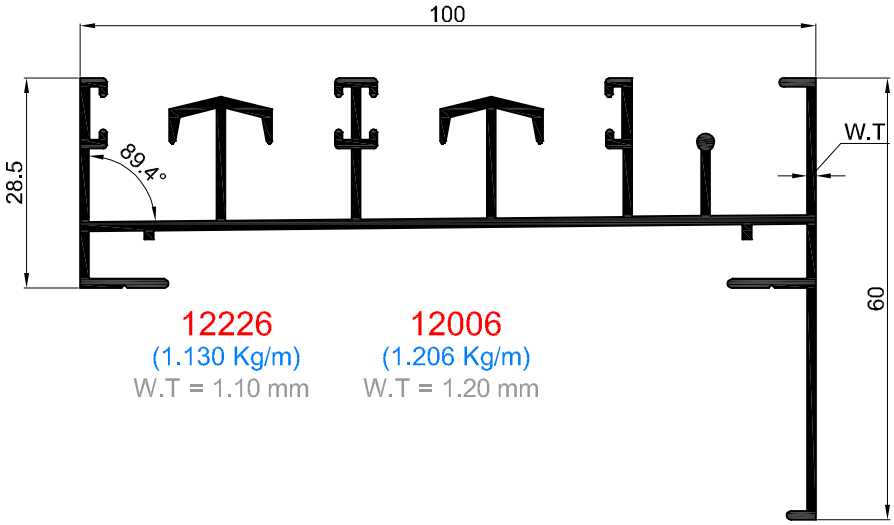
100 mm SLIDING DOORS & WINDOWS



12005A (0.855 Kg/m) W.T = 1.10 mm

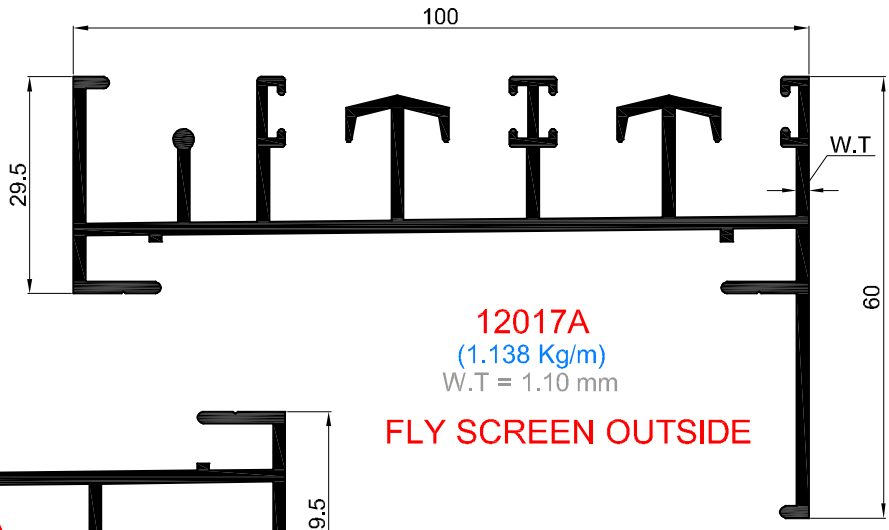
12005 (0.919 Kg/m) W.T = 1.20 mm

12018 (1.190 Kg/m) W.T = 1.65 mm



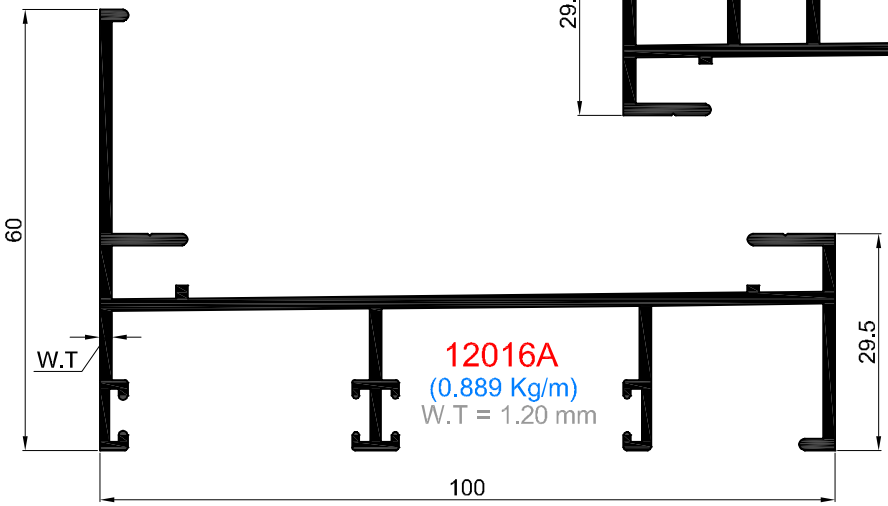
12226 (1.130 Kg/m) W.T = 1.10 mm

12006 (1.206 Kg/m) W.T = 1.20 mm



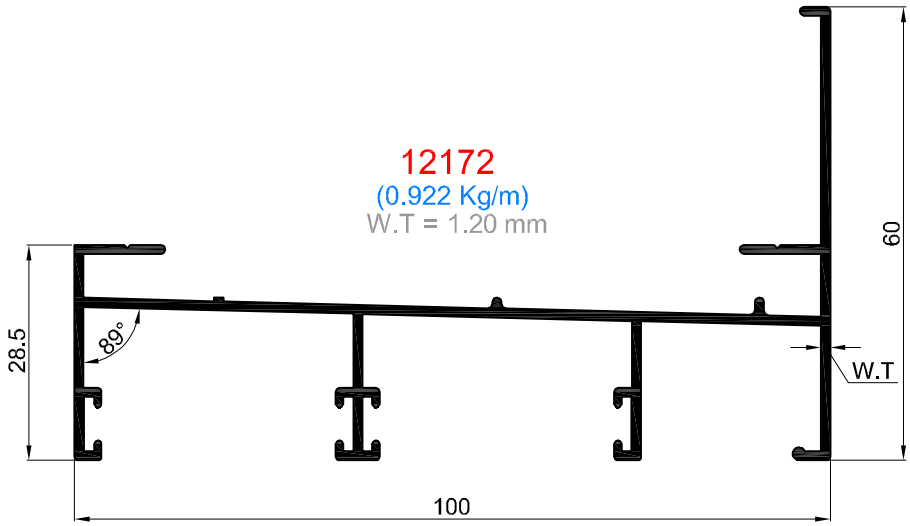
12017A (1.138 Kg/m) W.T = 1.10 mm

FLY SCREEN OUTSIDE

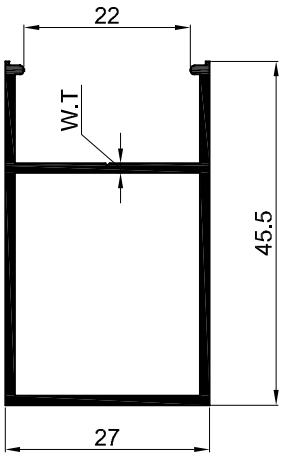


12016A (0.889 Kg/m) W.T = 1.20 mm

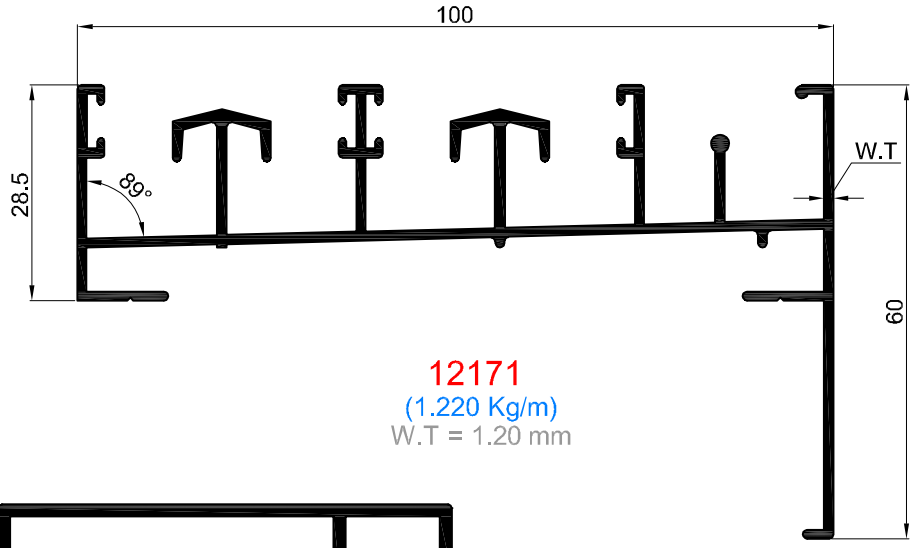
100 mm SLIDING DOORS & WINDOWS



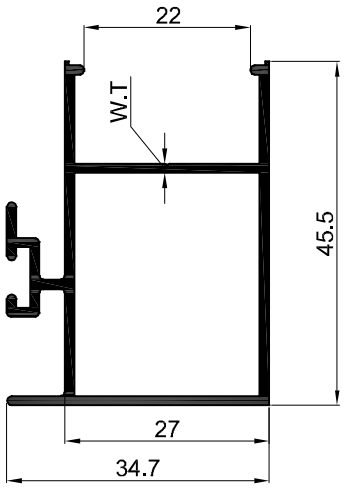
12172
(0.922 Kg/m)
W.T = 1.20 mm



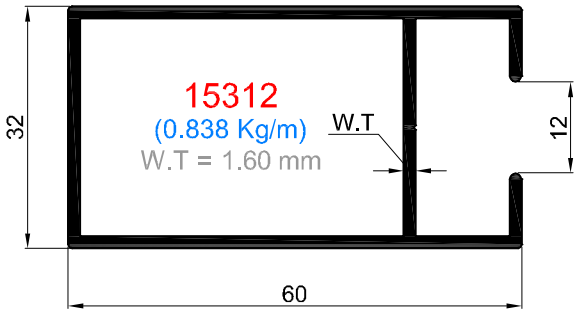
15018
(0.478 Kg/m)
W.T = 1.25 mm



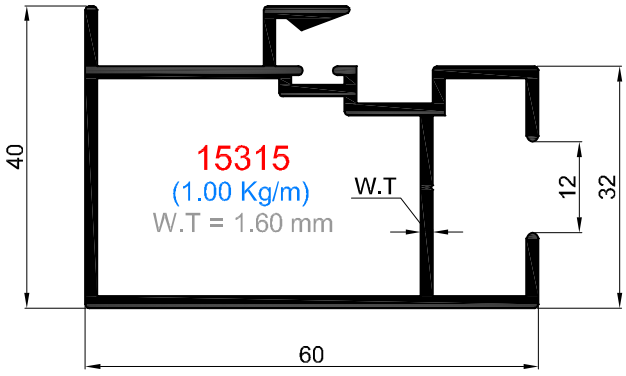
12171
(1.220 Kg/m)
W.T = 1.20 mm



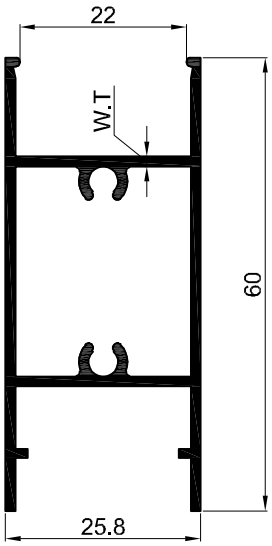
15017
(0.595 Kg/m)
W.T = 1.25 mm



15312
(0.838 Kg/m)
W.T = 1.60 mm

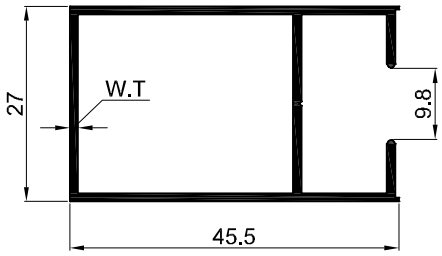


15315
(1.00 Kg/m)
W.T = 1.60 mm



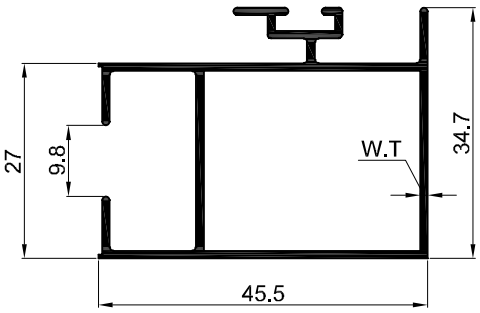
15016
(0.666 Kg/m)
W.T = 1.30 mm

100 mm SLIDING DOORS & WINDOWS



15009
(0.479 Kg/m)
W.T = 1.15 mm

15009A
(0.440 Kg/m)
W.T = 1.05 mm

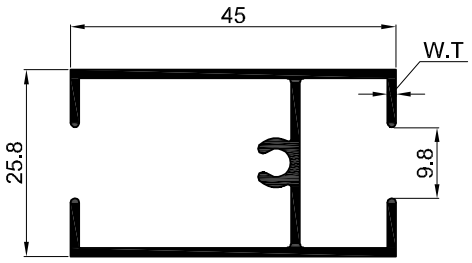


15008A
(0.543 Kg/m)
W.T = 1.05 mm

15396
(0.495 Kg/m)
W.T = 0.95 mm

15008
(0.563 Kg/m)
W.T = 1.10 mm

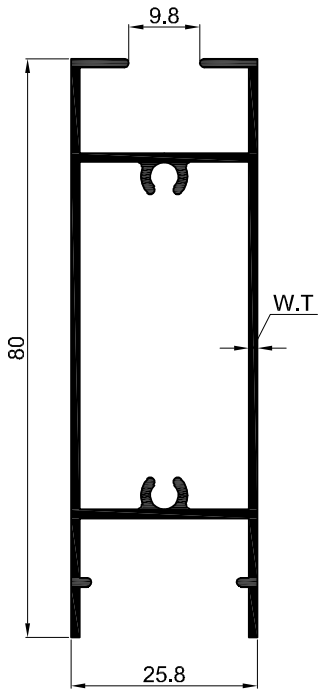
15014
(0.784 Kg/m)
W.T = 1.60 mm



12012
(0.492 Kg/m)
W.T = 1.20 mm

12293
(0.450 Kg/m)
W.T = 1.10 mm

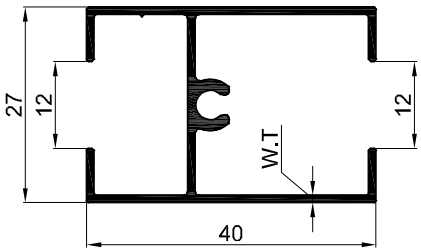
12021
(0.657 Kg/m)
W.T = 1.65 mm



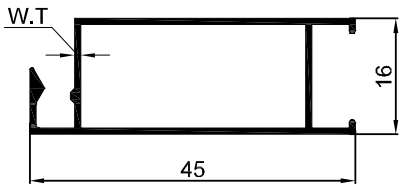
15007
(0.793 Kg/m)
W.T = 1.20 mm

15007A
(0.736 Kg/m)
W.T = 1.10 mm

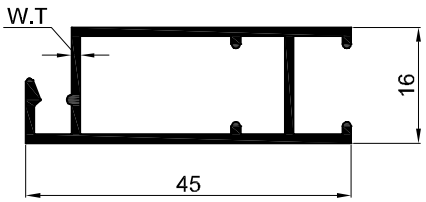
15395
(0.609 Kg/m)
W.T = 0.90 mm



12144
(0.397 Kg/m)
W.T = 1.00 mm



15406
(0.292 Kg/m)
W.T = 0.85 mm



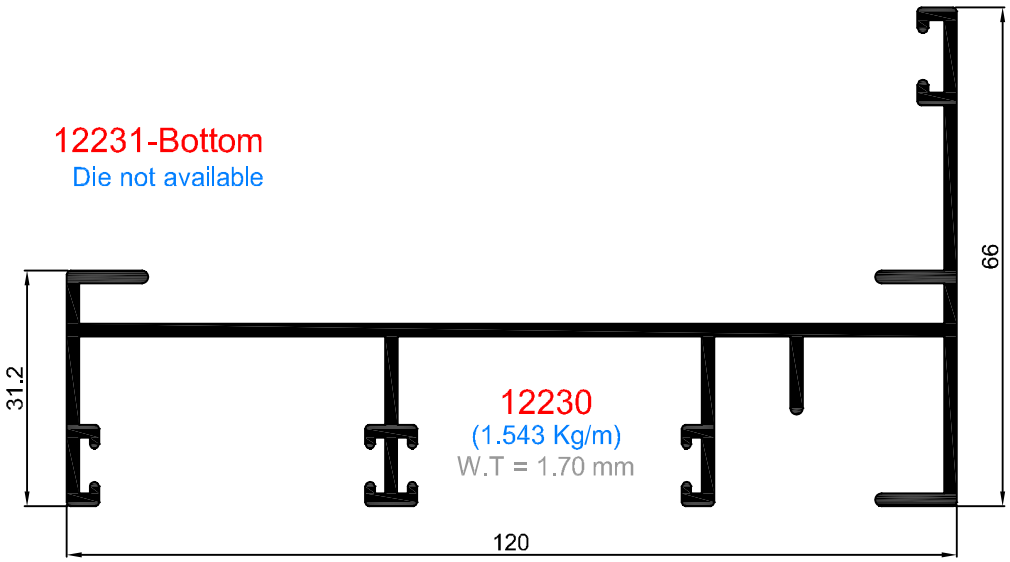
15021A
(0.367 Kg/m)
W.T = 1.05 mm

15021
(0.412 Kg/m)
W.T = 1.20 mm

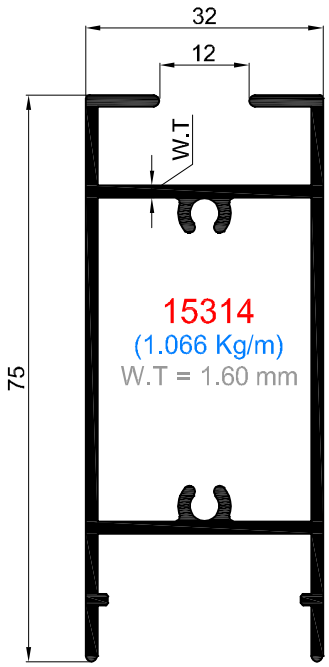
15023
(0.541 Kg/m)
W.T = 1.65 mm

120 mm SLIDING DOORS & WINDOWS

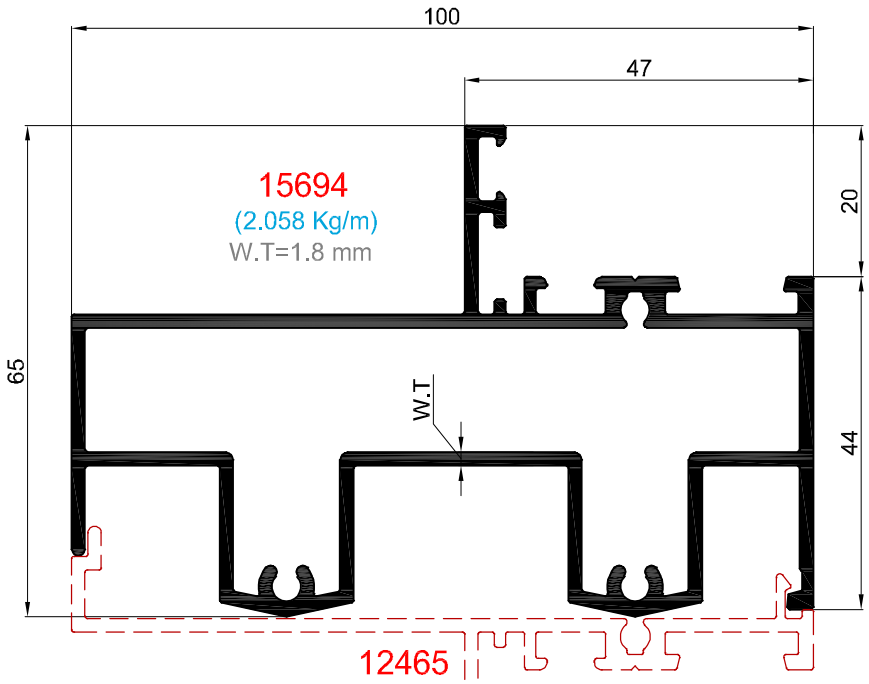
12231-Bottom
Die not available



12230
(1.543 Kg/m)
W.T = 1.70 mm

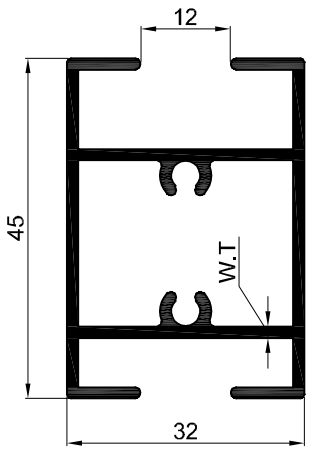


15314
(1.066 Kg/m)
W.T = 1.60 mm

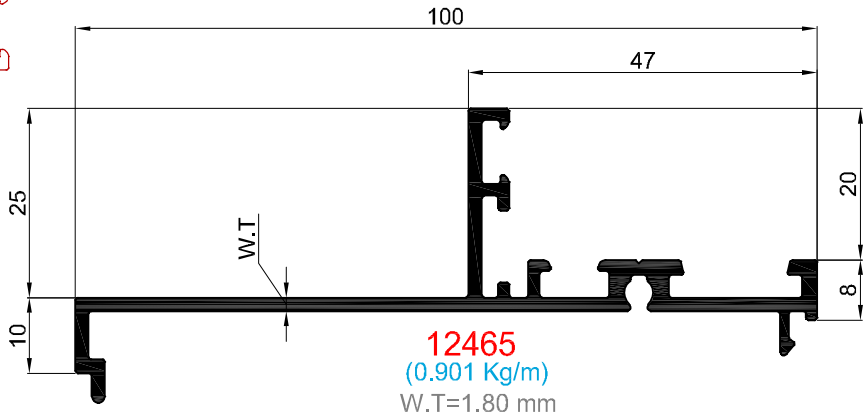


15694
(2.058 Kg/m)
W.T=1.8 mm

12465

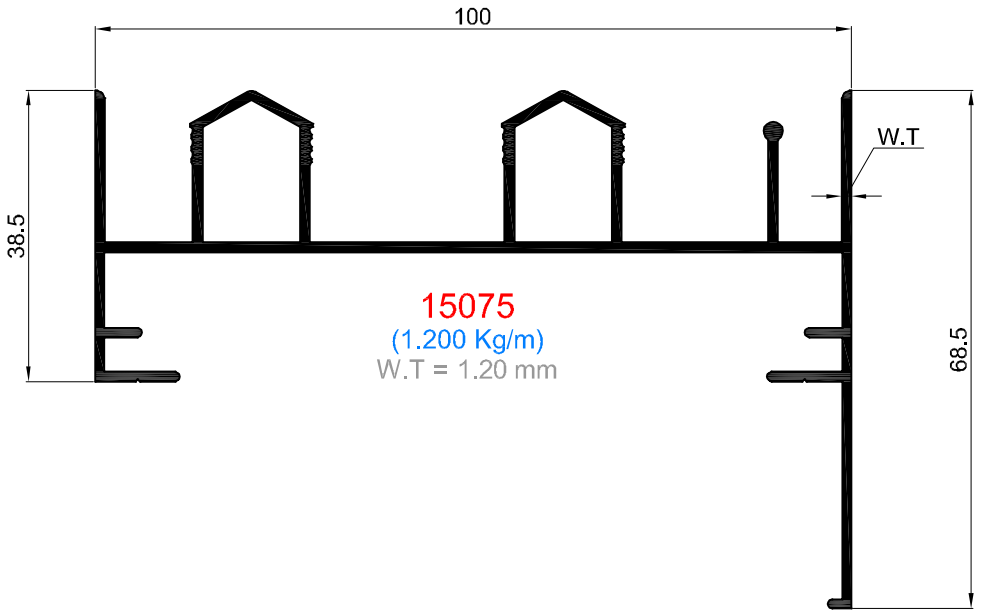


15313
(0.817 Kg/m)
W.T = 1.50 mm

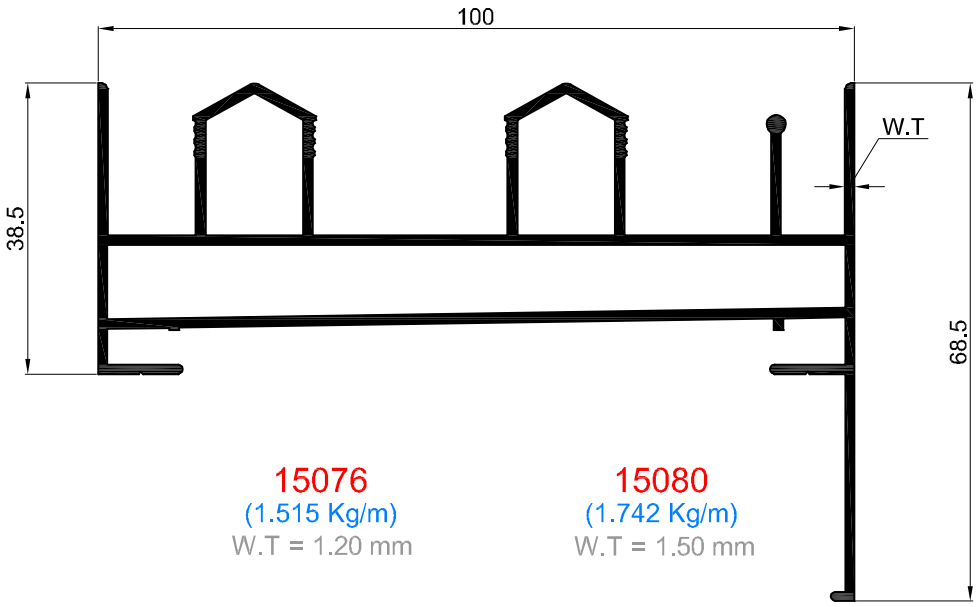


12465
(0.901 Kg/m)
W.T=1.80 mm

100 mm SLIDING DOORS & WINDOWS

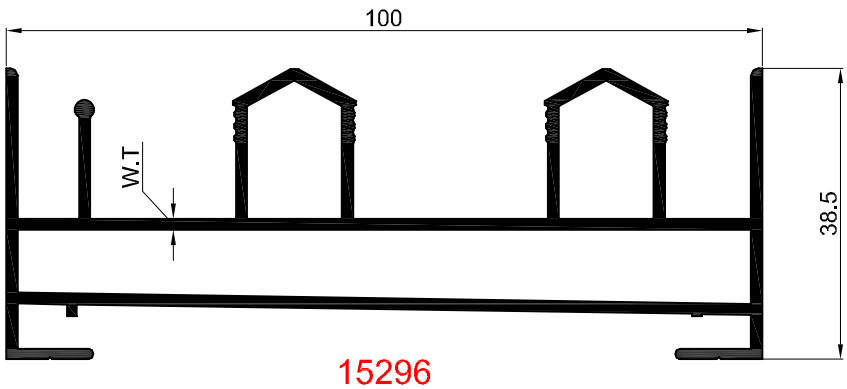


15075
(1.200 Kg/m)
W.T = 1.20 mm



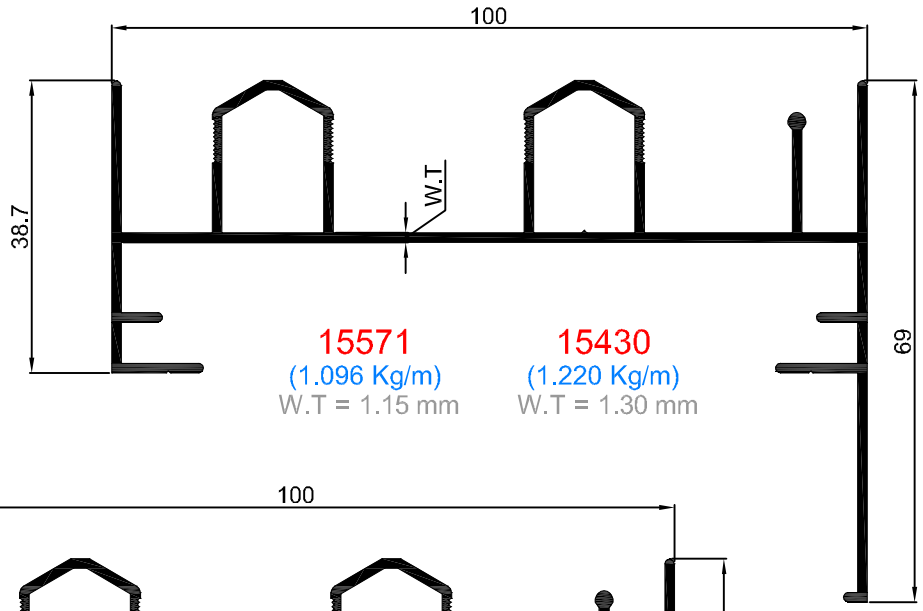
15076
(1.515 Kg/m)
W.T = 1.20 mm

15080
(1.742 Kg/m)
W.T = 1.50 mm



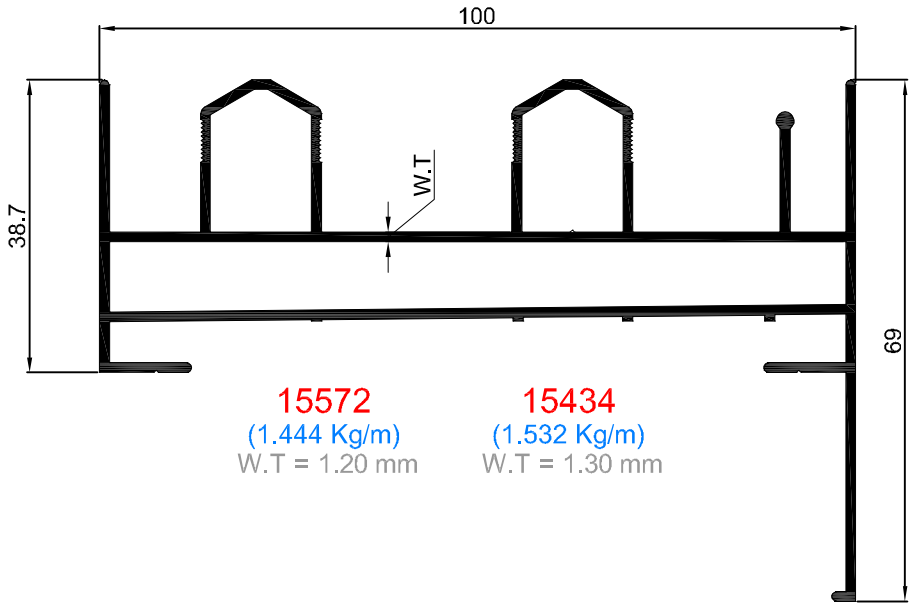
15296
(1.614 Kg/m)
W.T = 1.50 mm

100 mm SLIDING DOORS & WINDOWS



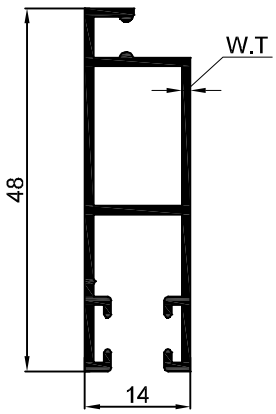
15571
(1.096 Kg/m)
W.T = 1.15 mm

15430
(1.220 Kg/m)
W.T = 1.30 mm

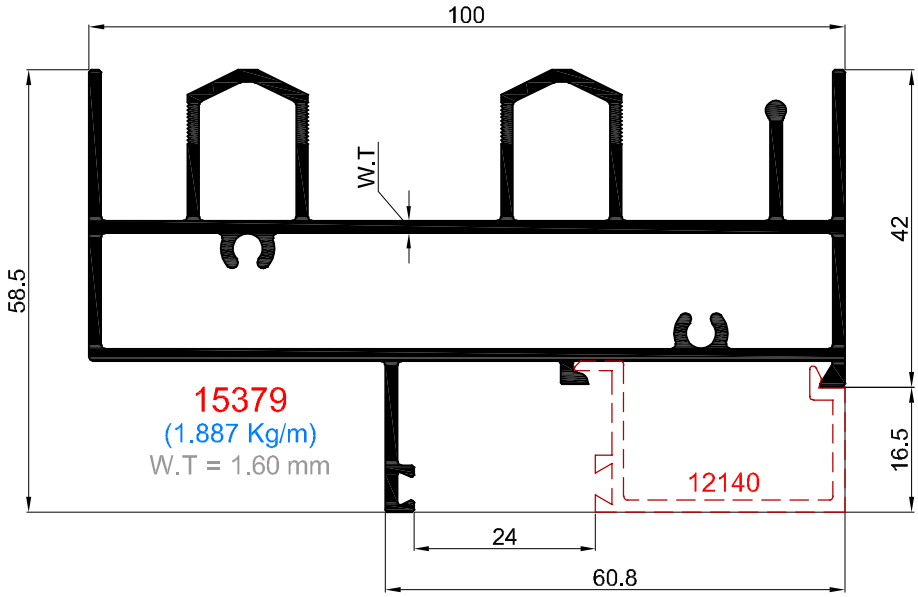


15572
(1.444 Kg/m)
W.T = 1.20 mm

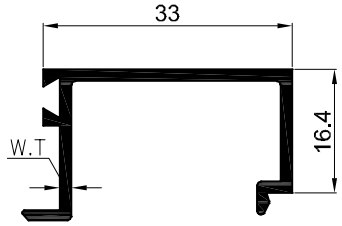
15434
(1.532 Kg/m)
W.T = 1.30 mm



15573
(0.420 Kg/m)
W.T = 1.15 mm

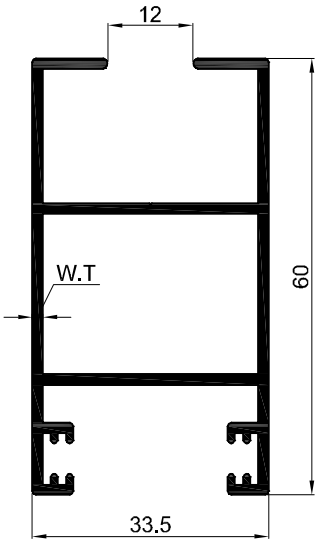


15379
(1.887 Kg/m)
W.T = 1.60 mm



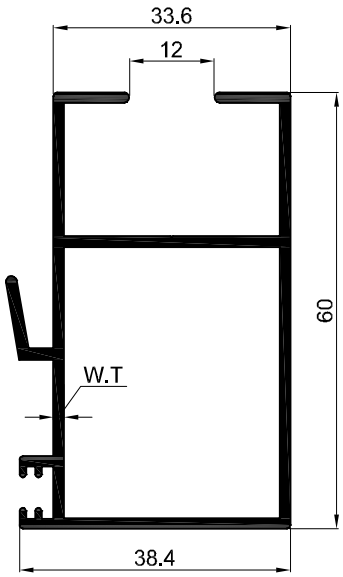
12140
(0.331 Kg/m)
W.T = 1.60 mm

100 mm SLIDING DOORS & WINDOWS



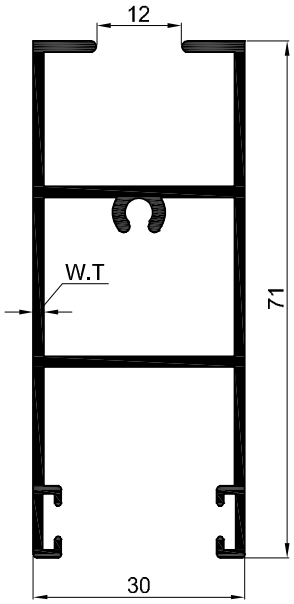
15083
(0.902 Kg/m)
W.T = 1.50 mm

15083A
(0.772 Kg/m)
W.T = 1.25 mm



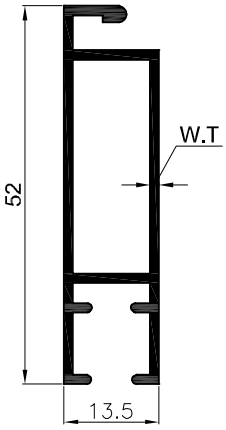
15082
(0.924 Kg/m)
W.T = 1.50 mm

15082A
(0.779 Kg/m)
W.T = 1.25 mm

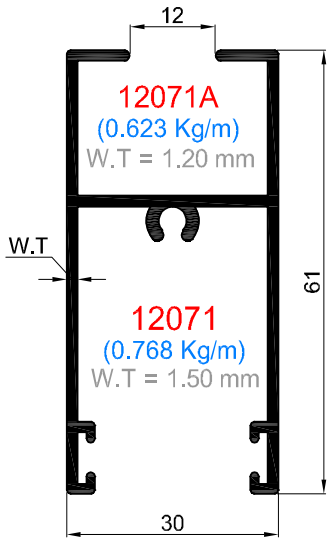


15081
(0.942 Kg/m)
W.T = 1.50 mm

15081A
(0.801 Kg/m)
W.T = 1.25 mm

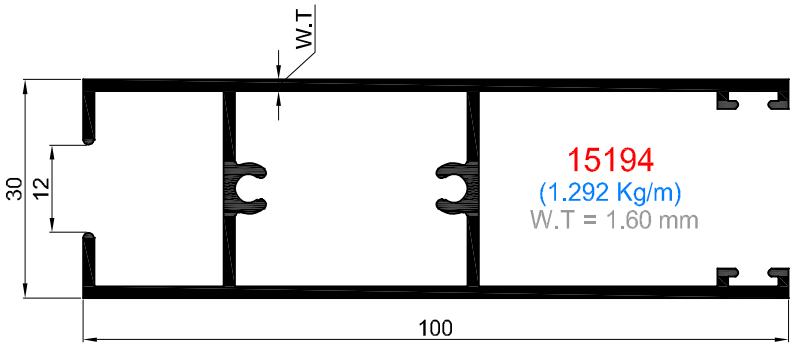


15073
(0.491 Kg/m)
W.T = 1.30 mm

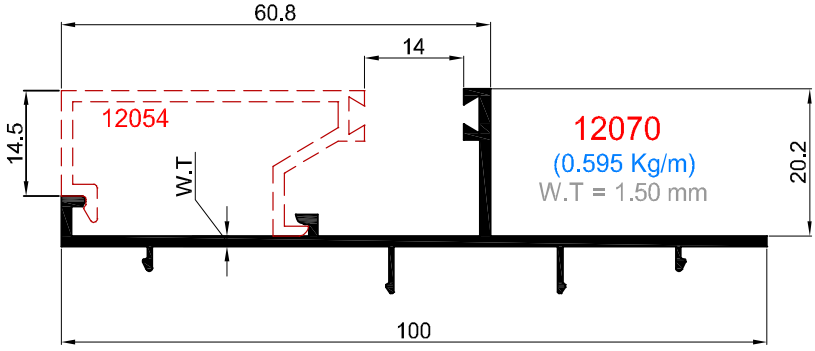


12071A
(0.623 Kg/m)
W.T = 1.20 mm

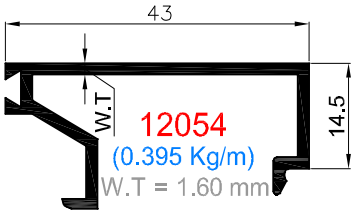
12071
(0.768 Kg/m)
W.T = 1.50 mm



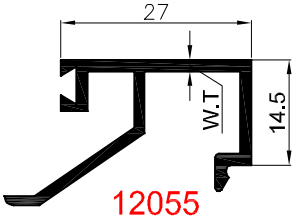
15194
(1.292 Kg/m)
W.T = 1.60 mm



12070
(0.595 Kg/m)
W.T = 1.50 mm

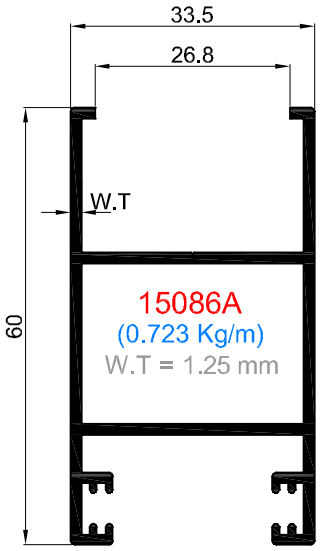


12054
(0.395 Kg/m)
W.T = 1.60 mm

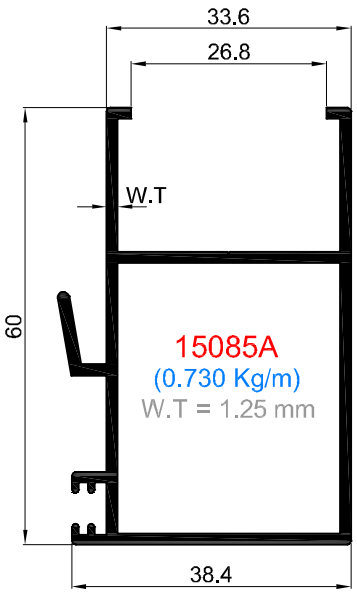


12055
(0.353 Kg/m)
W.T = 1.60 mm

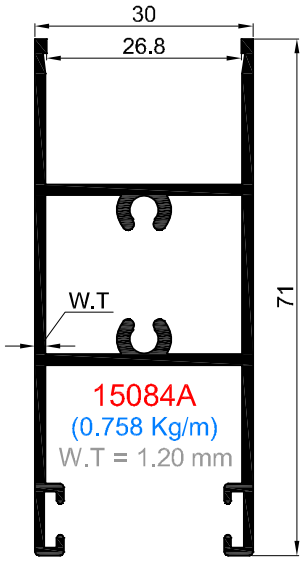
100 mm SLIDING DOORS & WINDOWS



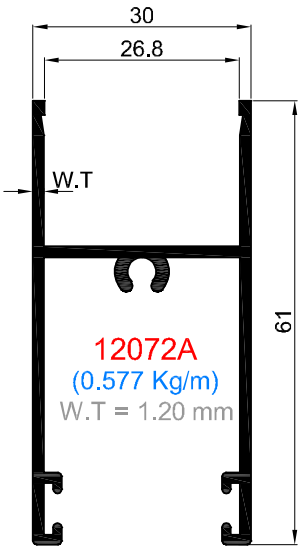
15086
(0.843 Kg/m)
W.T = 1.50 mm



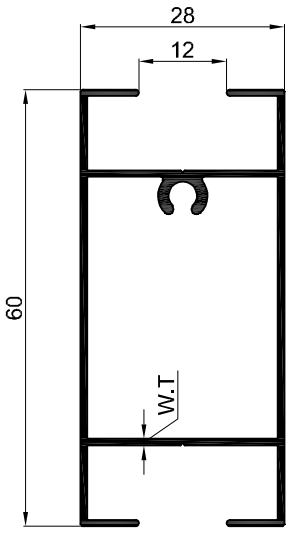
15085
(0.865 Kg/m)
W.T = 1.50 mm



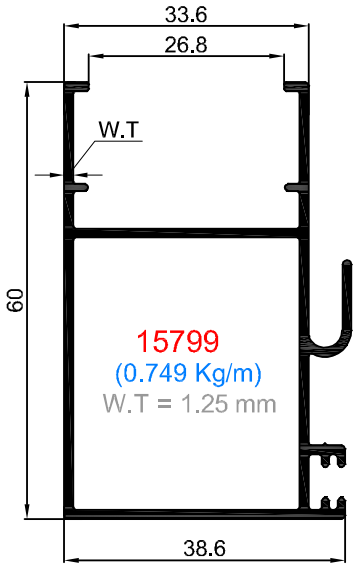
15084
(0.931 Kg/m)
W.T = 1.50 mm

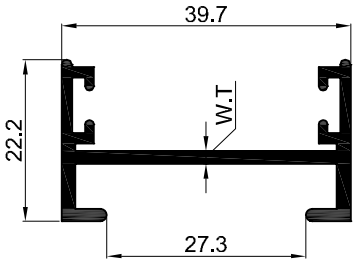


12072
(0.707 Kg/m)
W.T = 1.50 mm



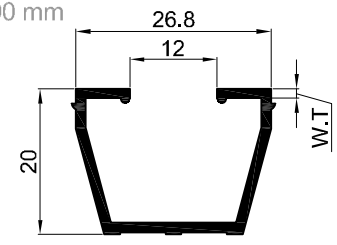
15238
(0.533 Kg/m)
W.T = 0.90 mm



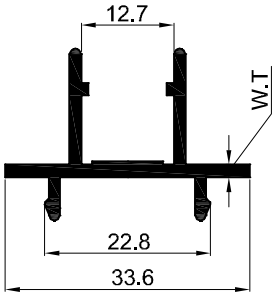


12503
(0.362 Kg/m)
W.T = 1.20 mm

12022
(0.475 Kg/m)
W.T = 1.80 mm

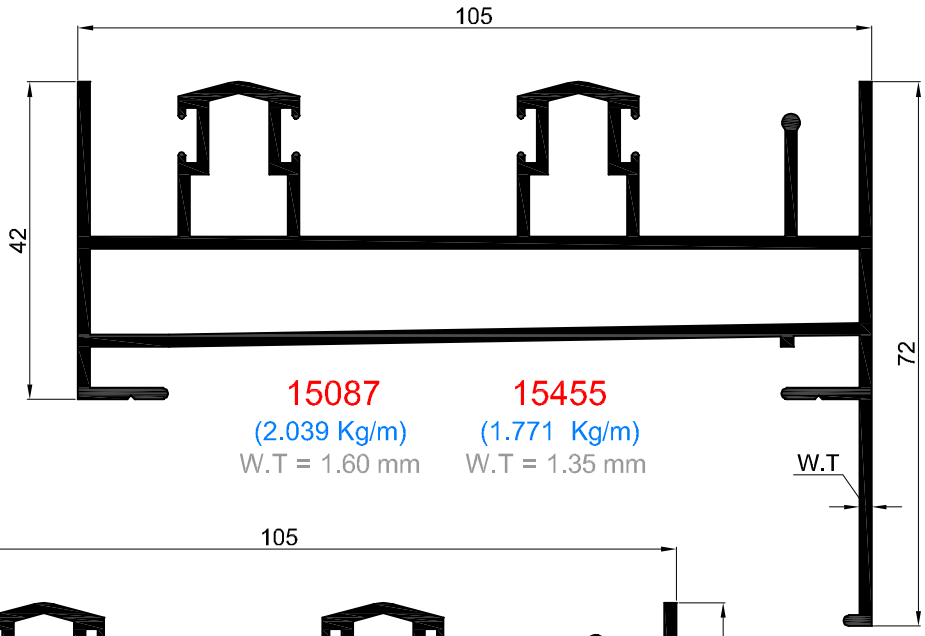


12117
(0.254 Kg/m)
W.T = 1.30 mm



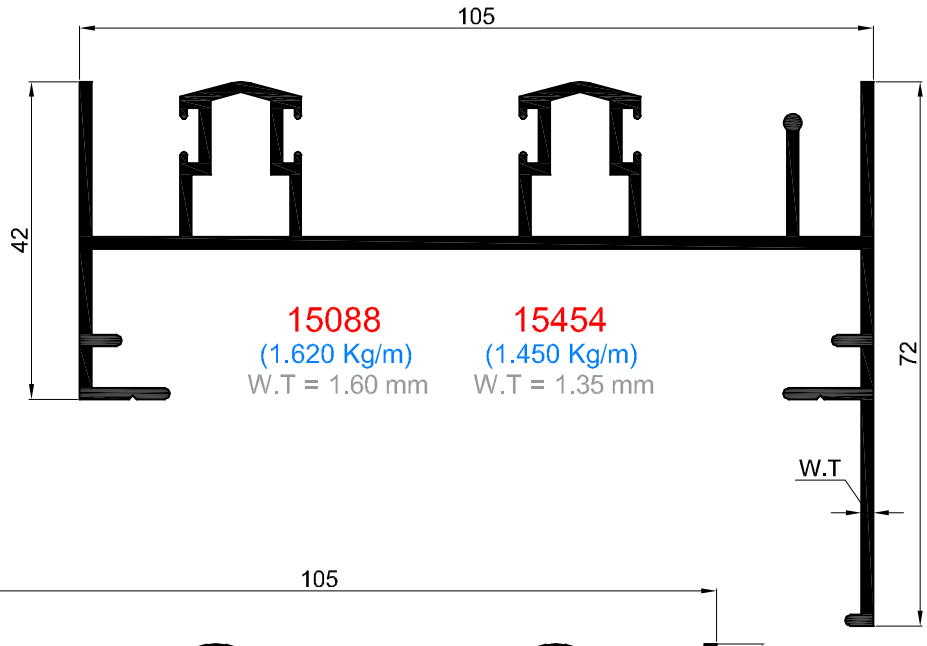
12056
(0.375 Kg/m)
W.T = 1.80 mm

105 mm SLIDING DOORS & WINDOWS



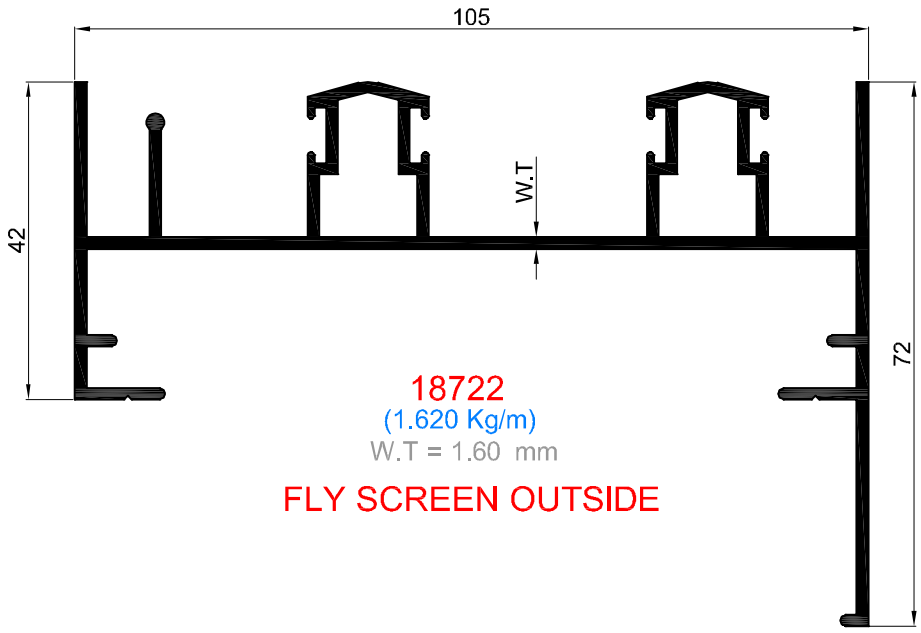
15087
(2.039 Kg/m)
W.T = 1.60 mm

15455
(1.771 Kg/m)
W.T = 1.35 mm



15088
(1.620 Kg/m)
W.T = 1.60 mm

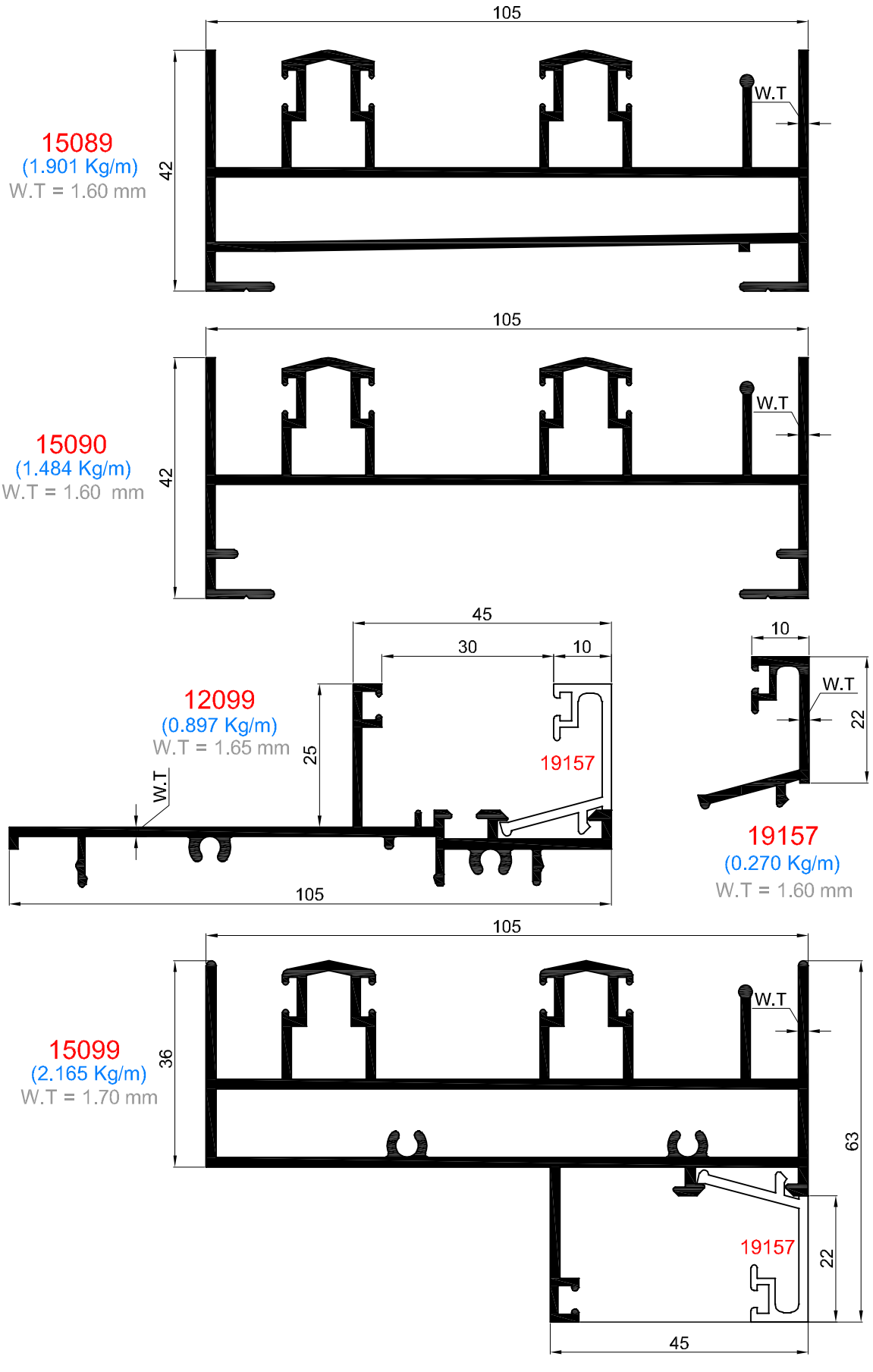
15454
(1.450 Kg/m)
W.T = 1.35 mm



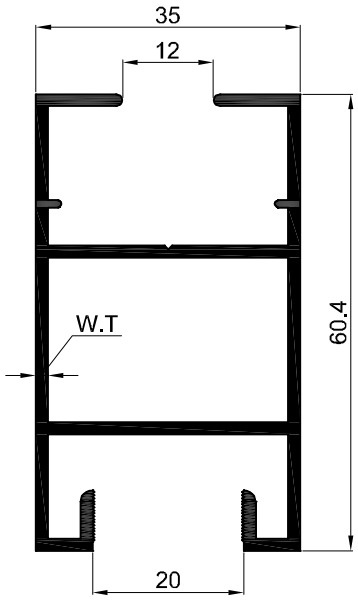
18722
(1.620 Kg/m)
W.T = 1.60 mm

FLY SCREEN OUTSIDE

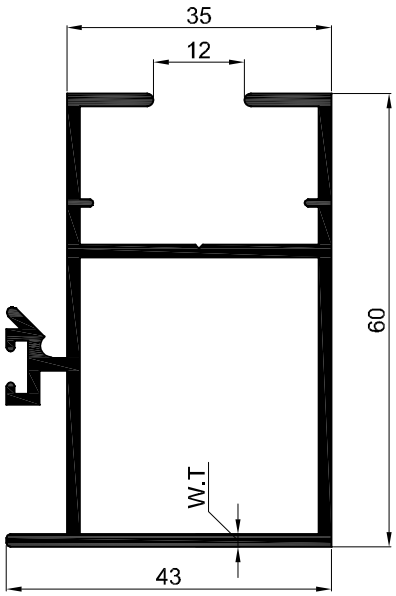
105 mm SLIDING DOORS & WINDOWS



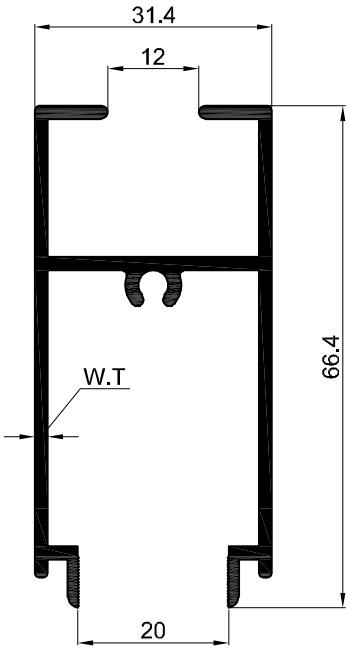
105 mm SLIDING DOORS & WINDOWS



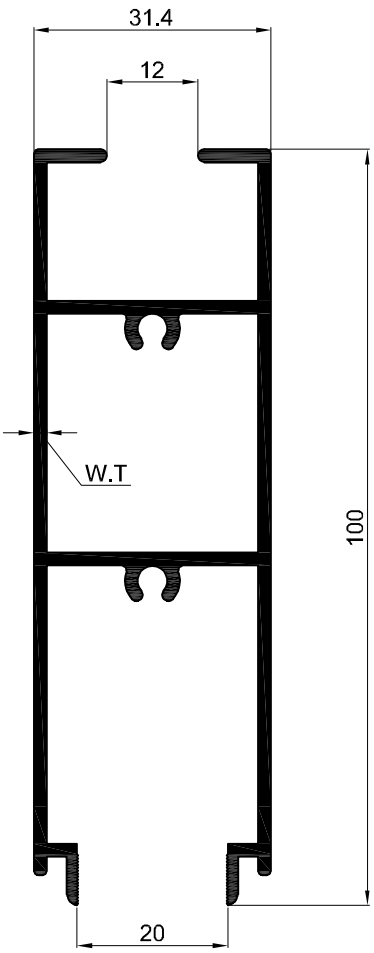
15173
(0.997 Kg/m)
W.T = 1.60 mm



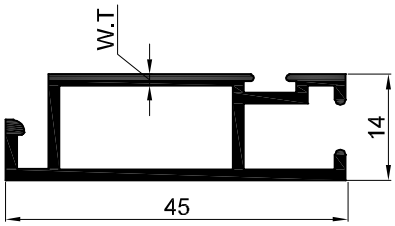
15103
(1.081 Kg/m)
W.T = 1.70 mm



12075
(0.928 Kg/m)
W.T = 1.75 mm

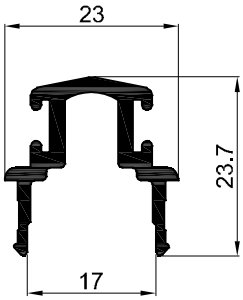


15104
(1.389 Kg/m)
W.T = 1.70 mm



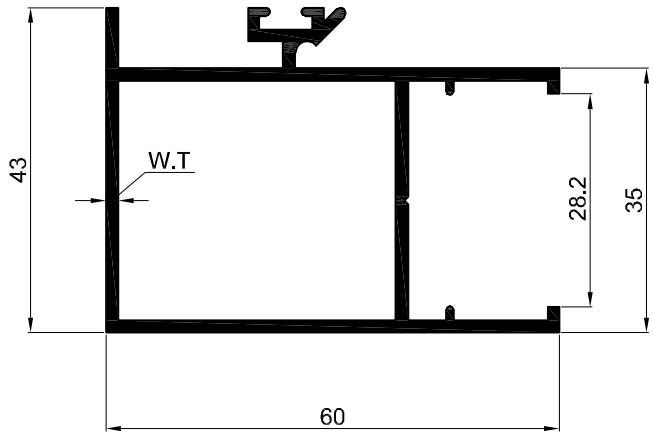
15019
(0.484 Kg/m)
W.T = 1.45 mm

15459
(0.400 Kg/m)
W.T = 1.20 mm



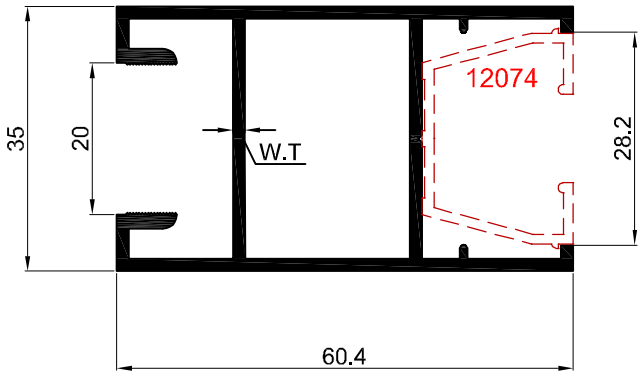
12256
(0.357 Kg/m)

105 mm SLIDING DOORS & WINDOWS



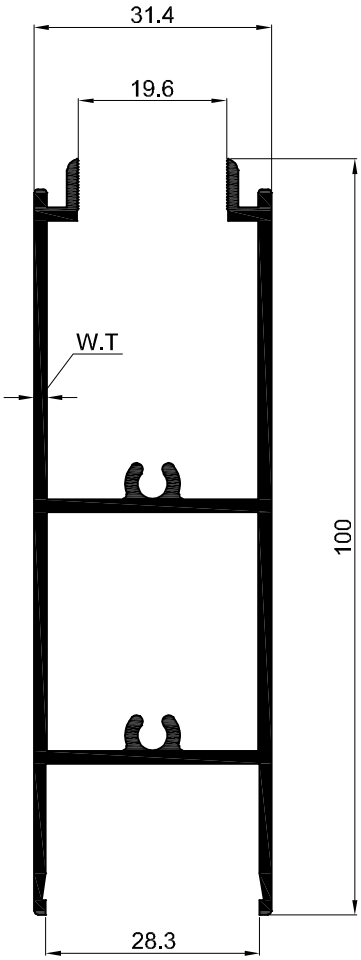
15102 (0.981 Kg/m) W.T = 1.65 mm

15458 (0.774 Kg/m) W.T = 1.20 mm



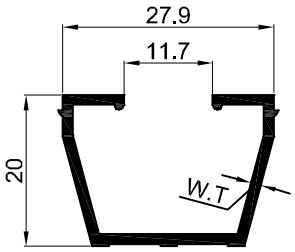
15101 (0.938 Kg/m) W.T = 1.60 mm

15456 (0.740 Kg/m) W.T = 1.20 mm

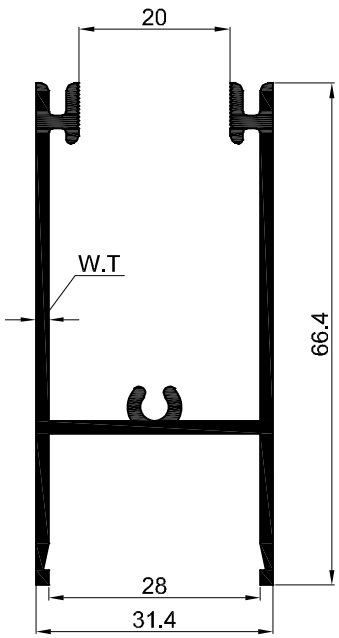


15100 (1.295 Kg/m) W.T = 1.70 mm

15457 (0.973 Kg/m) W.T = 1.20 mm

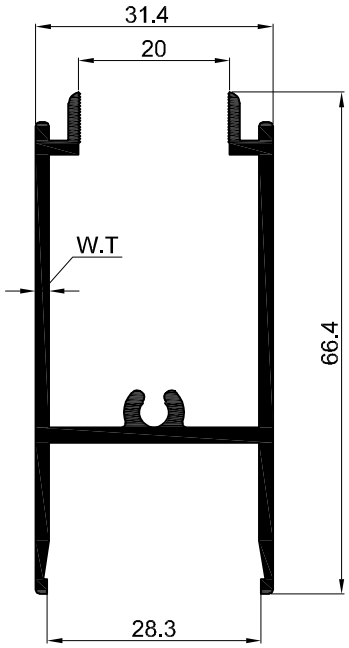


12074 (0.264 Kg/m) W.T = 1.30 mm



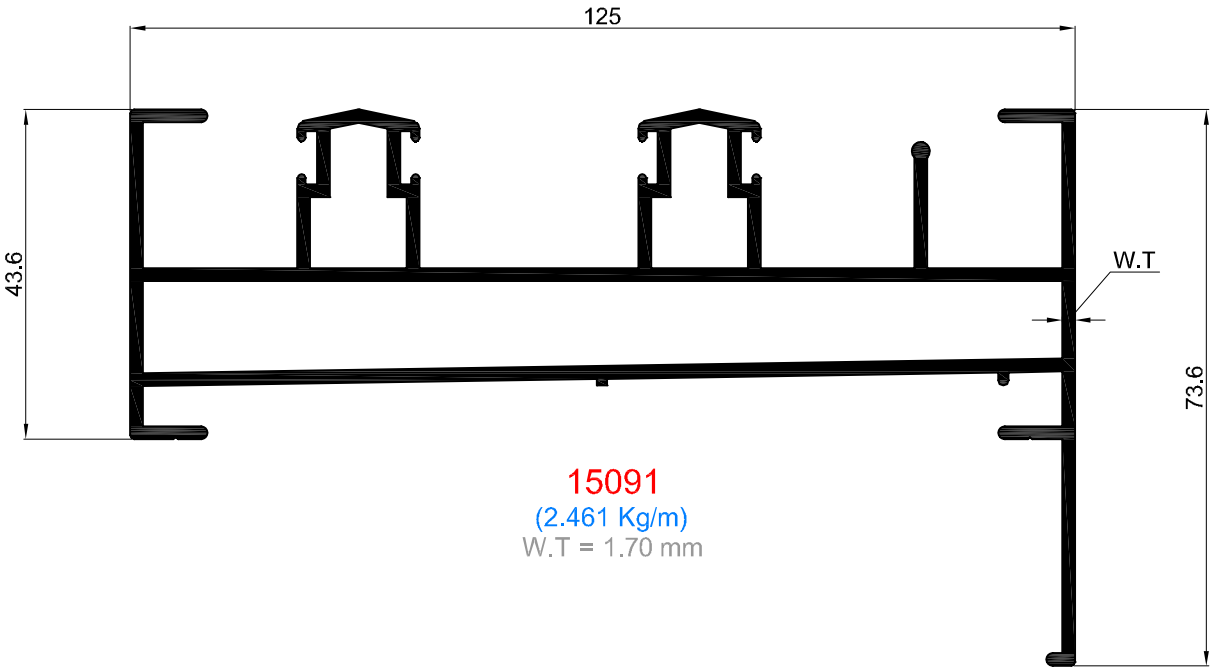
12247 (0.864 Kg/m) W.T = 1.70 mm

12338 (0.617 Kg/m) W.T = 1.20 mm

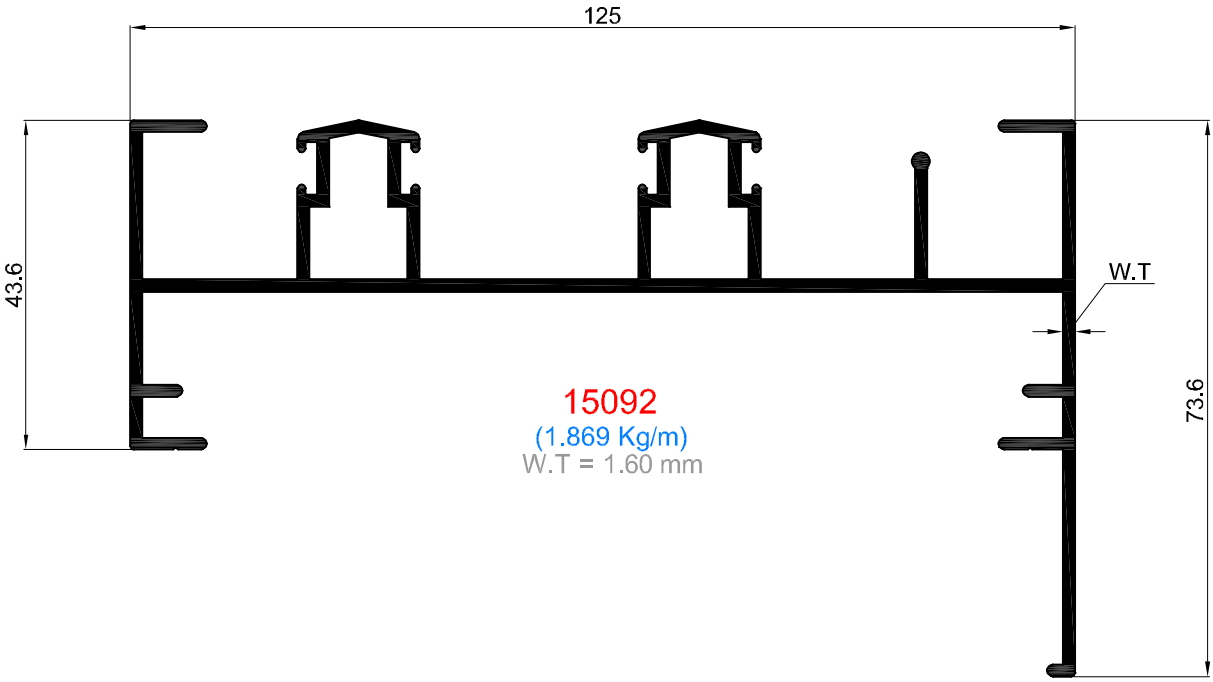


12073 (0.885 Kg/m) W.T = 1.80 mm

125 mm SLIDING DOORS & WINDOWS

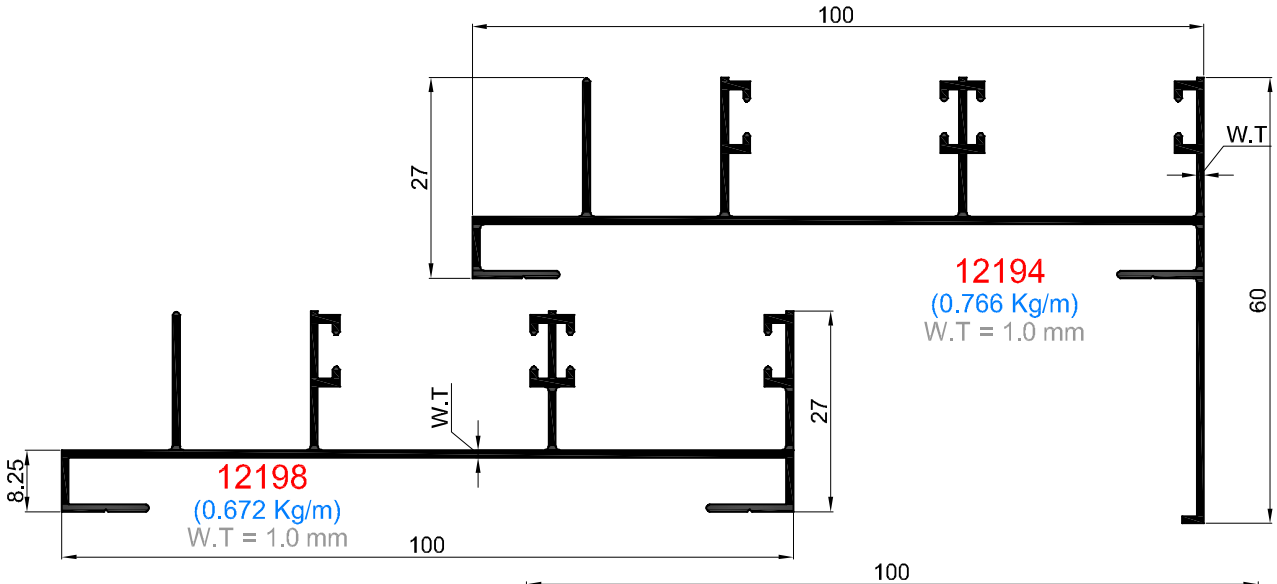


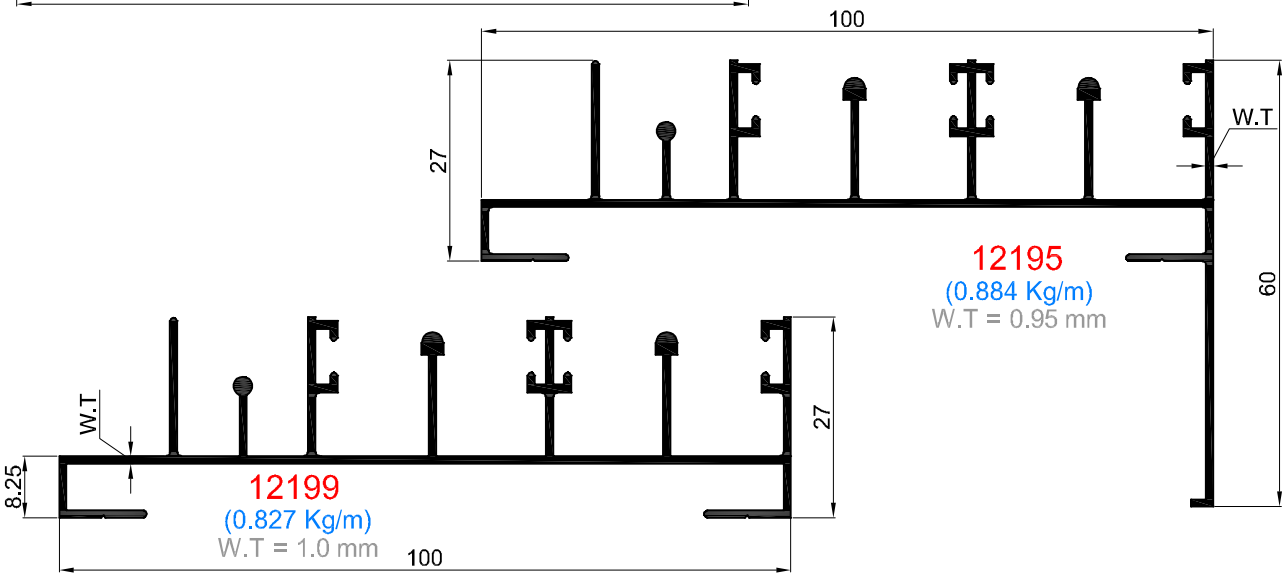
15091
(2.461 Kg/m)
W.T = 1.70 mm

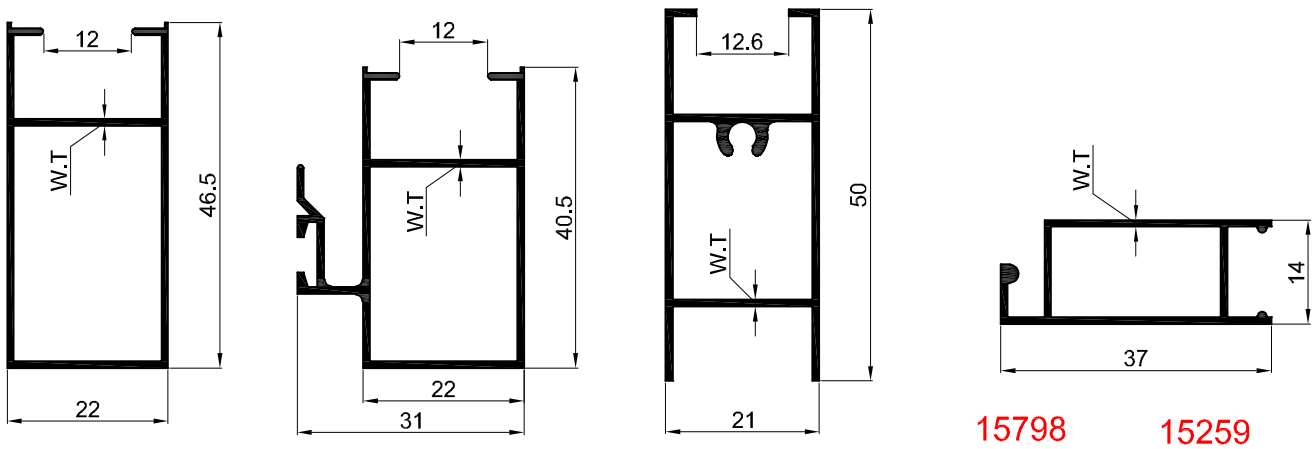


15092
(1.869 Kg/m)
W.T = 1.60 mm

100 mm SLIDING DOORS & WINDOWS "KSA"







15245
(0.342 Kg/m)
W.T = 0.90 mm

15319
(0.378 Kg/m)
W.T =1.0 mm

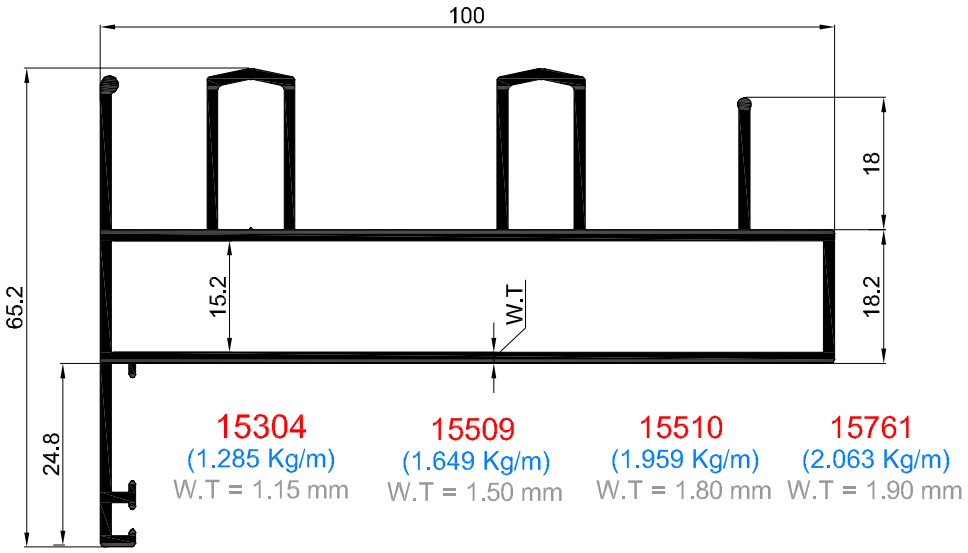
15248
(0.397 Kg/m)
W.T = 0.90 mm

15265
(0.414 Kg/m)
W.T = 0.95 mm

15798
(0.230 Kg/m)

15259
(0.255 Kg/m)
W.T = 0.90 mm

SLIDING DOORS & WINDOWS "KSA"

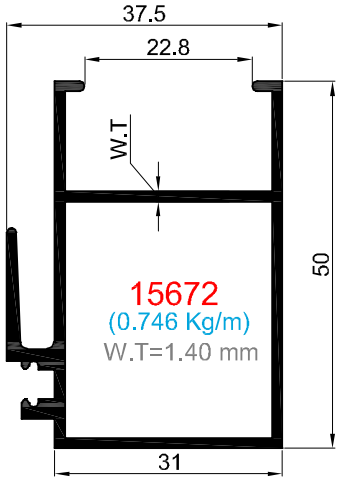


15304
(1.285 Kg/m)
W.T = 1.15 mm

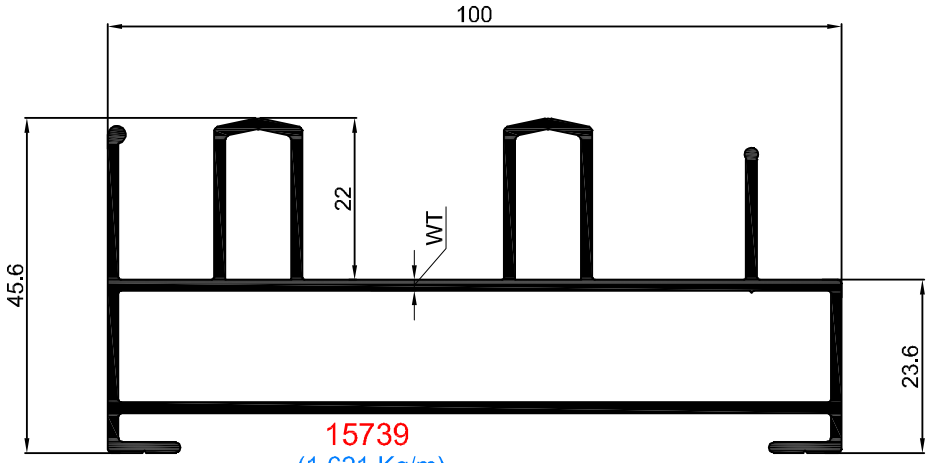
15509
(1.649 Kg/m)
W.T = 1.50 mm

15510
(1.959 Kg/m)
W.T = 1.80 mm

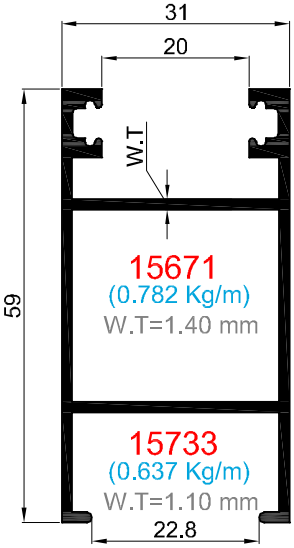
15761
(2.063 Kg/m)
W.T = 1.90 mm



15734
(0.621 Kg/m)
W.T=1.10 mm

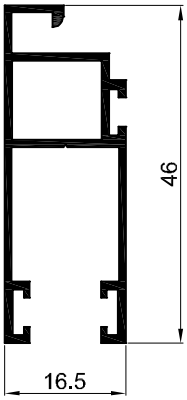


15739
(1.621 Kg/m)
W.T = 1.50 mm

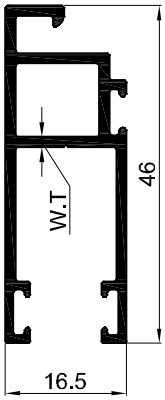


15671
(0.782 Kg/m)
W.T=1.40 mm

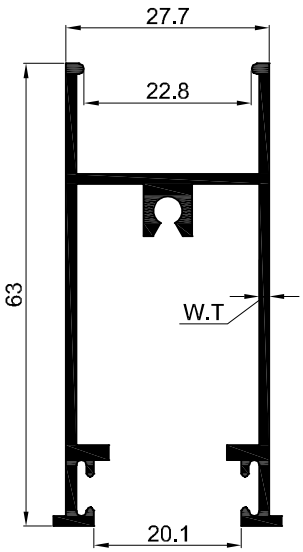
15733
(0.637 Kg/m)
W.T=1.10 mm



15303
(0.374 Kg/m)

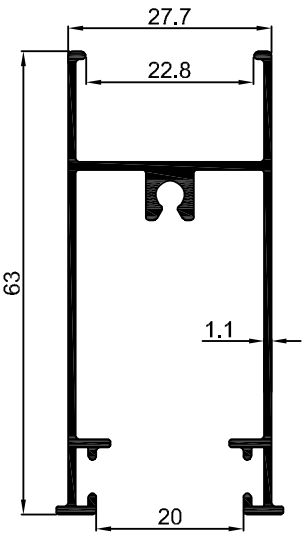


15706
(0.486 Kg/m)
W.T=1.4 mm

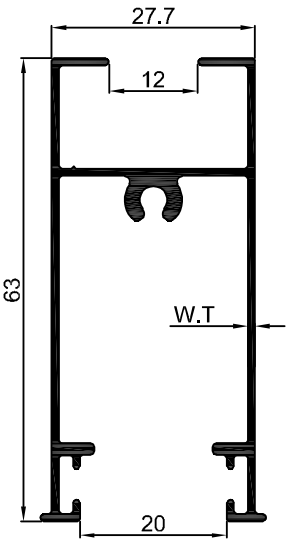


12475
(0.664 Kg/m)
W.T=1.10 mm

12462
(0.755 Kg/m)
W.T=1.4 mm

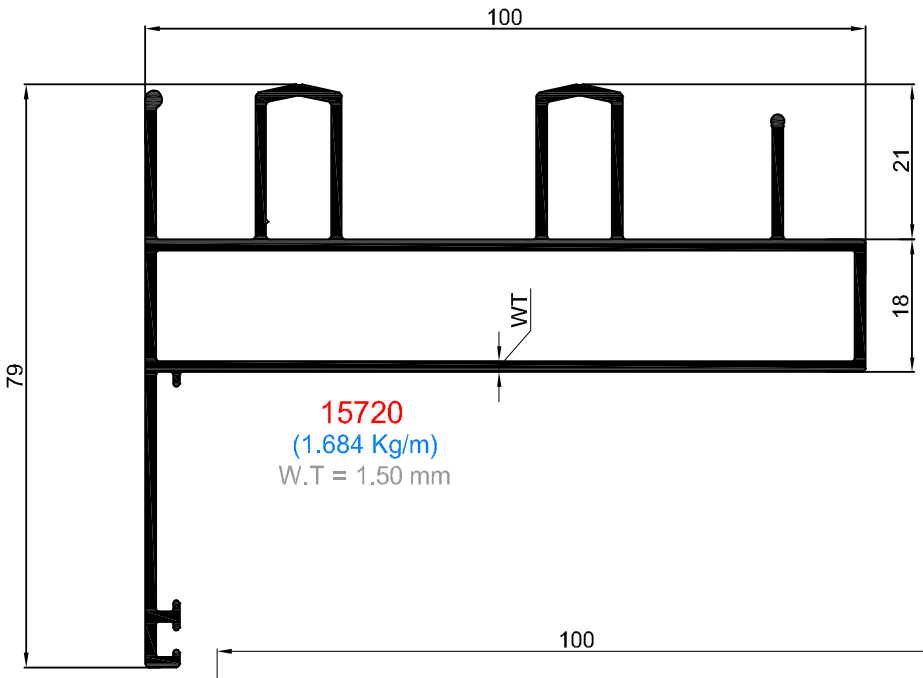


12506
(0.591 Kg/m)
W.T=1.1 mm

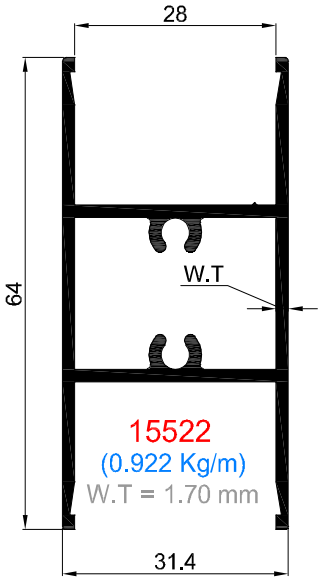


12514
(0.609 Kg/m)
W.T=1.0 mm

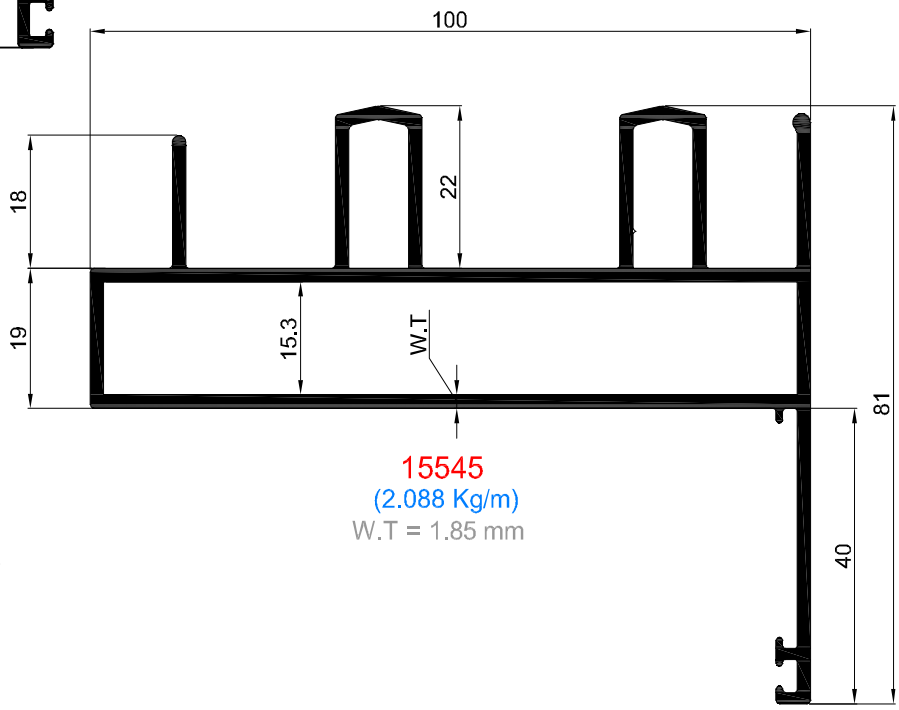
SLIDING DOORS & WINDOWS "KSA"



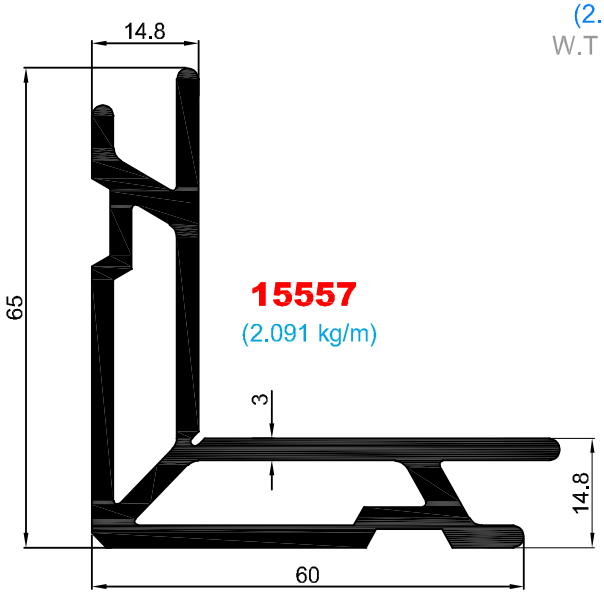
15720
(1.684 Kg/m)
W.T = 1.50 mm



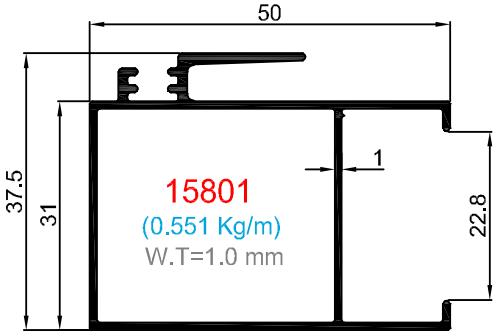
15522
(0.922 Kg/m)
W.T = 1.70 mm



15545
(2.088 Kg/m)
W.T = 1.85 mm

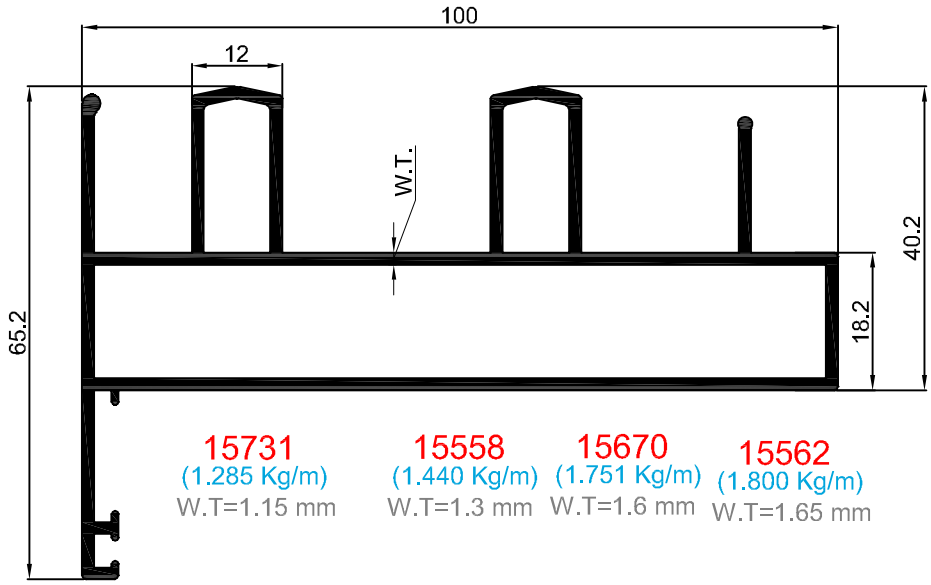


15557
(2.091 kg/m)



15801
(0.551 Kg/m)
W.T=1.0 mm

SLIDING DOORS & WINDOWS "KSA"

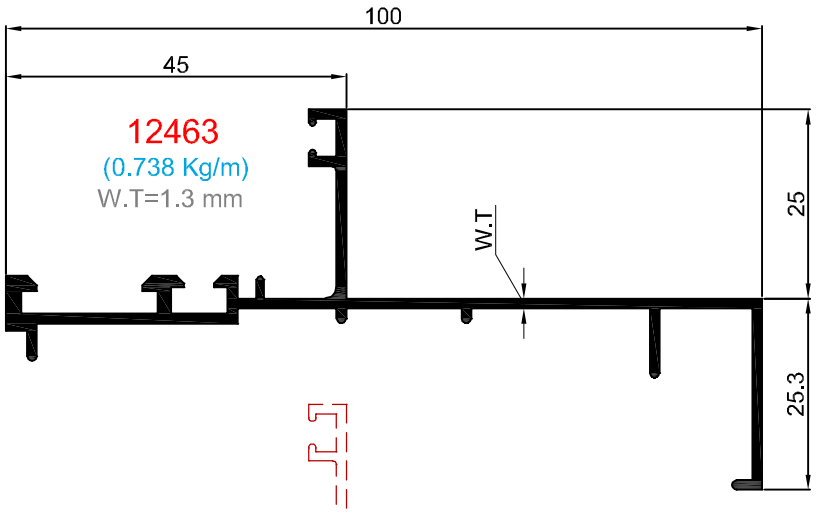


15731
(1.285 Kg/m)
W.T=1.15 mm

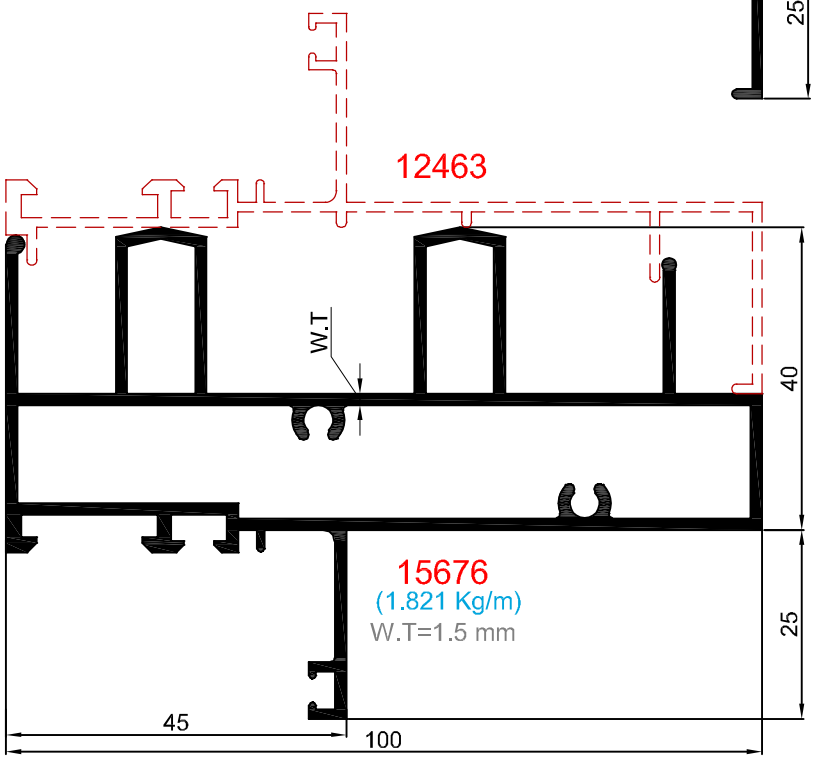
15558
(1.440 Kg/m)
W.T=1.3 mm

15670
(1.751 Kg/m)
W.T=1.6 mm

15562
(1.800 Kg/m)
W.T=1.65 mm

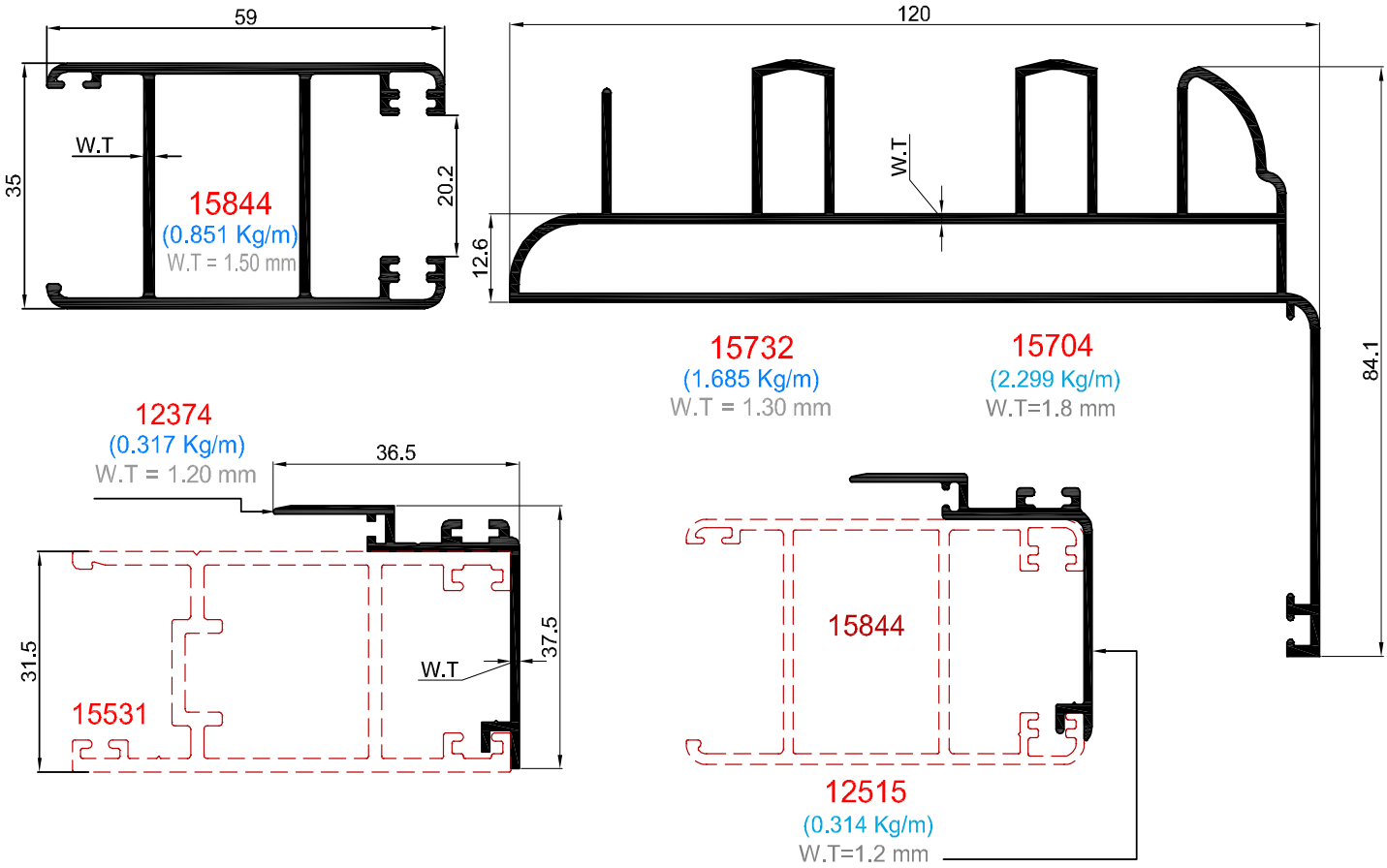


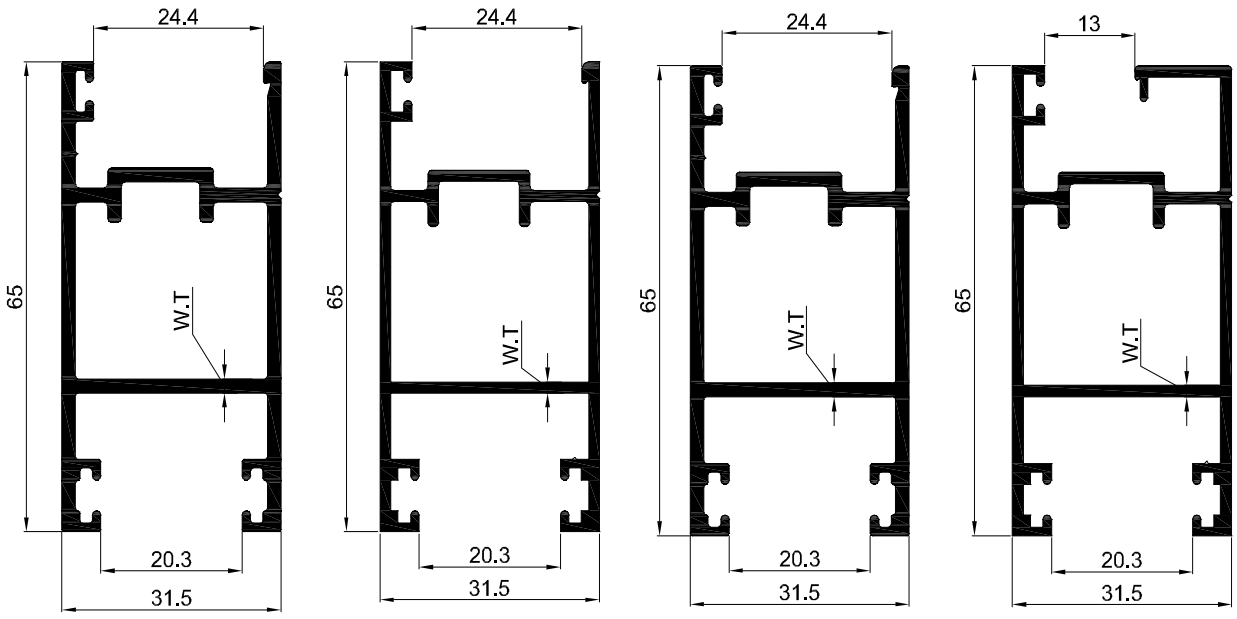
12463
(0.738 Kg/m)
W.T=1.3 mm



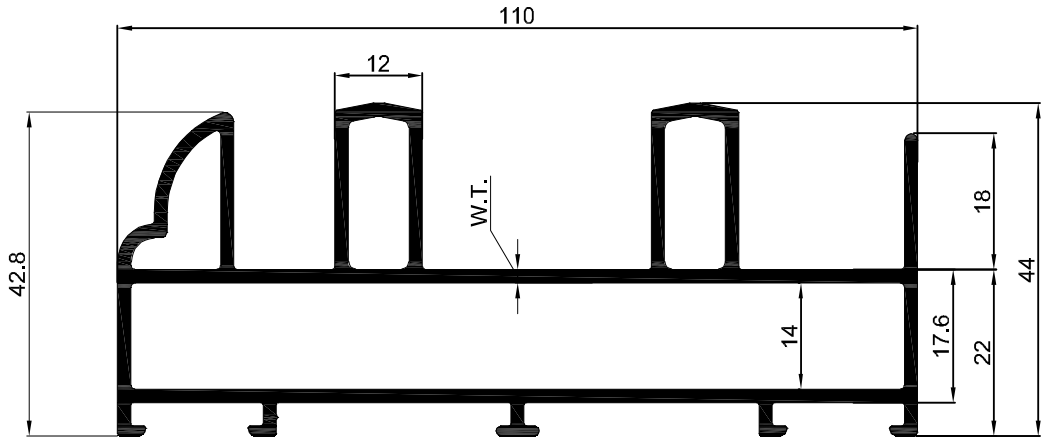
15676
(1.821 Kg/m)
W.T=1.5 mm

SLIDING DOORS & WINDOWS "KSA"

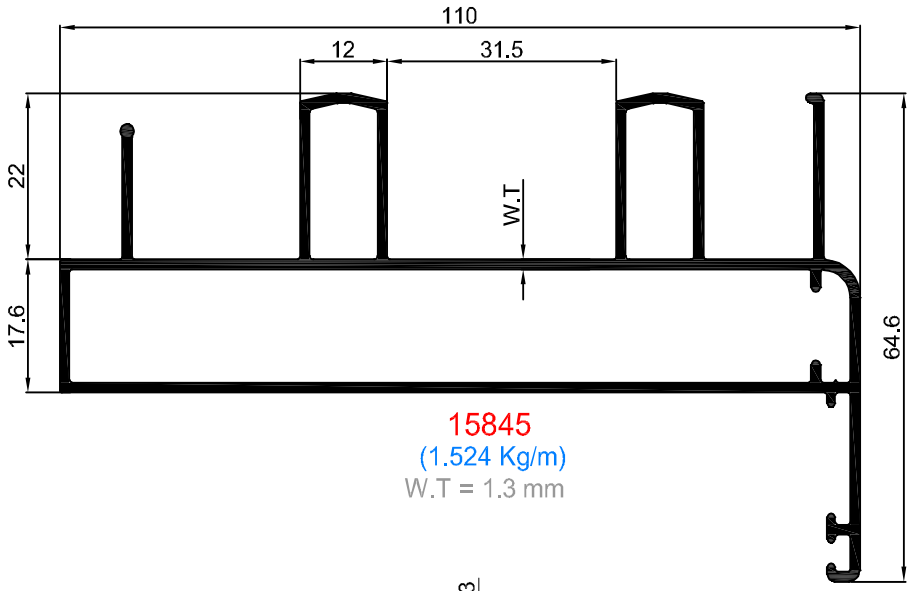




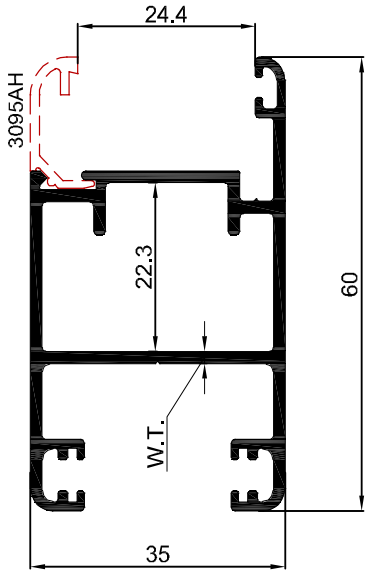
SLIDING DOORS & WINDOWS "KSA"



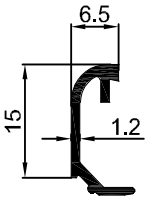
23540
(2.168 Kg/m)
W.T = 1.80 mm



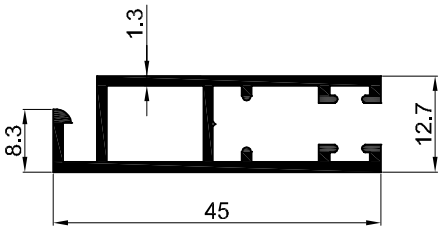
15845
(1.524 Kg/m)
W.T = 1.3 mm



23541
(0.914 Kg/m)
W.T = 1.60 mm

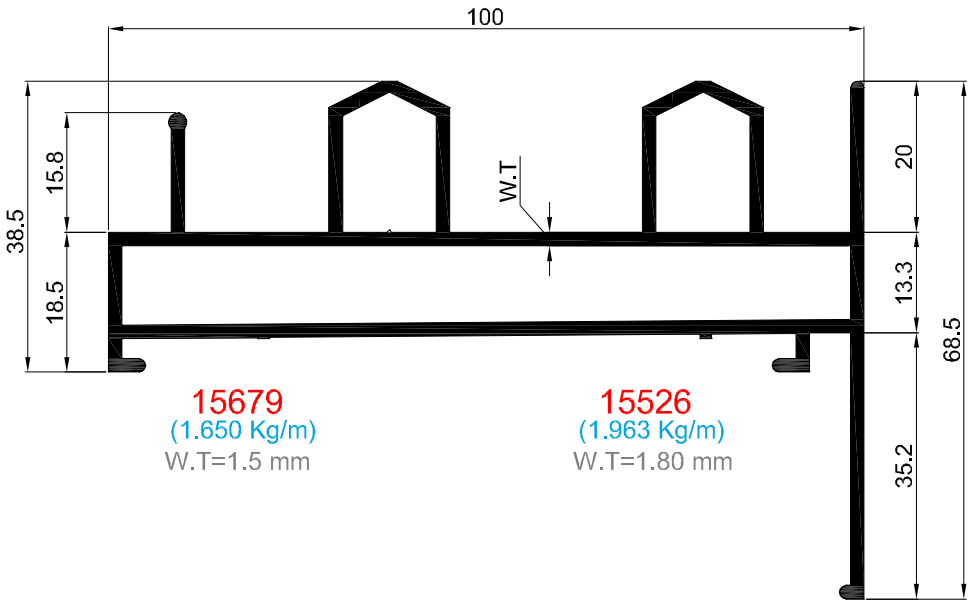


3095AH
(0.102 Kg/m)
W.T = 1.20 mm



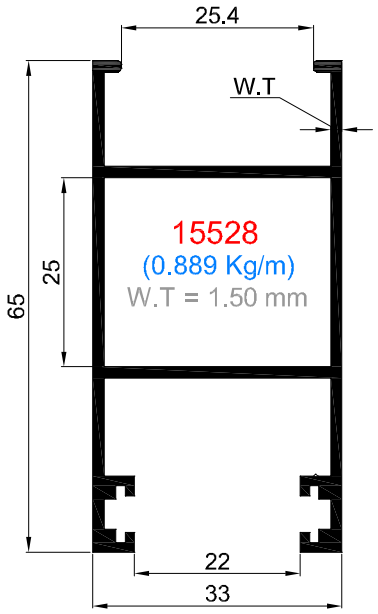
15533
(0.455 Kg/m)
W.T=1.3 mm

SLIDING DOORS & WINDOWS "KSA"

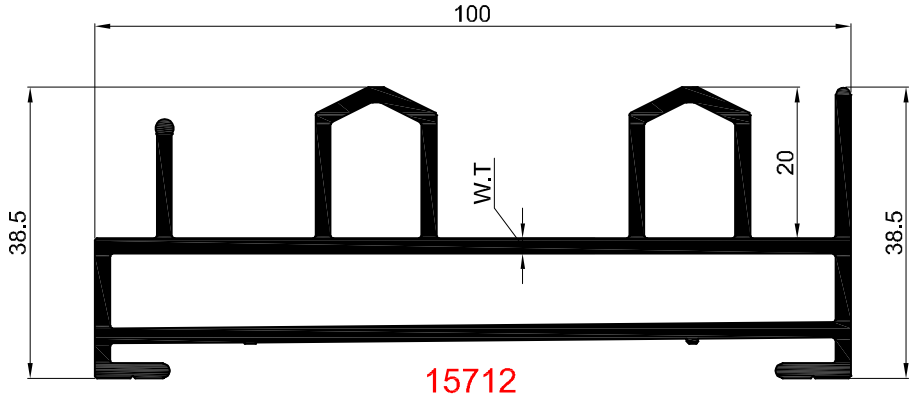


15679
(1.650 Kg/m)
W.T=1.5 mm

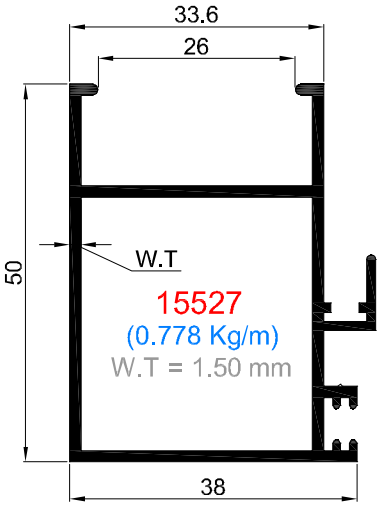
15526
(1.963 Kg/m)
W.T=1.80 mm



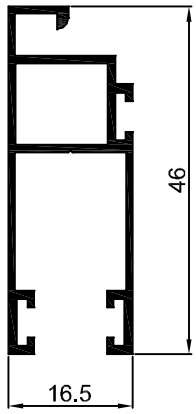
15528
(0.889 Kg/m)
W.T = 1.50 mm



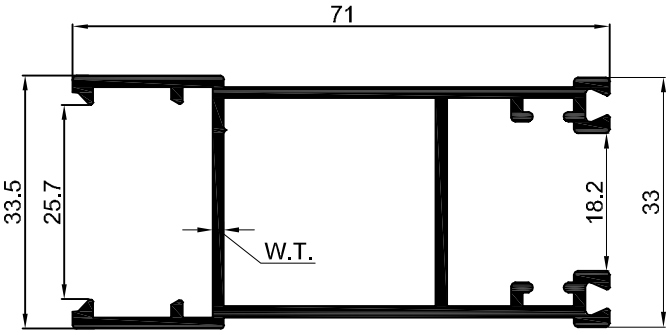
15712
(2.027 Kg/m)
W.T=2.0 mm



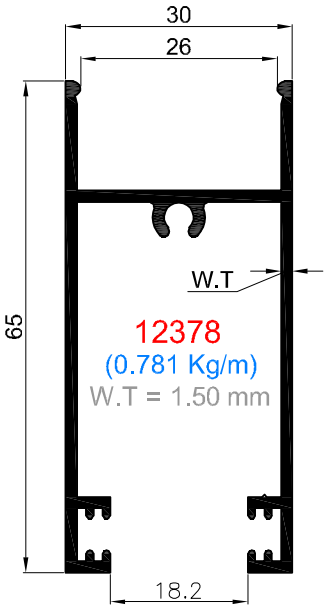
15527
(0.778 Kg/m)
W.T = 1.50 mm



15303
(0.374 Kg/m)

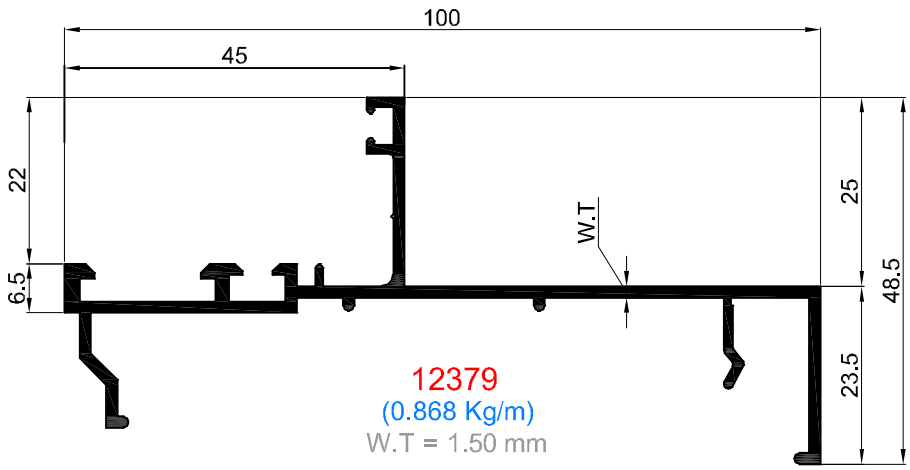


15721
(0.978Kg/m)
W.T = 1.50 mm

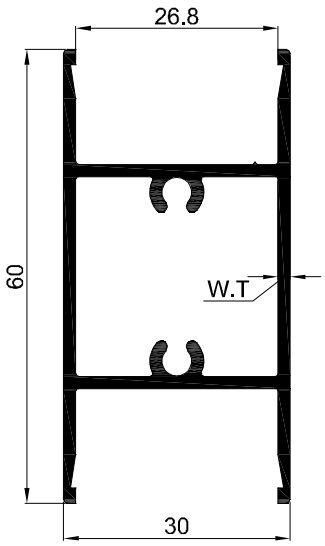


12378
(0.781 Kg/m)
W.T = 1.50 mm

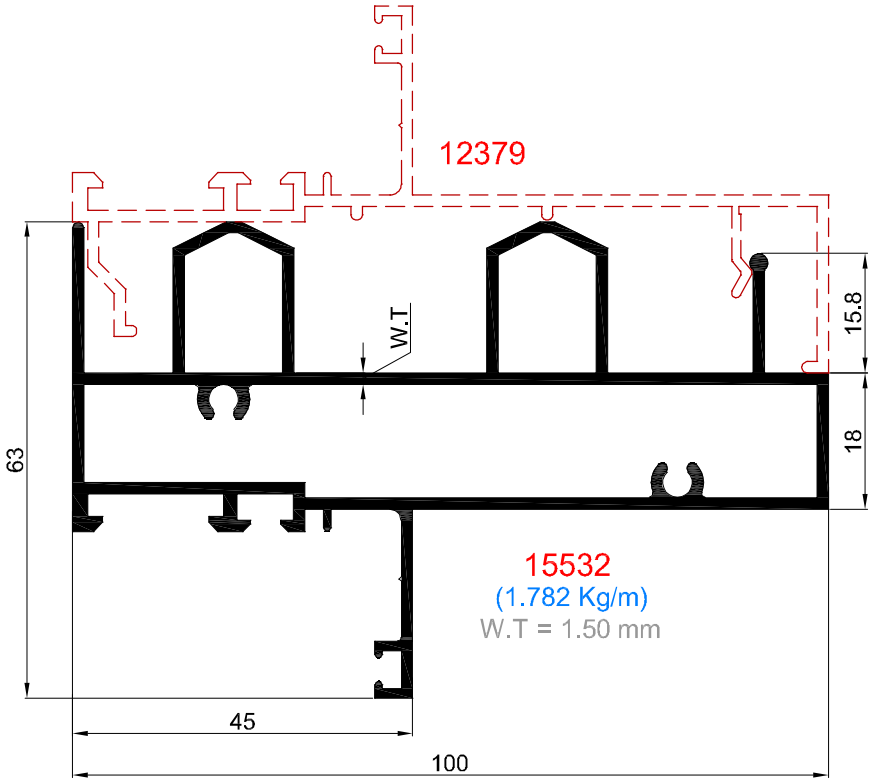
SLIDING DOORS & WINDOWS "KSA"



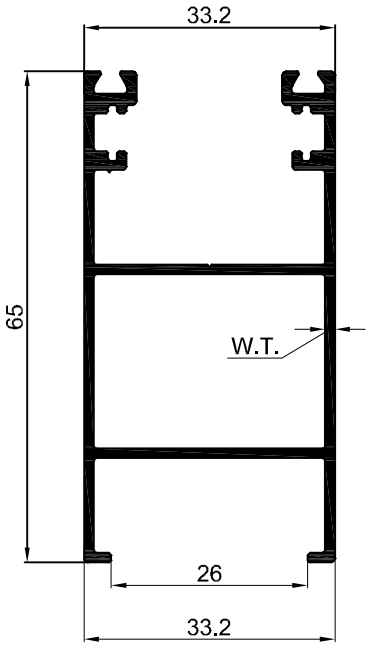
12379
(0.868 Kg/m)
W.T = 1.50 mm



15523
(0.821 Kg/m)
W.T = 1.60 mm

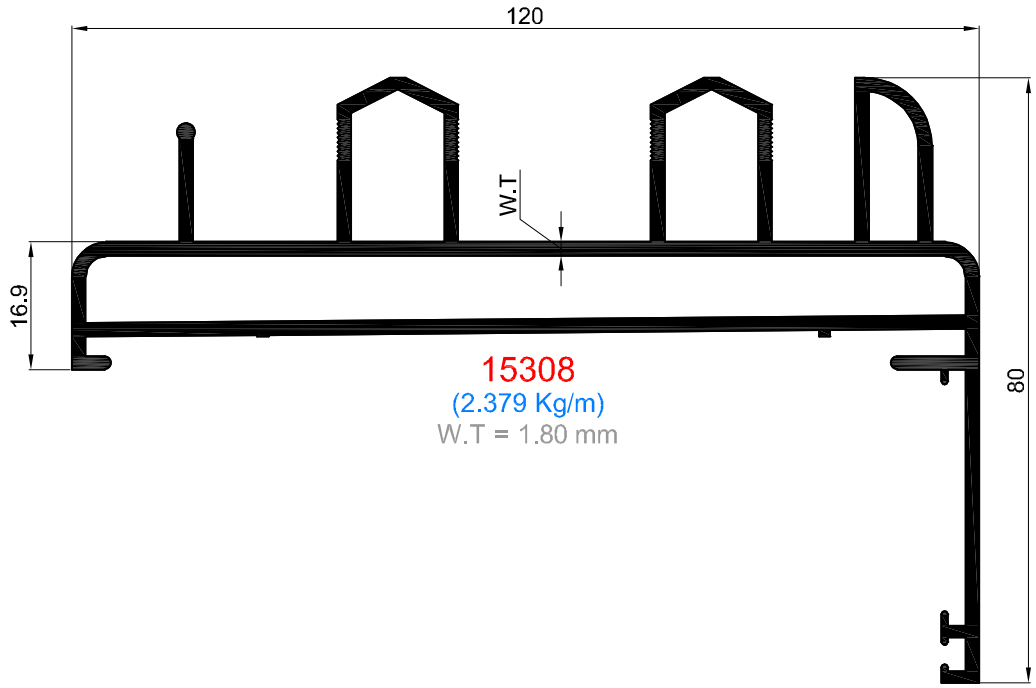


15532
(1.782 Kg/m)
W.T = 1.50 mm

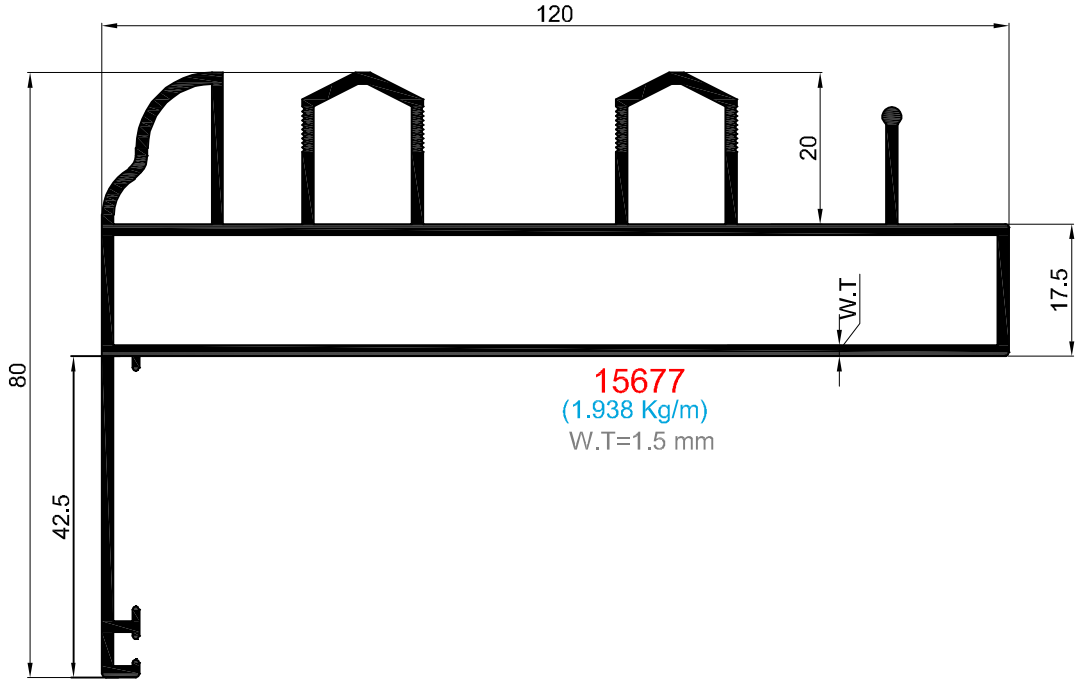


15767
(0.833 Kg/m)
W.T=1.30 mm

SLIDING DOORS & WINDOWS "KSA"

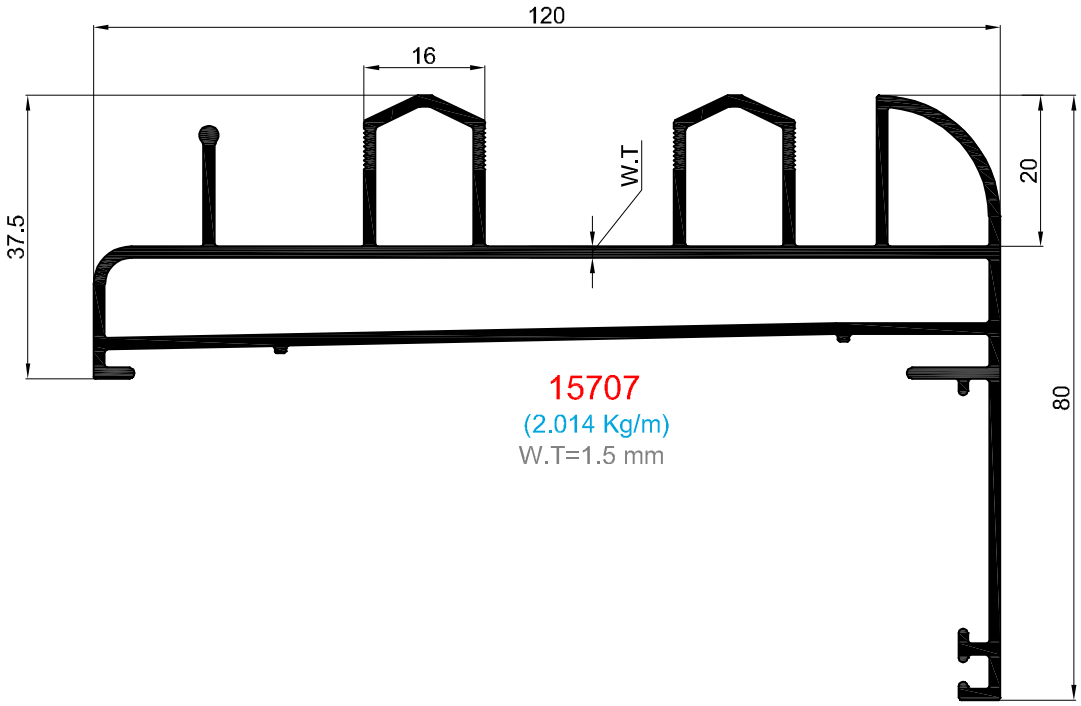


15308
(2.379 Kg/m)
W.T = 1.80 mm

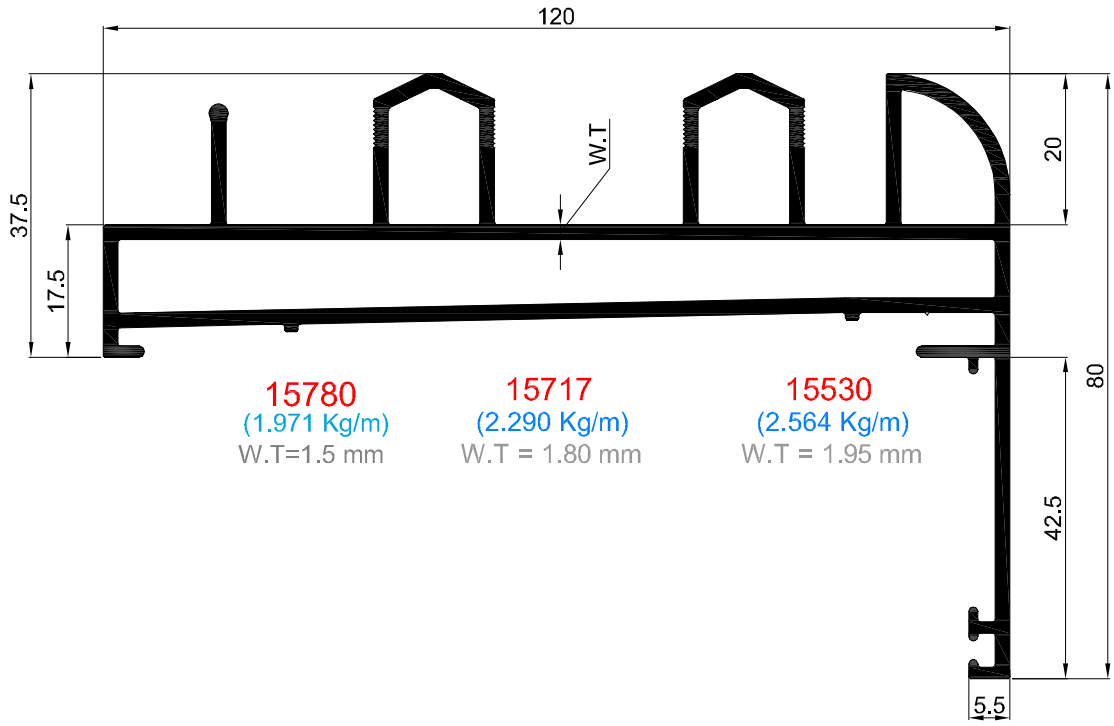


15677
(1.938 Kg/m)
W.T=1.5 mm

SLIDING DOORS & WINDOWS "KSA"



15707
(2.014 Kg/m)
W.T=1.5 mm

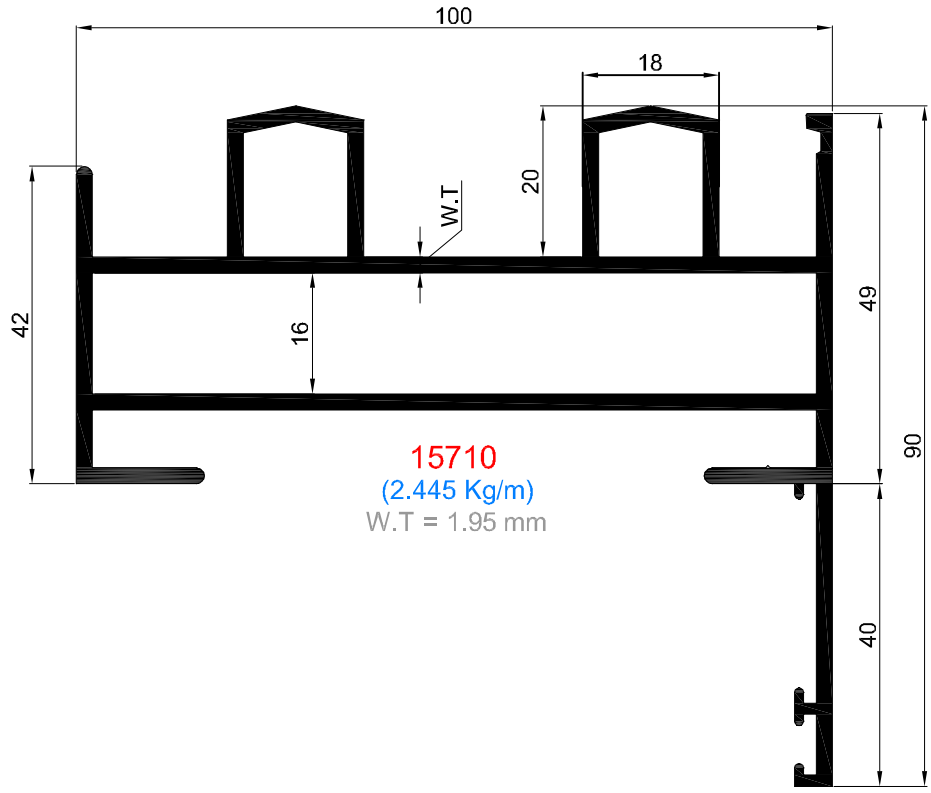


15780
(1.971 Kg/m)
W.T=1.5 mm

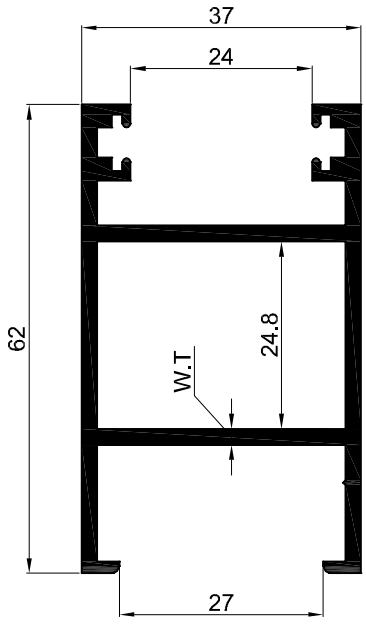
15717
(2.290 Kg/m)
W.T = 1.80 mm

15530
(2.564 Kg/m)
W.T = 1.95 mm

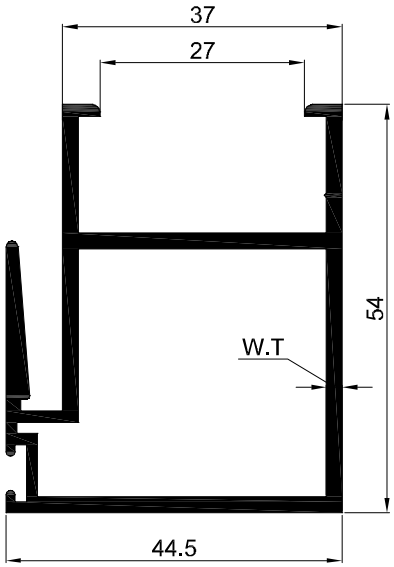
SLIDING DOORS & WINDOWS "KSA"



15710
(2.445 Kg/m)
W.T = 1.95 mm

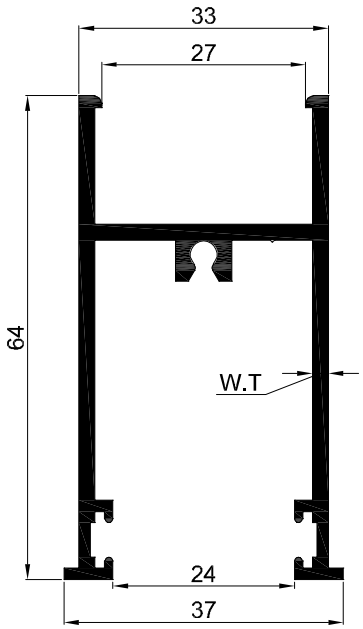


15708
(1.150 Kg/m)
W.T = 1.95 mm



15709
(1.160 Kg/m)
W.T = 1.95 mm

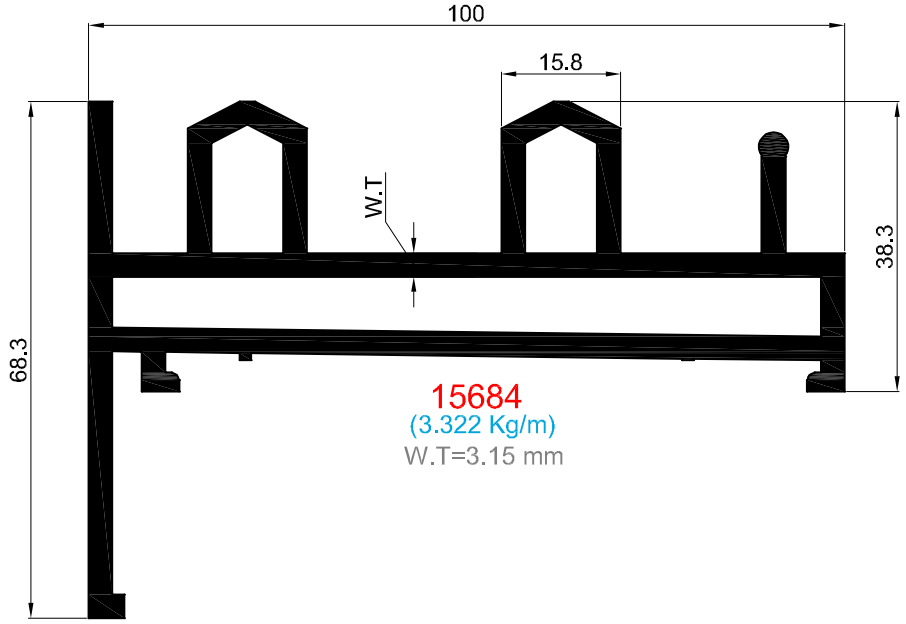
15537
(1.223 Kg/m)
W.T = 2.10 mm



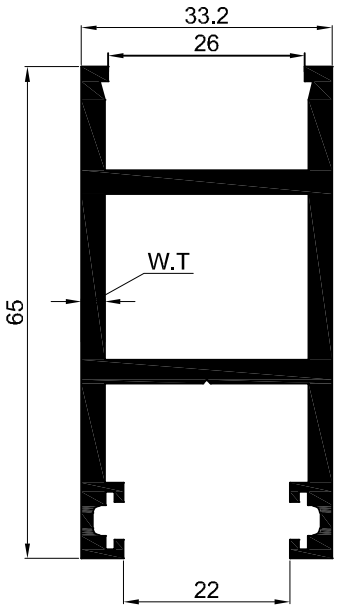
12466
(0.963 Kg/m)
W.T = 1.95 mm

12382
(1.018 Kg/m)
W.T = 2.10 mm

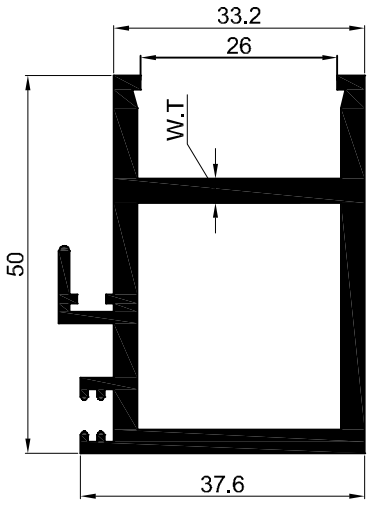
SLIDING DOORS & WINDOWS "KSA"
3mm WALL THICKNESS



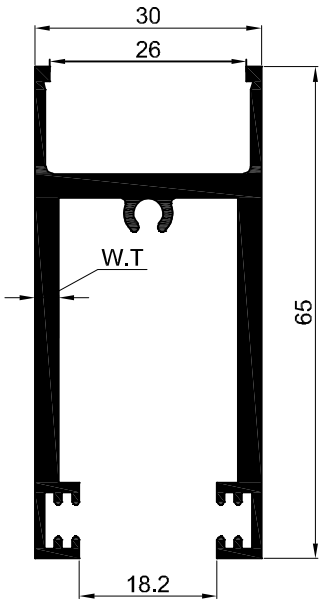
15684
(3.322 Kg/m)
W.T=3.15 mm



15685
(1.579 Kg/m)
W.T=3.15 mm

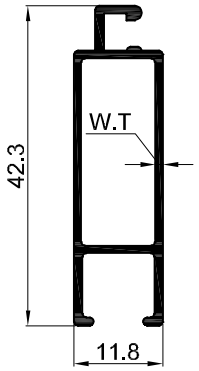


15686
(1.430 Kg/m)
W.T=3.15 mm

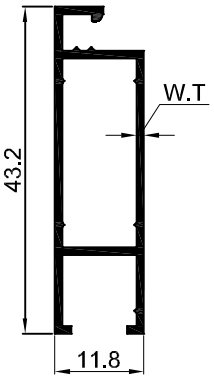


15687
(1.214 Kg/m)
W.T=3.15 mm

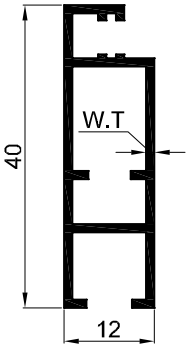
FLYSCREEN



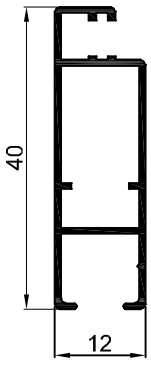
18313
(0.303 Kg/m)
W.T = 1.0 mm



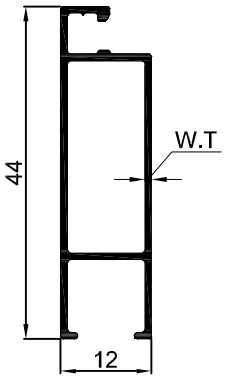
15581
(0.298 Kg/m)
W.T = 1.0 mm



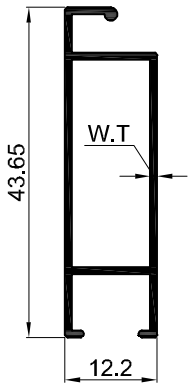
15006A
(0.290 Kg/m)
W.T = 0.95 mm



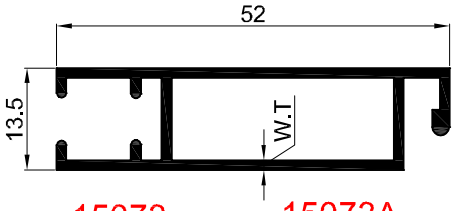
21100
(0.241 Kg/m)



15181
(0.275 Kg/m)
W.T = 0.90 mm

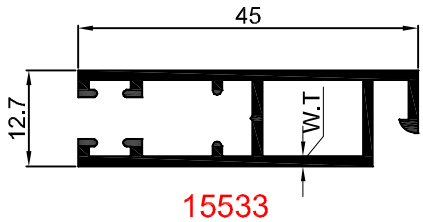


15231
(0.274 Kg/m)
W.T = 0.90 mm

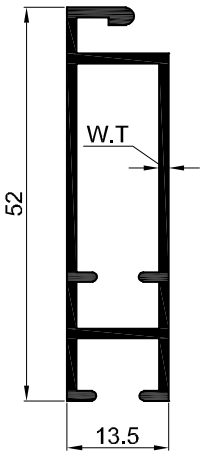


15073
(0.491 Kg/m)
W.T = 1.30 mm

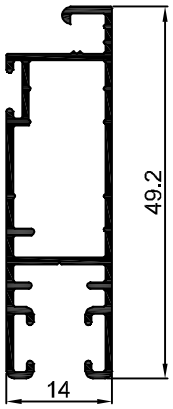
15073A
(0.424 Kg/m)
W.T = 1.10 mm



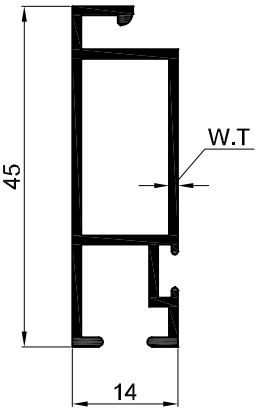
15533
(0.455 Kg/m)
W.T = 1.3 mm



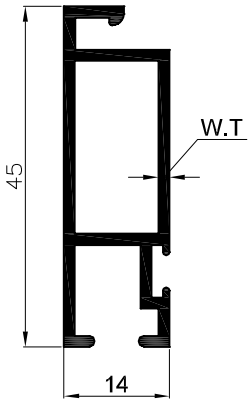
15074
(0.491 Kg/m)
W.T = 1.30 mm



15359
(0.372 Kg/m)
W.T = 0.90 mm

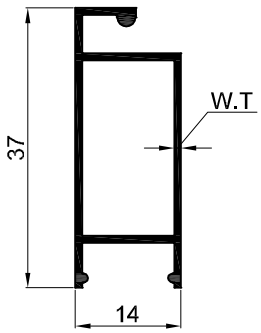


15311
(0.409 Kg/m)
W.T = 1.20 mm



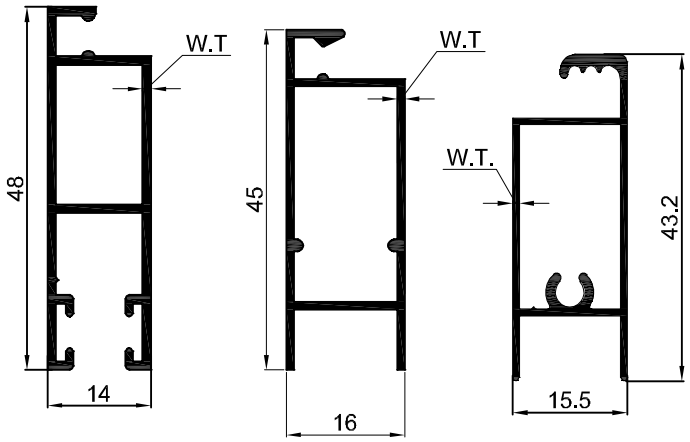
15019
(0.484 Kg/m)
W.T = 1.45 mm

15459
(0.400 Kg/m)
W.T = 1.20 mm



15259
(0.255 Kg/m)
W.T = 0.90 mm

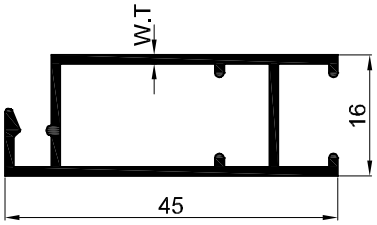
FLYSCREEN



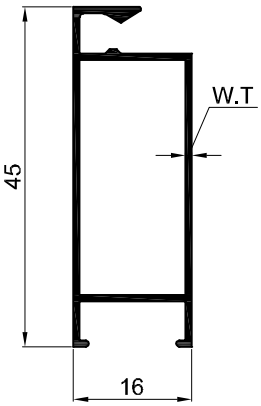
15773
(0.420 Kg/m)
W.T = 1.15 mm

15352
(0.339 Kg/m)
W.T = 1.0 mm

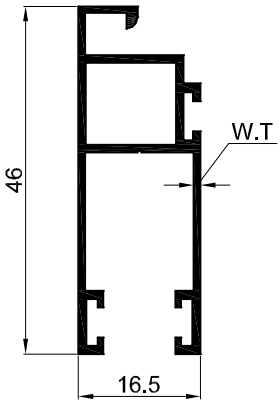
15602
(0.333Kg/m)
W.T = 0.90 mm



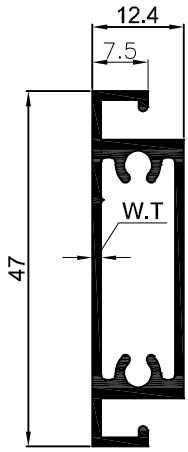
15021A
(0.367 Kg/m)
W.T = 1.05 mm



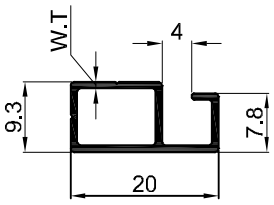
15406
(0.292 Kg/m)
W.T = 0.85 mm



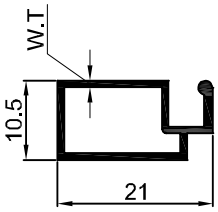
15303
(0.374 Kg/m)
W.T = 0.90 mm



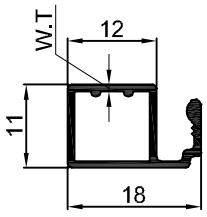
15583
(0.475 Kg/m)
W.T = 1.2 mm



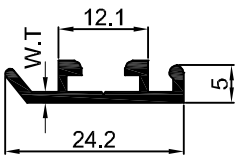
15394
(0.138 Kg/m)
W.T = 0.90 mm



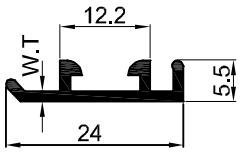
15307
(0.158Kg/m)
W.T = 0.90 mm



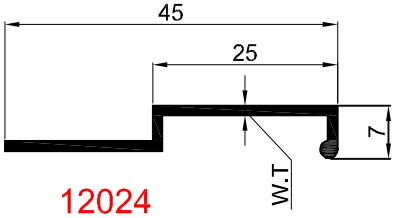
15241
(0.149 Kg/m)
W.T = 0.90 mm



12234
(0.157 Kg/m)
W.T = 1.40 mm

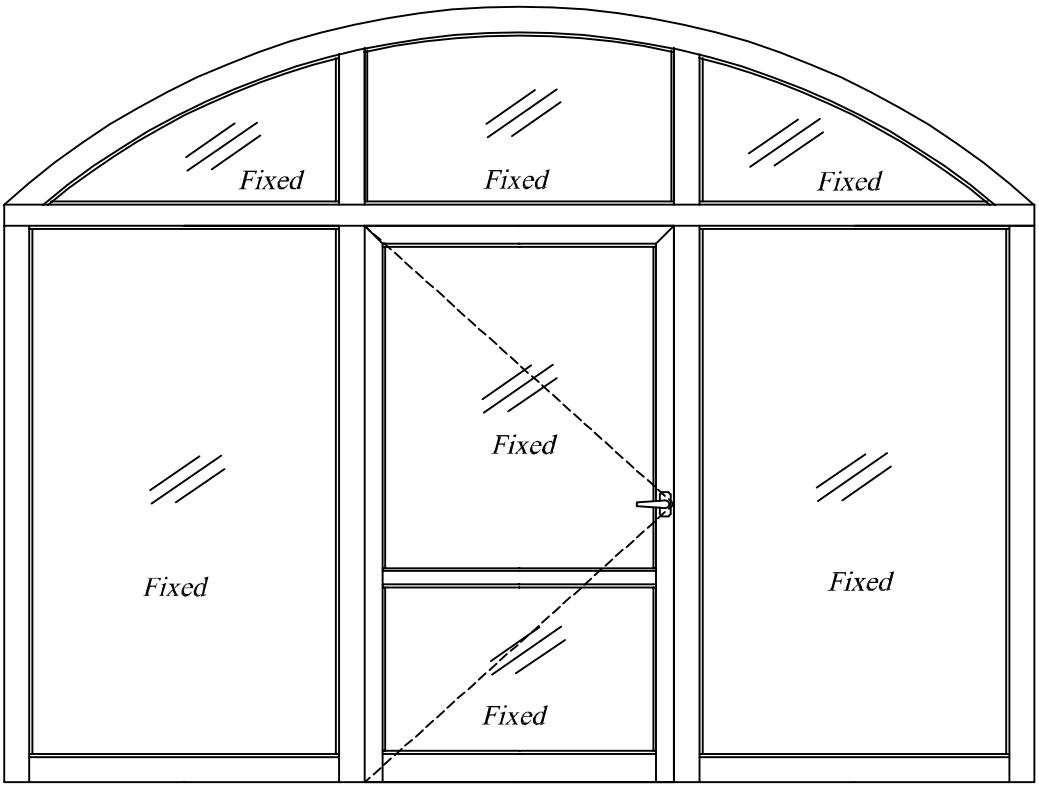


12002
(0.152 Kg/m)
W.T = 1.40 mm

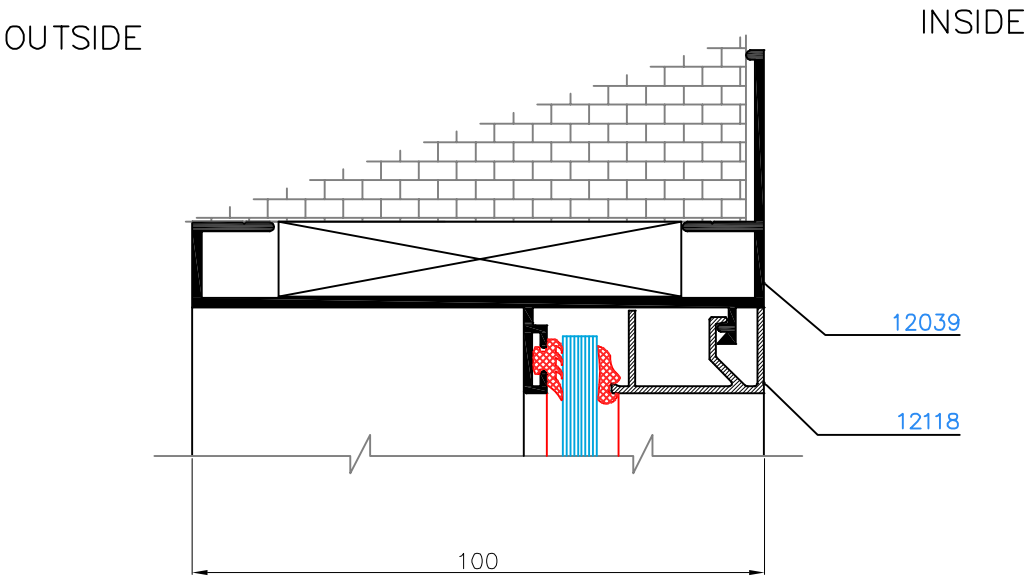


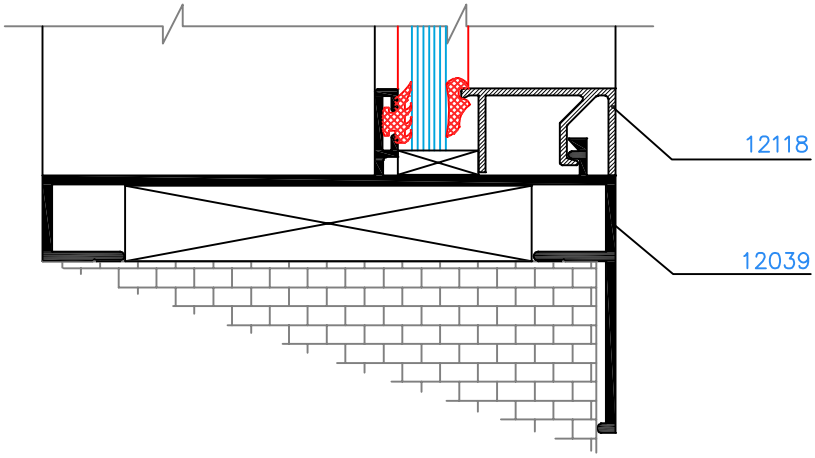
12024
(0.199 Kg/m)
W.T = 1.30 mm

HINGED SERIES

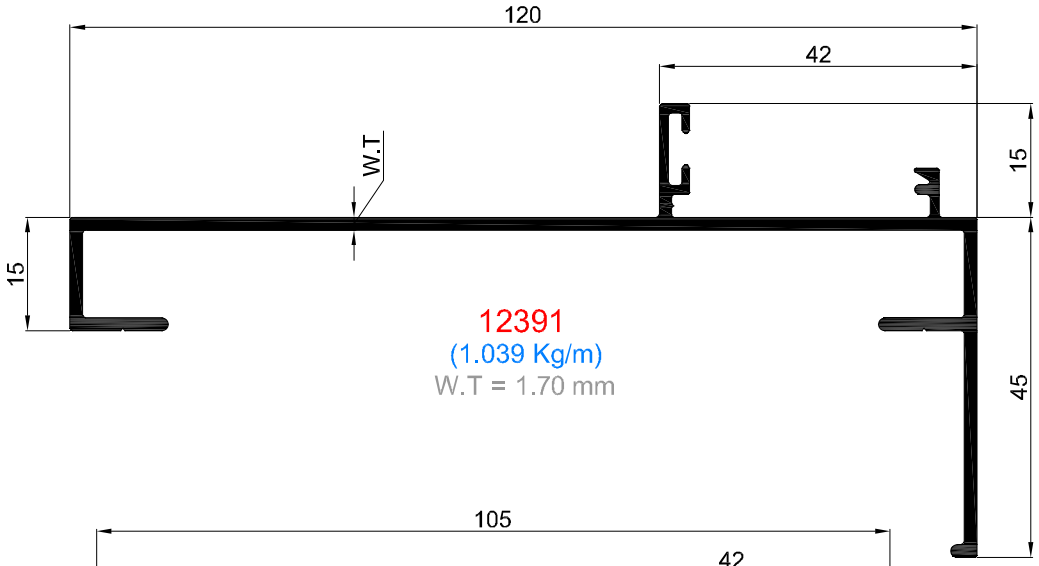


42 mm HINGED DOORS & WINDOWS

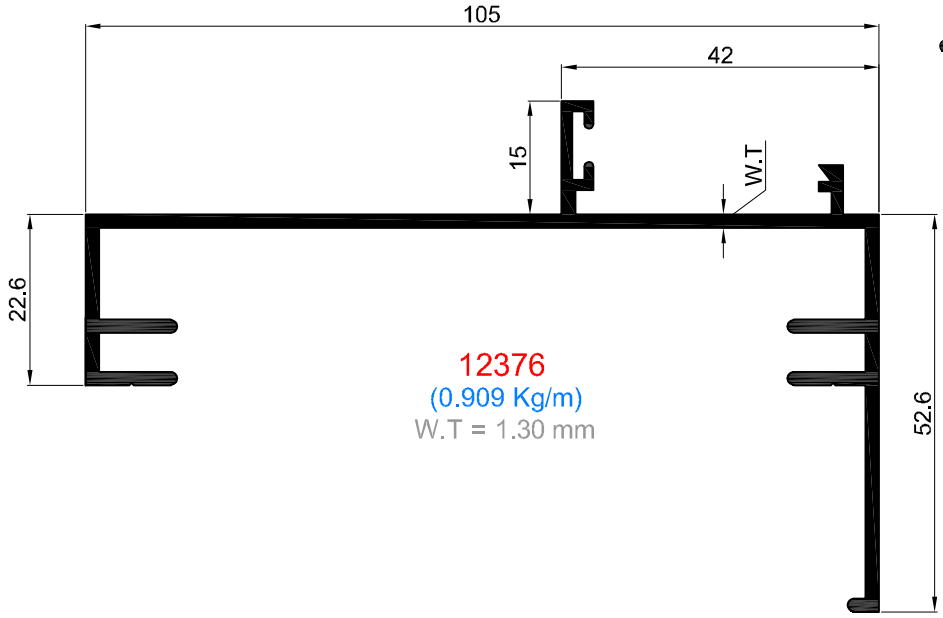




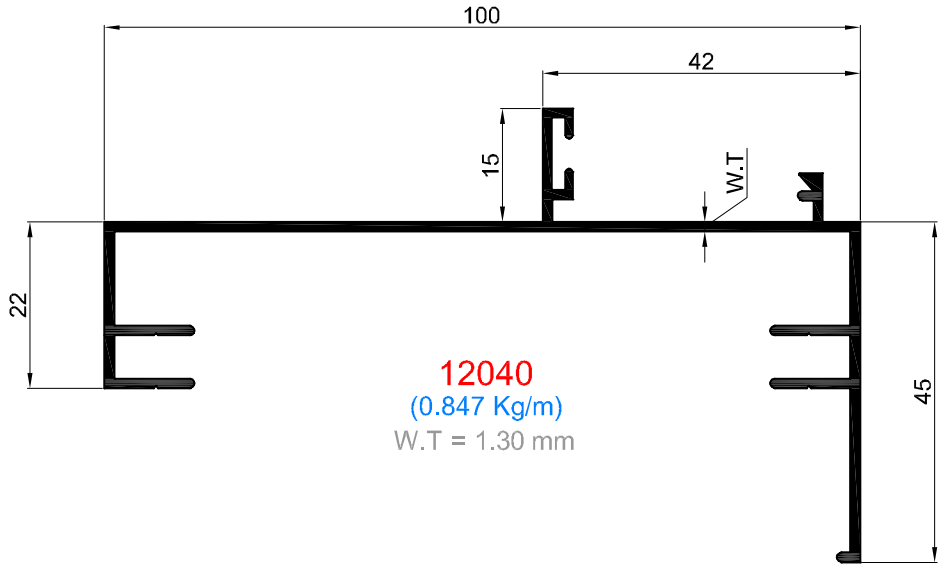
42 mm HINGED DOORS & WINDOWS



12391
(1.039 Kg/m)
W.T = 1.70 mm

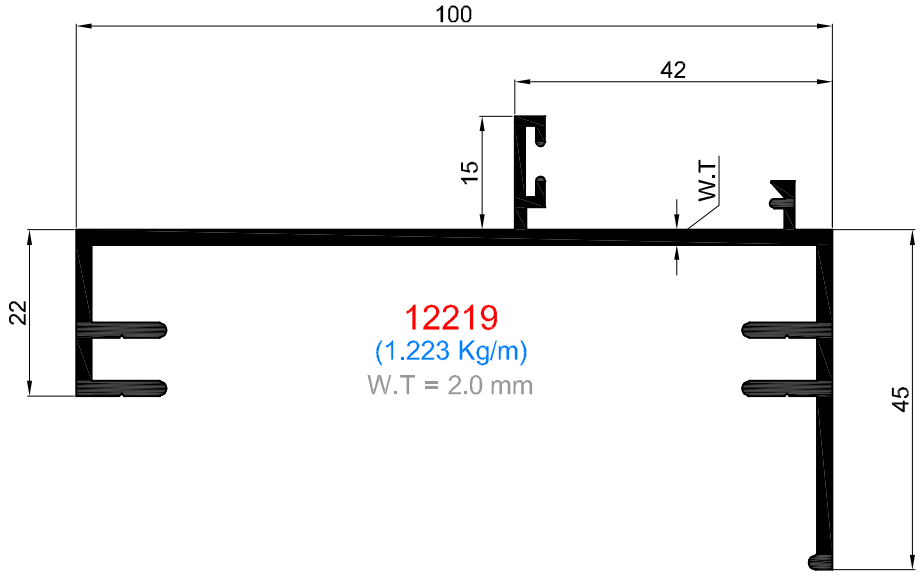


12376
(0.909 Kg/m)
W.T = 1.30 mm

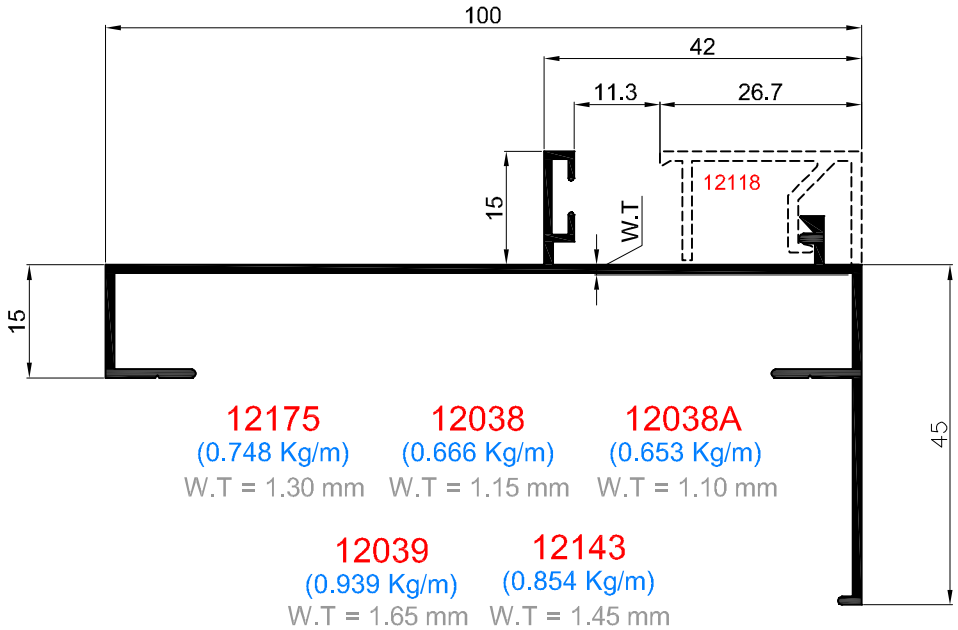


12040
(0.847 Kg/m)
W.T = 1.30 mm

42 mm HINGED DOORS & WINDOWS



12219
(1.223 Kg/m)
W.T = 2.0 mm



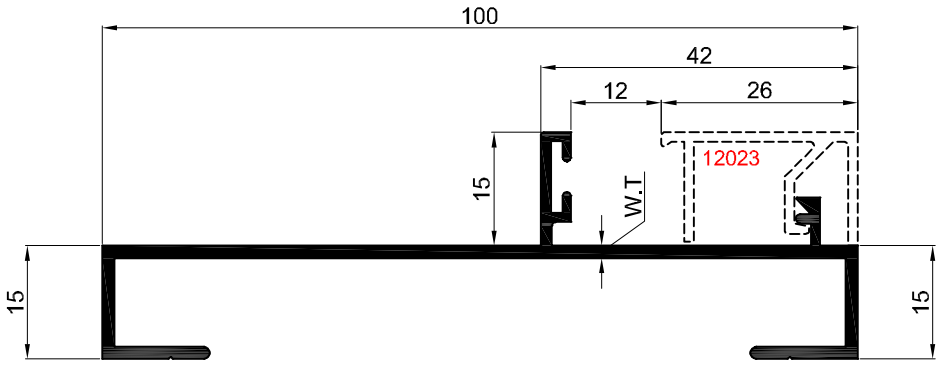
12175
(0.748 Kg/m)
W.T = 1.30 mm

12038
(0.666 Kg/m)
W.T = 1.15 mm

12038A
(0.653 Kg/m)
W.T = 1.10 mm

12039
(0.939 Kg/m)
W.T = 1.65 mm

12143
(0.854 Kg/m)
W.T = 1.45 mm



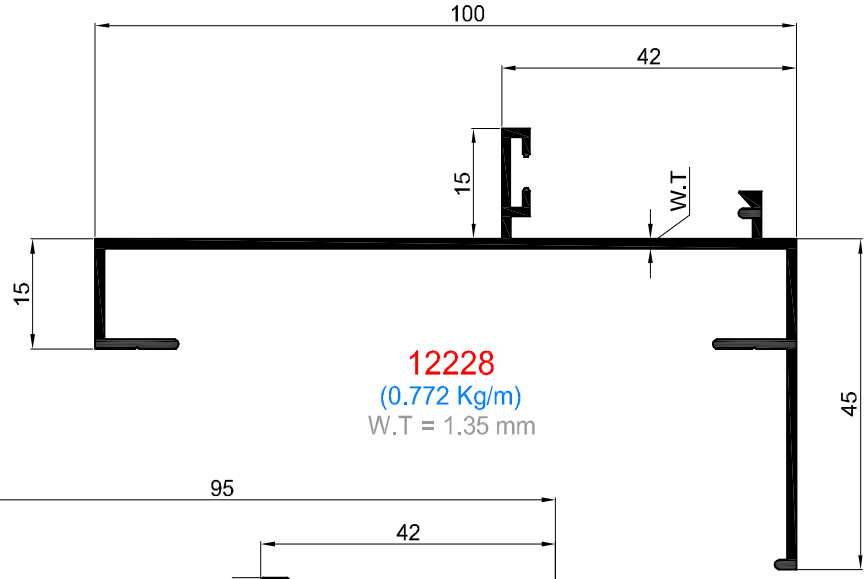
12037
(0.800 Kg/m)
W.T = 1.65 mm

12037A
(0.558 Kg/m)
W.T = 1.10 mm

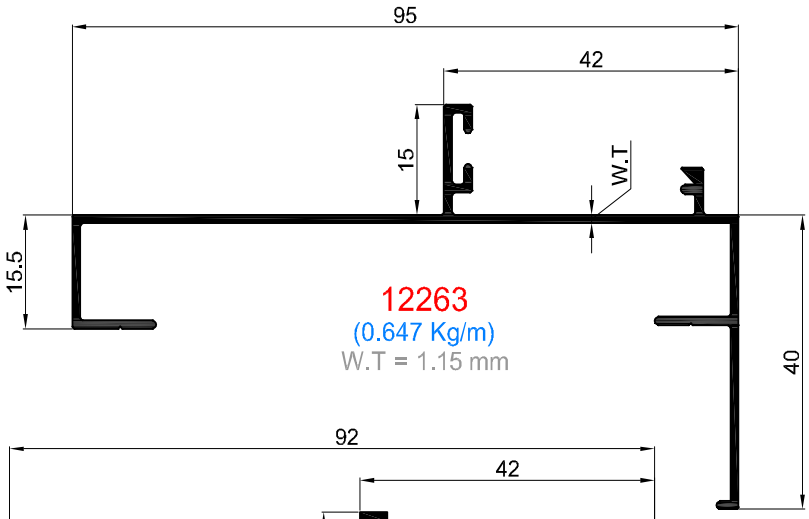
12238
(0.653 Kg/m)
W.T = 1.30 mm

12037B
(0.701 Kg/m)
W.T = 1.40 mm

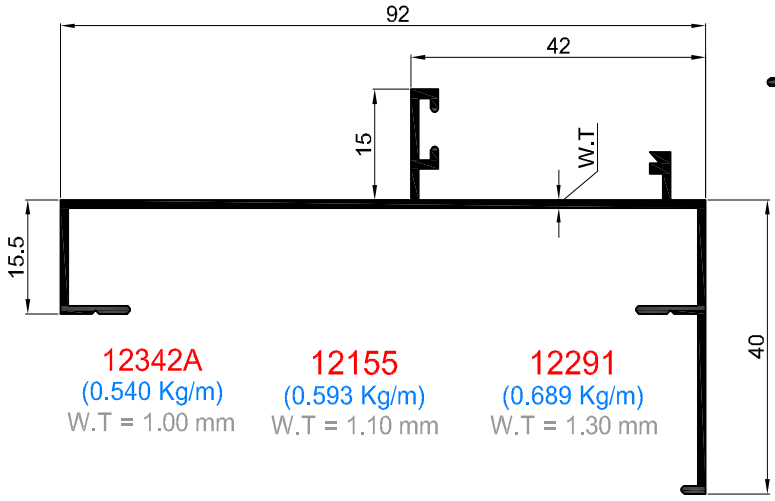
42 mm HINGED DOORS & WINDOWS



12228
(0.772 Kg/m)
W.T = 1.35 mm



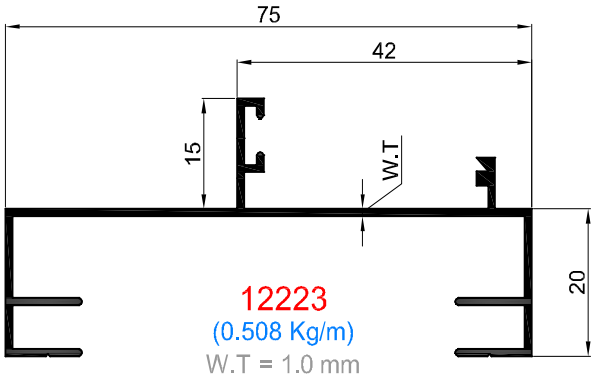
12263
(0.647 Kg/m)
W.T = 1.15 mm



12342A
(0.540 Kg/m)
W.T = 1.00 mm

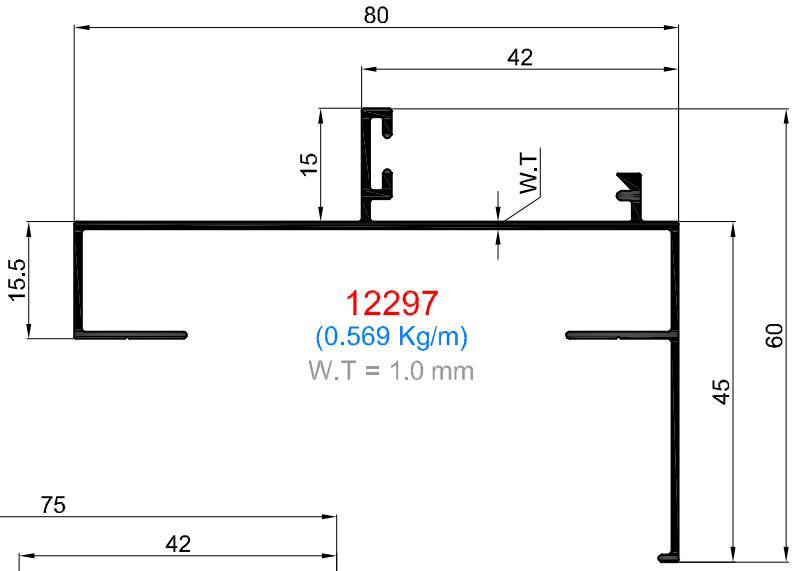
12155
(0.593 Kg/m)
W.T = 1.10 mm

12291
(0.689 Kg/m)
W.T = 1.30 mm

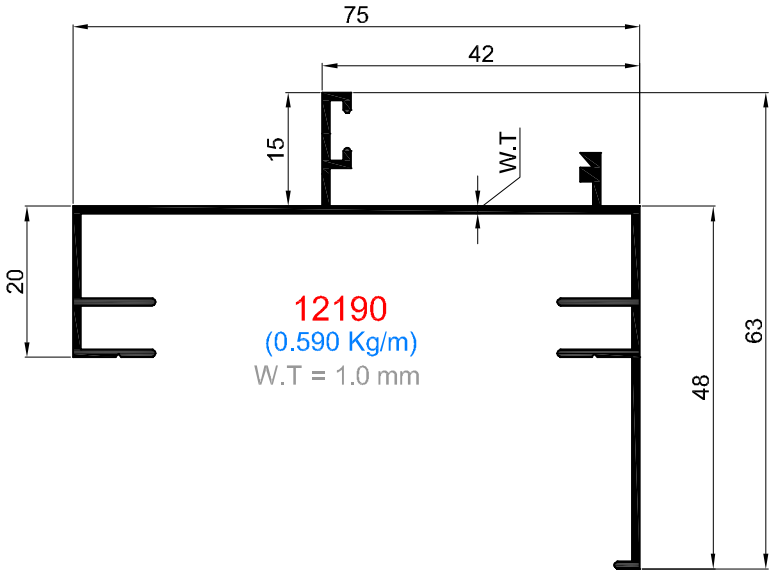


12223
(0.508 Kg/m)
W.T = 1.0 mm

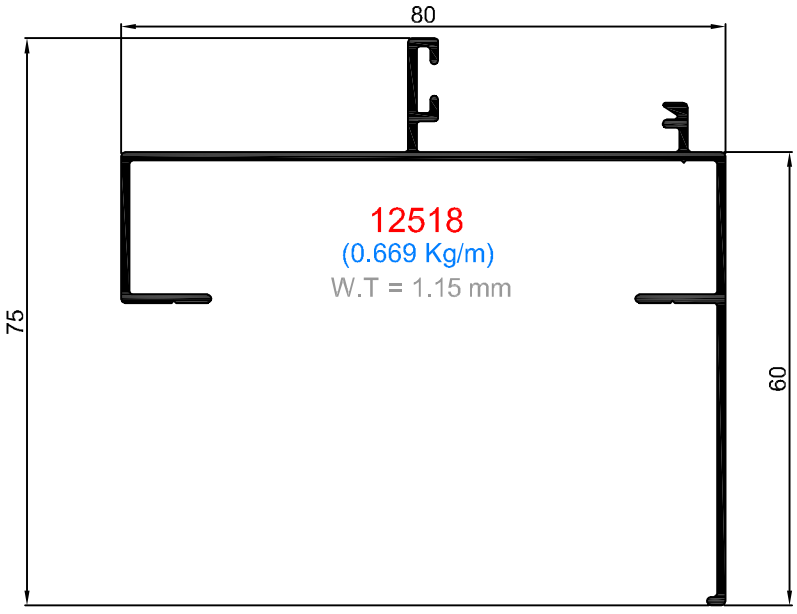
42 mm HINGED DOORS & WINDOWS



12297
(0.569 Kg/m)
W.T = 1.0 mm

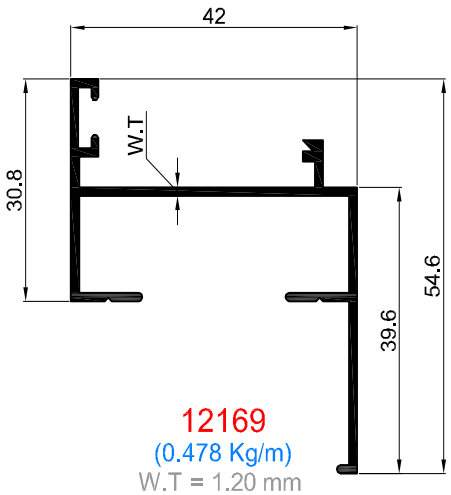


12190
(0.590 Kg/m)
W.T = 1.0 mm

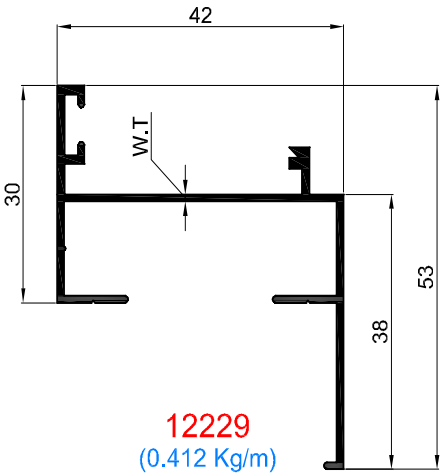


12518
(0.669 Kg/m)
W.T = 1.15 mm

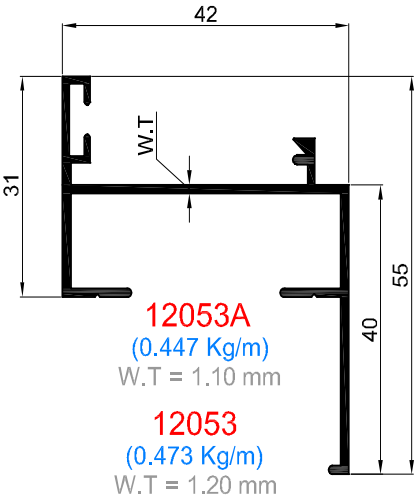
42 mm HINGED DOORS & WINDOWS



12169
(0.478 Kg/m)
W.T = 1.20 mm

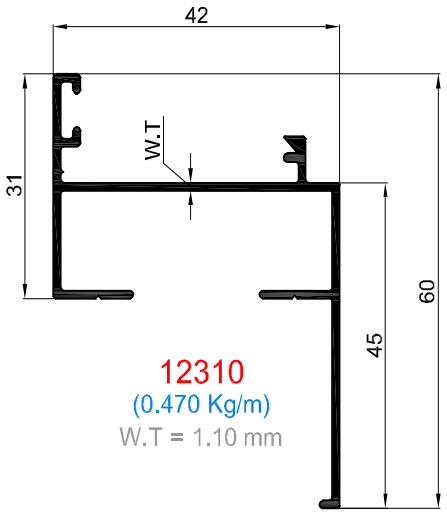


12229
(0.412 Kg/m)
W.T = 1.0 mm

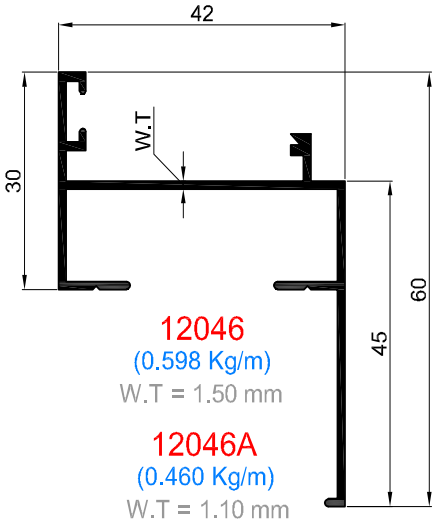


12053A
(0.447 Kg/m)
W.T = 1.10 mm

12053
(0.473 Kg/m)
W.T = 1.20 mm

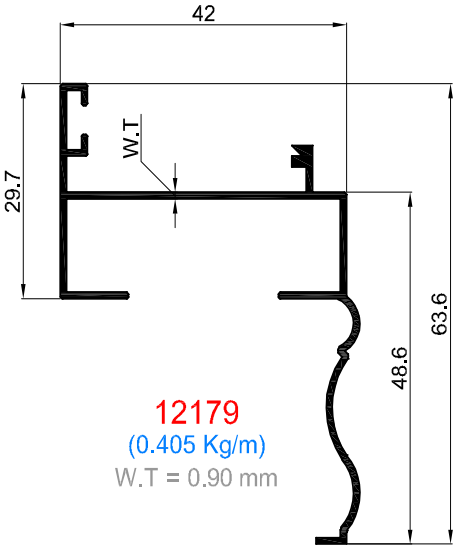


12310
(0.470 Kg/m)
W.T = 1.10 mm

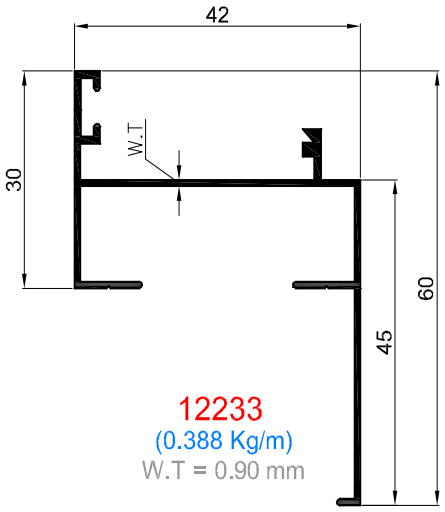


12046
(0.598 Kg/m)
W.T = 1.50 mm

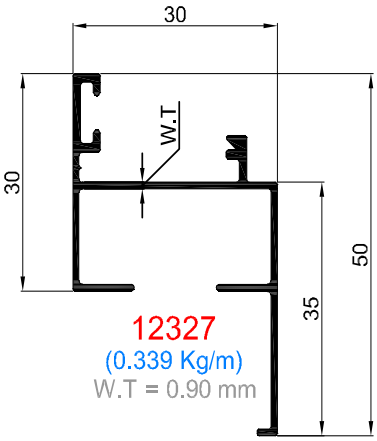
12046A
(0.460 Kg/m)
W.T = 1.10 mm



12179
(0.405 Kg/m)
W.T = 0.90 mm

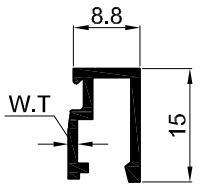


12233
(0.388 Kg/m)
W.T = 0.90 mm

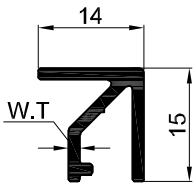


12327
(0.339 Kg/m)
W.T = 0.90 mm

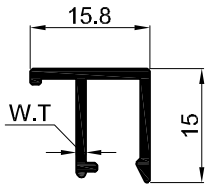
42 mm HINGED DOORS & WINDOWS



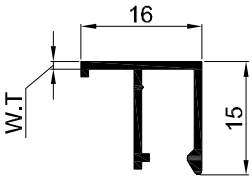
12025
(0.133 Kg/m)
W.T = 1.20 mm



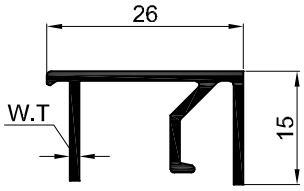
12350J
(0.186 Kg/m)
W.T = 1.50 mm



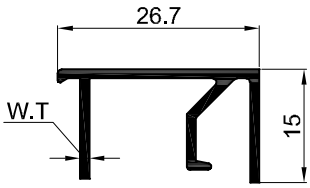
12026
(0.157 Kg/m)
W.T = 1.30 mm



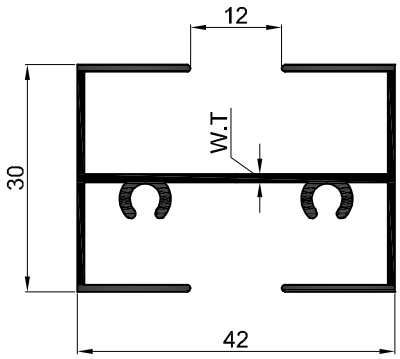
19885
(0.127 Kg/m)
W.T = 1.00 mm



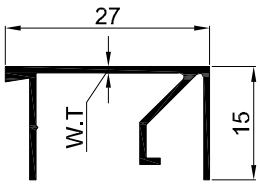
12023
(0.243 Kg/m)
W.T = 1.30 mm



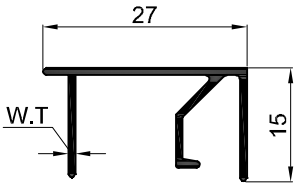
12118
(0.228 Kg/m)
W.T = 1.20 mm



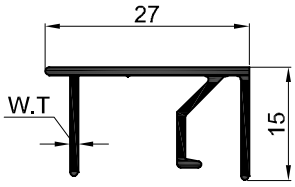
12193
(0.477 Kg/m)
W.T = 0.90 mm



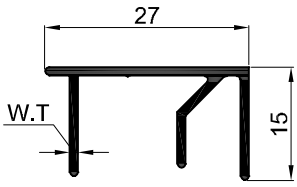
19884
(0.165 Kg/m)
W.T = 0.80 mm



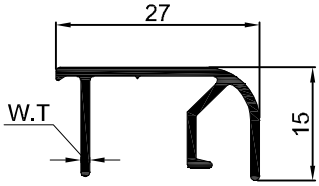
12211
(0.175 Kg/m)
W.T = 0.90 mm



12154
(0.210 Kg/m)
W.T = 1.10 mm

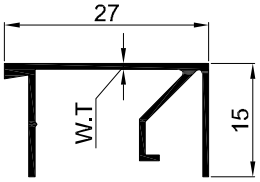


12235
(0.204 Kg/m)
W.T = 1.10 mm



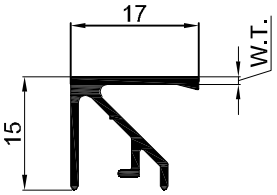
12471
(0.184 Kg/m)
W.T = 1.00 mm

12316
(0.216 Kg/m)
W.T = 1.20 mm



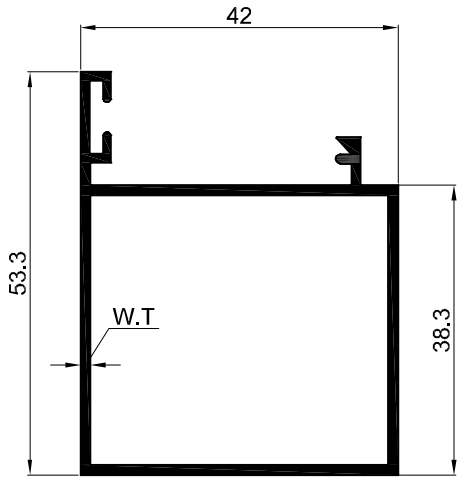
19884
(0.165 Kg/m)
W.T = 0.80 mm

12478
(0.184 Kg/m)
W.T = 0.90 mm



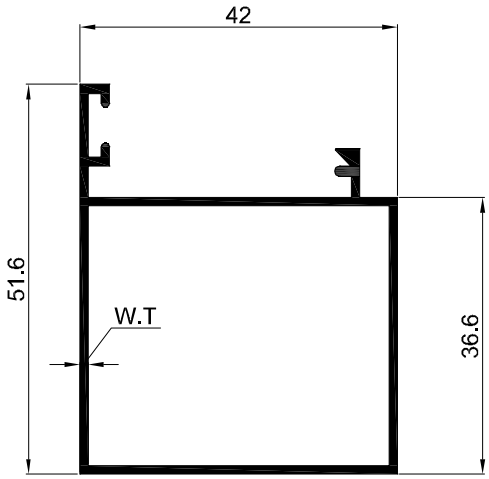
12479
(0.161 Kg/m)
W.T = 1.00 mm

42 mm HINGED DOORS & WINDOWS



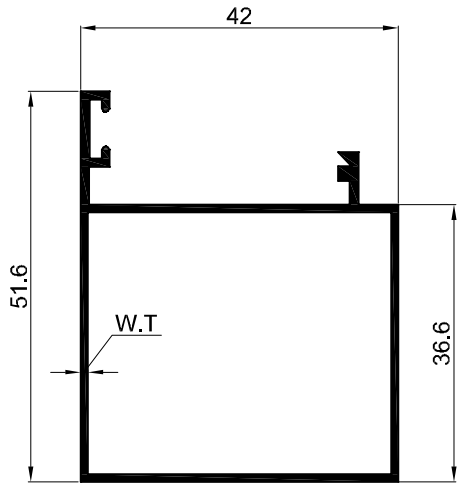
15040
(0.662 Kg/m)
W.T = 1.3 mm

15476J
(0.669 Kg/m)
W.T = 1.3 mm



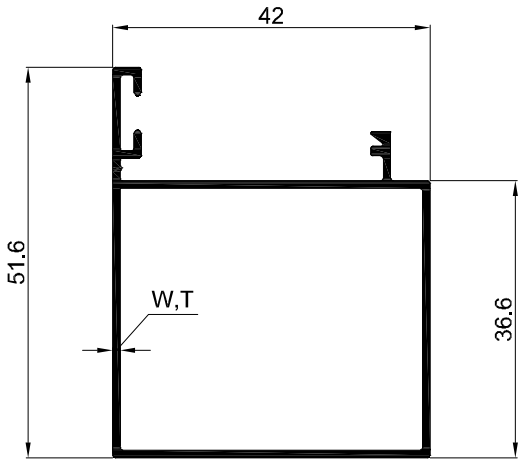
15040A
(0.561 Kg/m)
W.T = 1.10 mm

15040B
(0.520 Kg/m)
W.T = 1.0 mm

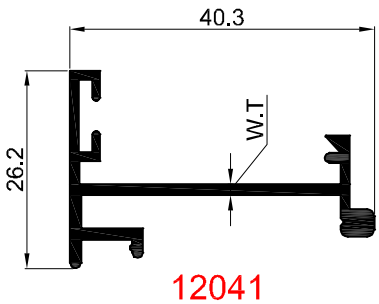


15269
(0.498 Kg/m)
W.T = 0.95 mm

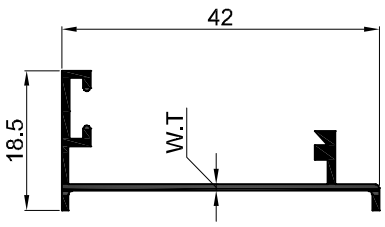
15292
(0.519 Kg/m)
W.T = 1.0 mm



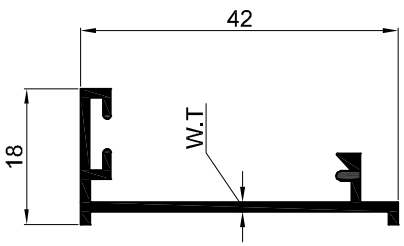
15189
(0.512 kg/m)
W.T = 1.0 mm



12041
(0.396 Kg/m)
W.T = 1.50 mm

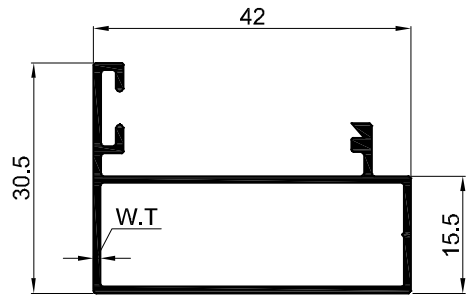


12196
(0.210 Kg/m)
W.T = 0.90 mm

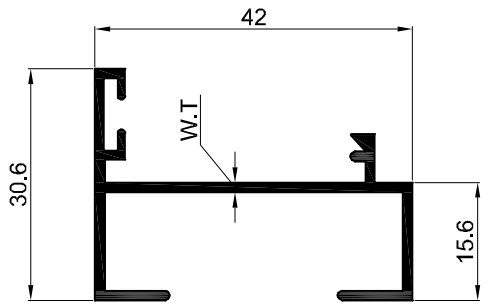


12042
(0.276 Kg/m)
W.T = 1.30 mm

42 mm HINGED DOORS & WINDOWS



15251
(0.375 Kg/m)
W.T = 0.90 mm

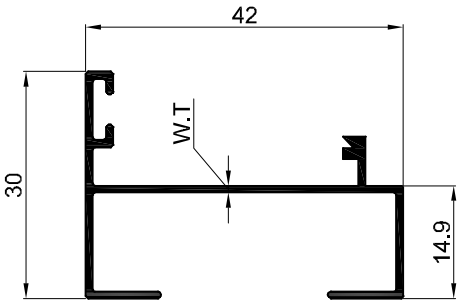


12043
(0.424 Kg/m)
W.T = 1.30 mm

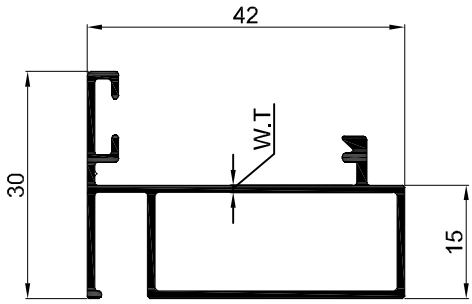
12044
(0.473 Kg/m)
W.T = 1.50 mm

12353J
(0.434 Kg/m)
W.T = 1.30 mm

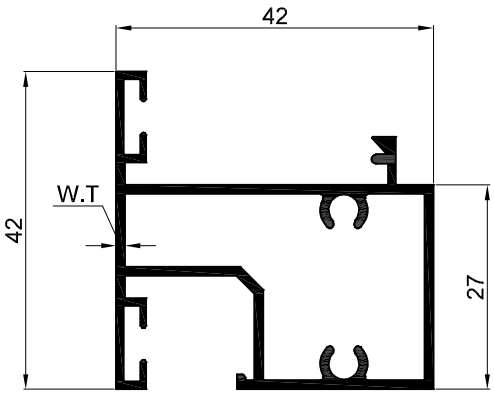
12043A
(0.365 Kg/m)
W.T = 1.10 mm



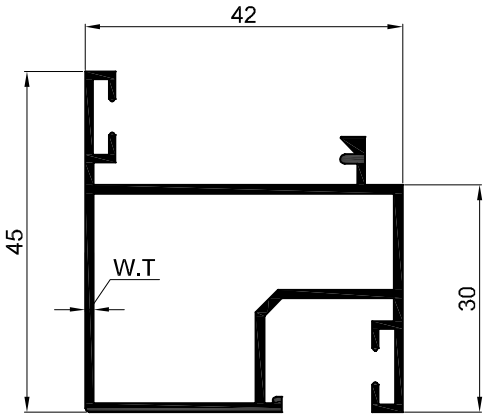
12181
(0.305 Kg/m)
W.T = 0.90 mm



15429
(0.424 Kg/m)
W.T = 1.0 mm



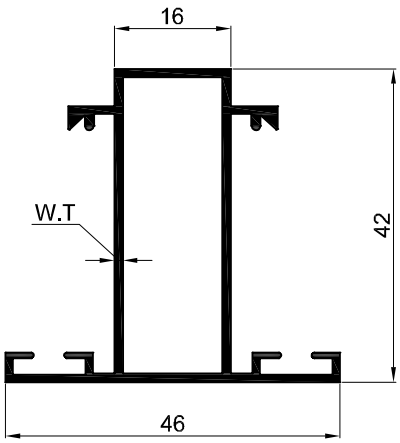
15161
(0.671 Kg/m)
W.T = 1.20 mm



15162
(0.611 Kg/m)
W.T = 1.15 mm

15162A
(0.598 Kg/m)
W.T = 1.10 mm

42 mm HINGED DOORS & WINDOWS

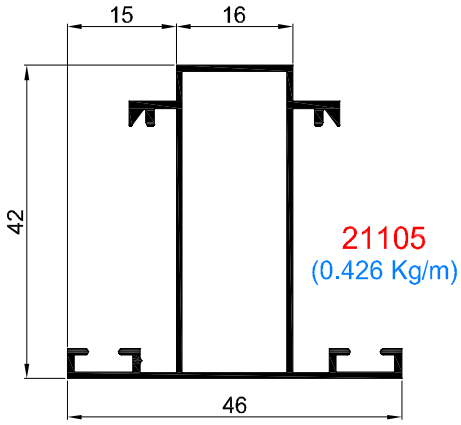


15058A (0.475 Kg/m) W.T = 0.90 mm

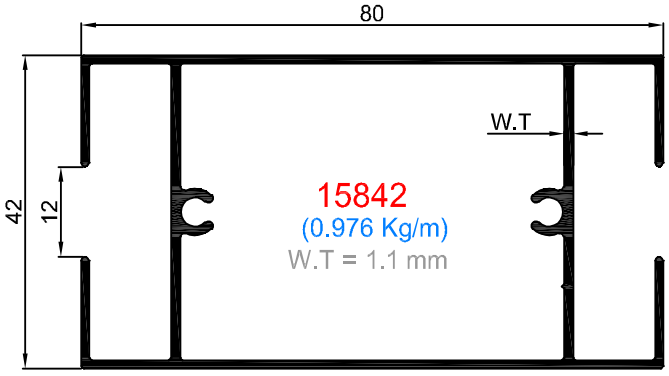
15058B (0.451 Kg/m) W.T = 0.85 mm

15058 (0.552 Kg/m) W.T = 1.15 mm

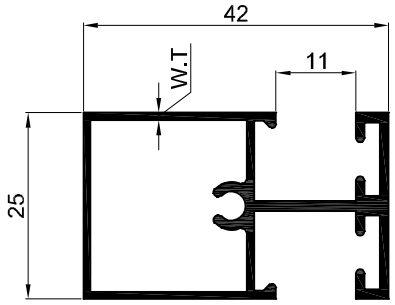
15477J (0.641 Kg/m) W.T = 1.30 mm



21105 (0.426 Kg/m)

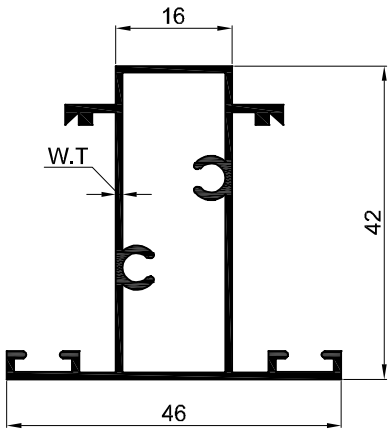


15842 (0.976 Kg/m) W.T = 1.1 mm



15033A (0.521 Kg/m) W.T = 1.0 mm

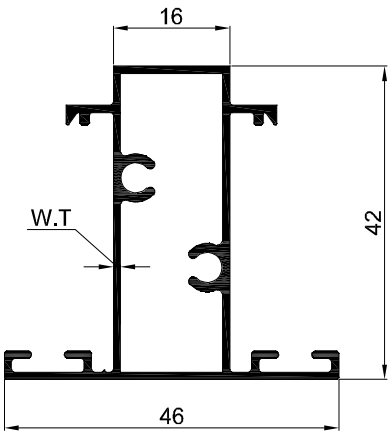
21106 (0.417 Kg/m)



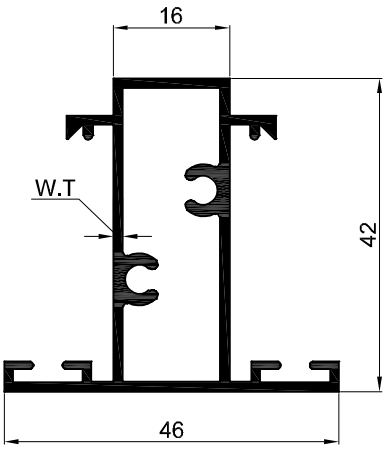
15327 (0.570 Kg/m) W.T = 1.0 mm

15282 (0.549 Kg/m) W.T = 1.0 mm

15242 (0.519 Kg/m) W.T = 0.90 mm

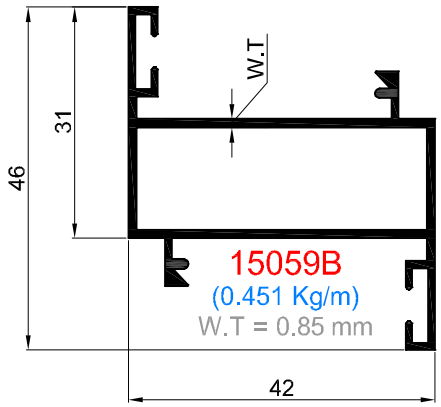


15190 (0.568 kg/m) W.T = 1.00 mm



15036 (0.712 Kg/m) W.T = 1.30 mm

42 mm HINGED DOORS & WINDOWS

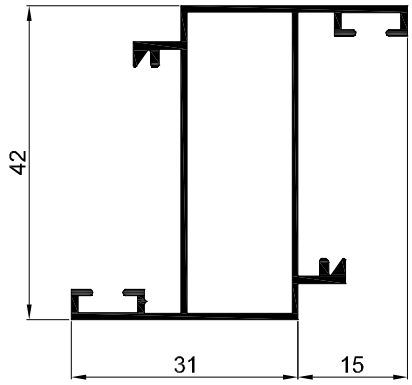


15059B
(0.451 Kg/m)
W.T = 0.85 mm

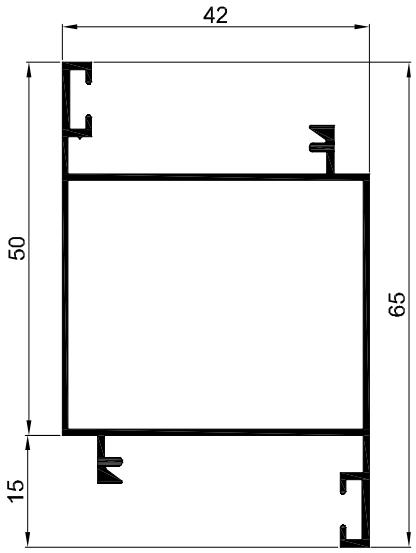
15059
(0.552 Kg/m)
W.T = 1.15 mm

15059A
(0.475 Kg/m)
W.T = 0.90 mm

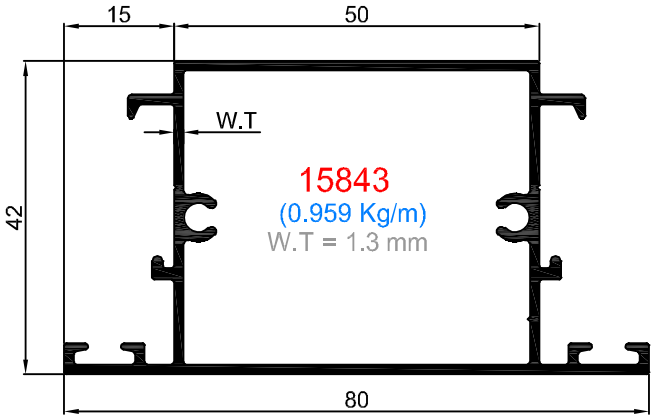
15478J
(0.641 Kg/m)
W.T =1.30 mm



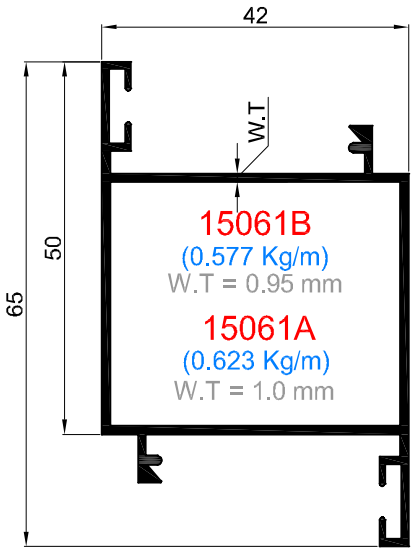
21103
(0.426 Kg/m)



21102
(0.516 Kg/m)



15843
(0.959 Kg/m)
W.T = 1.3 mm



15061B
(0.577 Kg/m)
W.T = 0.95 mm

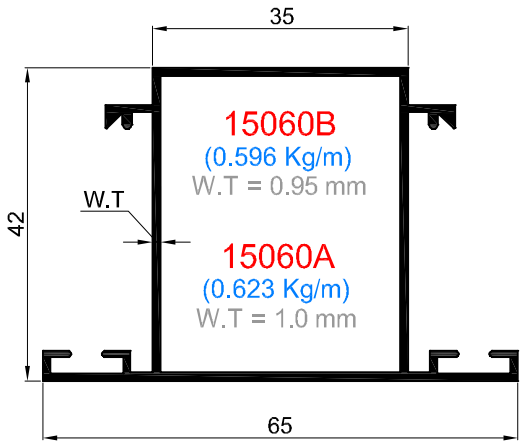
15061A
(0.623 Kg/m)
W.T = 1.0 mm

15061
(0.670 Kg/m)
W.T = 1.15 mm

15480J
(0.775 Kg/m)
W.T = 1.30 mm

15044
(0.842 Kg/m)
W.T = 1.50 mm

15321
(0.962 Kg/m)
W.T = 1.80 mm



15060B
(0.596 Kg/m)
W.T = 0.95 mm

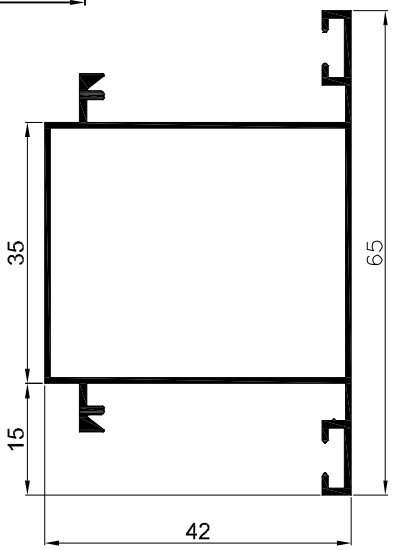
15060A
(0.623 Kg/m)
W.T = 1.0 mm

15060
(0.670 Kg/m)
W.T = 1.15 mm

15479J
(0.775 Kg/m)
W.T = 1.30 mm

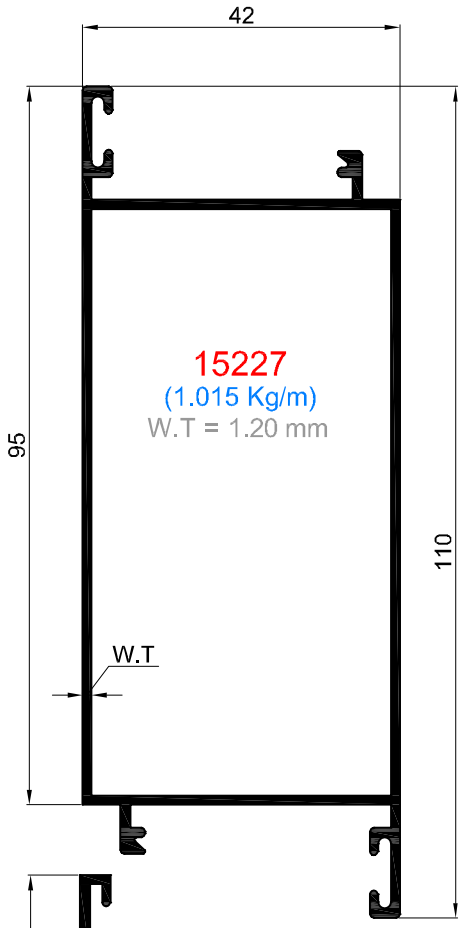
15042
(0.842 Kg/m)
W.T = 1.50 mm

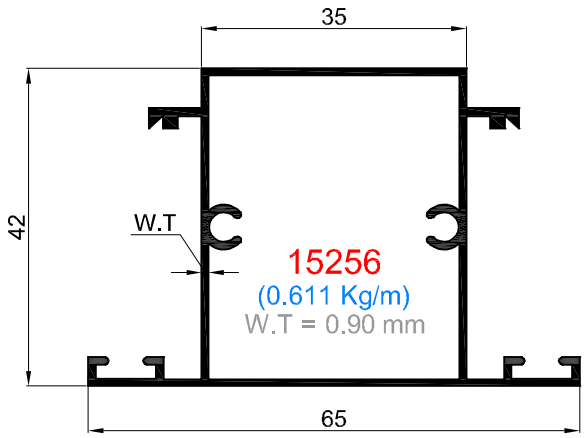
15320
(0.962 Kg/m)
W.T = 1.80 mm

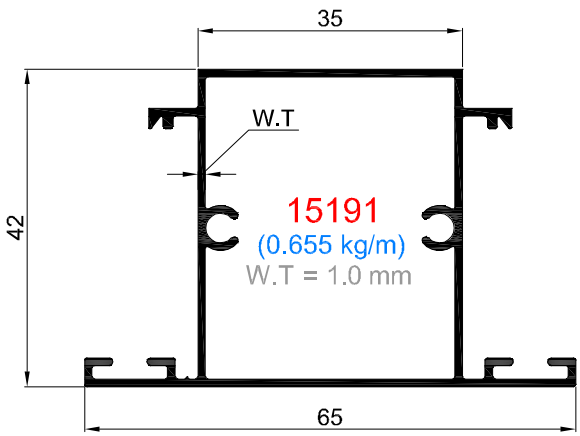


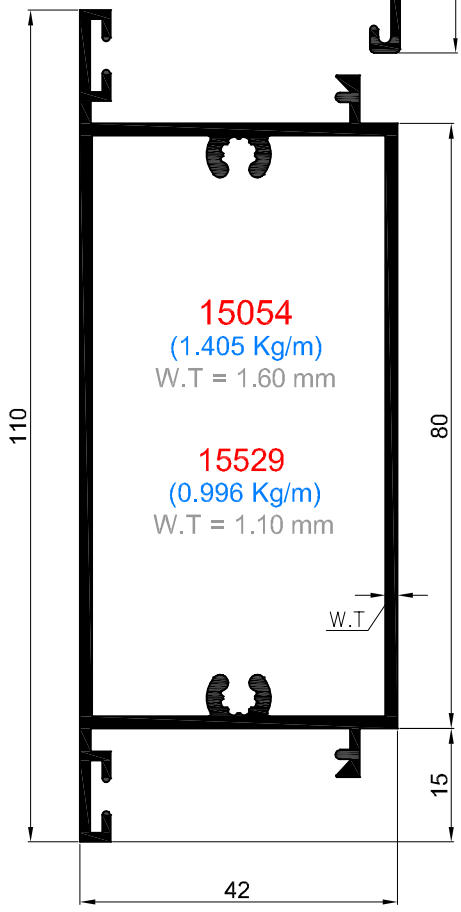
21104
(0.516 Kg/m)

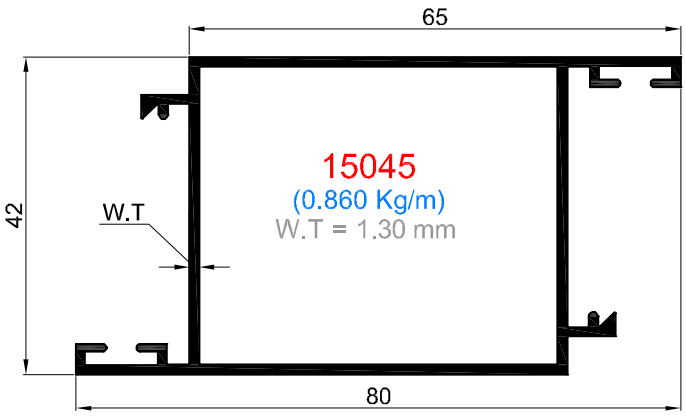
42 mm HINGED DOORS & WINDOWS

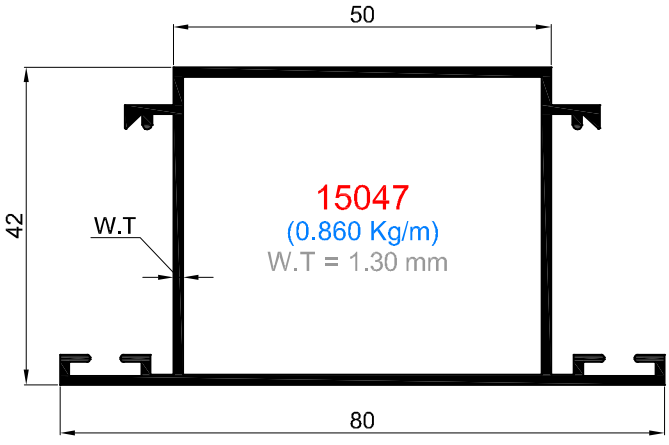




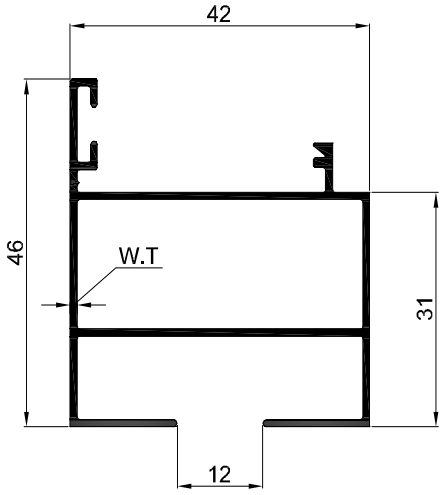




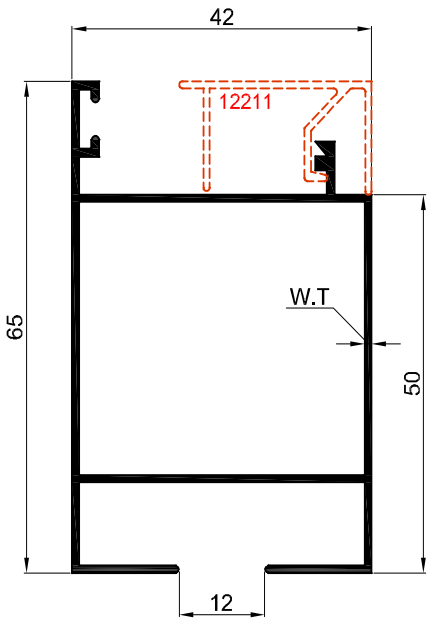




42 mm HINGED DOORS & WINDOWS

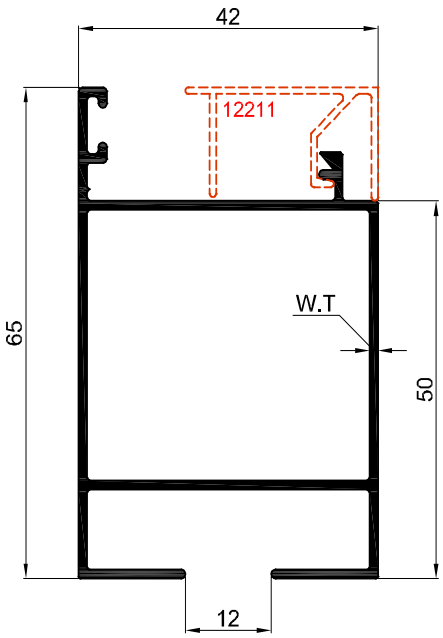


15193
(0.532 kg/m)
W.T = 0.95 mm



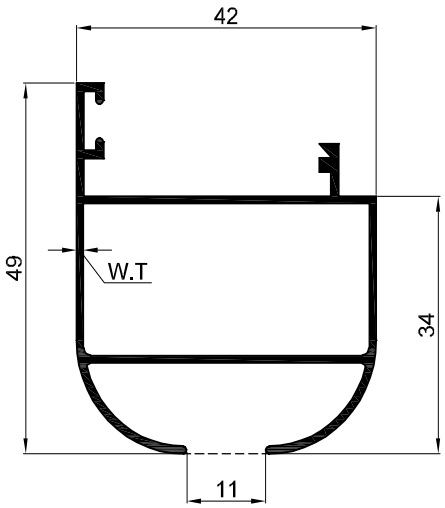
15252
(0.633 Kg/m)
W.T = 0.95 mm

15252A
(0.600 Kg/m)
W.T = 0.90 mm

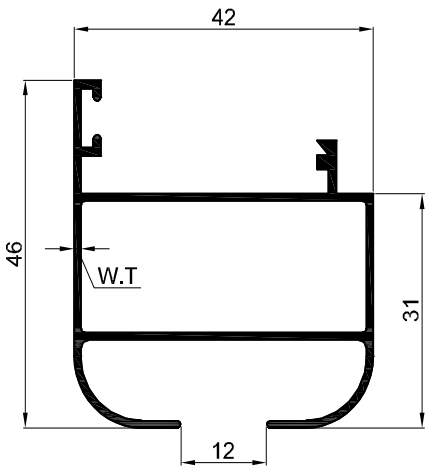


15239
(0.657 Kg/m)
W.T = 1.0 mm

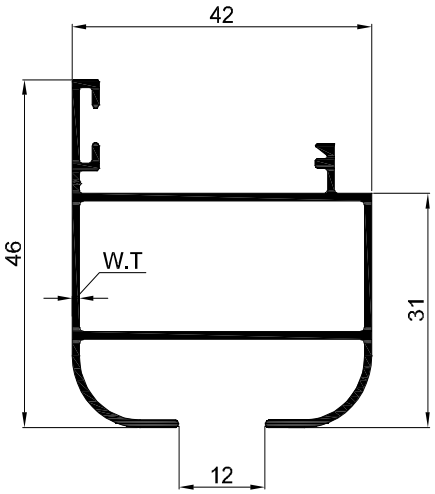
15418
(0.778 Kg/m)
W.T = 1.20 mm



15253
(0.522 Kg/m)
W.T = 0.95 mm

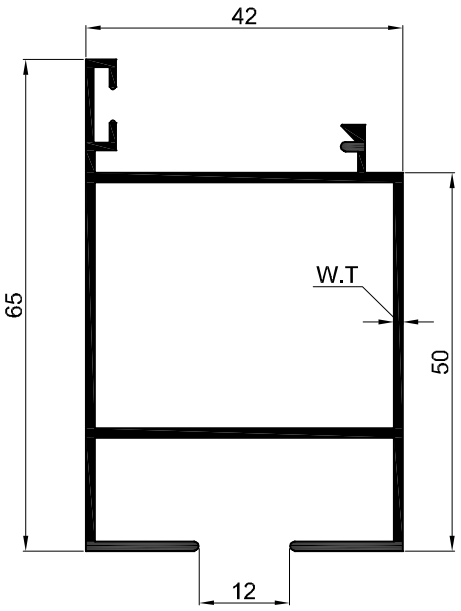


15293
(0.538 Kg/m)
W.T = 1.0 mm

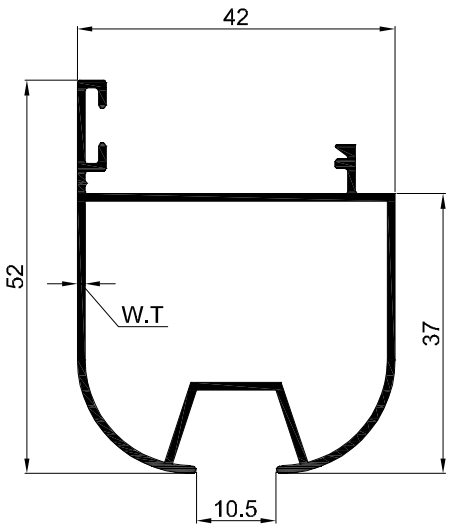


15192
(0.537 kg/m)
W.T = 1.0 mm

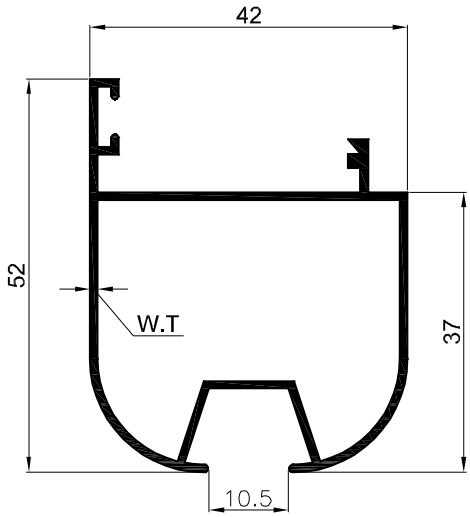
42 mm HINGED DOORS & WINDOWS



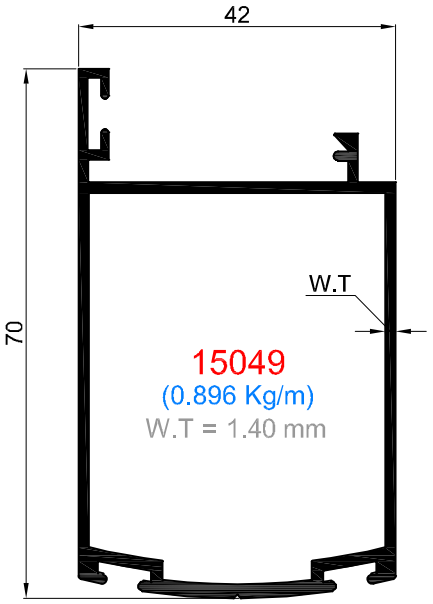
15160
(0.801 Kg/m)
W.T = 1.25 mm



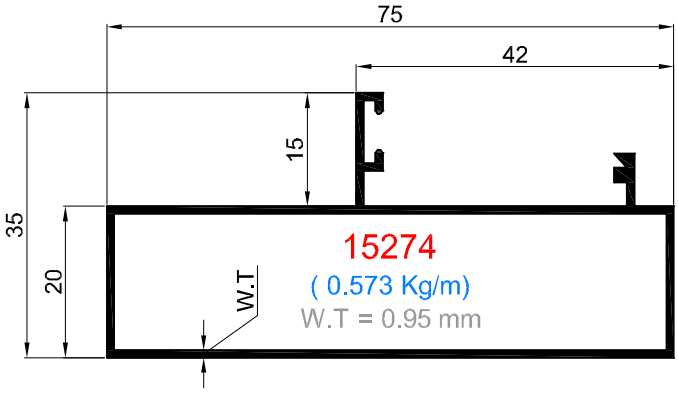
15052
(0.540 kg/m)
W.T = 1.0 mm



15281
(0.540 Kg/m)
W.T = 1.0 mm

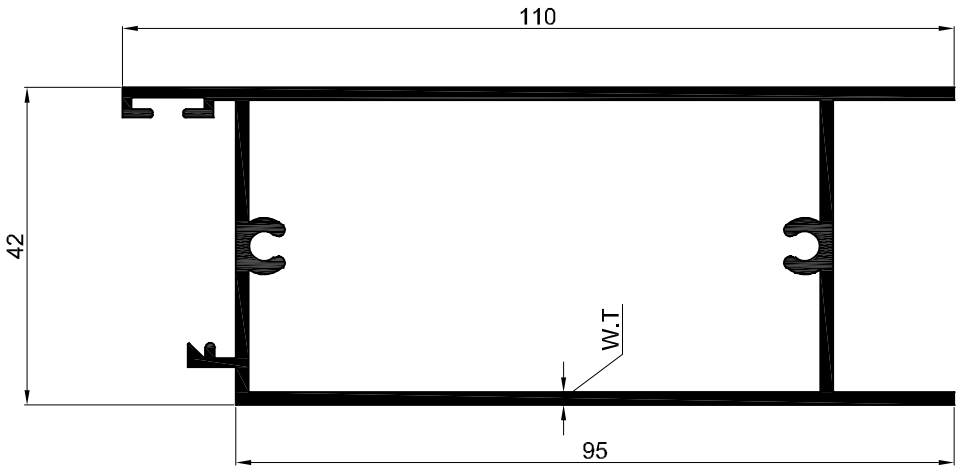


15049
(0.896 Kg/m)
W.T = 1.40 mm

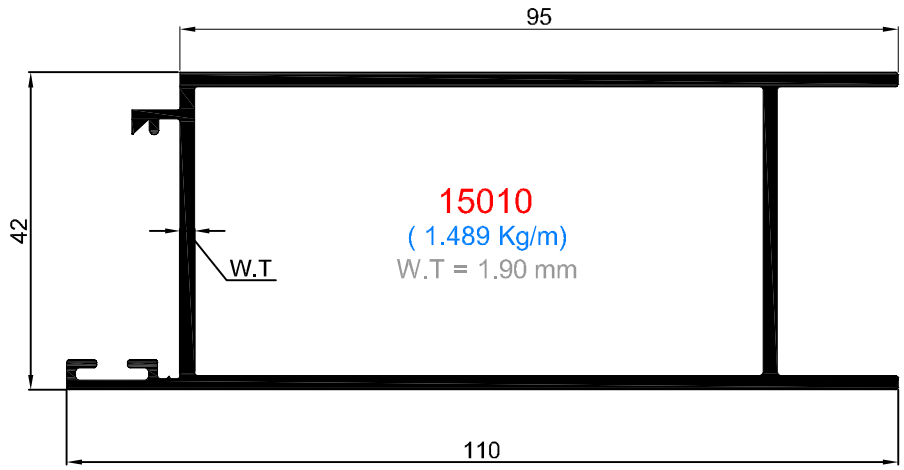


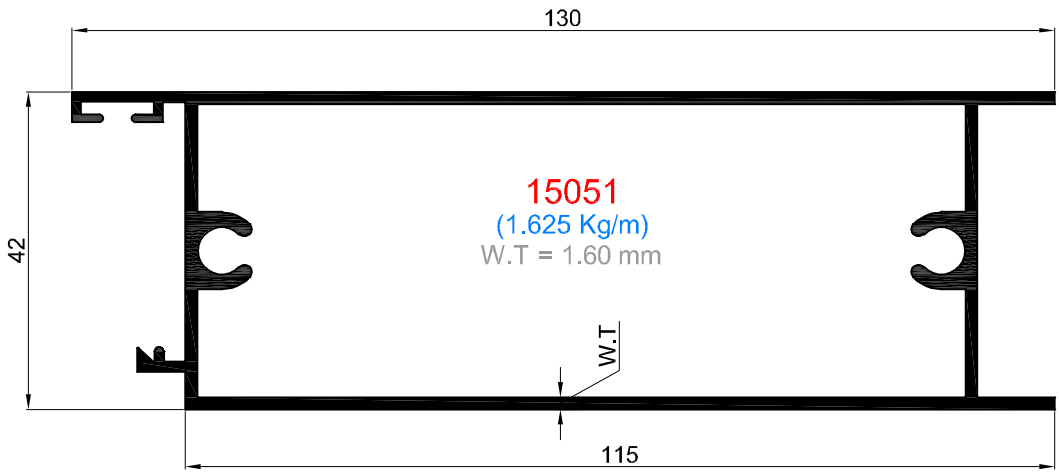
15274
(0.573 Kg/m)
W.T = 0.95 mm

42 mm HINGED DOORS & WINDOWS

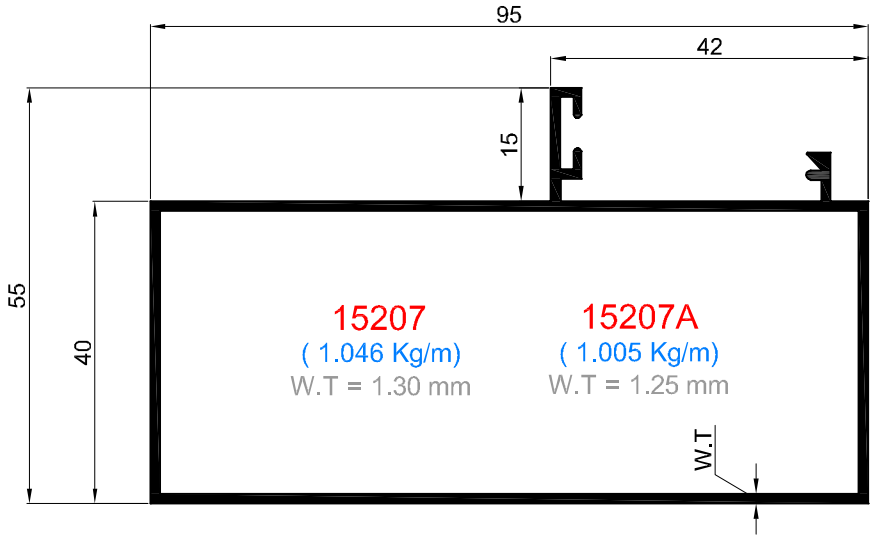


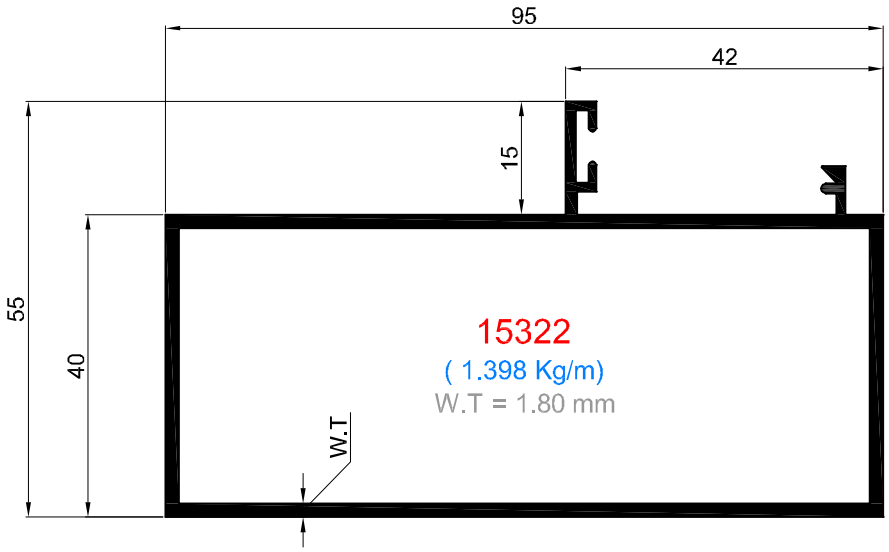
15324	15053	15055	15053A	15053B
(1.450 Kg/m)	(1.413 Kg/m)	(1.190 Kg/m)	(1.102 Kg/m)	(1.028 Kg/m)
W.T = 1.70 mm	W.T = 1.60 mm	W.T = 1.30 mm	W.T = 1.25 mm	W.T = 1.15 mm

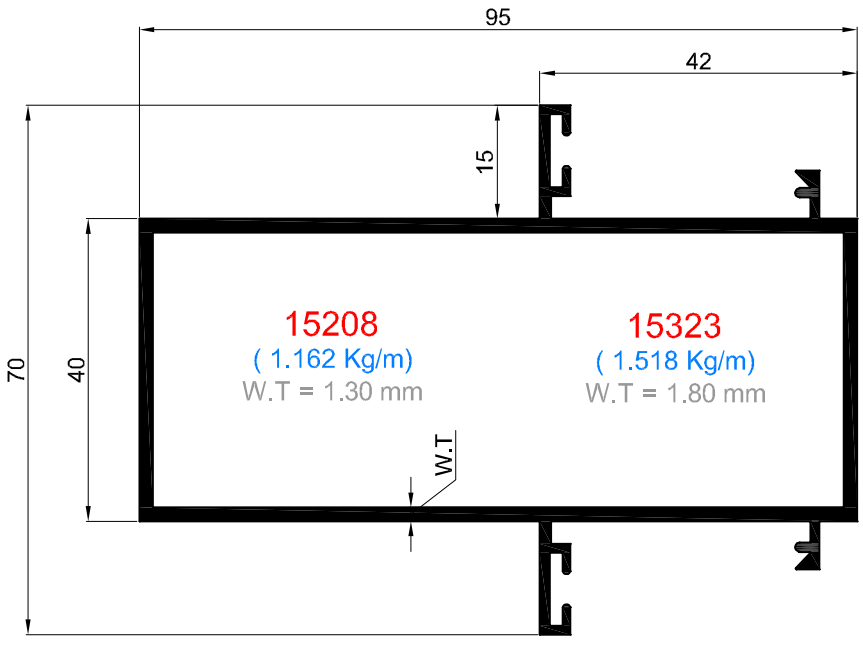




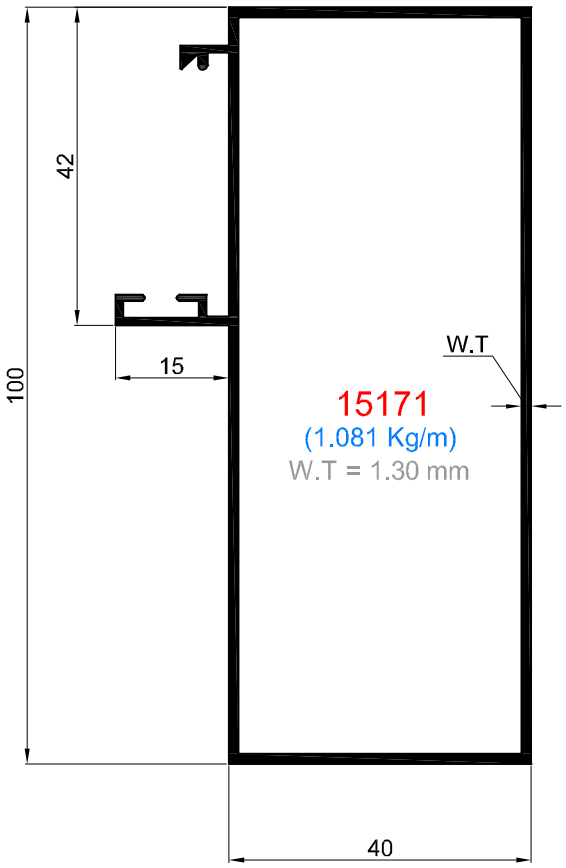
42 mm HINGED DOORS & WINDOWS

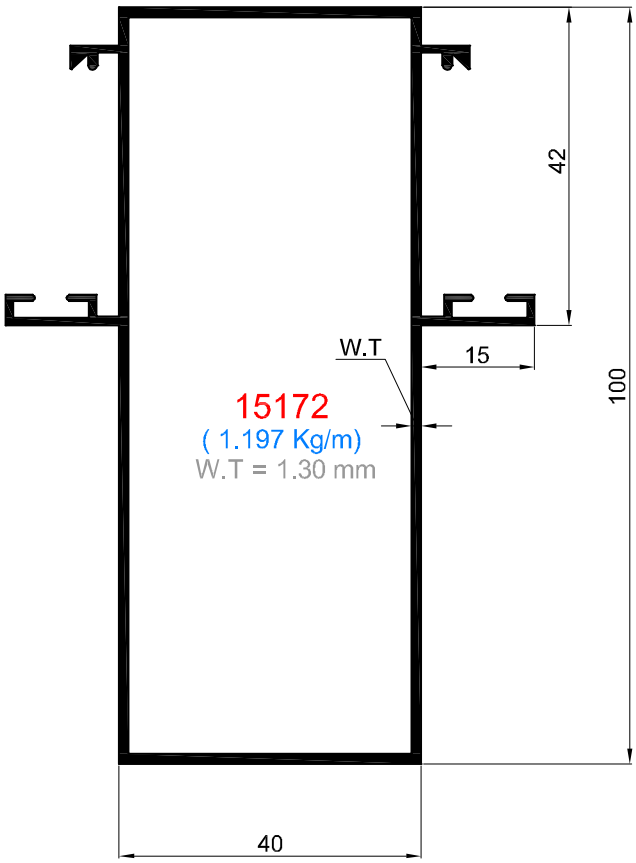




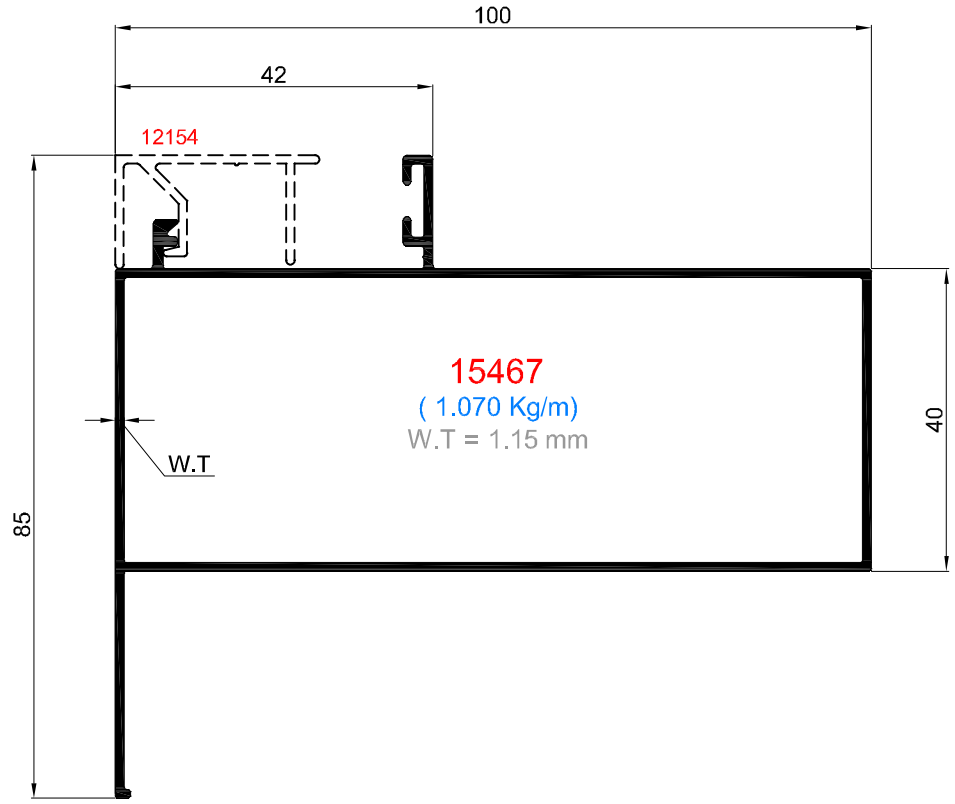


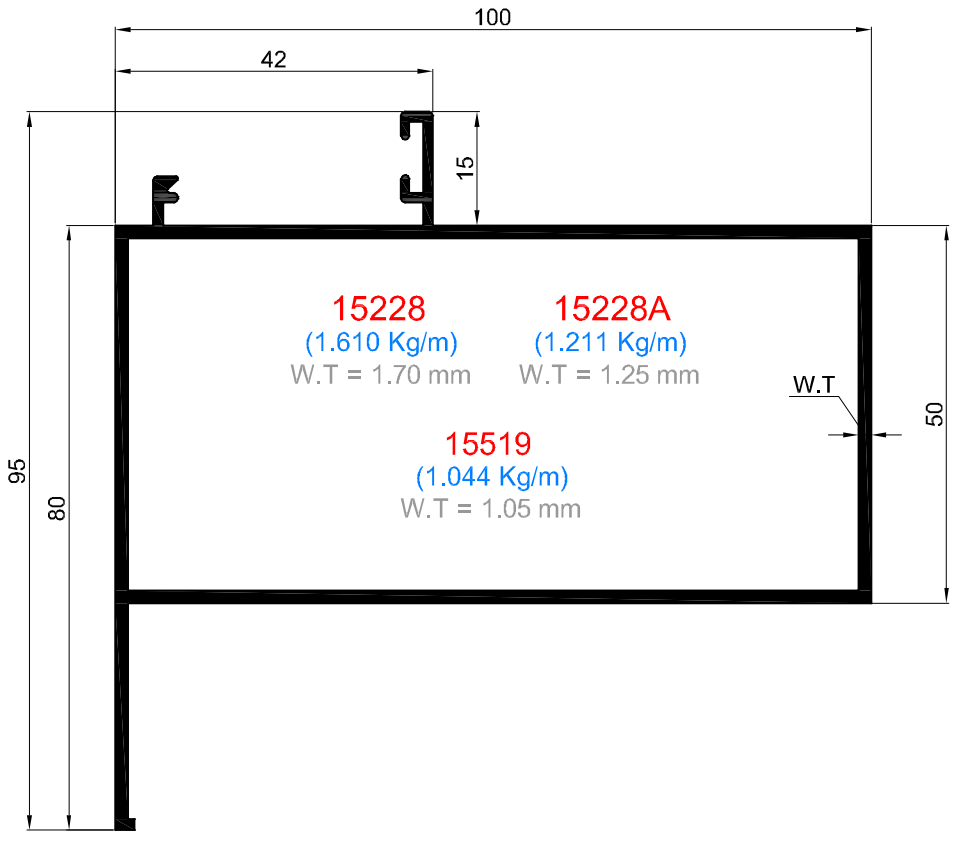
42 mm HINGED DOORS & WINDOWS



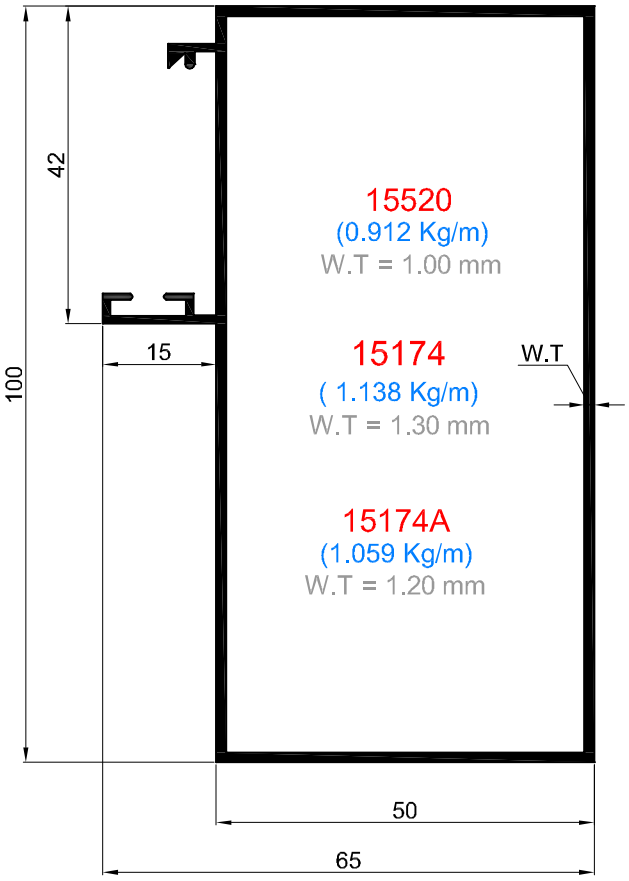


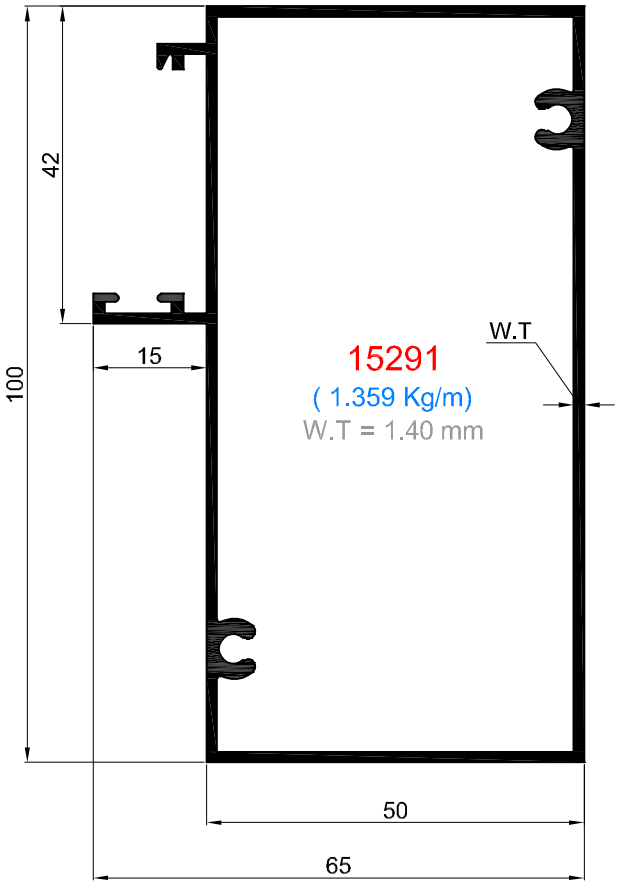
42 mm HINGED DOORS & WINDOWS

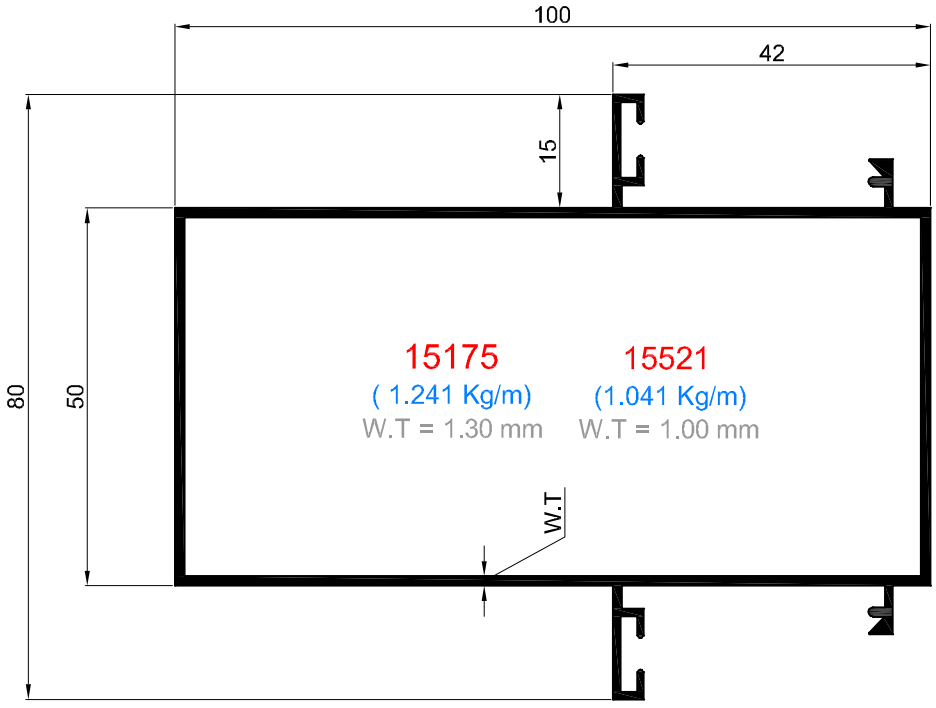




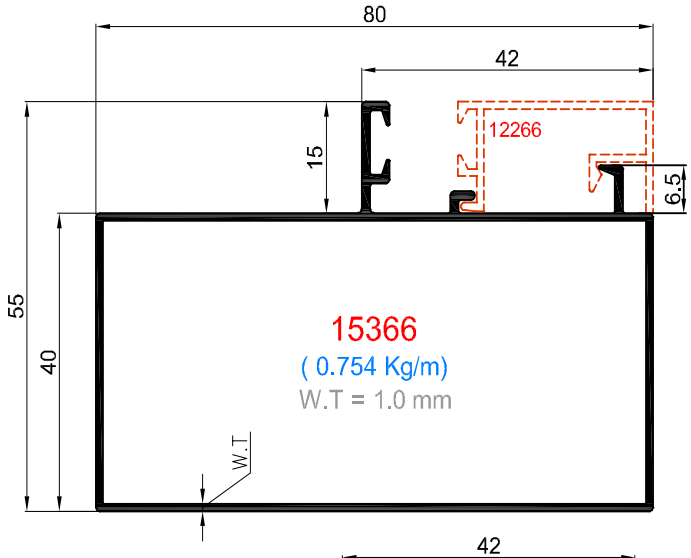
42 mm HINGED DOORS & WINDOWS



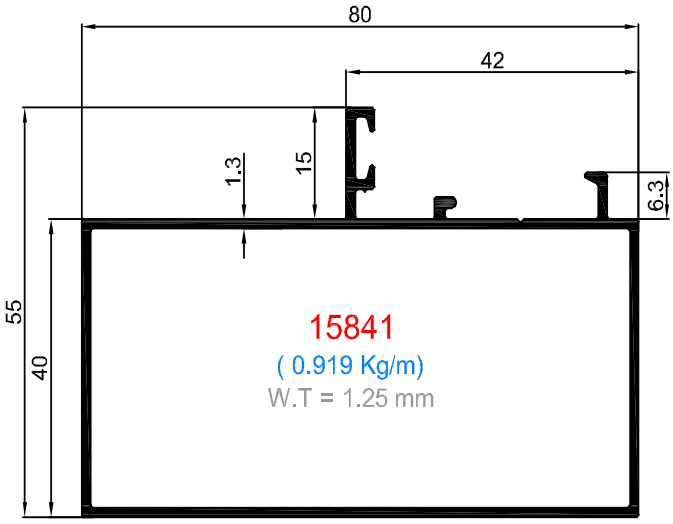




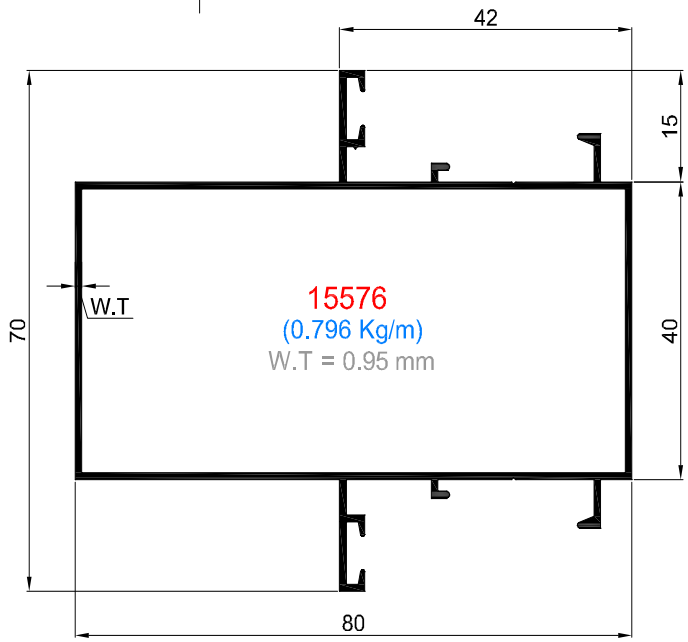
42 mm HINGED DOORS & WINDOWS



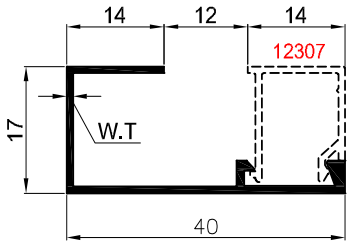
15366
(0.754 Kg/m)
W.T = 1.0 mm



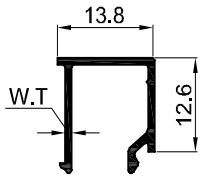
15841
(0.919 Kg/m)
W.T = 1.25 mm



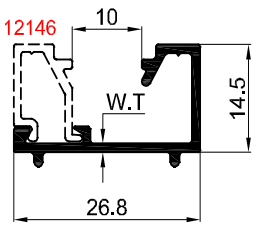
15576
(0.796 Kg/m)
W.T = 0.95 mm



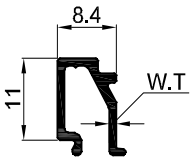
12192
(0.208 Kg/m)
W.T = 0.95 mm



12307
(0.116 Kg/m)
W.T = 0.90 mm

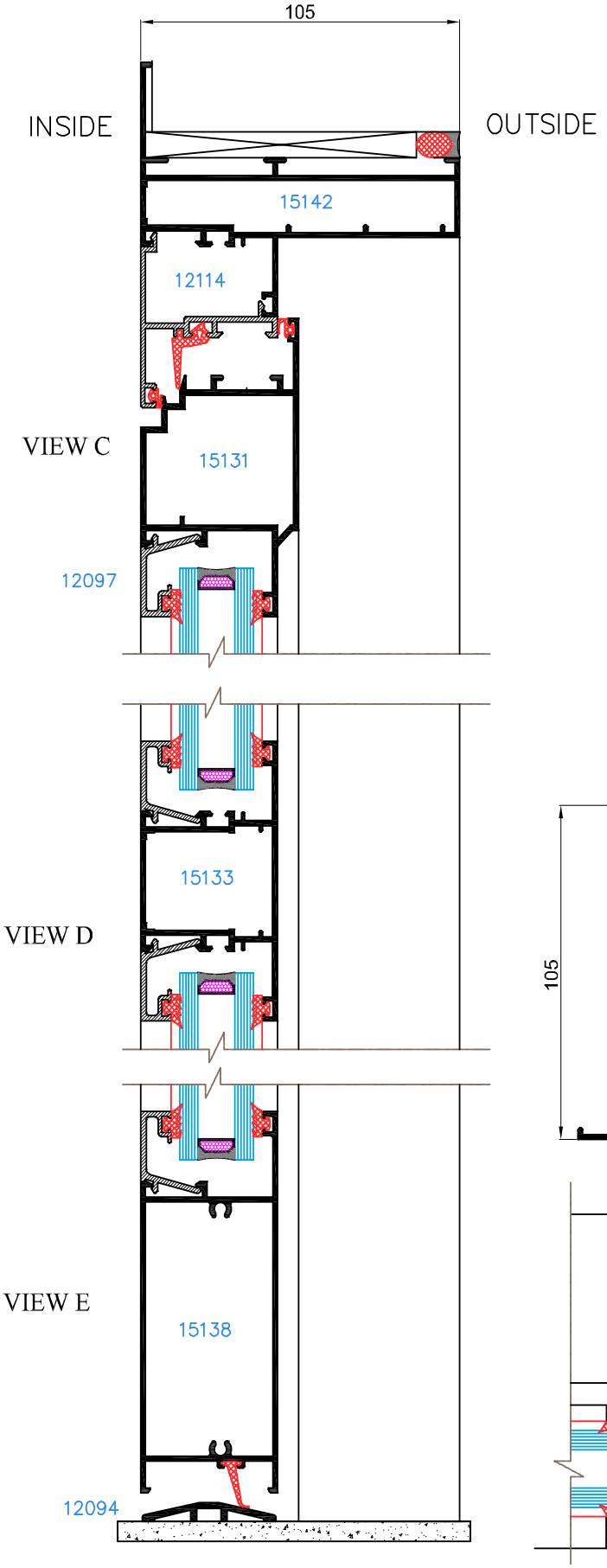


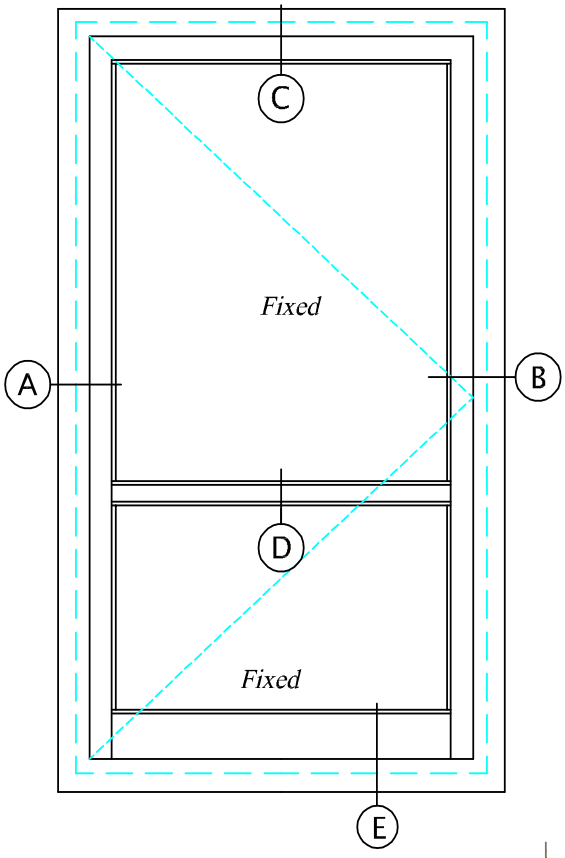
12145
(0.201 Kg/m)
W.T = 1.20 mm

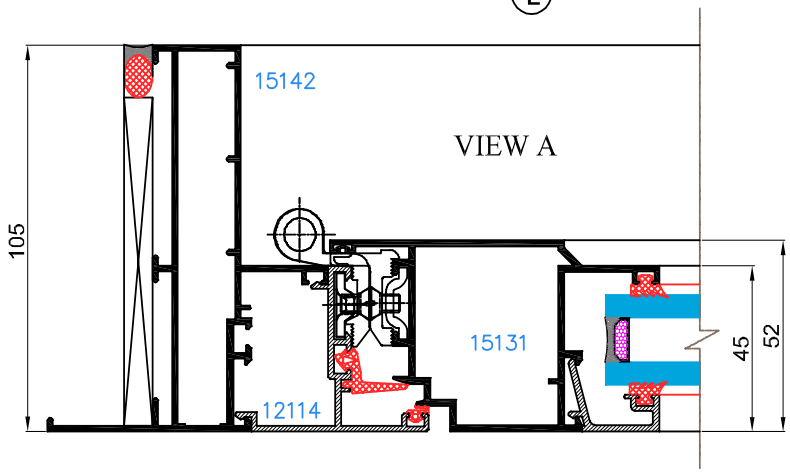


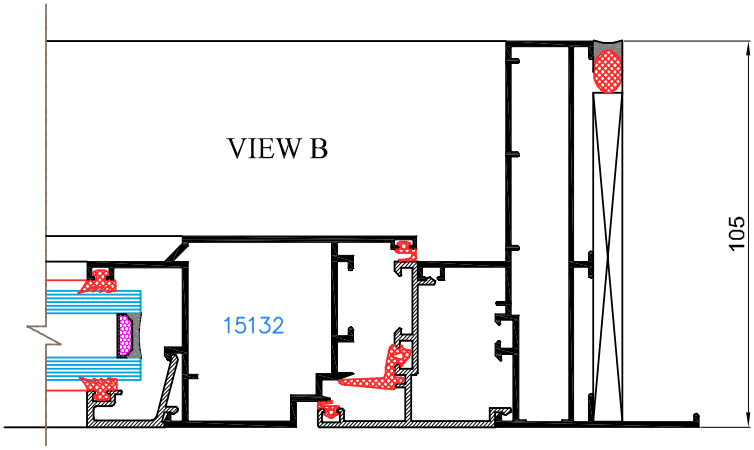
12146
(0.103 Kg/m)
W.T = 1.0 mm

45 mm HINGED DOORS OPENING OUTSIDE





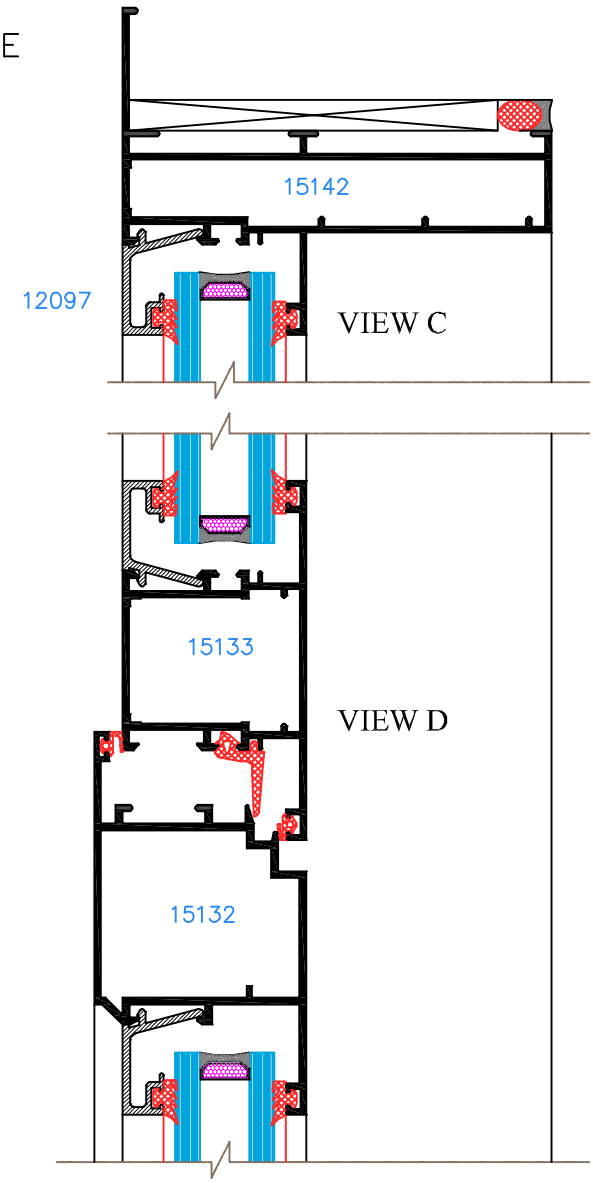


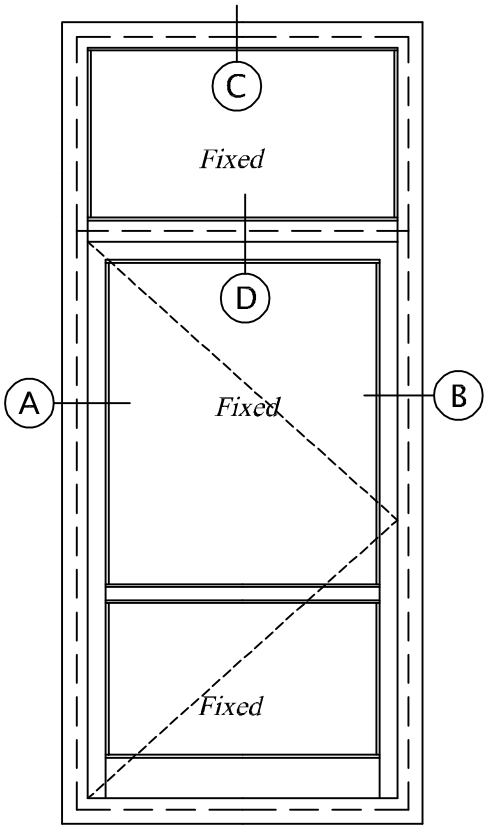


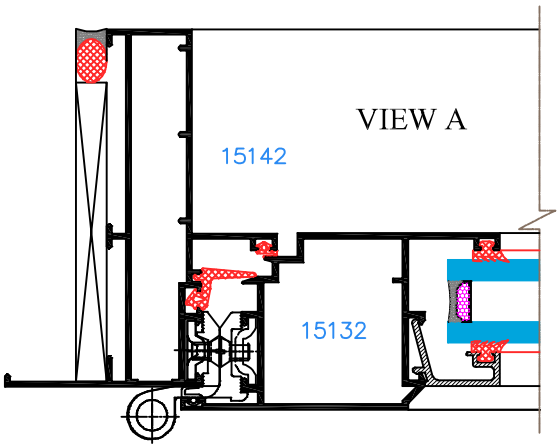
45 mm HINGED DOORS OPENING INSIDE

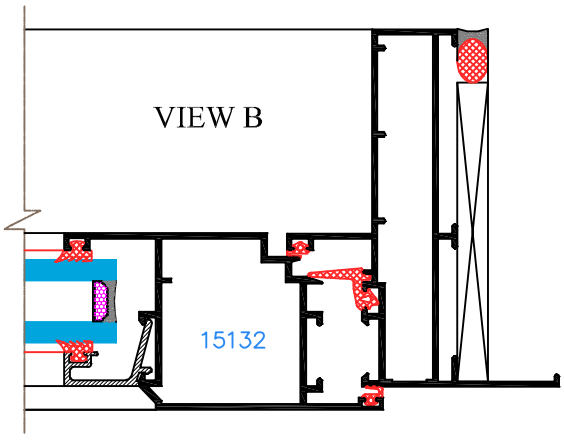
INSIDE

OUTSIDE

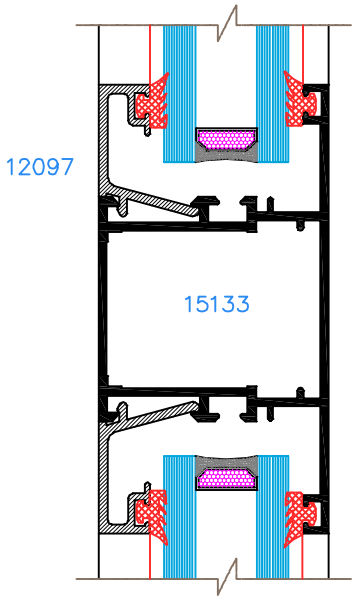




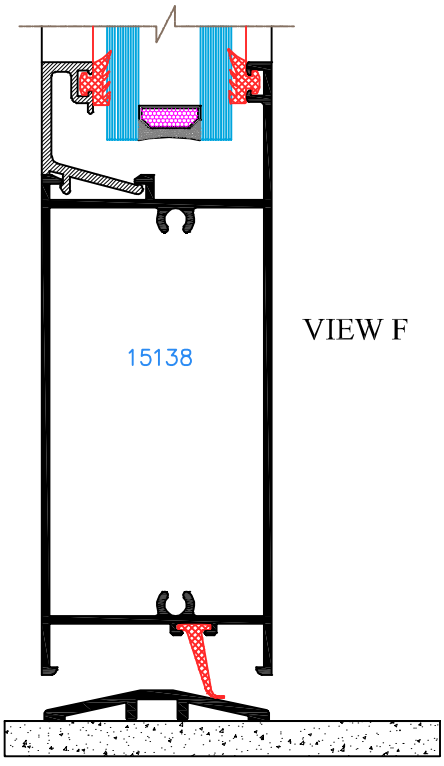




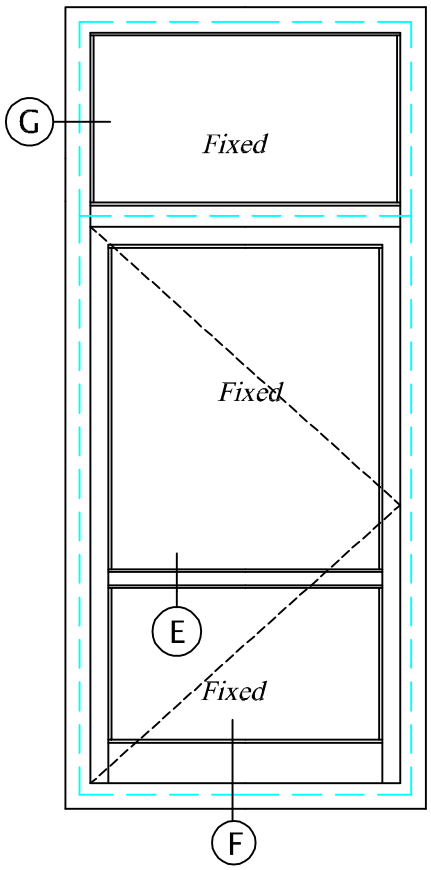
45 mm HINGED DOORS OPENING INSIDE

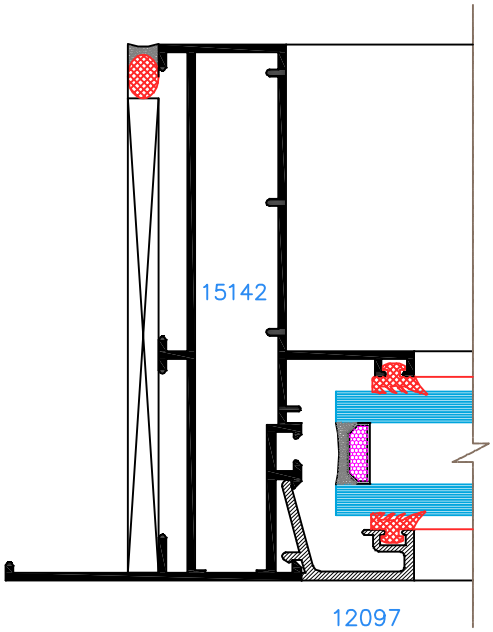


VIEW E



VIEW F

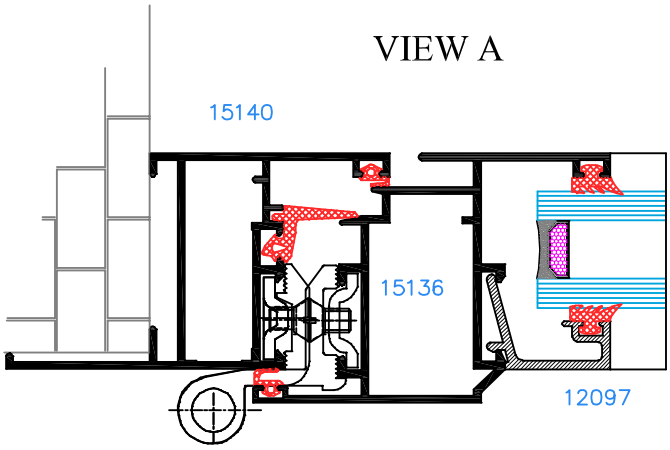


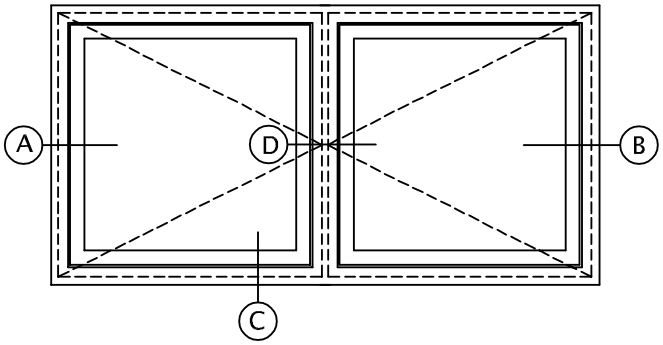


VIEW G

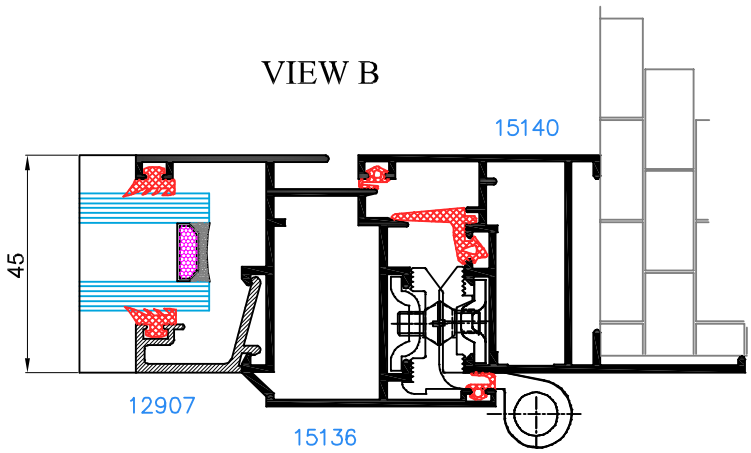
45 mm DOUBLE LEAF HINGED WINDOWS

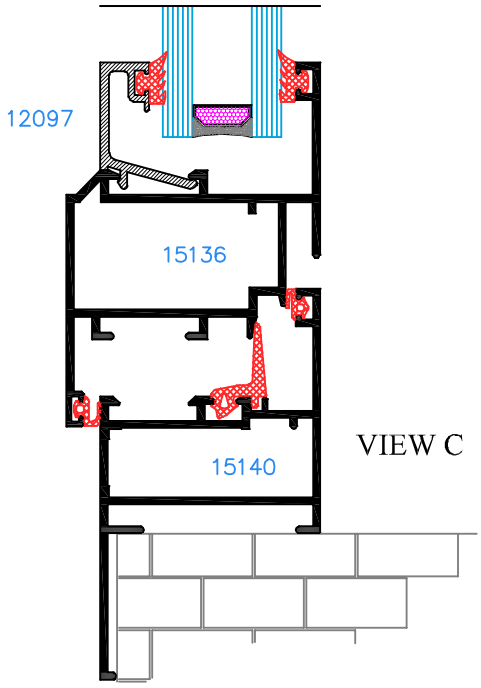
VIEW A





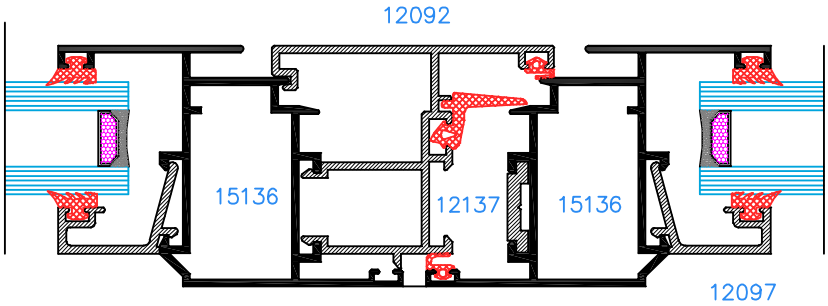
VIEW B



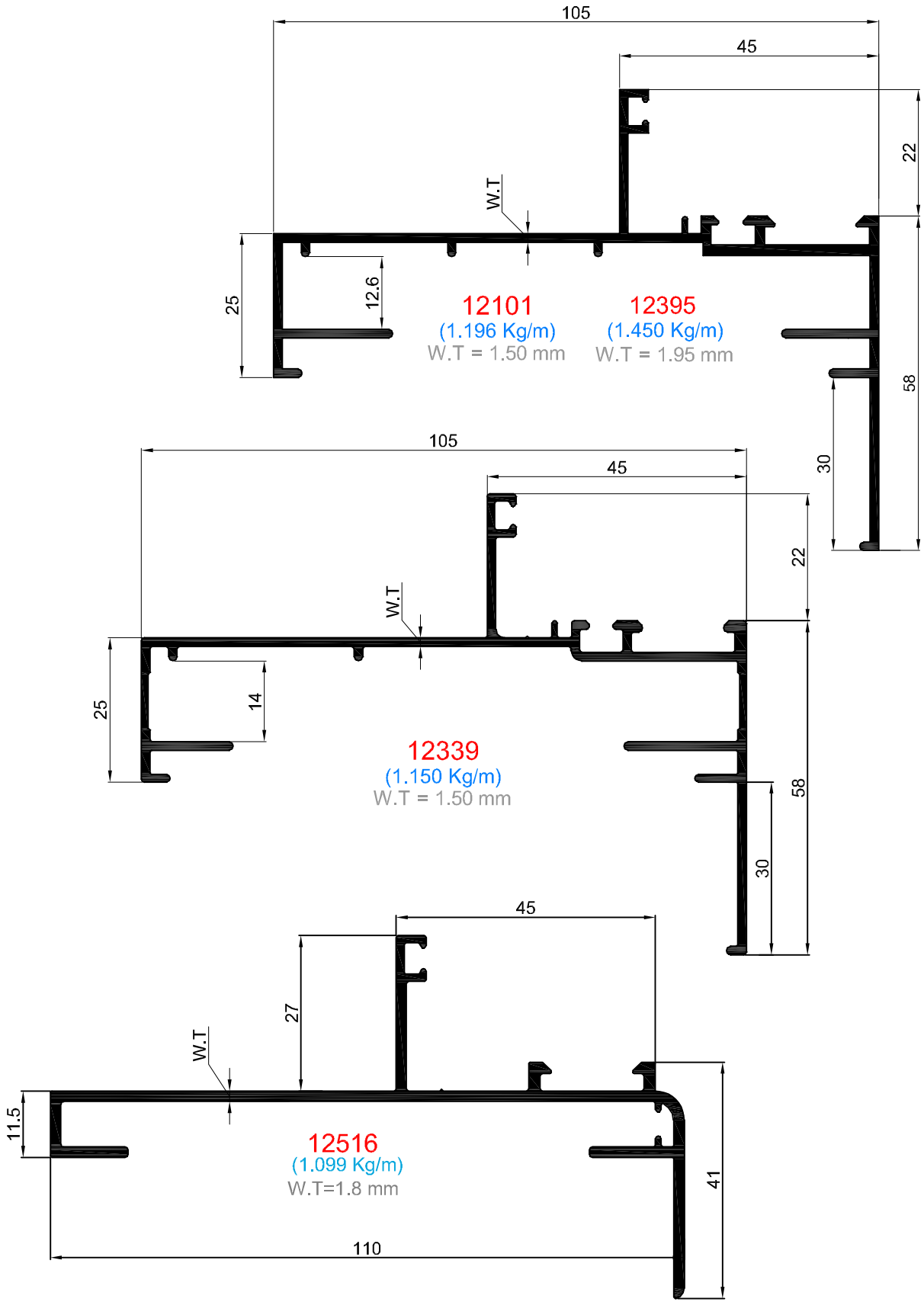


VIEW C

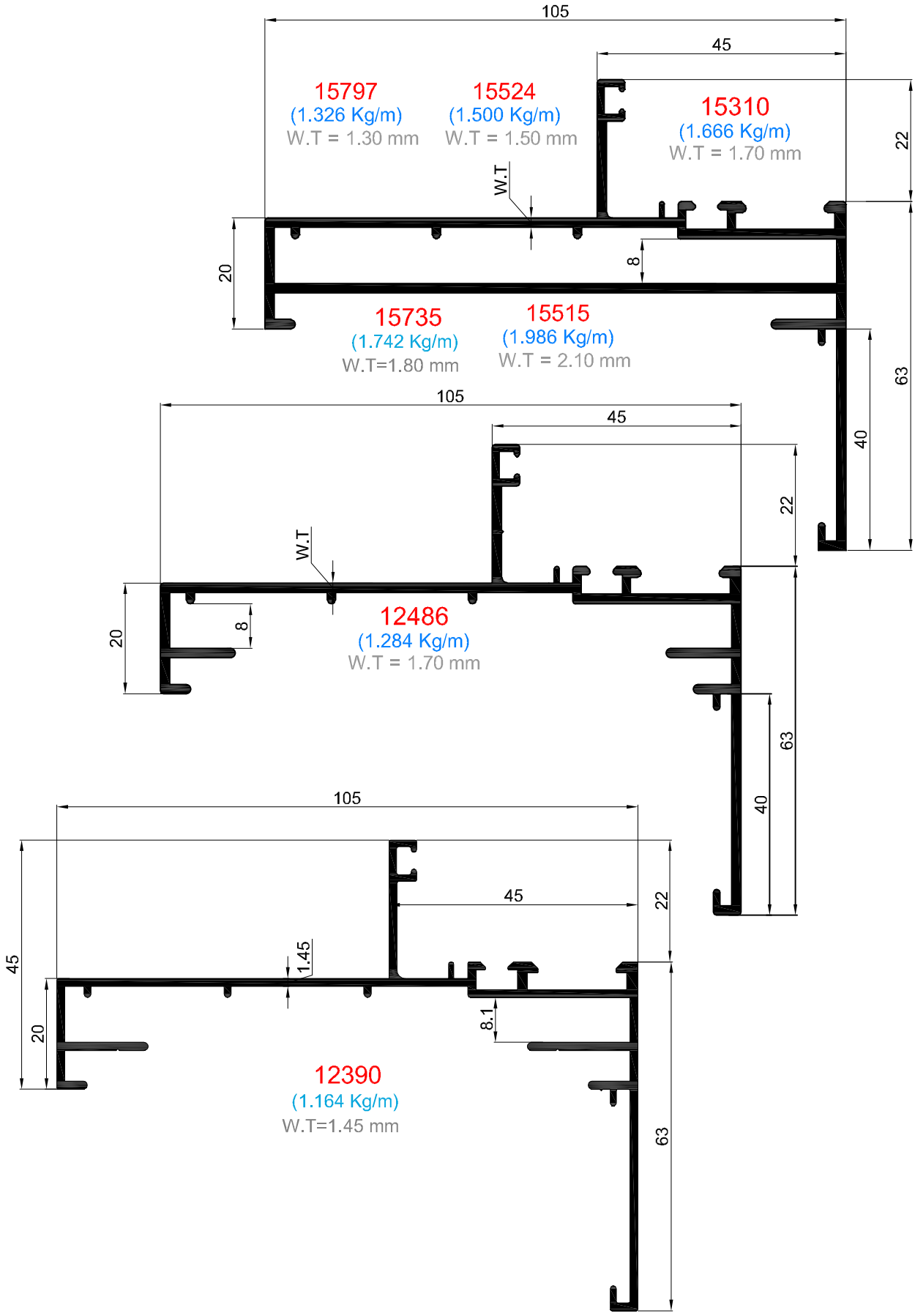
VIEW D



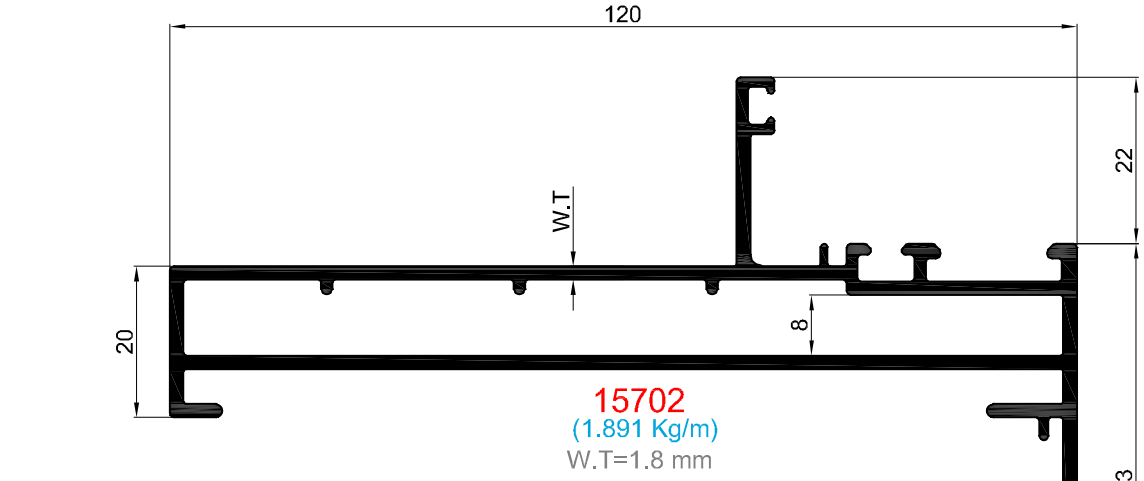
45 mm HINGED DOORS & WINDOWS



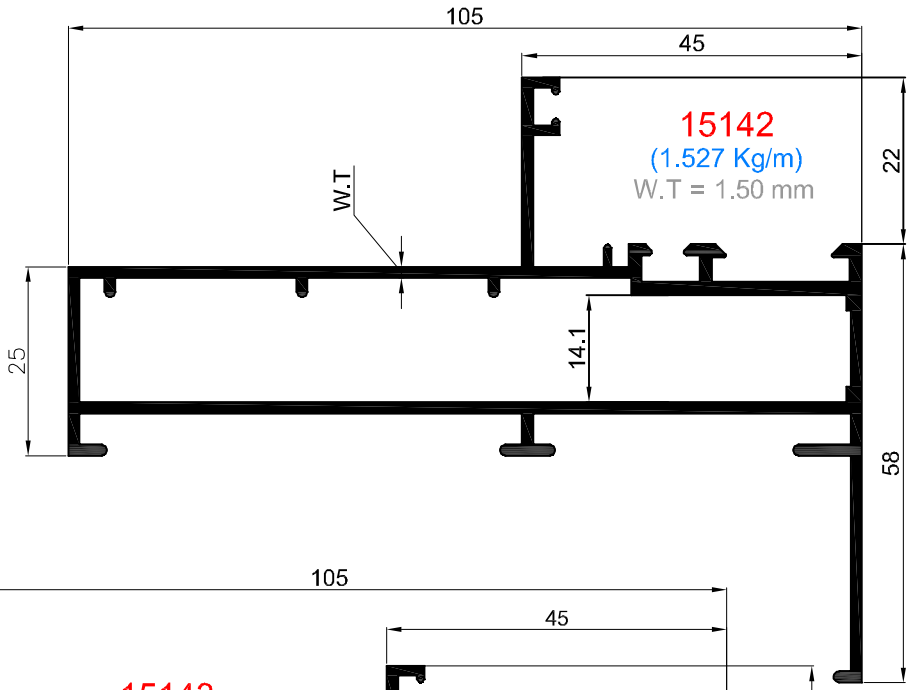
45 mm HINGED DOORS & WINDOWS



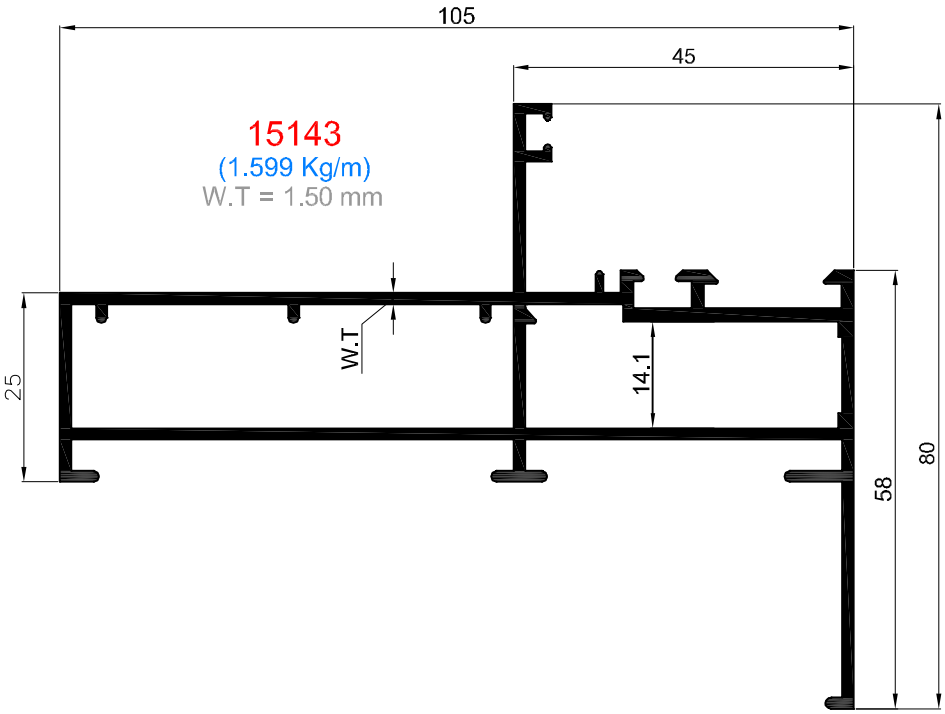
45 mm HINGED DOORS & WINDOWS



15702
(1.891 Kg/m)
W.T=1.8 mm

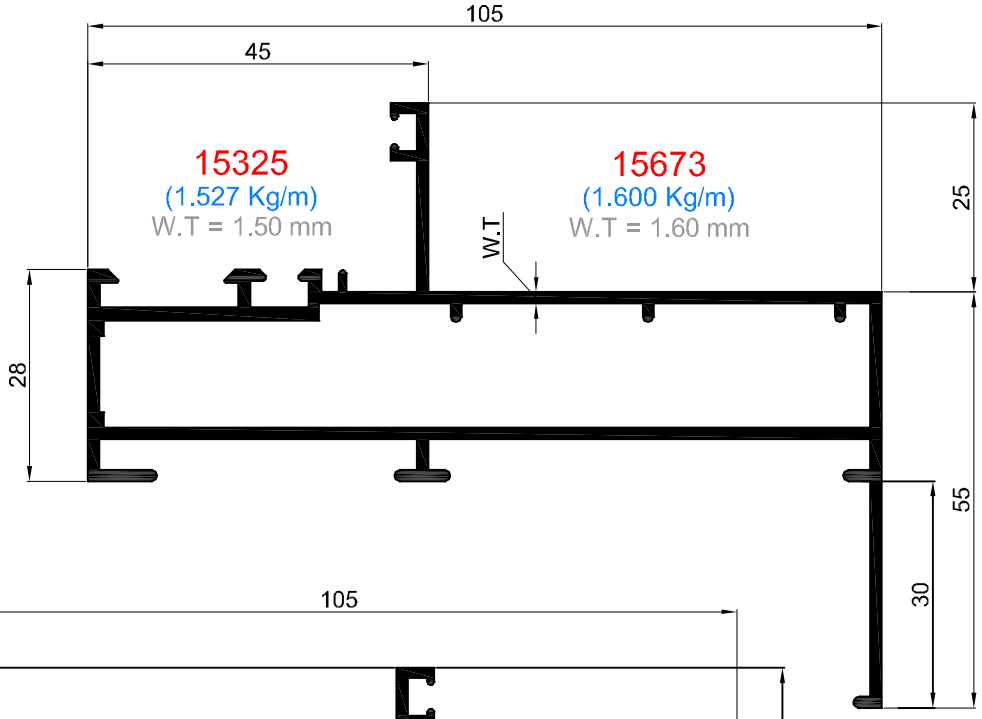


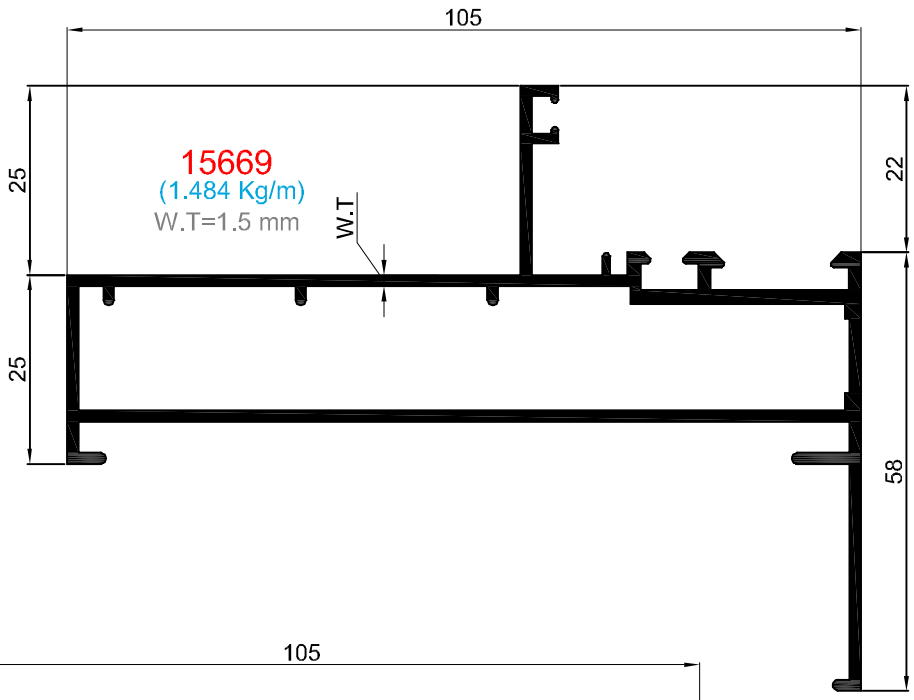
15142
(1.527 Kg/m)
W.T = 1.50 mm

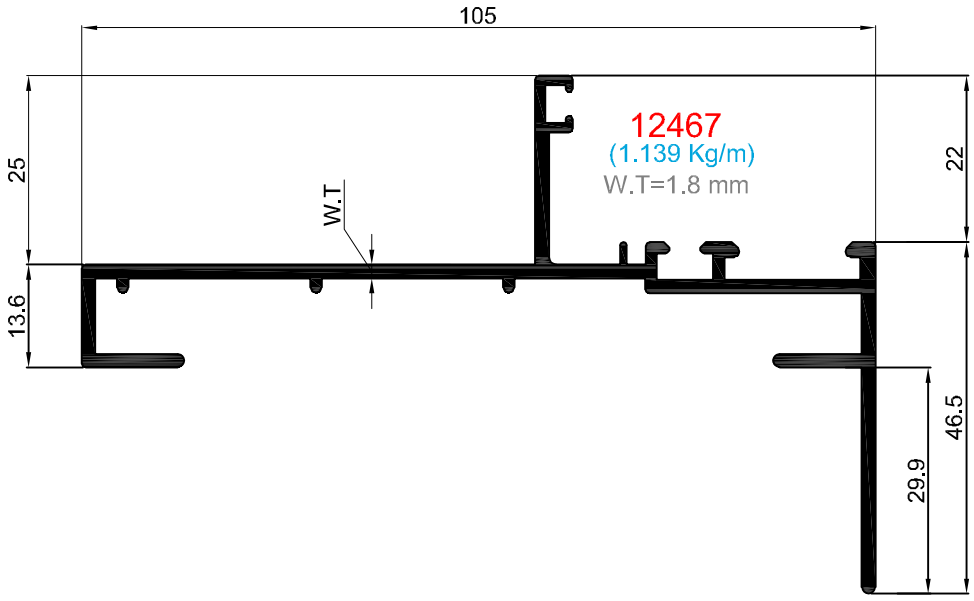


15143
(1.599 Kg/m)
W.T = 1.50 mm

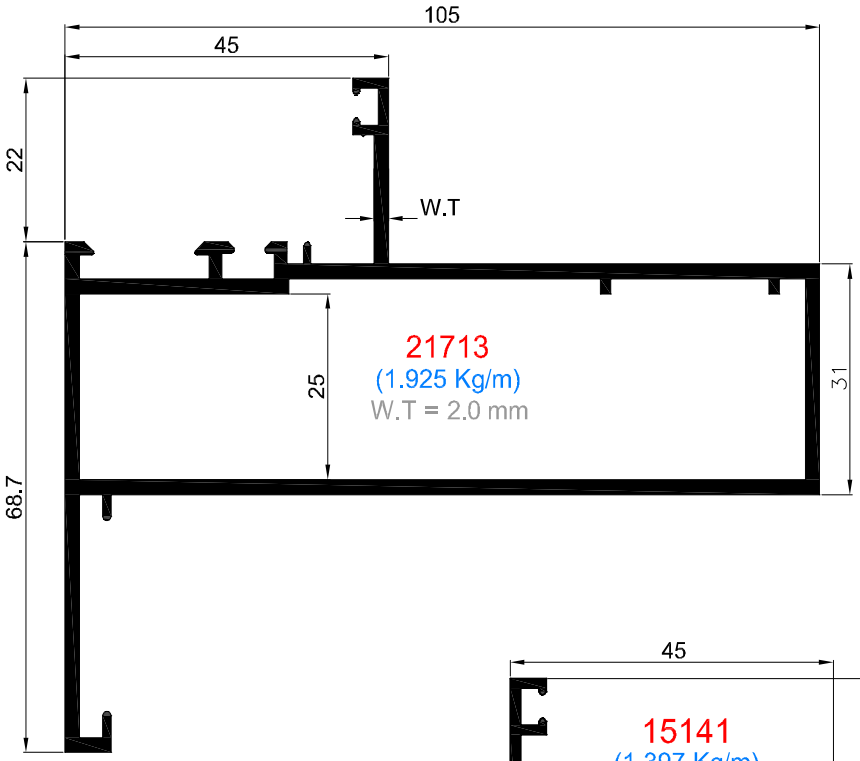
45 mm HINGED DOORS & WINDOWS



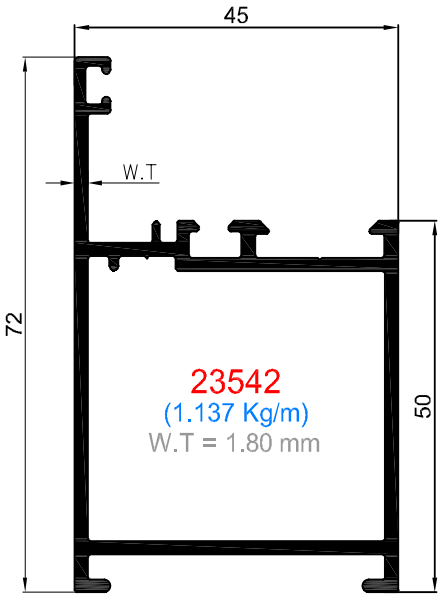




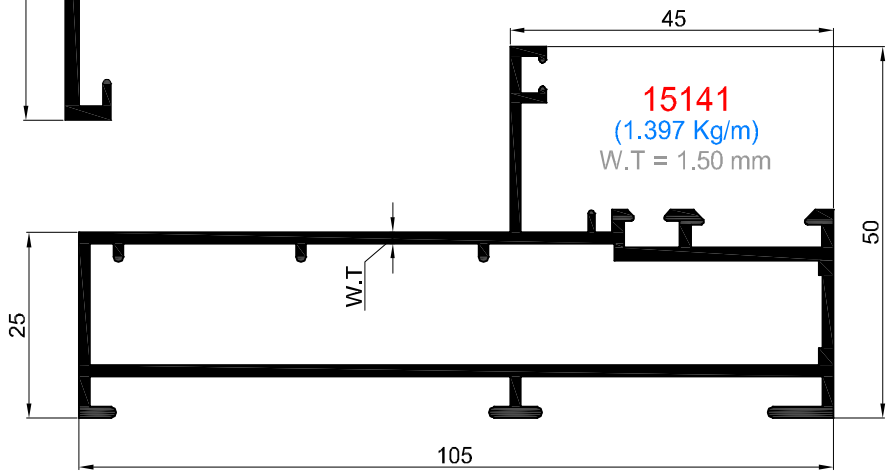
45 mm HINGED DOORS & WINDOWS



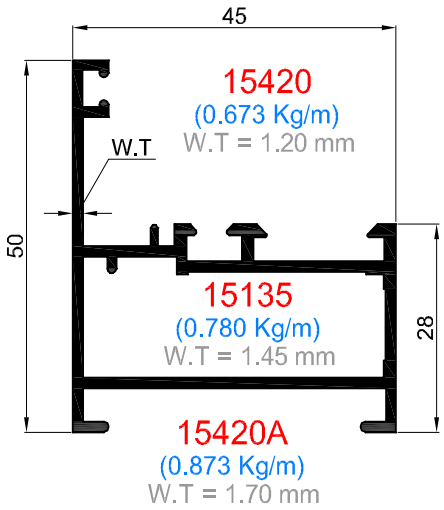
21713
(1.925 Kg/m)
W.T = 2.0 mm



23542
(1.137 Kg/m)
W.T = 1.80 mm



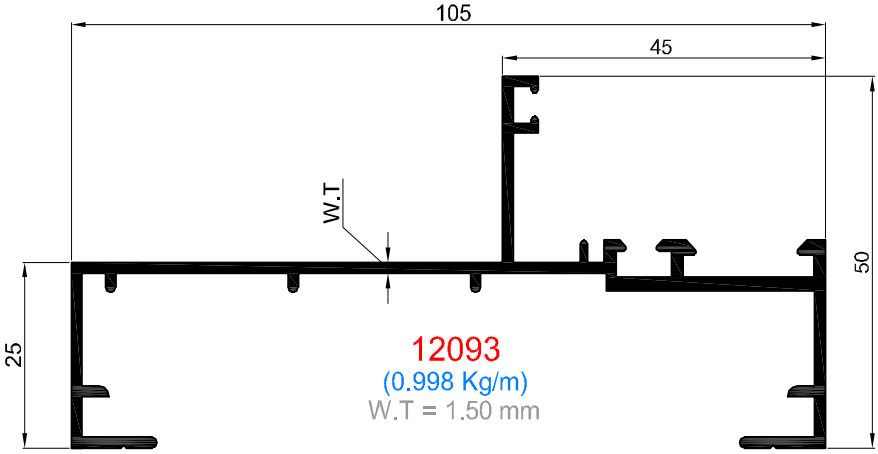
15141
(1.397 Kg/m)
W.T = 1.50 mm



15420
(0.673 Kg/m)
W.T = 1.20 mm

15135
(0.780 Kg/m)
W.T = 1.45 mm

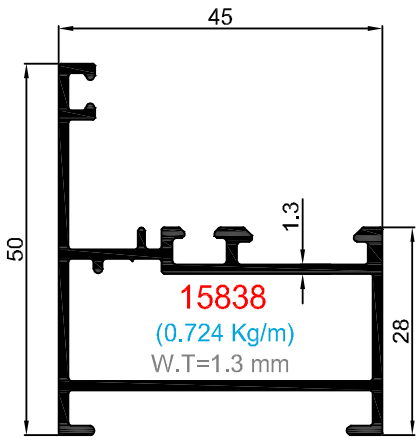
15420A
(0.873 Kg/m)
W.T = 1.70 mm



12093
(0.998 Kg/m)
W.T = 1.50 mm

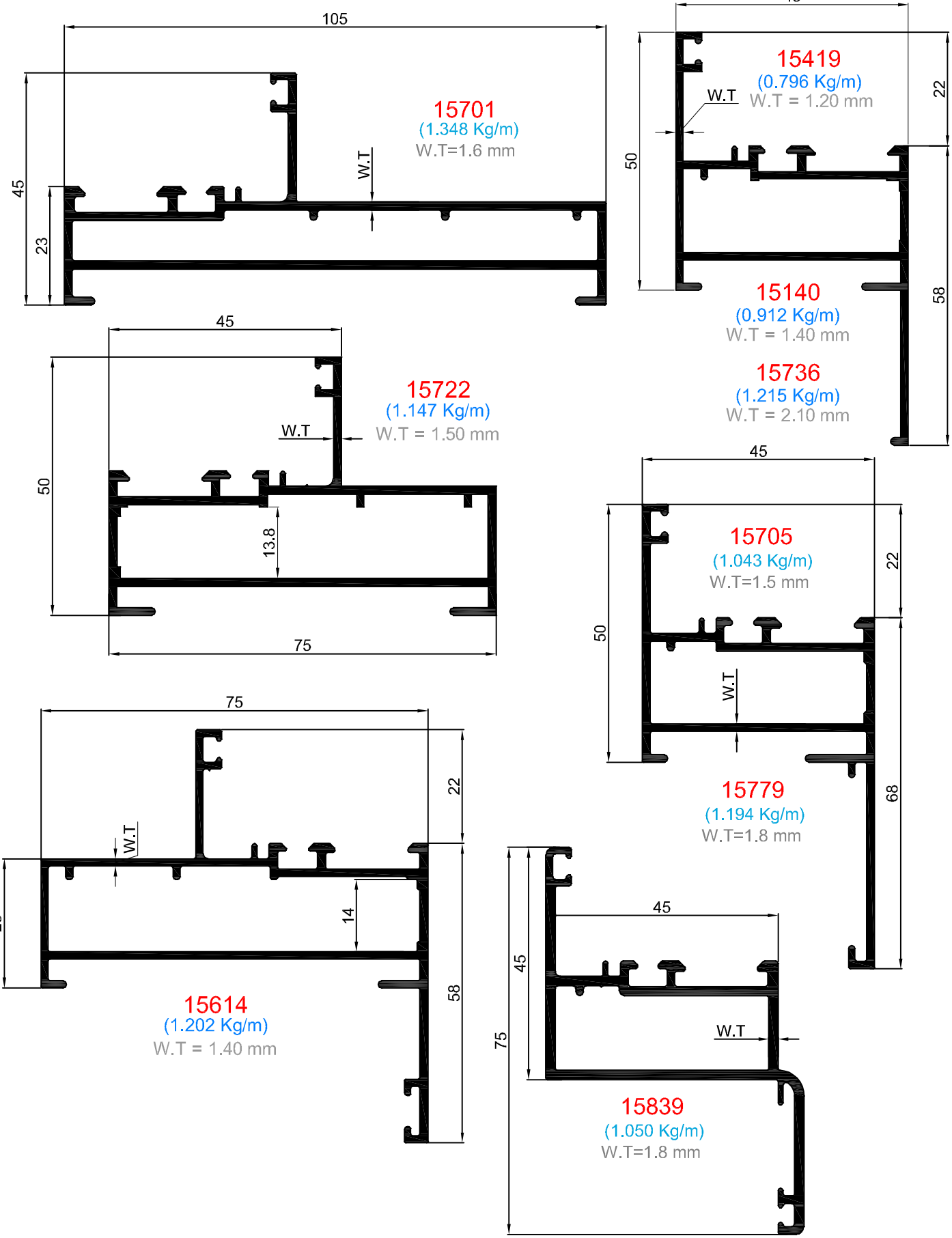
23539
(0.990 Kg/m)
W.T = 2.00 mm

15762
(1.023 Kg/m)
W.T=2.1 mm

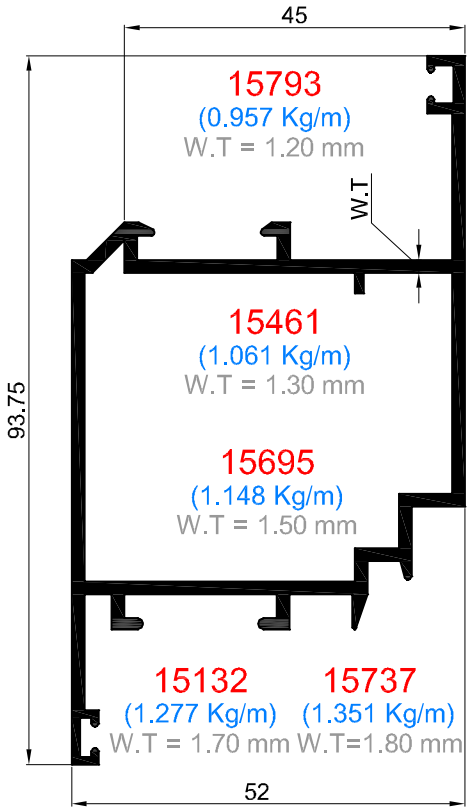


15838
(0.724 Kg/m)
W.T=1.3 mm

45 mm HINGED DOORS & WINDOWS

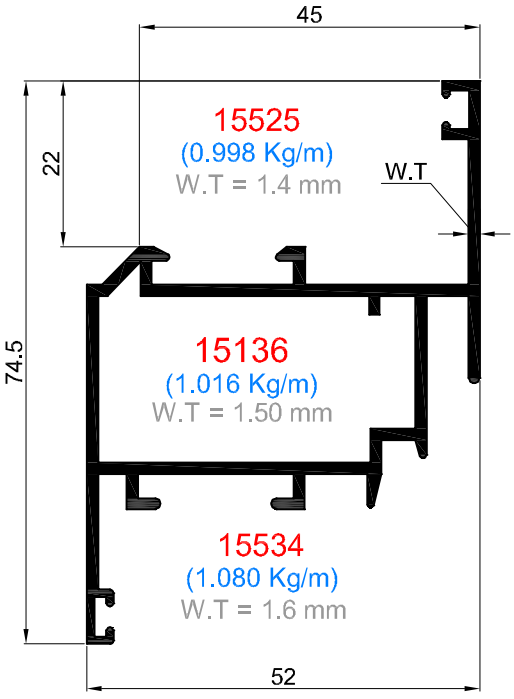


45 mm HINGED DOORS & WINDOWS



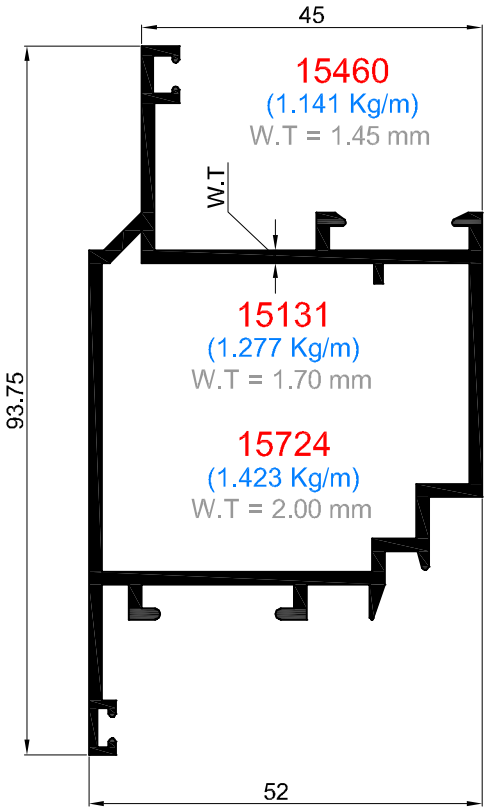
15783
(1.449 Kg/m)
W.T=2.00 mm

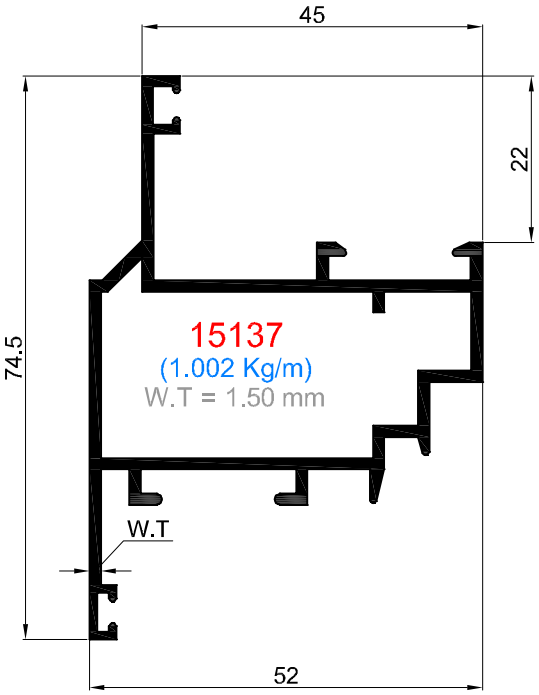
15668
(1.531 Kg/m)
W.T=2.1 mm



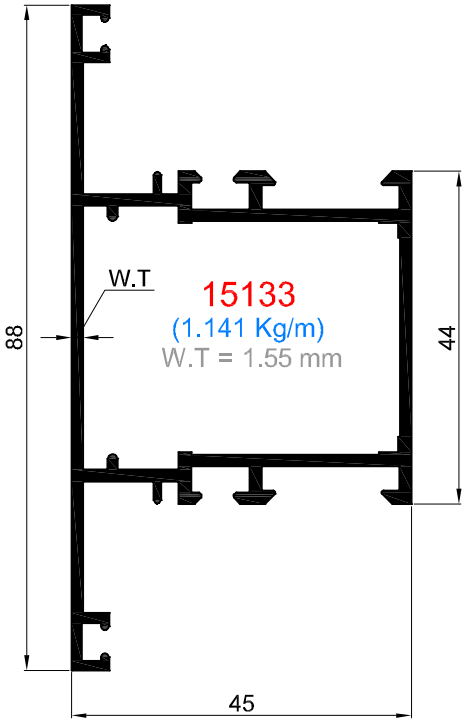
15136A
(1.116 Kg/m)
W.T = 1.70 mm

15514
(1.335 Kg/m)
W.T = 2.1 mm

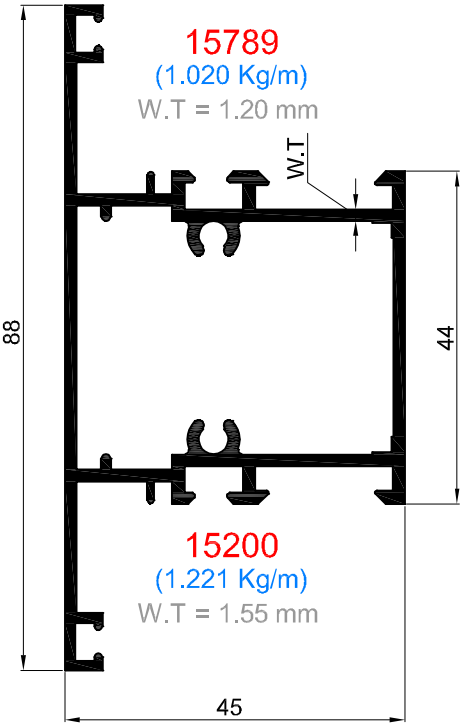




45 mm HINGED DOORS & WINDOWS

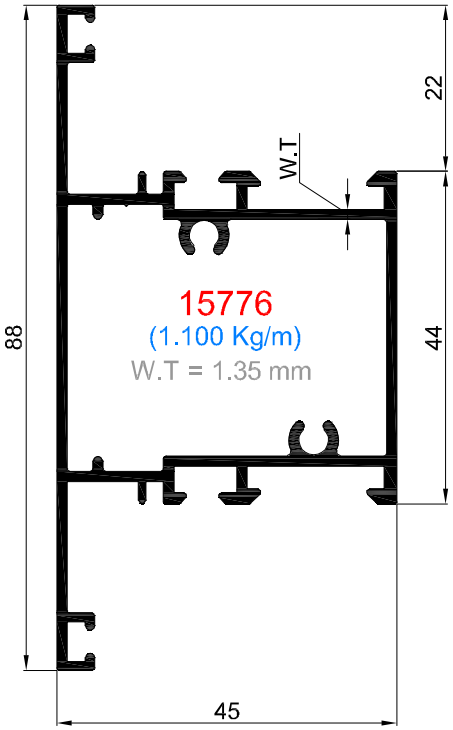


15133
(1.141 Kg/m)
W.T = 1.55 mm

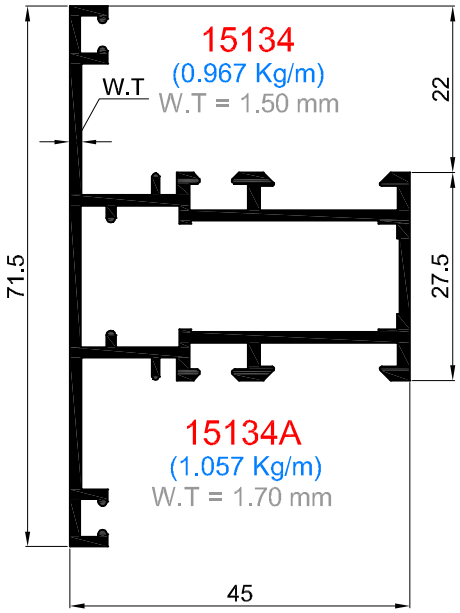


15789
(1.020 Kg/m)
W.T = 1.20 mm

15200
(1.221 Kg/m)
W.T = 1.55 mm



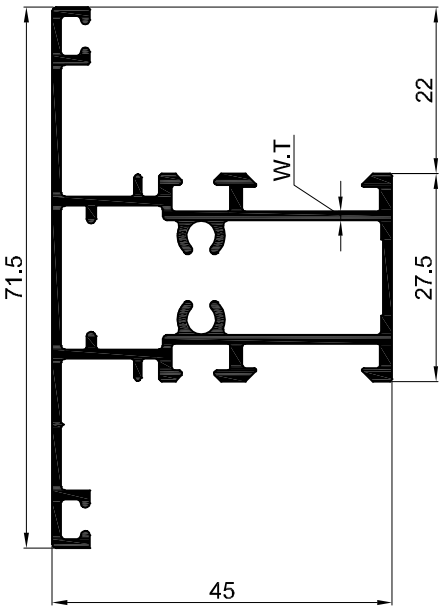
15776
(1.100 Kg/m)
W.T = 1.35 mm



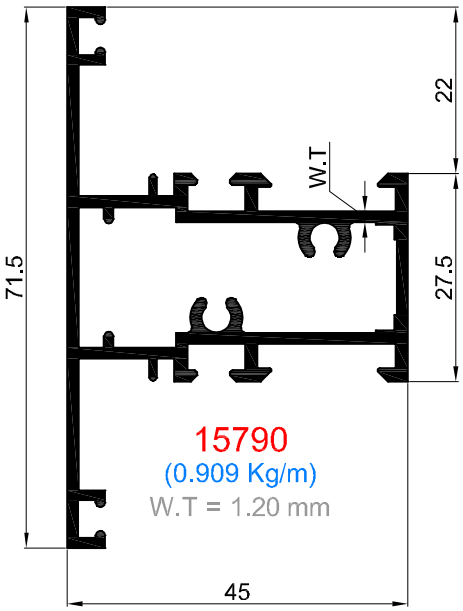
15134
(0.967 Kg/m)
W.T = 1.50 mm

15134A
(1.057 Kg/m)
W.T = 1.70 mm

15763
(1.220 Kg/m)
W.T=2.10 mm



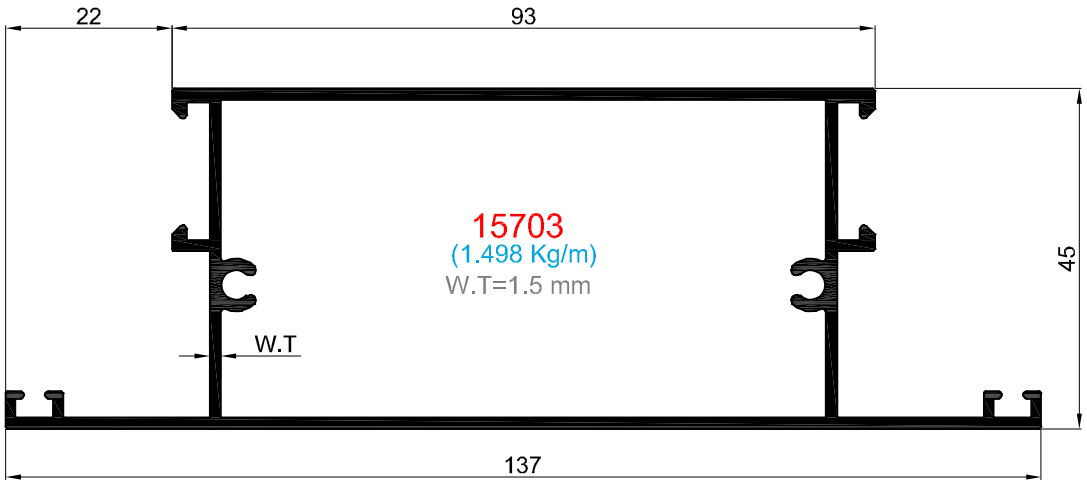
15422
(0.911 Kg/m)
W.T = 1.20 mm

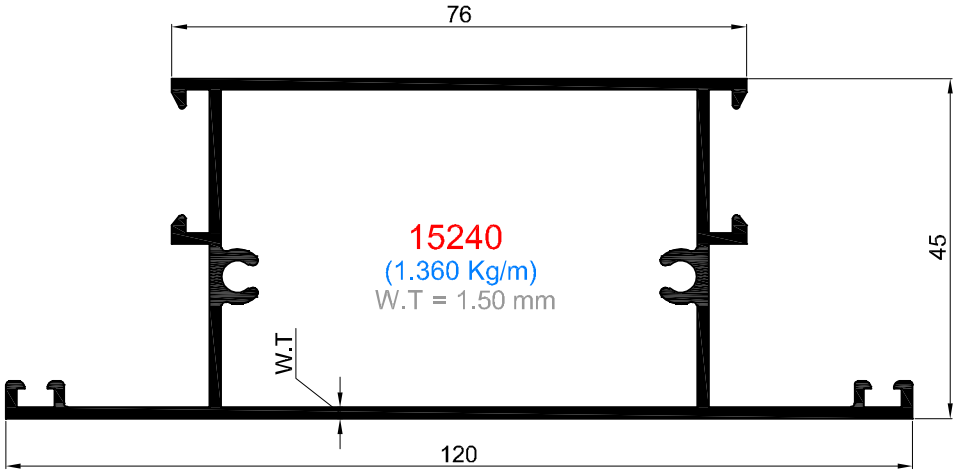


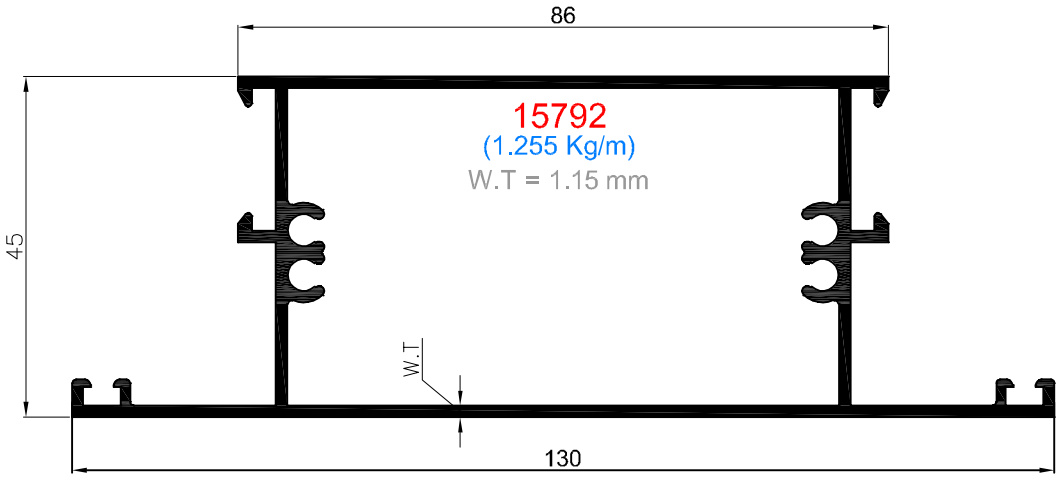
15790
(0.909 Kg/m)
W.T = 1.20 mm

15201
(1.047 Kg/m)
W.T = 1.50 mm

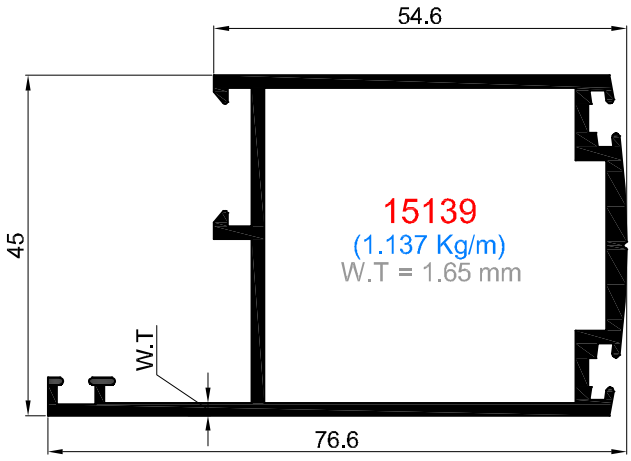
45 mm HINGED DOORS & WINDOWS



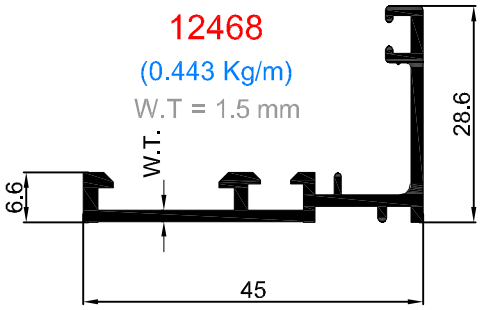




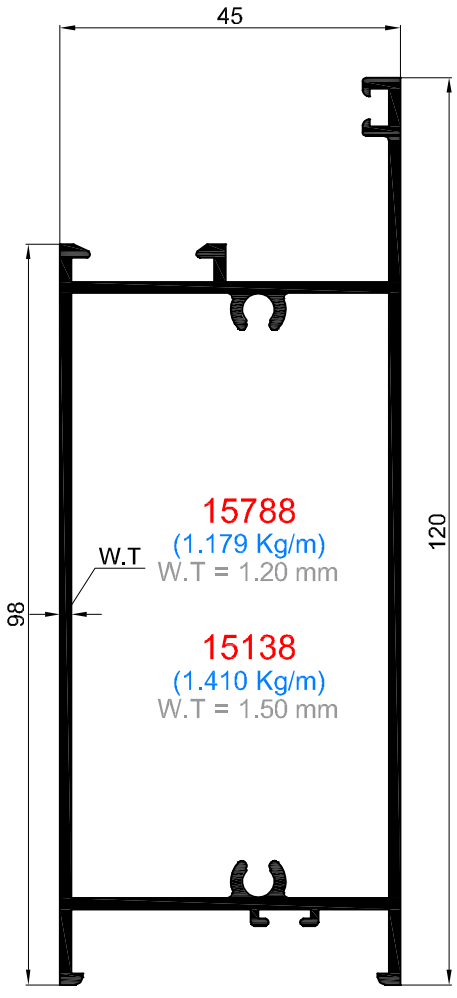
45 mm HINGED DOORS & WINDOWS



15139
(1.137 Kg/m)
W.T = 1.65 mm

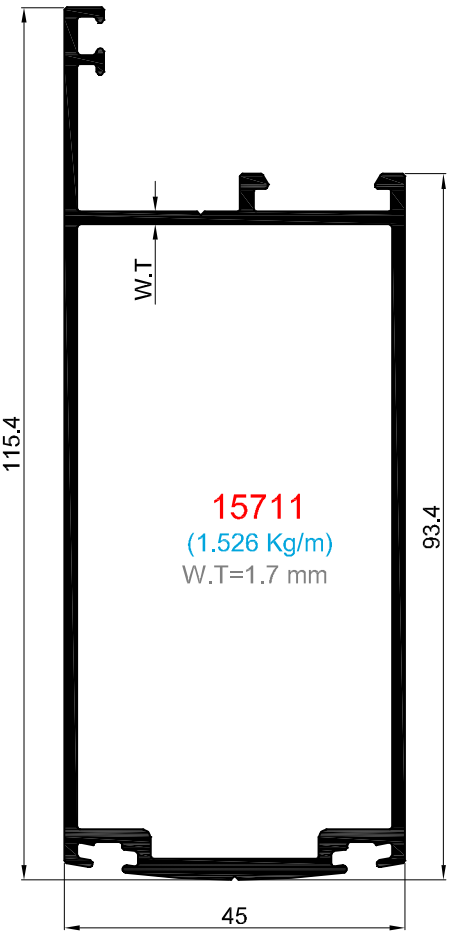


12468
(0.443 Kg/m)
W.T = 1.5 mm

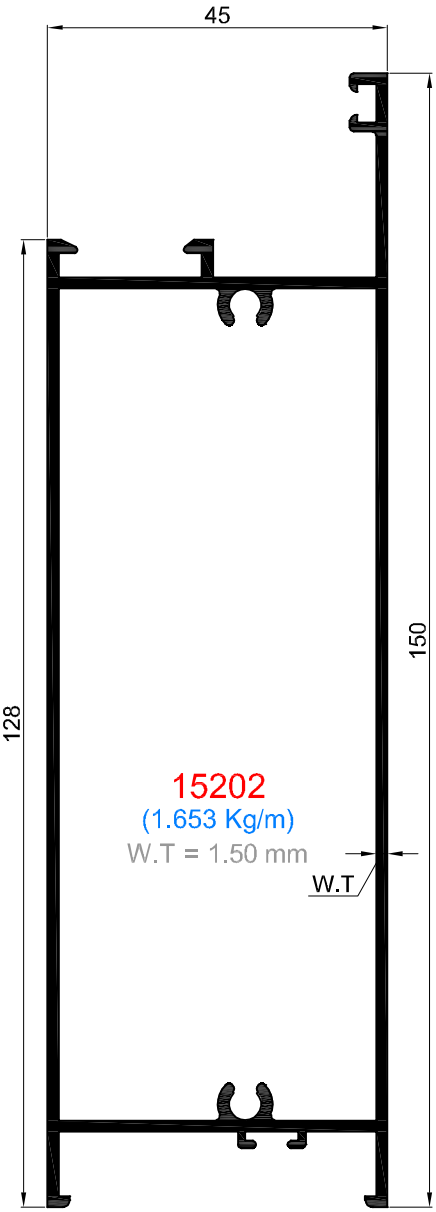


15788
(1.179 Kg/m)
W.T = 1.20 mm

15138
(1.410 Kg/m)
W.T = 1.50 mm

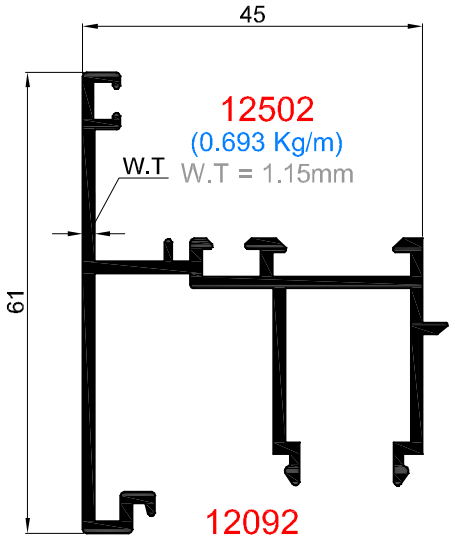


15711
(1.526 Kg/m)
W.T=1.7 mm



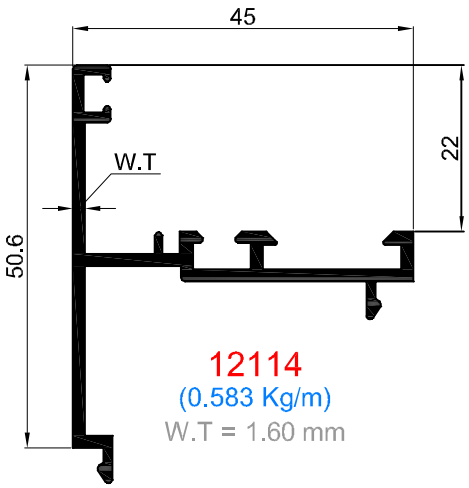
15202
(1.653 Kg/m)
W.T = 1.50 mm

45 mm HINGED DOORS & WINDOWS

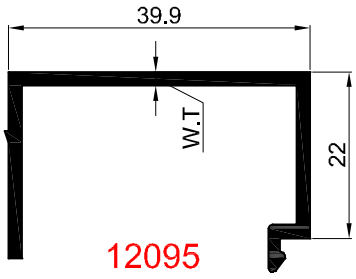


12502
(0.693 Kg/m)
W.T = 1.15mm

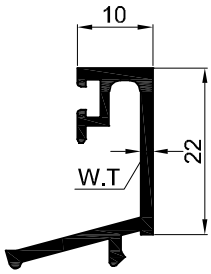
12092
(0.881 Kg/m)
W.T = 1.6 mm



12114
(0.583 Kg/m)
W.T = 1.60 mm



12095
(0.442 Kg/m)
W.T = 1.80 mm

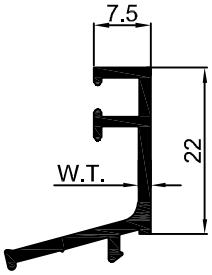


12476
(0.229 Kg/m)
W.T = 1.20 mm

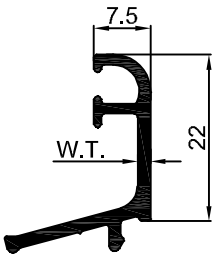
19157
(0.270 Kg/m)
W.T = 1.60 mm

12375
(0.293 Kg/m)
W.T = 1.70 mm

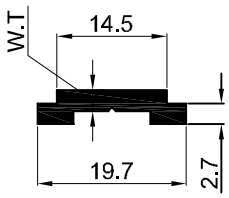
12097
(0.295 Kg/m)
W.T = 1.80 mm



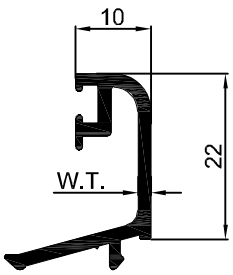
12488
(0.242 Kg/m)
W.T=1.6 mm



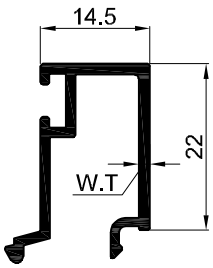
12436
(0.242 Kg/m)
W.T=1.6 mm



12137
(0.167 Kg/m)
W.T = 2.80 mm



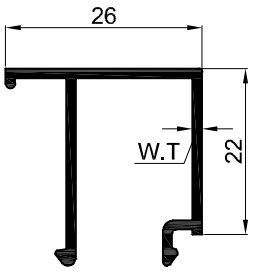
12477
(0.284 Kg/m)
W.T = 1.70 mm



12308
(0.216 Kg/m)
W.T = 1.00 mm

12227
(0.256 Kg/m)
W.T = 1.20 mm

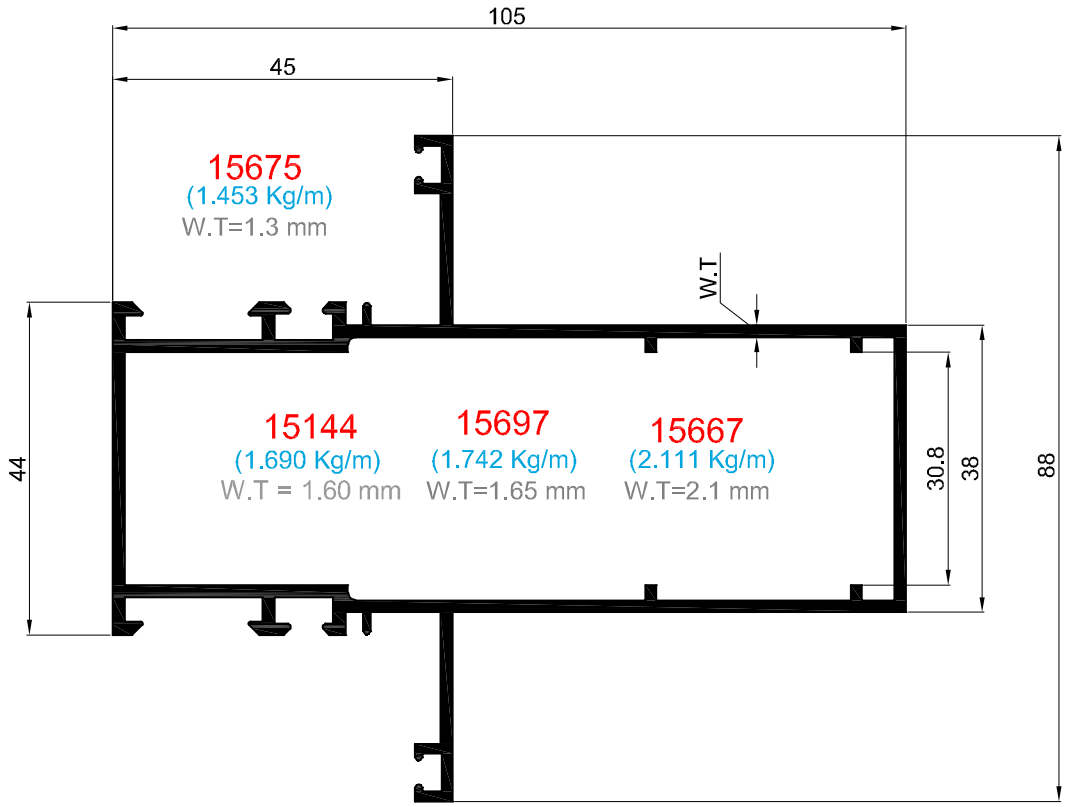
12096
(0.282 Kg/m)
W.T = 1.40 mm

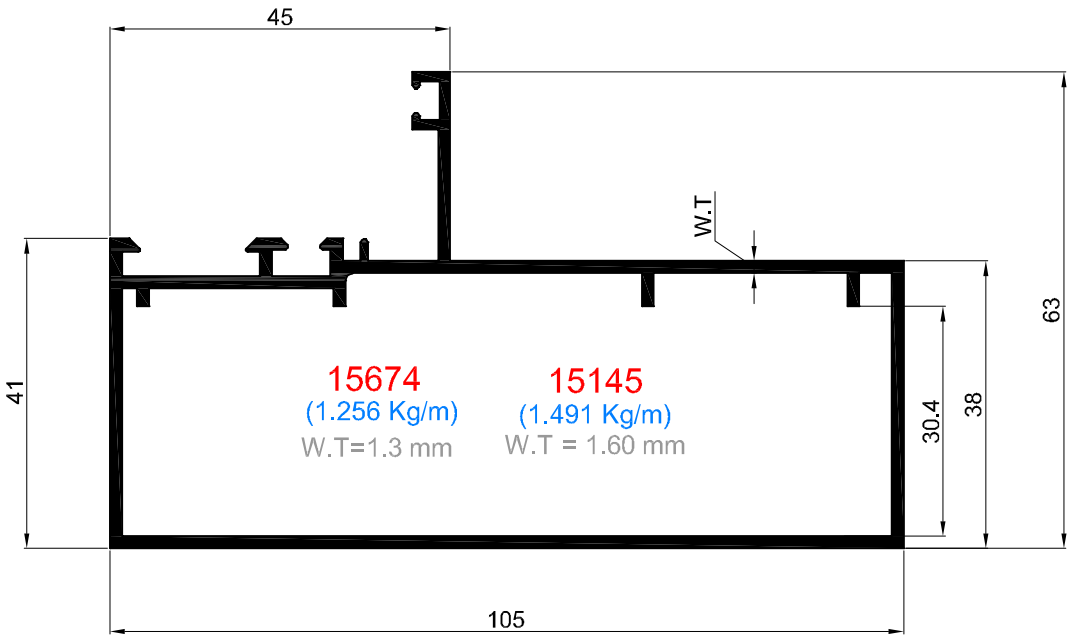


12098
(0.290 Kg/m)
W.T = 1.30 mm

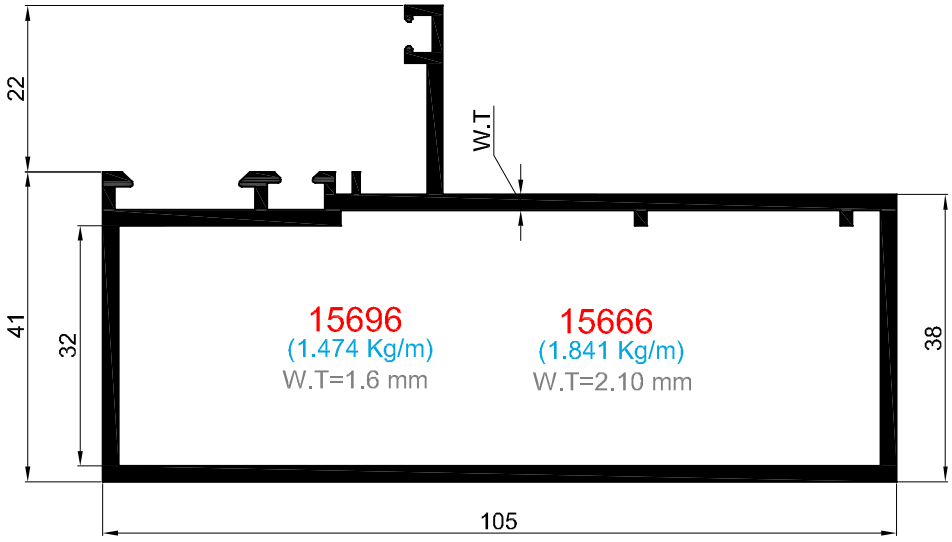
12311
(0.231 Kg/m)
W.T = 1.0 mm

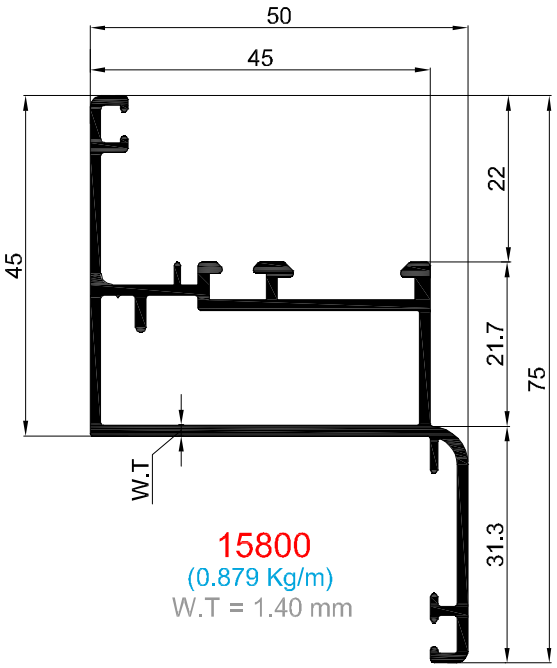
45 mm HINGED DOORS & WINDOWS

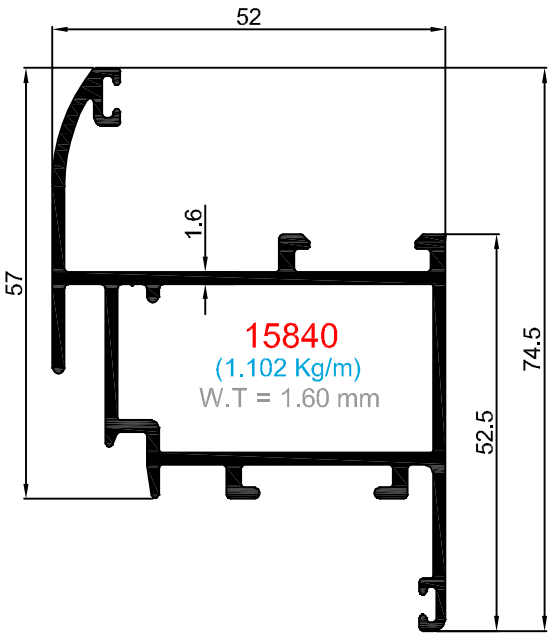




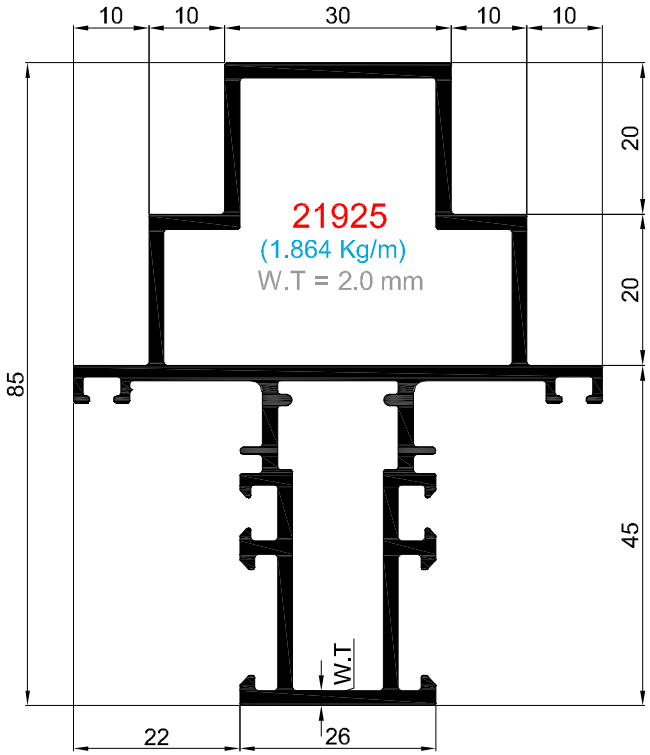
45 mm HINGED DOORS & WINDOWS



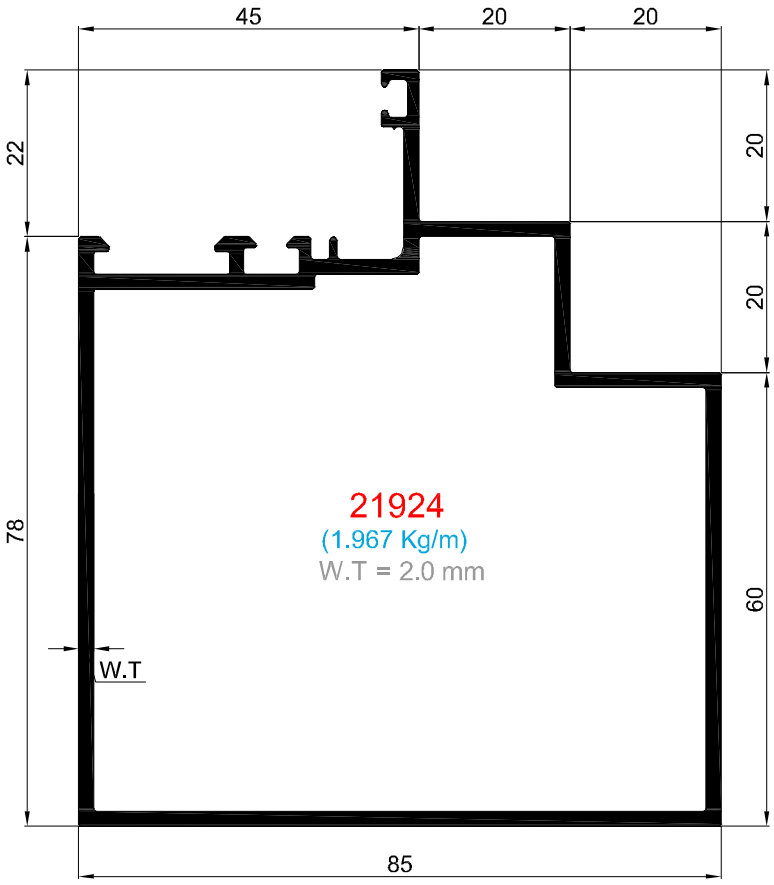




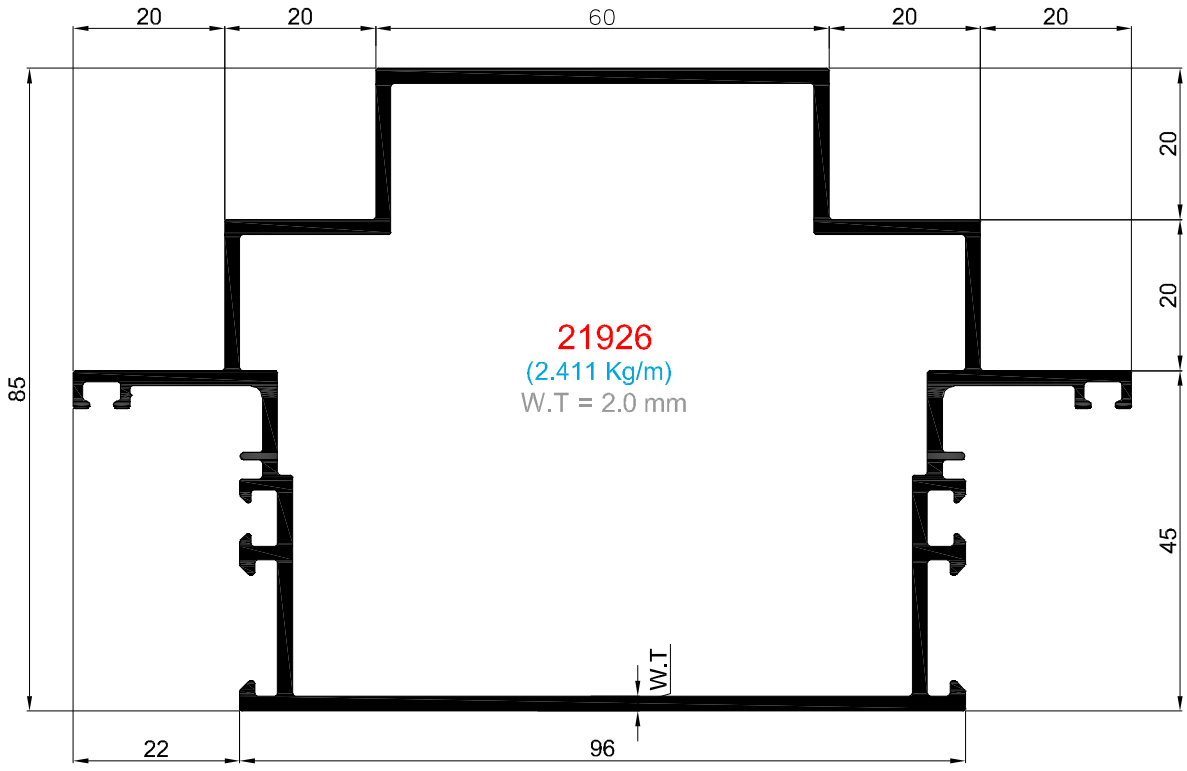
45 mm HINGED DOORS & WINDOWS



21925
(1.864 Kg/m)
W.T = 2.0 mm

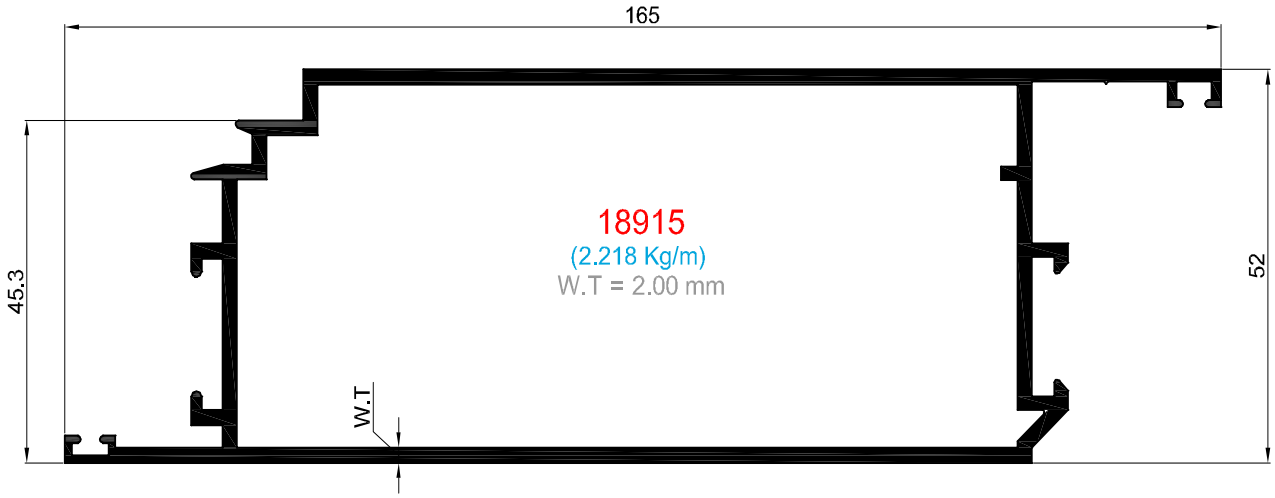


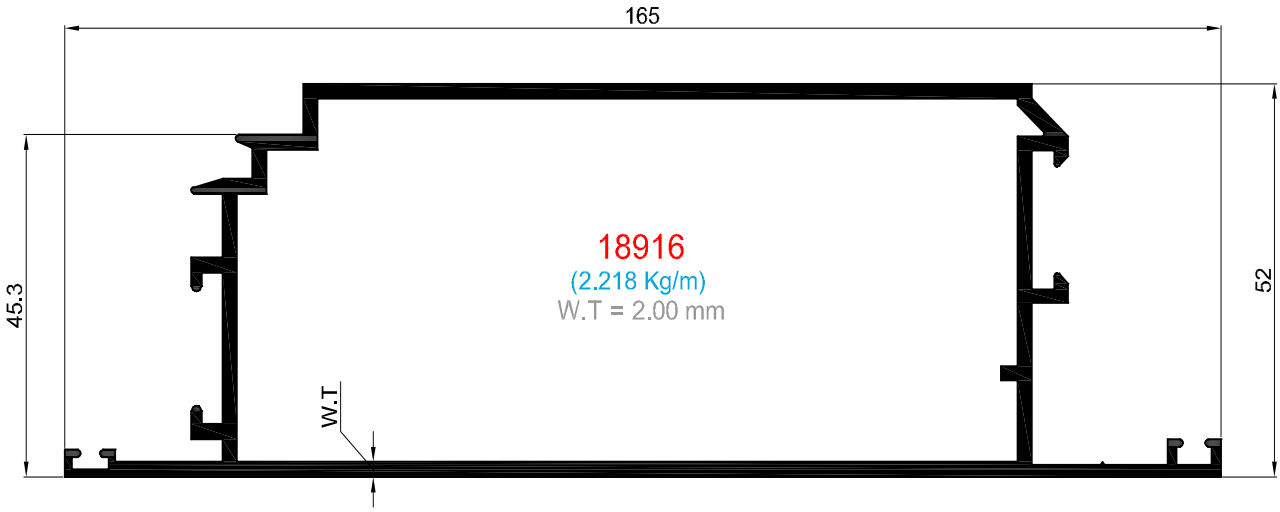
21924
(1.967 Kg/m)
W.T = 2.0 mm

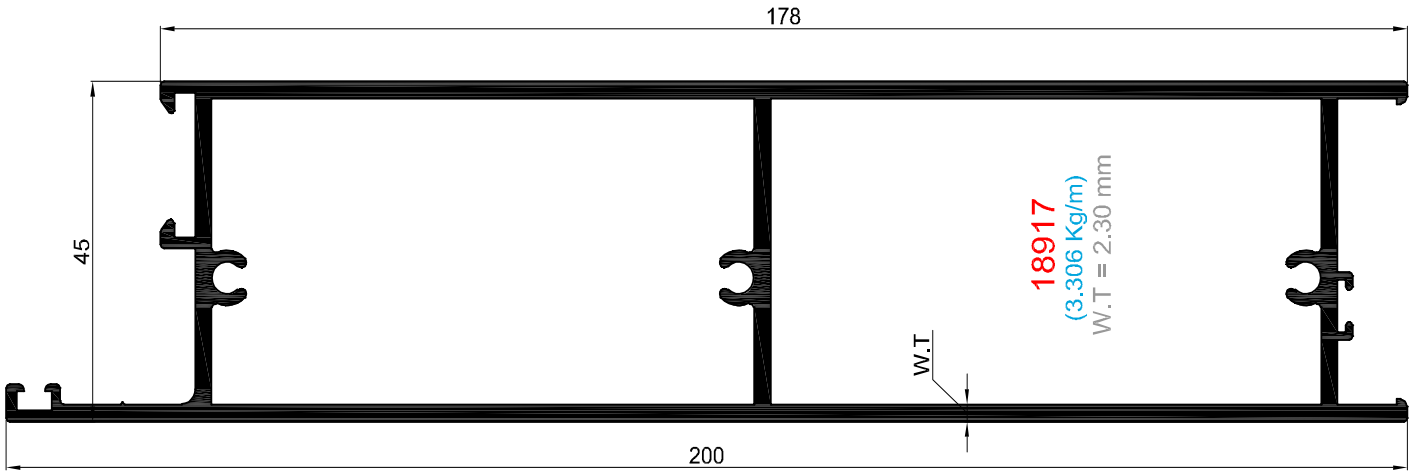


21926
(2.411 Kg/m)
W.T = 2.0 mm

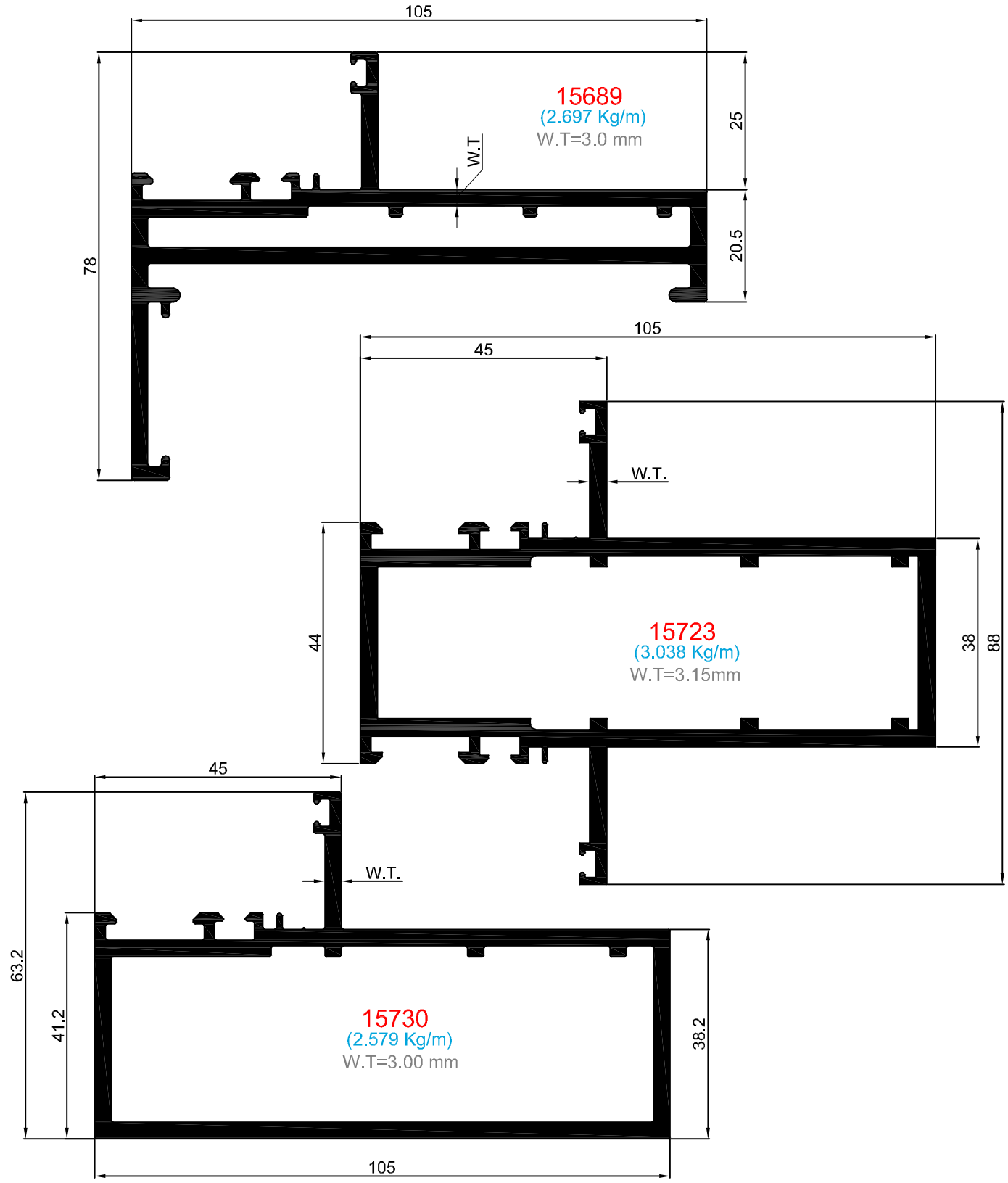
45 mm HINGED DOORS & WINDOWS



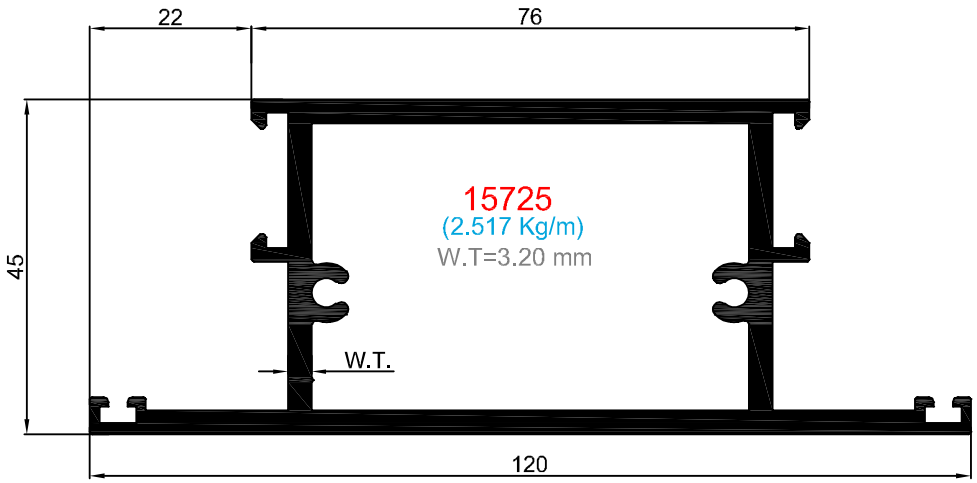




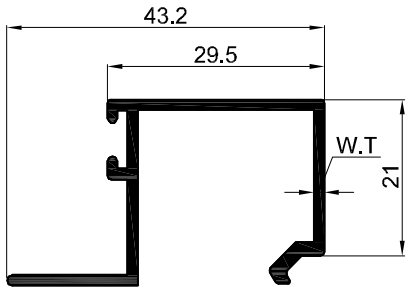
45 mm HINGED DOORS & WINDOWS
3mm WALL THICKNESS



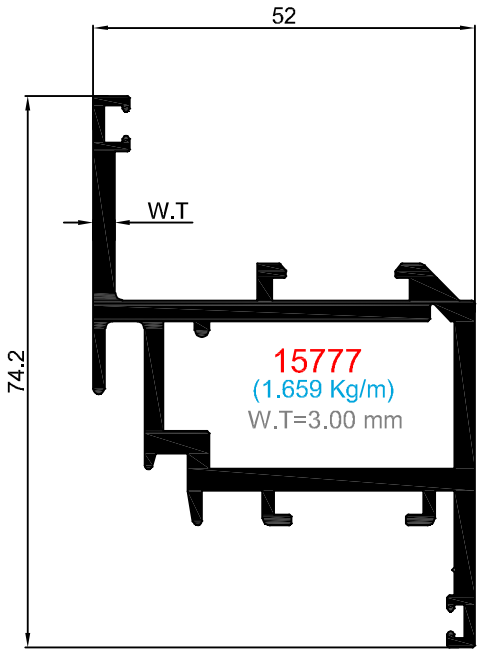
45 mm HINGED DOORS & WINDOWS
3mm WALL THICKNESS



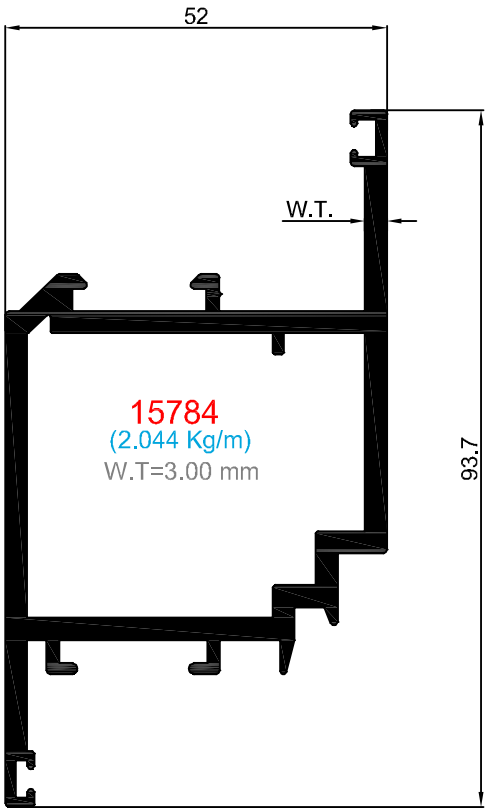
15725
(2.517 Kg/m)
W.T=3.20 mm



12221
(0.398 Kg/m)
W.T = 1.40 mm

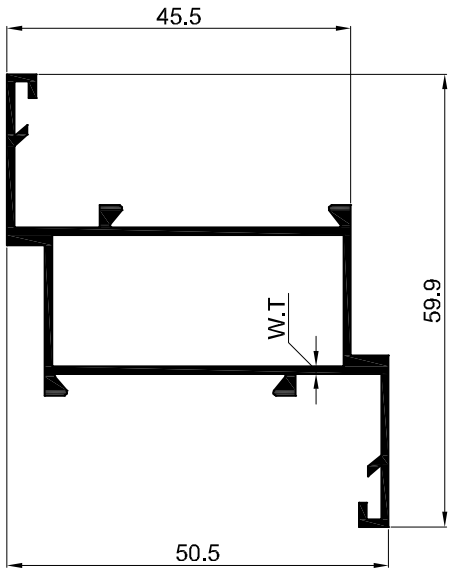


15777
(1.659 Kg/m)
W.T=3.00 mm



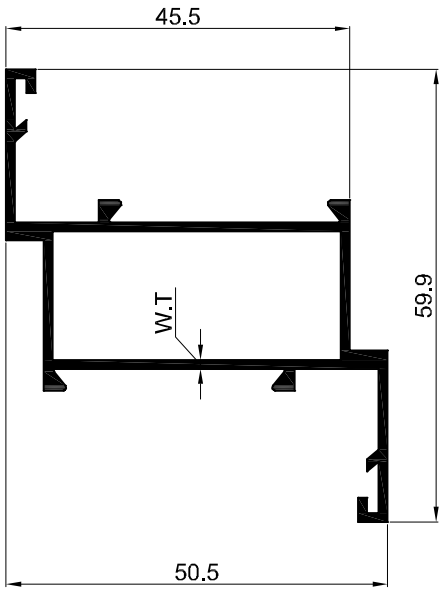
15784
(2.044 Kg/m)
W.T=3.00 mm

45.5 mm HINGED DOORS & WINDOWS



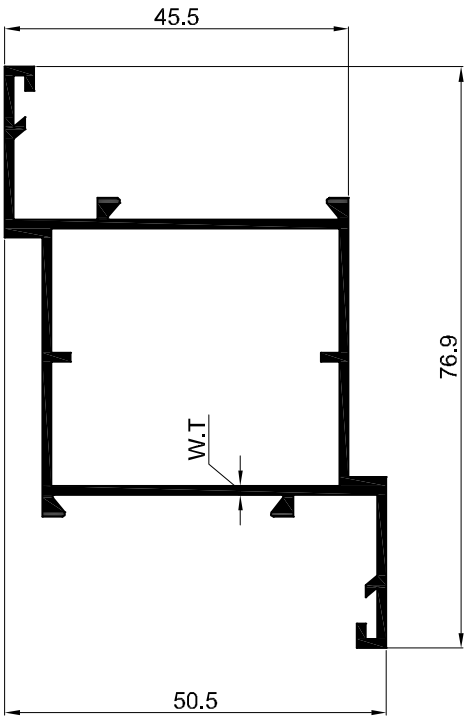
18442
(0.632 Kg/m)
W.T = 1.10 mm

18442A
(0.552 Kg/m)
W.T = 0.90 mm



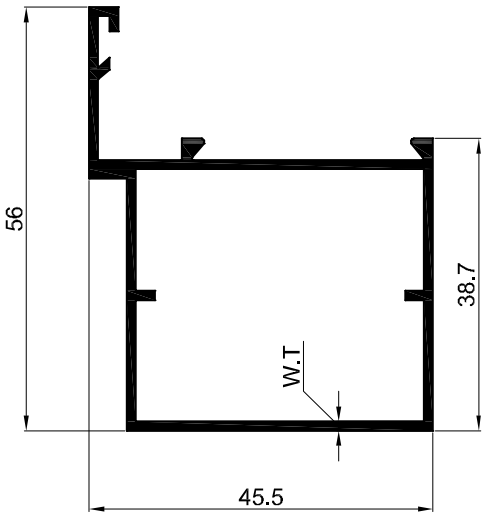
18317
(0.681 Kg/m)
W.T = 1.20 mm

18317J
(0.728 Kg/m)
W.T = 1.30 mm



18321
(0.808 Kg/m)
W.T = 1.20 mm

18321J
(0.864 Kg/m)
W.T = 1.30 mm



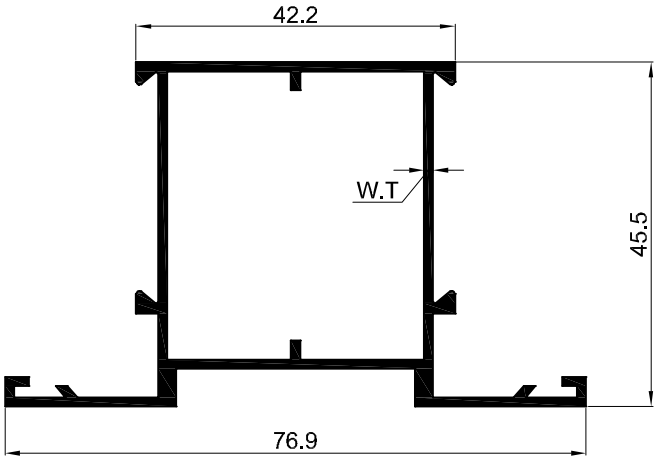
18319B
(0.510 Kg/m)
W.T = 0.90 mm

18319A
(0.557 Kg/m)
W.T = 1.0 mm

18319
(0.649 Kg/m)
W.T = 1.20 mm

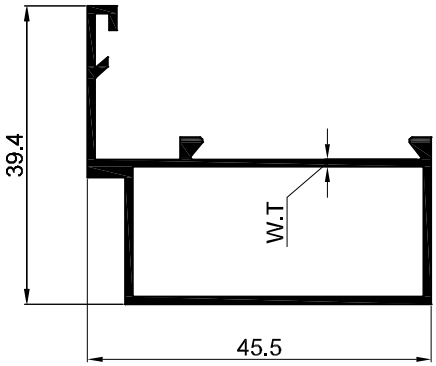
18319J
(0.697 Kg/m)
W.T = 1.30 mm

45.5 mm HINGED DOORS & WINDOWS



15468 (0.747 Kg/m) W.T = 1.10 mm

18322J (0.864 Kg/m) W.T = 1.30 mm

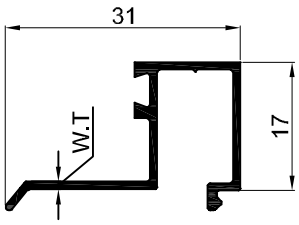


18444A (0.415 Kg/m) W.T = 0.90 mm

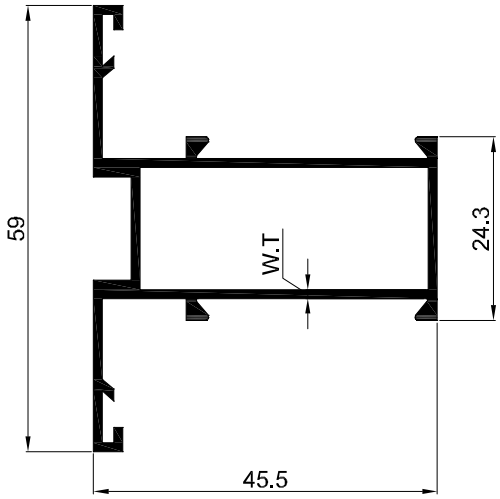
18444 (0.486 Kg/m) W.T = 1.1 mm

18320 (0.525 Kg/m) W.T = 1.20 mm

18320J (0.564 Kg/m) W.T = 1.30 mm



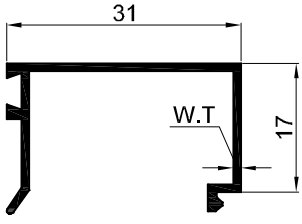
12320 (0.211 Kg/m) W.T = 1.0 mm



18443 (0.627 Kg/m) W.T = 1.1 mm

18318 (0.676 Kg/m) W.T = 1.20 mm

18318J (0.722 Kg/m) W.T = 1.30 mm

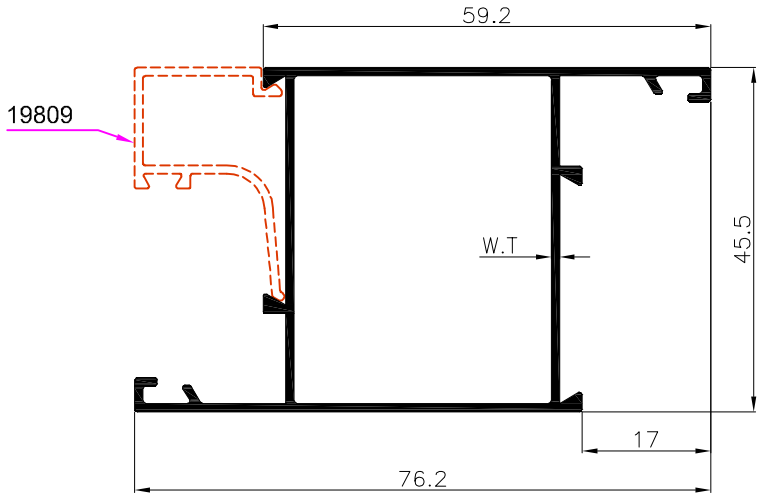


19287 (0.212 Kg/m) W.T = 1.0 mm

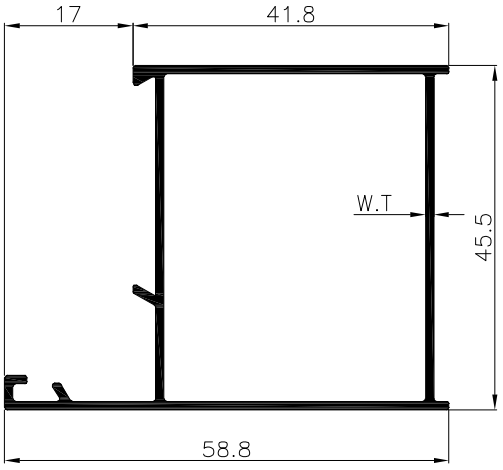
19209 (0.212 Kg/m) W.T = 1.0 mm

19309 (0.192 Kg/m) W.T = 0.90 mm

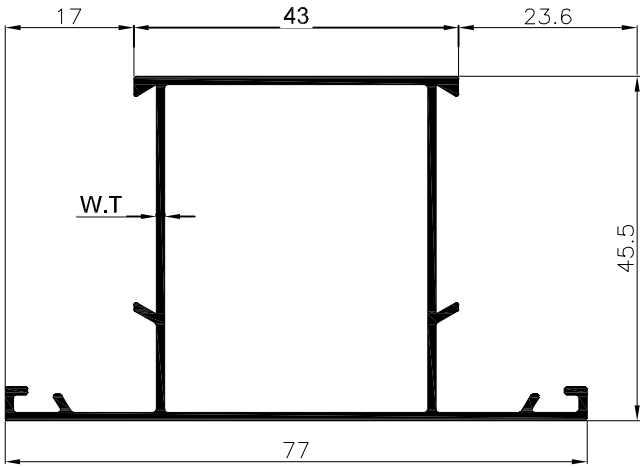
45.5 mm HINGED DOORS & WINDOWS



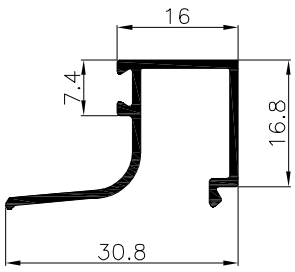
21049
(0.702 Kg/m)
W.T = 1.1 mm



21051
(0.598 Kg/m)
W.T = 1.1 mm

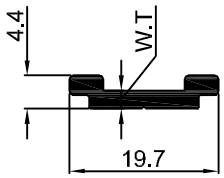


21050
(0.696 Kg/m)
W.T = 1.1 mm

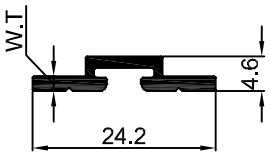


19809
(0.215 Kg/m)
W.T = 1.1 mm

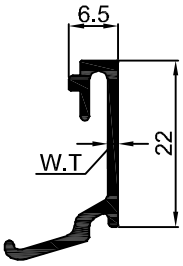
50 mm HINGED DOORS & WINDOWS



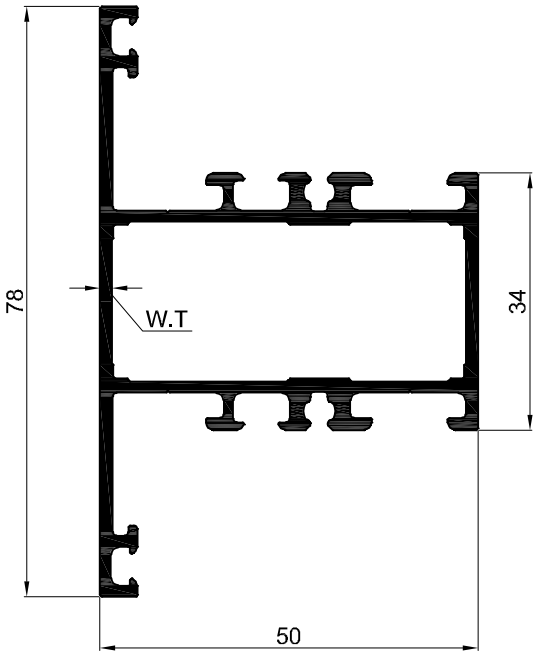
19271
(0.149 Kg/m)
W.T = 2.40 mm



19086
(0.150 Kg/m)
W.T = 2.0 mm

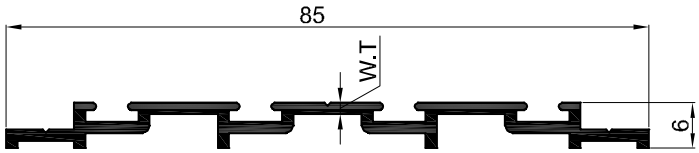


19038
(0.196 Kg/m)
W.T = 1.40 mm

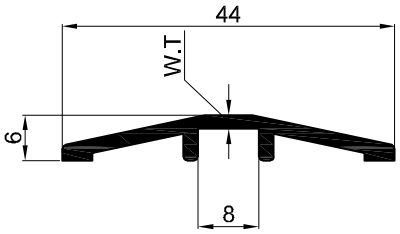


18162
(1.190 Kg/m)
W.T = 1.60 mm

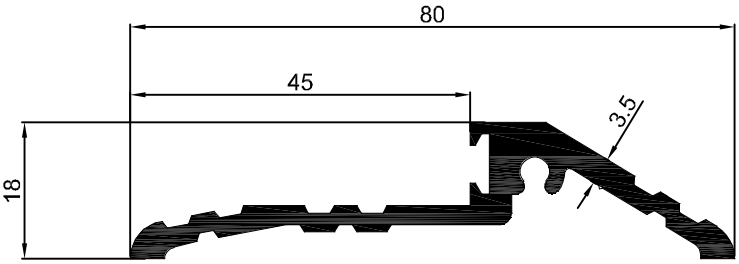
THRESHOLD PROFILES



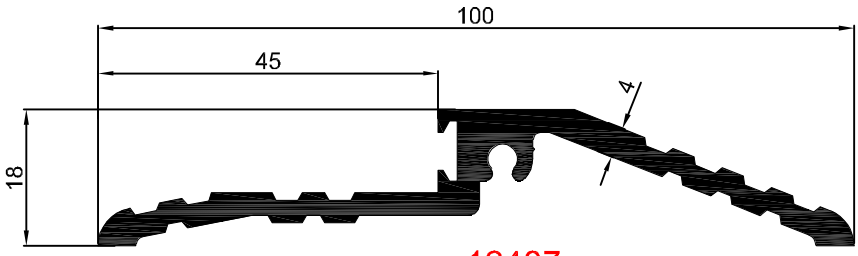
12115
(0.492 Kg/m)
W.T = 1.50 mm



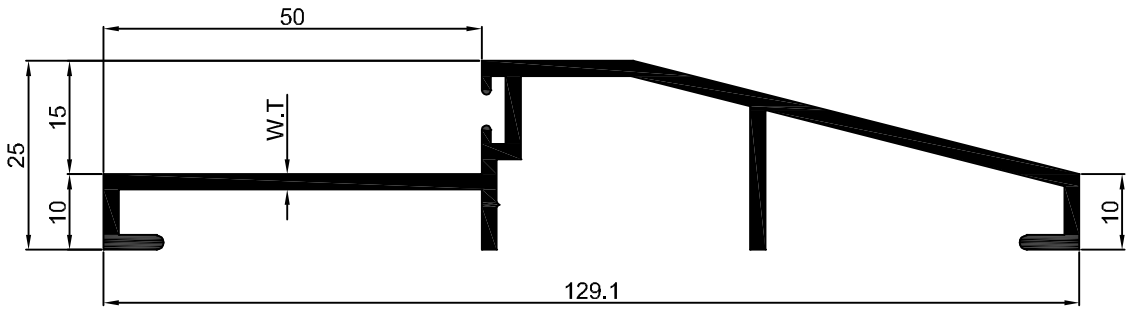
12094
(0.270 Kg/m)
W.T = 1.80 mm



12497
(0.845 Kg/m)
W.T = 3.50 mm



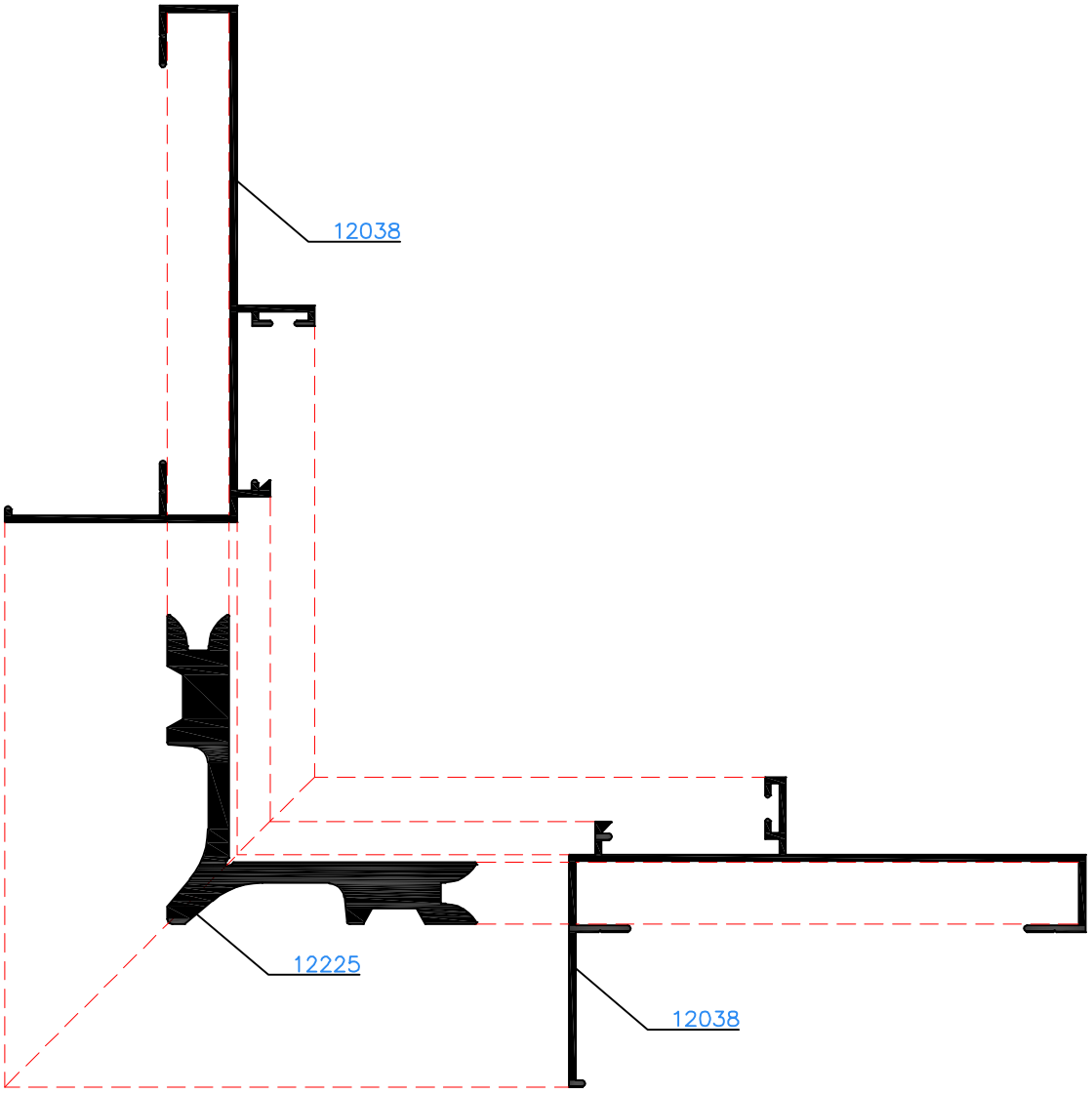
12487
(1.110 Kg/m)
W.T = 4.00 mm



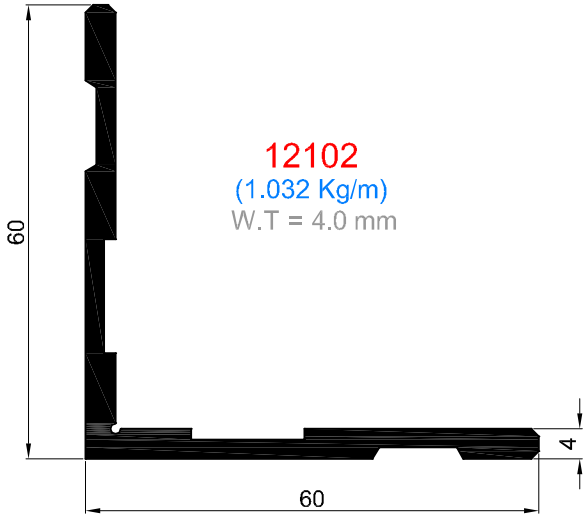
30356
(1.115 Kg/m)
W.T = 2.0 mm

CORNER CLEAT ANGLES

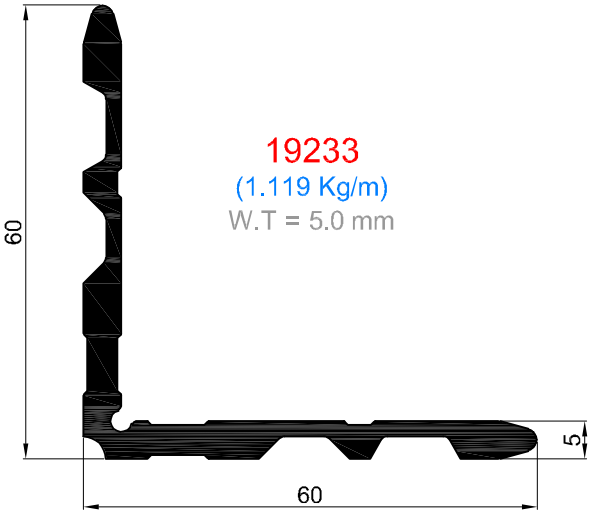
CORNER CLEAT ANGLES



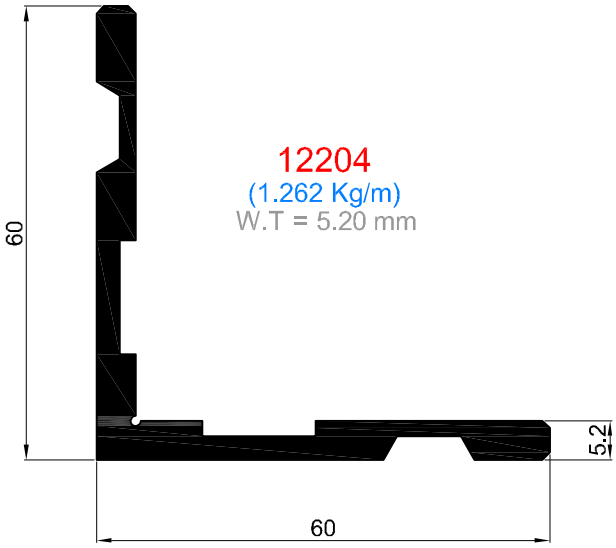
CORNER CLEAT ANGLES



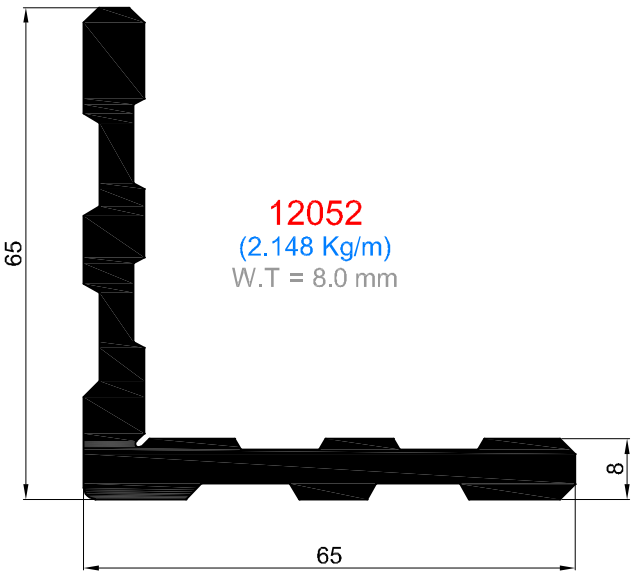
12102
(1.032 Kg/m)
W.T = 4.0 mm



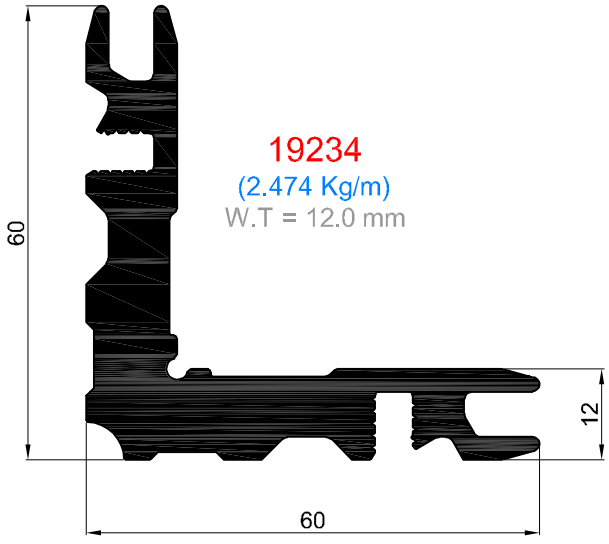
19233
(1.119 Kg/m)
W.T = 5.0 mm



12204
(1.262 Kg/m)
W.T = 5.20 mm

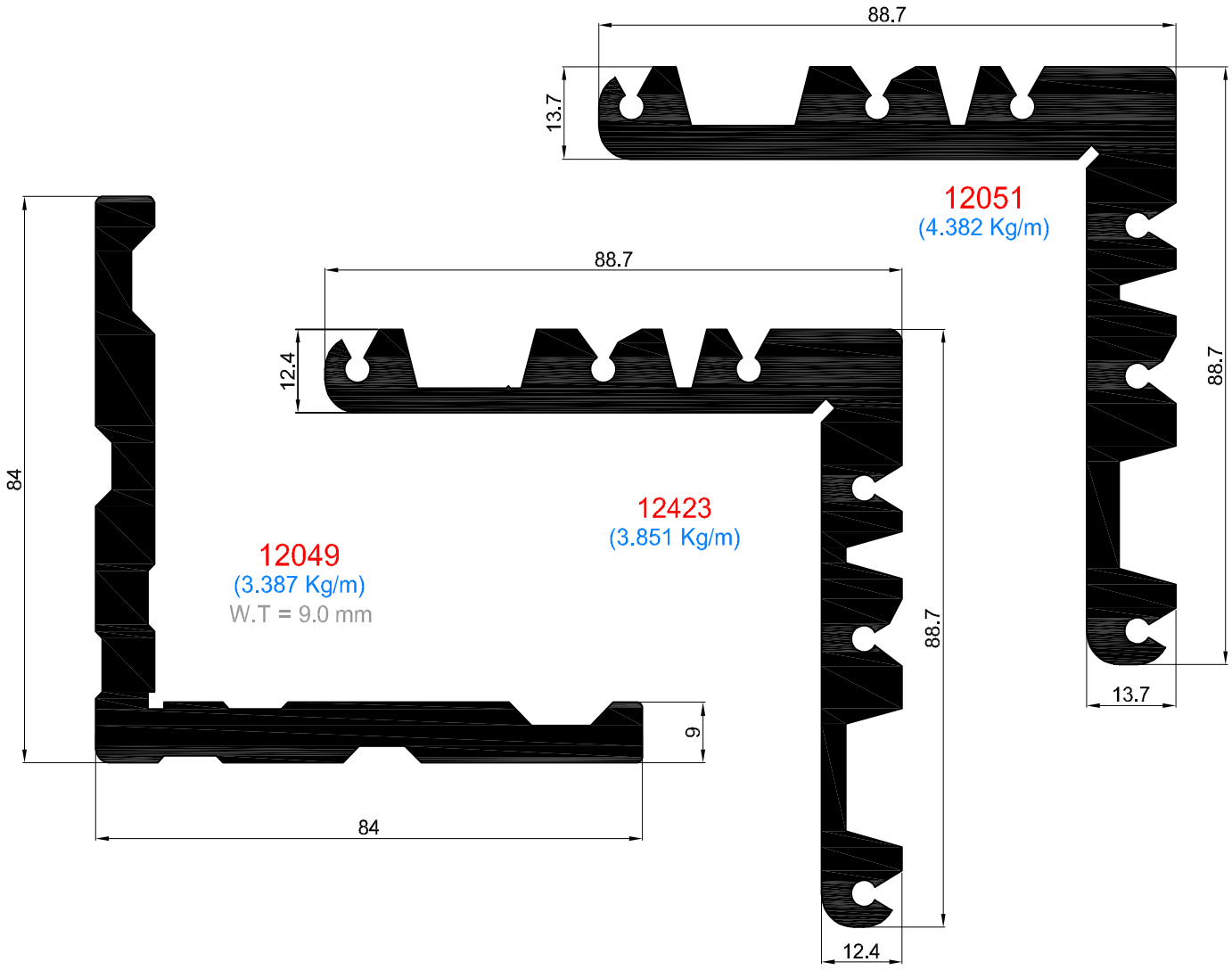


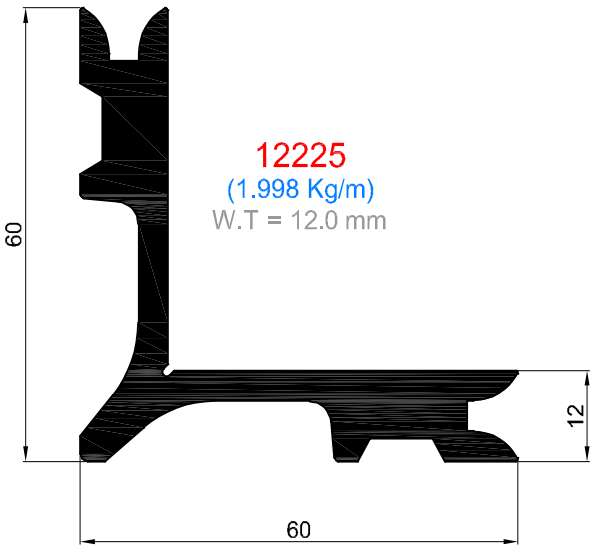
12052
(2.148 Kg/m)
W.T = 8.0 mm

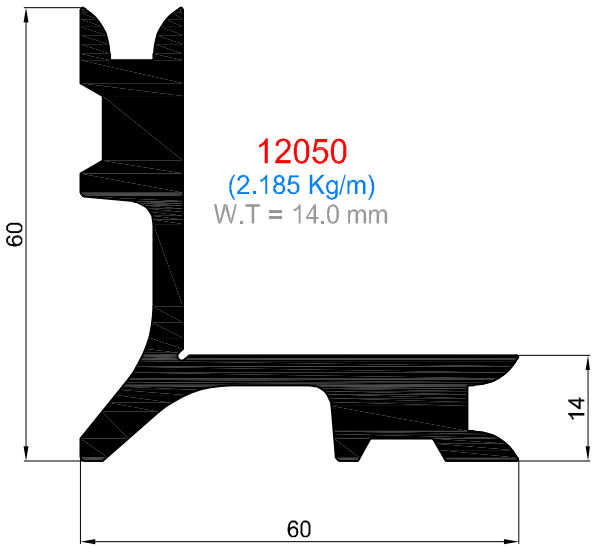


19234
(2.474 Kg/m)
W.T = 12.0 mm

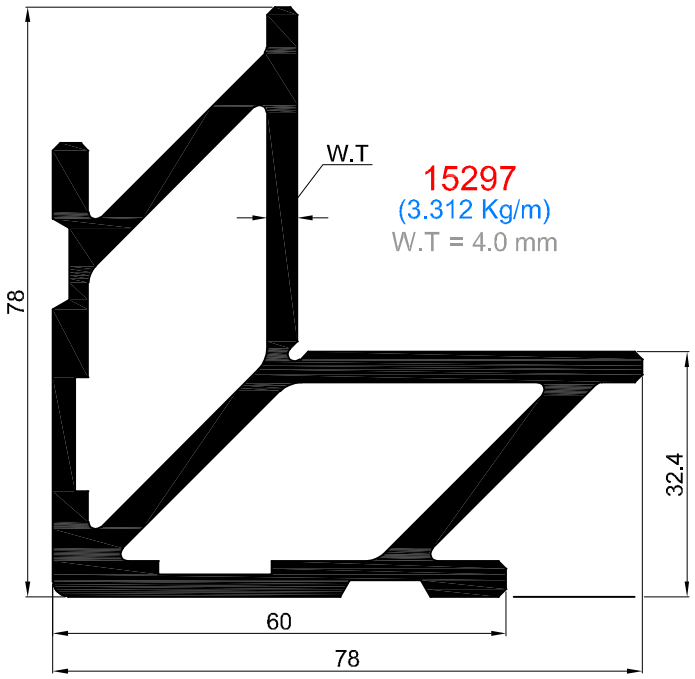
CORNER CLEAT ANGLES



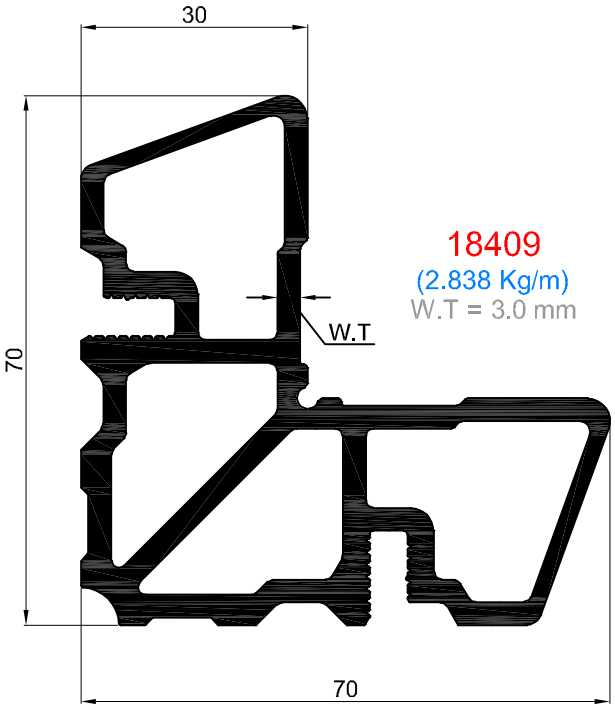




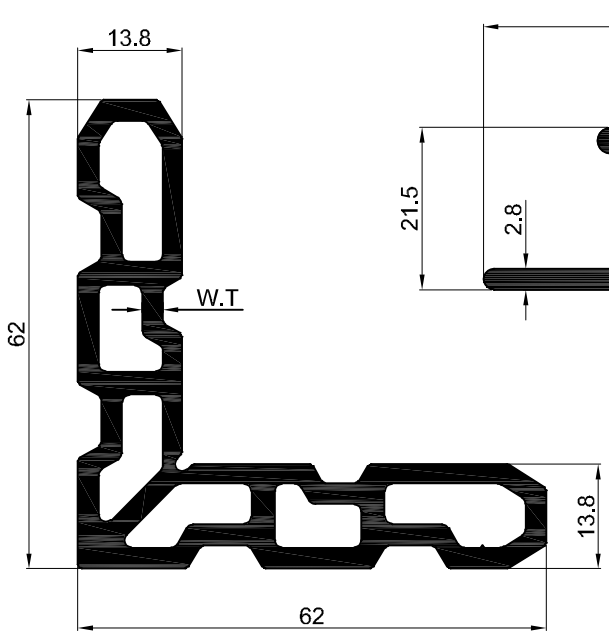
CORNER CLEAT ANGLES



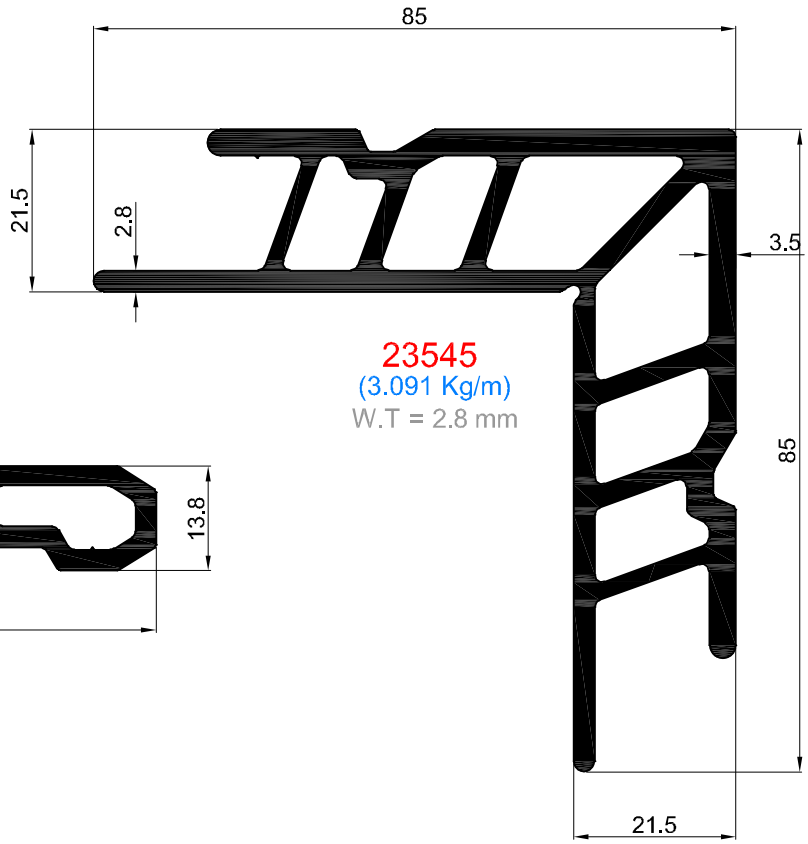
15297
(3.312 Kg/m)
W.T = 4.0 mm



18409
(2.838 Kg/m)
W.T = 3.0 mm

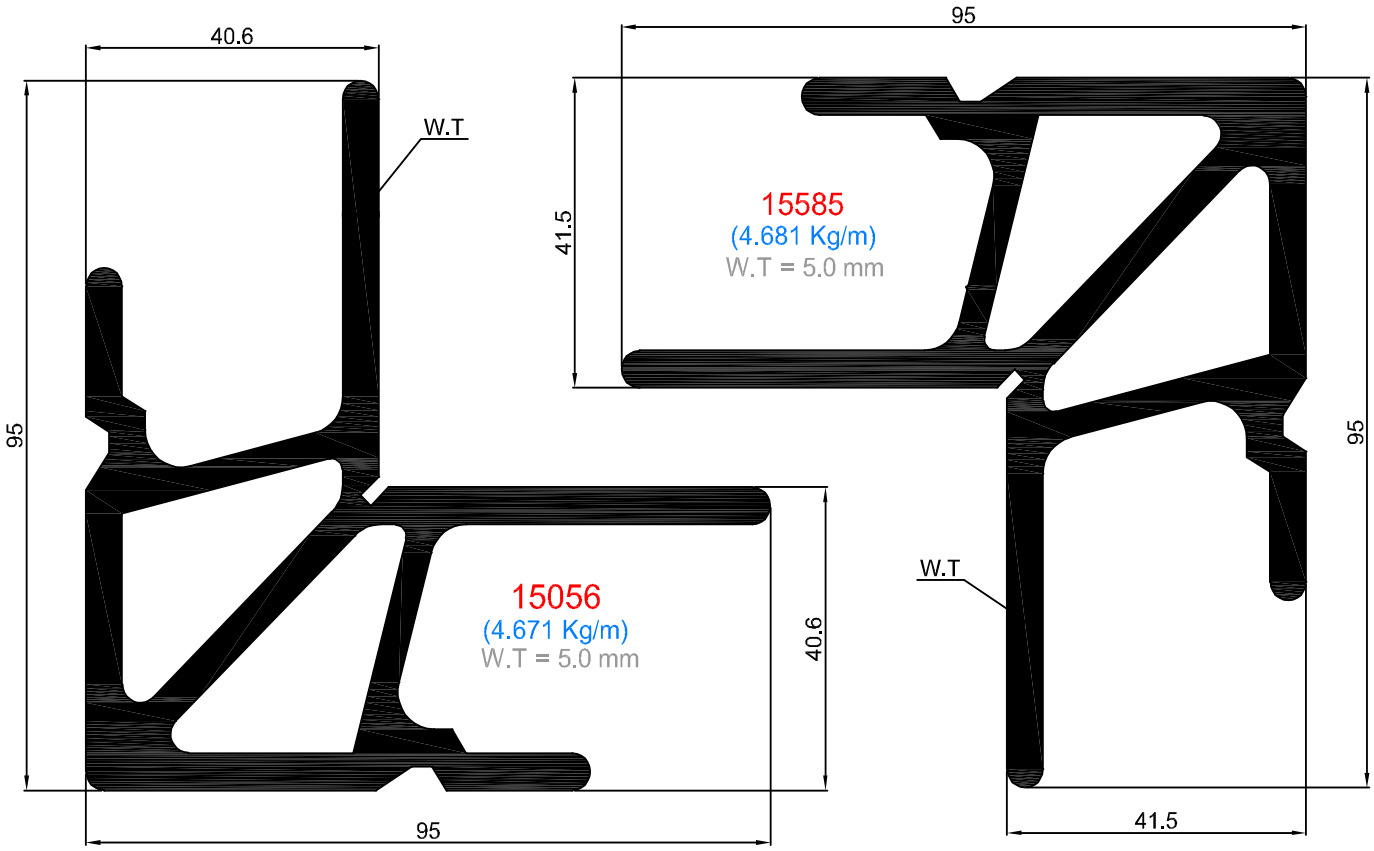


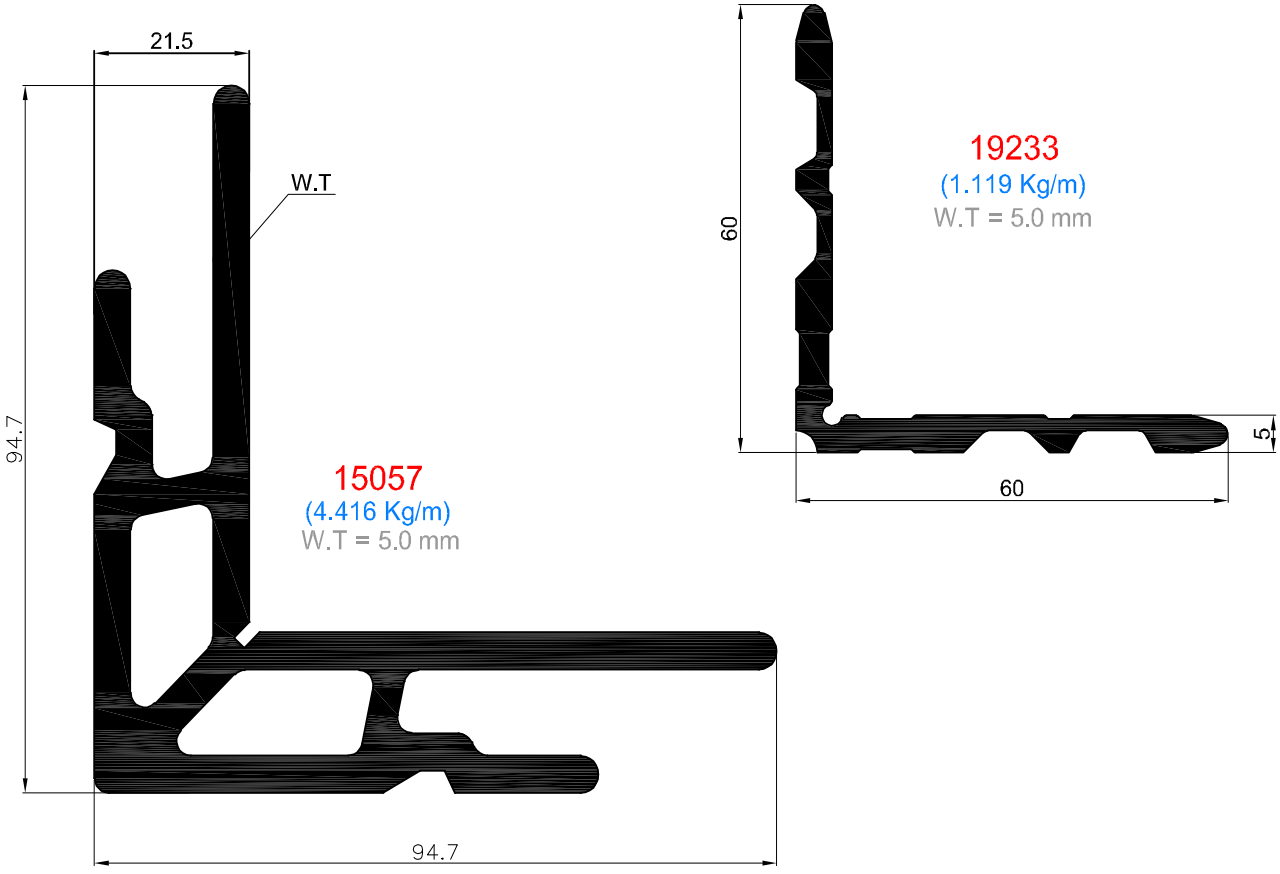
23543
(2.084 Kg/m)
W.T = 2.75mm



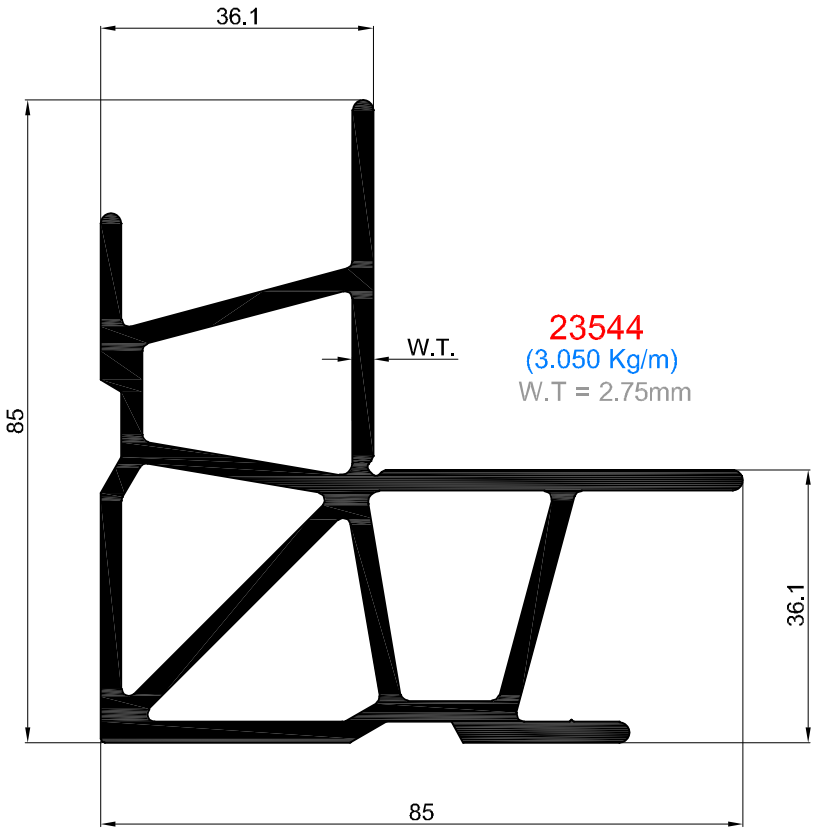
23545
(3.091 Kg/m)
W.T = 2.8 mm

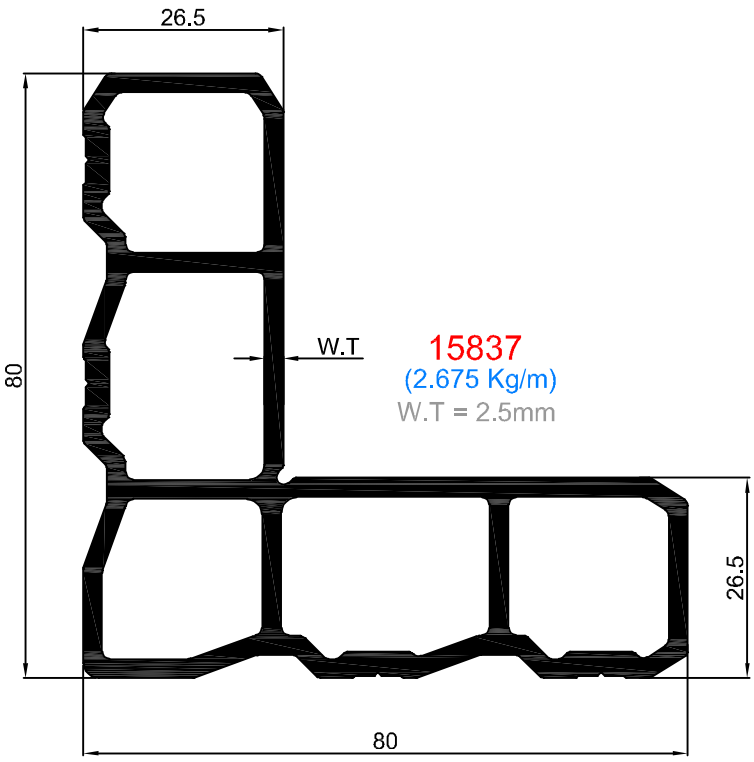
CORNER CLEAT ANGLES





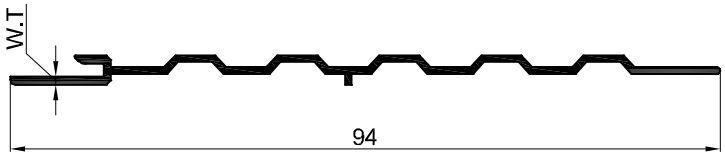
CORNER CLEAT ANGLES





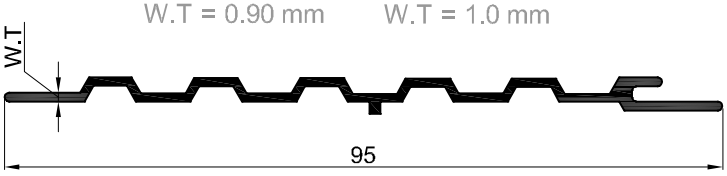
KICK PLATES & KICK TUBES

KICK PLATE & KICK TUBE

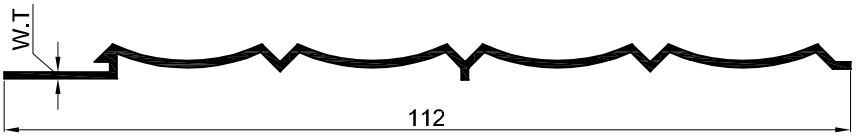


12214
(0.274 Kg/m)
W.T = 0.90 mm

12224
(0.298 Kg/m)
W.T = 1.0 mm

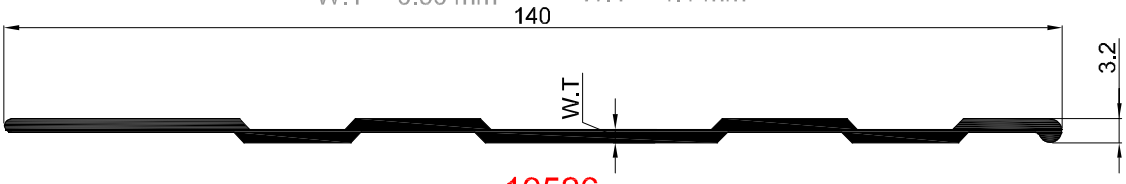


12059A
(0.354 Kg/m)
W.T = 1.10 mm

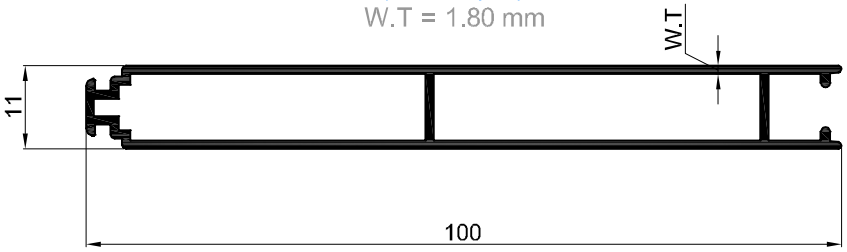


19310
(0.312 Kg/m)
W.T = 0.90 mm

19284
(0.379 Kg/m)
W.T = 1.1 mm



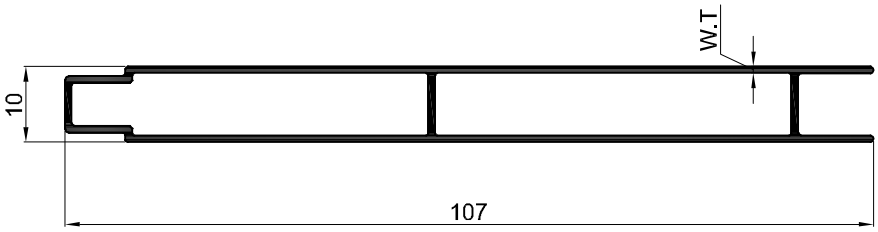
19526
(0.704Kg/m)
W.T = 1.80 mm



15130
(0.691Kg/m)
W.T = 1.10 mm

15130A
(0.570Kg/m)
W.T = 0.90 mm

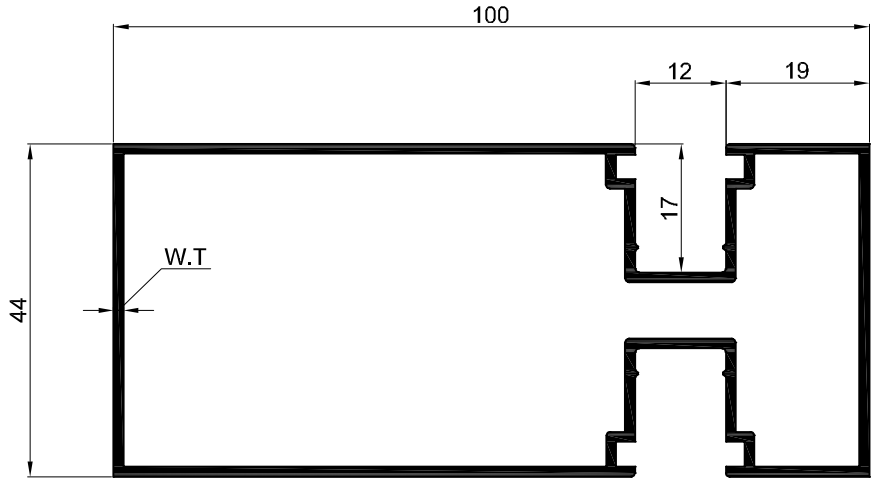
15130B
(0.560Kg/m)
W.T = 0.88 mm



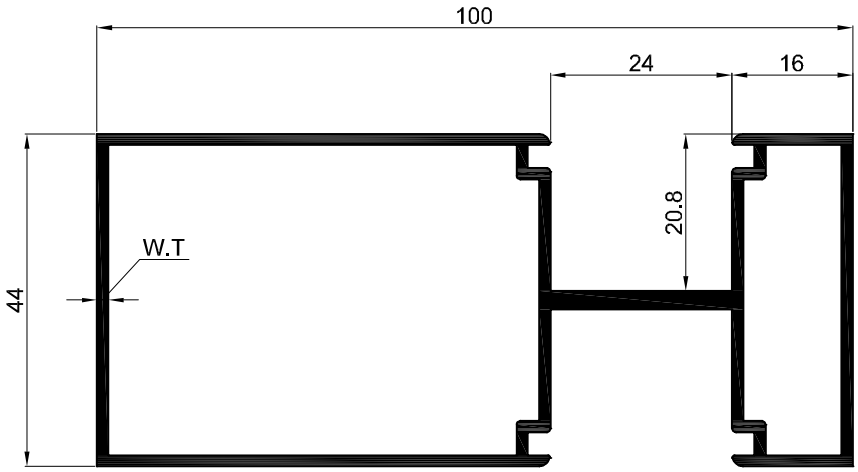
15391
(0.561kg/m)
W.T = 0.85 mm

FIXED LIGHTS

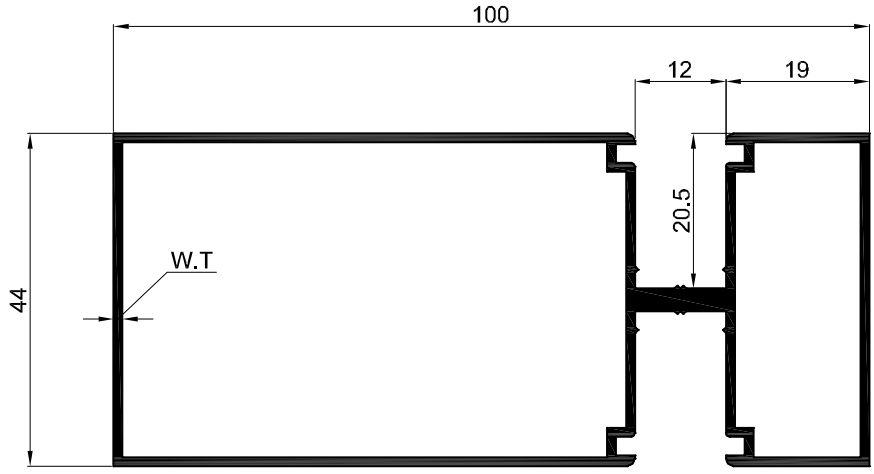
FIXED LIGHTS



15031
(1.270 Kg/m)
W.T = 1.30 mm

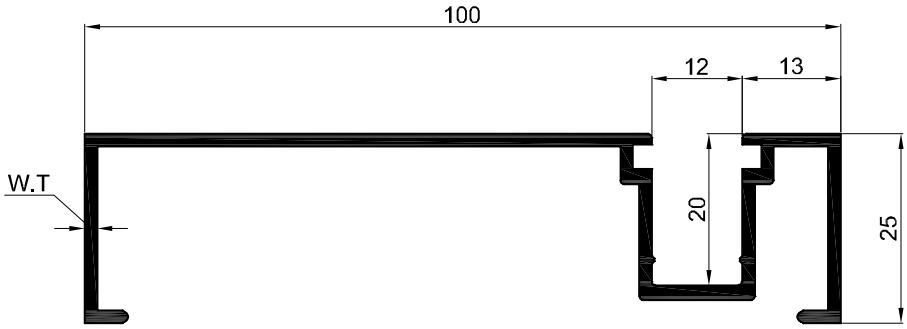


15402
(1.478 Kg/m)
W.T = 1.50 mm

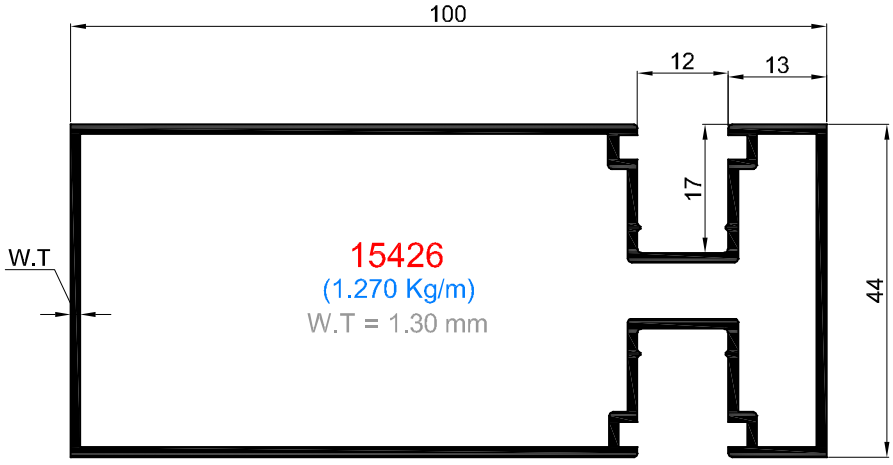


15326
(1.245 Kg/m)
W.T = 1.20 mm

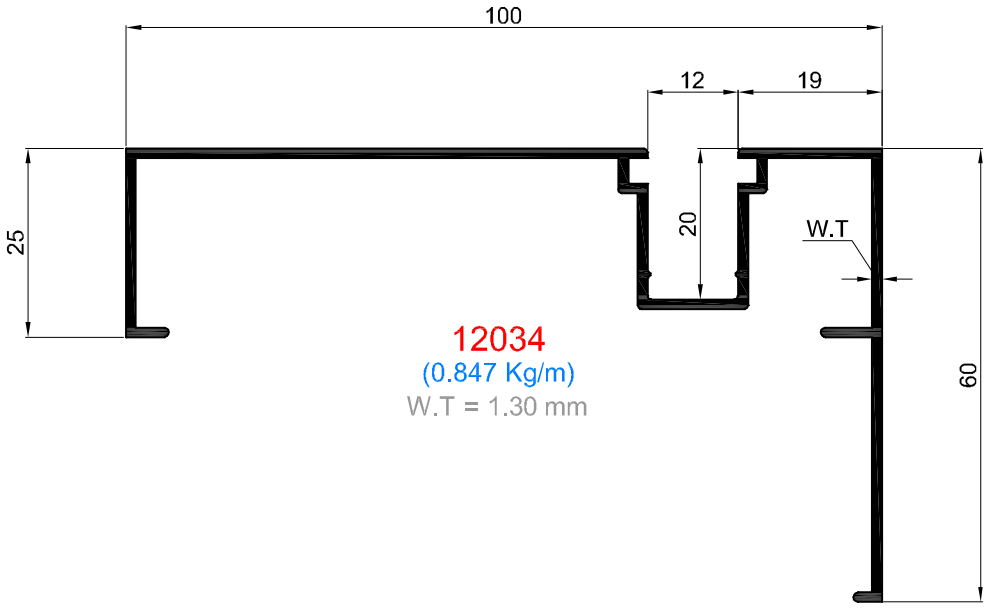
FIXED LIGHTS



12035A
(0.805 Kg/m)
W.T = 1.45 mm

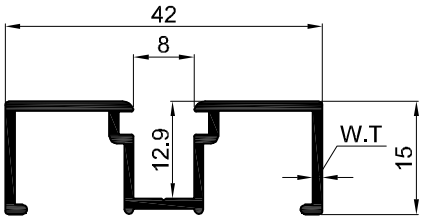


15426
(1.270 Kg/m)
W.T = 1.30 mm

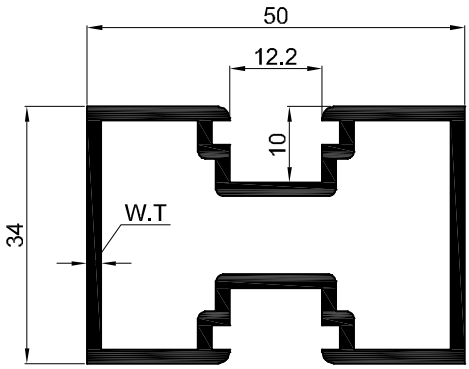


12034
(0.847 Kg/m)
W.T = 1.30 mm

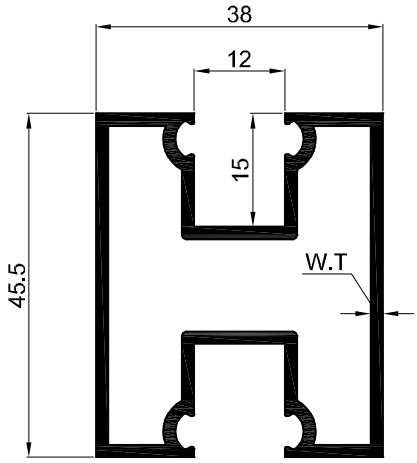
FIXED LIGHTS



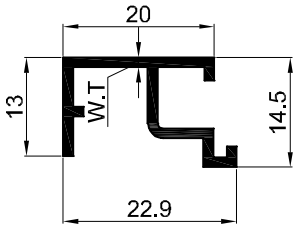
12168
(0.359 Kg/m)
W.T = 1.25 mm



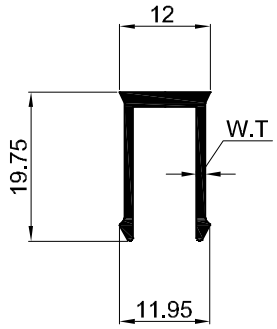
15333
(1.040 Kg/m)
W.T = 1.85 mm



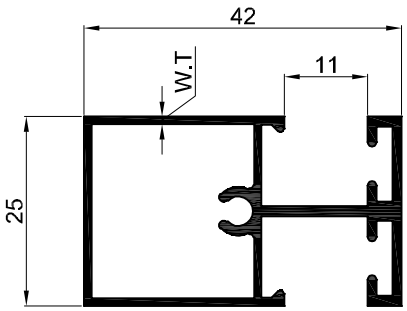
15030
(1.002 Kg/m)
W.T = 1.65 mm



12028
(0.208 Kg/m)
W.T = 1.30 mm



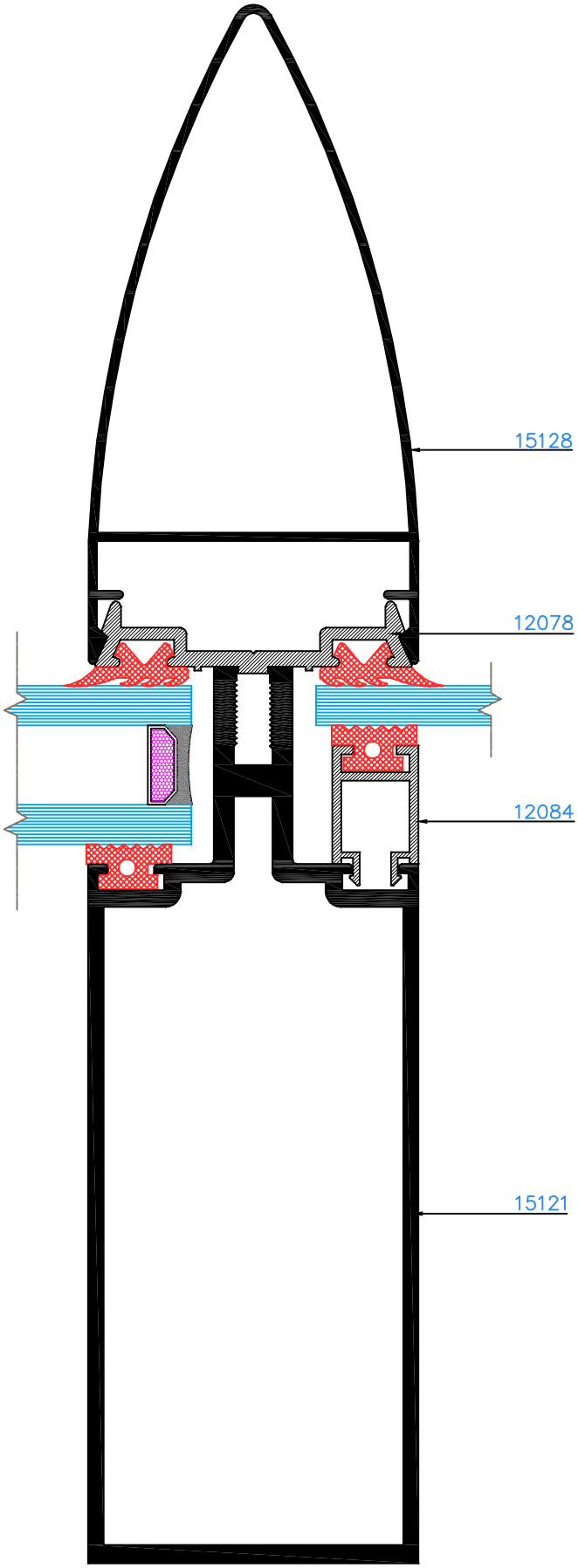
12029
(0.172 Kg/m)
W.T = 1.15 mm



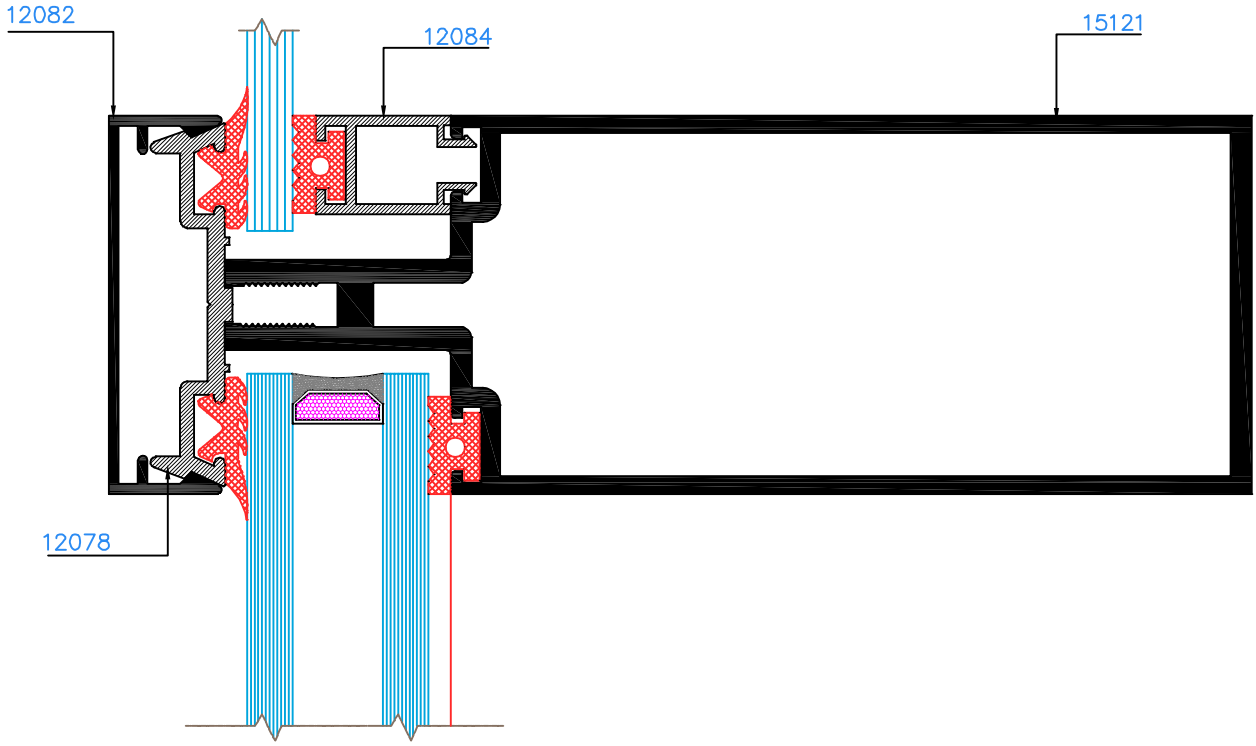
21106
(0.417 Kg/m)
W.T = 0.80 mm

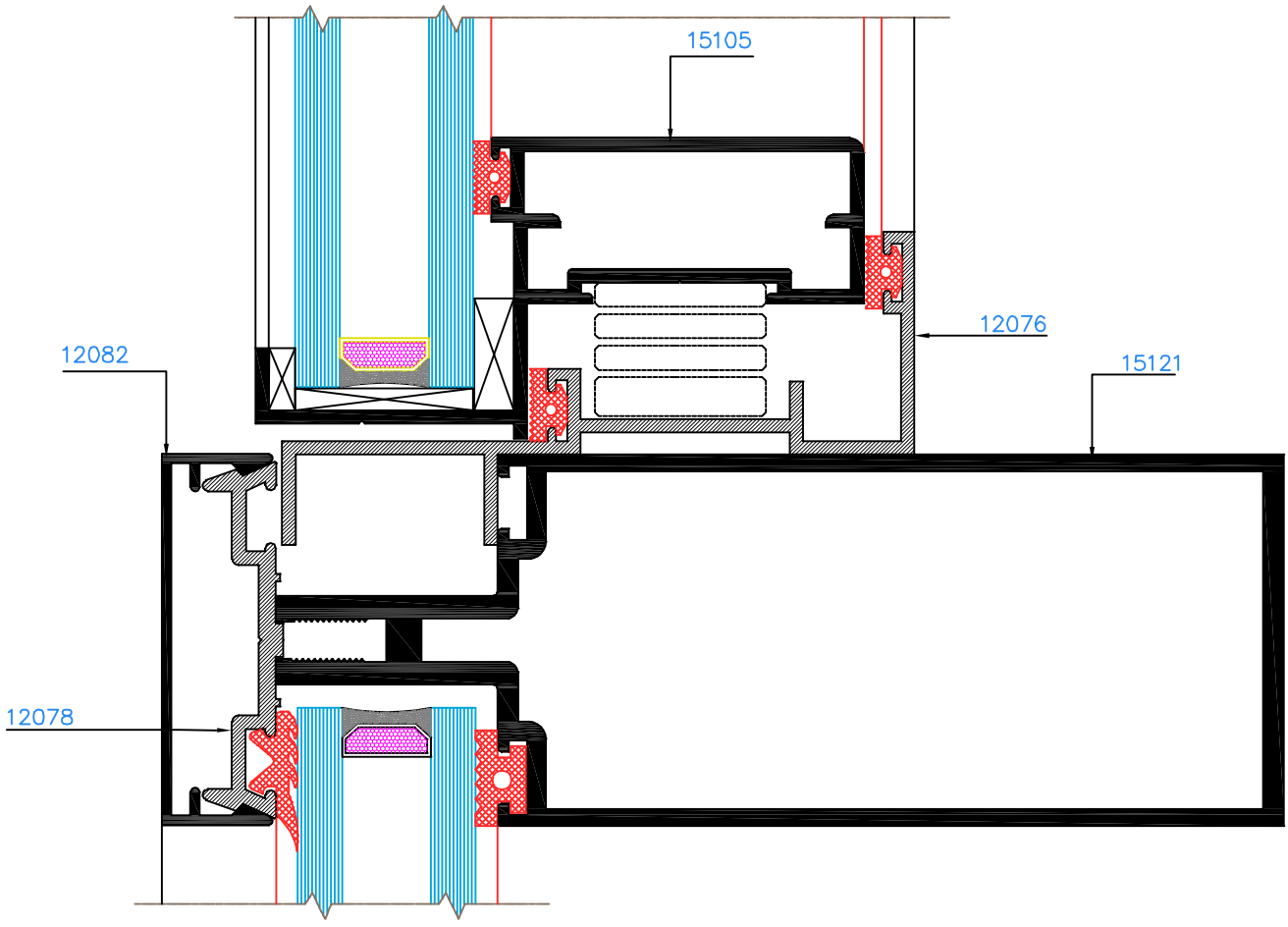
CURTAIN WALL

50 MM CURTAIN WALL

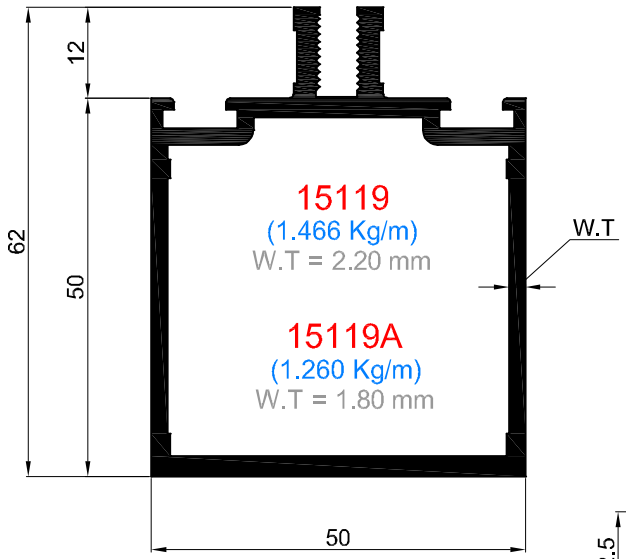


50 MM CURTAIN WALL



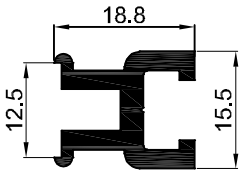


50 MM CURTAIN WALL

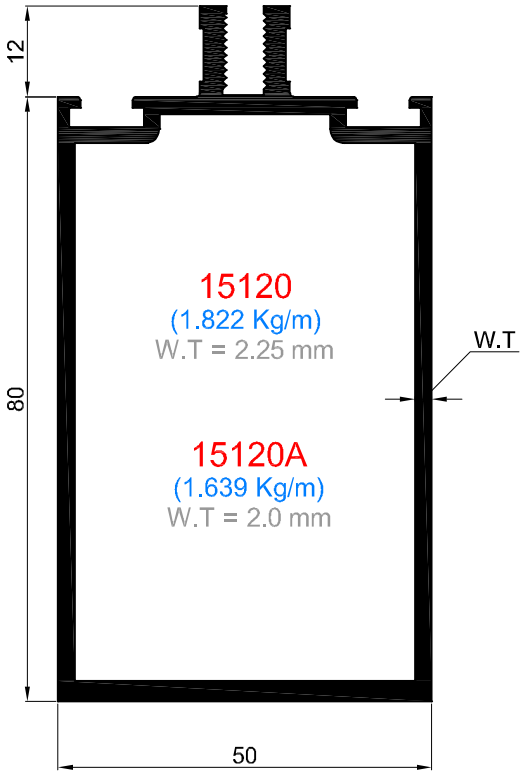


15119
(1.466 Kg/m)
W.T = 2.20 mm

15119A
(1.260 Kg/m)
W.T = 1.80 mm

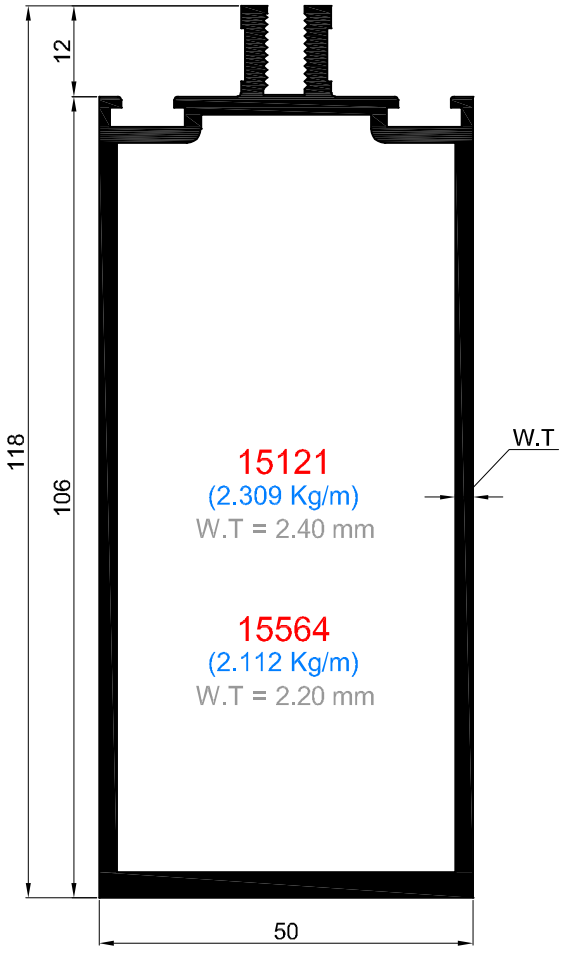


12080
(0.349 Kg/m)
W.T = 2.50 mm



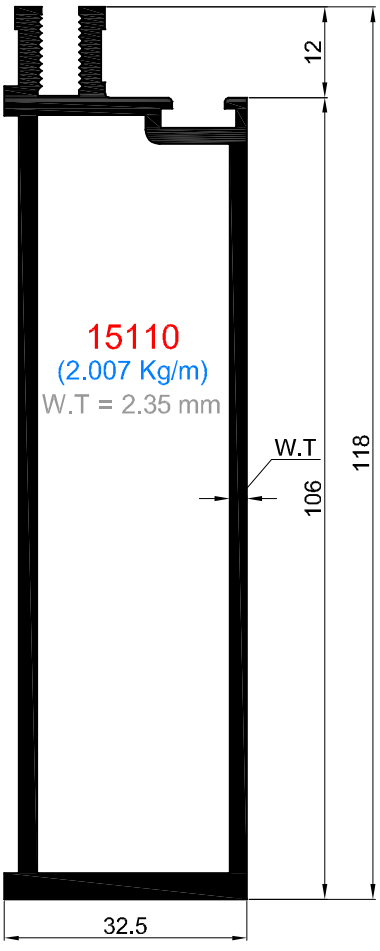
15120
(1.822 Kg/m)
W.T = 2.25 mm

15120A
(1.639 Kg/m)
W.T = 2.0 mm

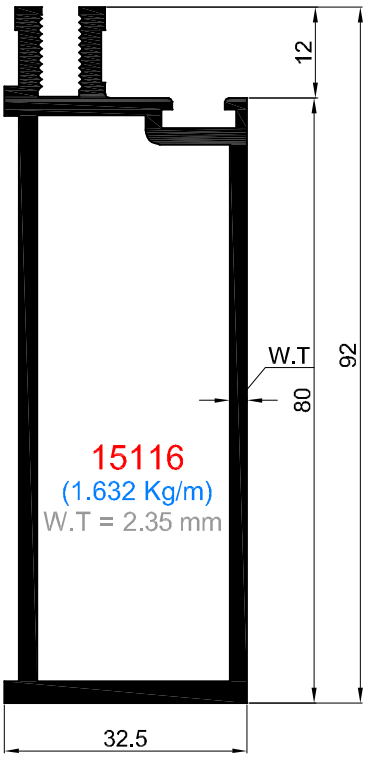


15121
(2.309 Kg/m)
W.T = 2.40 mm

15564
(2.112 Kg/m)
W.T = 2.20 mm

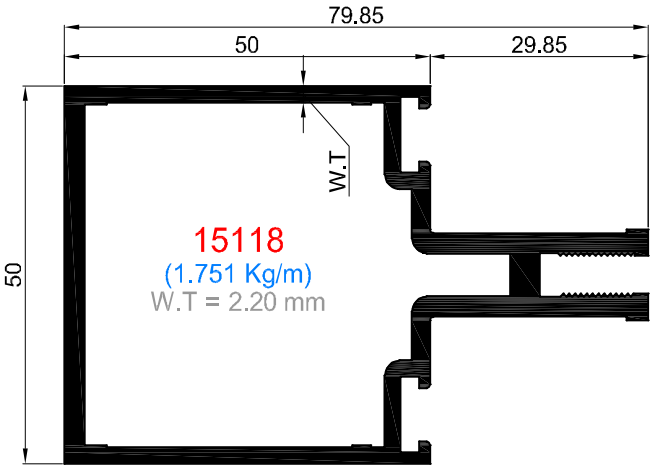


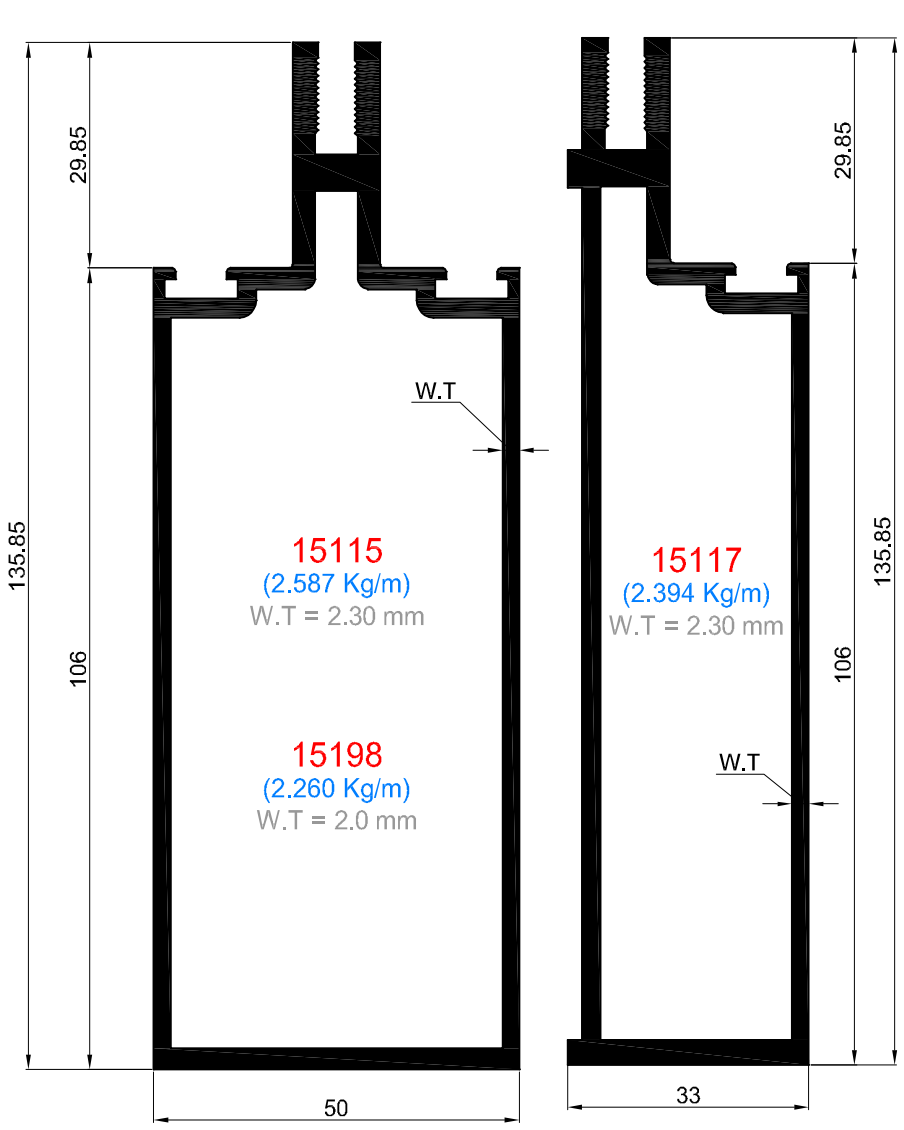
15110
(2.007 Kg/m)
W.T = 2.35 mm

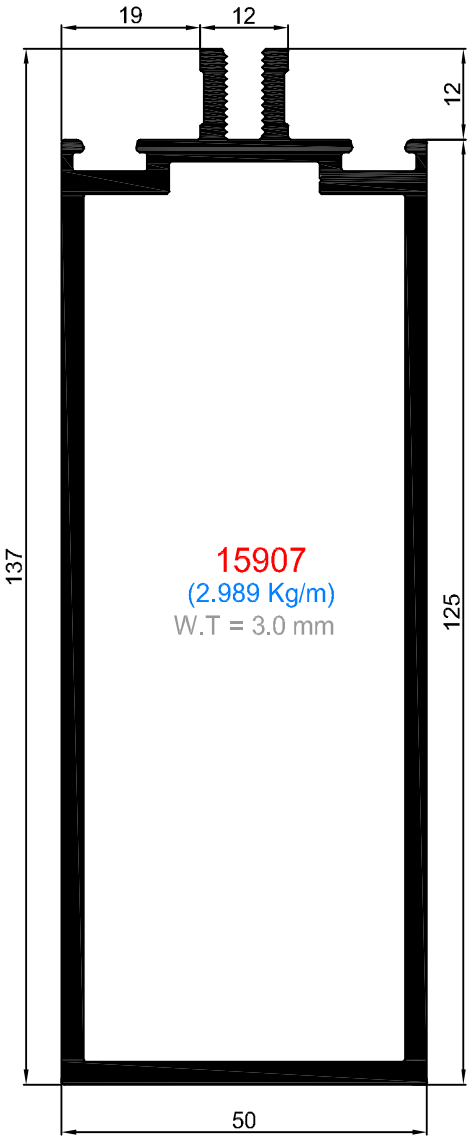


15116
(1.632 Kg/m)
W.T = 2.35 mm

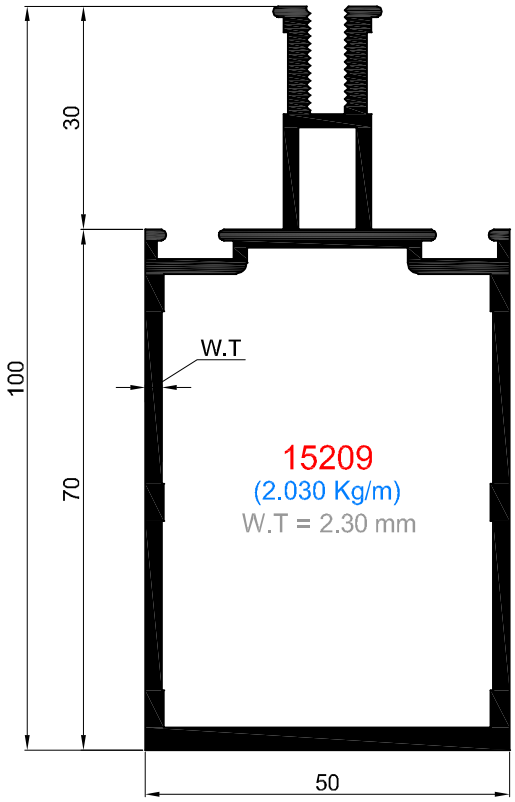
50 MM CURTAIN WALL

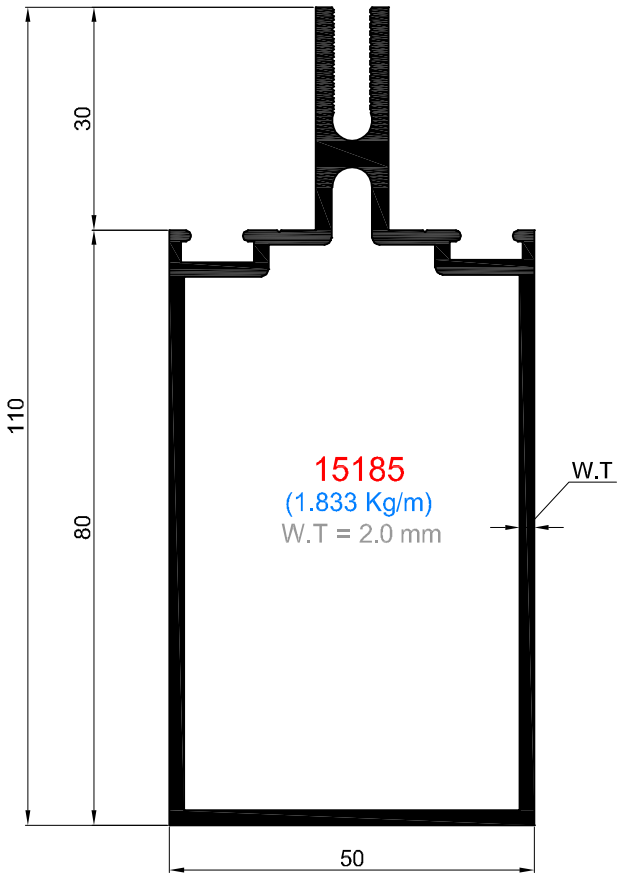


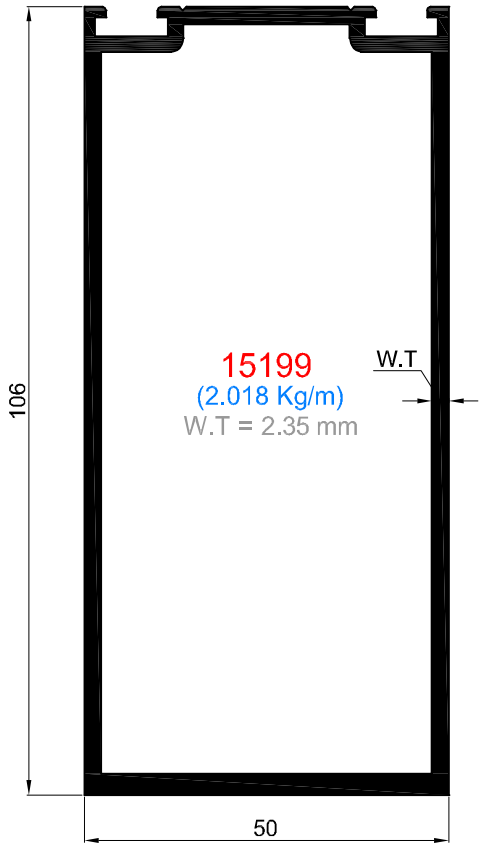


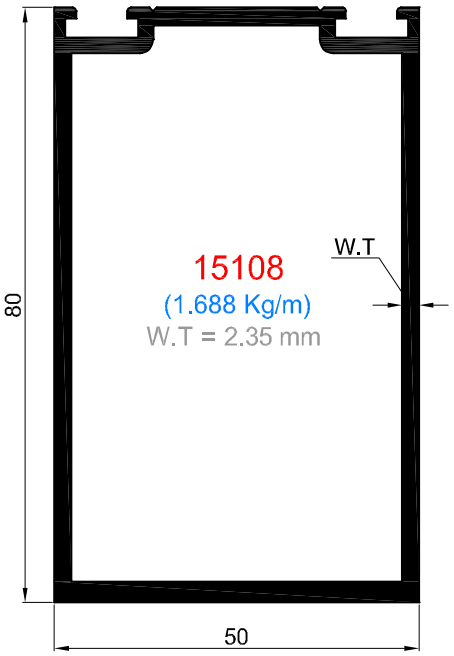


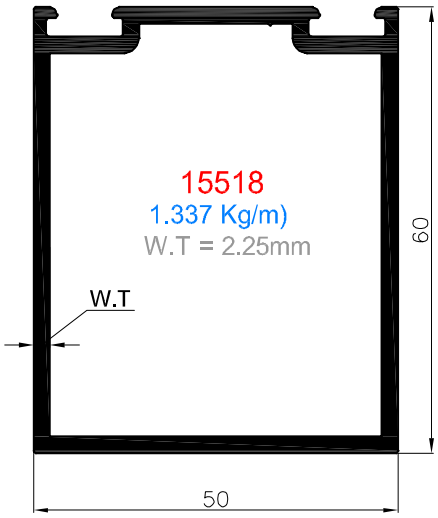
50 MM CURTAIN WALL



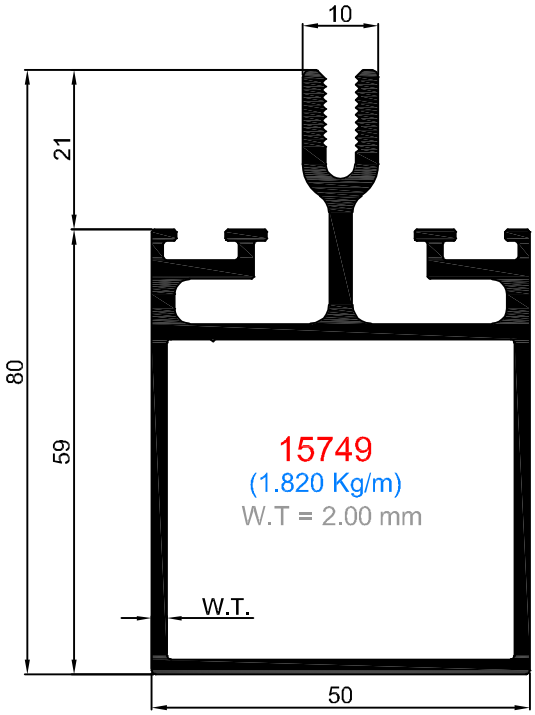


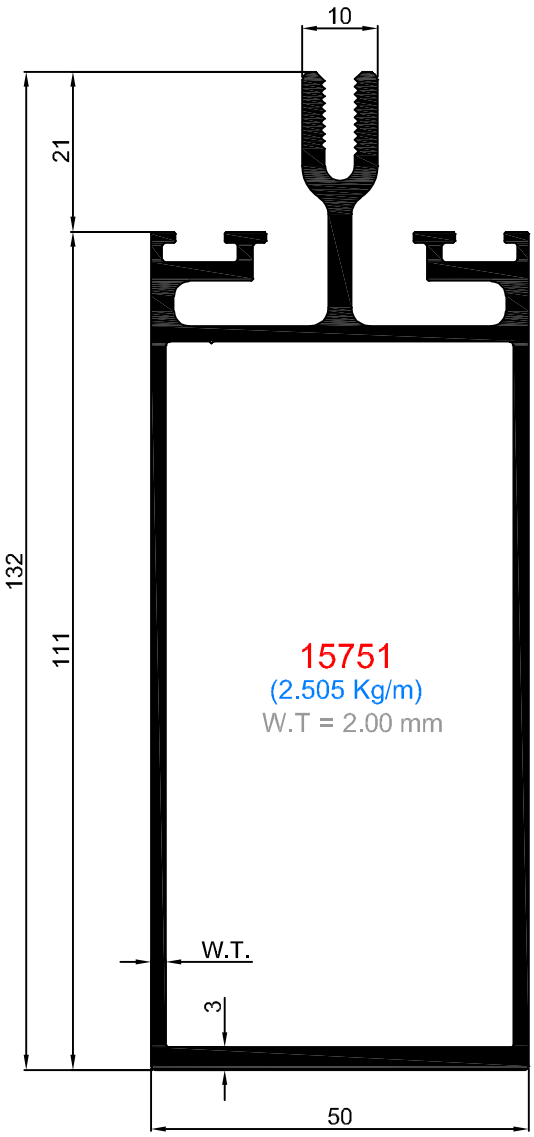


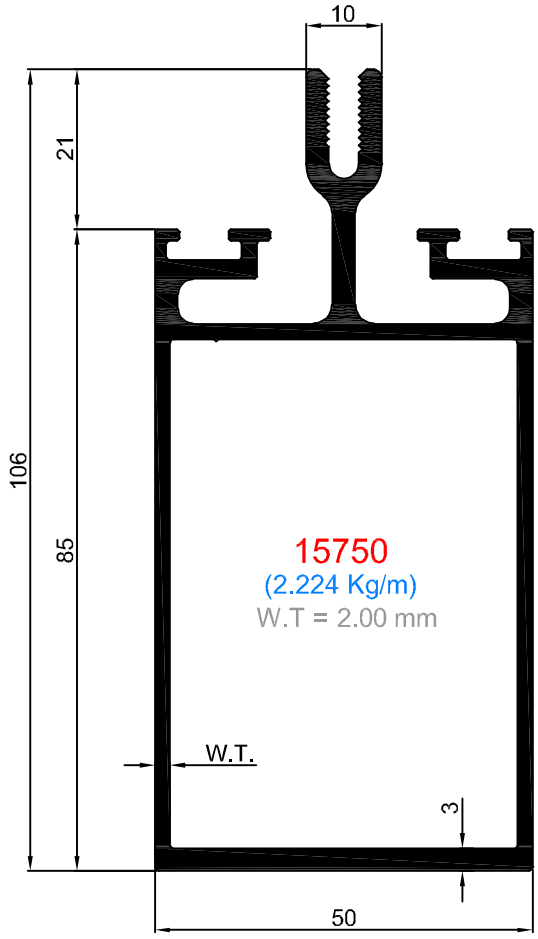


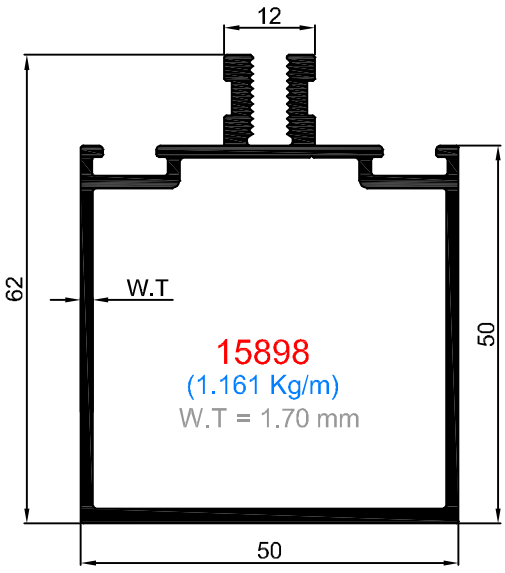


50 MM CURTAIN WALL

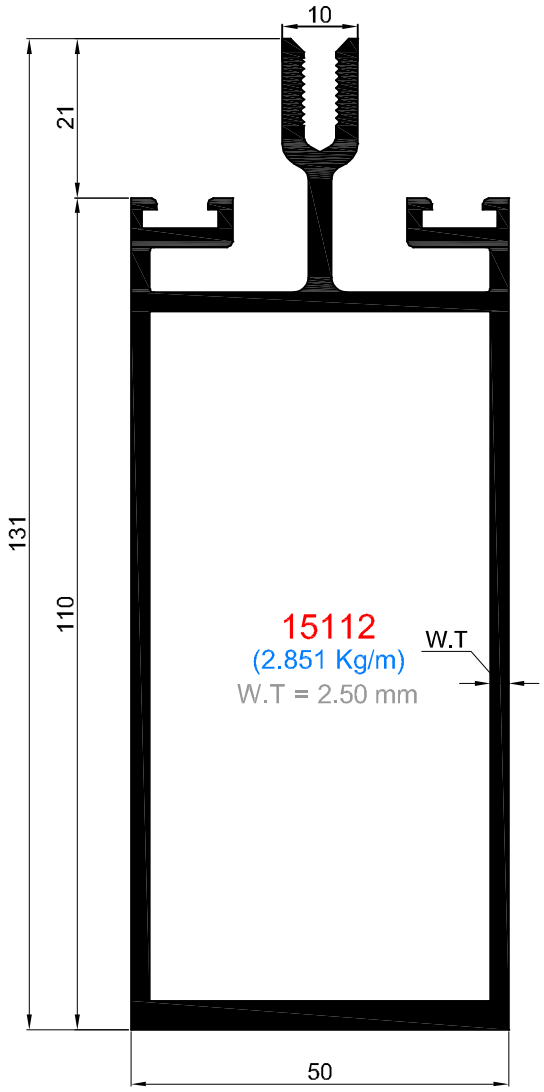


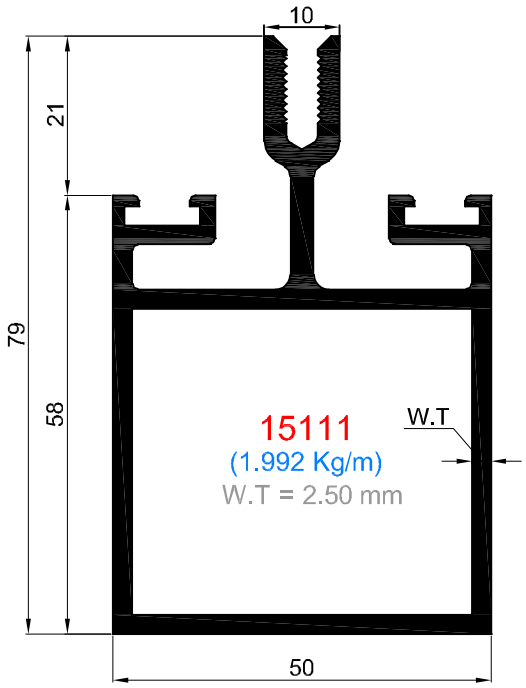




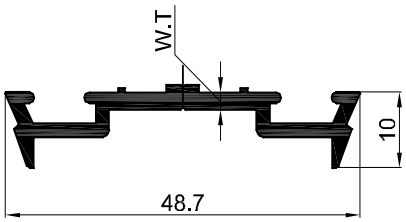


50 MM CURTAIN WALL

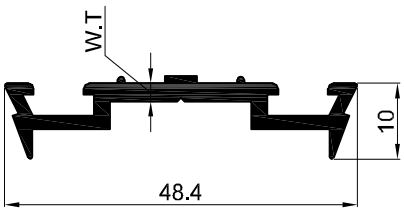




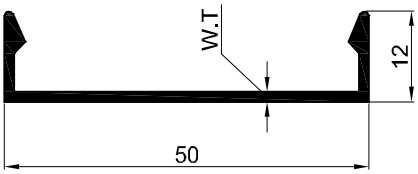
50 MM CURTAIN WALL



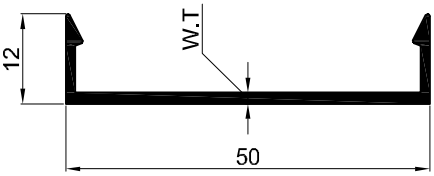
12078
(0.417 Kg/m)
W.T = 2.35 mm



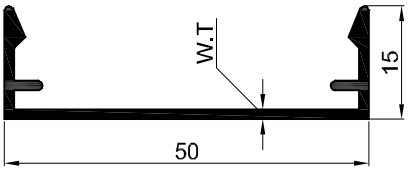
12176
(0.415 Kg/m)
W.T = 2.40 mm



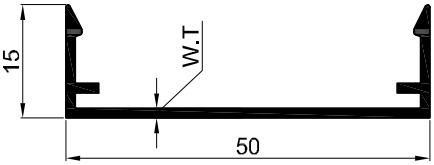
12083
(0.269 Kg/m)
W.T = 1.20 mm



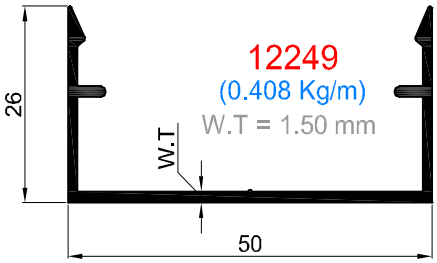
12177
(0.275 Kg/m)
W.T = 1.45 mm



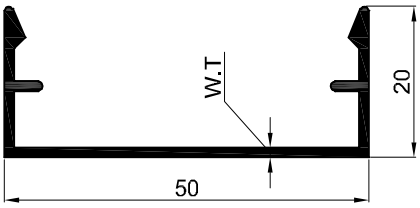
12082
(0.317 Kg/m)
W.T = 1.30 mm



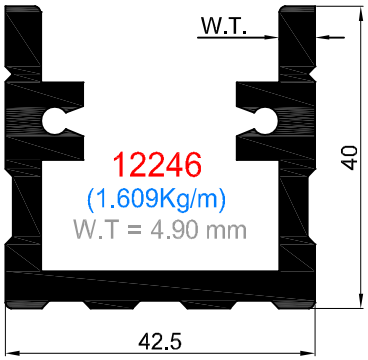
12178
(0.289 Kg/m)
W.T = 1.25 mm



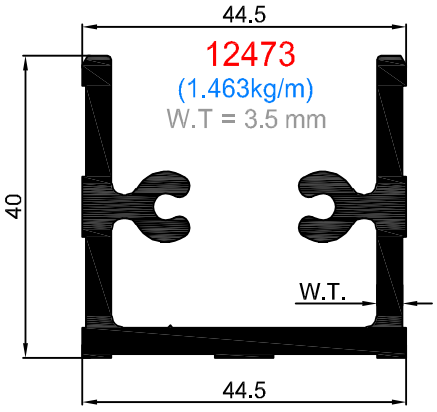
12249
(0.408 Kg/m)
W.T = 1.50 mm



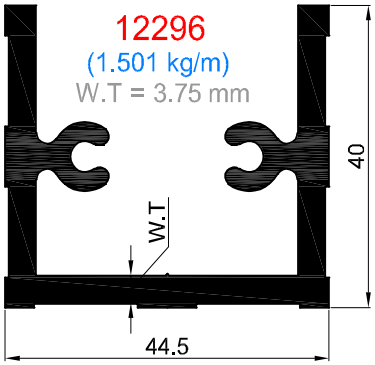
12081
(0.352 Kg/m)
W.T = 1.30 mm



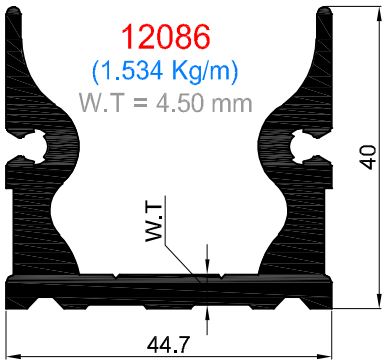
12246
(1.609Kg/m)
W.T = 4.90 mm



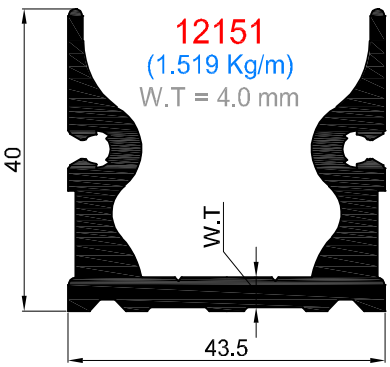
12473
(1.463kg/m)
W.T = 3.5 mm



12296
(1.501 kg/m)
W.T = 3.75 mm

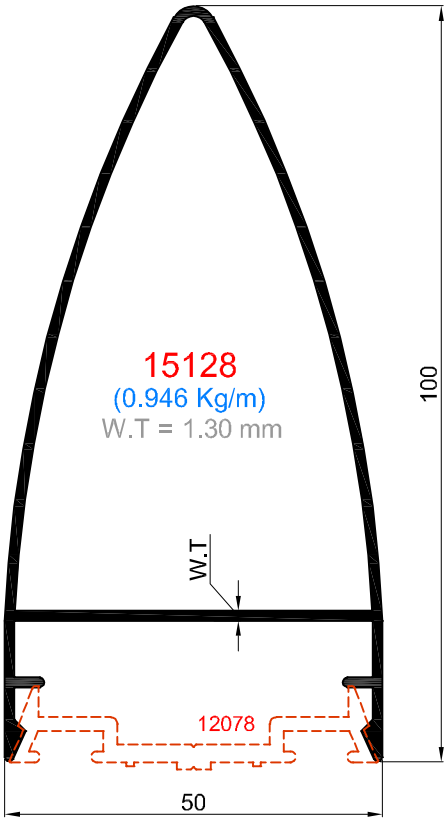


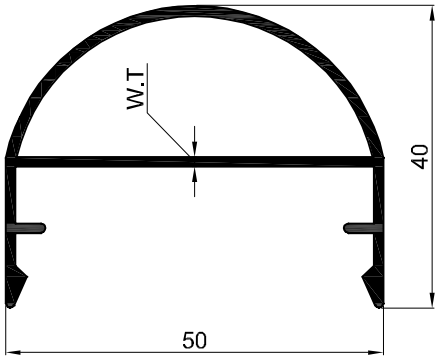
12086
(1.534 Kg/m)
W.T = 4.50 mm



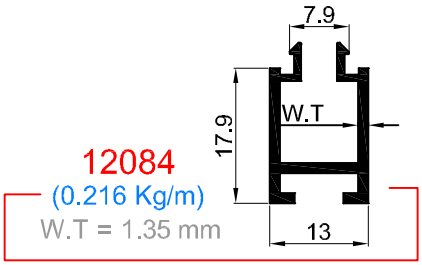
12151
(1.519 Kg/m)
W.T = 4.0 mm

50 MM CURTAIN WALL

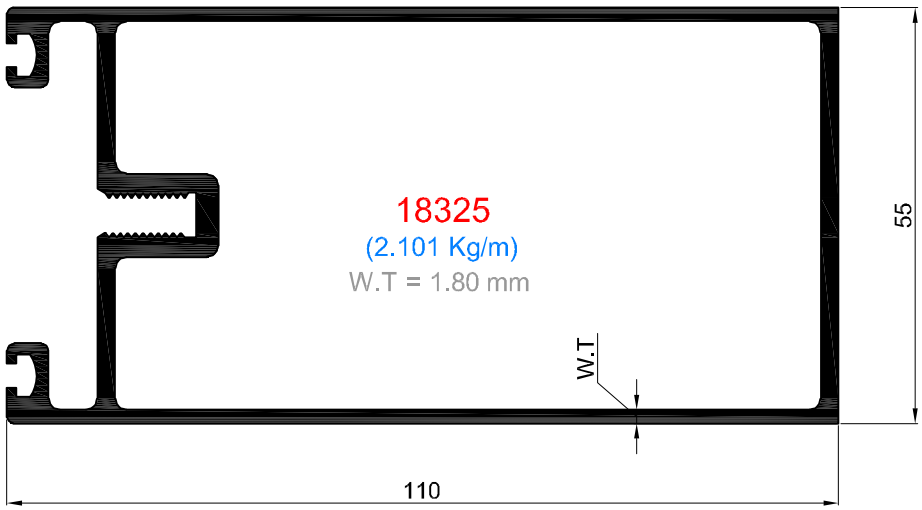




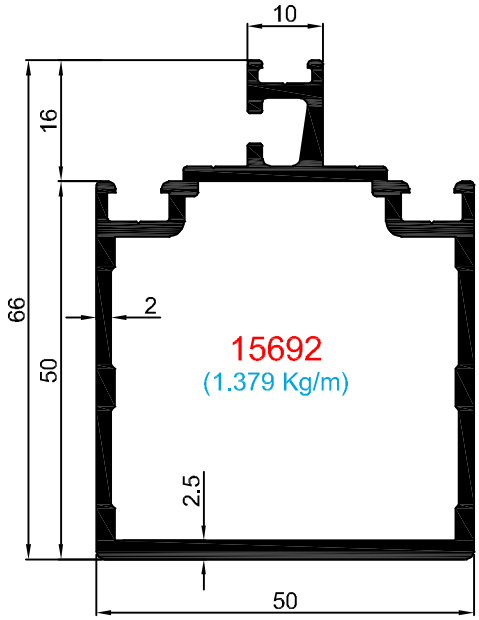
15129
(0.588 Kg/m)
W.T = 1.30 mm

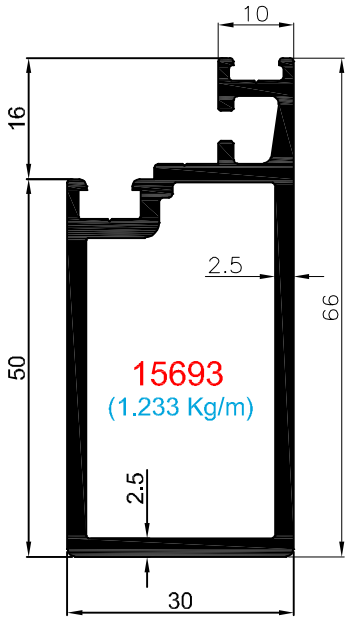


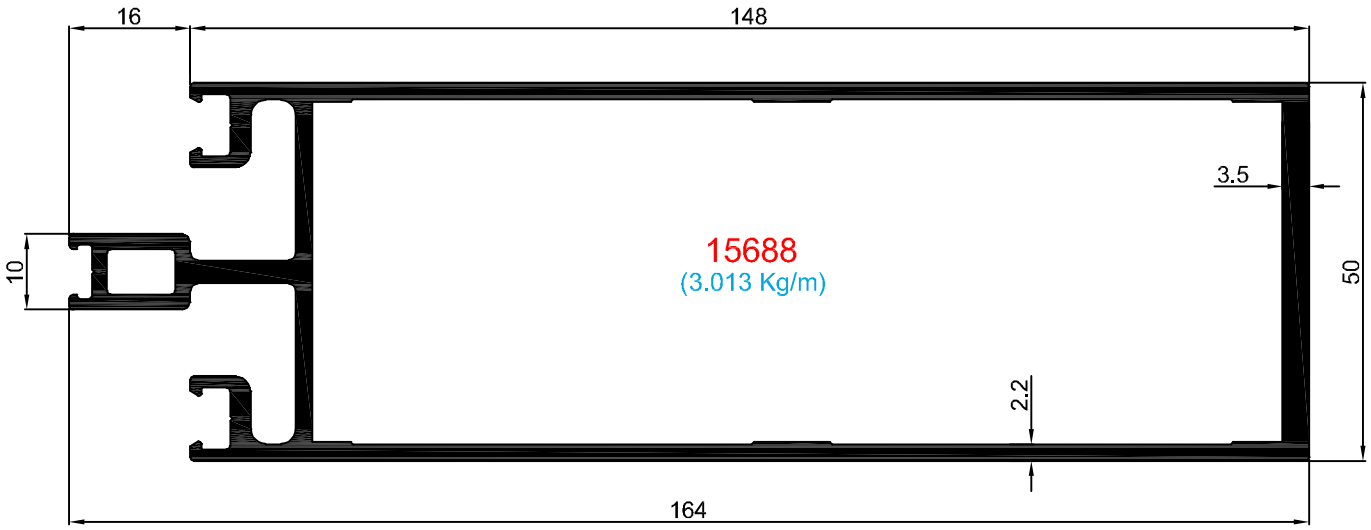
12084
(0.216 Kg/m)
W.T = 1.35 mm



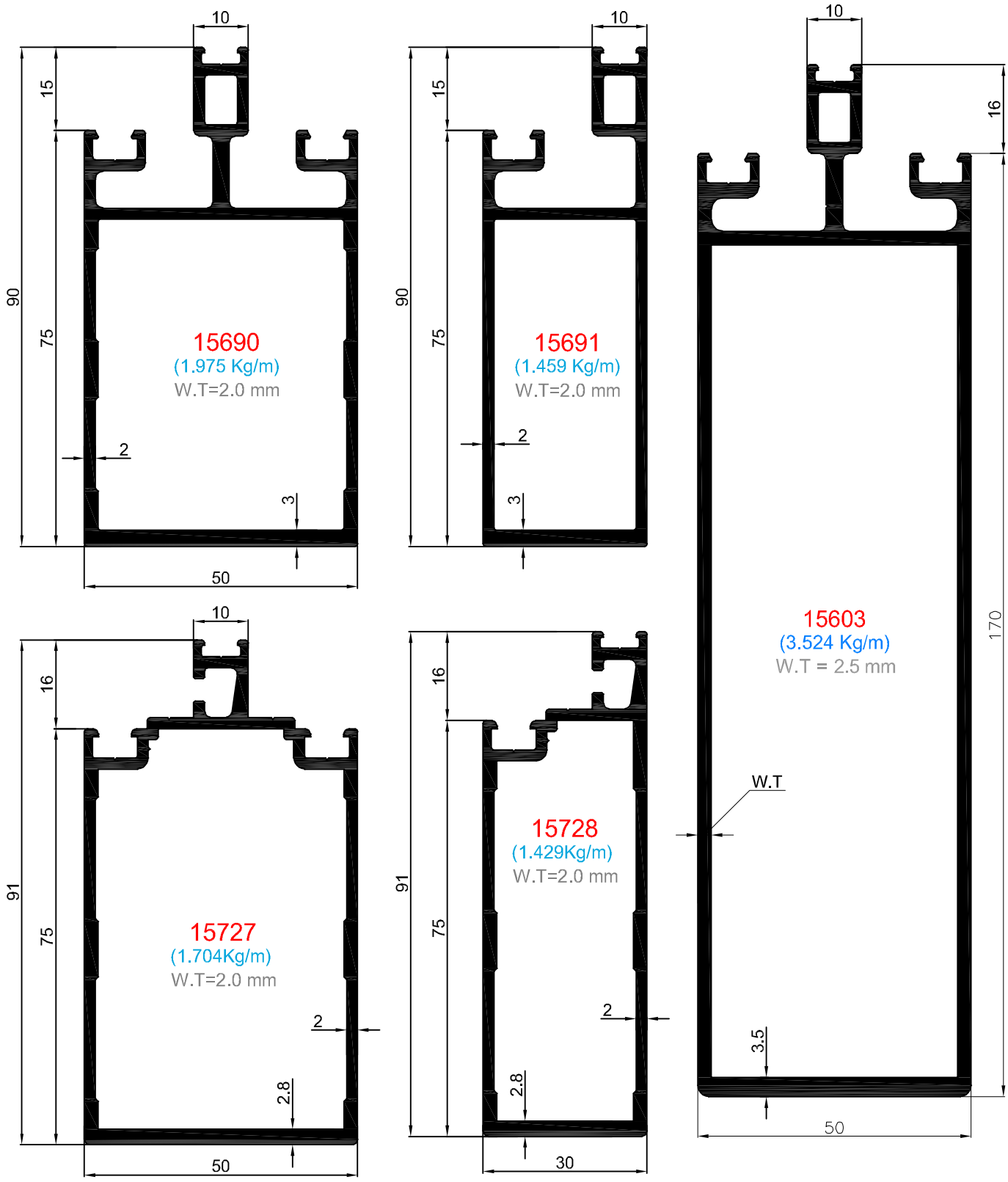
50 MM CURTAIN WALL



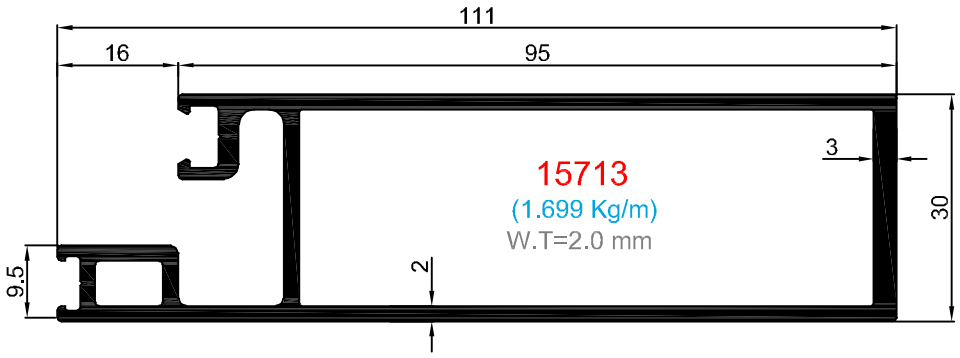


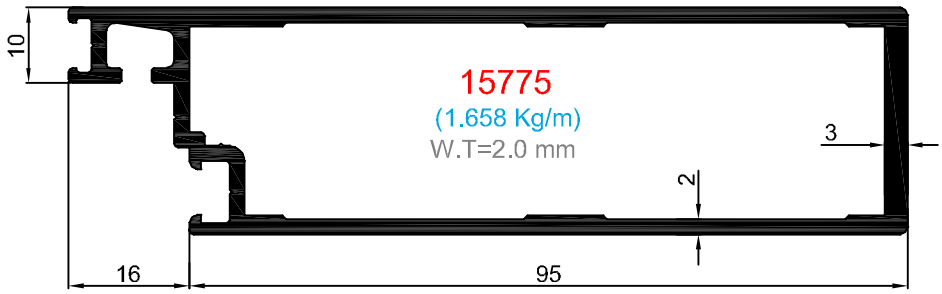


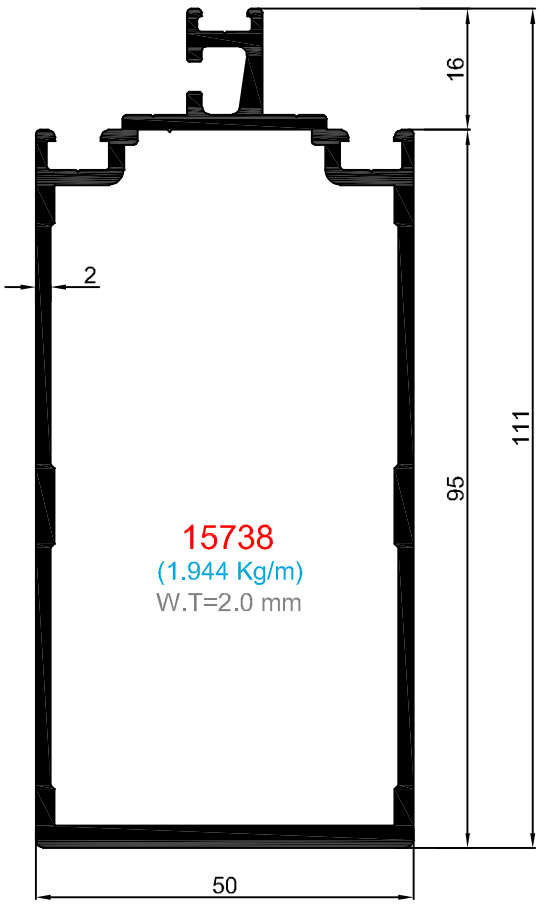
50 MM CURTAIN WALL

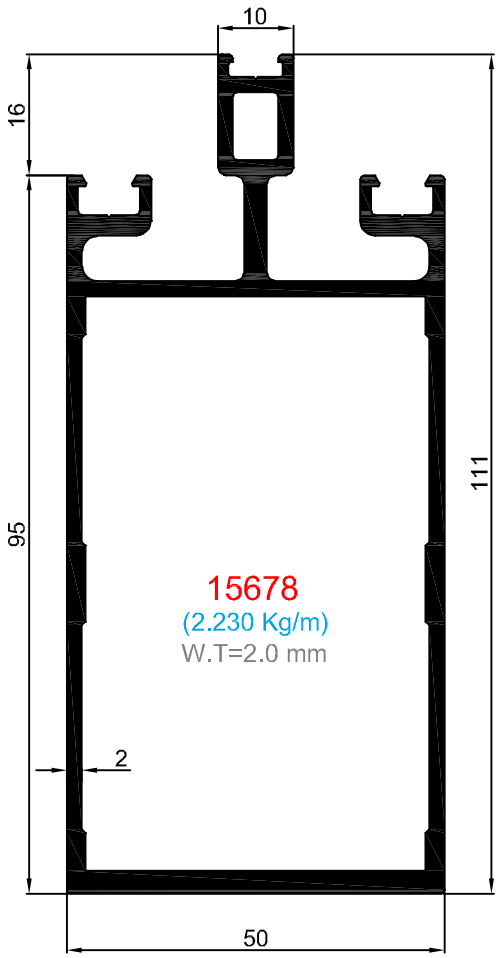


50 MM CURTAIN WALL

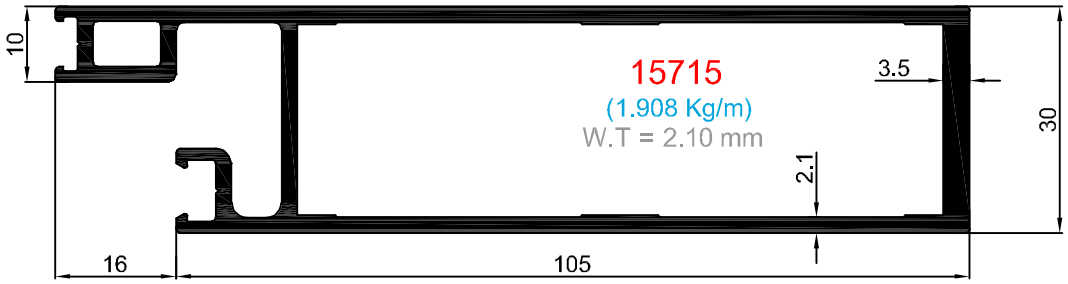




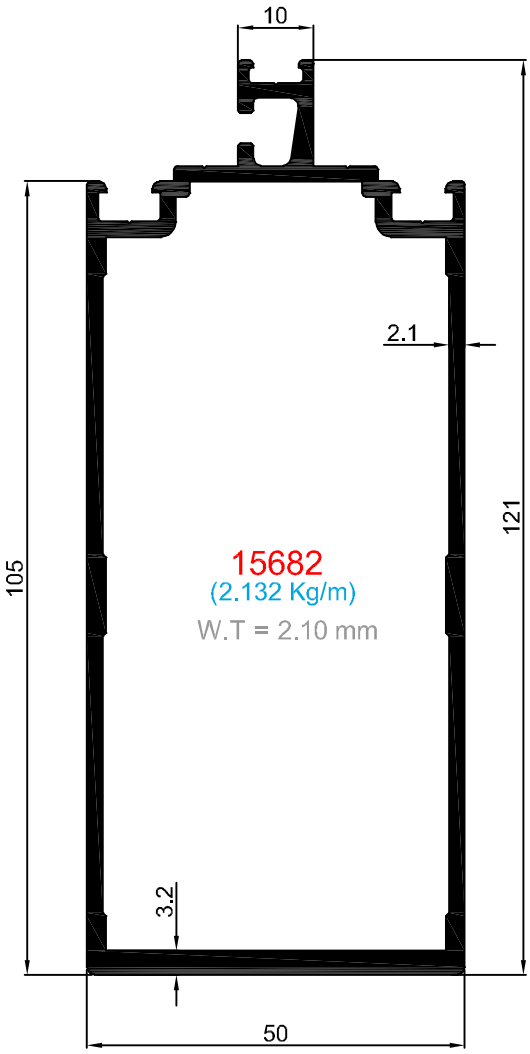


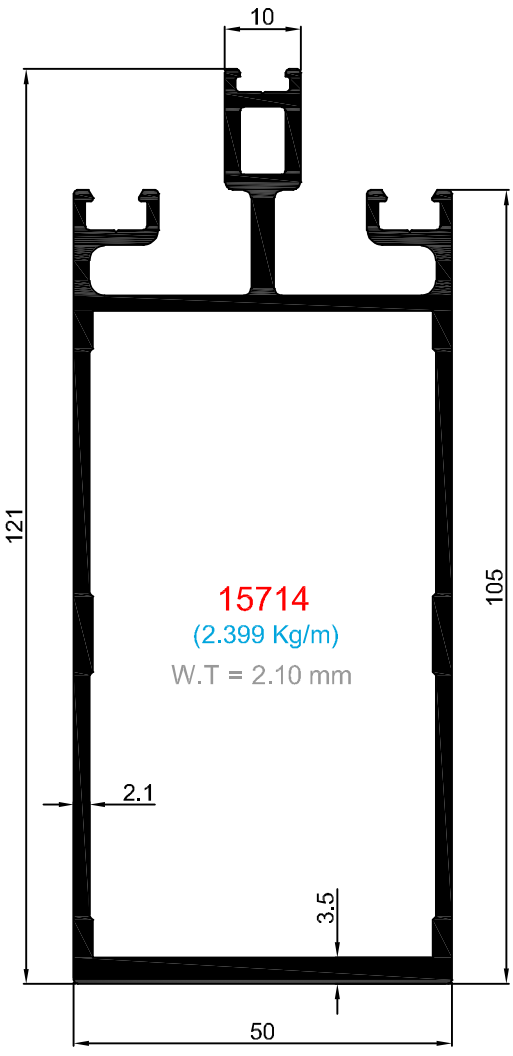


50 MM CURTAIN WALL

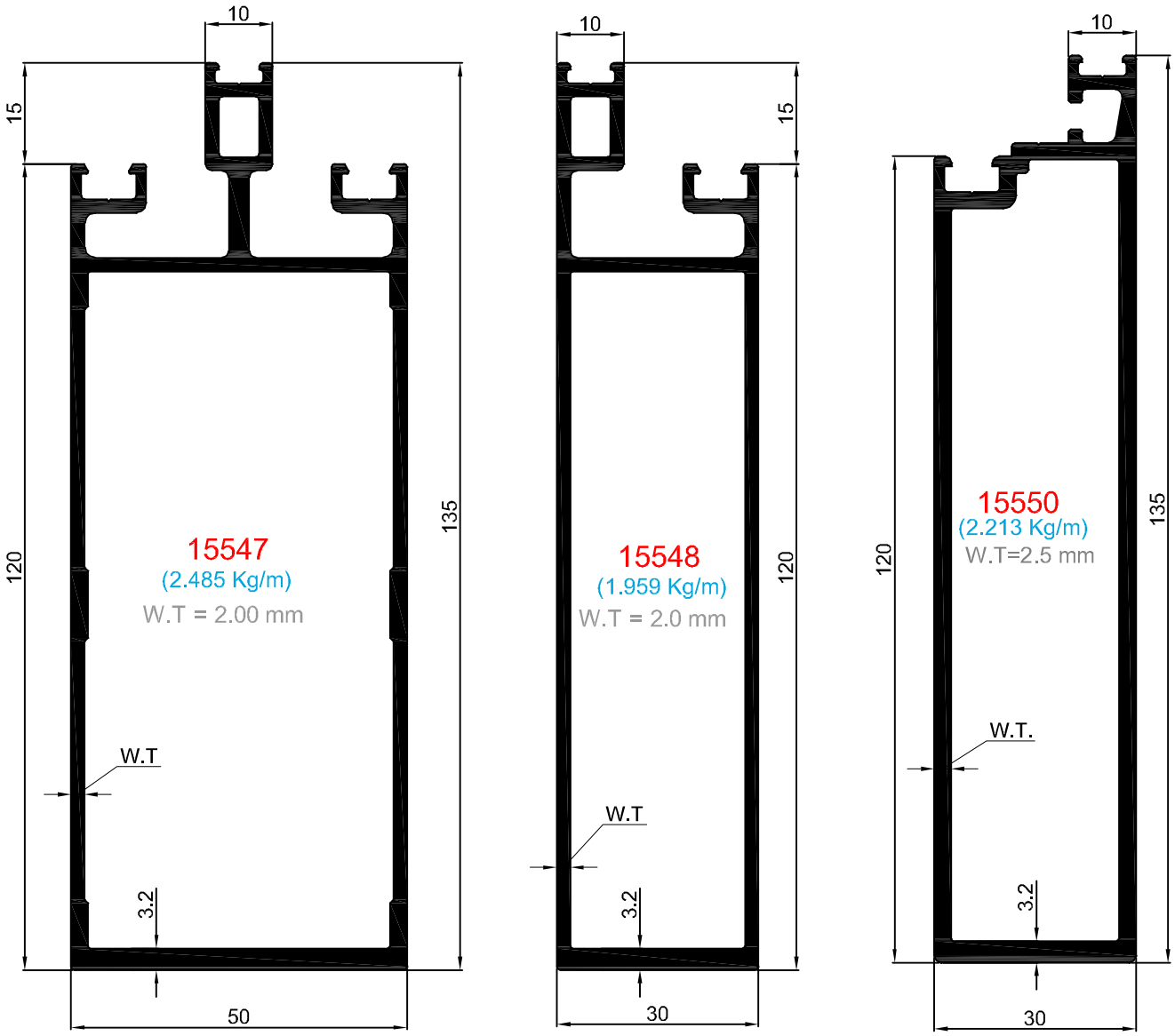


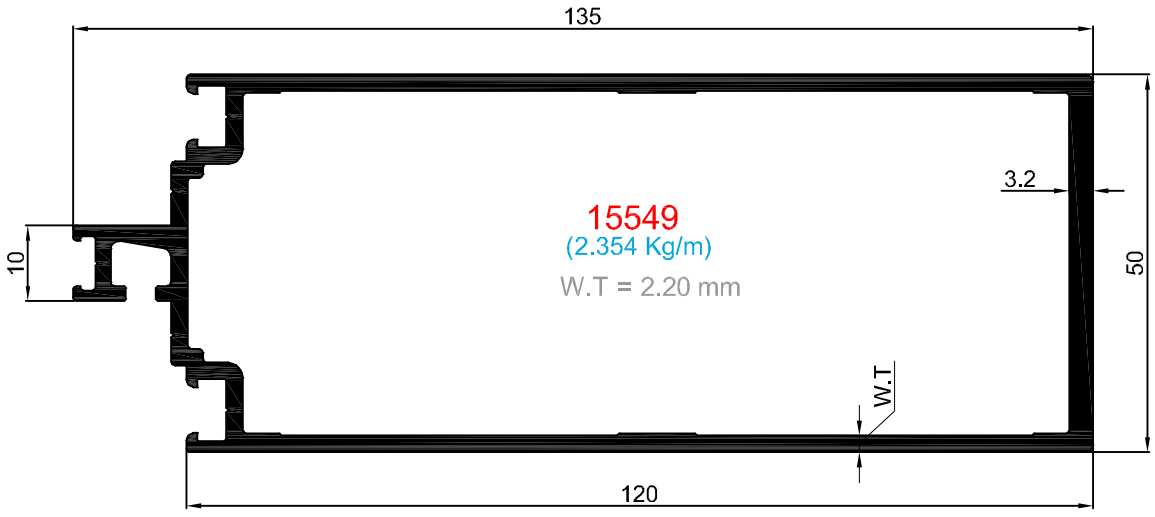




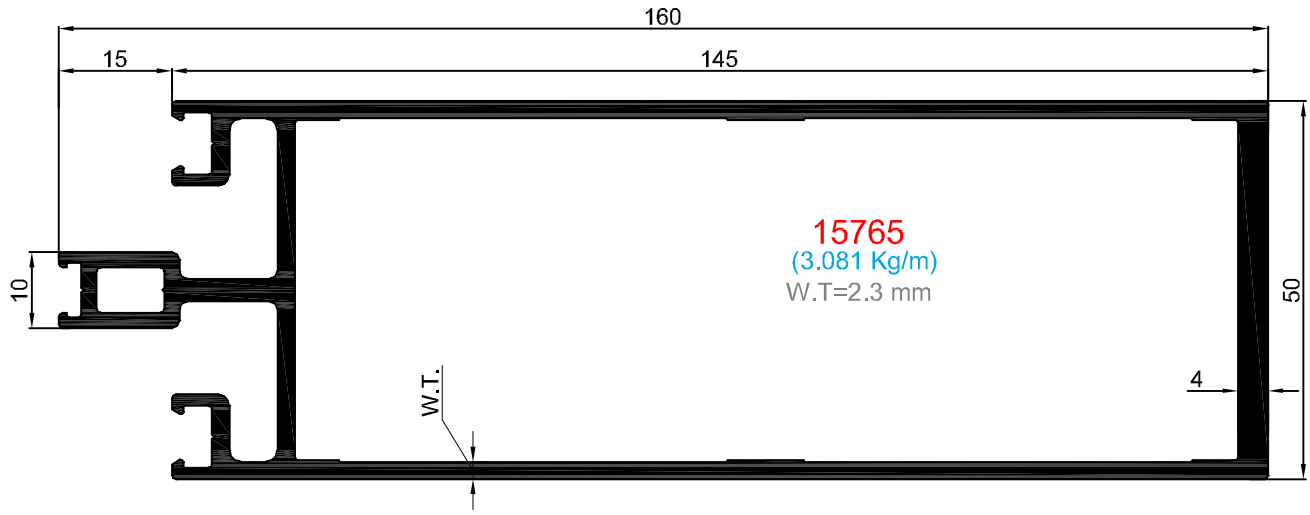


50 MM CURTAIN WALL

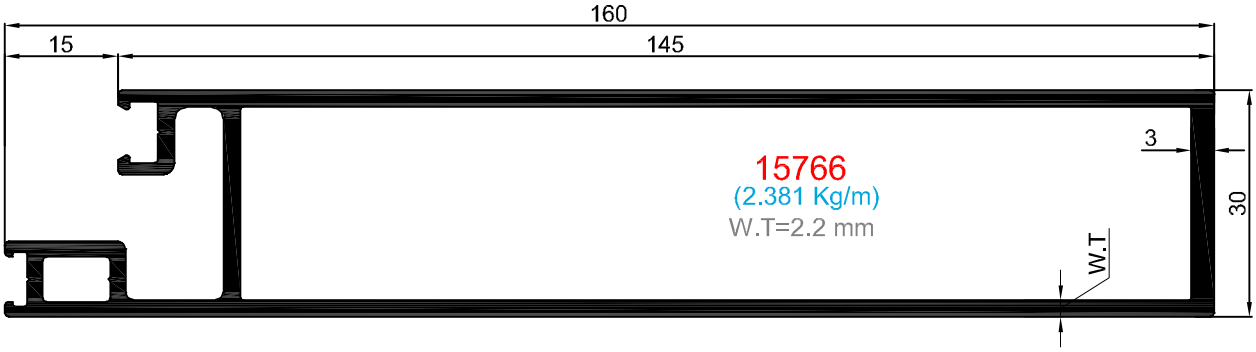




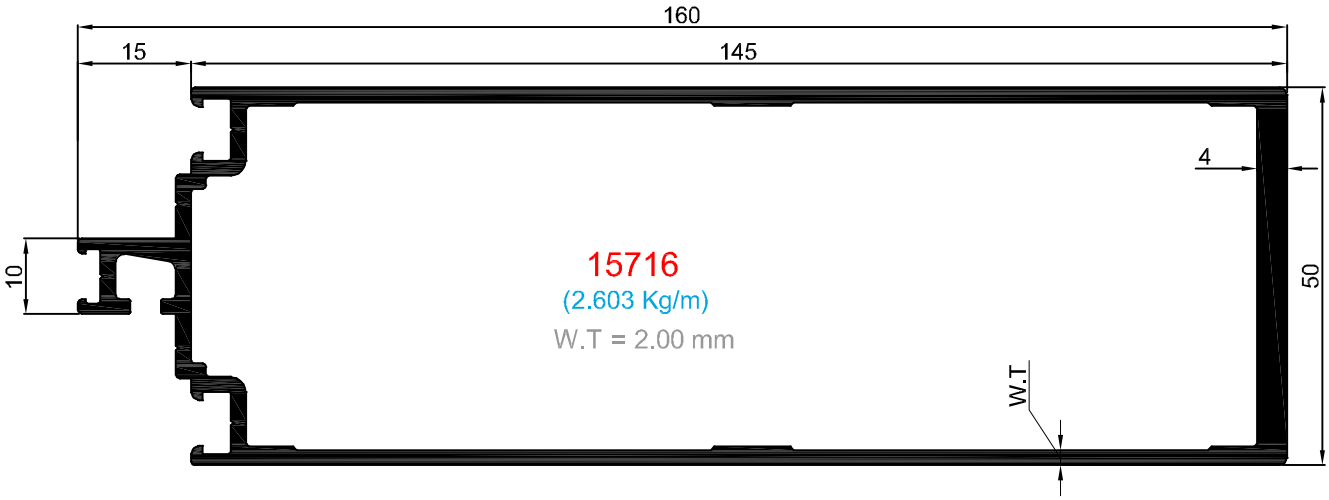
50 MM CURTAIN WALL



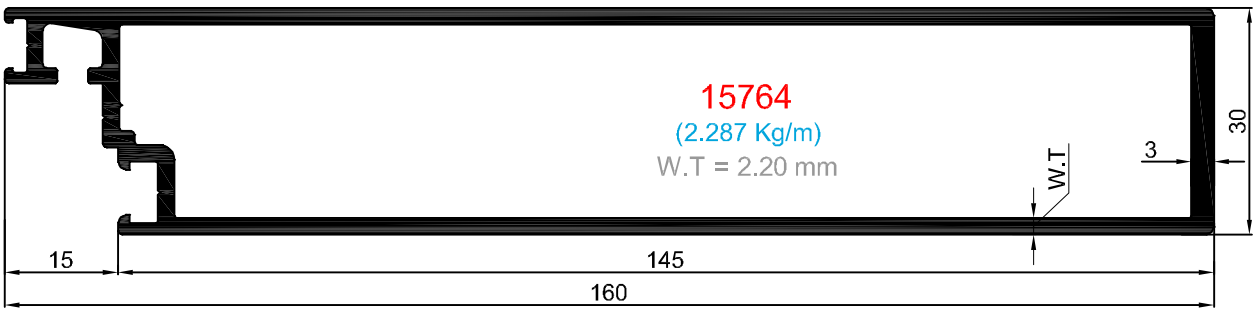
15765
(3.081 Kg/m)
W.T=2.3 mm



15766
(2.381 Kg/m)
W.T=2.2 mm

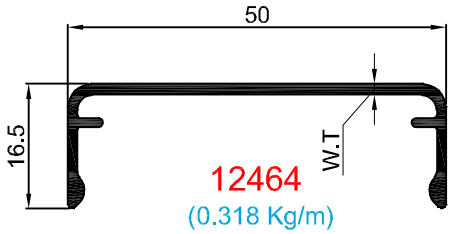


15716
(2.603 Kg/m)
W.T = 2.00 mm

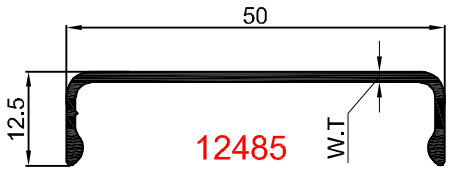


15764
(2.287 Kg/m)
W.T = 2.20 mm

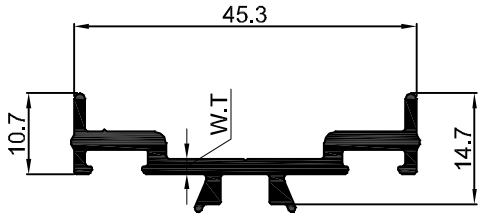
50 MM CURTAIN WALL



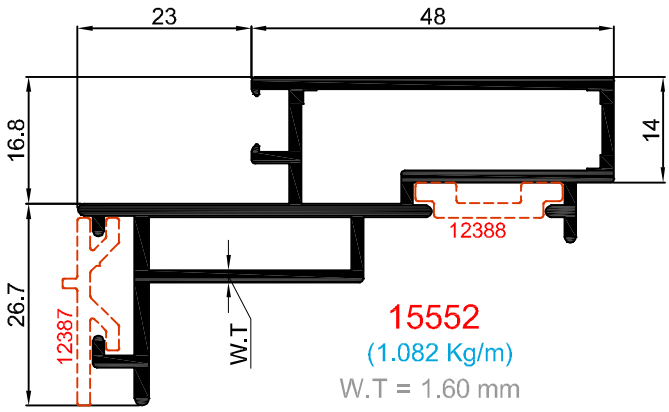
12464
(0.318 Kg/m)
W.T = 1.40 mm



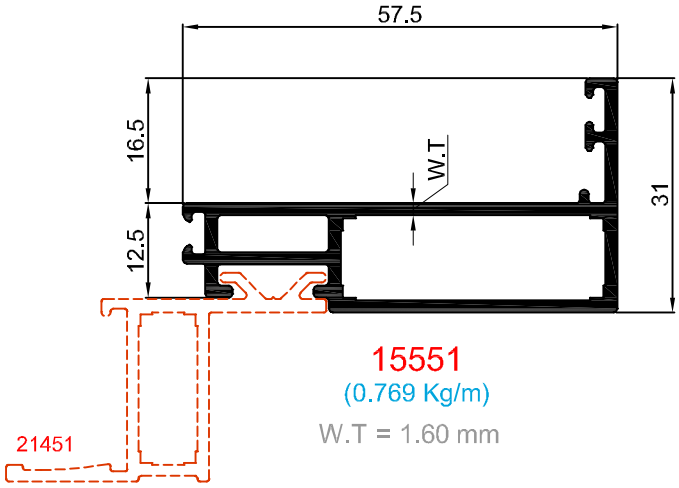
12485
(0.271 Kg/m)
W.T = 1.40 mm



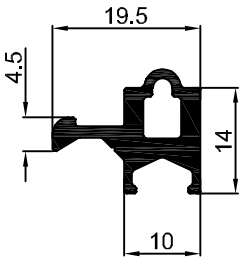
12474
(0.447 Kg/m)
W.T = 2.00 mm



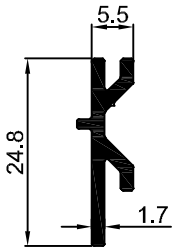
15552
(1.082 Kg/m)
W.T = 1.60 mm



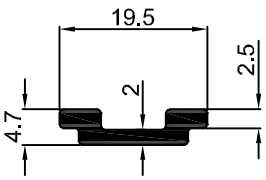
15551
(0.769 Kg/m)
W.T = 1.60 mm



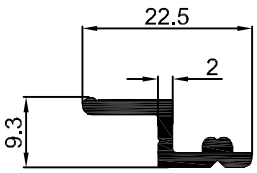
15554
(0.301Kg/m)



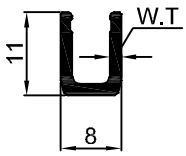
12387
(0.186Kg/m)



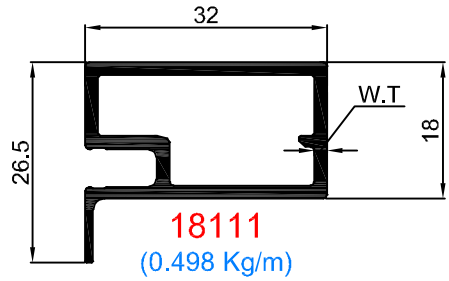
12388
(0.155 Kg/m)



30143
(0.174 Kg/m)
W.T = 2.00 mm

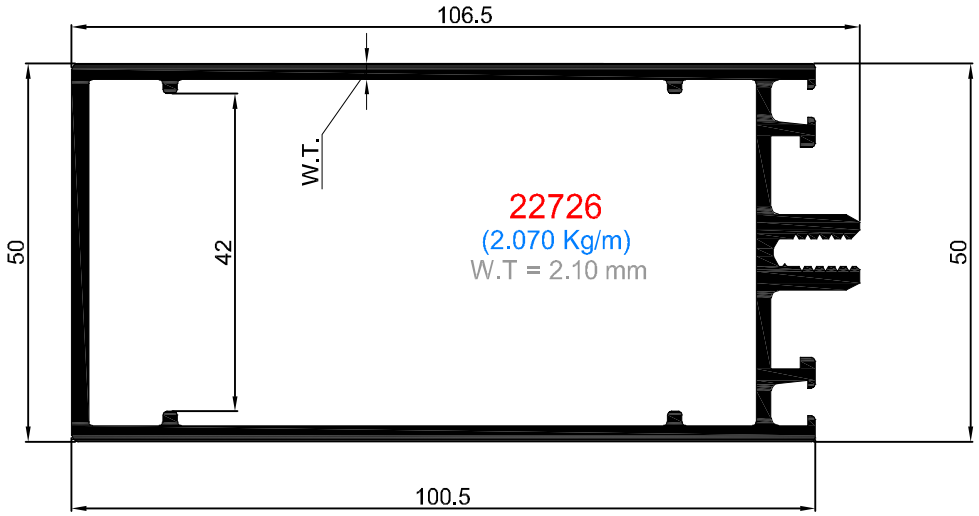


19036
(0.106 Kg/m)
W.T = 1.50 mm

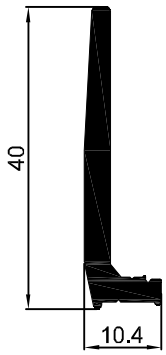


18111
(0.498 Kg/m)
W.T = 1.70 mm

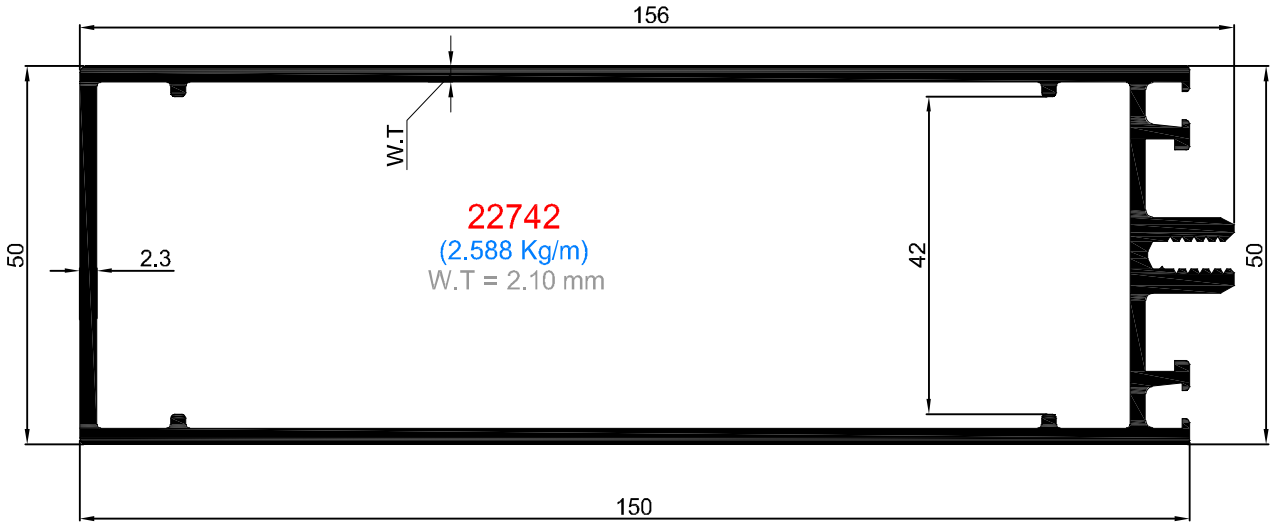
CURTAIN WALL



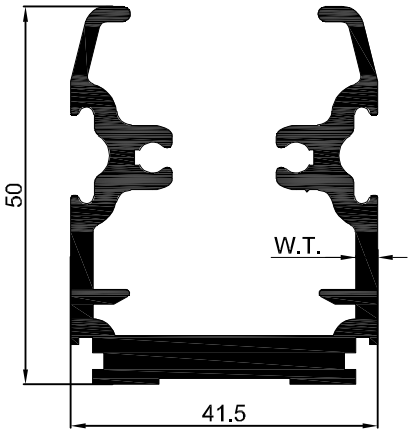
22726
(2.070 Kg/m)
W.T = 2.10 mm



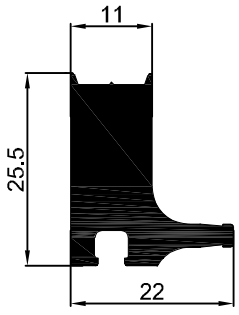
31134
(0.400 Kg/m)



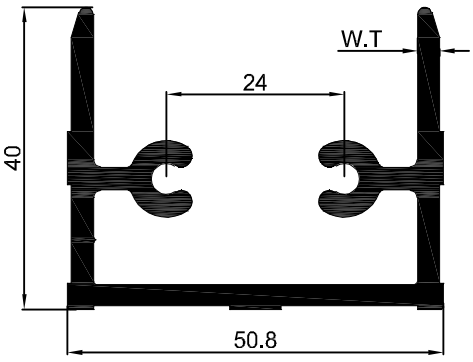
22742
(2.588 Kg/m)
W.T = 2.10 mm



31390
(1.630 Kg/m)
W.T = 3.00 mm

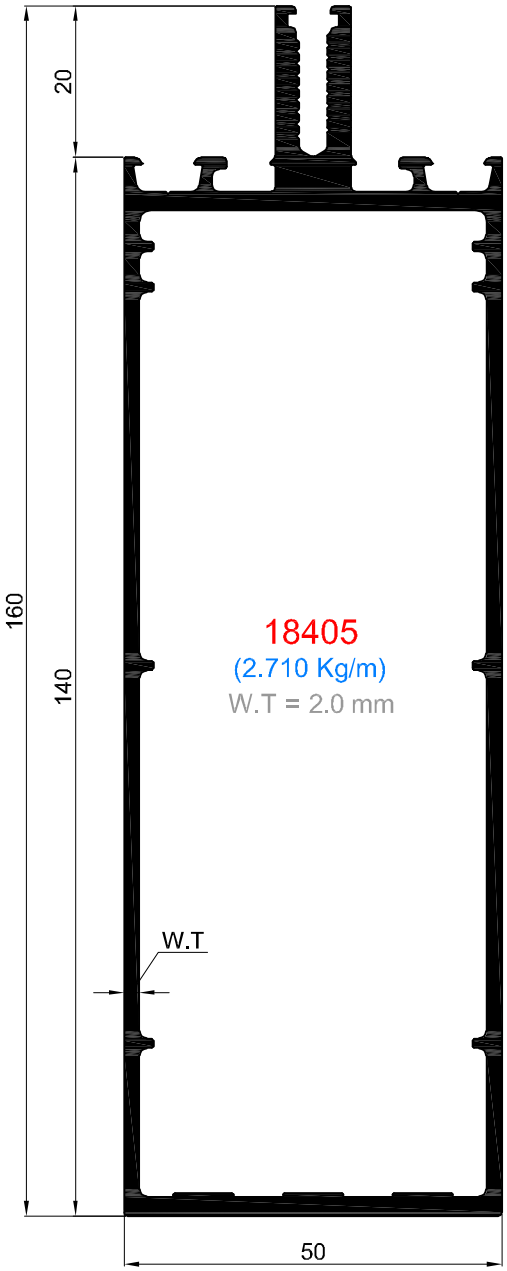


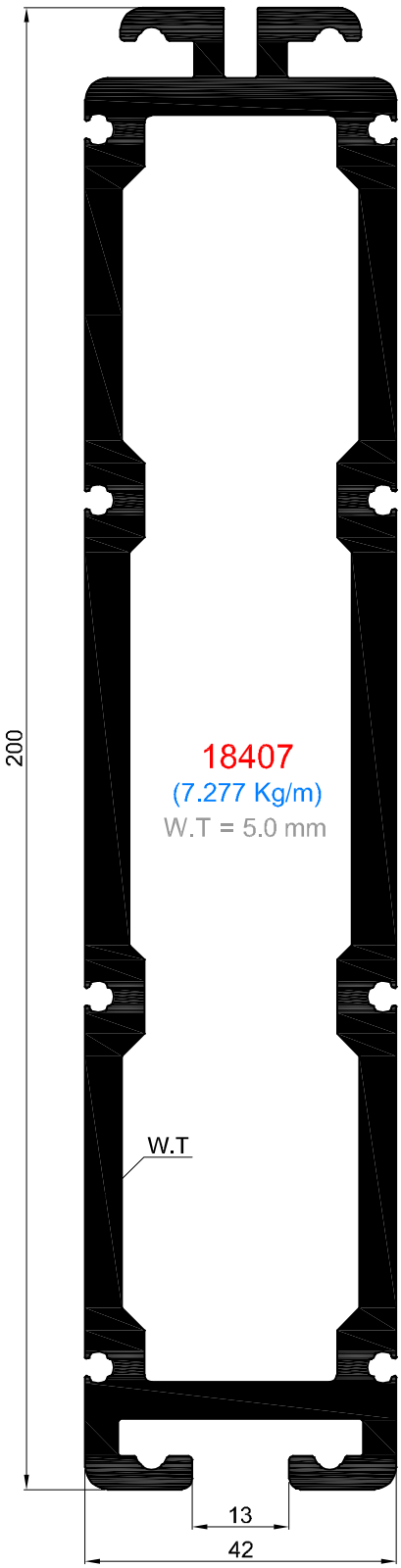
31206
(0.778 Kg/m)

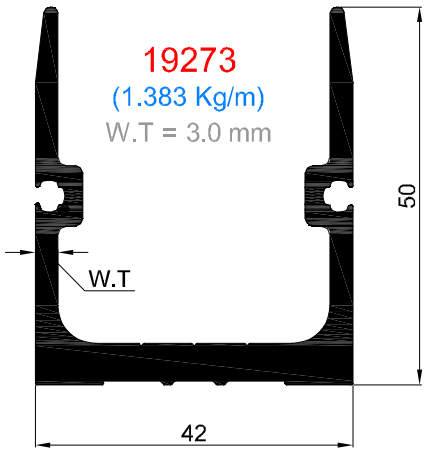


30135
(1.373 Kg/m)
W.T = 3.0 mm

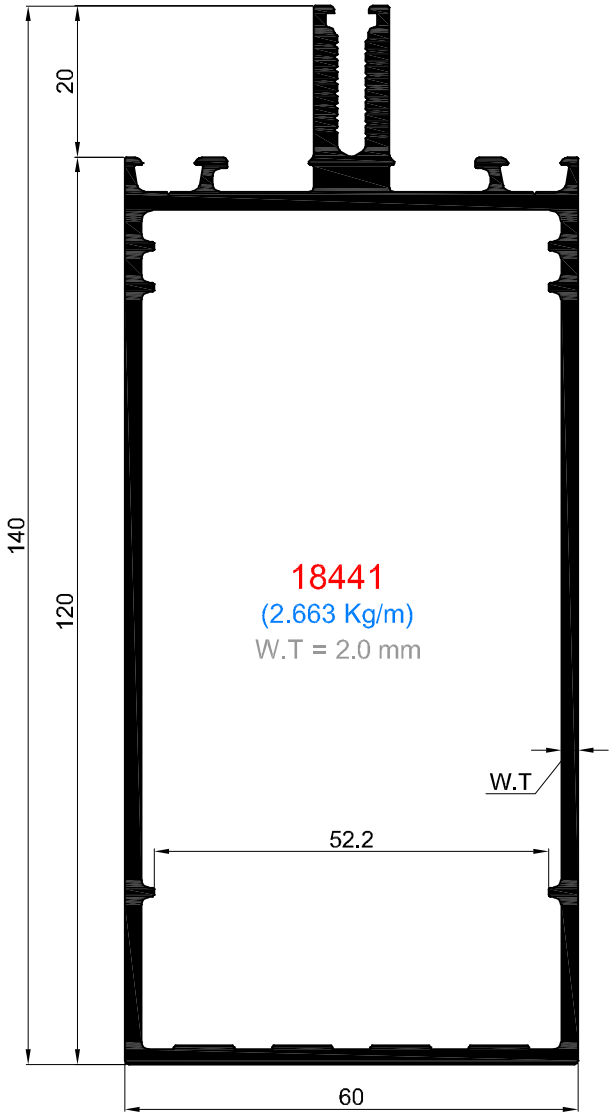
50 MM CURTAIN WALL

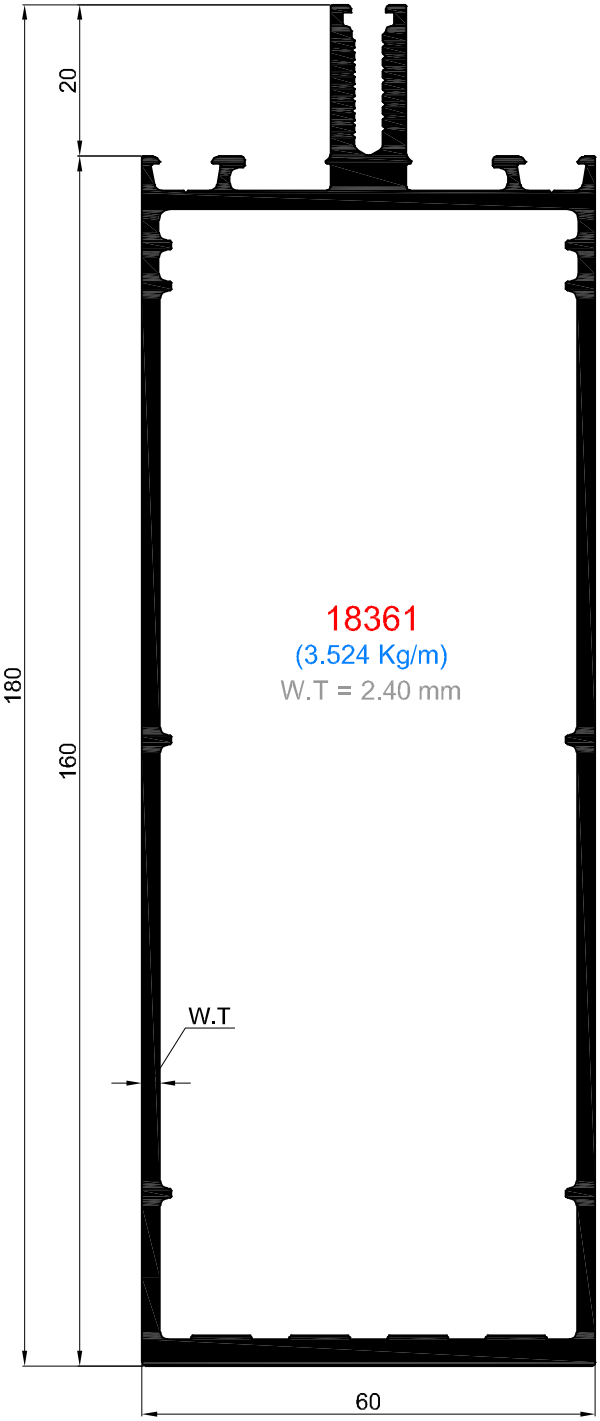


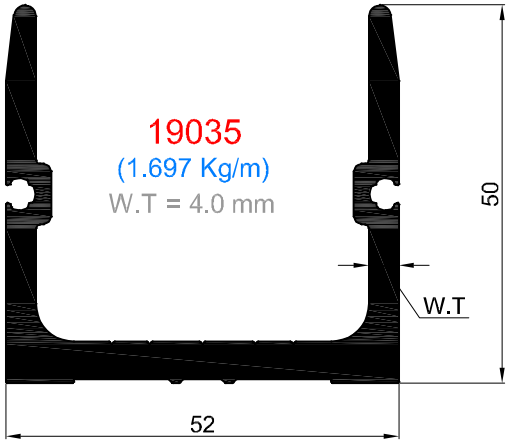




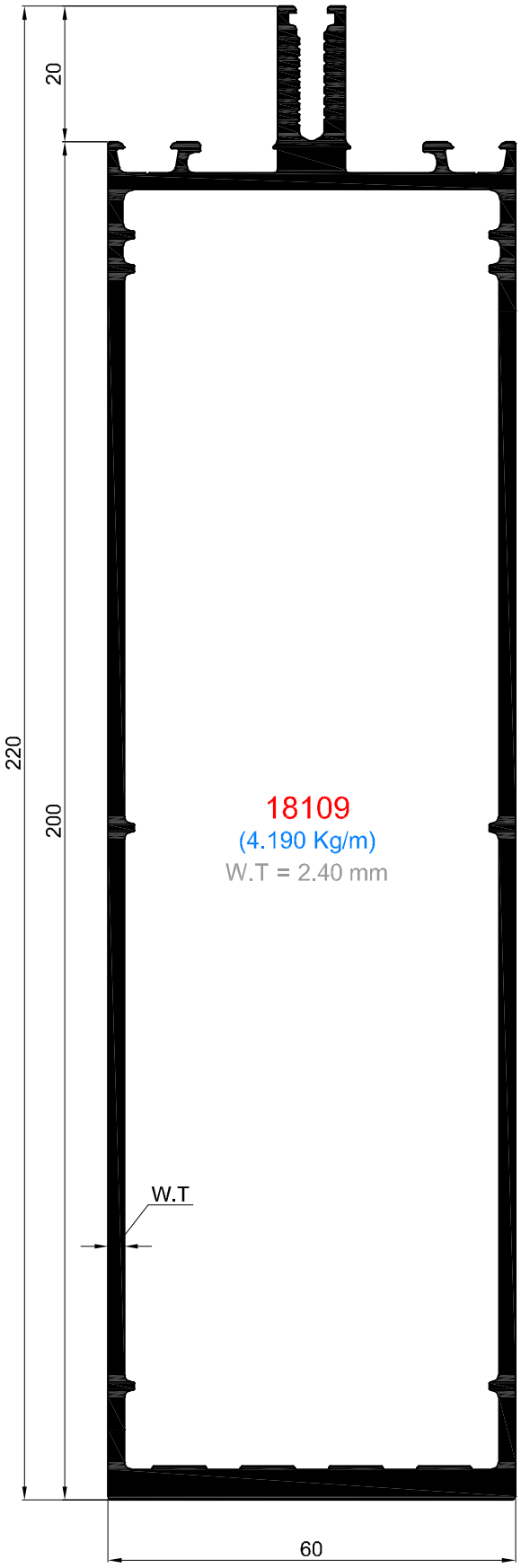
60 MM CURTAIN WALL



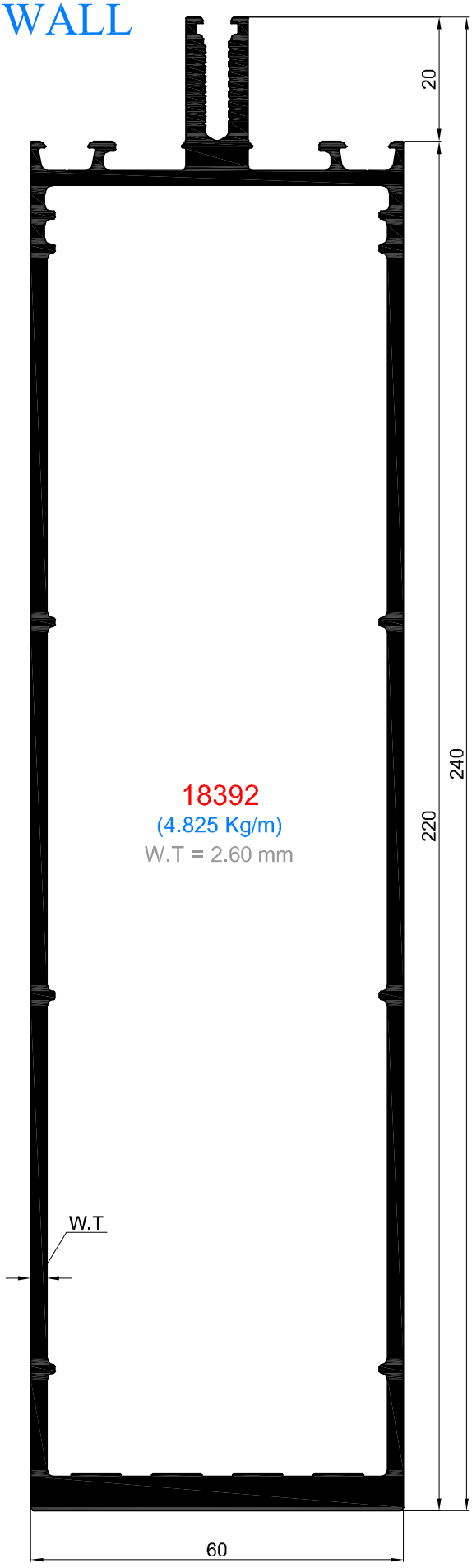




60 MM CURTAIN WALL

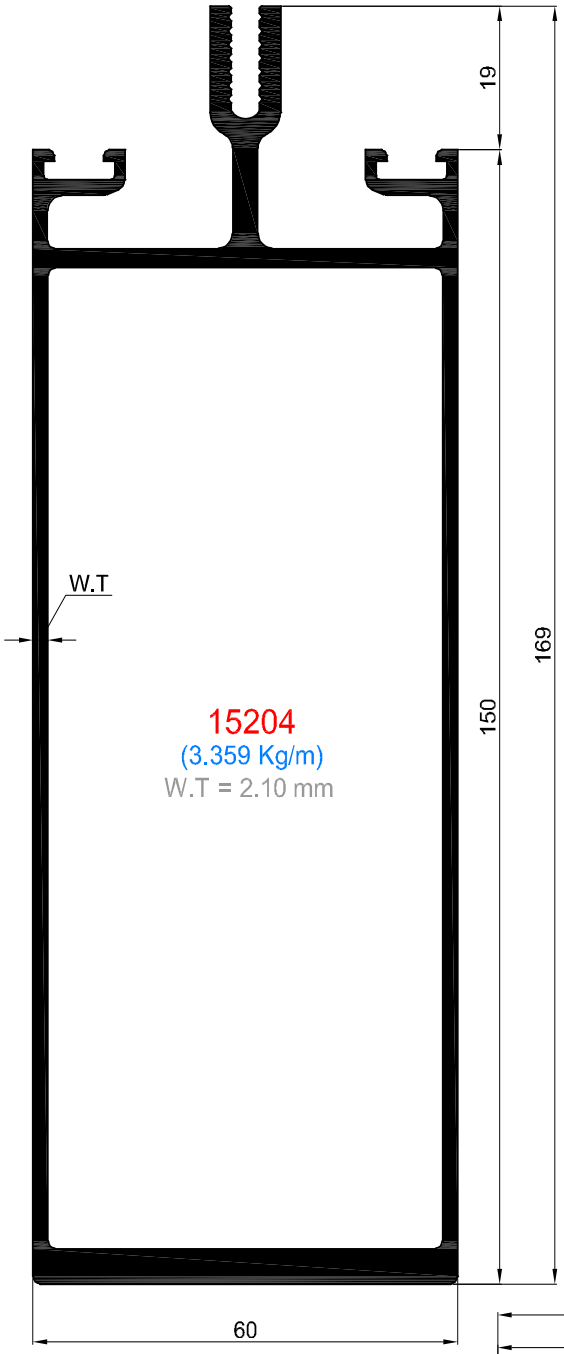


18109
(4.190 Kg/m)
W.T = 2.40 mm

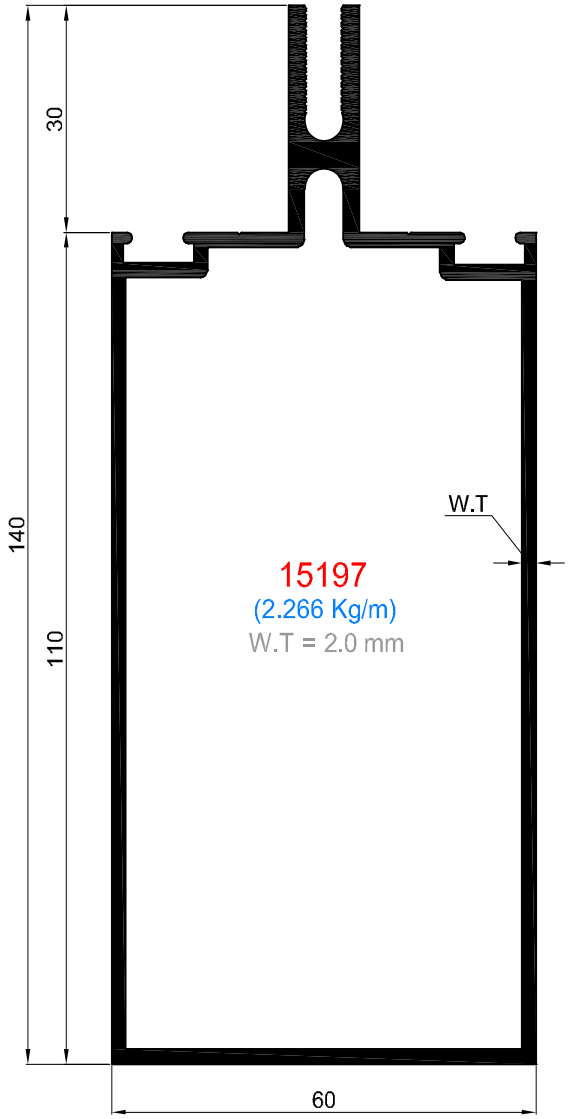


18392
(4.825 Kg/m)
W.T = 2.60 mm

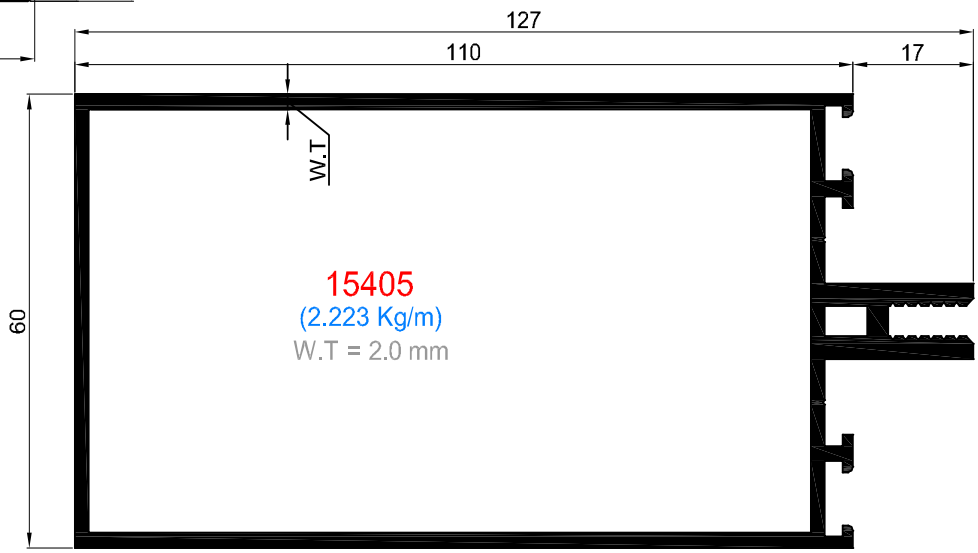
60 MM CURTAIN WALL



15204
(3.359 Kg/m)
W.T = 2.10 mm

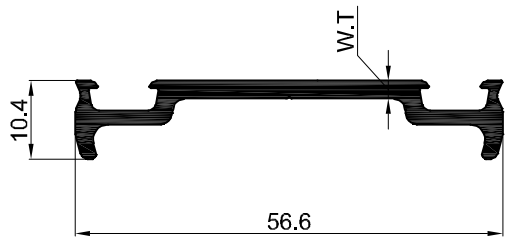


15197
(2.266 Kg/m)
W.T = 2.0 mm

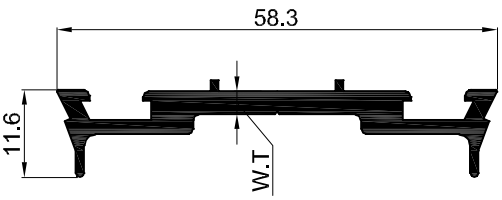


15405
(2.223 Kg/m)
W.T = 2.0 mm

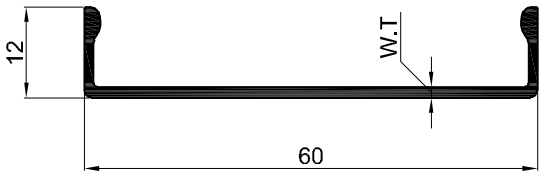
60 MM CURTAIN WALL



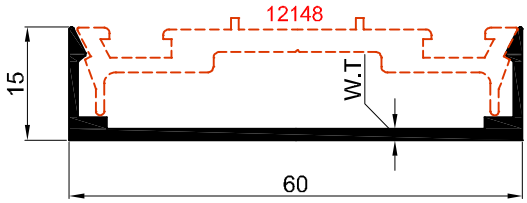
19041
(0.473 Kg/m)
W.T = 2.20 mm



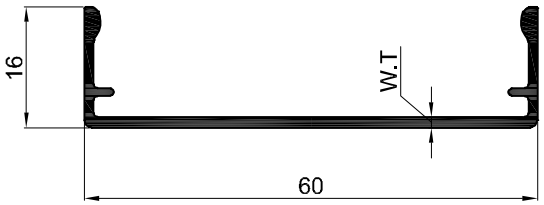
12148
(0.585 Kg/m)
W.T = 3.0 mm



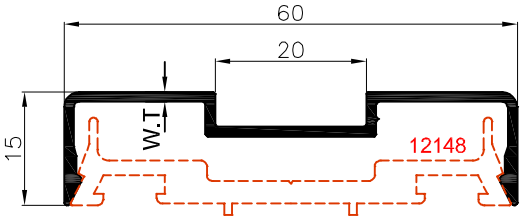
19042
(0.312 Kg/m)
W.T = 1.20 mm



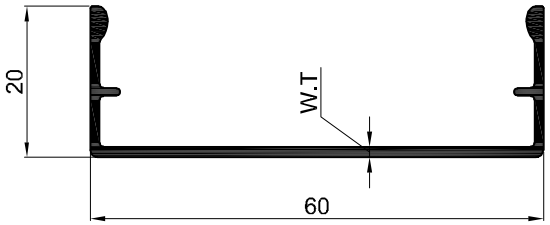
12149
(0.368 Kg/m)
W.T = 1.50 mm



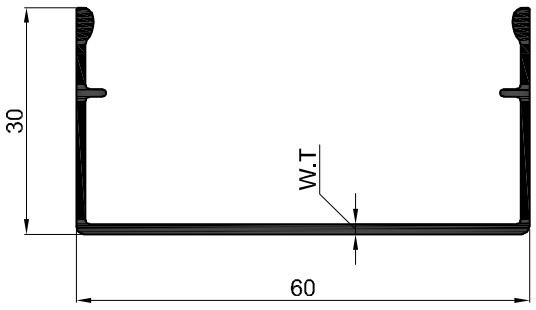
19040
(0.353 Kg/m)
W.T = 1.20 mm



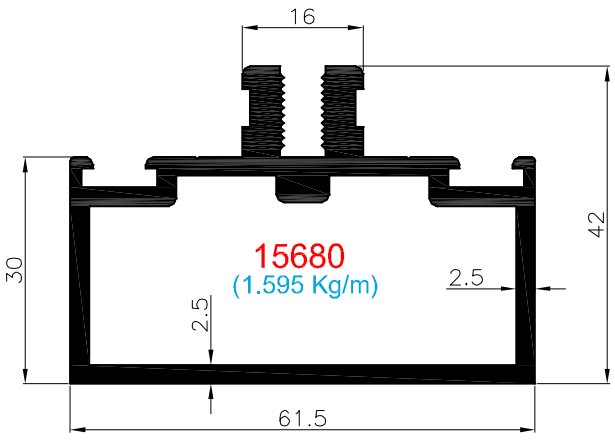
30465
(0.353 Kg/m)
W.T = 1.30 mm



19257
(0.381 Kg/m)
W.T = 1.40 mm

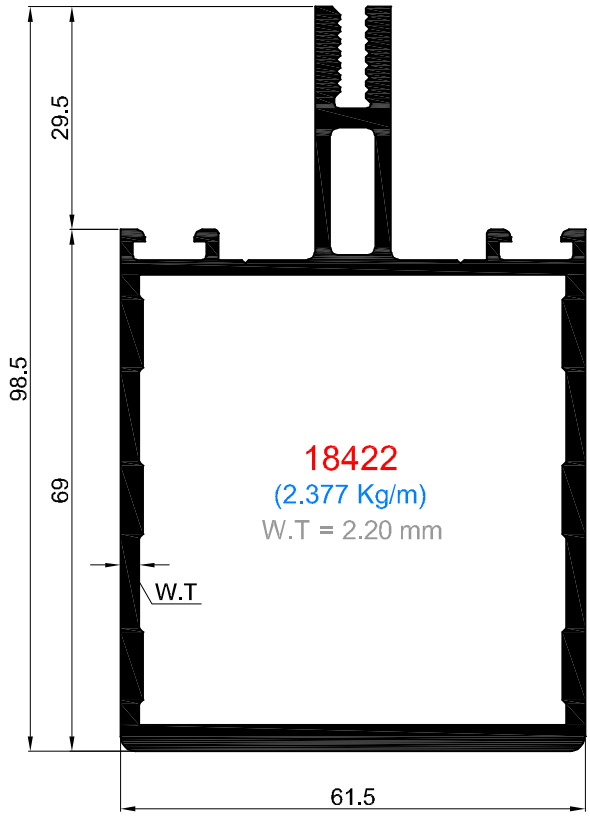


19305
(0.446 Kg/m)
W.T = 1.20 mm

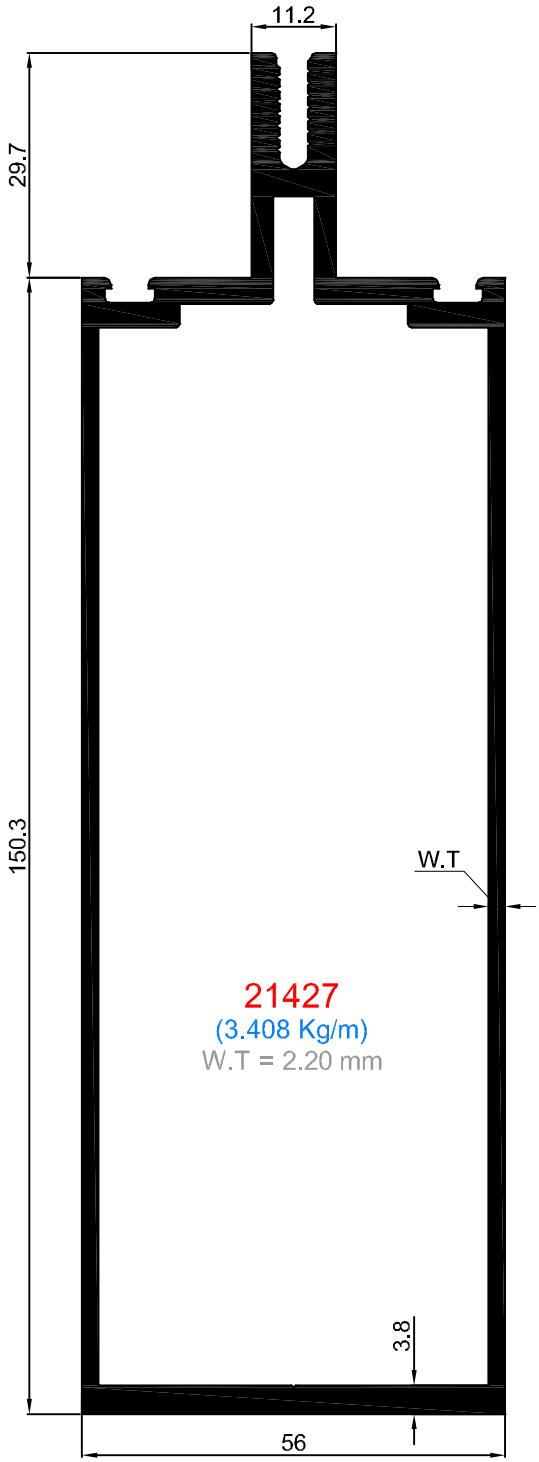


15680
(1.595 Kg/m)

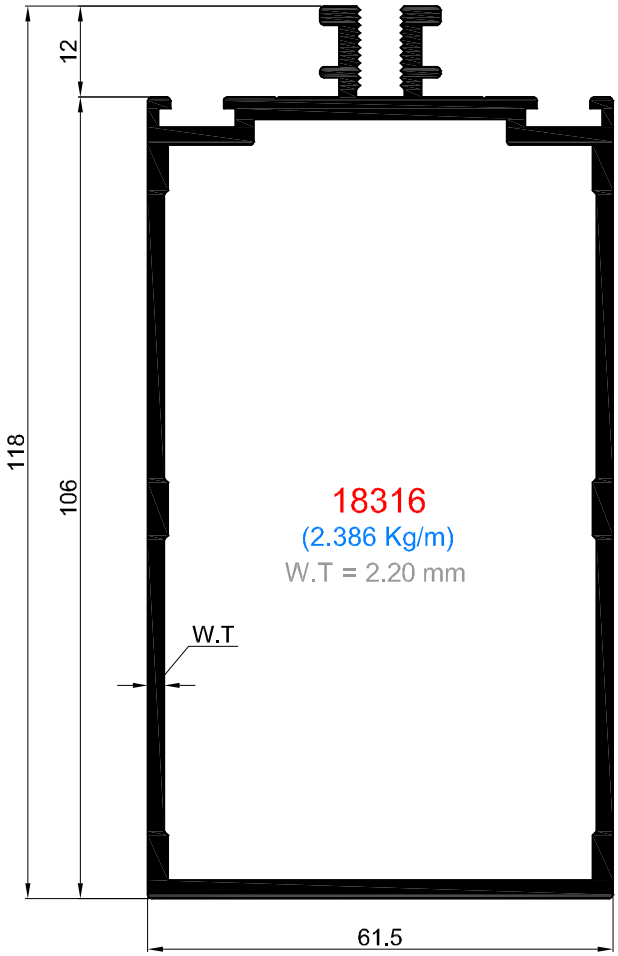
61.5 MM CURTAIN WALL



18422
(2.377 Kg/m)
W.T = 2.20 mm

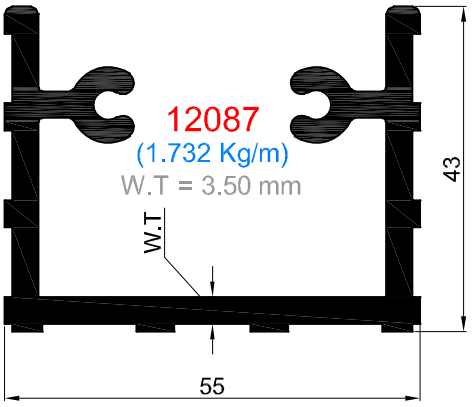


21427
(3.408 Kg/m)
W.T = 2.20 mm

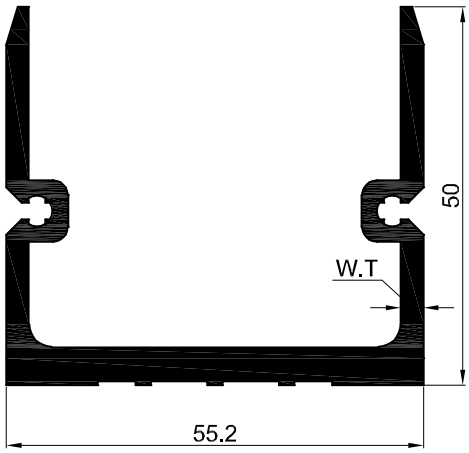


18316
(2.386 Kg/m)
W.T = 2.20 mm

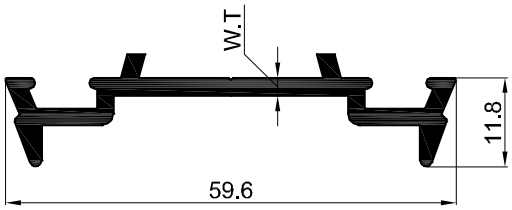
CURTAIN WALL



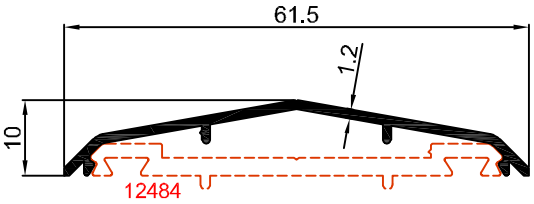
12087
(1.732 Kg/m)
W.T = 3.50 mm



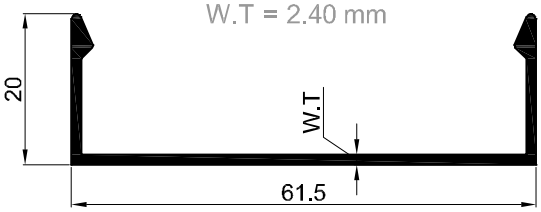
19176
(1.536 Kg/m)
W.T = 3.0 mm



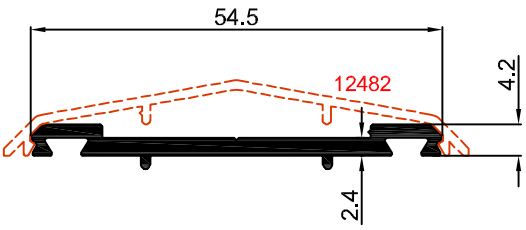
12089
(0.580 Kg/m)
W.T = 2.40 mm



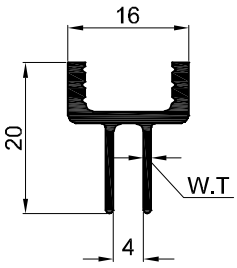
12482
(0.239Kg/m)
W.T = 2.3 mm



12090
(0.387 Kg/m)
W.T = 1.40 mm

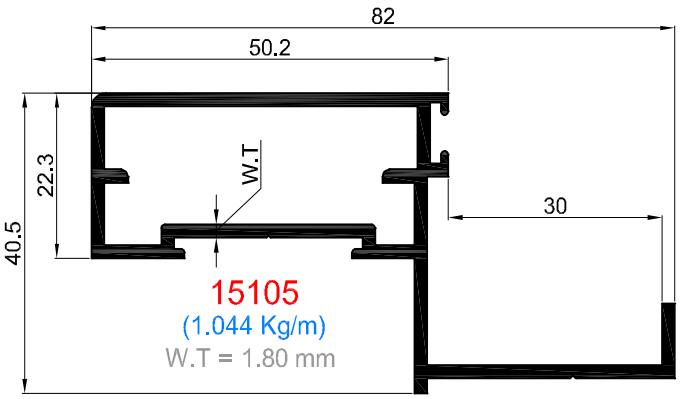


12484
(0.382Kg/m)
W.T = 2.4 mm

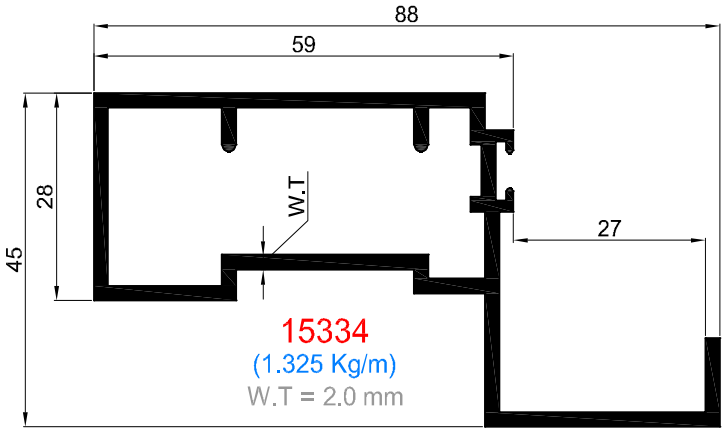


19308
(0.206 Kg/m)
W.T = 1.0 mm

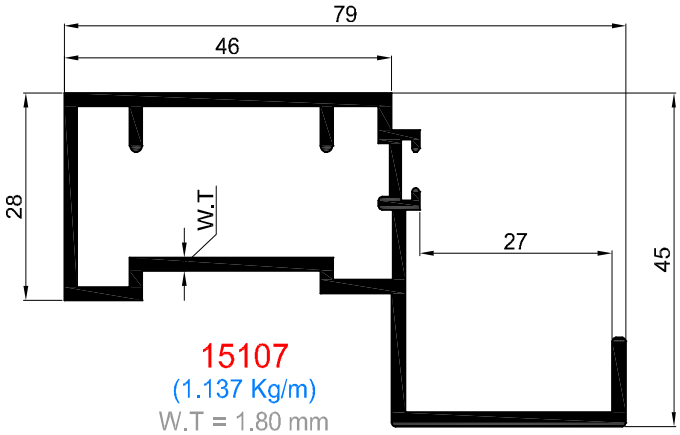
CURTAIN WALL



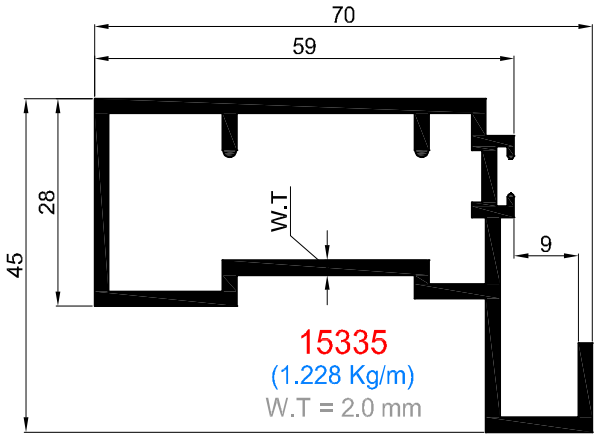
15105
(1.044 Kg/m)
W.T = 1.80 mm



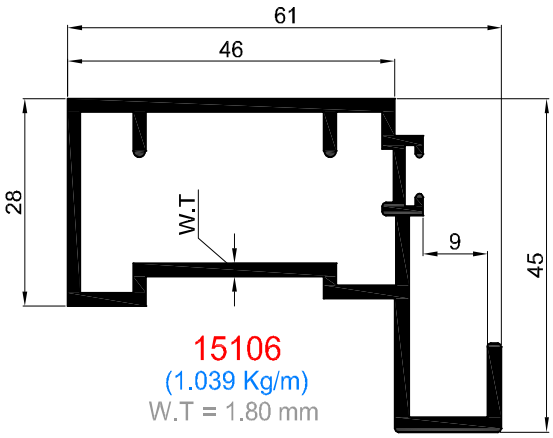
15334
(1.325 Kg/m)
W.T = 2.0 mm



15107
(1.137 Kg/m)
W.T = 1.80 mm

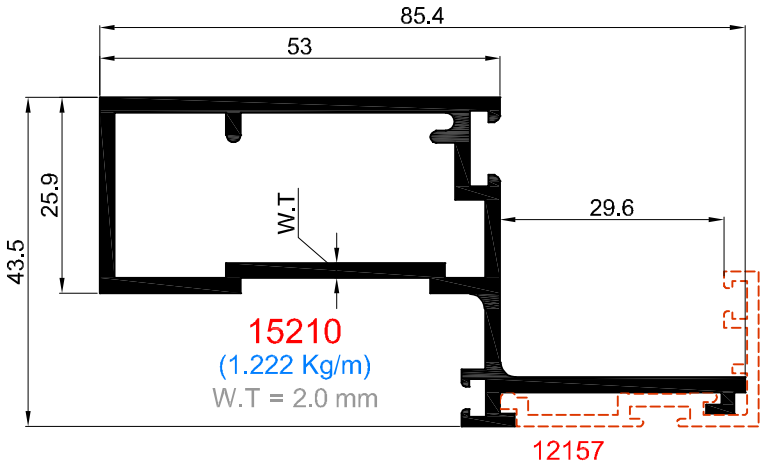


15335
(1.228 Kg/m)
W.T = 2.0 mm

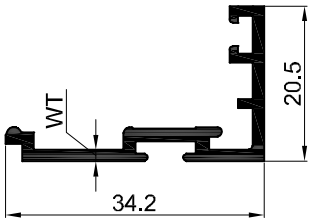


15106
(1.039 Kg/m)
W.T = 1.80 mm

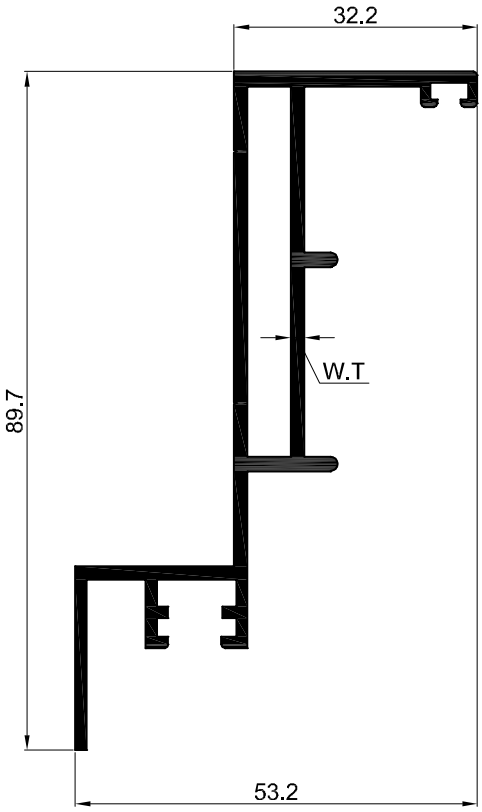
CURTAIN WALL



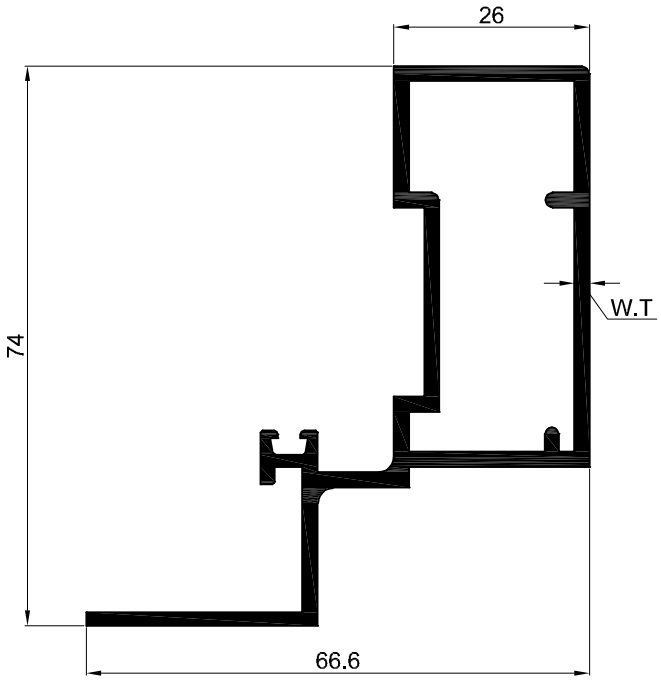
15210
(1.222 Kg/m)
W.T = 2.0 mm



12157
(0.307 Kg/m)
W.T = 1.50 mm

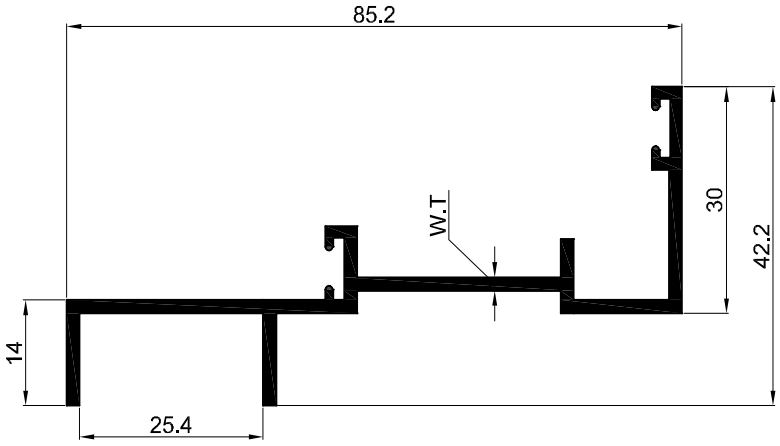


18436
(1.125 Kg/m)
W.T = 1.80 mm

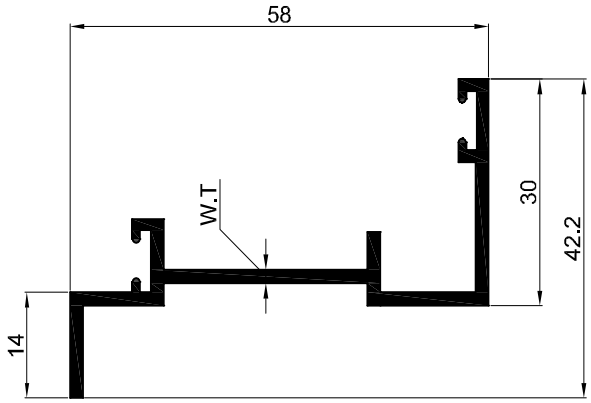


18437
(1.285 Kg/m)
W.T = 2.0 mm

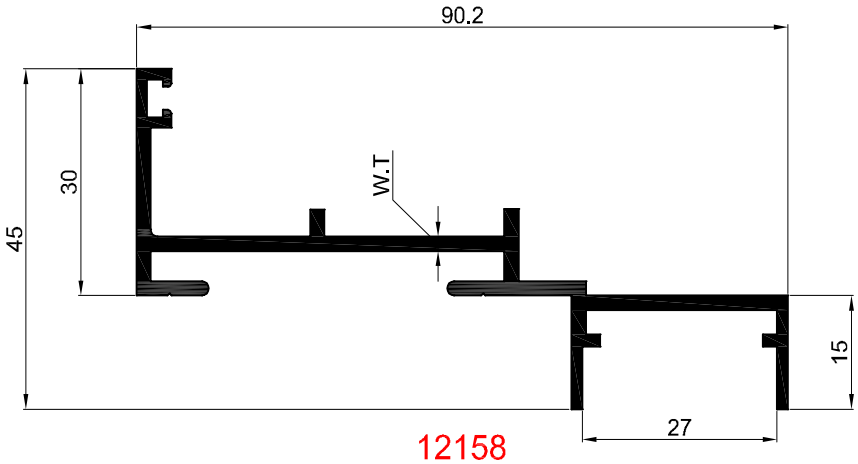
CURTAIN WALL



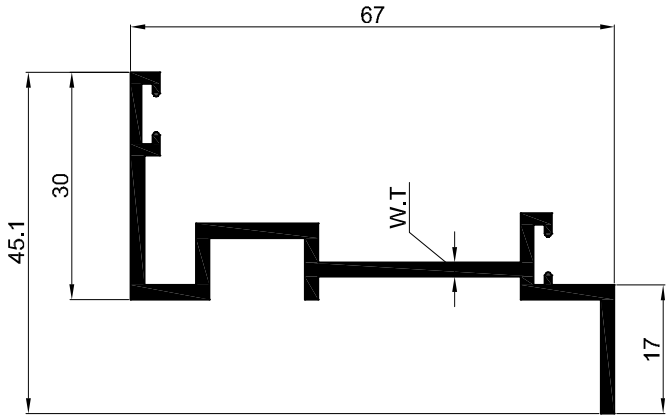
12076
(0.802 Kg/m)
W.T = 1.80 mm



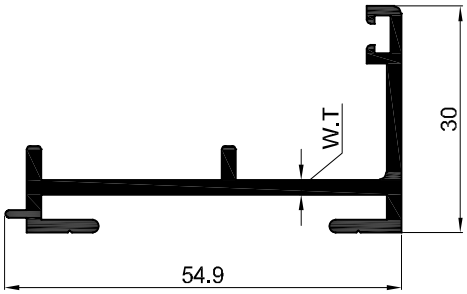
12077
(0.610 Kg/m)
W.T = 1.80 mm



12158
(0.920 Kg/m)
W.T = 1.90 mm

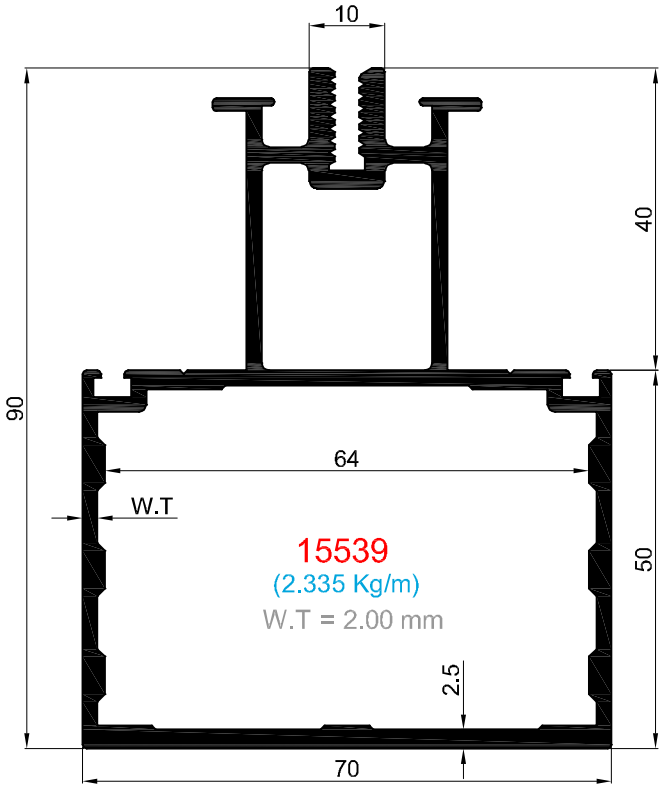


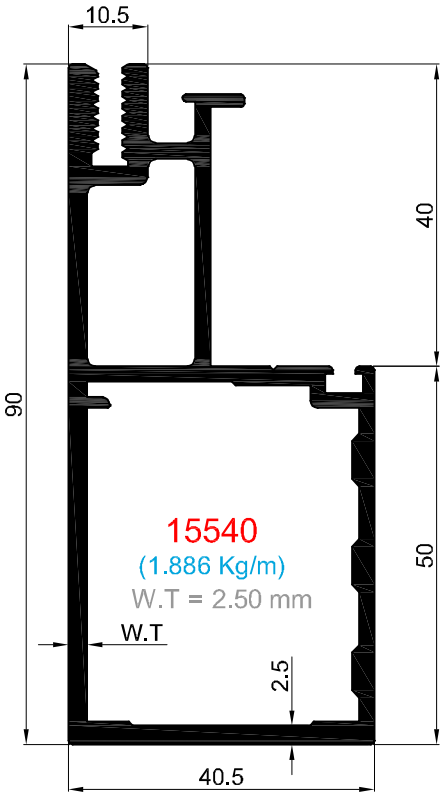
12248
(0.731 Kg/m)
W.T = 1.90 mm

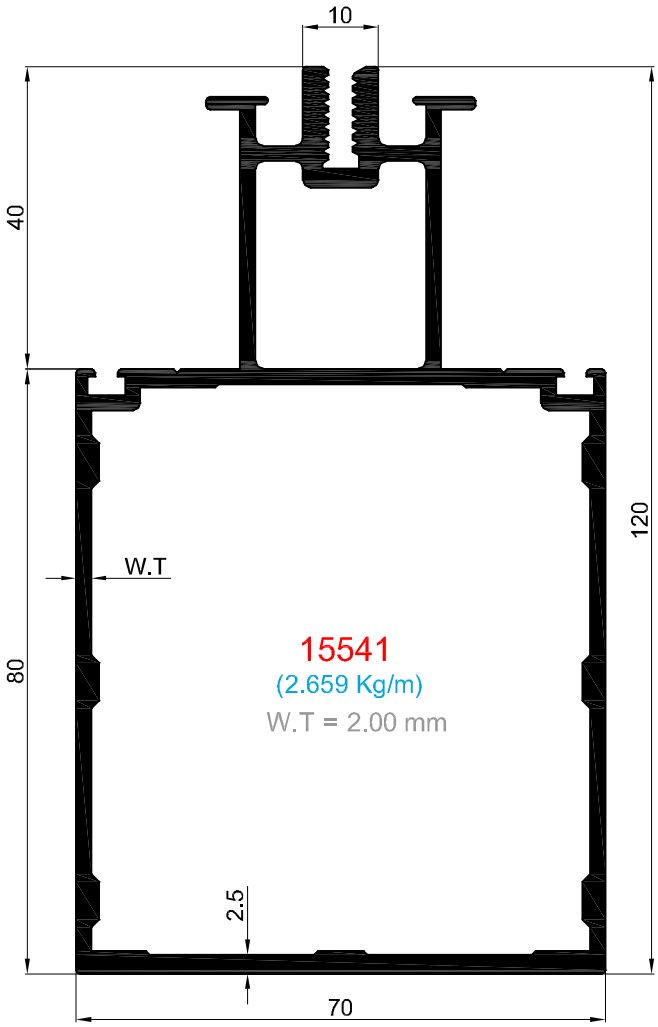


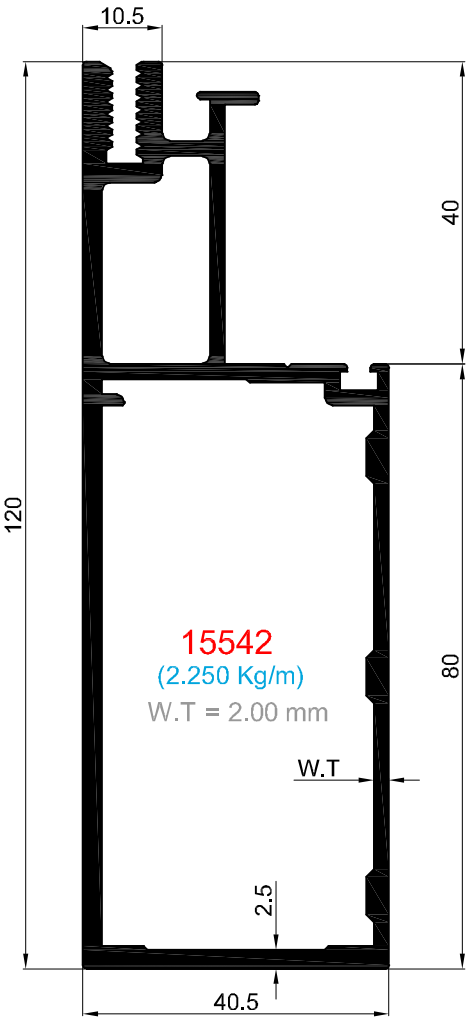
19282
(0.605 Kg/m)
W.T = 2.0 mm

CURTAIN WALL

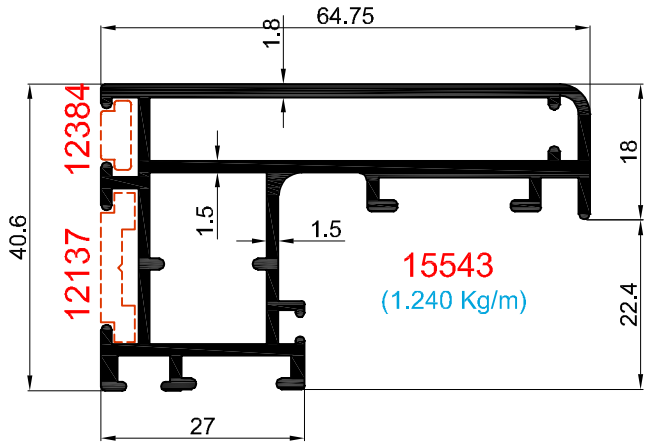




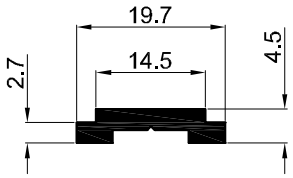




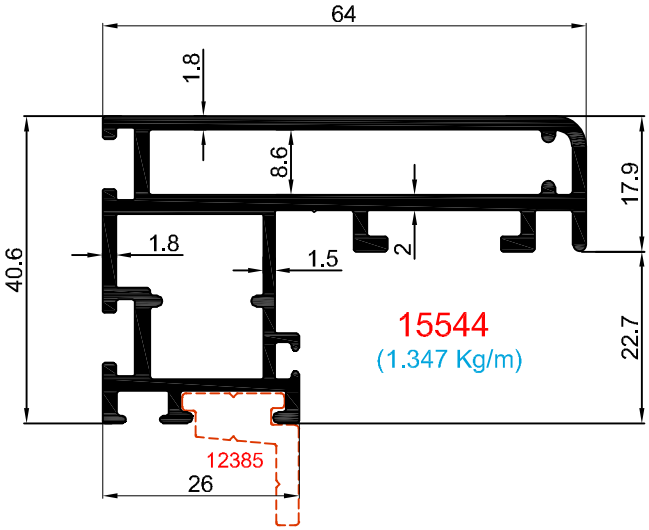
CURTAIN WALL



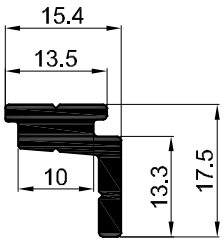
15543
(1.240 Kg/m)



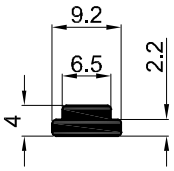
12137
(0.167 Kg/m)



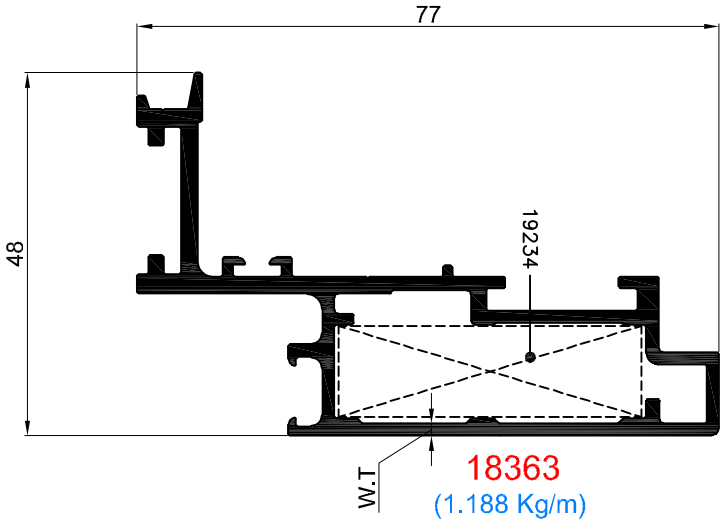
15544
(1.347 Kg/m)



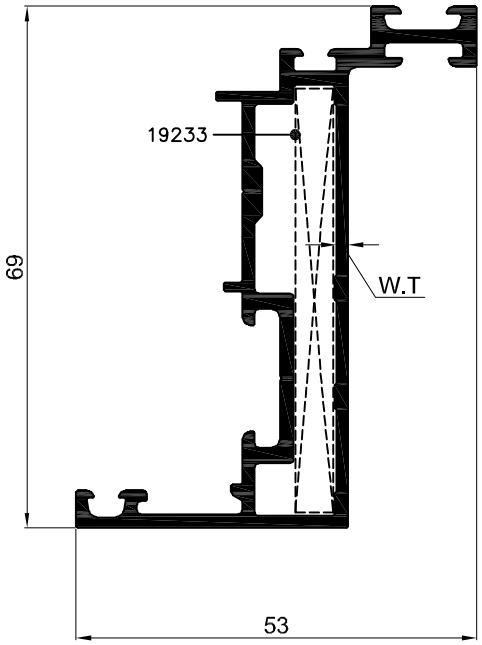
12385
(0.298 Kg/m)



12384
(0.085 Kg/m)

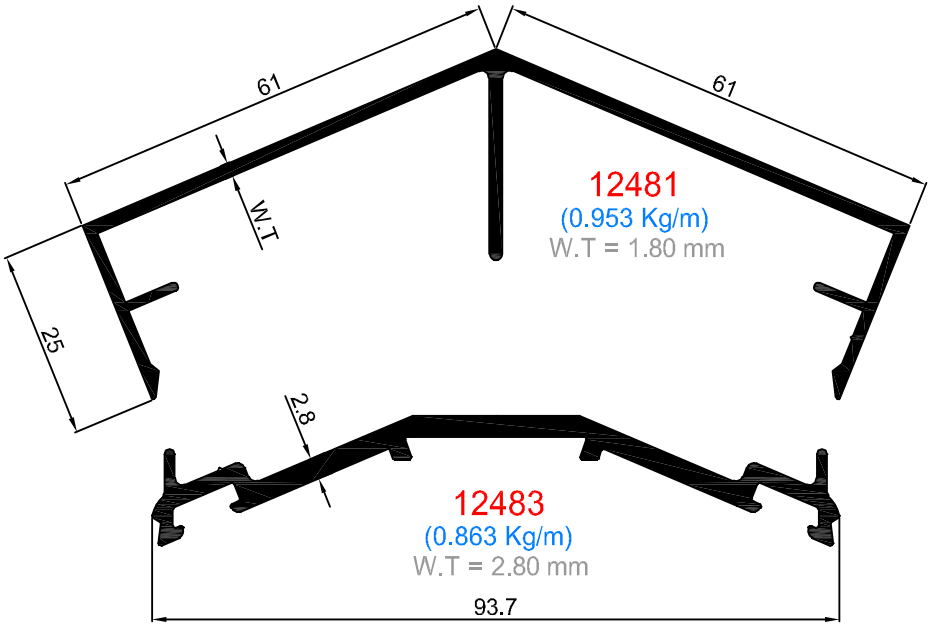


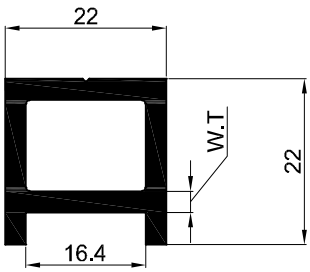
18363
(1.188 Kg/m)
W.T = 1.60 mm



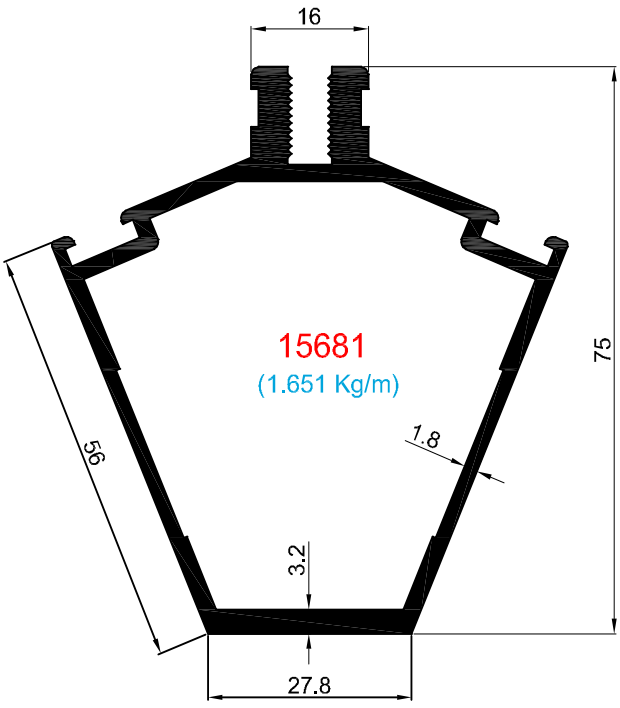
18362
(1.10 Kg/m)
W.T = 1.60 mm

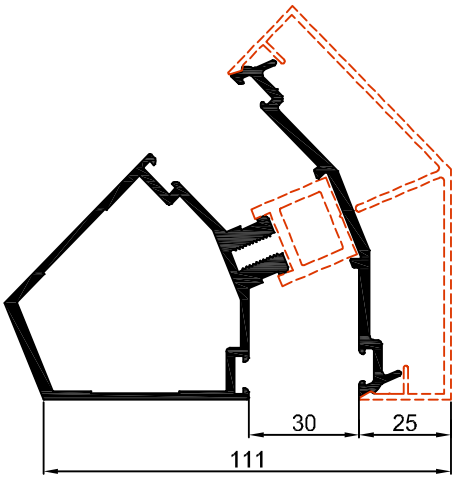
CURTAIN WALL



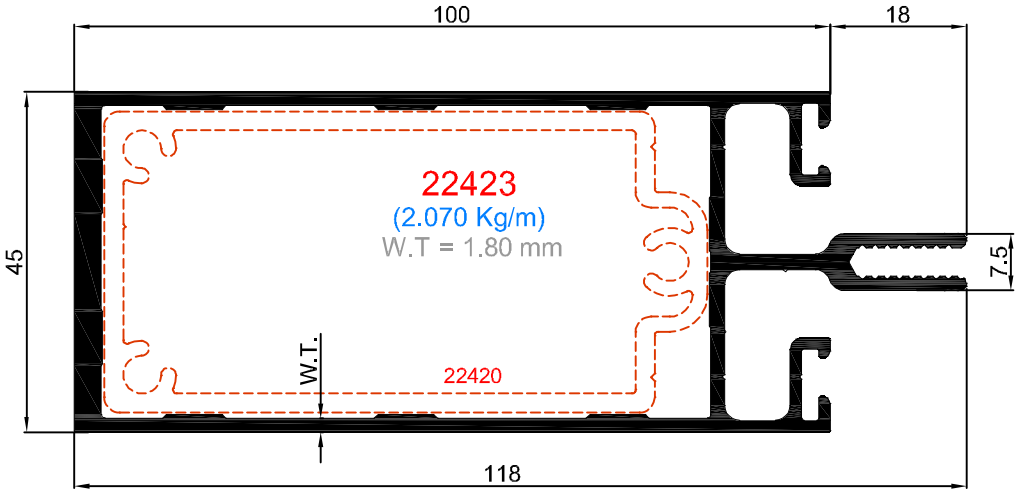


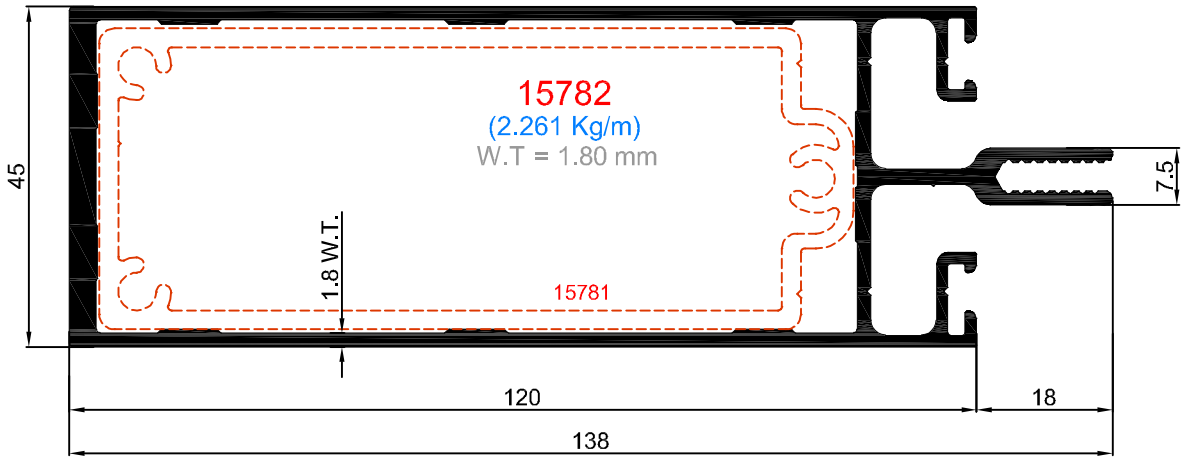
15127
(0.581 Kg/m)
W.T = 2.80 mm

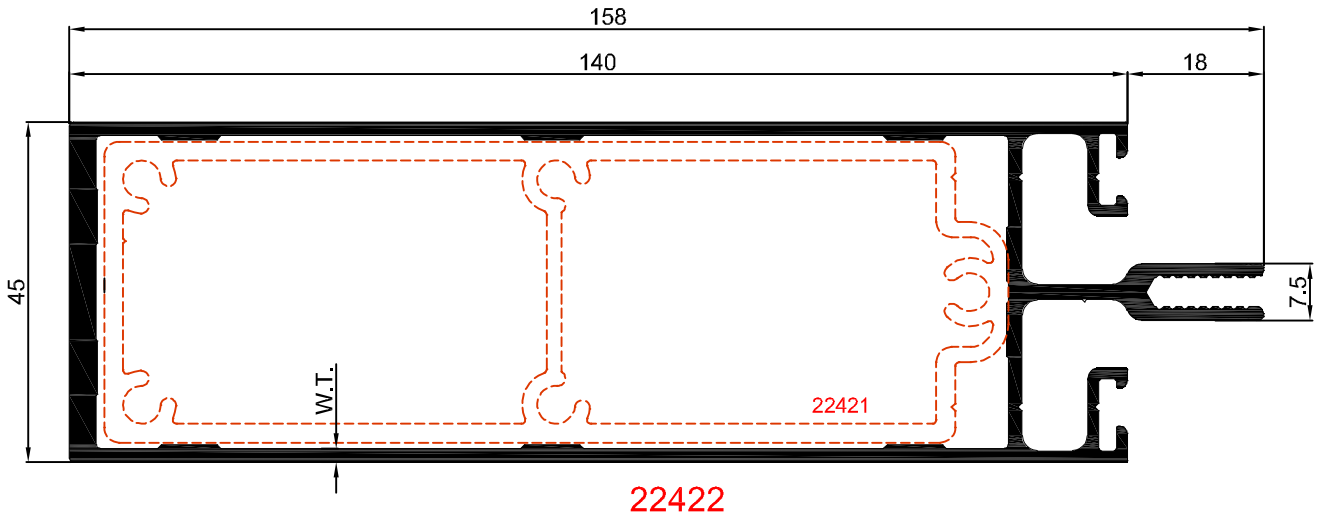




CURTAIN WALL

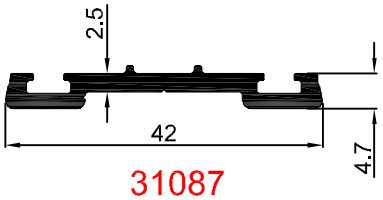




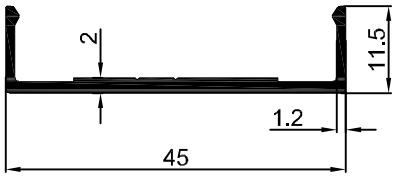


22422
(2.456 Kg/m)
W.T = 1.80 mm

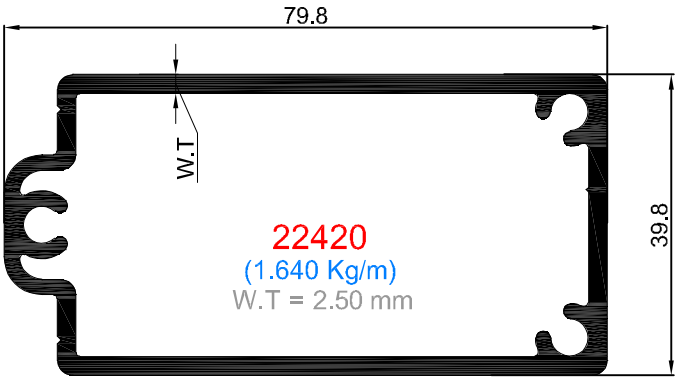
CURTAIN WALL



31087
(0.330 Kg/m)

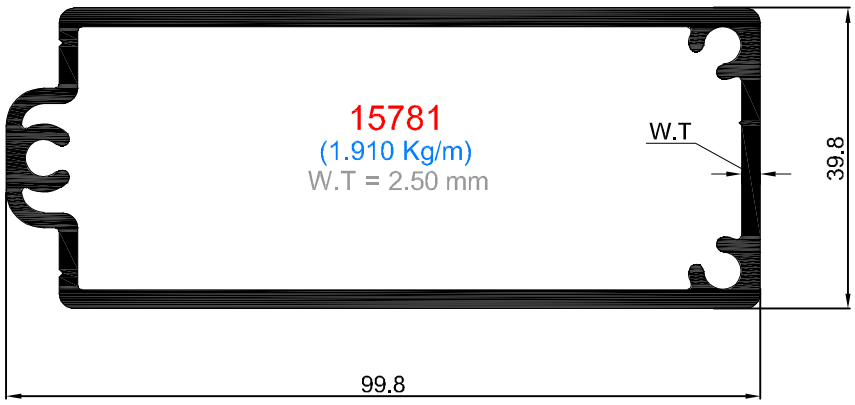


31088
(0.287 Kg/m)

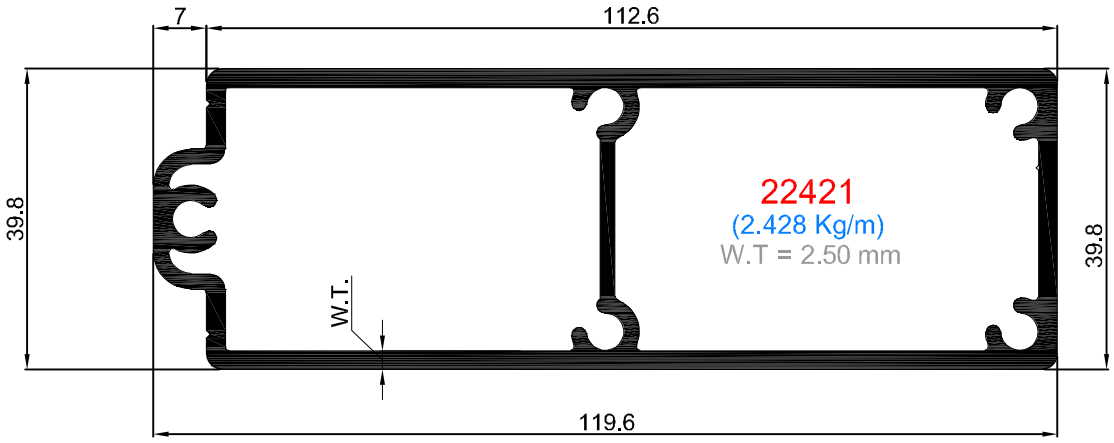


22420
(1.640 Kg/m)
W.T = 2.50 mm

22420
Weight: 1.640kg/m

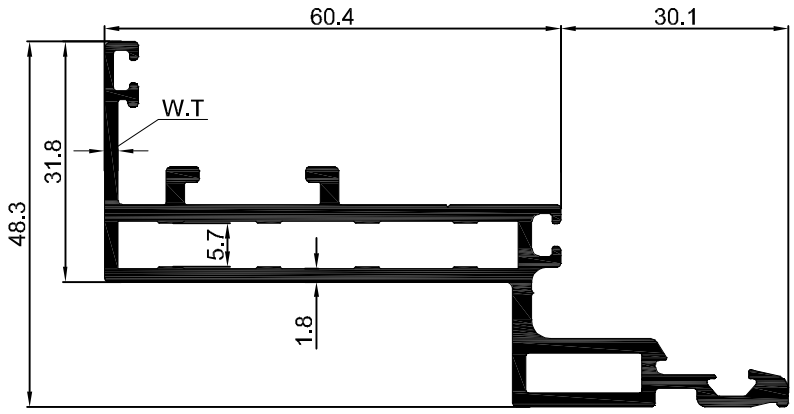


15781
(1.910 Kg/m)
W.T = 2.50 mm

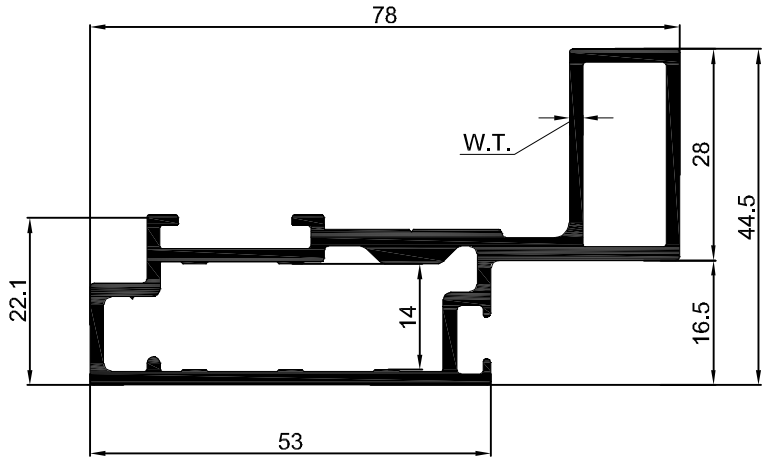


22421
(2.428 Kg/m)
W.T = 2.50 mm

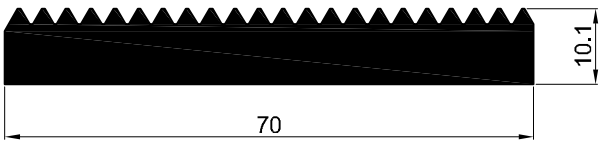
CURTAIN WALL



22707
(1.360 Kg/m)
W.T = 1.80 mm

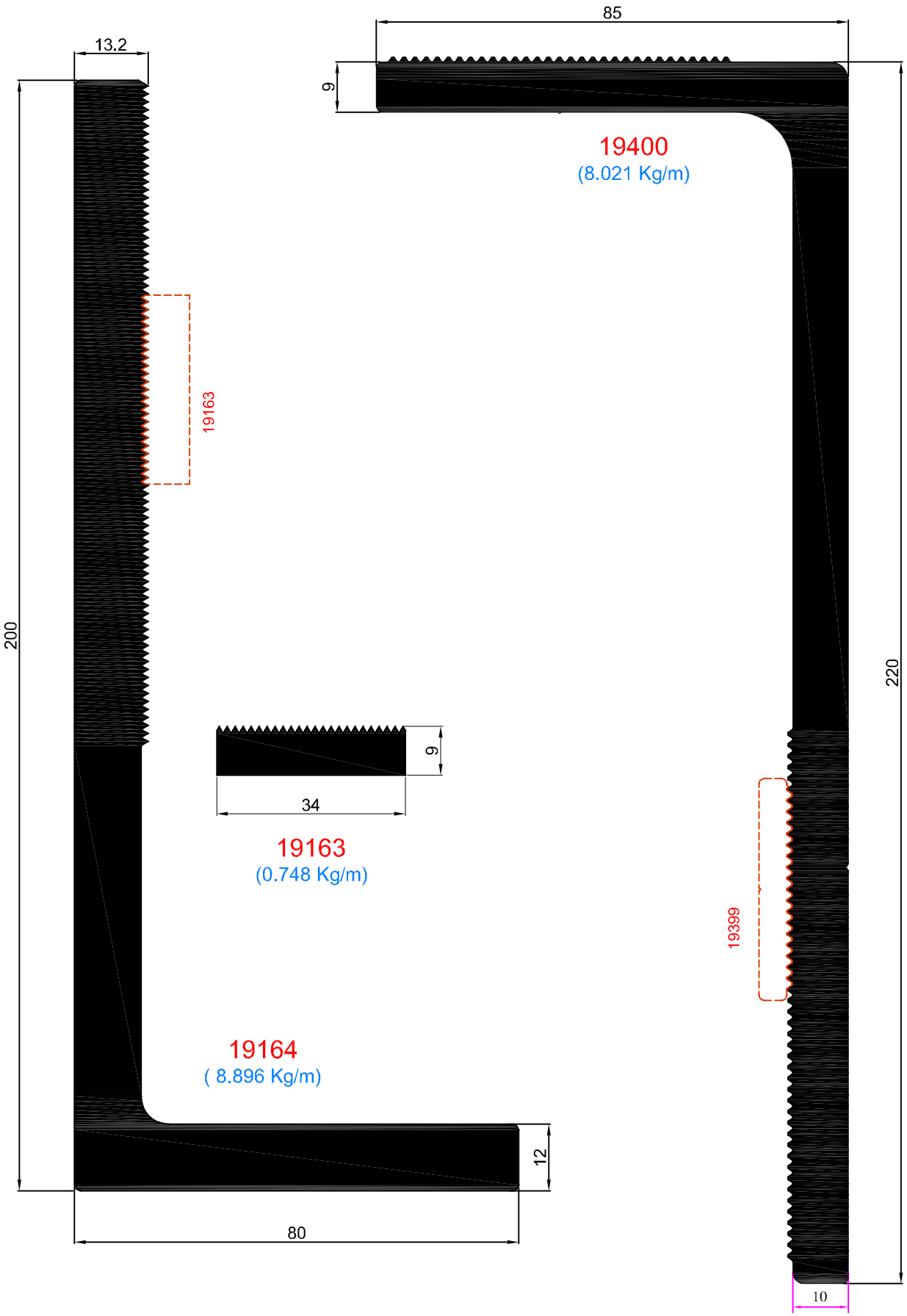


22708
(1.336 Kg/m)
W.T = 1.80 mm

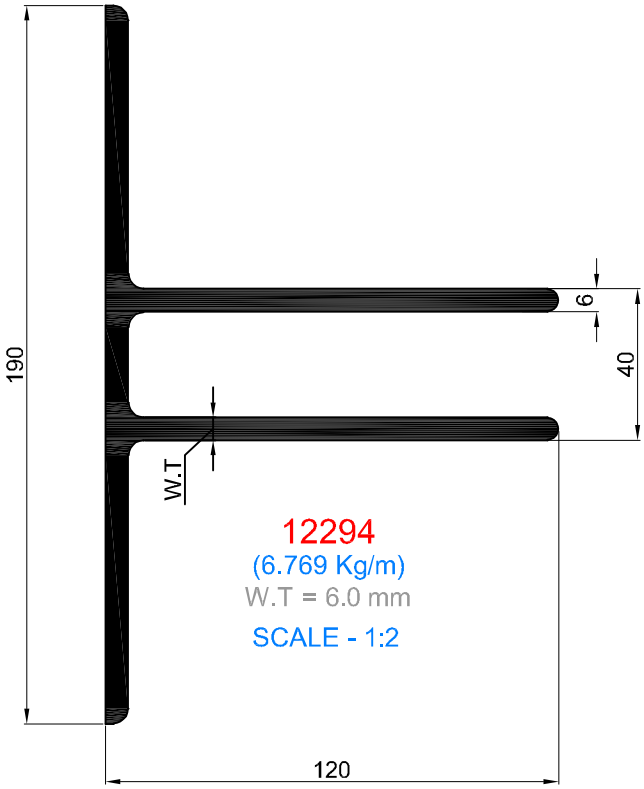


19085
(1.706 Kg/m)

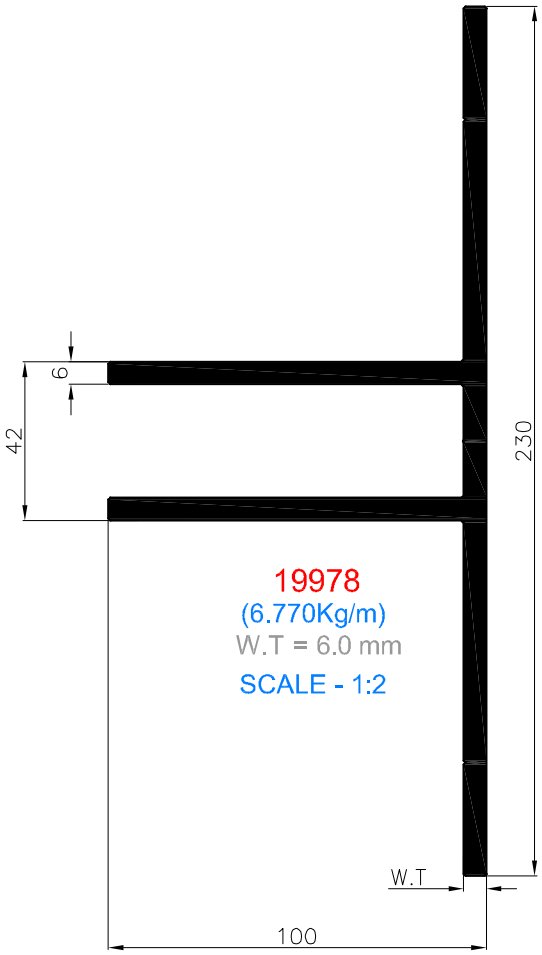
CURTAIN WALL



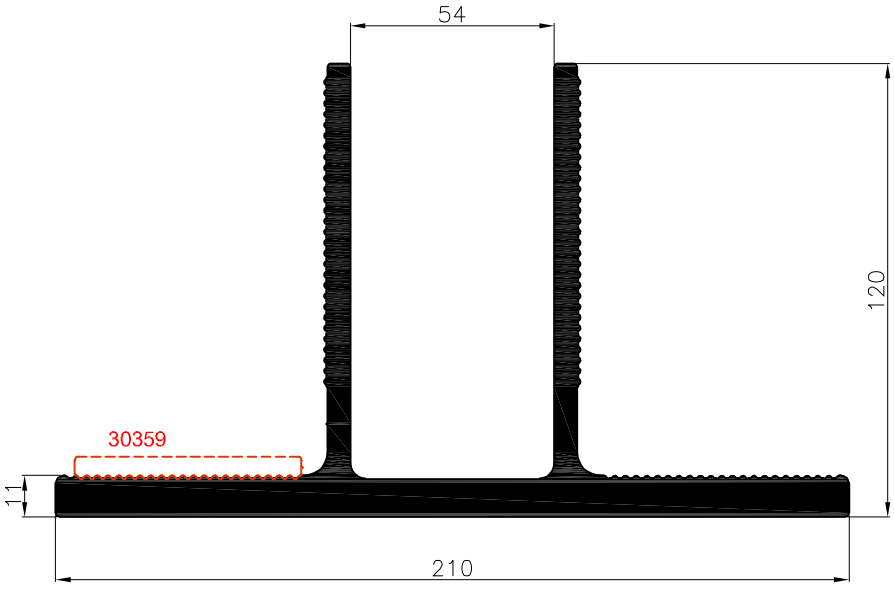
CURTAIN WALL



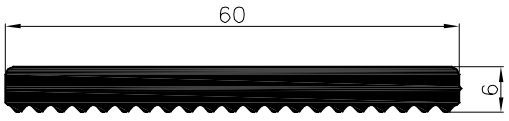
12294
(6.769 Kg/m)
W.T = 6.0 mm
SCALE - 1:2



19978
(6.770Kg/m)
W.T = 6.0 mm
SCALE - 1:2

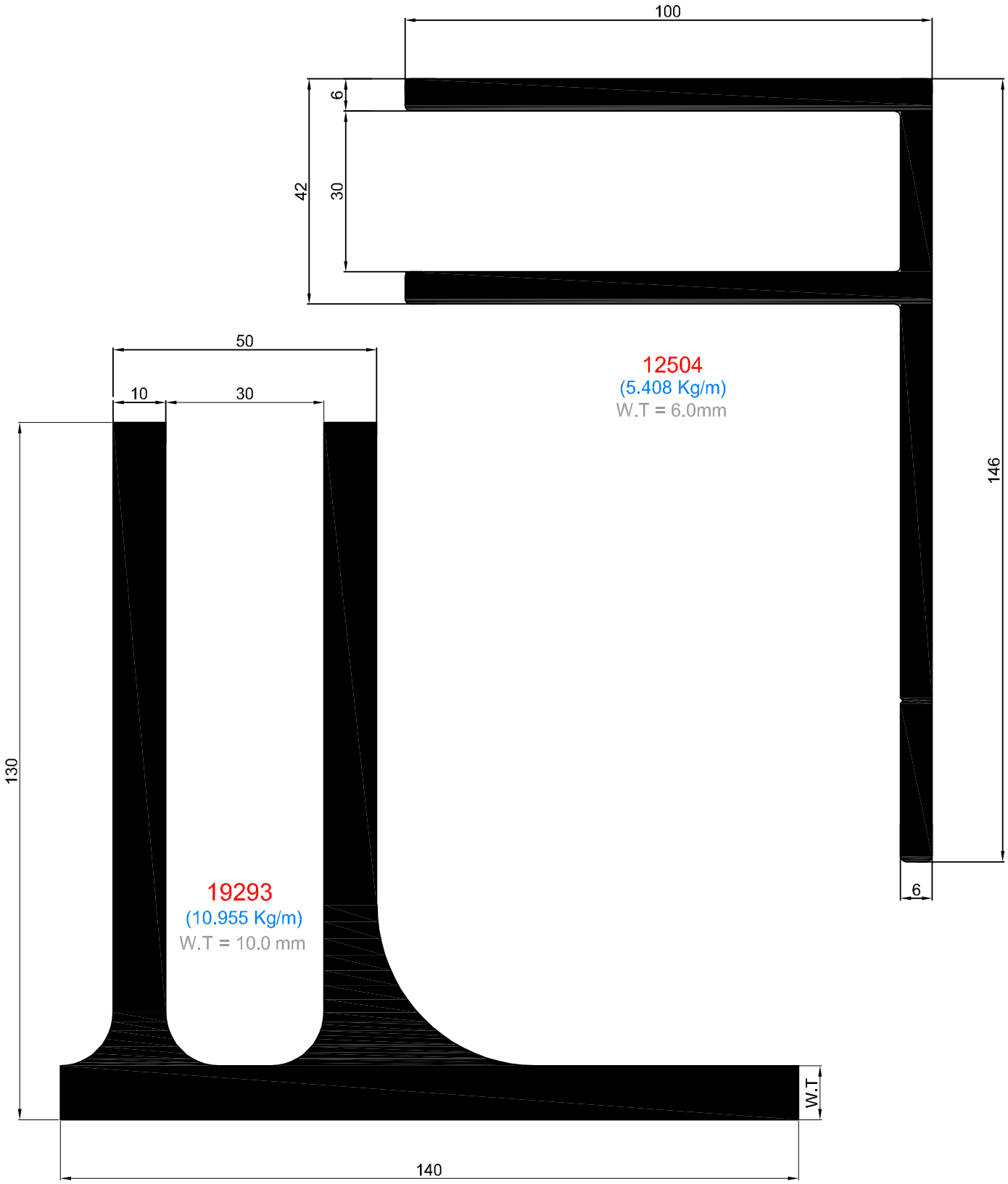


30360
(9.728 Kg/m)
SCALE - 1:2

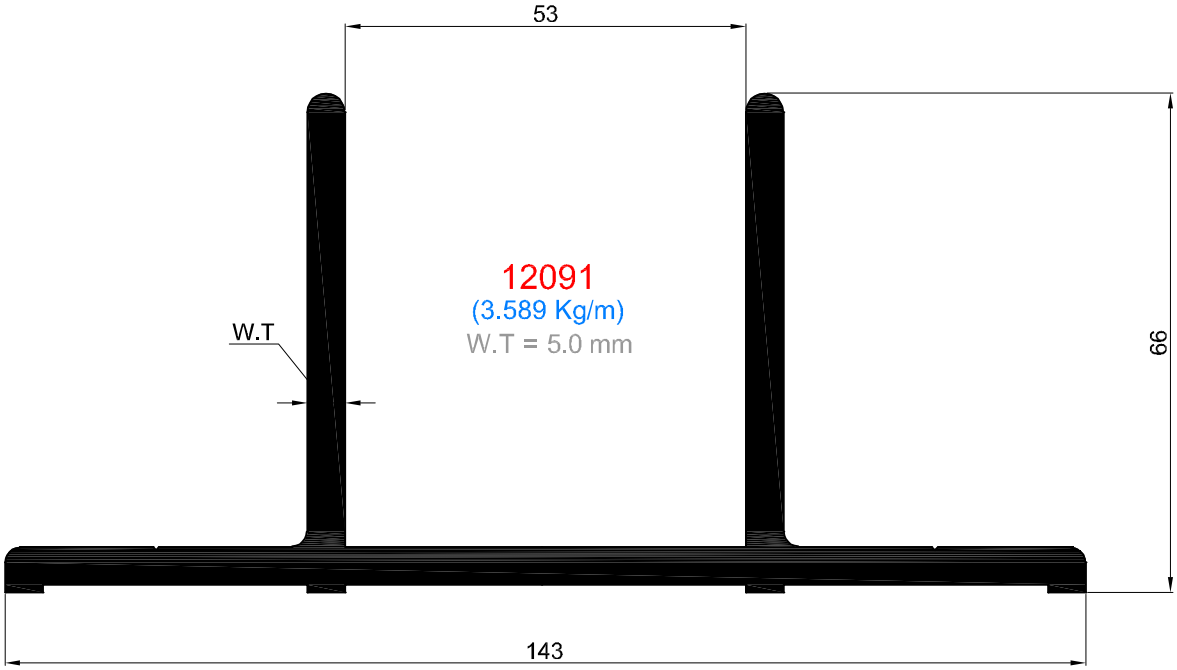


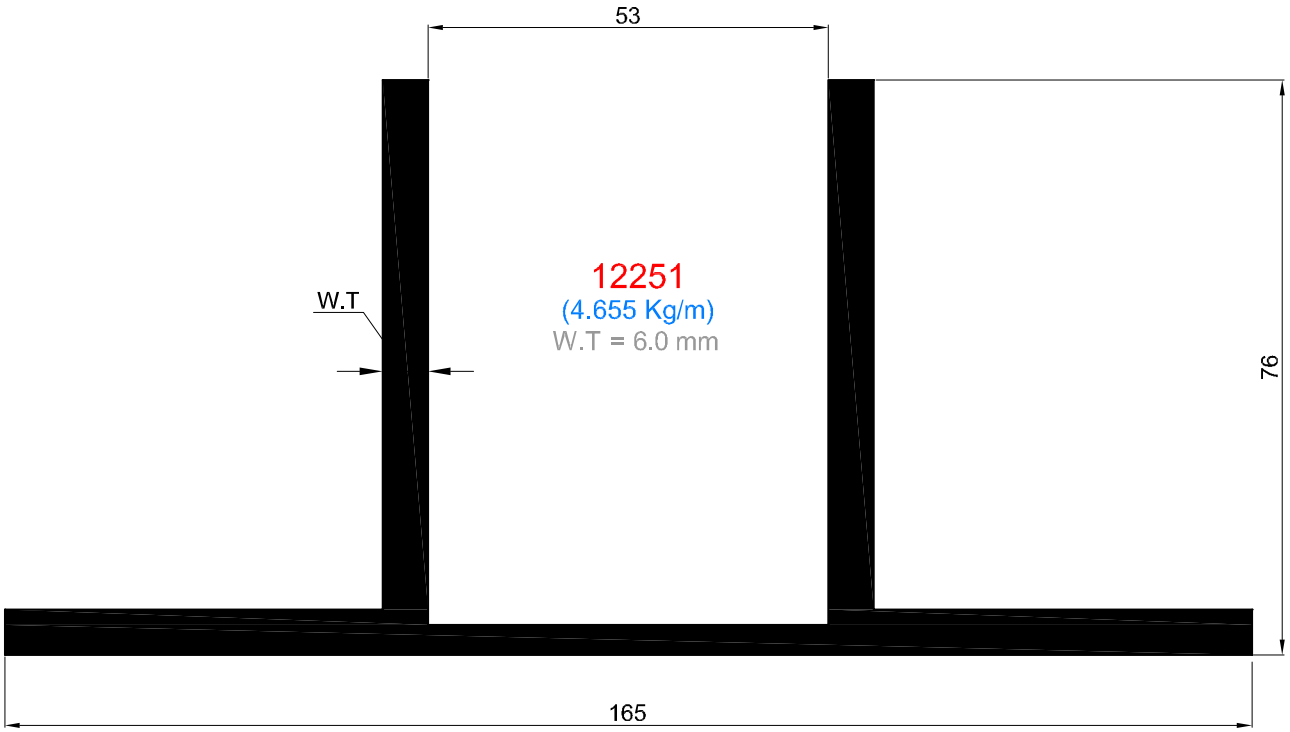
30359
(0.889 Kg/m)
W.T = 6.0 mm

CURTAIN WALL

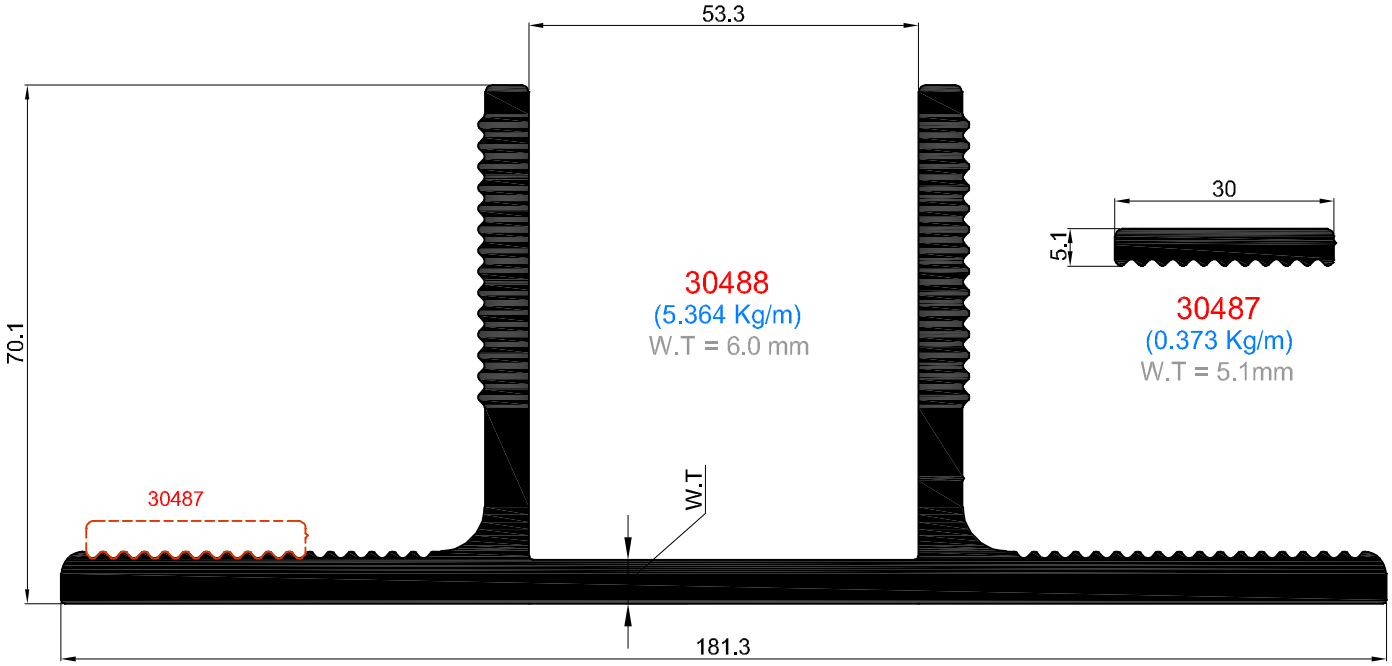


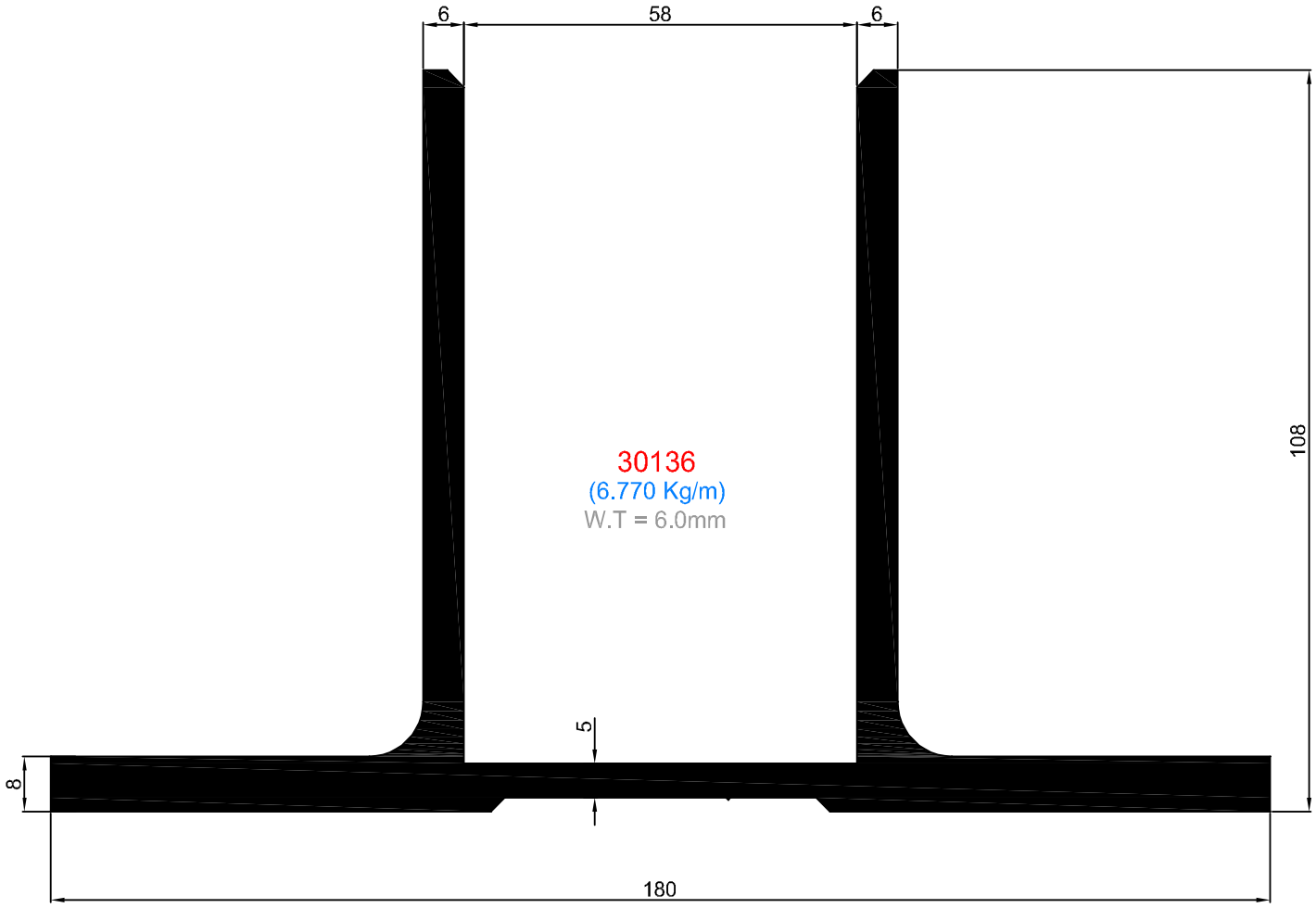
CURTAIN WALL



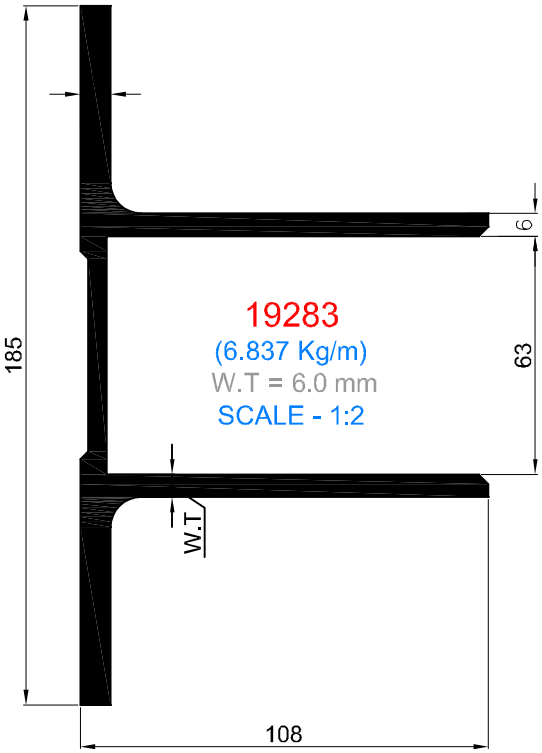


CURTAIN WALL

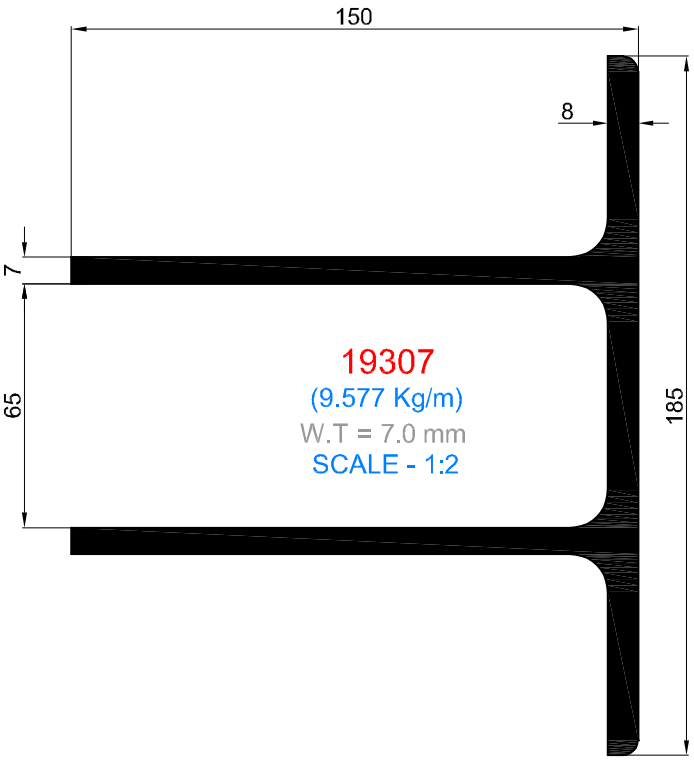




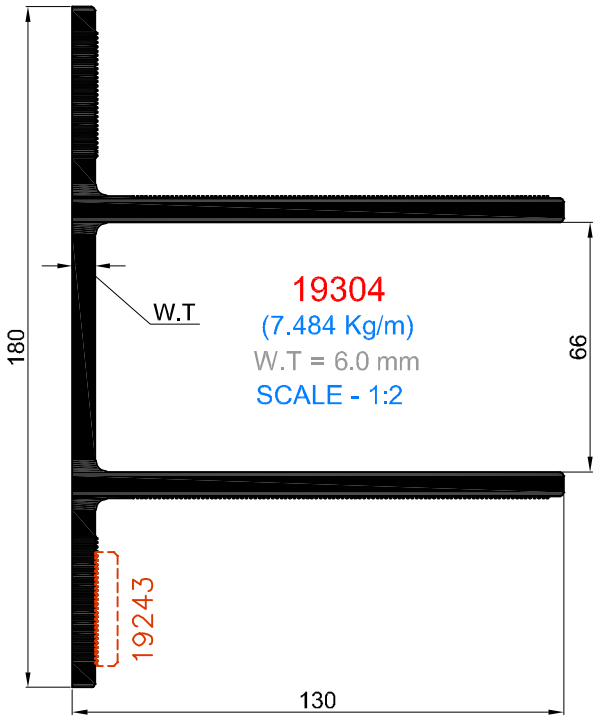
CURTAIN WALL



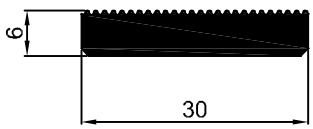
19283
(6.837 Kg/m)
W.T = 6.0 mm
SCALE - 1:2



19307
(9.577 Kg/m)
W.T = 7.0 mm
SCALE - 1:2

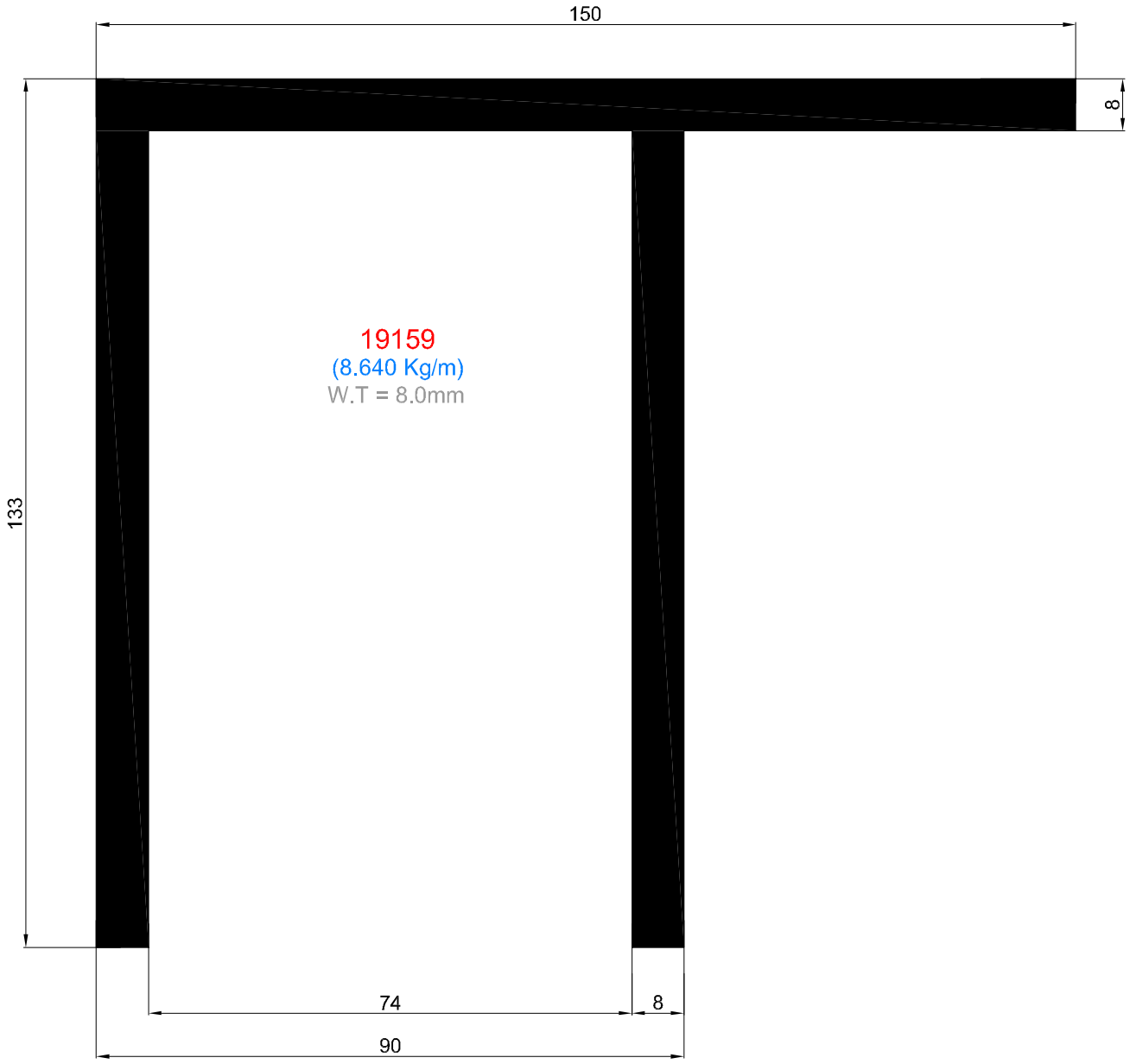


19304
(7.484 Kg/m)
W.T = 6.0 mm
SCALE - 1:2

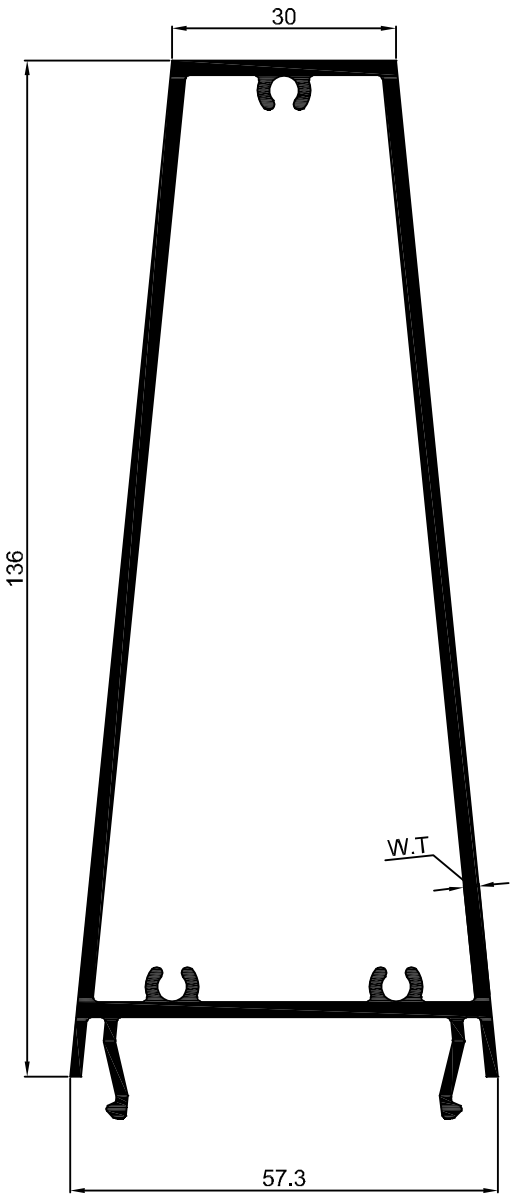


19243
(0.459 Kg/m)

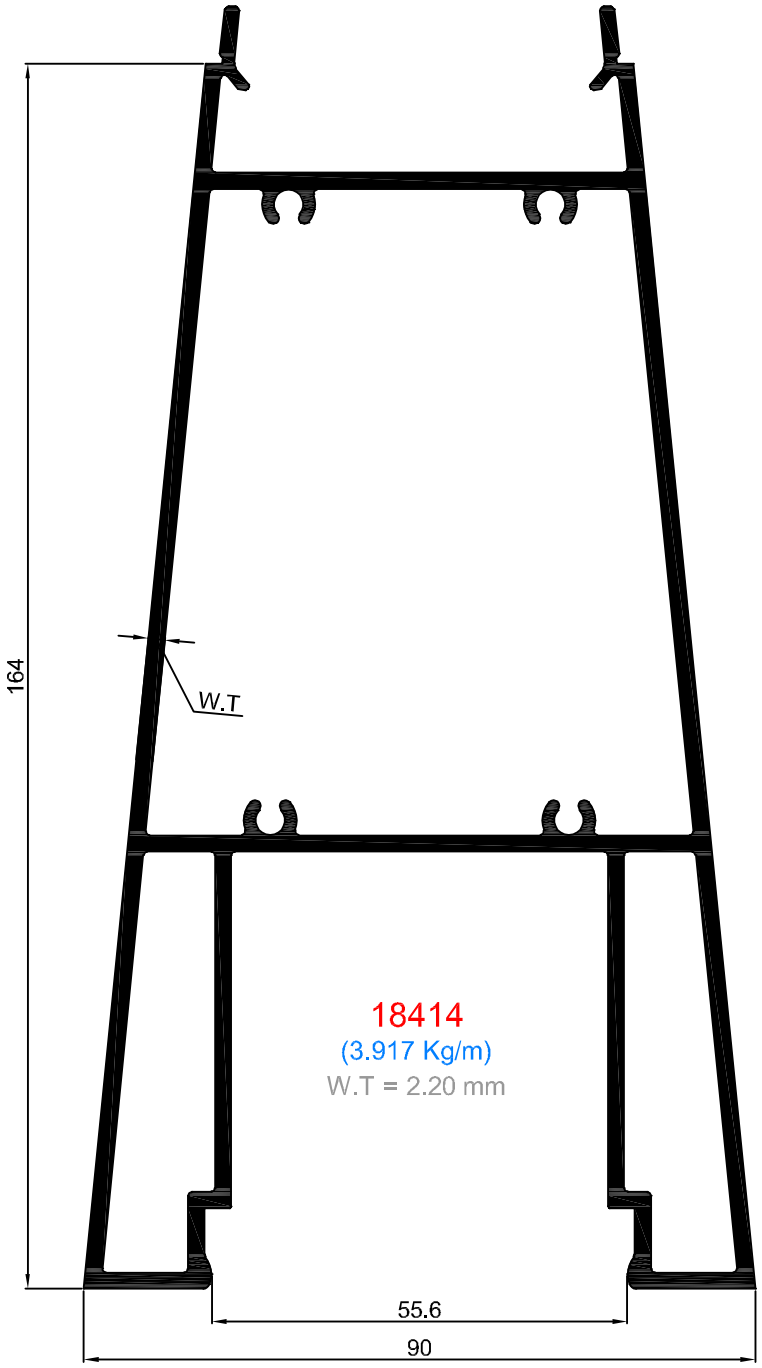
CURTAIN WALL



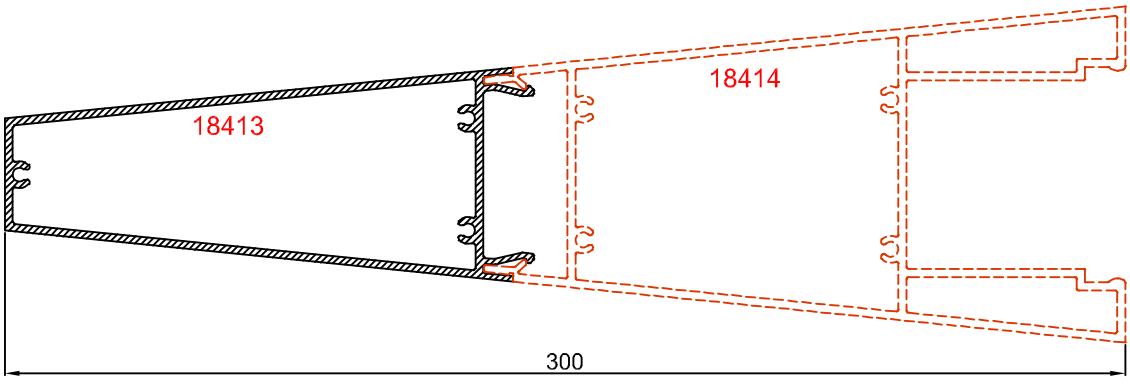
CURTAIN WALL



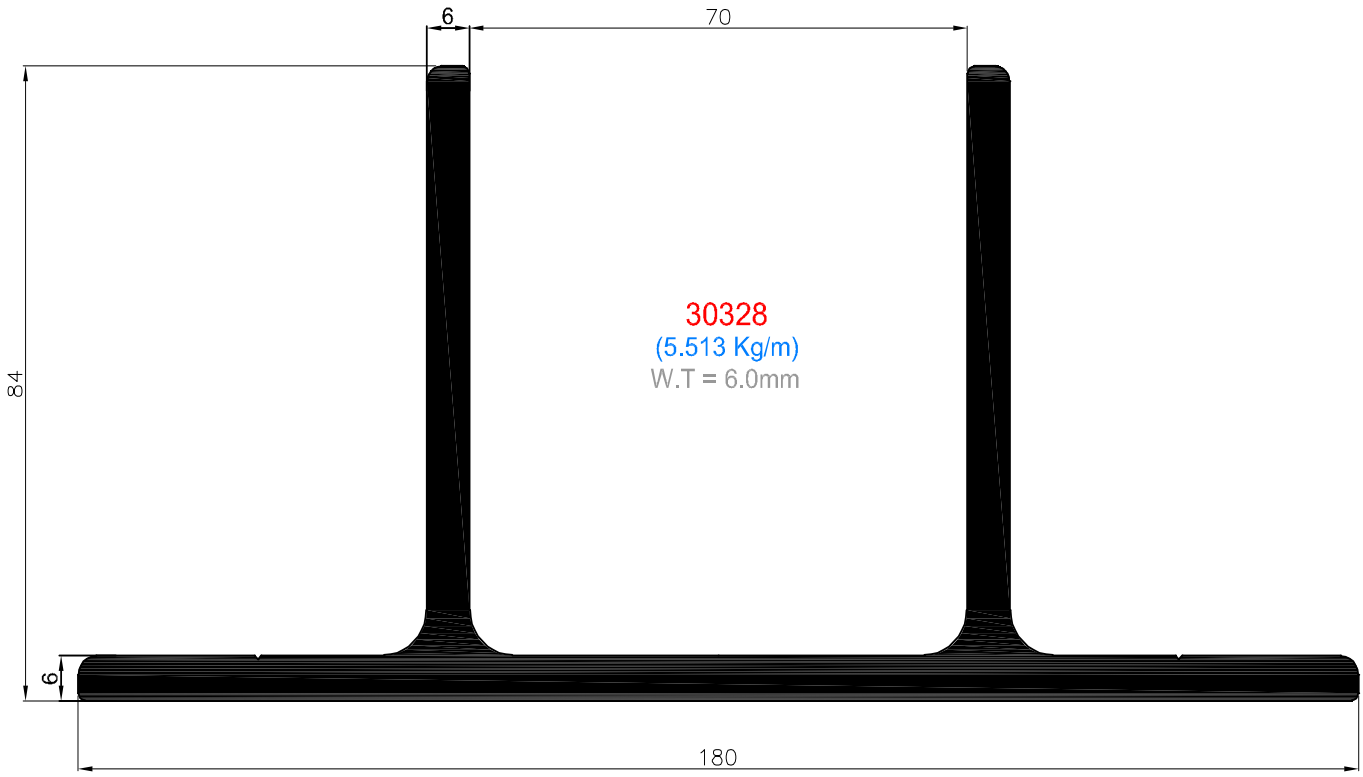
18413
(2.129 Kg/m)
W.T = 2.0 mm



18414
(3.917 Kg/m)
W.T = 2.20 mm

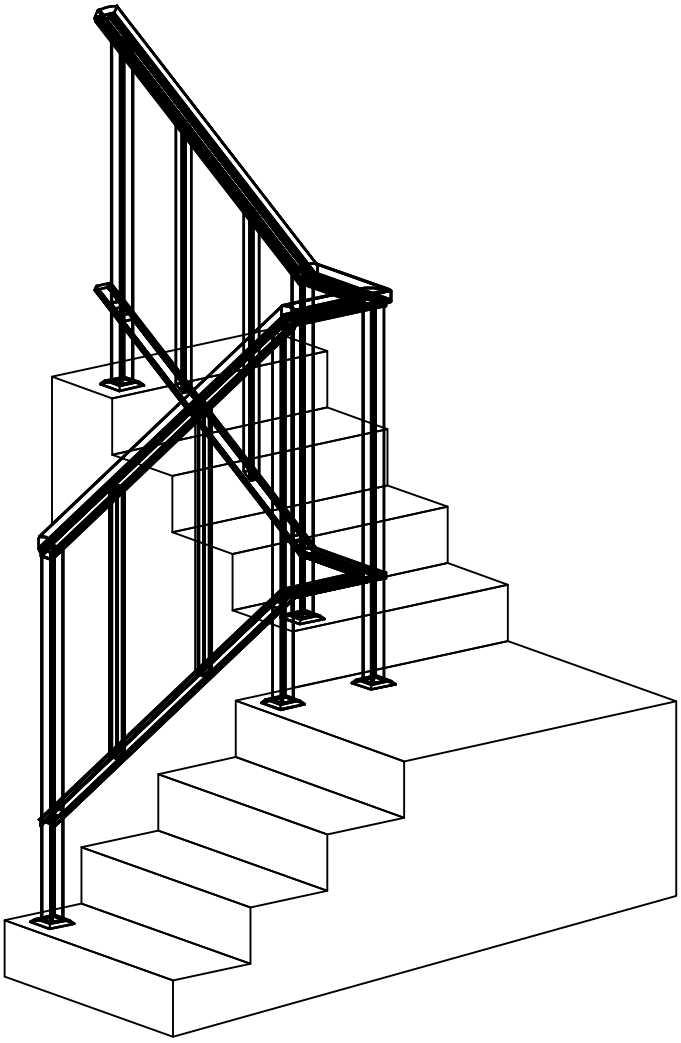


CURTAIN WALL

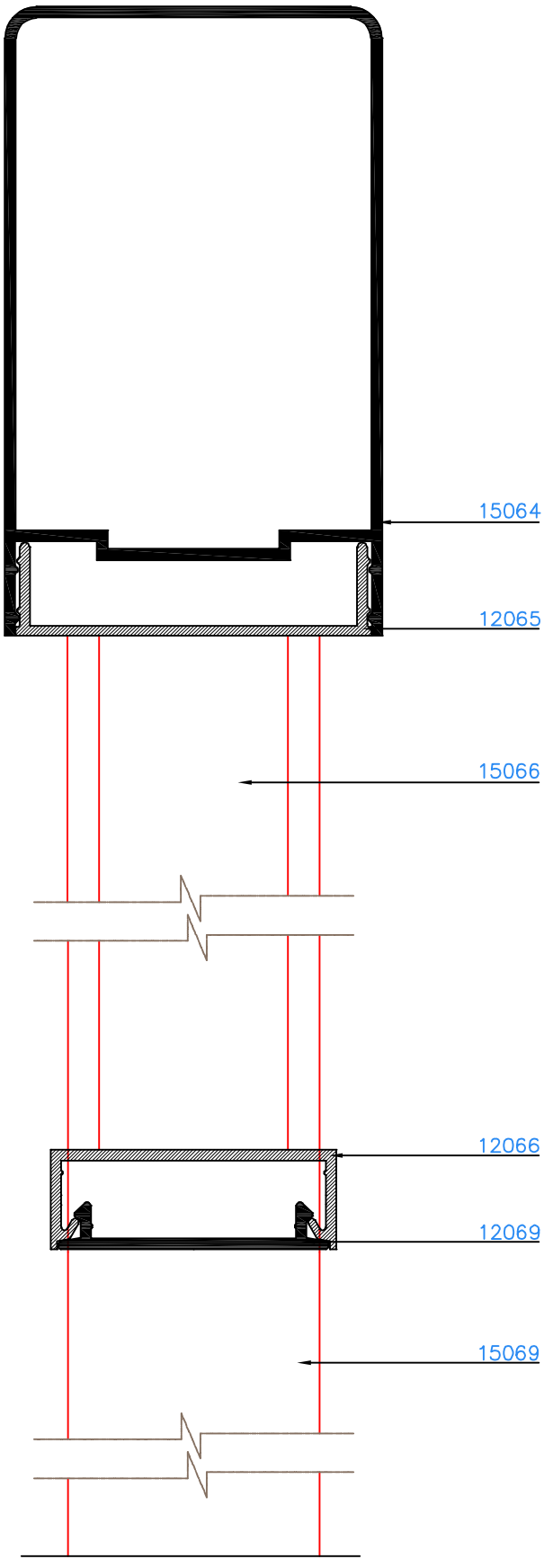


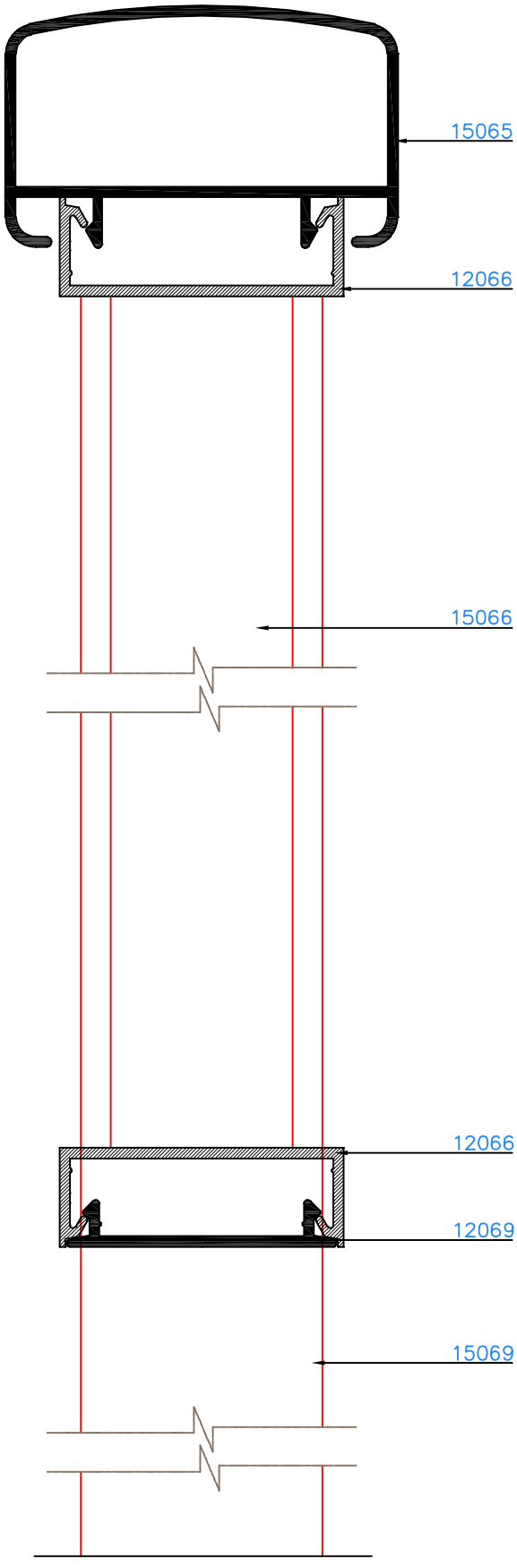
HANDRAILS & BALUSTRADES

HANDRAILS AND BALUSTRADES

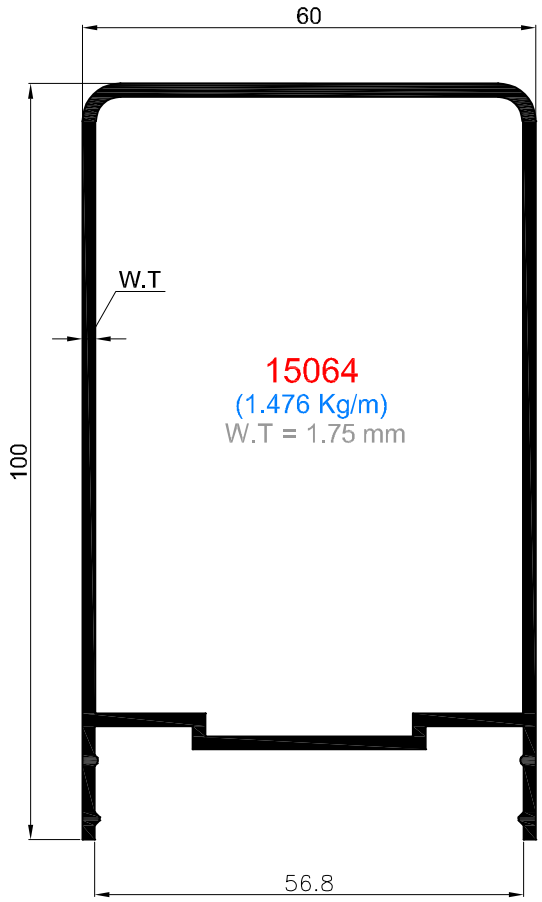


HANDRAILS AND BALUSTRADES

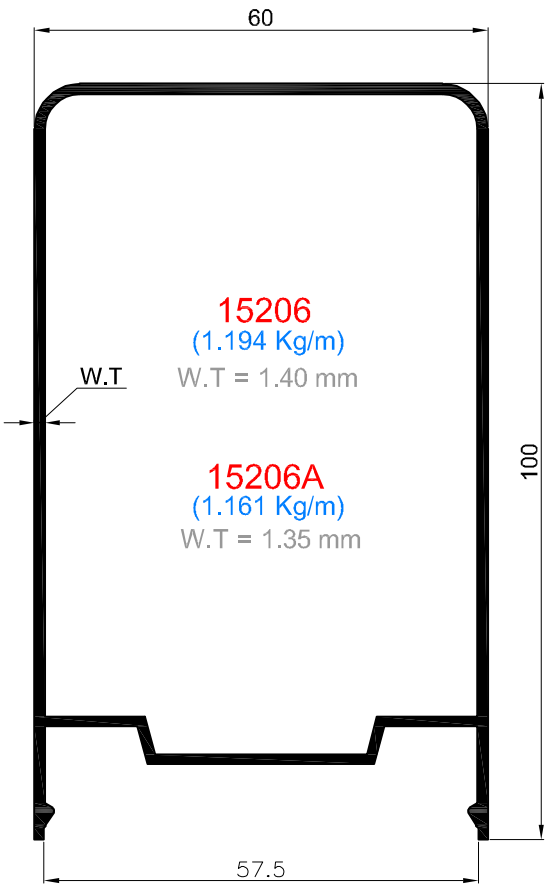




HANDRAILS AND BALUSTRADES

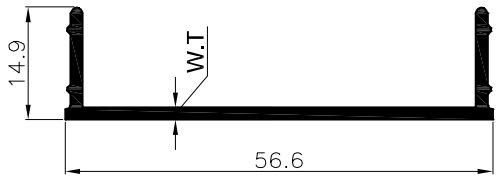


15064
(1.476 Kg/m)
W.T = 1.75 mm

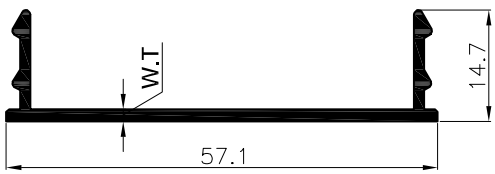


15206
(1.194 Kg/m)
W.T = 1.40 mm

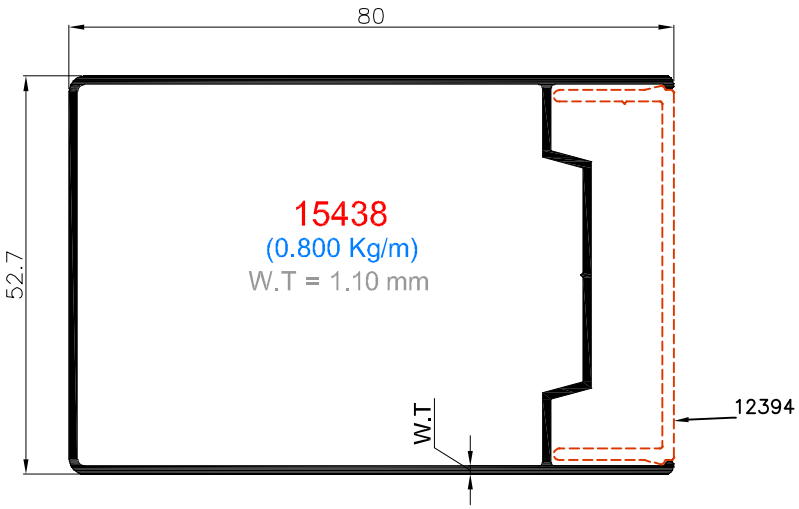
15206A
(1.161 Kg/m)
W.T = 1.35 mm



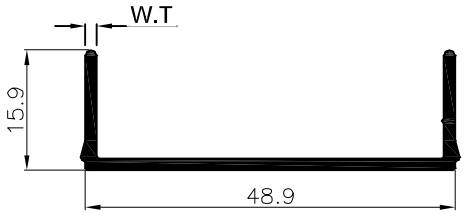
12065
(0.361 Kg/m)
W.T = 1.60 mm



12153
(0.362 Kg/m)
W.T = 1.60 mm

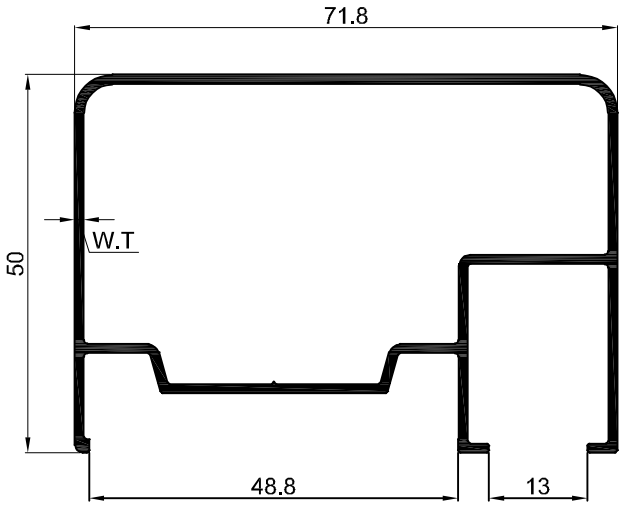


15438
(0.800 Kg/m)
W.T = 1.10 mm

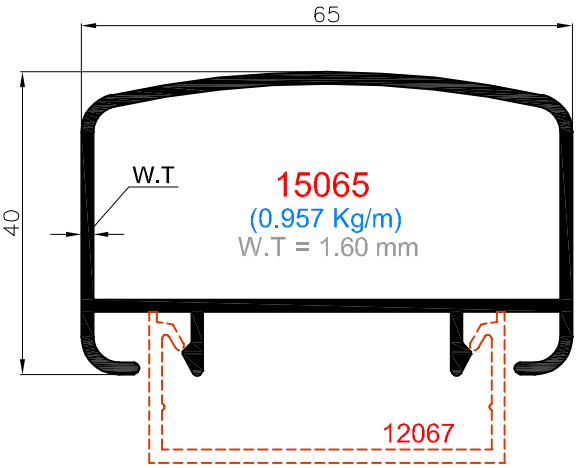


12394
(0.318 Kg/m)
W.T = 1.5 mm

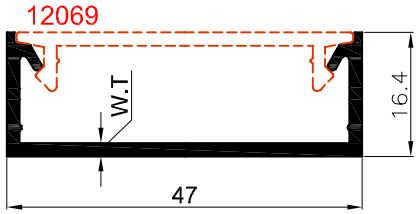
HANDRAILS AND BALUSTRADES



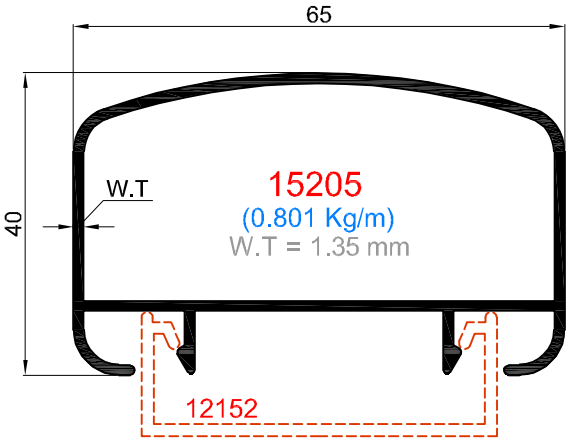
15180
(0.889 Kg/m)
W.T = 1.20 mm



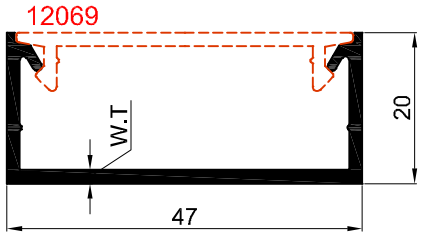
(0.957 Kg/m)
W.T = 1.60 mm



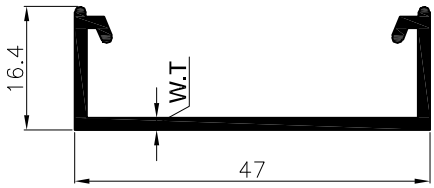
12066
(0.386 Kg/m)
W.T = 1.80 mm



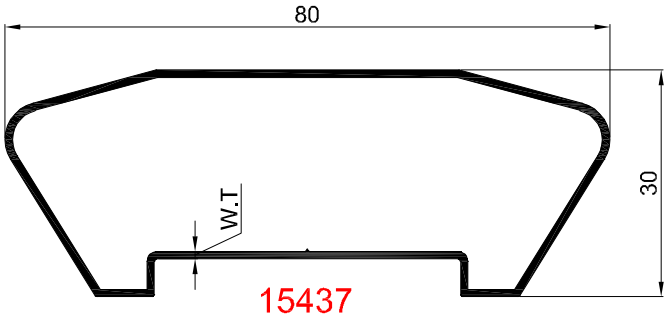
(0.801 Kg/m)
W.T = 1.35 mm



12067
(0.419 Kg/m)
W.T = 1.80 mm

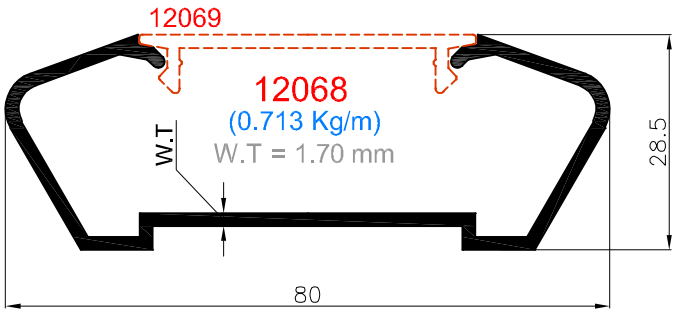


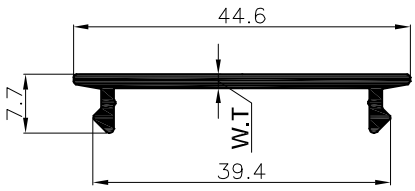
12152
(0.366 Kg/m)
W.T = 1.60 mm



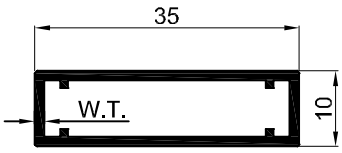
15437
(0.533 Kg/m)
W.T = 1.0 mm

HANDRAILS AND BALUSTRADES

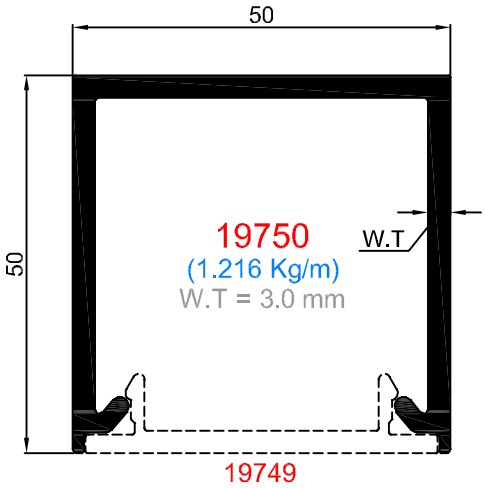


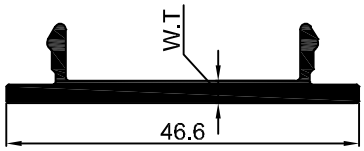


12069
(0.272 Kg/m)
W.T = 1.80 mm

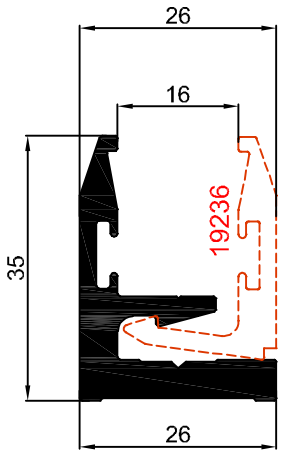


15345
(0.308 Kg/m)
W.T = 1.30 mm

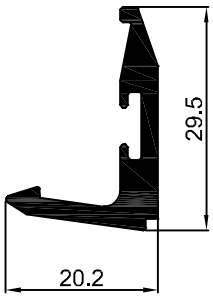




19749
(0.433 Kg/m)
W.T = 3.0 mm

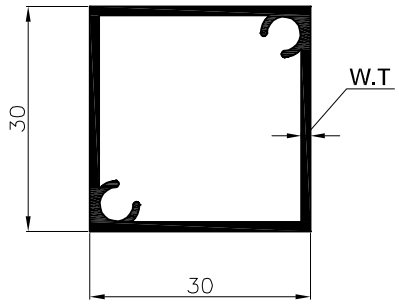


19235
(0.754 Kg/m)



19236
(0.394 Kg/m)

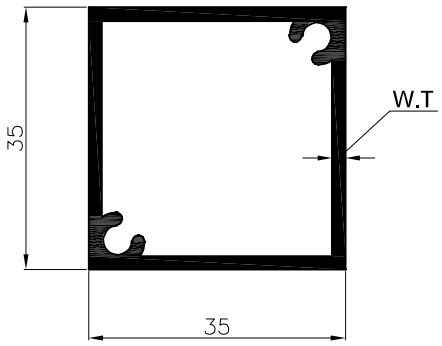
HANDRAILS AND BALUSTRADES



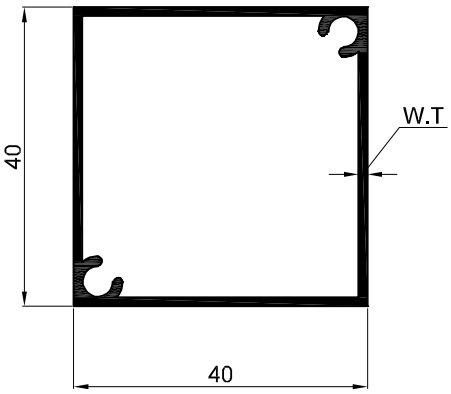
15066B
(0.322 Kg/m)
W.T = 0.90 mm

15066
(0.414 Kg/m)
W.T = 1.20 mm

15067
(0.639 Kg/m)
W.T = 1.90 mm

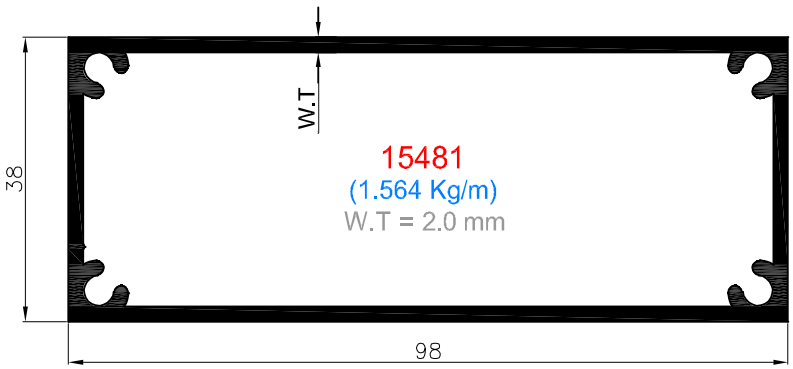


15068
(0.711 Kg/m)
W.T = 1.80 mm

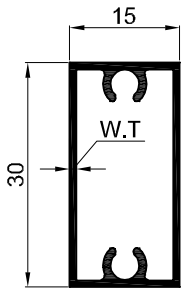


15069
(0.549 Kg/m)
W.T = 1.20 mm

15070
(0.844 Kg/m)
W.T = 1.90 mm

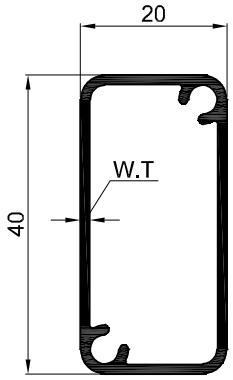


15481
(1.564 Kg/m)
W.T = 2.0 mm

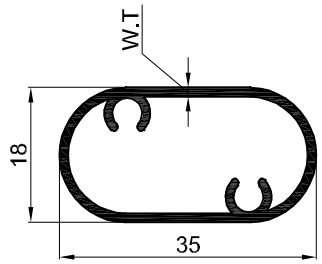


15244
(0.265 Kg/m)
W.T = 0.90 mm

15294
(0.287 Kg/m)
W.T = 1.0 mm



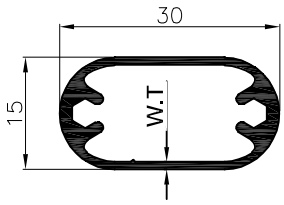
15157
(0.428 Kg/m)
W.T = 1.30 mm



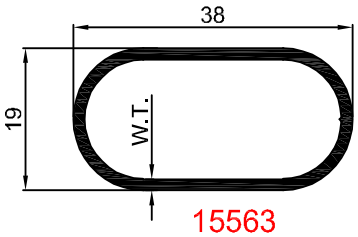
15071
(0.342 Kg/m)
W.T = 1.20 mm

15071A
(0.300Kg/m)
W.T = 1.0 mm

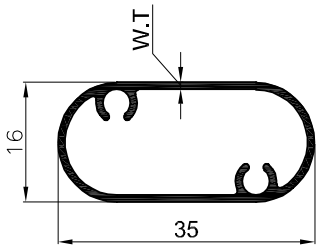
15072
(0.423 Kg/m)
W.T = 1.50 mm



15580
(0.308 Kg/m)
W.T = 1.0 mm

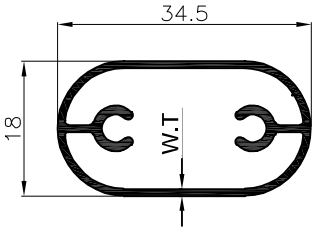


15563
(0.377 Kg/m)
W.T = 1.5 mm

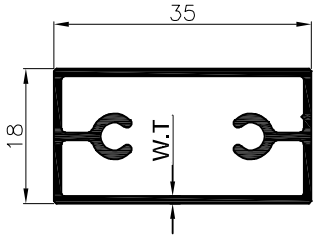


15260
(0.255 Kg/m)
W.T = 0.90 mm

15413
(0.293 Kg/m)
W.T = 0.90 mm

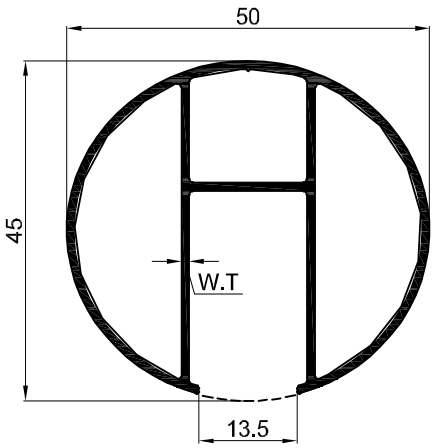


15587
(0.314 Kg/m)
W.T = 0.90 mm

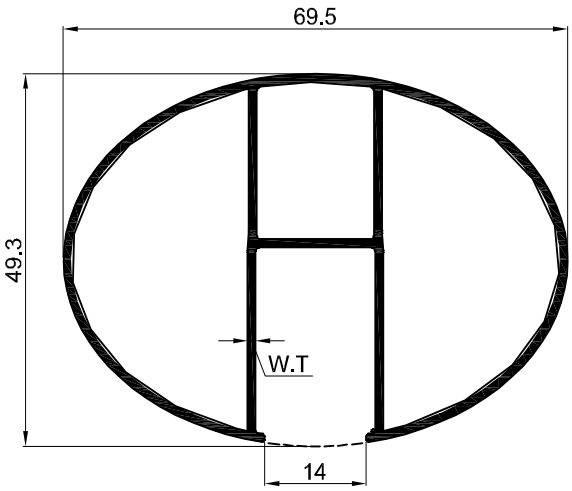


15588
(0.381 Kg/m)
W.T = 1.0 mm

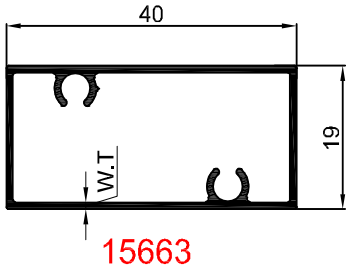
HANDRAILS AND BALUSTRADES



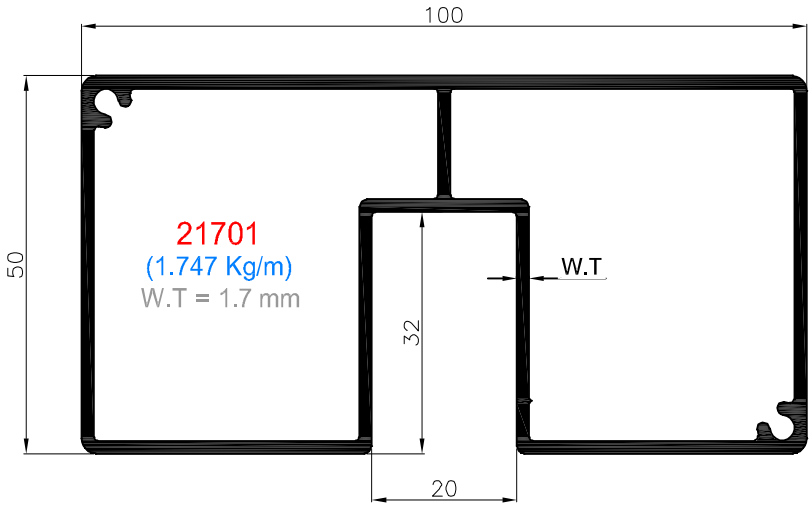
18457
(0.679 Kg/m)
W.T = 1.10 mm

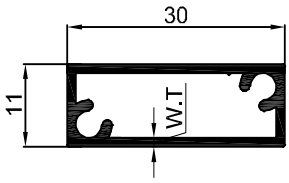


15372
(0.826 Kg/m)
W.T = 1.10 mm

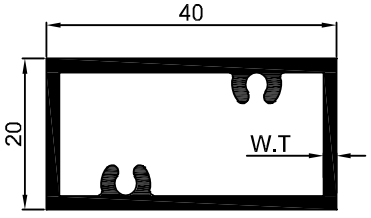


15663
(0.331 Kg/m)
W.T = 0.90 mm

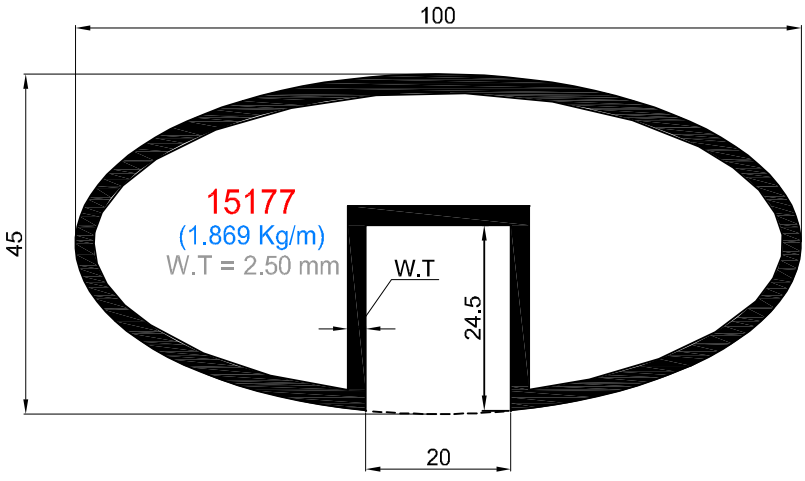




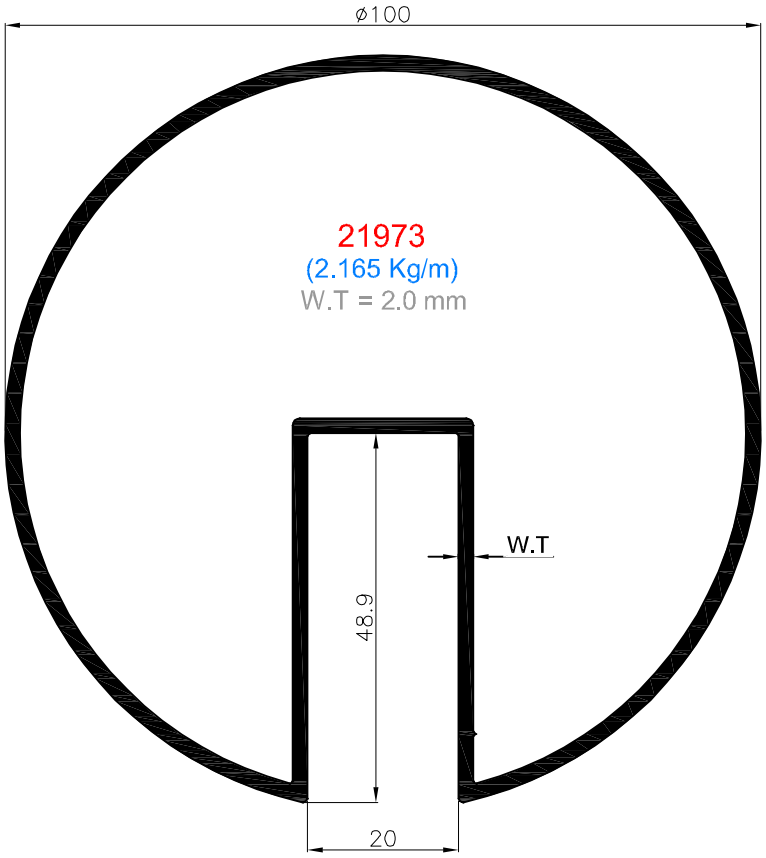
15566
(0.295 Kg/m)
W.T = 1.20 mm



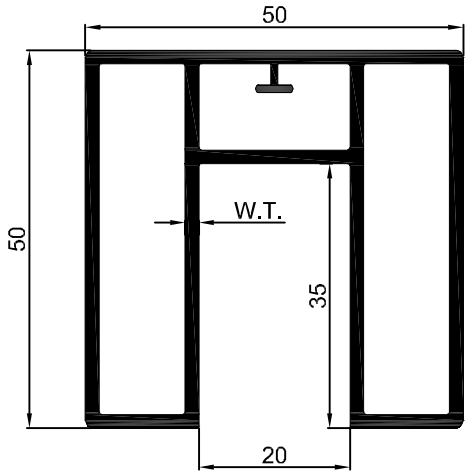
15817
(0.632 Kg/m)
W.T = 1.8 mm



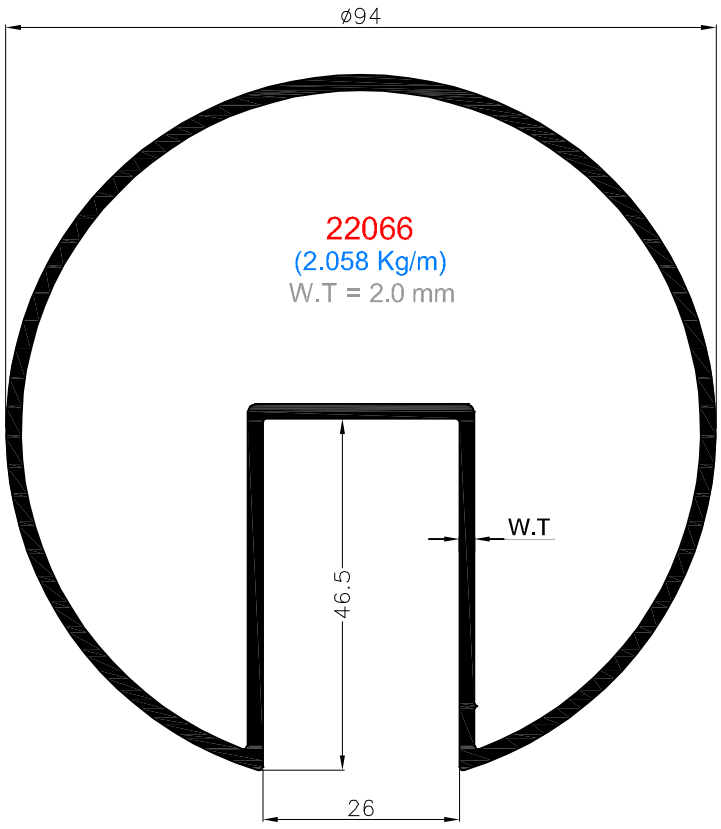
HANDRAILS AND BALUSTRADES



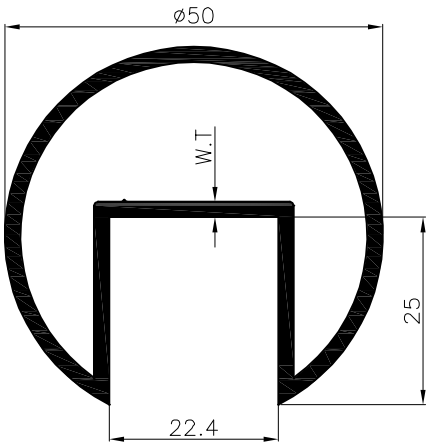
21973
(2.165 Kg/m)
W.T = 2.0 mm



60193
(1.407 Kg/m)
W.T = 1.80 mm

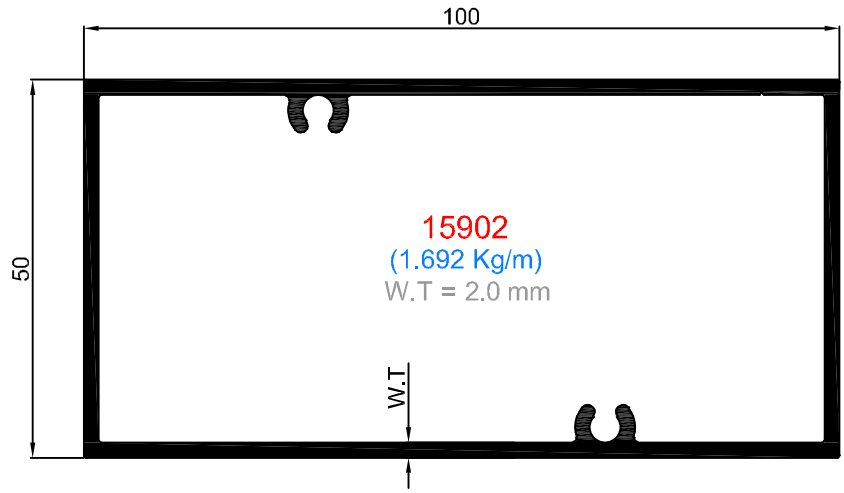


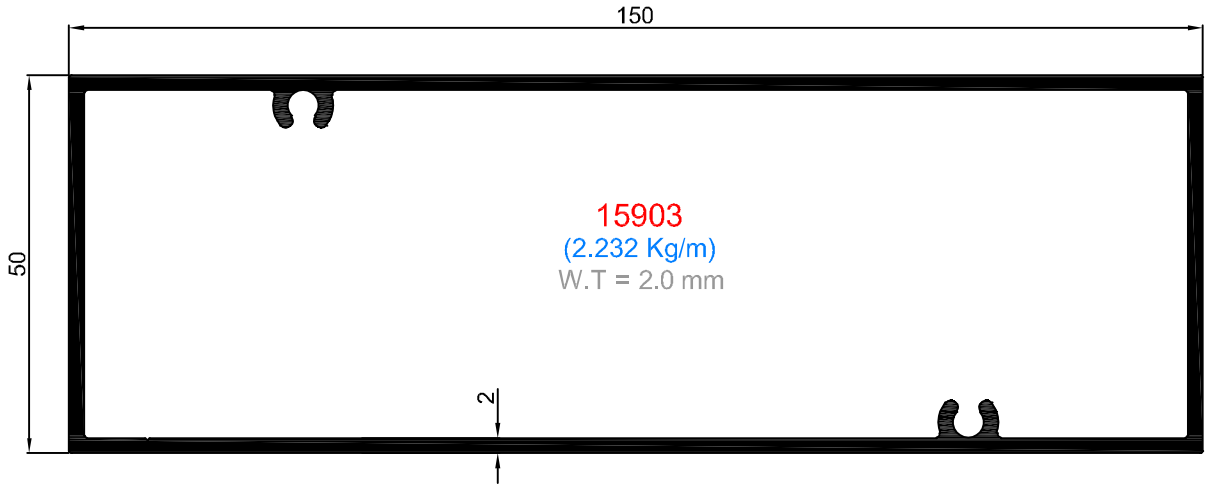
22066
(2.058 Kg/m)
W.T = 2.0 mm



21864
(1.068 Kg/m)
W.T = 2.0 mm

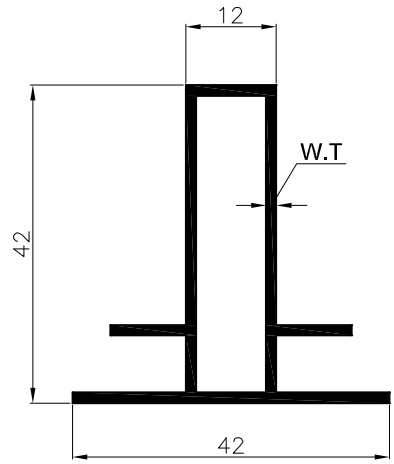
HANDRAILS AND BALUSTRADES



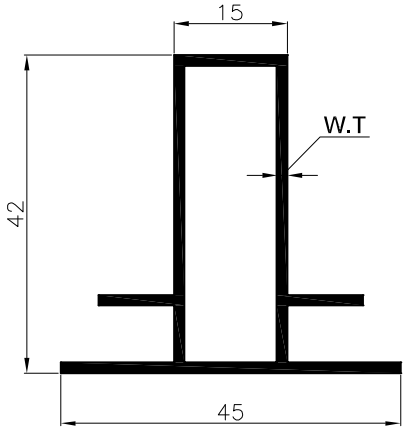


AMPLIMESH

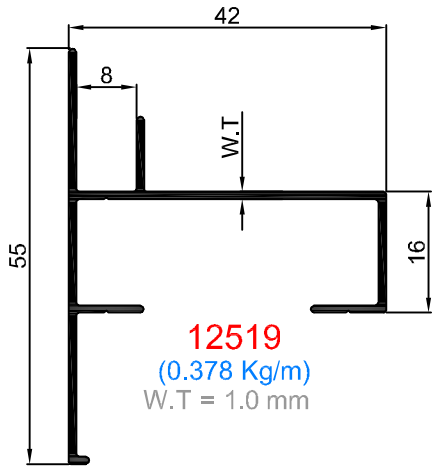
AMPLIMESH



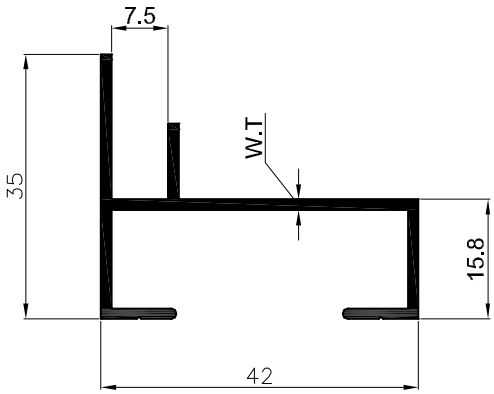
15062
(0.576 Kg/m)
W.T = 1.40 mm



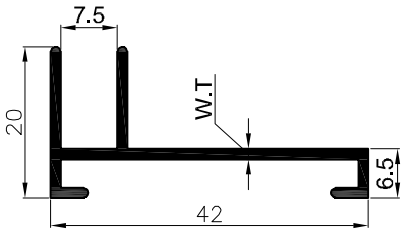
15063A
(0.472 Kg/m)
W.T = 1.10 mm



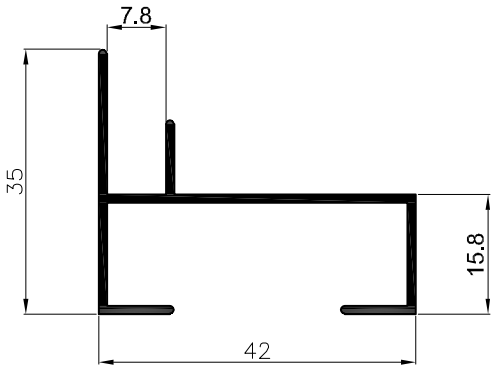
12519
(0.378 Kg/m)
W.T = 1.0 mm



12058
(0.441 Kg/m)
W.T = 1.40 mm



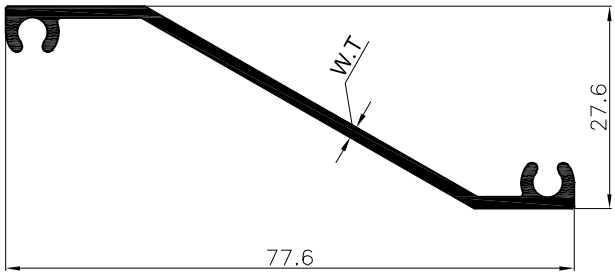
12163
(0.313 Kg/m)
W.T = 1.30 mm

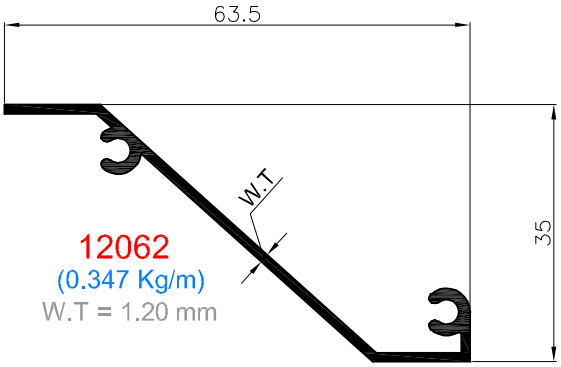


12058A
(0.350 Kg/m)
W.T = 1.10 mm

LOUVERS

LOUVERS



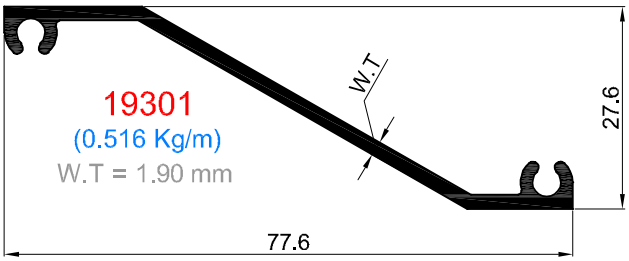


12062
(0.347 Kg/m)
W.T = 1.20 mm

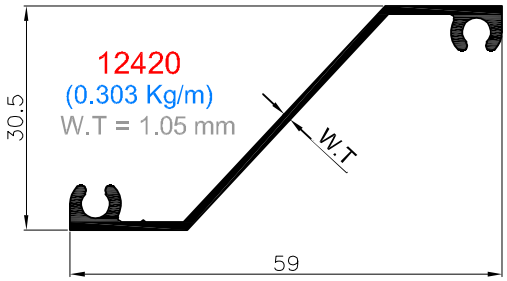
12061
(0.449 Kg/m)
W.T = 1.60 mm

12060
(0.381 Kg/m)
W.T = 1.30 mm

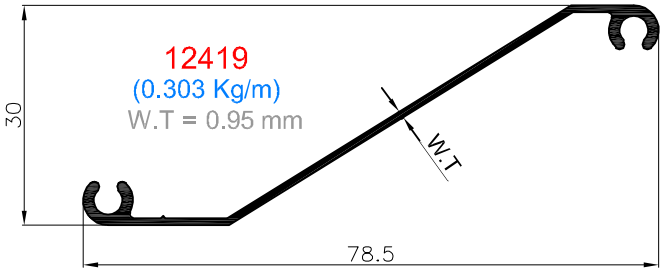
12060A
(0.363 Kg/m)
W.T = 1.20 mm



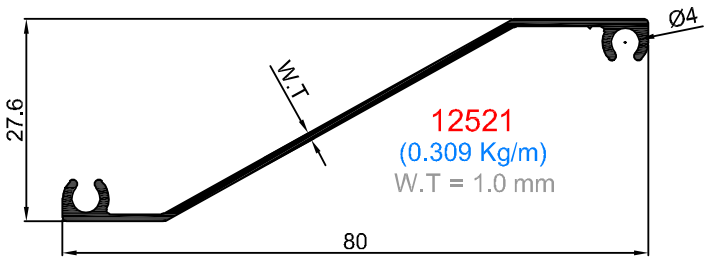
19301
(0.516 Kg/m)
W.T = 1.90 mm



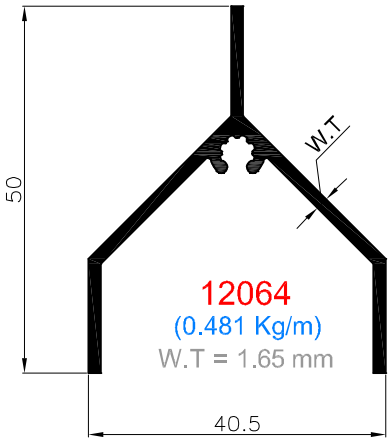
12420
(0.303 Kg/m)
W.T = 1.05 mm



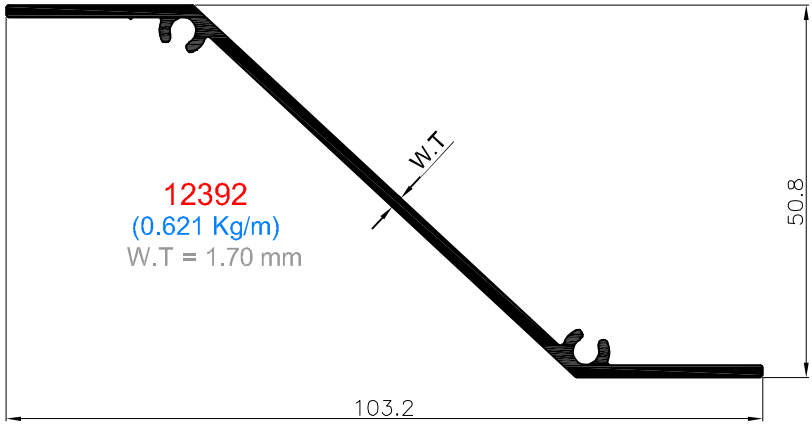
12419
(0.303 Kg/m)
W.T = 0.95 mm



12521
(0.309 Kg/m)
W.T = 1.0 mm

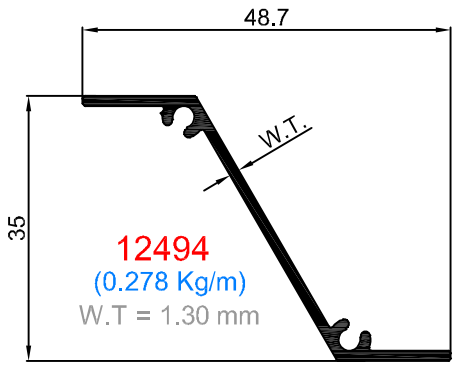


12064
(0.481 Kg/m)
W.T = 1.65 mm

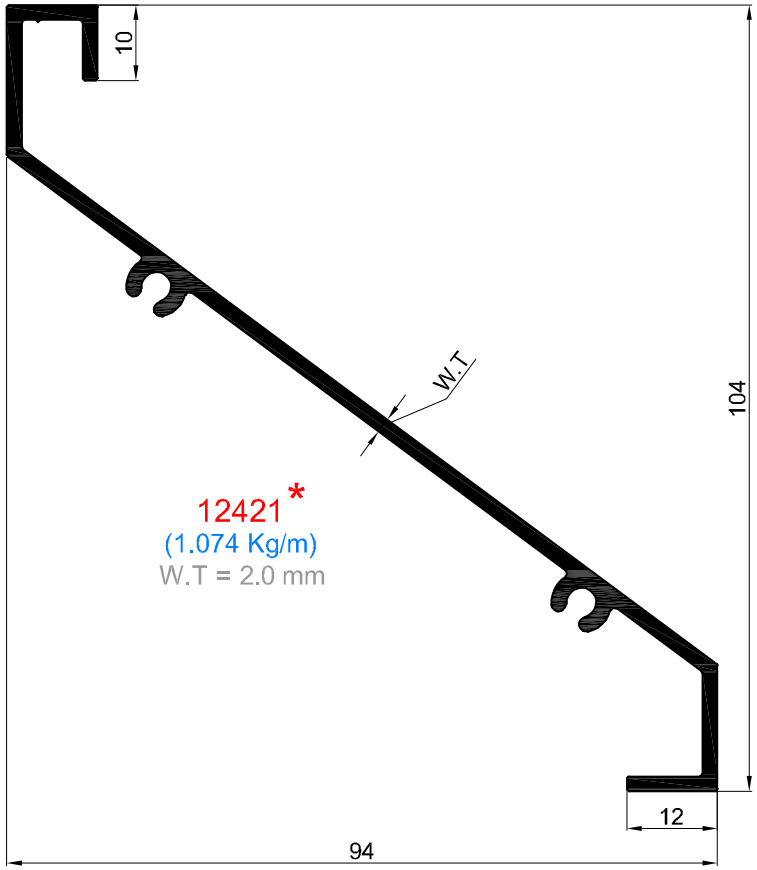


12392
(0.621 Kg/m)
W.T = 1.70 mm

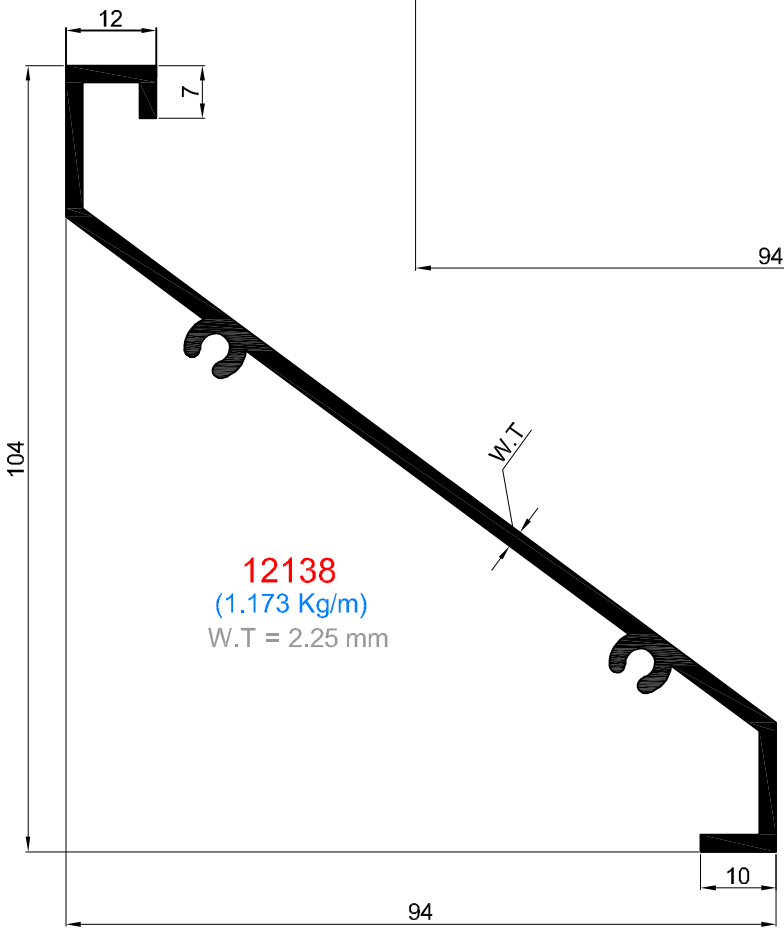
LOUVERS



12494
(0.278 Kg/m)
W.T = 1.30 mm



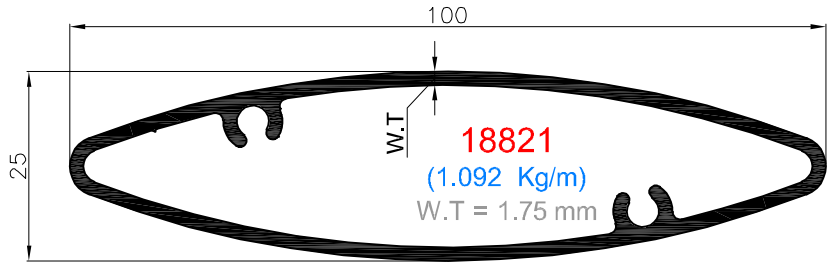
12421*
(1.074 Kg/m)
W.T = 2.0 mm

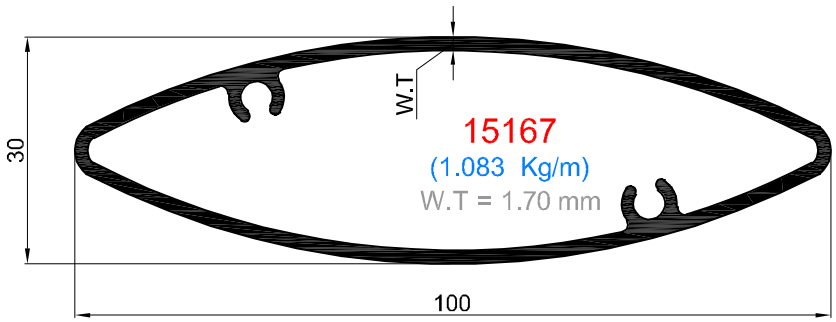


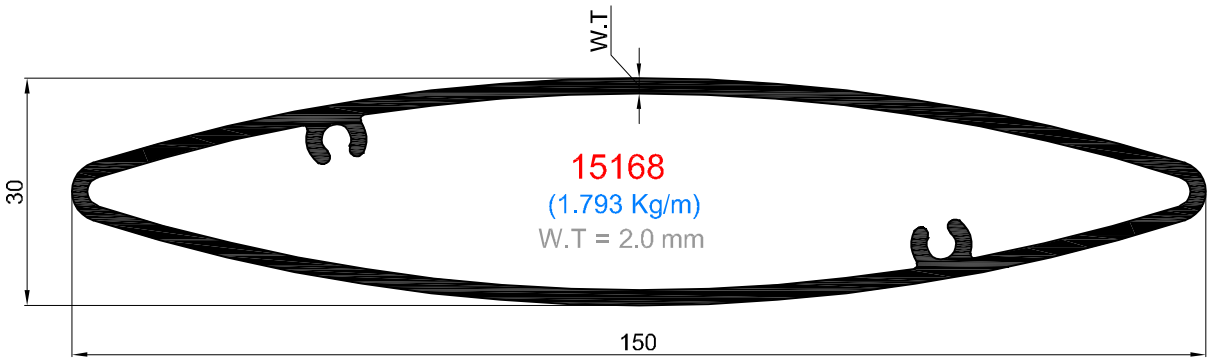
12138
(1.173 Kg/m)
W.T = 2.25 mm

* - Subject to Enquiry

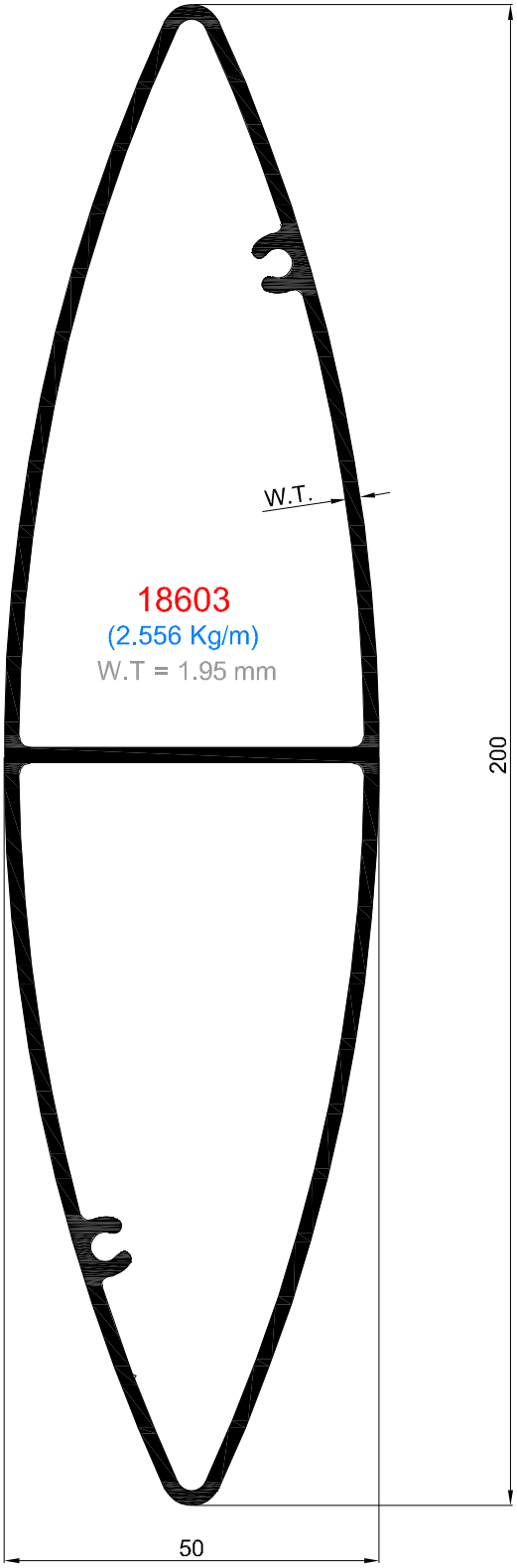
LOUVERS

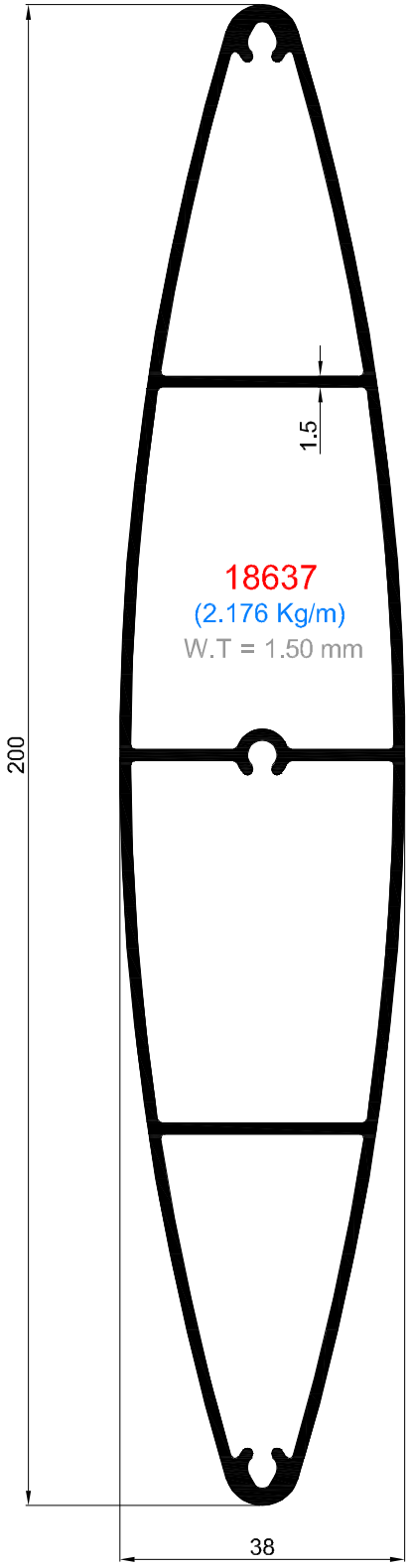

100
25
W.T
18821
(1.092 Kg/m)
W.T = 1.75 mm


30
W.T
15167
(1.083 Kg/m)
W.T = 1.70 mm
100

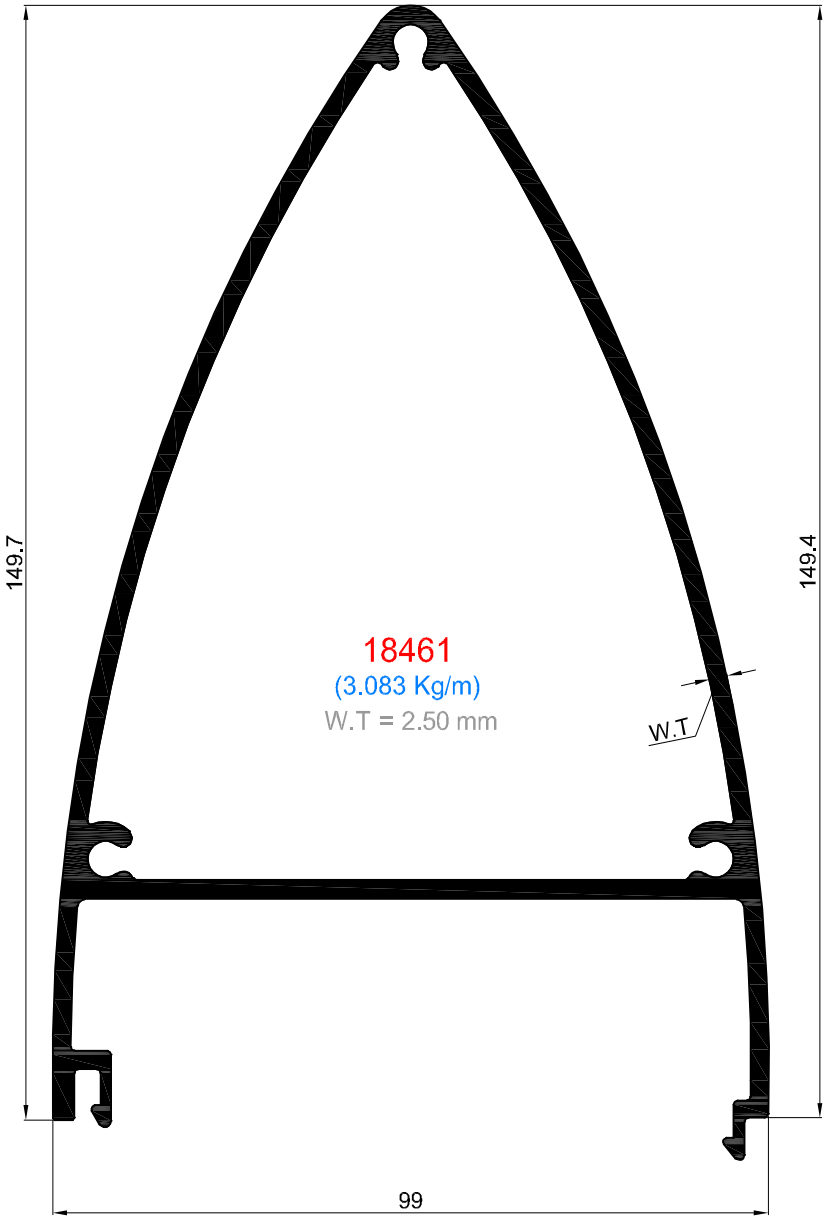

W.T
30
15168
(1.793 Kg/m)
W.T = 2.0 mm
150

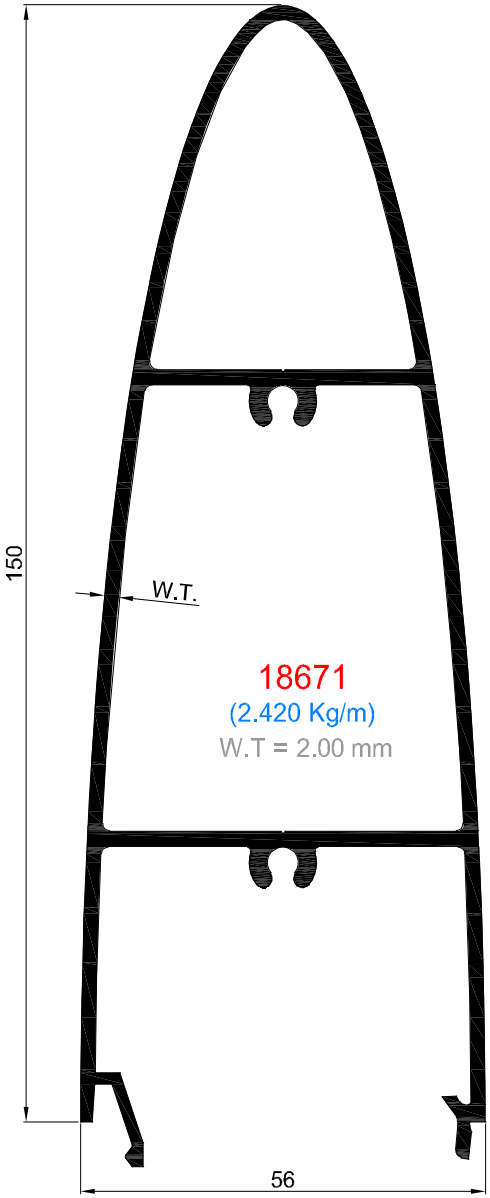
LOUVERS

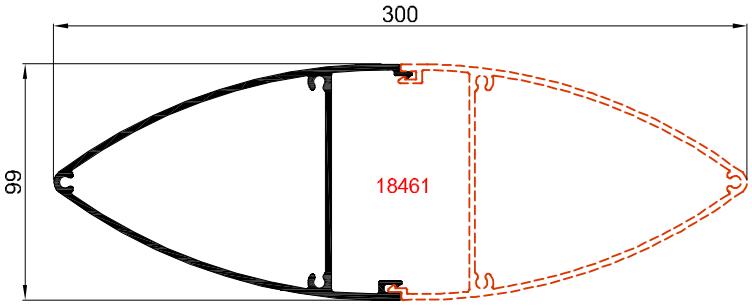

W.T.
18603
(2.556 Kg/m)
W.T = 1.95 mm
200
50


1.5
18637
(2.176 Kg/m)
W.T = 1.50 mm
200
38

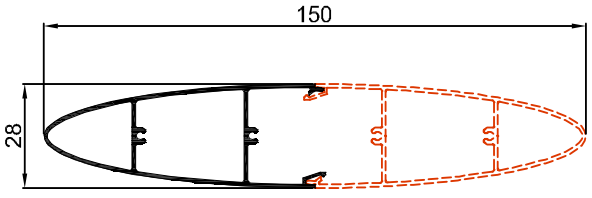
LOUVERS







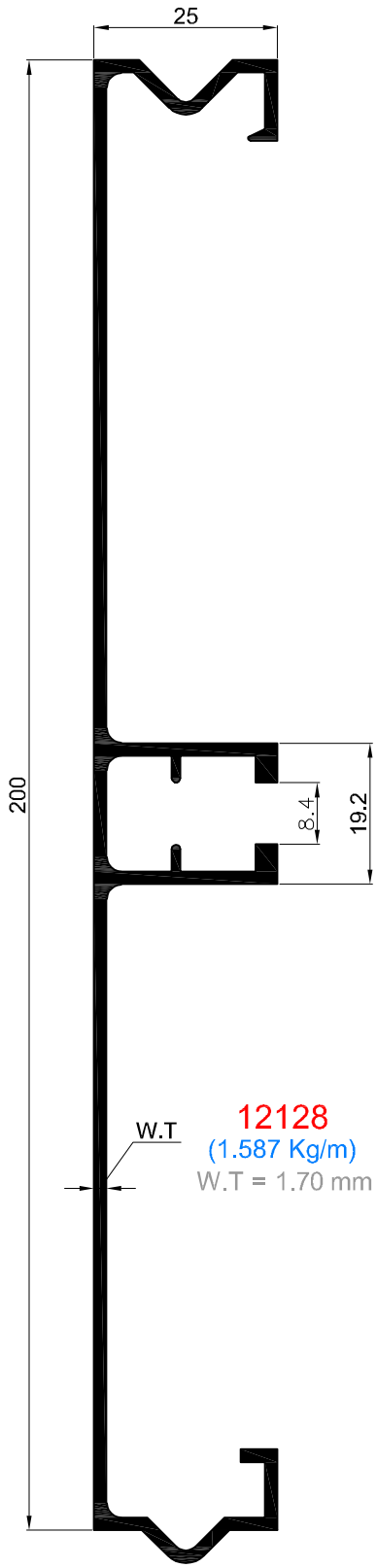
18461 SELF CLIPPING LOUVER



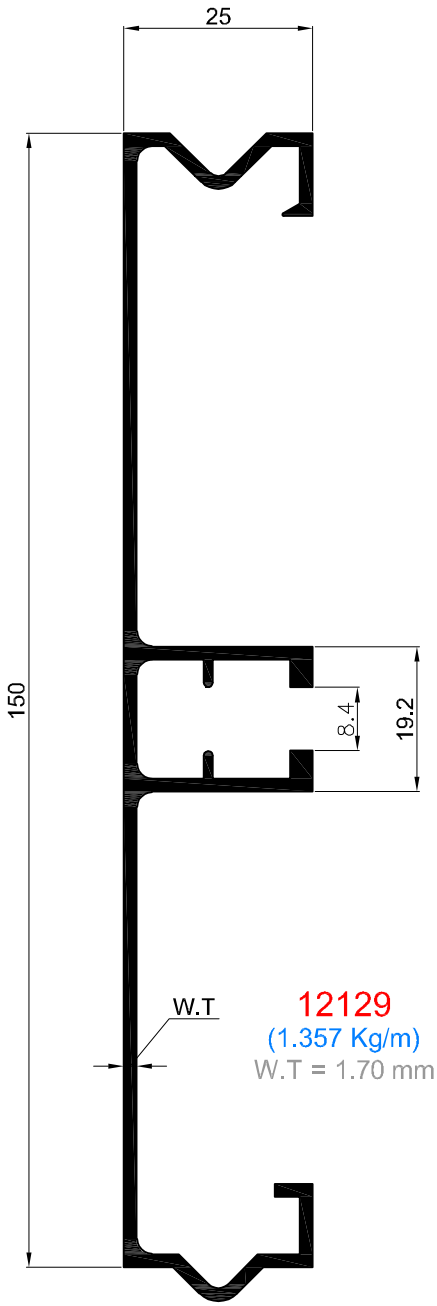
18671 SELF CLIPPING LOUVER

SIGN BOARD PROFILES

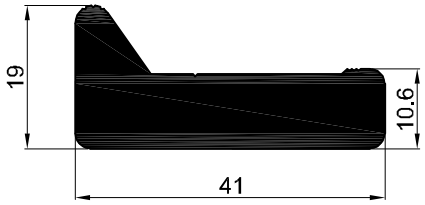
SIGN BOARD PROFILES



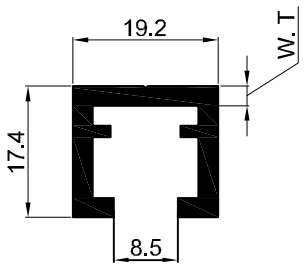
12128
(1.587 Kg/m)
W.T = 1.70 mm



12129
(1.357 Kg/m)
W.T = 1.70 mm

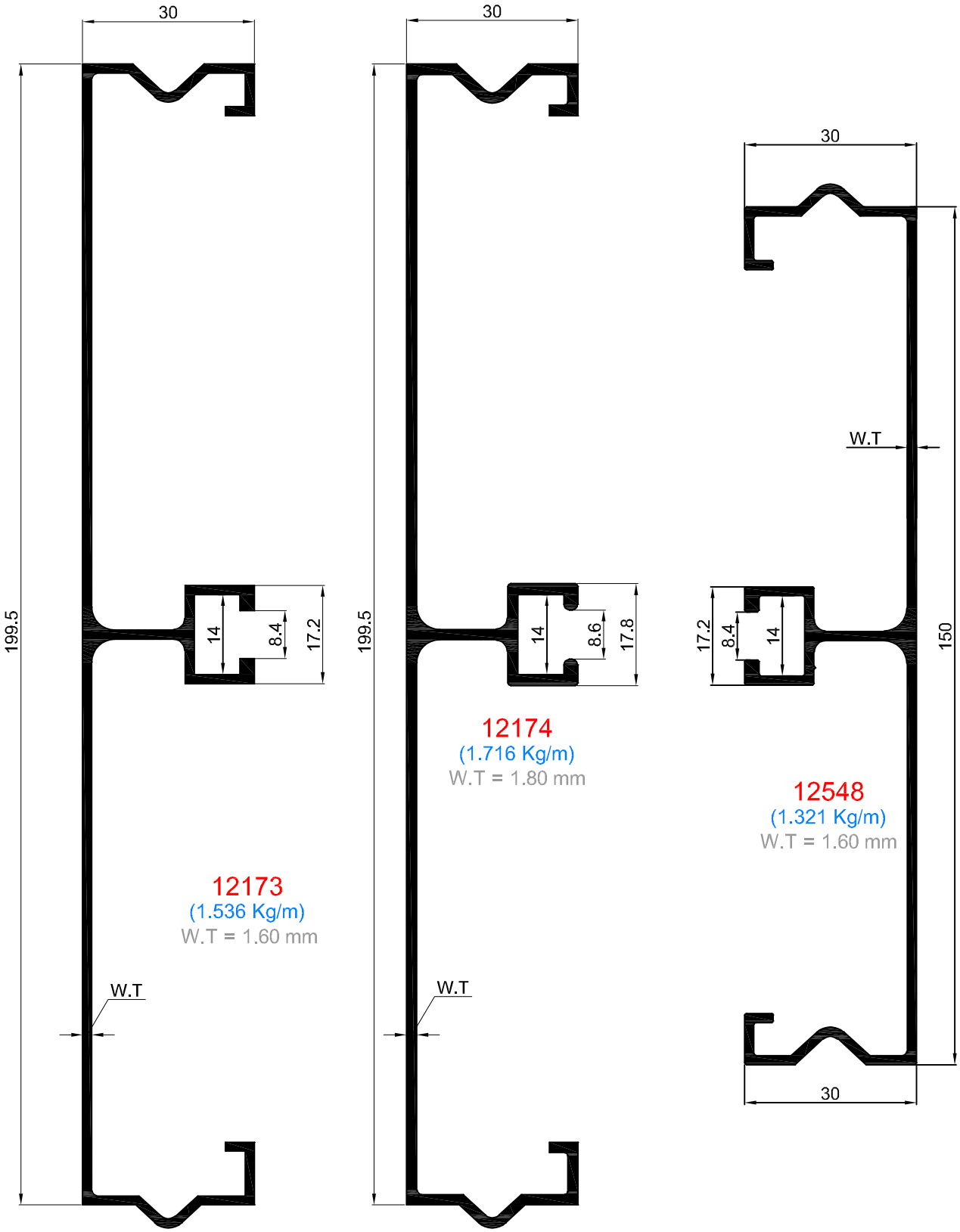


12134
(1.261 Kg/m)
W.T = 9.90 mm

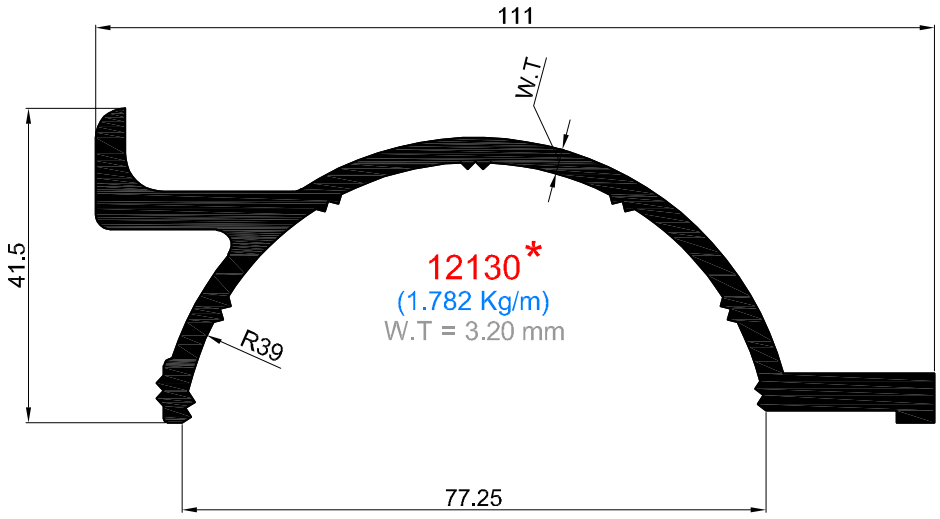


12135
(0.400 Kg/m)
W.T = 2.60 mm

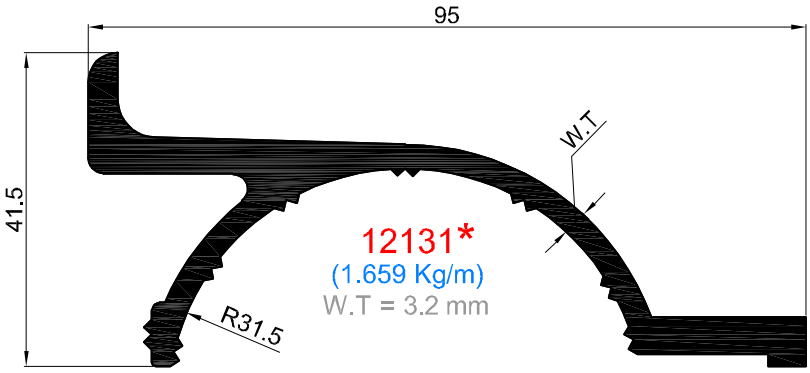
SIGN BOARD PROFILES



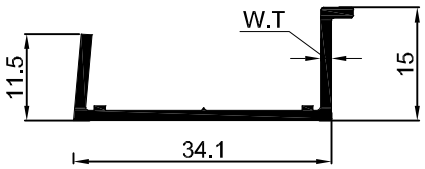
SIGN BOARD PROFILES



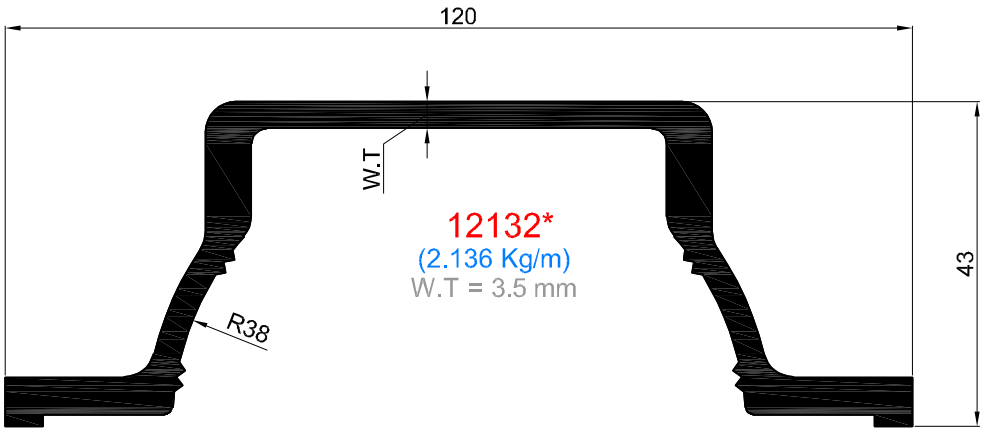
12130*
(1.782 Kg/m)
W.T = 3.20 mm



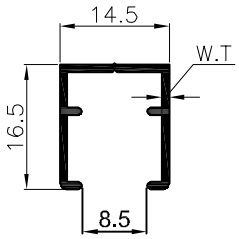
12131*
(1.659 Kg/m)
W.T = 3.2 mm



12304
(0.234 Kg/m)
W.T = 1.40 mm



12132*
(2.136 Kg/m)
W.T = 3.5 mm

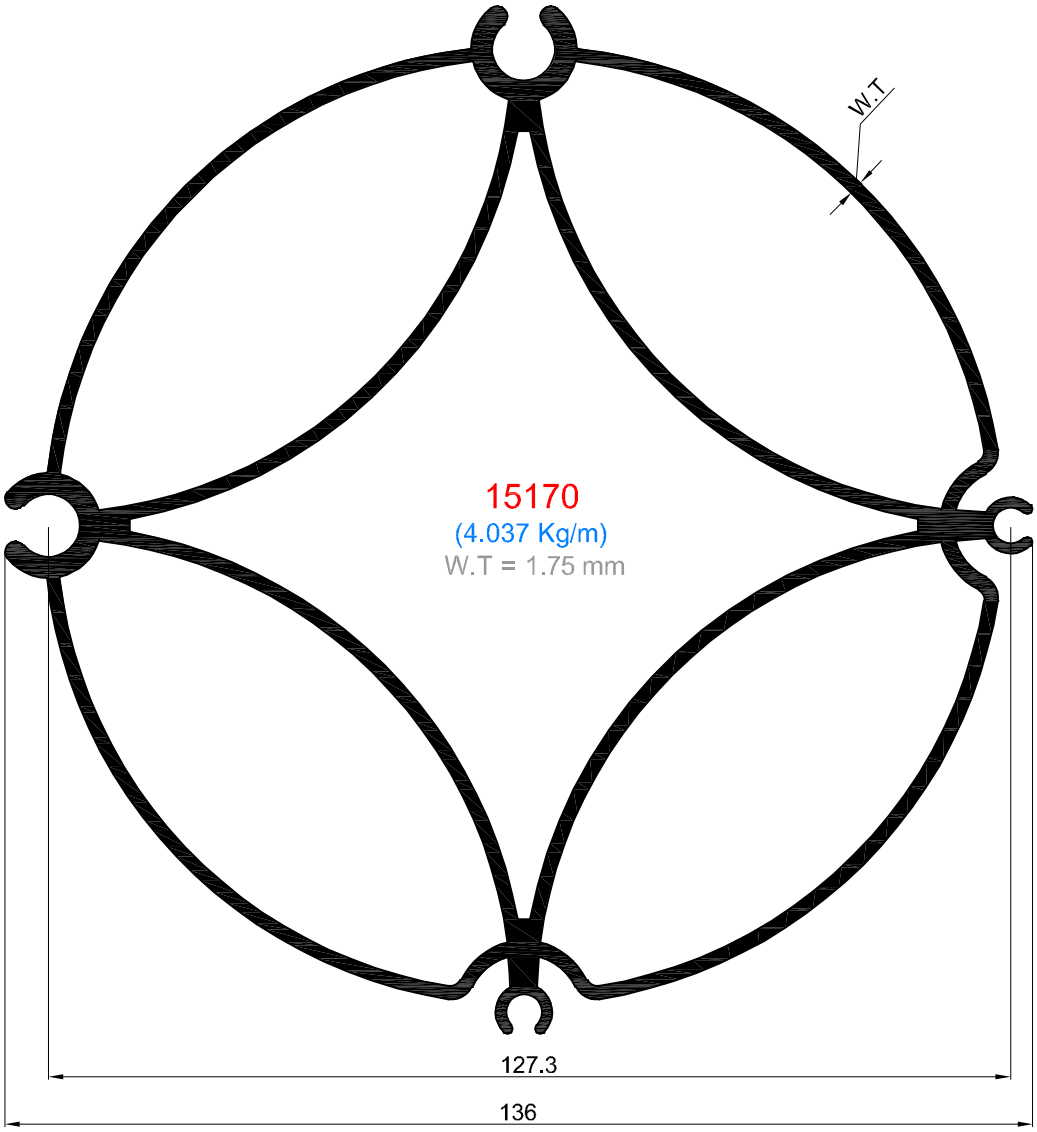


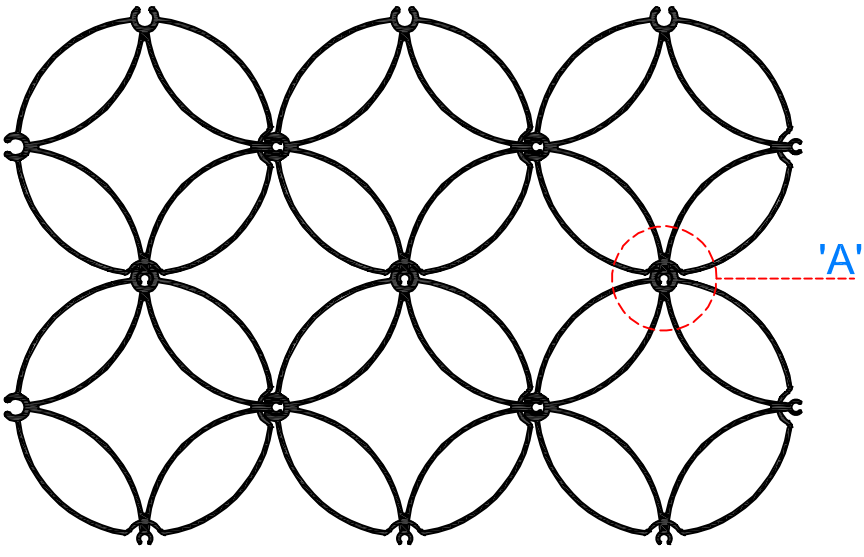
12269
(0.142 Kg/m)
W.T = 1.0 mm

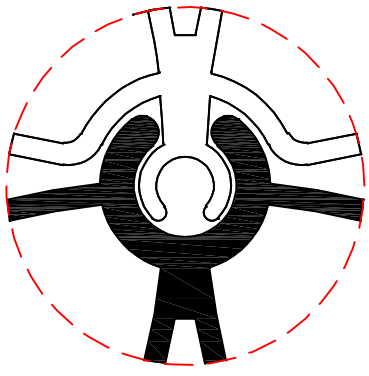
* - Subject to enquiry.

CLAUSTRA

CLAUSTRA

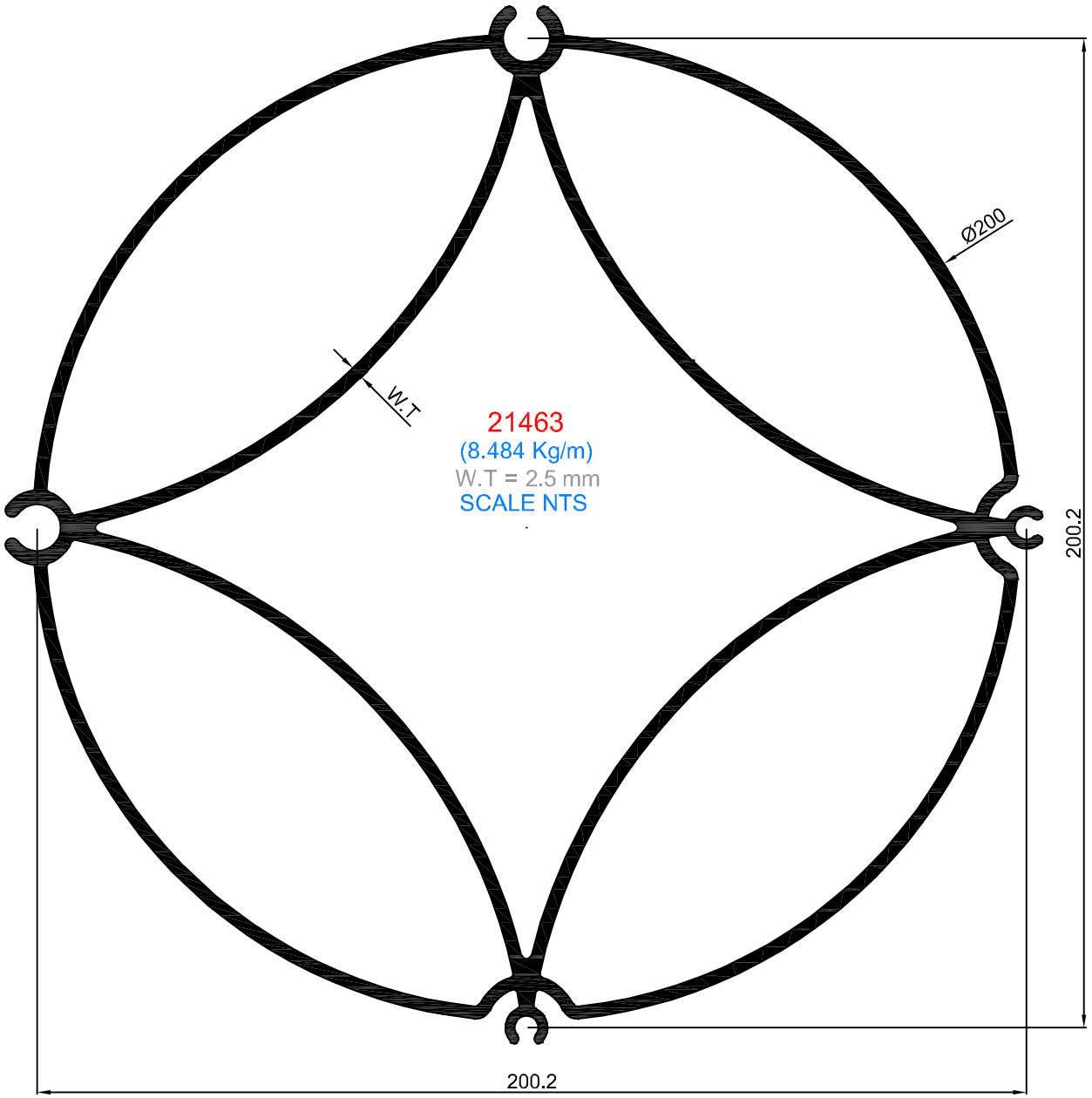


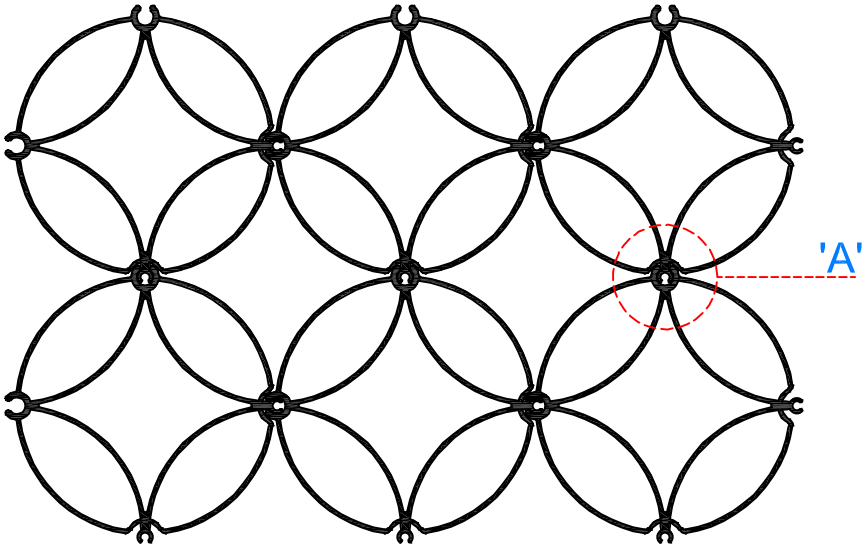


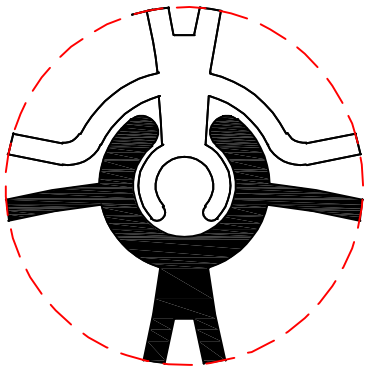


Detail 'A'

CLAUSTRA

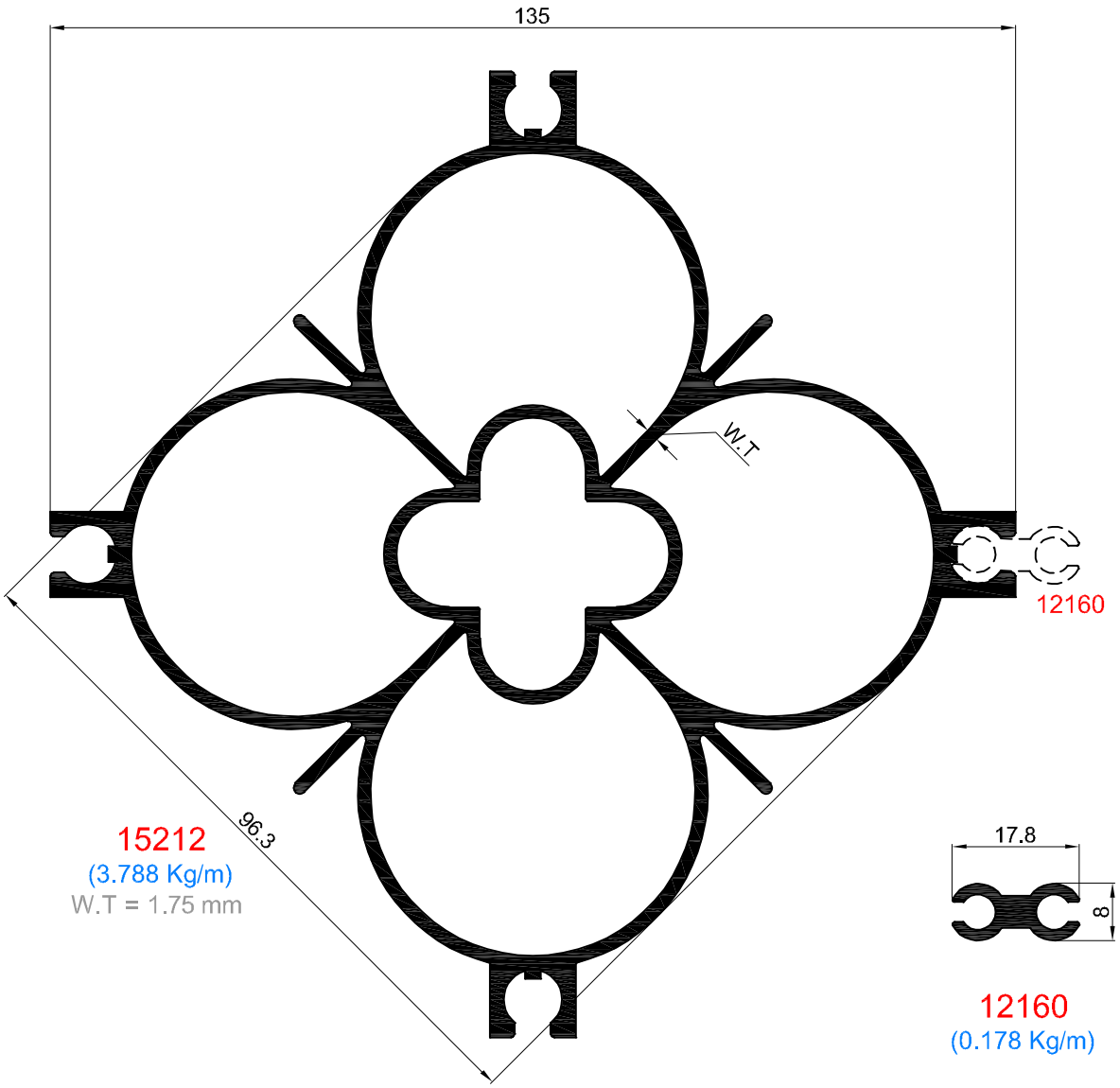


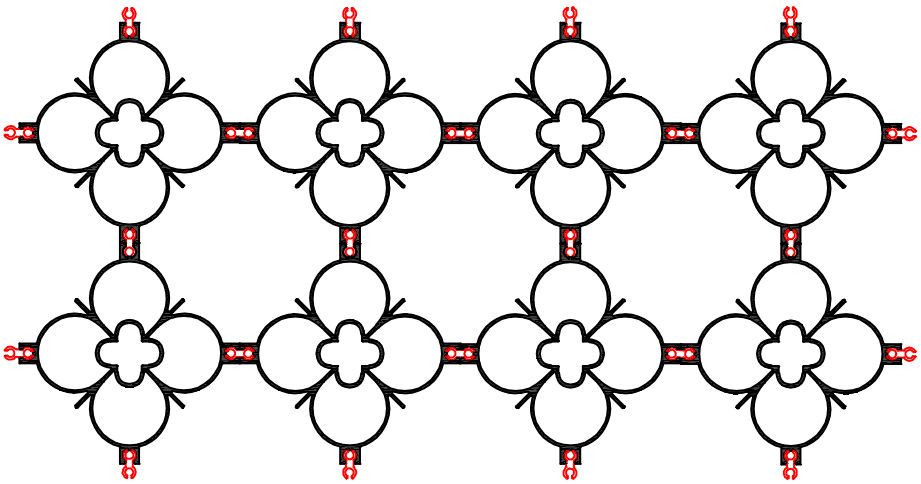




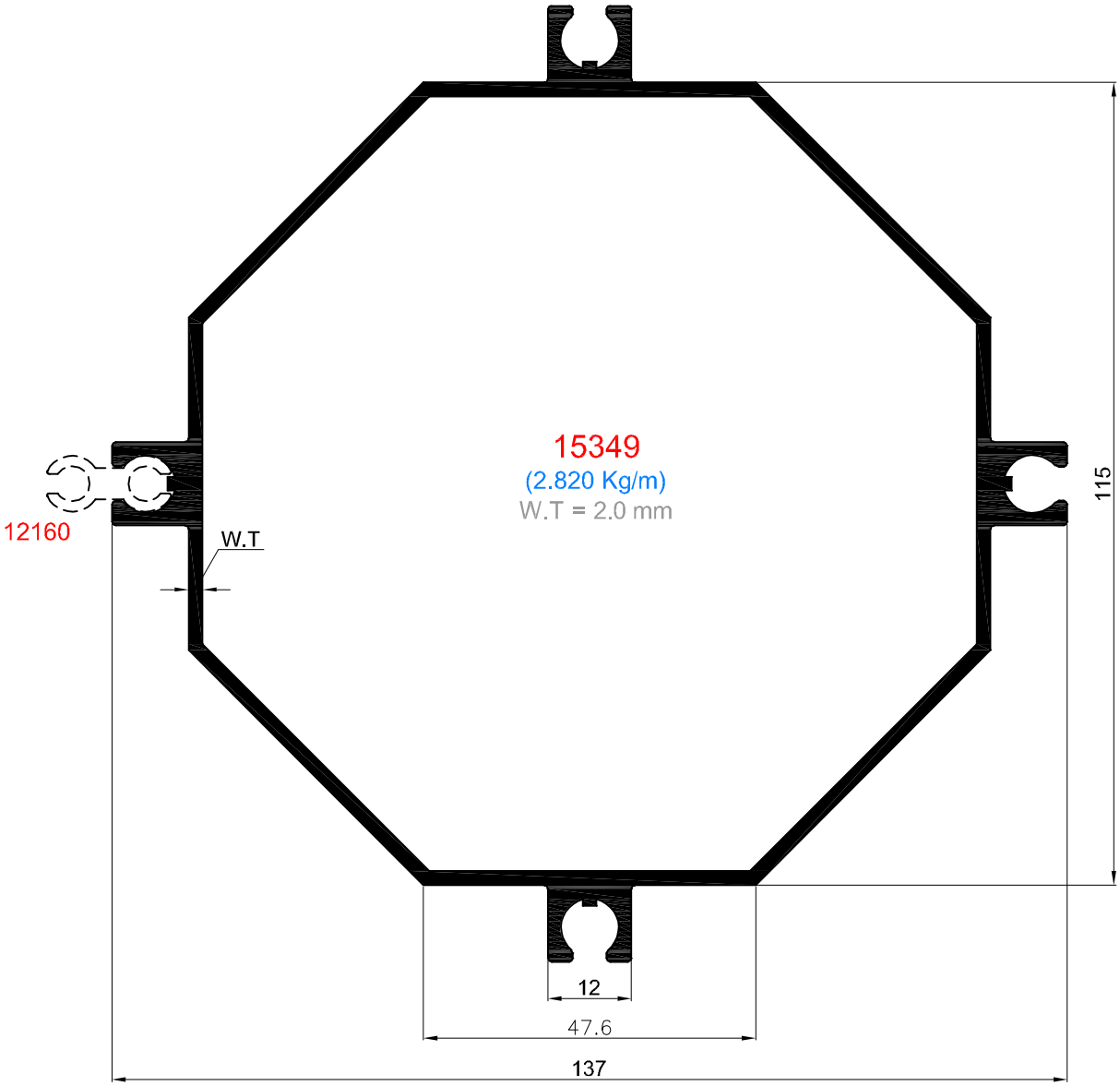
Detail 'A'

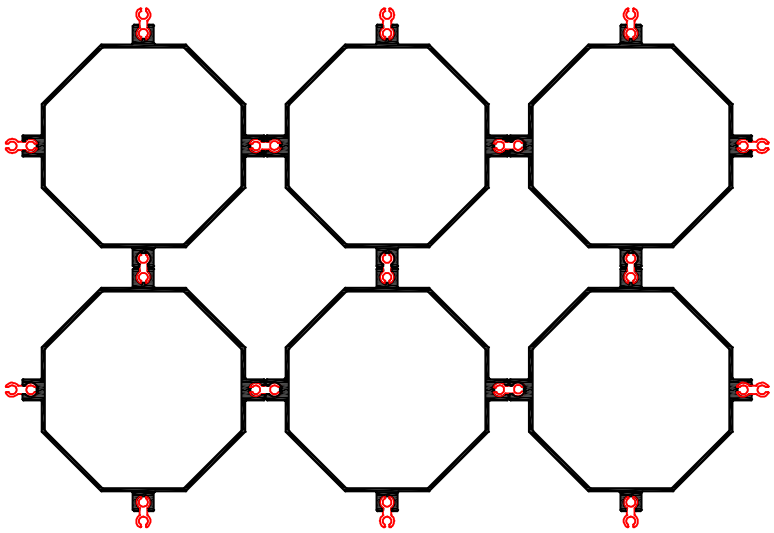
CLAUSTRA



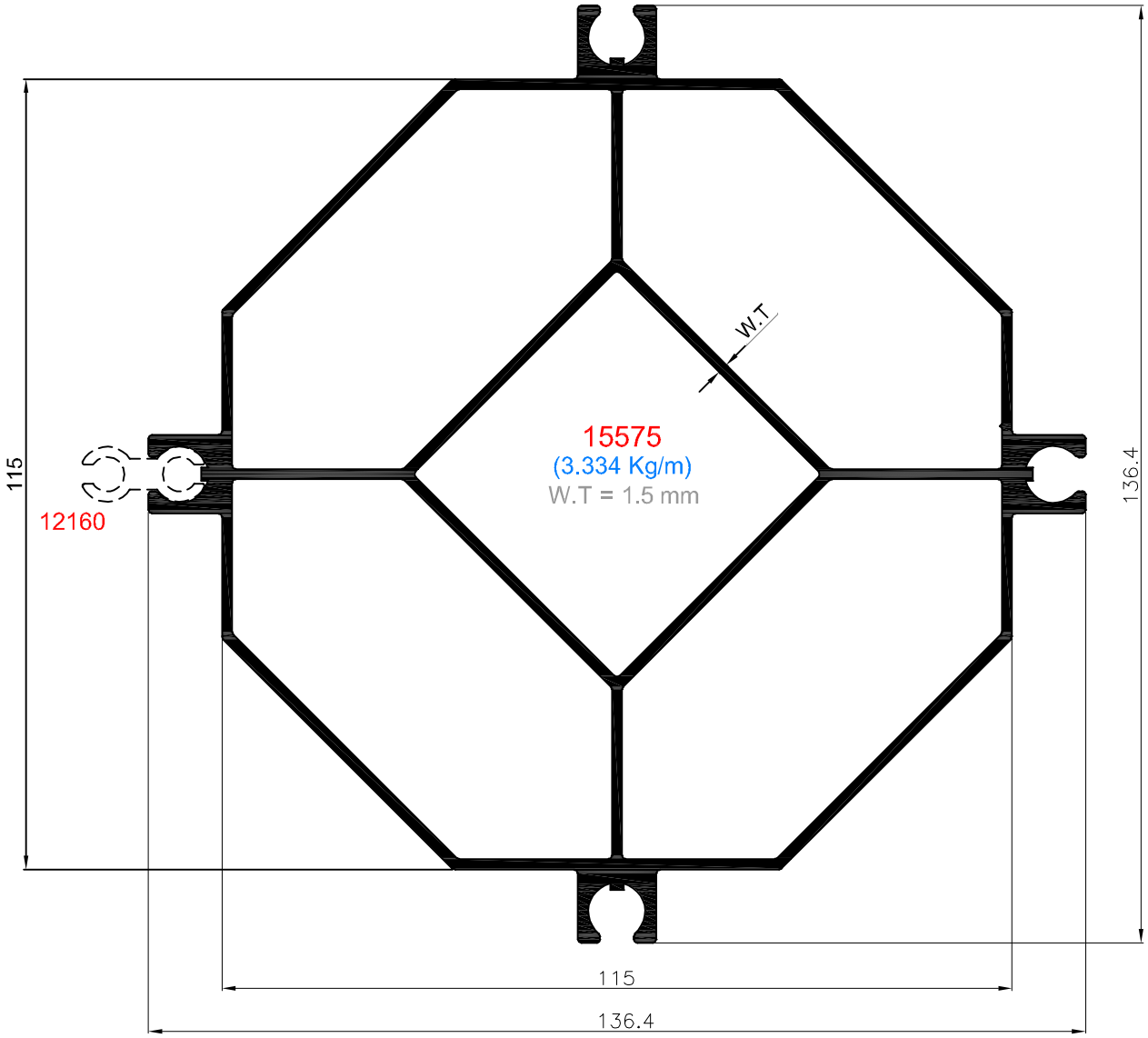


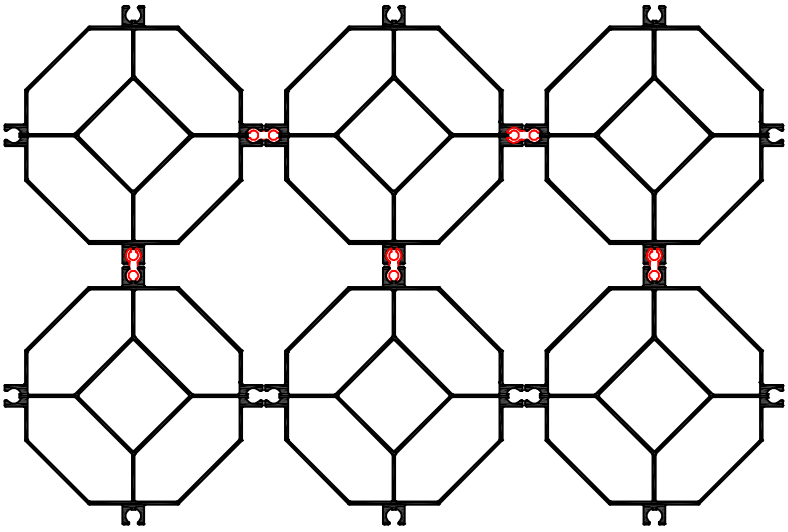
CLAUSTRA





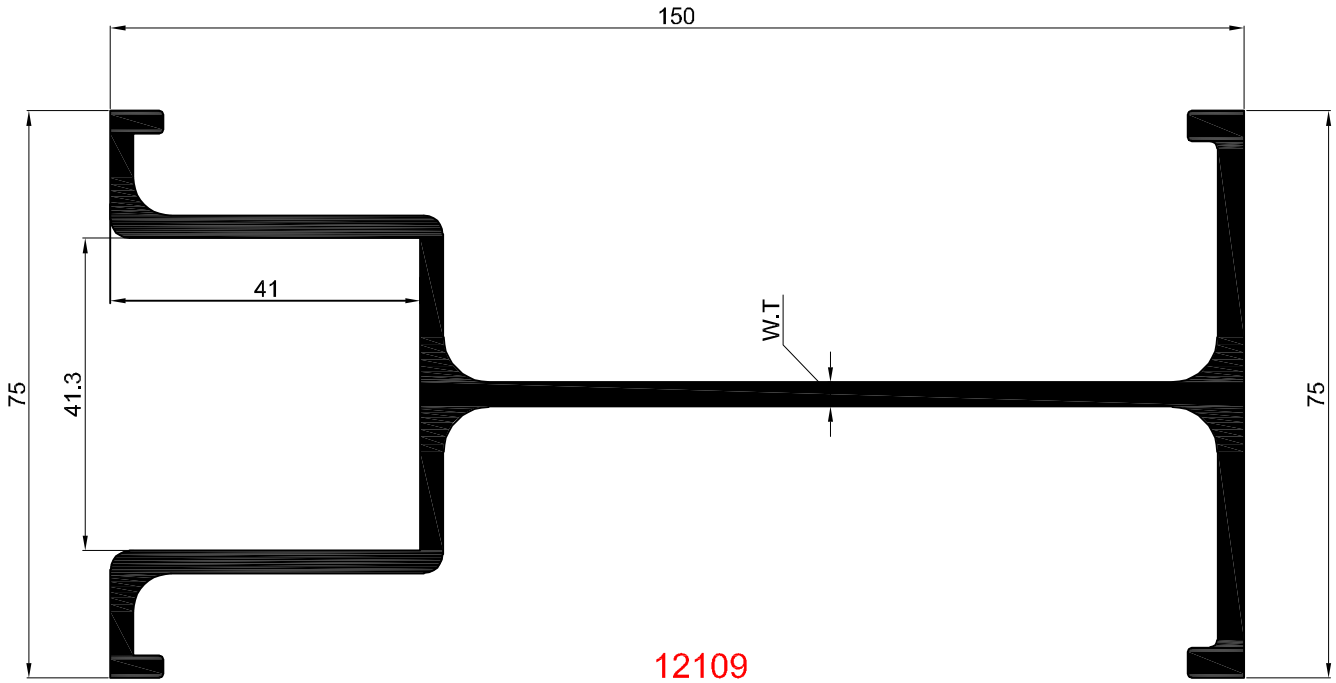
CLAUSTRA



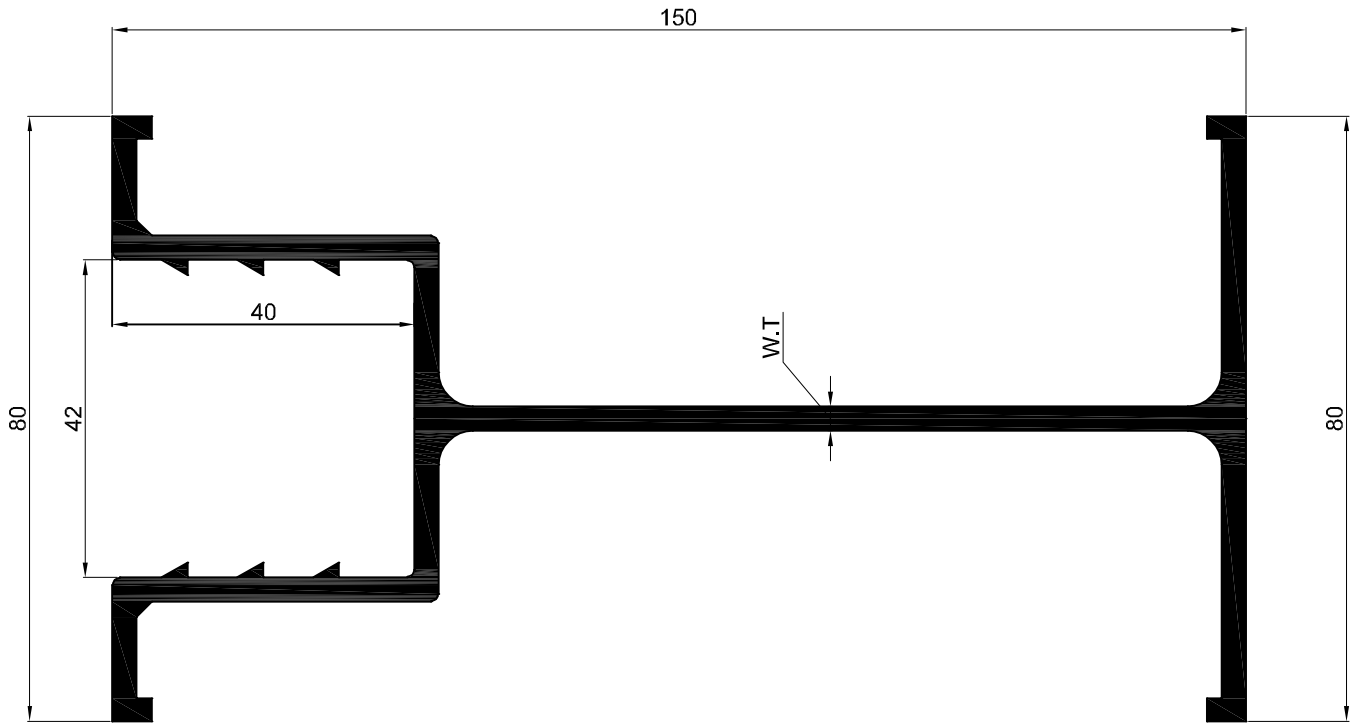


SCAFFOLDING PROFILES

SCAFFOLDING

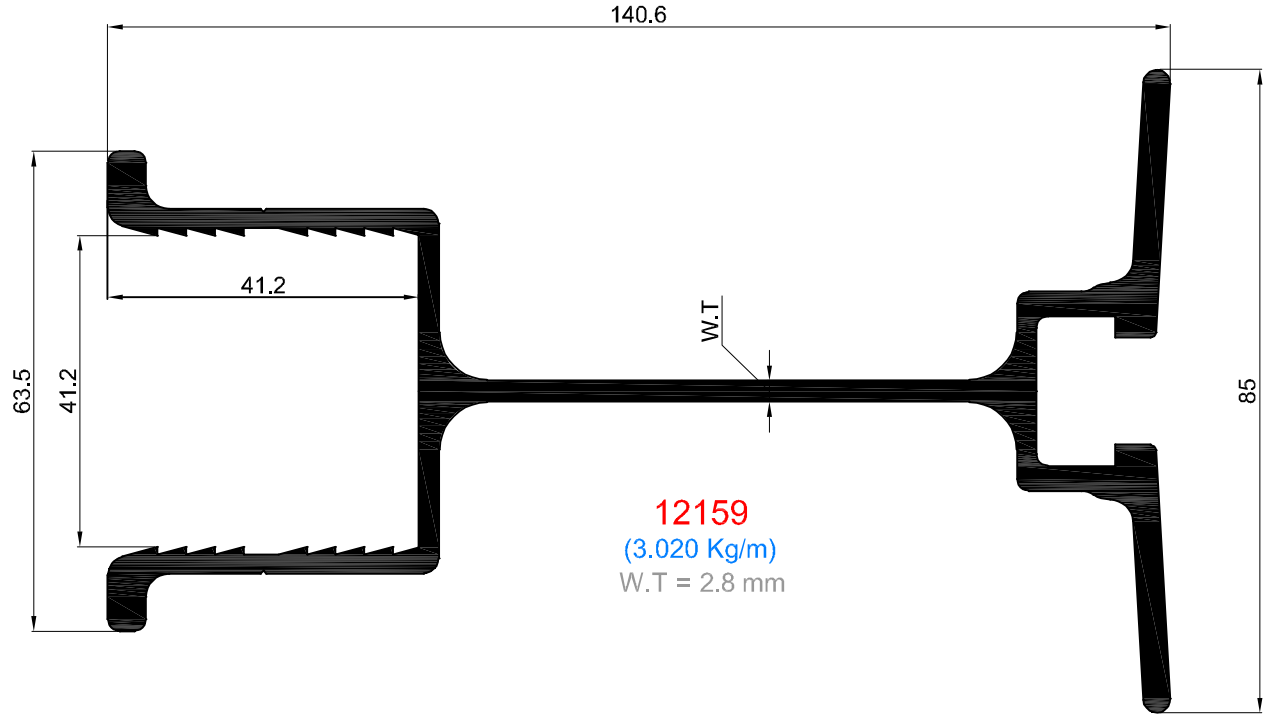


12109
(3.128 Kg/m)
W.T = 3.20 mm

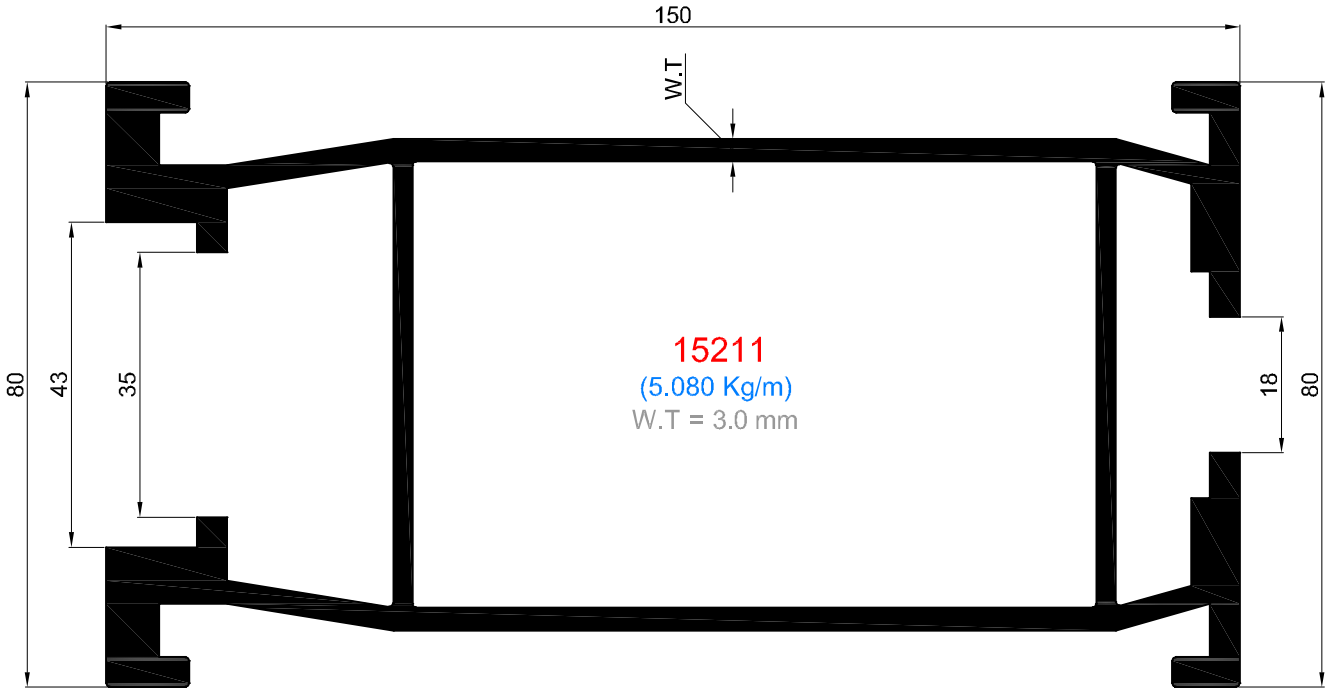


12110
(3.146 Kg/m)
W.T = 3.20 mm

SCAFFOLDING

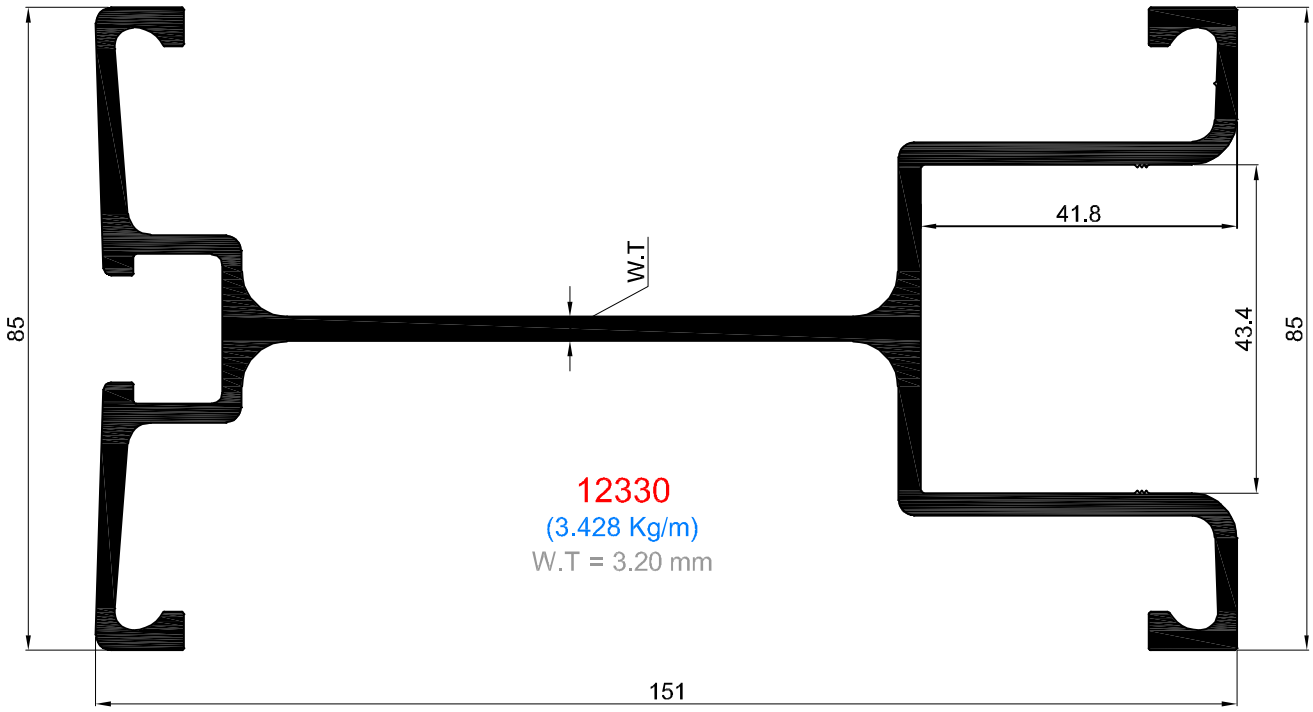


12159
(3.020 Kg/m)
W.T = 2.8 mm

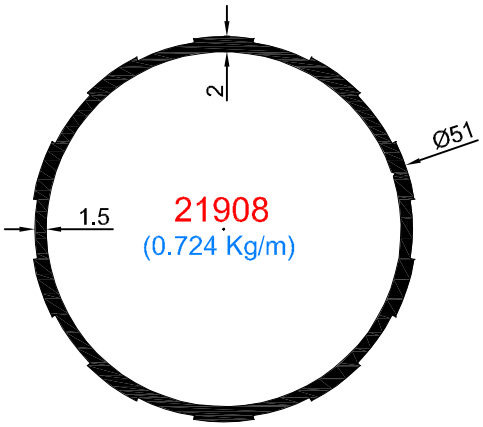


15211
(5.080 Kg/m)
W.T = 3.0 mm

SCAFFOLDING

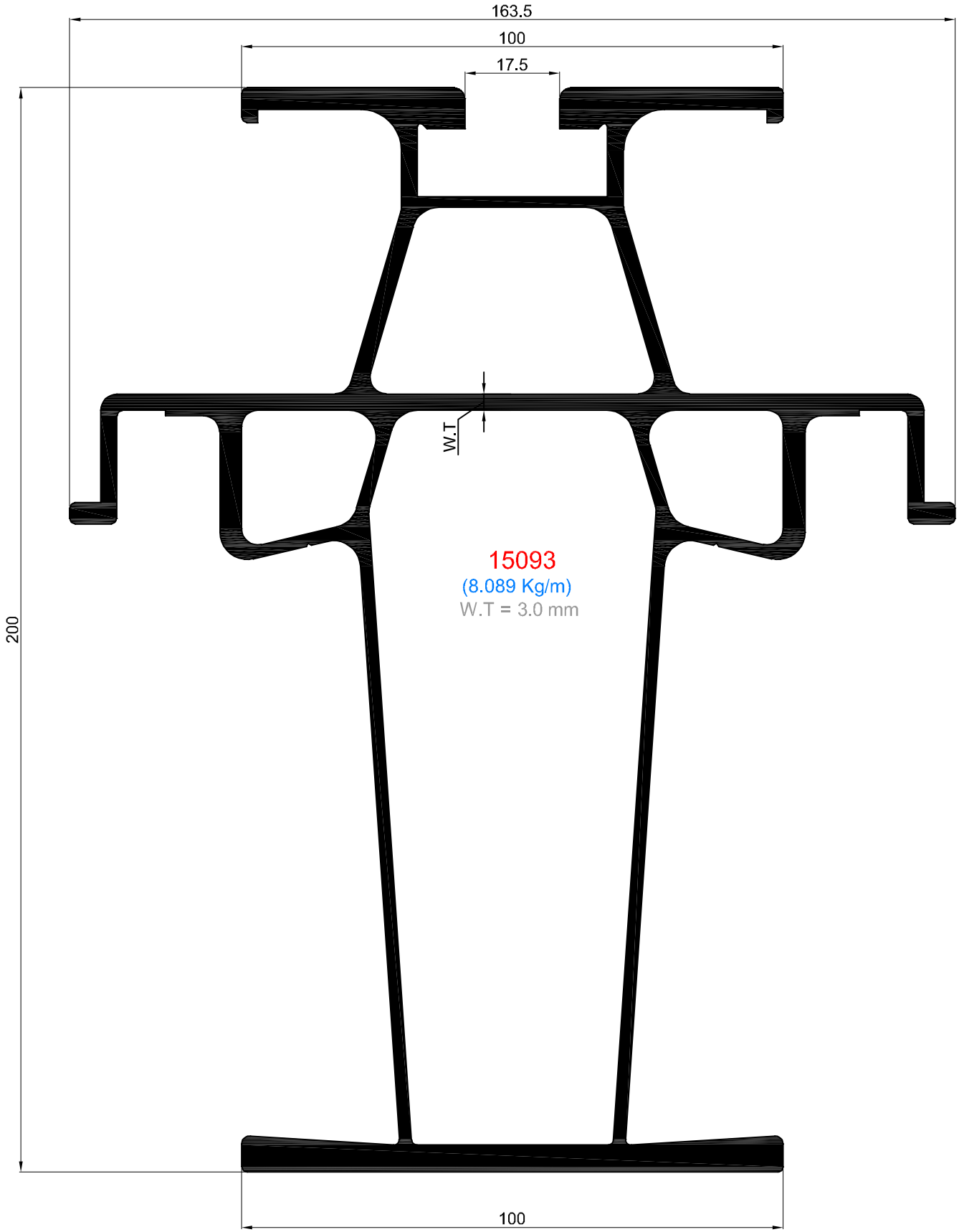


12330
(3.428 Kg/m)
W.T = 3.20 mm

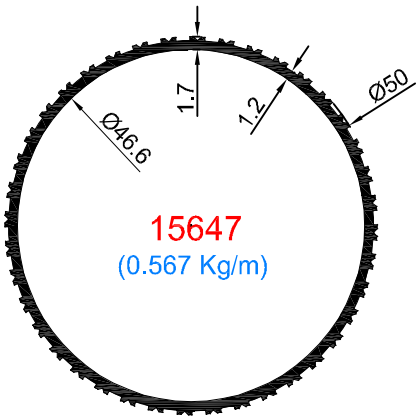


21908
(0.724 Kg/m)

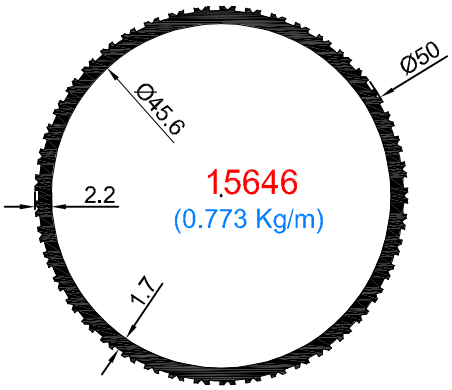
SCAFFOLDING



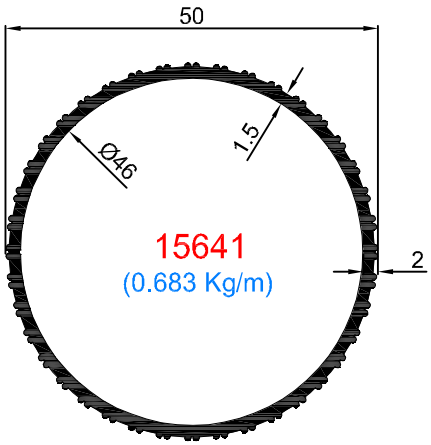
SCAFFOLDING



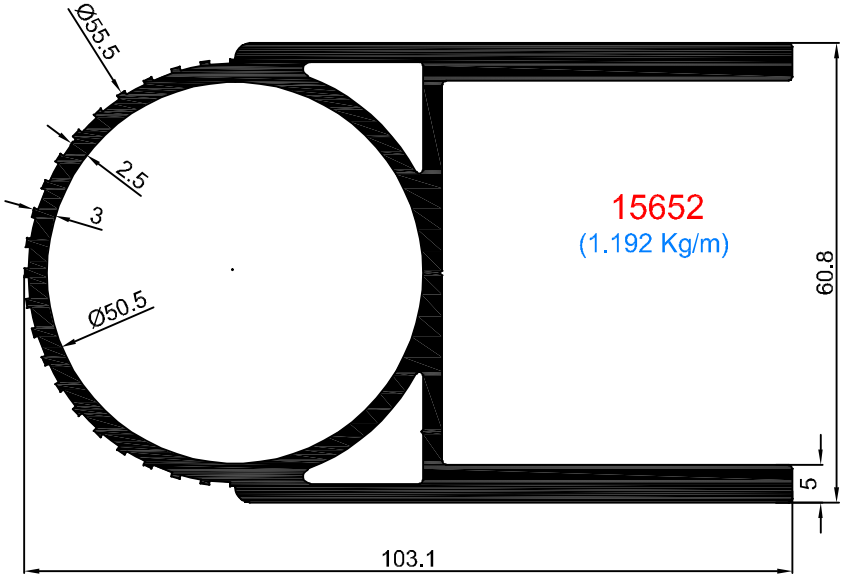
15647
(0.567 Kg/m)



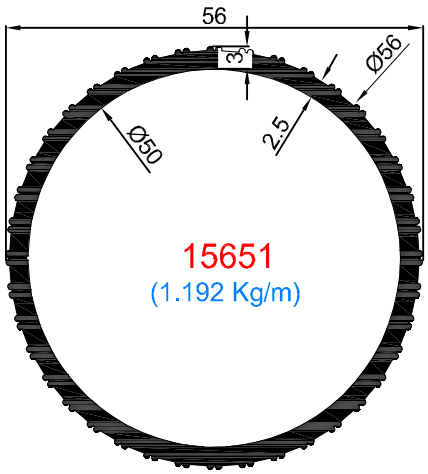
15646
(0.773 Kg/m)



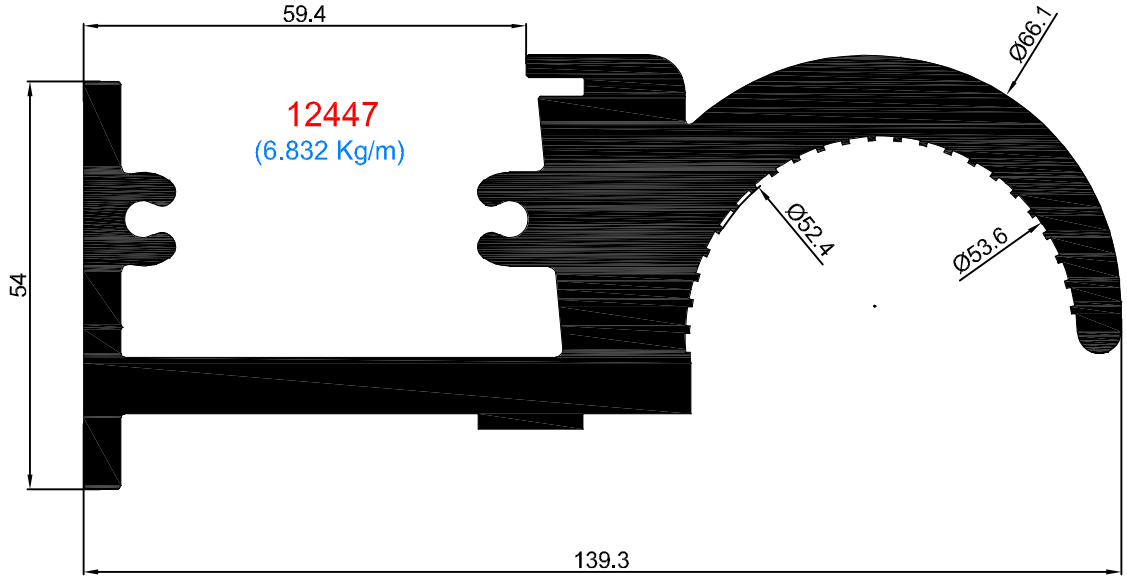
15641
(0.683 Kg/m)



15652
(1.192 Kg/m)

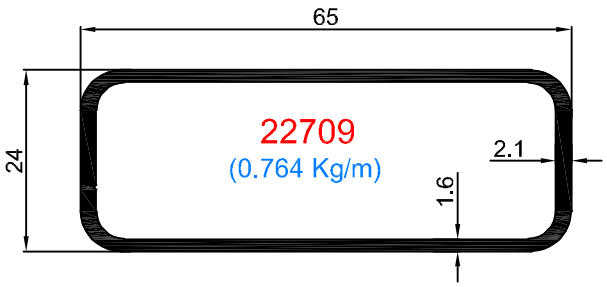


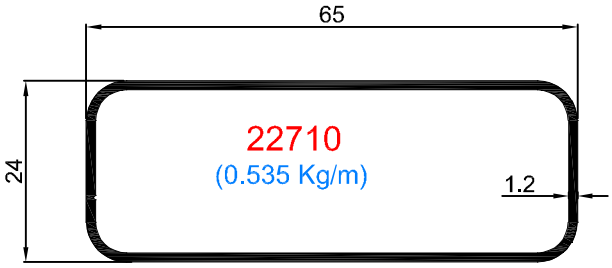
15651
(1.192 Kg/m)

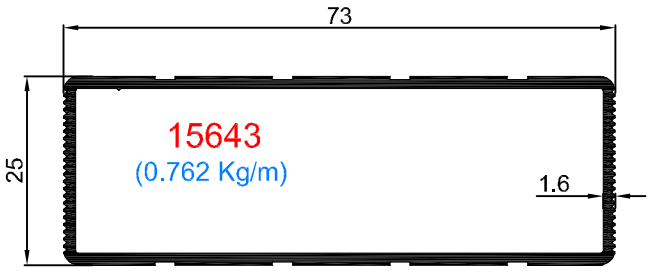


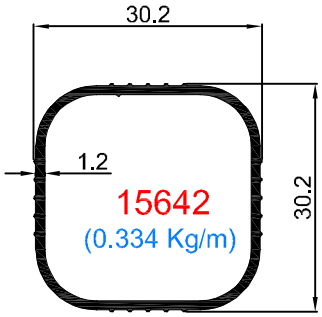
12447
(6.832 Kg/m)

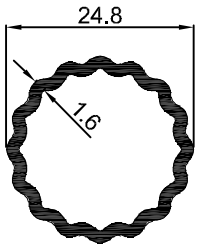
LADDER PROFILES



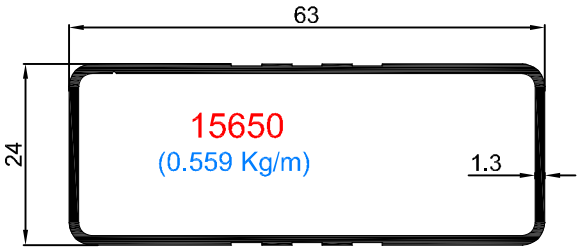


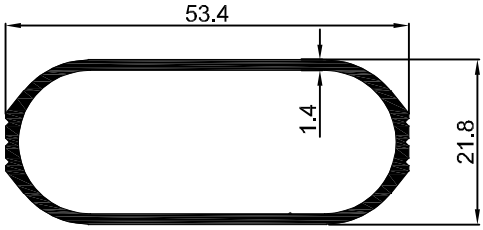




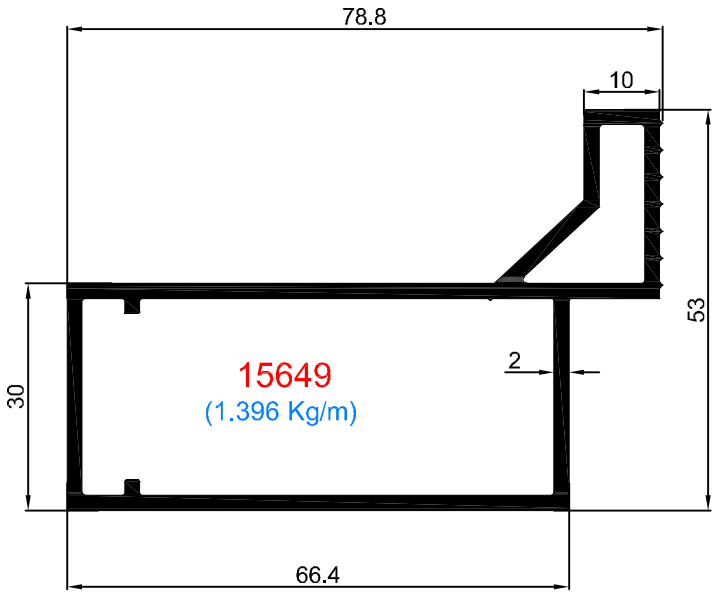


15770
(0.335 Kg/m)

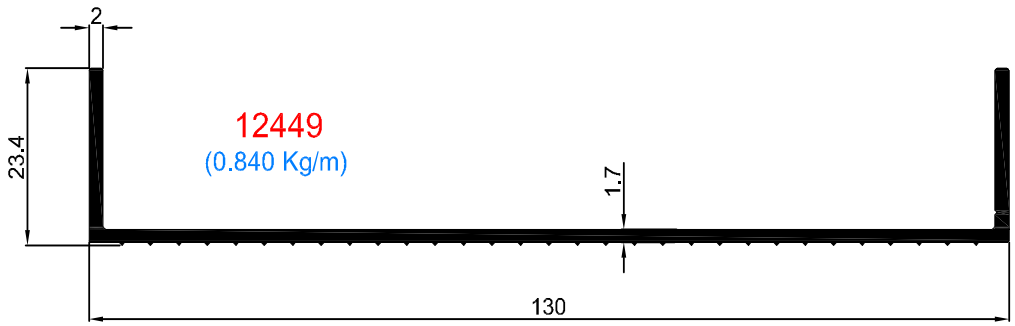




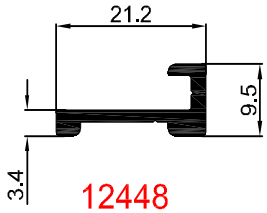
15771
(0.525 Kg/m)



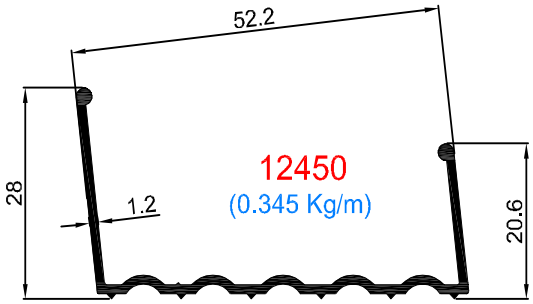
LADDER PROFILES



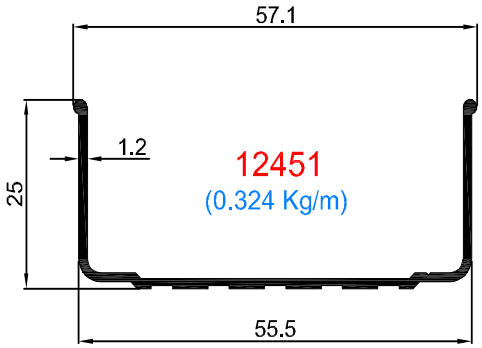
12449
(0.840 Kg/m)



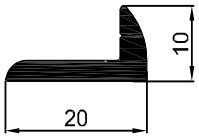
12448
(0.180 Kg/m)



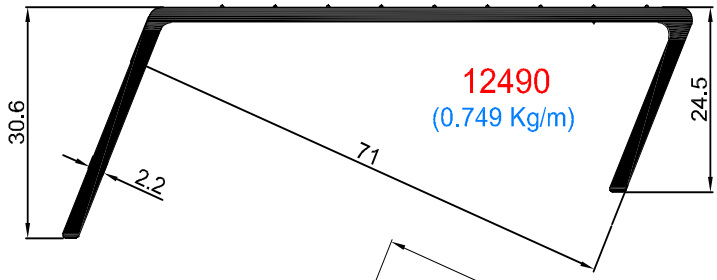
12450
(0.345 Kg/m)



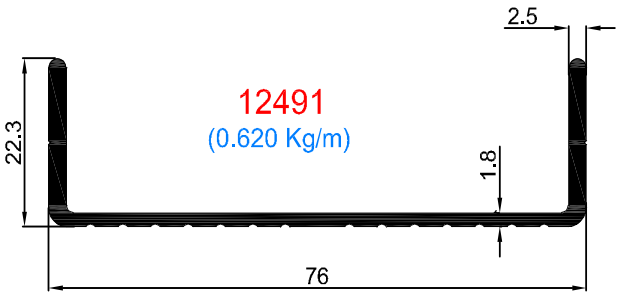
12451
(0.324 Kg/m)



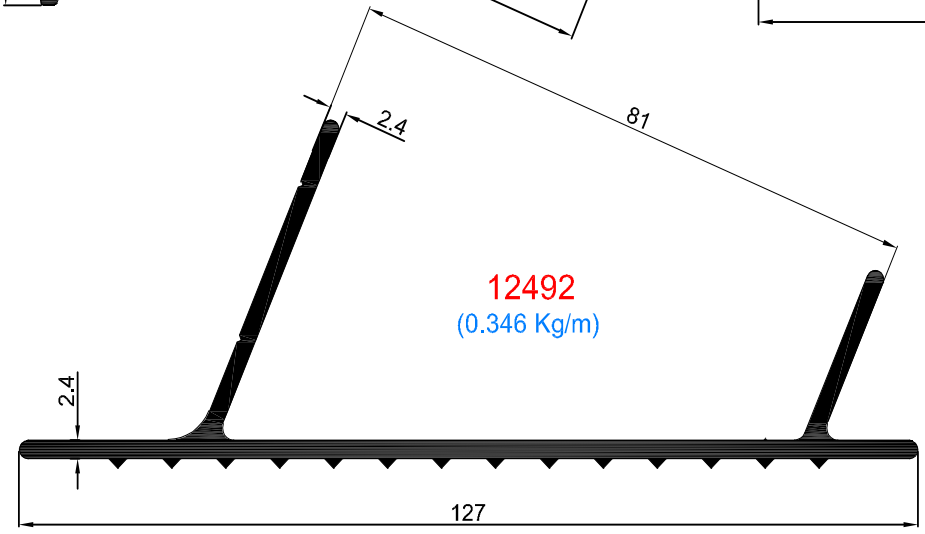
31537
(0.201 Kg/m)



12490
(0.749 Kg/m)



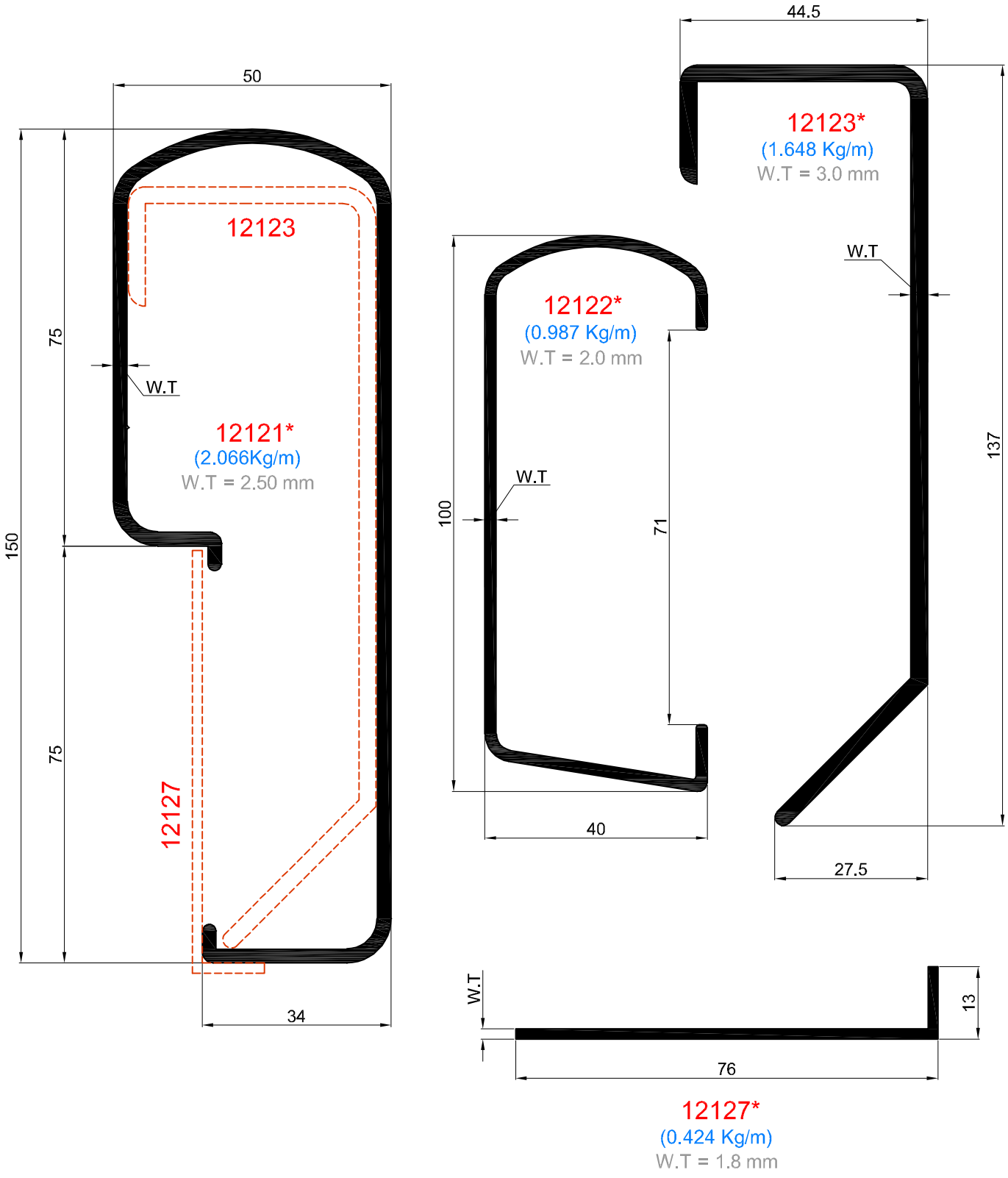
12491
(0.620 Kg/m)



12492
(0.346 Kg/m)

CAMEL RACE PROFILES

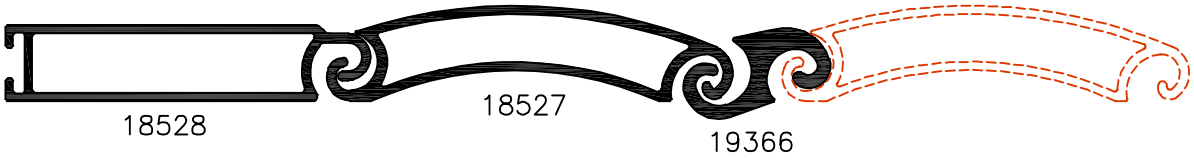
CAMEL RACE PROFILES

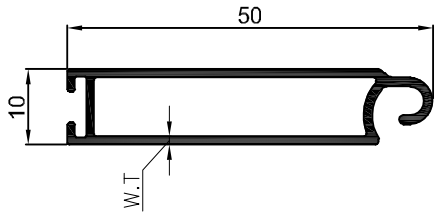


*SUBJECT TO ENQUIRY

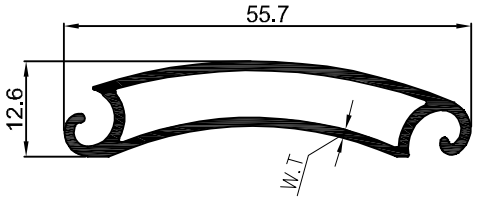
ROLLING SHUTTER

ROLLING SHUTTER

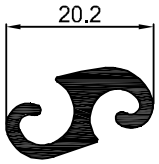




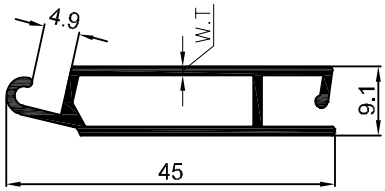
18528
(0.354 Kg/m)
W.T = 1.10 mm



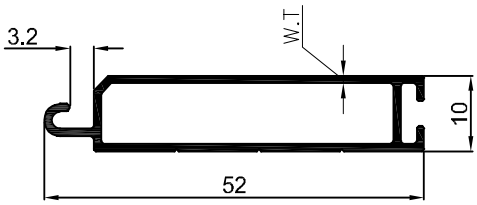
18527
(0.405 Kg/m)
W.T = 1.10 mm



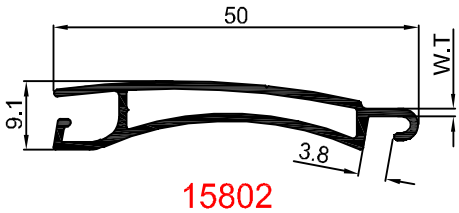
19366
(0.246 Kg/m)



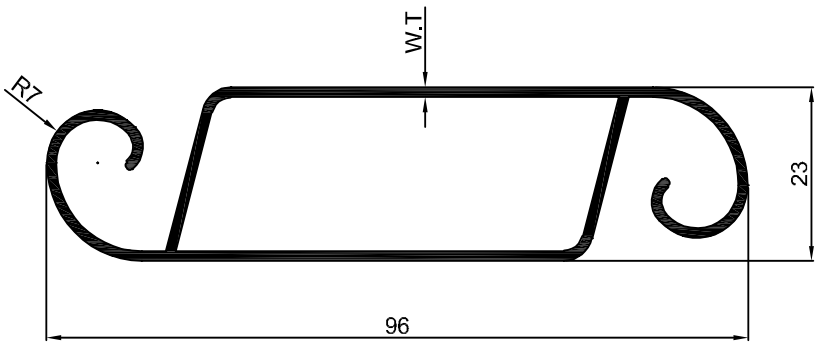
15370
(0.338 Kg/m)
W.T = 1.20 mm



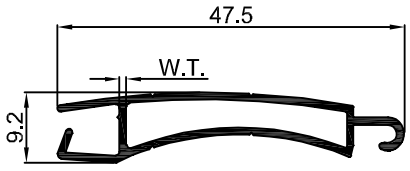
15397
(0.327 Kg/m)
W.T = 1.0 mm



15802
(0.306 Kg/m)
W.T = 1.0 mm

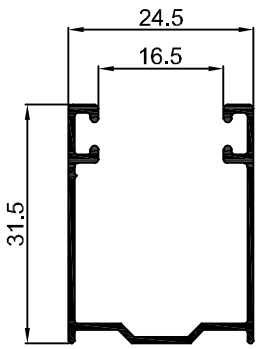


15574
(0.855 Kg/m)
W.T = 1.3 mm

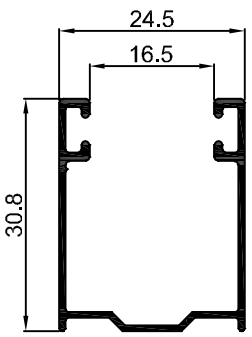


15726
(0.264 Kg/m)
W.T = 0.90 mm

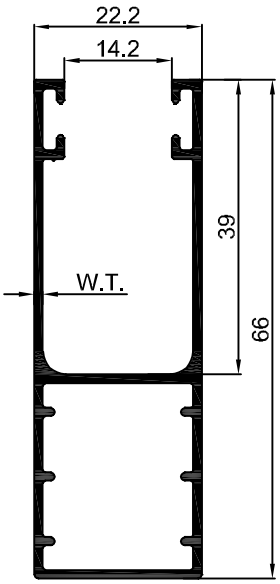
ROLLING SHUTTER



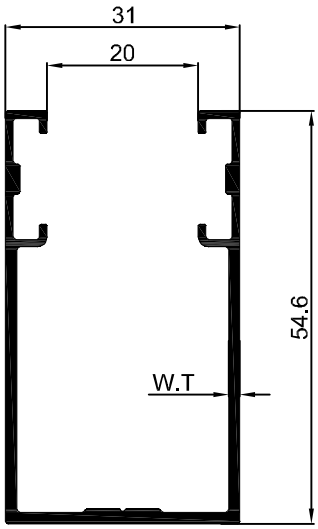
12141
(0.240 Kg/m)



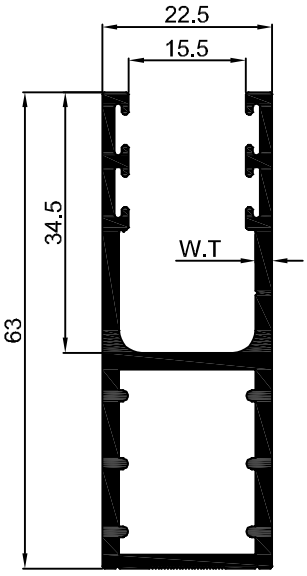
19181
(0.240 Kg/m)



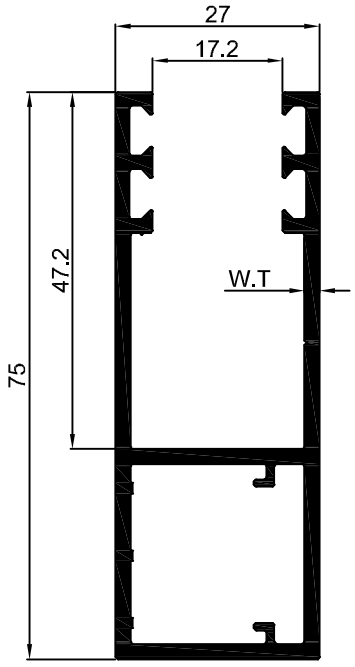
15729
(0.630 Kg/m)
W.T = 1.20 mm



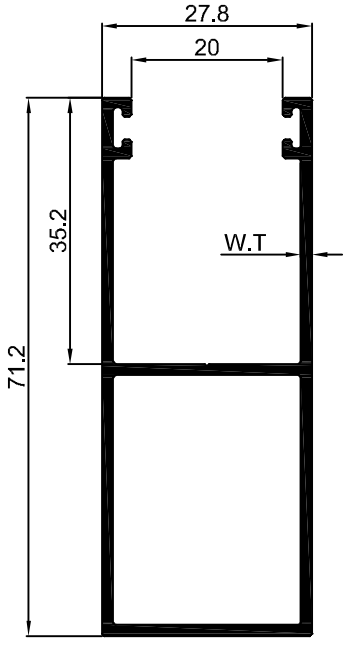
19365
(0.608 Kg/m)
W.T = 1.50 mm



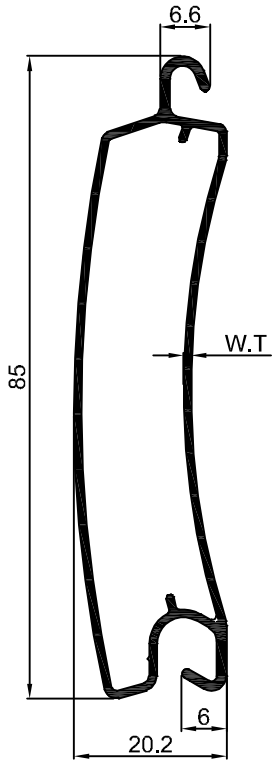
18983
(0.995 Kg/m)
W.T = 2.20 mm



18984
(1.179 Kg/m)
W.T = 2.00 mm



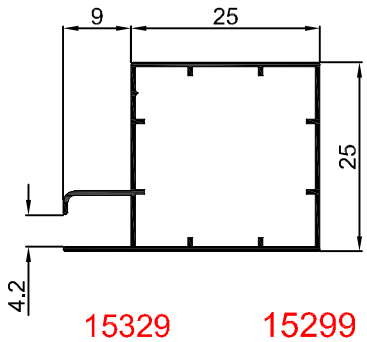
18645J
(0.827 Kg/m)
W.T = 1.50 mm



15887
(0.592 Kg/m)
W.T = 1.0 mm

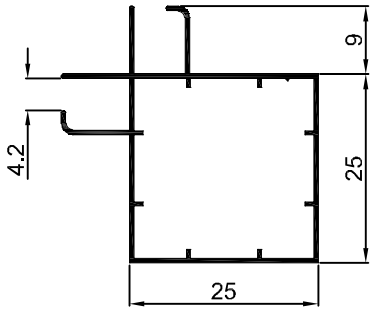
KITCHEN SECTIONS

KITCHEN SECTIONS



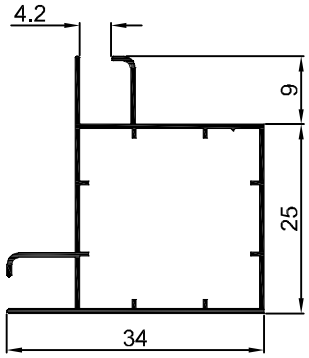
15329 (0.206 Kg/m)

15299 (0.275 Kg/m)

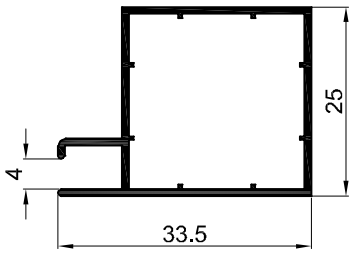


15330 (0.236 Kg/m)

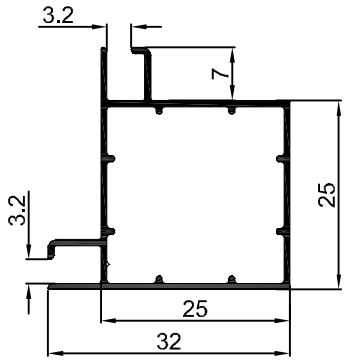
15298 (0.321 Kg/m)



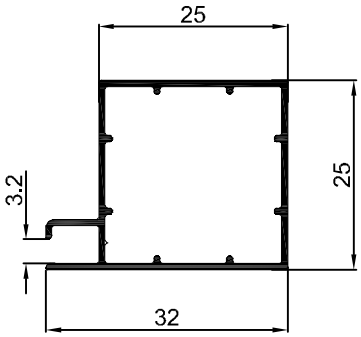
15328 (0.236 Kg/m)



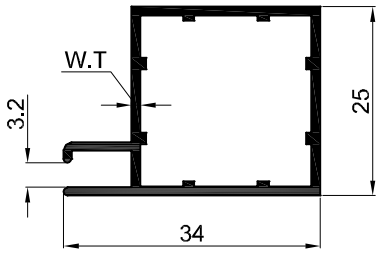
15262 (0.284 Kg/m)



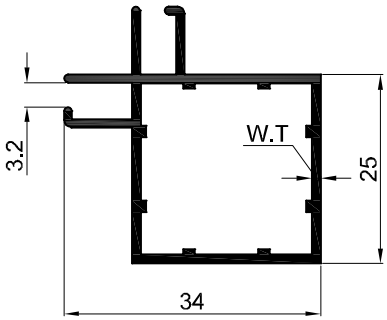
15752 (0.293 Kg/m)



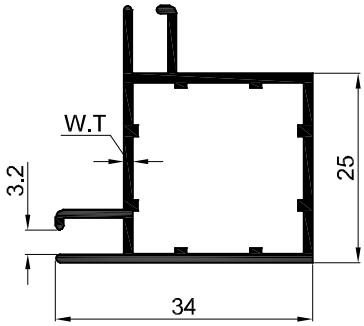
15753 (0.260 Kg/m)



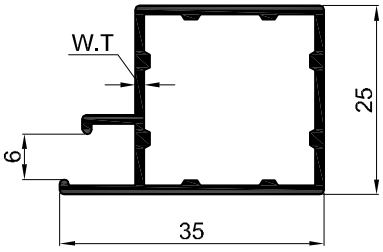
15148 (0.388 Kg/m)
W.T = 1.20 mm



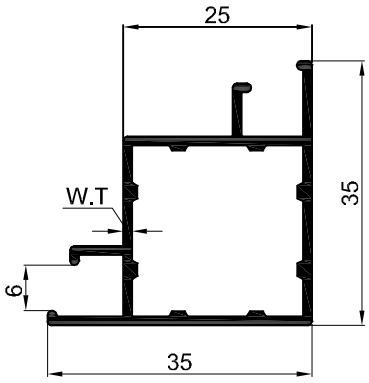
15151 (0.445 Kg/m)
W.T = 1.20 mm



15149 (0.445 Kg/m)
W.T = 1.20 mm

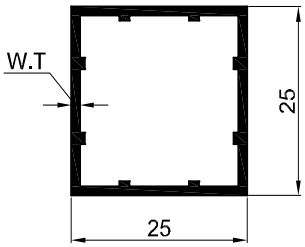


15286 (0.400 Kg/m)
W.T = 1.20 mm

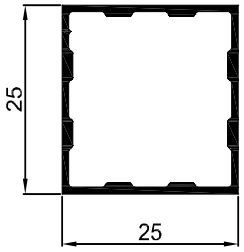


15287 (0.461 Kg/m)
W.T = 1.20 mm

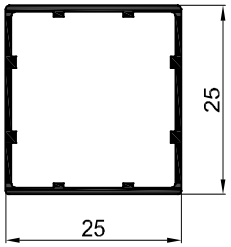
KITCHEN SECTIONS



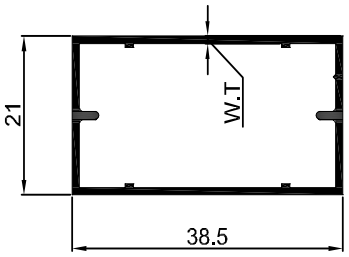
15152
(0.331 Kg/m)
W.T = 1.20 mm



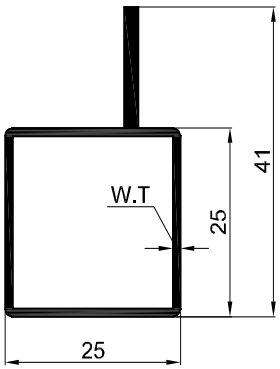
15450
(0.284 Kg/m)



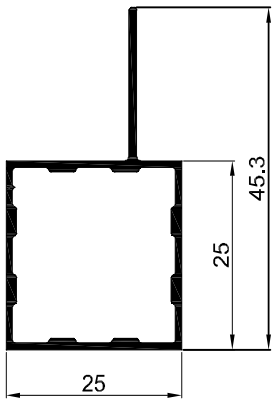
15351
(0.242 Kg/m)



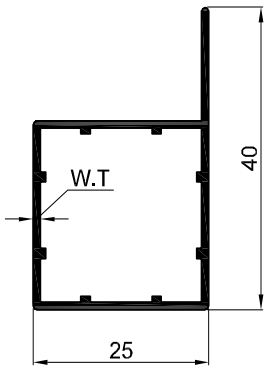
15445
(0.333 Kg/m)
W.T = 1.0 mm



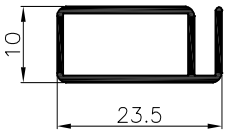
15155
(0.368 Kg/m)
W.T = 1.10 mm



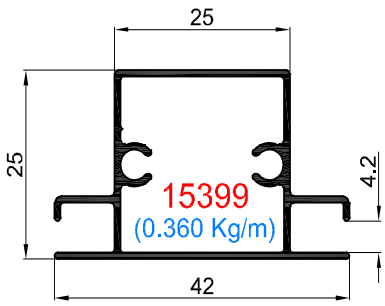
15270
(0.344 Kg/m)

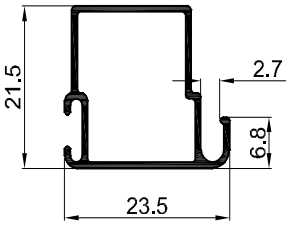


15284
(0.320 Kg/m)
W.T = 1.0 mm

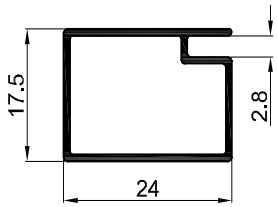


15338
(0.163 Kg/m)

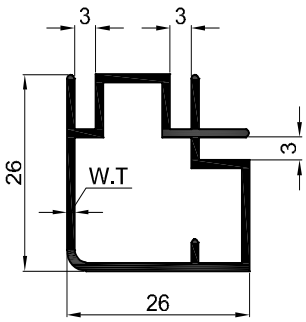




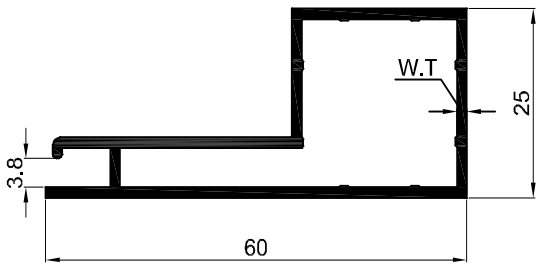
15384
(0.204 Kg/m)



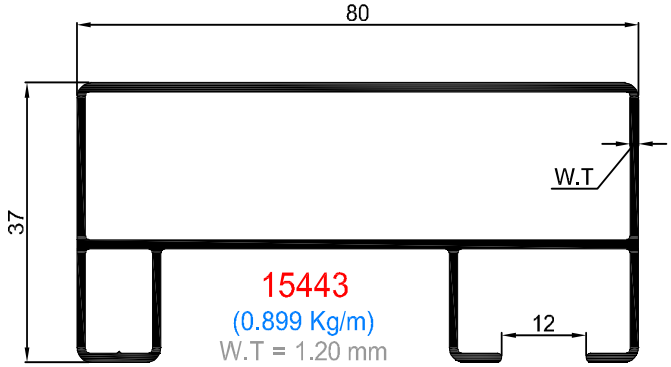
15387
(0.208 Kg/m)



15165
(0.364 Kg/m)
W.T = 1.10 mm

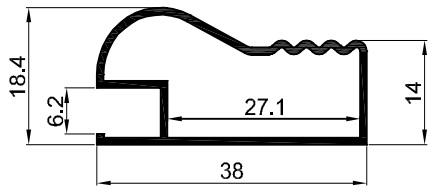


18451
(0.627 Kg/m)
W.T = 1.40 mm

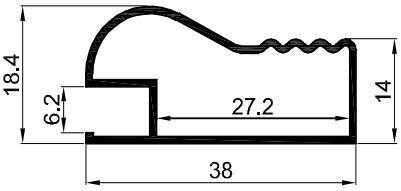


15443
(0.899 Kg/m)
W.T = 1.20 mm

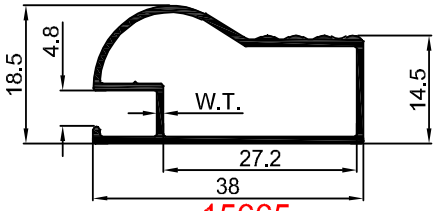
KITCHEN SECTIONS



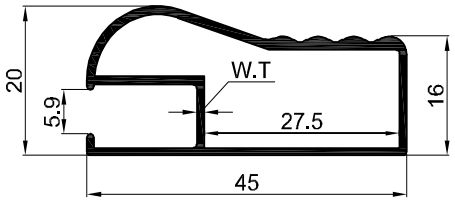
15276
(0.292 Kg/m)



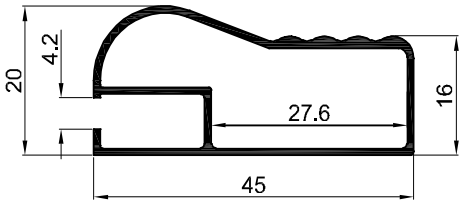
18447
(0.276 Kg/m)



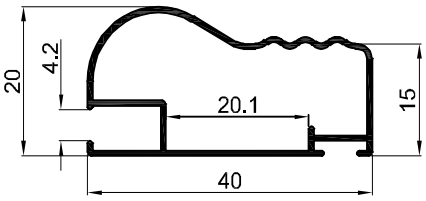
15665
(0.285 Kg/m)
W.T = 0.90 mm



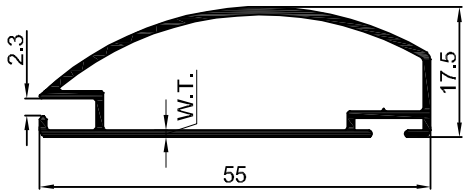
15283
(0.400 Kg/m)
W.T = 1.0 mm



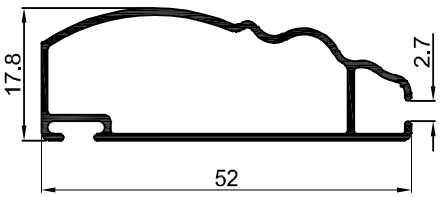
15266
(0.355 Kg/m)



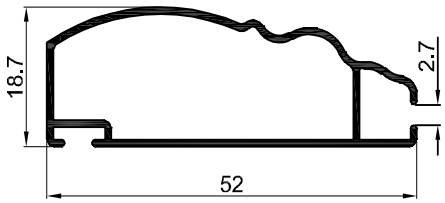
15403
(0.242 Kg/m)



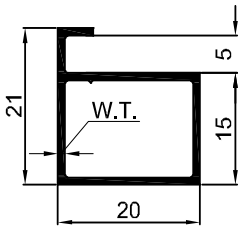
15613
(0.387 Kg/m)
W.T = 1.0 mm



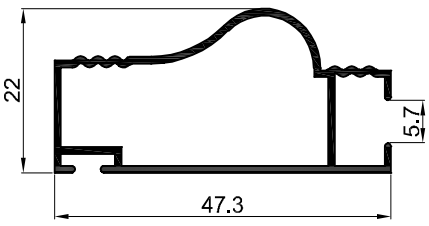
15034
(0.337 Kg/m)



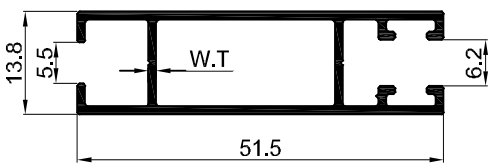
15341
(0.340 Kg/m)



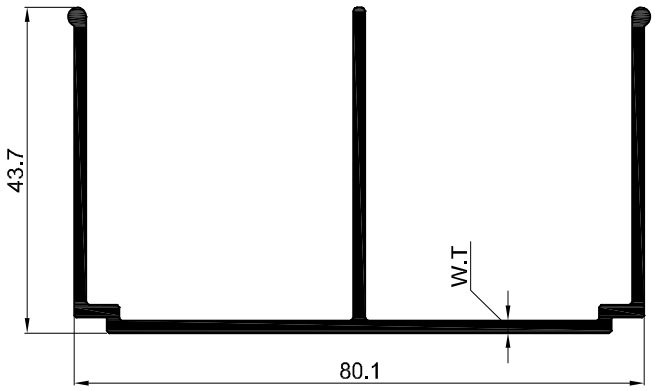
15578
(0.206 Kg/m)
W.T = 1.0 mm



15232
(0.345 Kg/m)

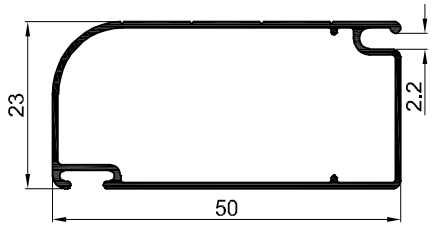


15586
(0.440 Kg/m)
W.T = 1.1 mm

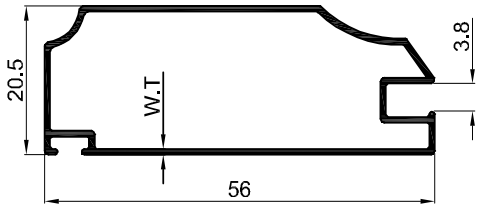


19261
(0.953 Kg/m)
W.T = 1.70 mm

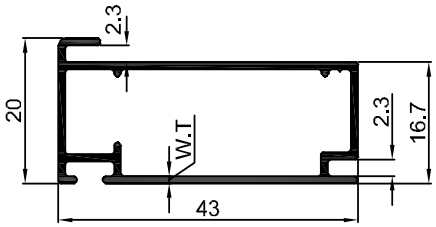
KITCHEN SECTIONS



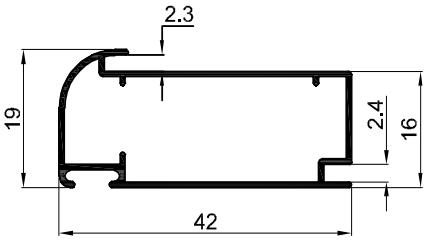
15385
(0.331 Kg/m)



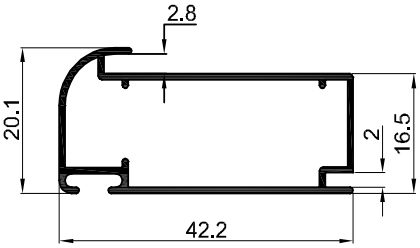
15355 (0.347 Kg/m)
15517 (0.429 Kg/m)
W.T = 1.0 mm



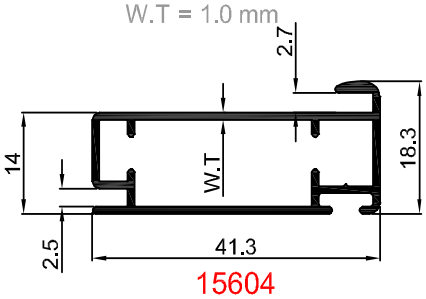
15026
(0.372 Kg/m)
W.T = 1.0 mm



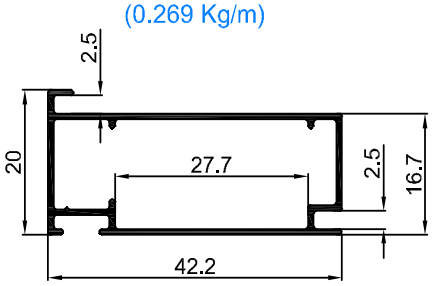
15331
(0.269 Kg/m)



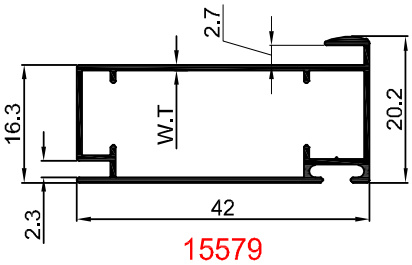
15404
(0.305 Kg/m)



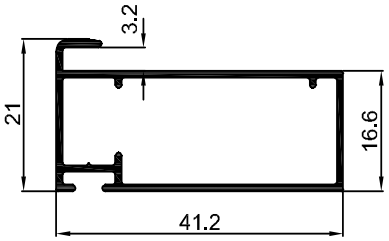
15604
(0.371 Kg/m)
W.T = 1.0 mm



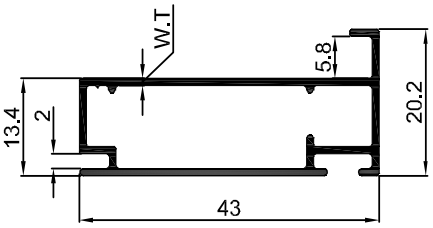
15718
(0.290 Kg/m)



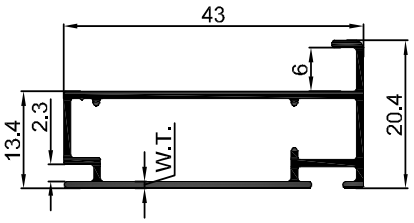
15579
(0.292 Kg/m)
W.T = 0.75 mm



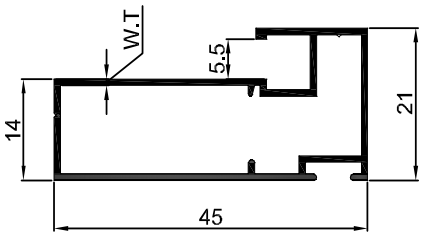
18237
(0.326 Kg/m)



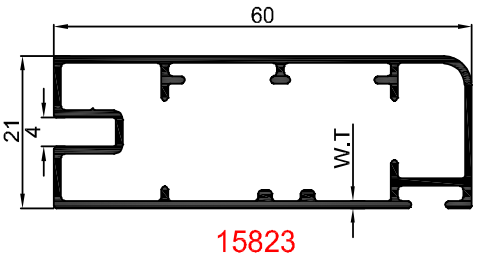
15436
(0.361 Kg/m)
W.T = 1.0 mm



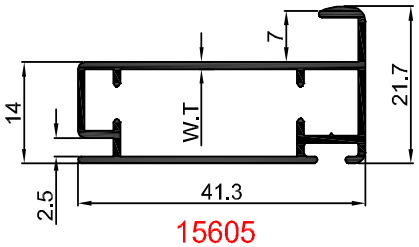
15401
(0.362 Kg/m)
W.T = 1.0 mm



15390
(0.361 Kg/m)
W.T = 0.90 mm

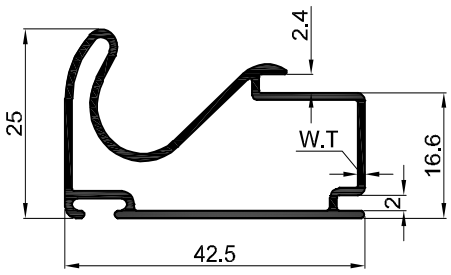


15823
(0.575 Kg/m)
W.T = 1.0 mm

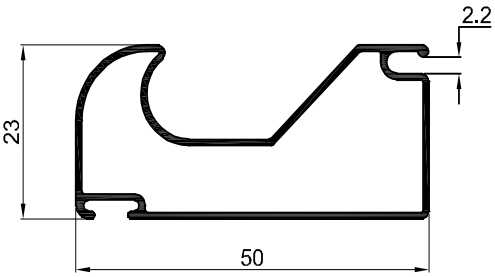


15605
(0.381 Kg/m)
W.T = 1.0 mm

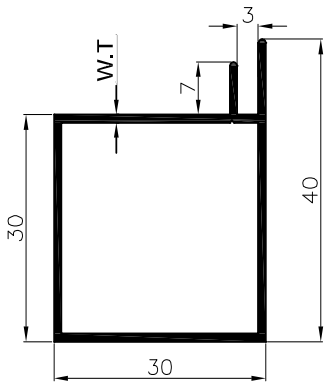
KITCHEN SECTIONS



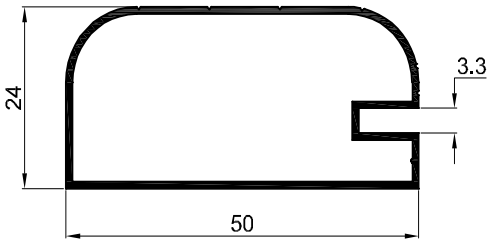
15386
(0.424 Kg/m)
W.T = 1.0 mm



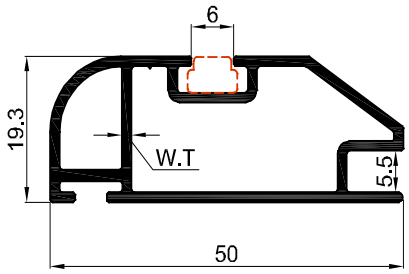
15383
(0.366 Kg/m)



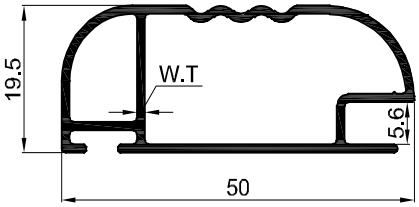
15582
(0.375 Kg/m)
W.T = 1.05 mm



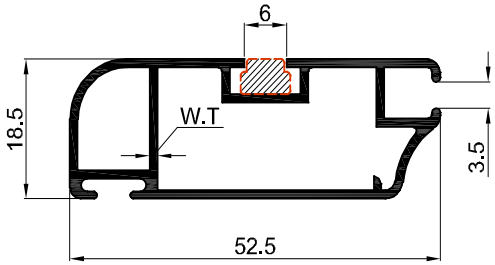
18425
(0.371 Kg/m)



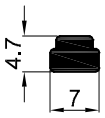
15428
(0.584 Kg/m)
W.T = 1.30 mm



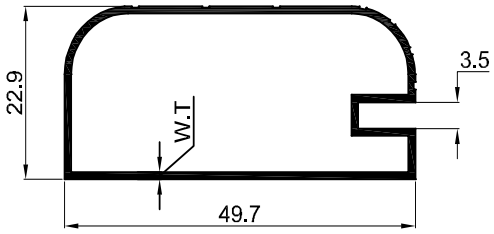
15414
(0.469 Kg/m)
W.T = 1.10 mm



15273
(0.530 Kg/m)
W.T = 1.10 mm

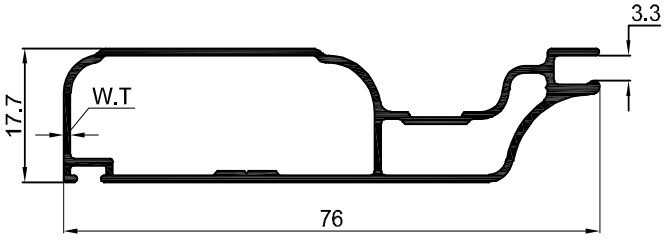


12215

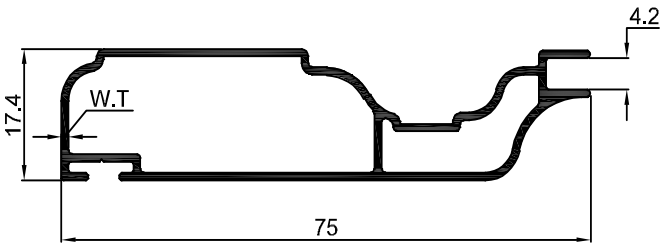


15277
(0.384 Kg/m)
W.T = 1.0 mm

18446
(0.362 Kg/m)

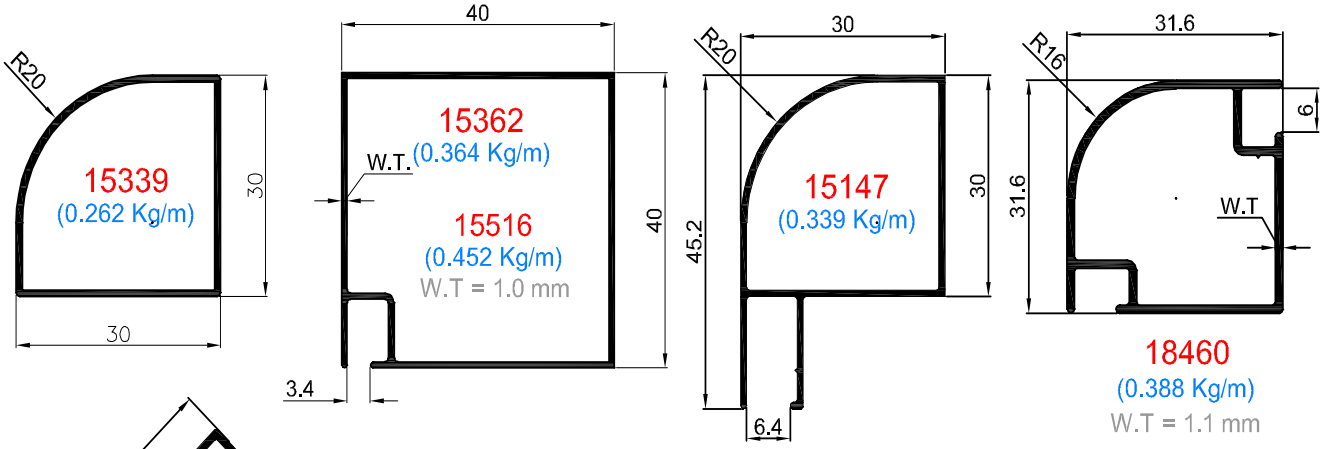


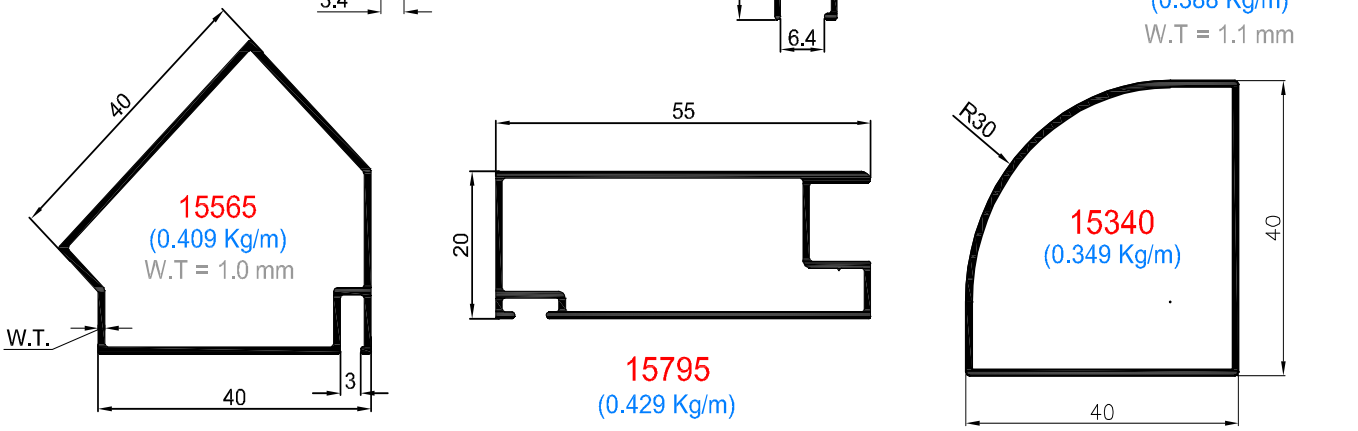
15411
(0.533 Kg/m)
W.T = 0.95 mm

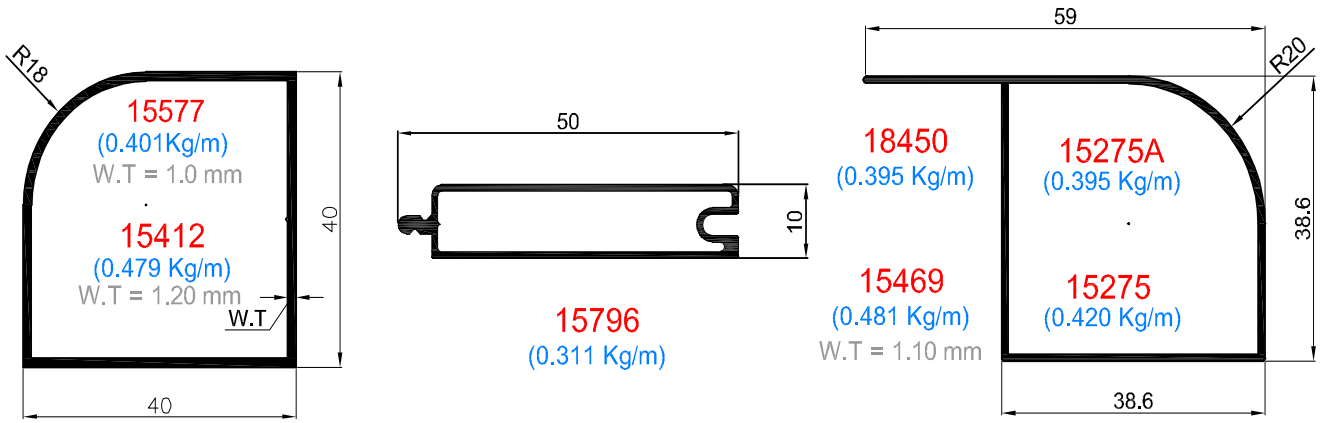


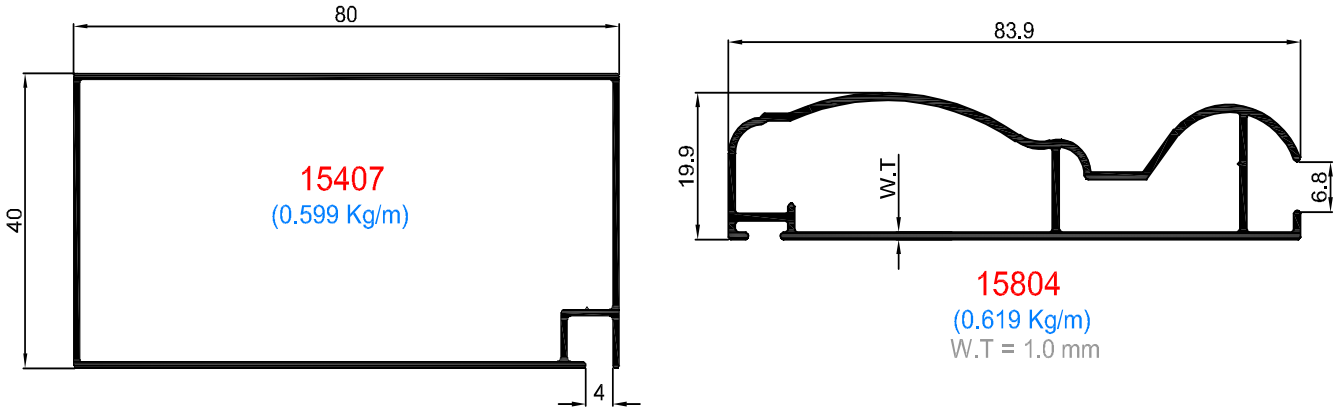
15441
(0.541 Kg/m)
W.T = 1.0 mm

KITCHEN SECTIONS

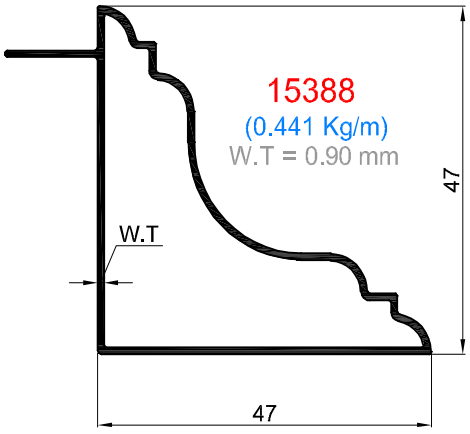




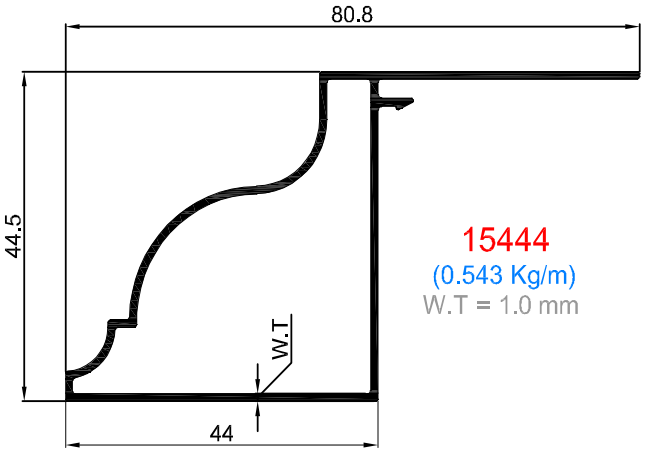




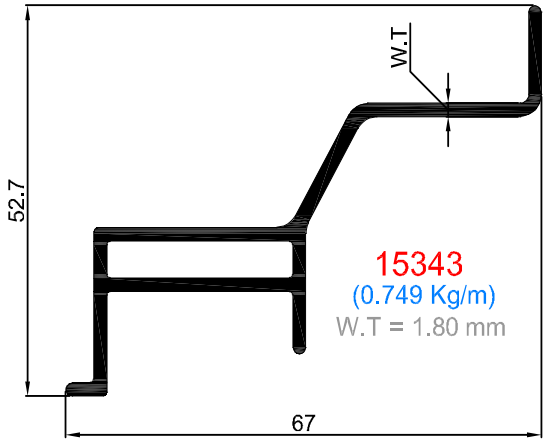
KITCHEN SECTIONS



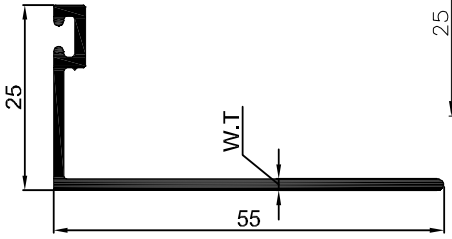
15388
(0.441 Kg/m)
W.T = 0.90 mm



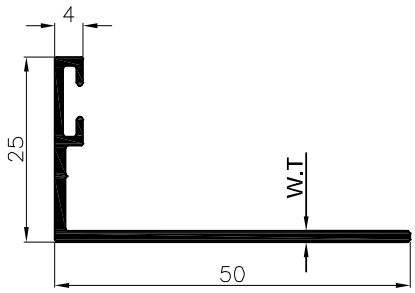
15444
(0.543 Kg/m)
W.T = 1.0 mm



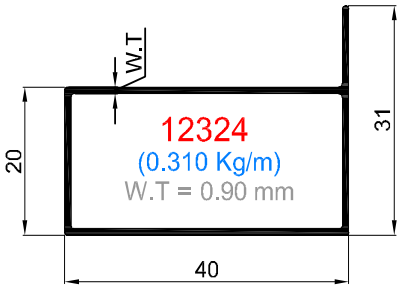
15343
(0.749 Kg/m)
W.T = 1.80 mm



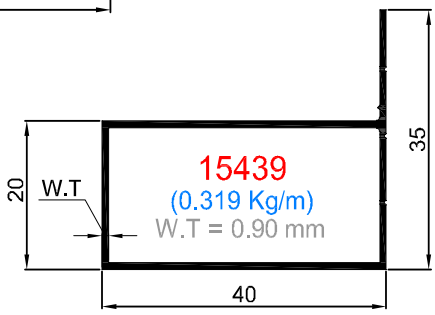
12156
(0.352 Kg/m)
W.T = 1.50 mm



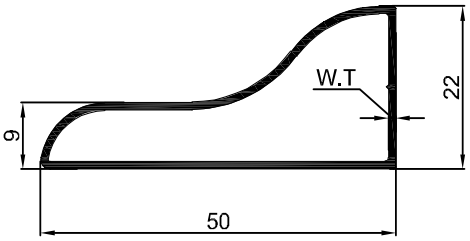
12412
(0.321 Kg/m)



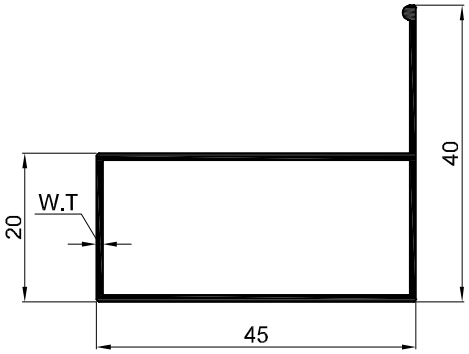
12324
(0.310 Kg/m)
W.T = 0.90 mm



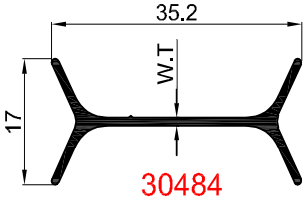
15439
(0.319 Kg/m)
W.T = 0.90 mm



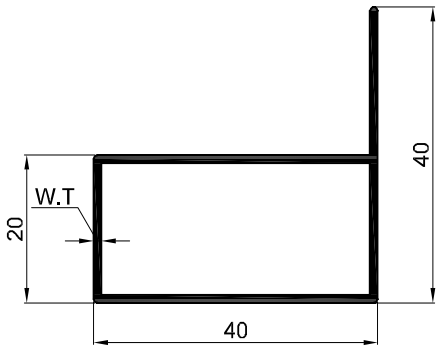
15615
(0.344 Kg/m)
W.T = 1.0 mm



15233
(0.360 Kg/m)
W.T = 0.90 mm

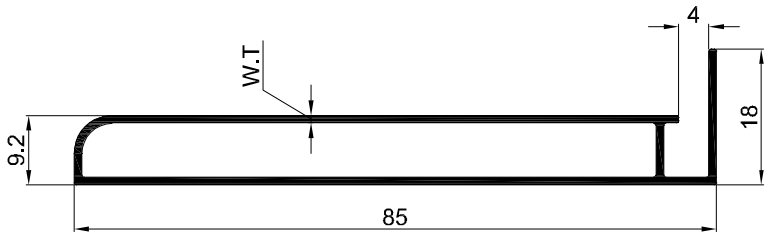


30484
(0.197 Kg/m)
W.T = 1.05 mm

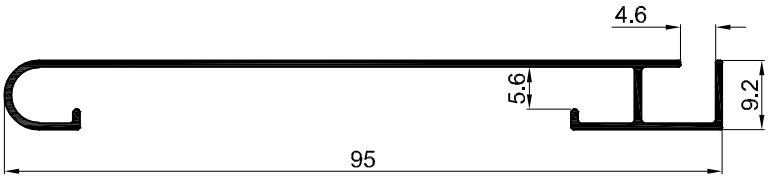


15350
(0.367 Kg/m)
W.T = 1.0 mm

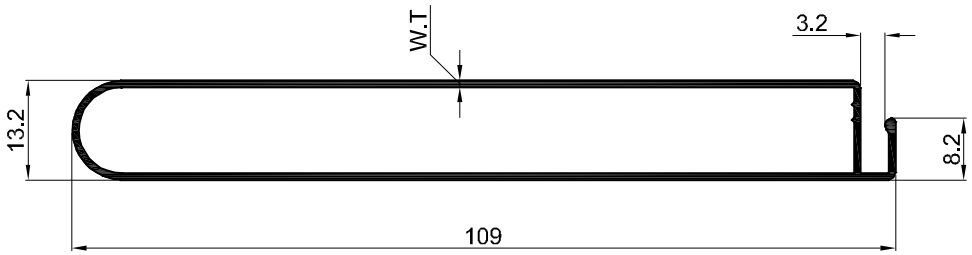
KITCHEN SECTIONS



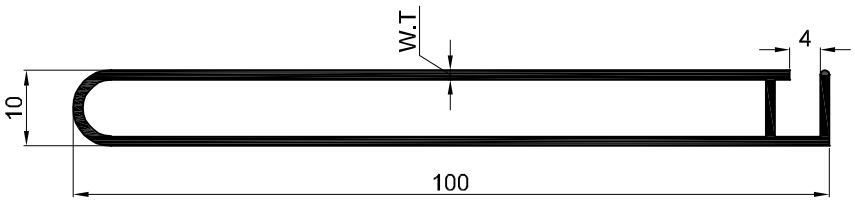
15453
(0.525 Kg/m)
W.T = 1.0 mm



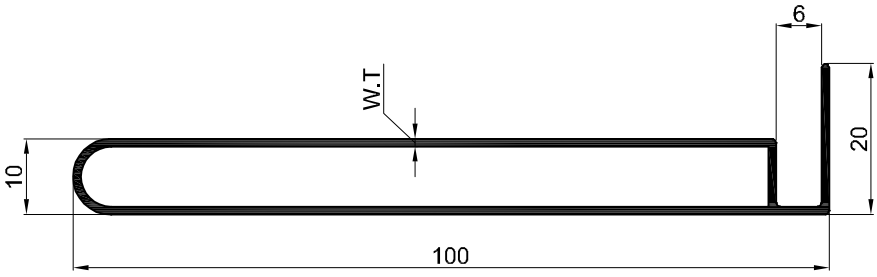
12292
(0.346 Kg/m)



15342
(0.579 Kg/m)
W.T = 0.90 mm

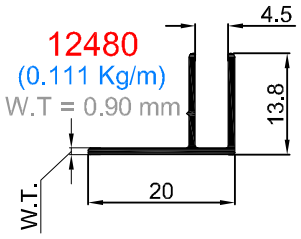


15229
(0.696 Kg/m)
W.T = 1.20 mm

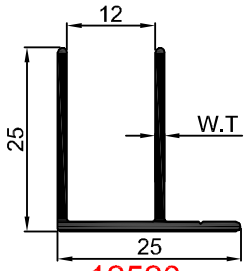


15285
(0.605 Kg/m)
W.T = 1.0 mm

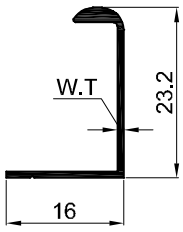
KITCHEN SECTIONS



12480
(0.111 Kg/m)
W.T = 0.90 mm

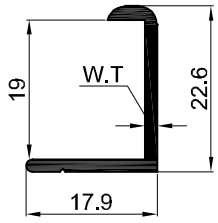


12520
(0.253 Kg/m)
W.T = 1.3 mm

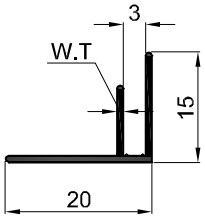


12218
(0.117 Kg/m)
W.T = 0.90 mm

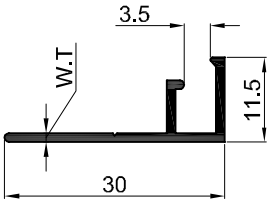
W.T = 1.5 mm



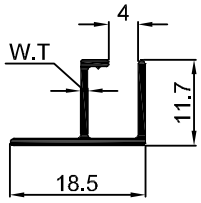
12105
(0.196 Kg/m)
W.T = 1.70 mm



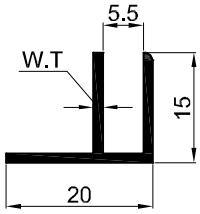
12216
(0.106 Kg/m)
W.T = 0.90 mm



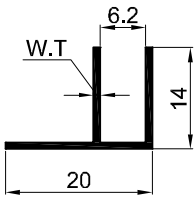
12208
(0.158 Kg/m)
W.T = 1.20 mm



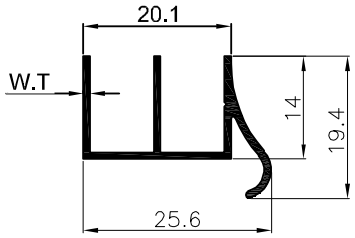
12331
(0.115 Kg/m)
W.T = 1.0 mm



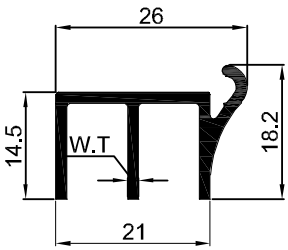
12104
(0.166 Kg/m)
W.T = 1.30 mm



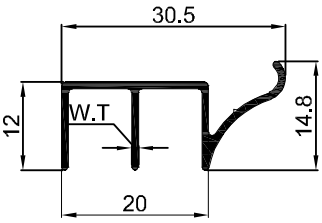
12213
(0.111 Kg/m)
W.T = 0.90 mm



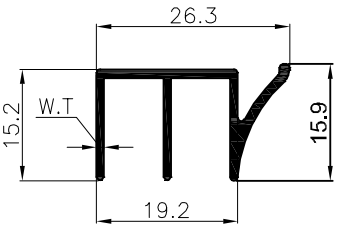
12411
(0.186 Kg/m)
W.T = 0.90 mm



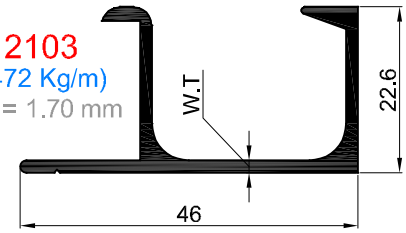
12332J
(0.300 Kg/m)
W.T = 1.50 mm



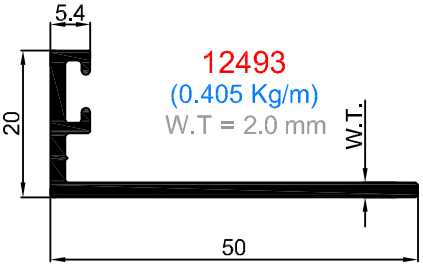
12334
(0.174 Kg/m)
W.T = 0.90 mm



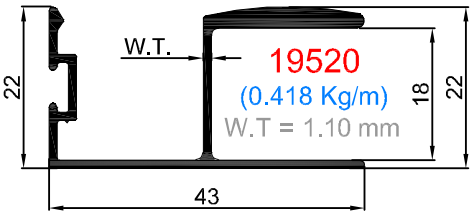
12257
(0.223 Kg/m)
W.T = 1.0 mm



12103
(0.472 Kg/m)
W.T = 1.70 mm



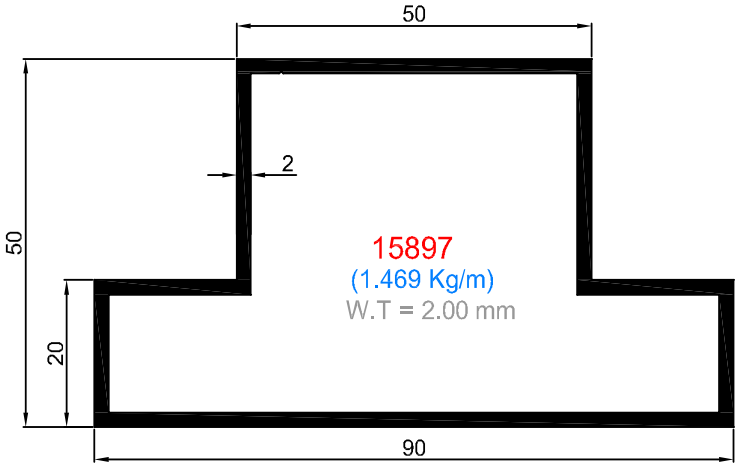
12493
(0.405 Kg/m)
W.T = 2.0 mm



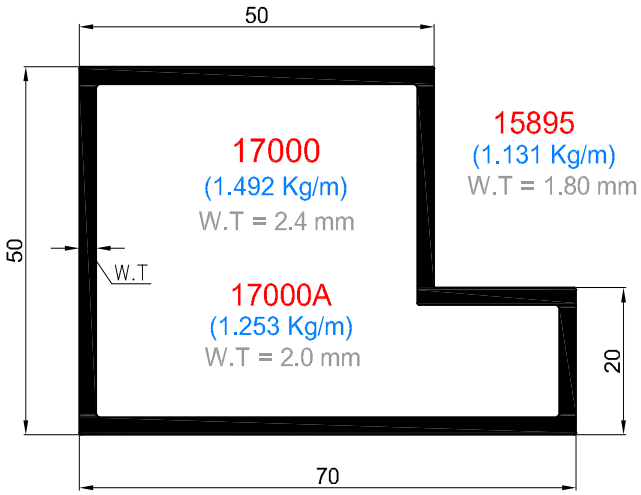
19520
(0.418 Kg/m)
W.T = 1.10 mm

MISCELLEANEOUS

MISCELLANEOUS



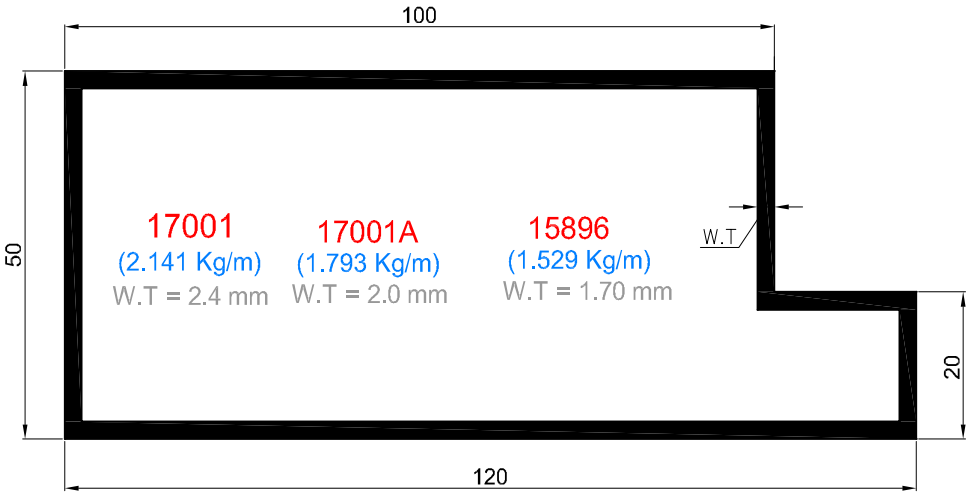
15897
(1.469 Kg/m)
W.T = 2.00 mm



17000
(1.492 Kg/m)
W.T = 2.4 mm

15895
(1.131 Kg/m)
W.T = 1.80 mm

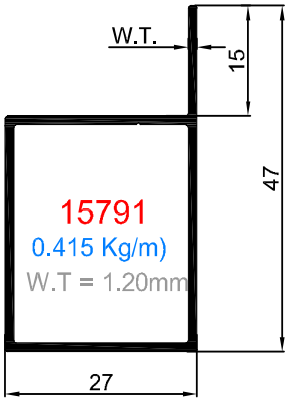
17000A
(1.253 Kg/m)
W.T = 2.0 mm



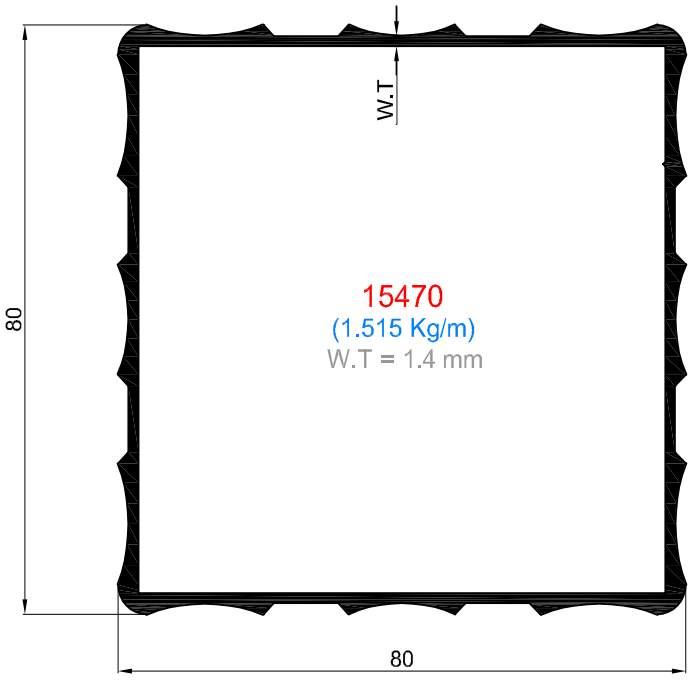
17001
(2.141 Kg/m)
W.T = 2.4 mm

17001A
(1.793 Kg/m)
W.T = 2.0 mm

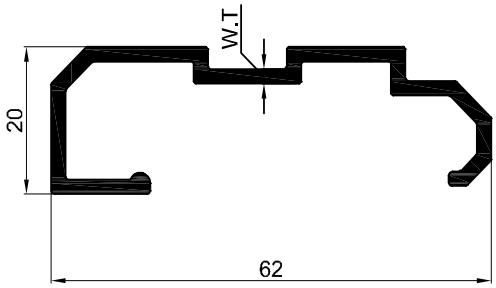
15896
(1.529 Kg/m)
W.T = 1.70 mm



15791
0.415 Kg/m)
W.T = 1.20mm

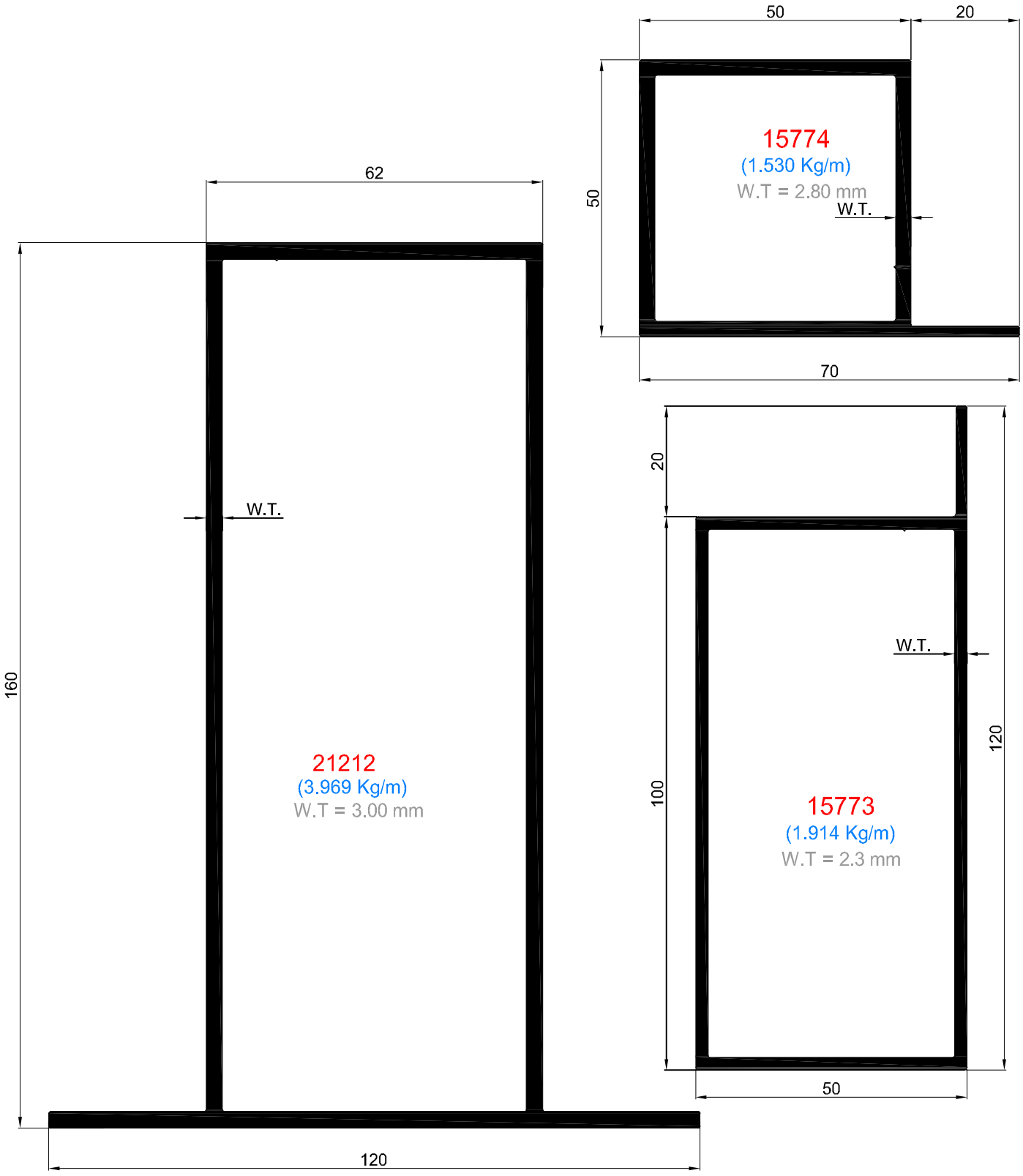


15470
(1.515 Kg/m)
W.T = 1.4 mm

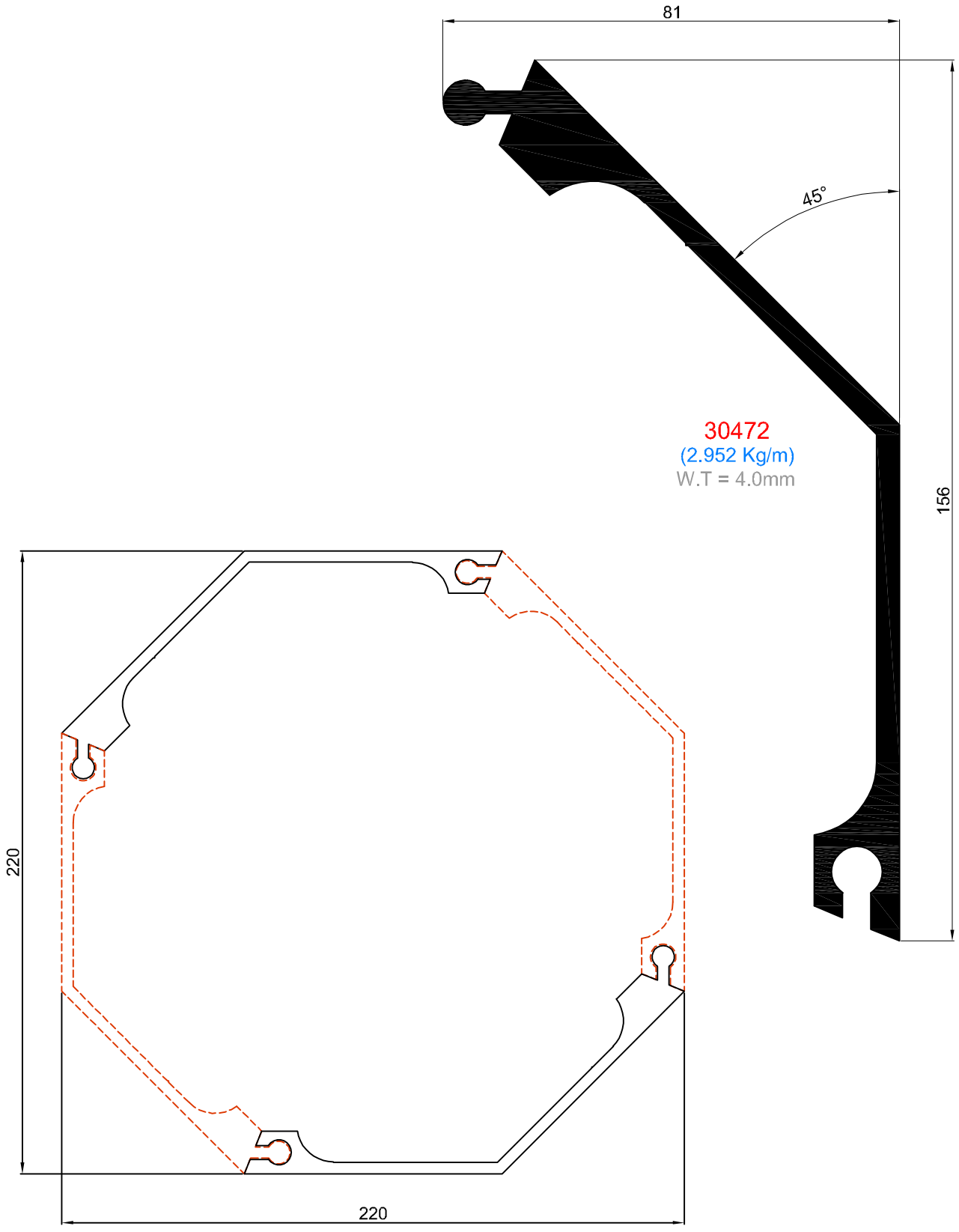


19266
(0.610 Kg/m)
W.T = 2.0 mm

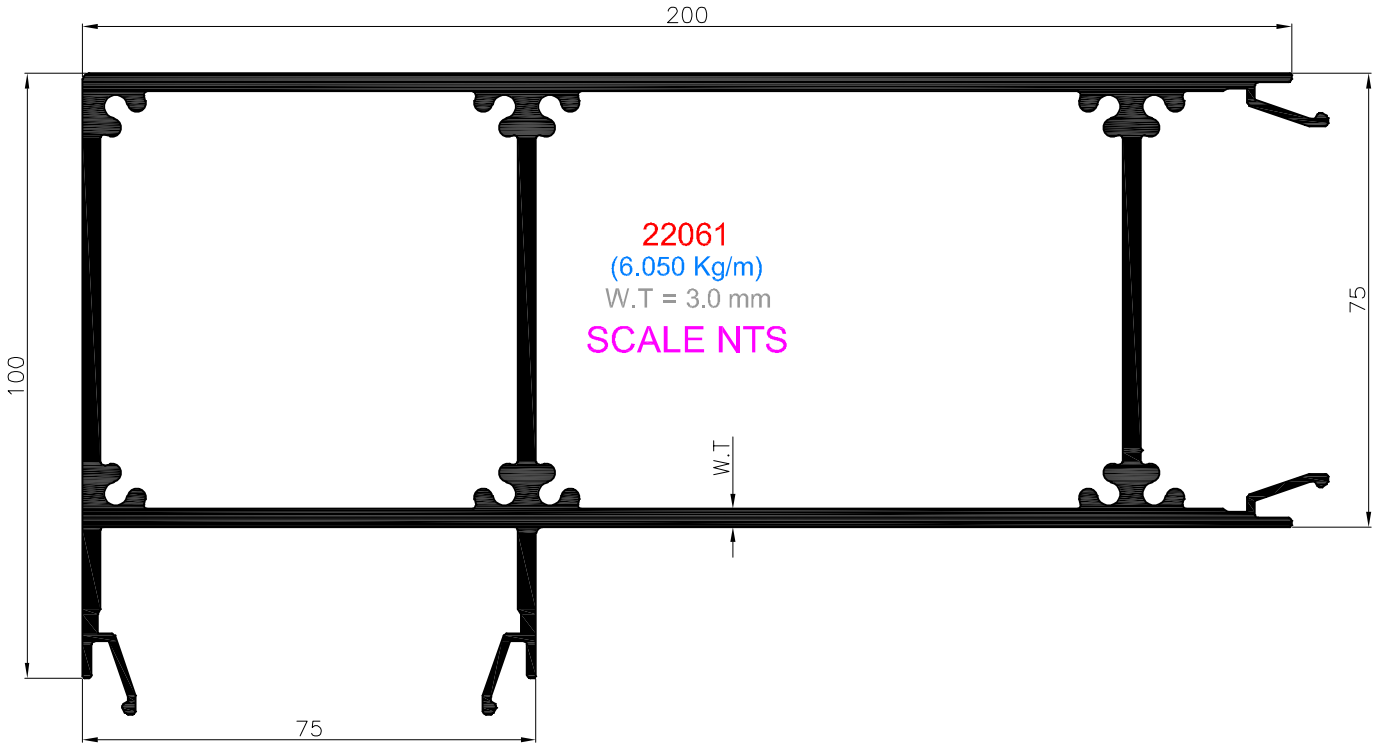
MISCELLANEOUS



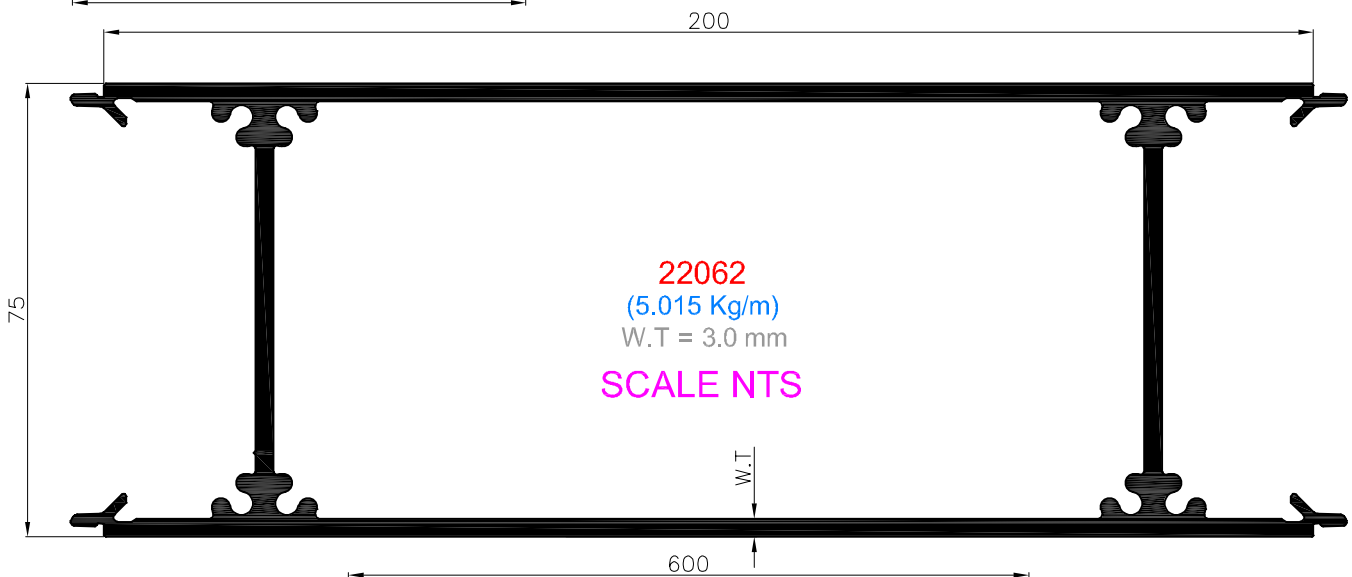
MISCELLANEOUS



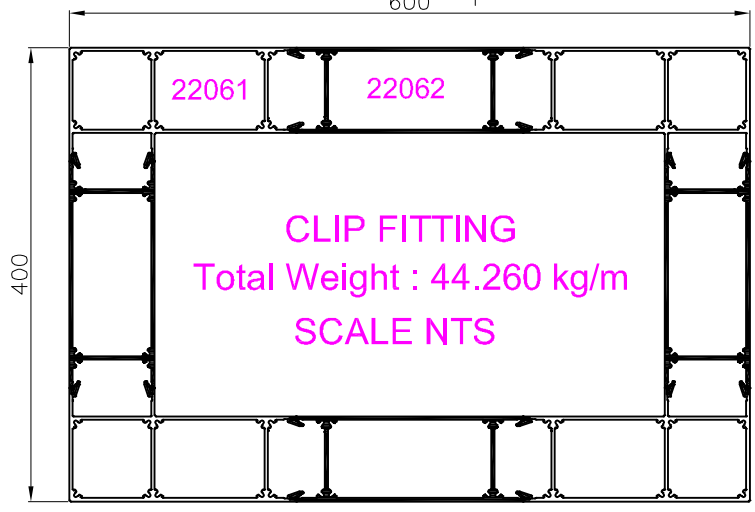
MISCELLANEOUS



22061
(6.050 Kg/m)
W.T = 3.0 mm
SCALE NTS

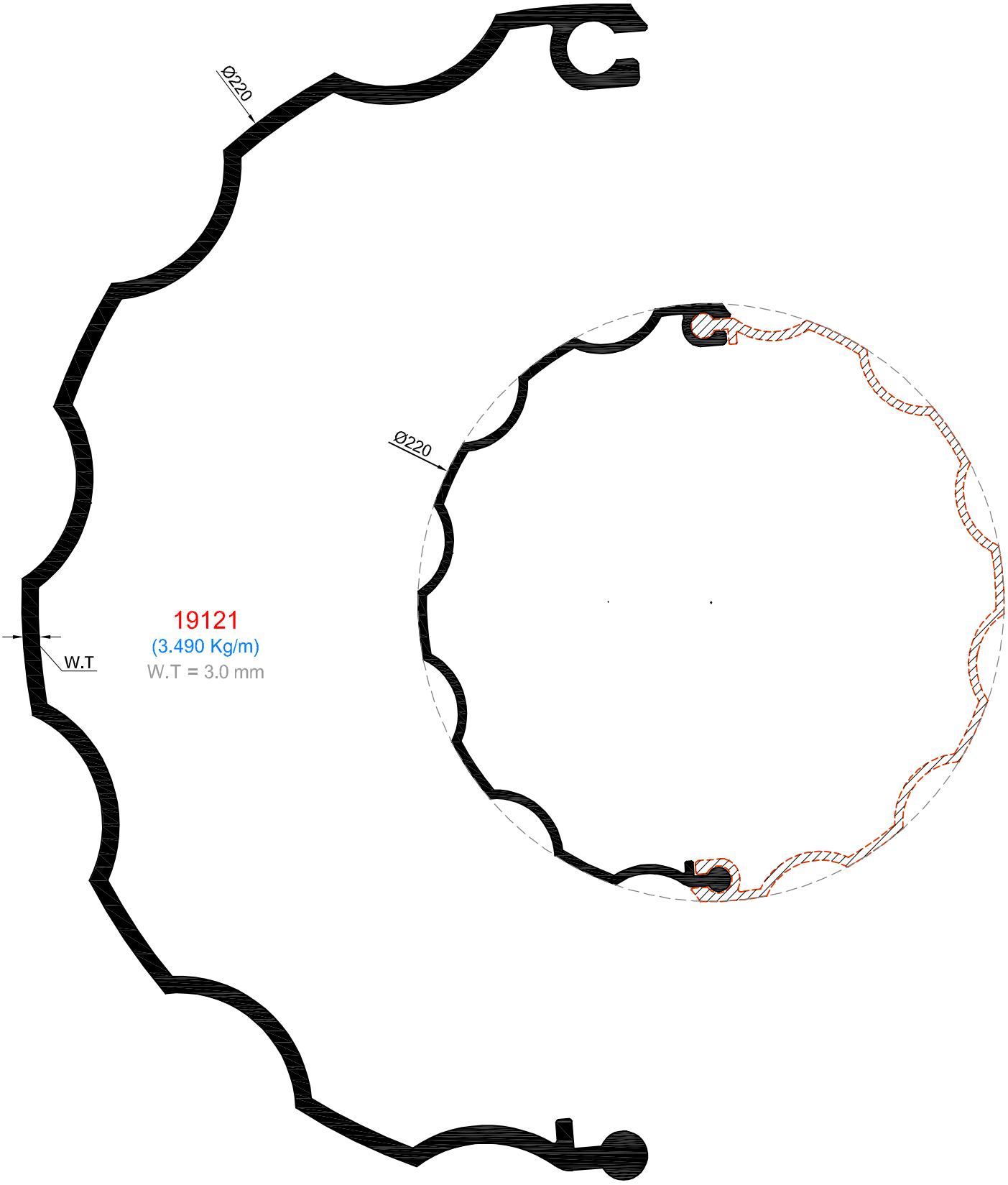


22062
(5.015 Kg/m)
W.T = 3.0 mm
SCALE NTS

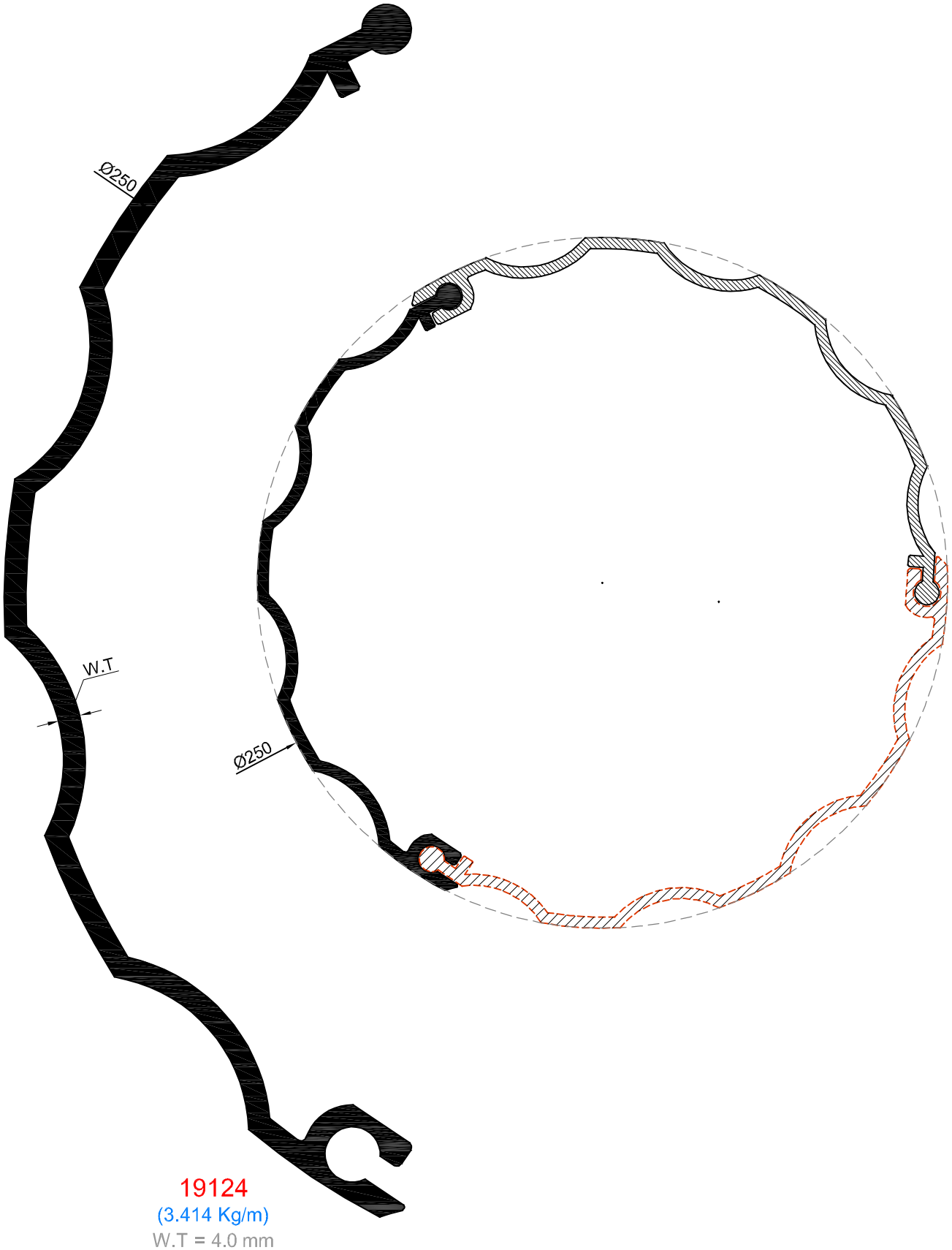


CLIP FITTING
Total Weight : 44.260 kg/m
SCALE NTS

MISCELLANEOUS

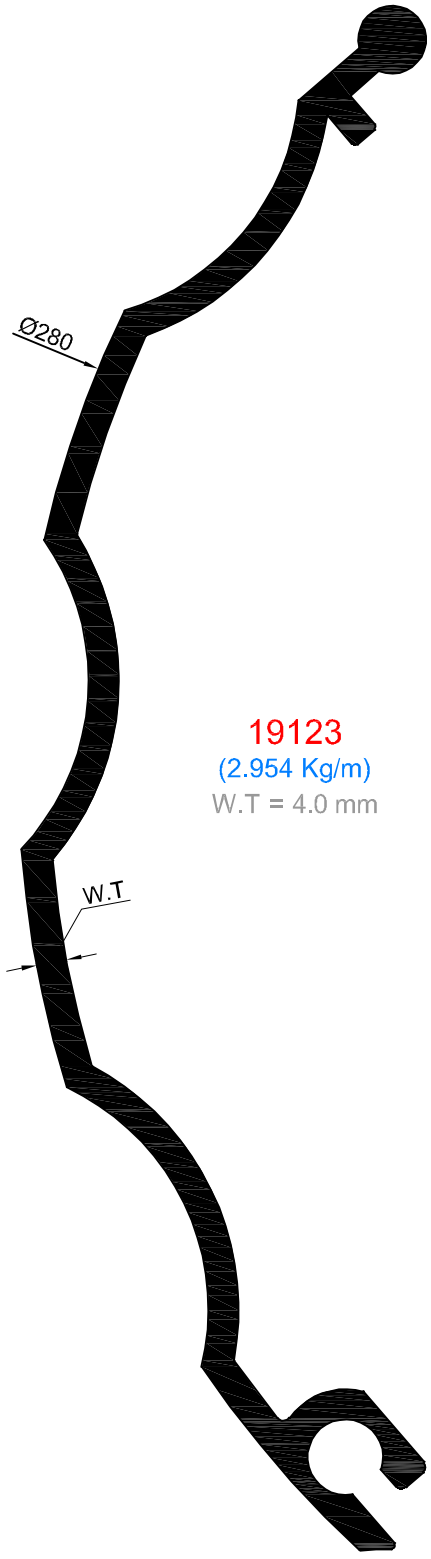


MISCELLANEOUS

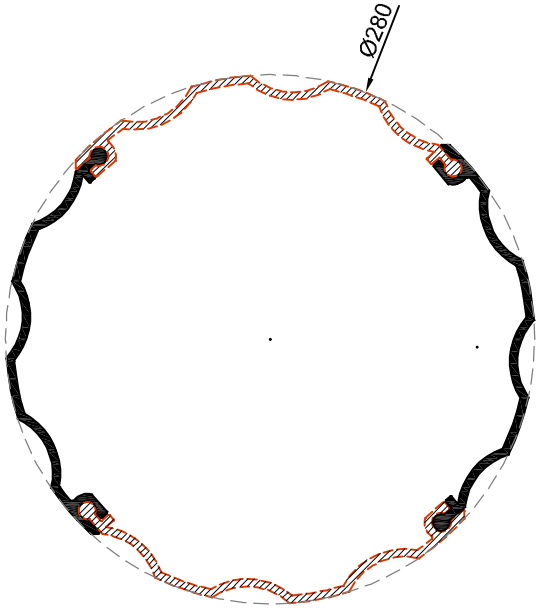


19124
(3.414 Kg/m)
W.T = 4.0 mm

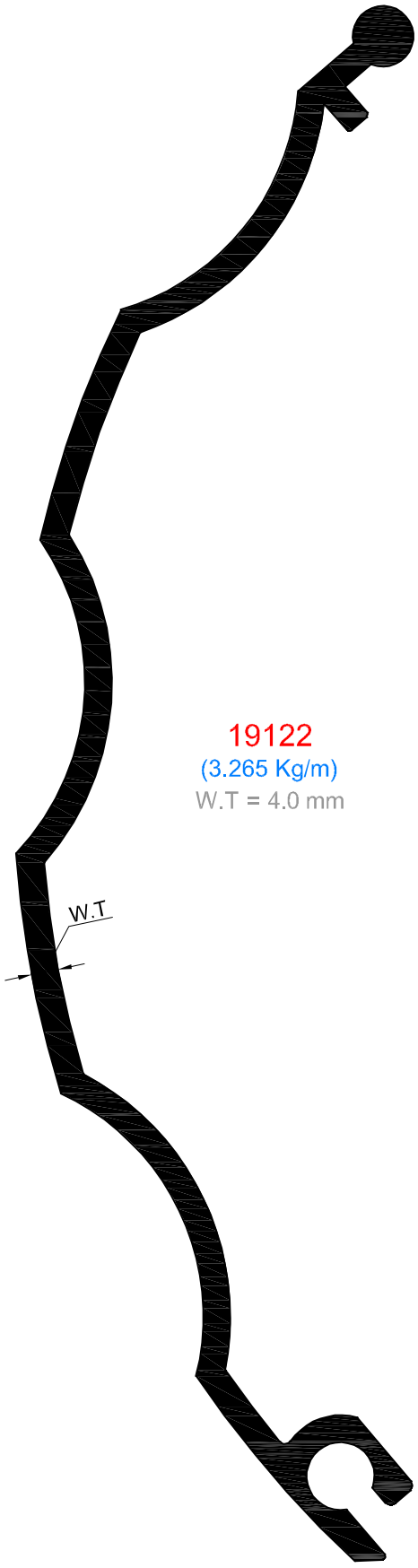
MISCELLANEOUS



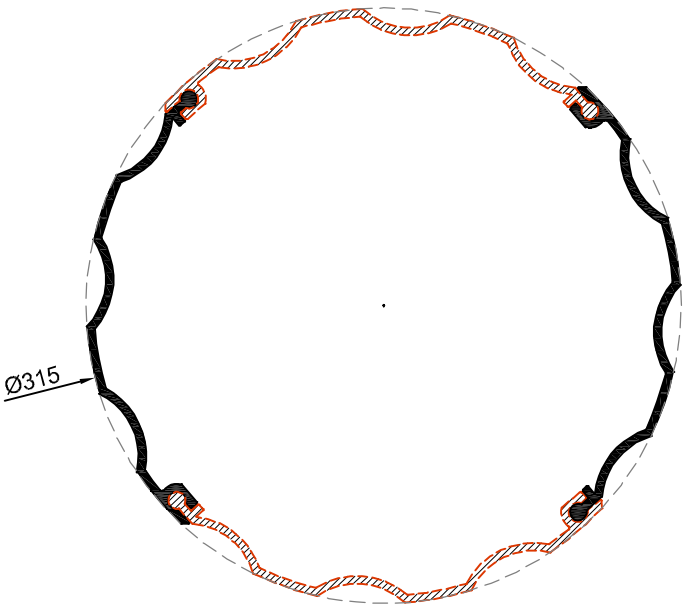
19123
(2.954 Kg/m)
W.T = 4.0 mm



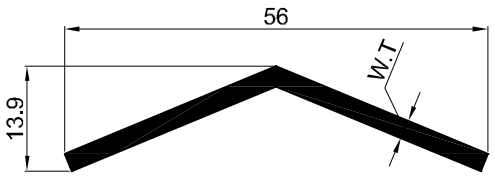
MISCELLANEOUS



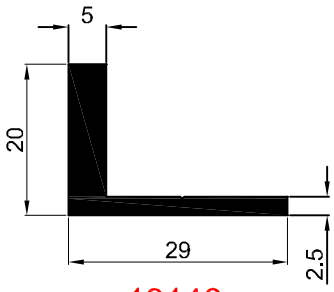
19122
(3.265 Kg/m)
W.T = 4.0 mm



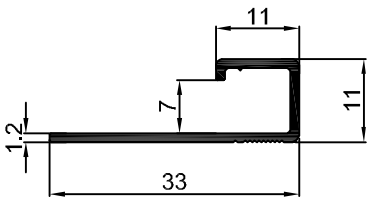
MISCELLANEOUS



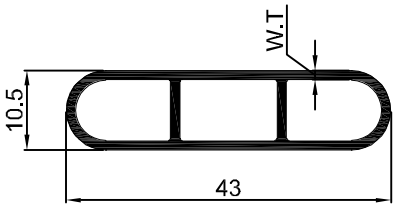
12298
(0.402 Kg/m)
W.T = 2.50 mm



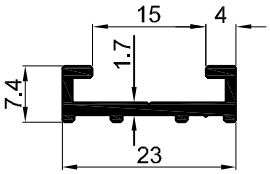
19146
(0.432 Kg/m)



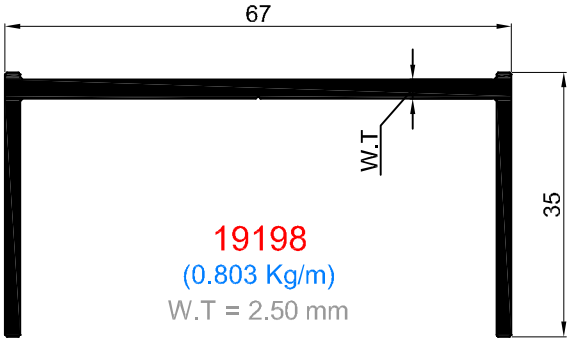
12459
(0.173 Kg/m)



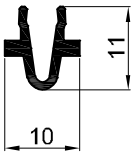
15451
(0.358 Kg/m)
W.T = 1.20 mm



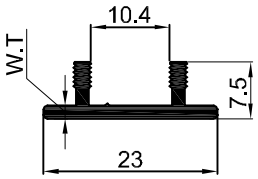
12377
(0.179 Kg/m)



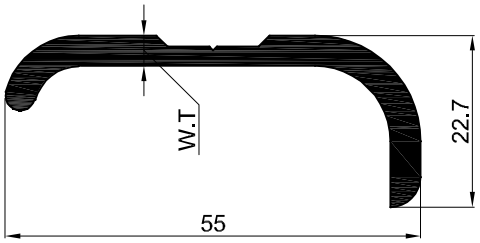
19198
(0.803 Kg/m)
W.T = 2.50 mm



19300
(0.091 Kg/m)



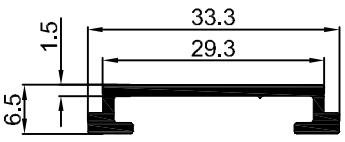
12079
(0.164 Kg/m)
W.T = 1.70 mm



19214
(0.701 Kg/m)
W.T = 4.0 mm

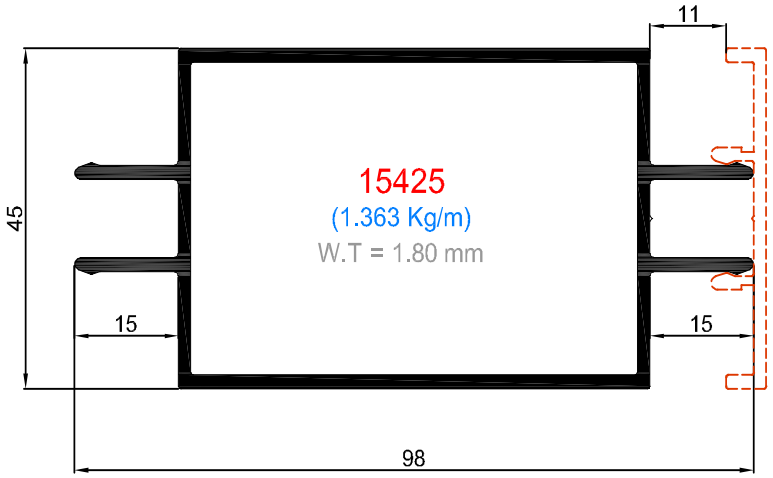


12237
(1.758 Kg/m)
W.T = 4.50 mm

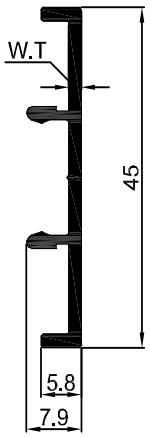


12399
(0.210 Kg/m)
W.T = 1.60 mm

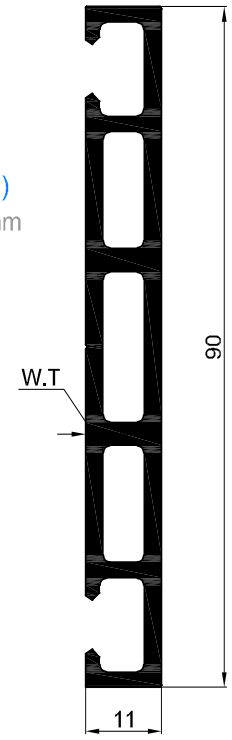
MISCELLANEOUS



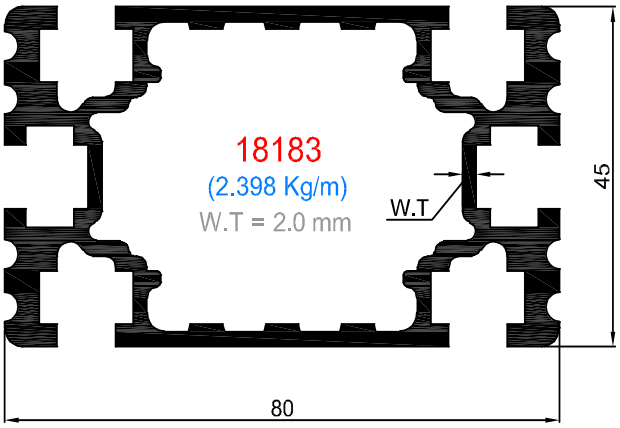
15425
(1.363 Kg/m)
W.T = 1.80 mm



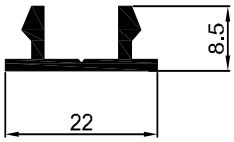
12315
(0.312 Kg/m)
W.T = 1.80 mm



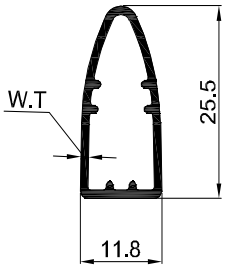
18276
(1.340 Kg/m)
W.T = 2.50 mm



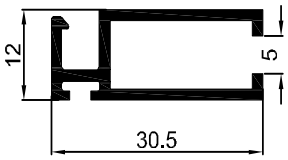
18183
(2.398 Kg/m)
W.T = 2.0 mm



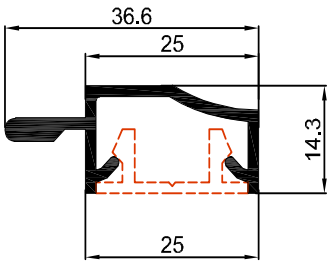
12276
(0.173 Kg/m)
W.T = 1.50 mm



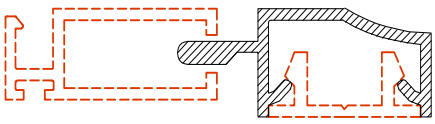
15179
(0.204 Kg/m)
W.T = 1.10 mm

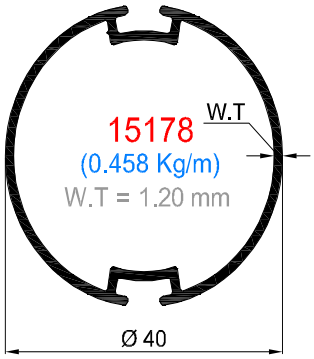


12275
(0.322 Kg/m)
W.T = 1.60 mm



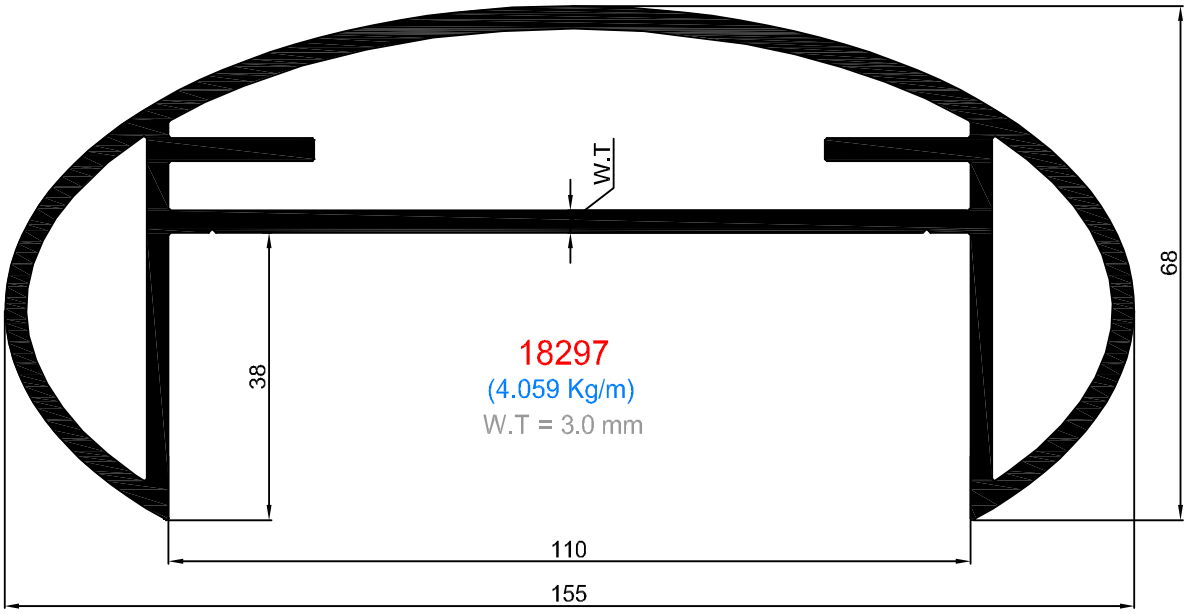
12277
(0.303 Kg/m)
W.T = 1.50 mm

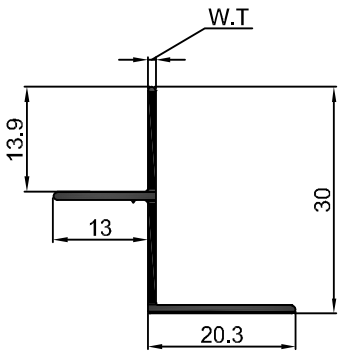


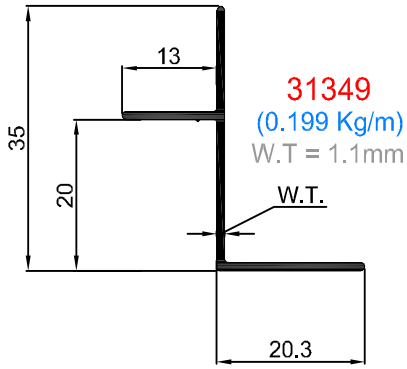


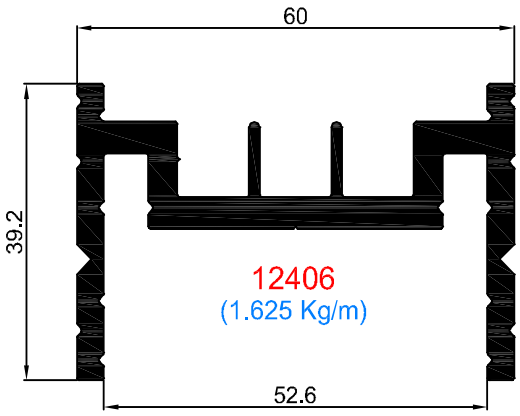
15178
(0.458 Kg/m)
W.T = 1.20 mm

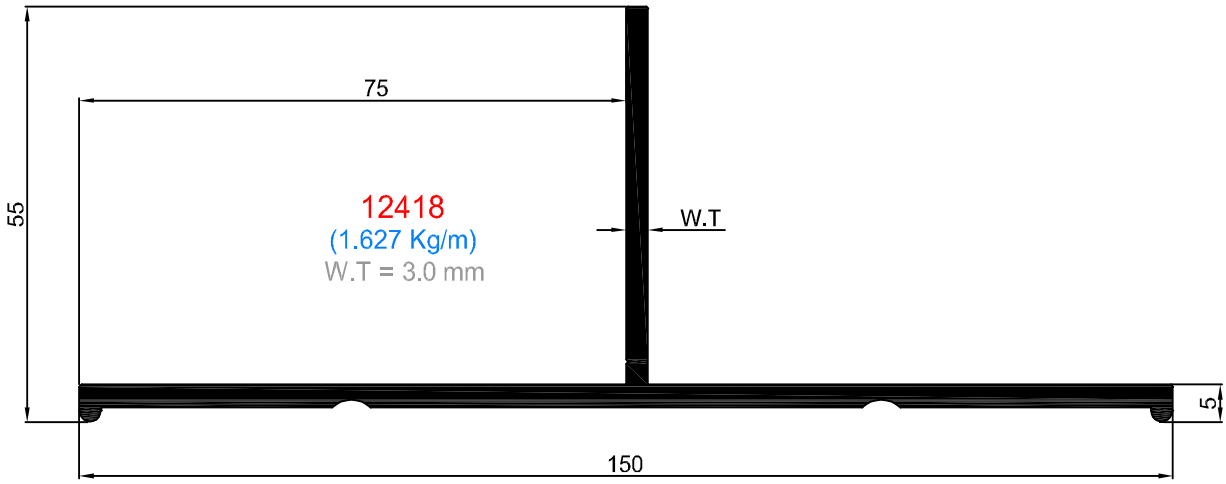
MISCELLANEOUS



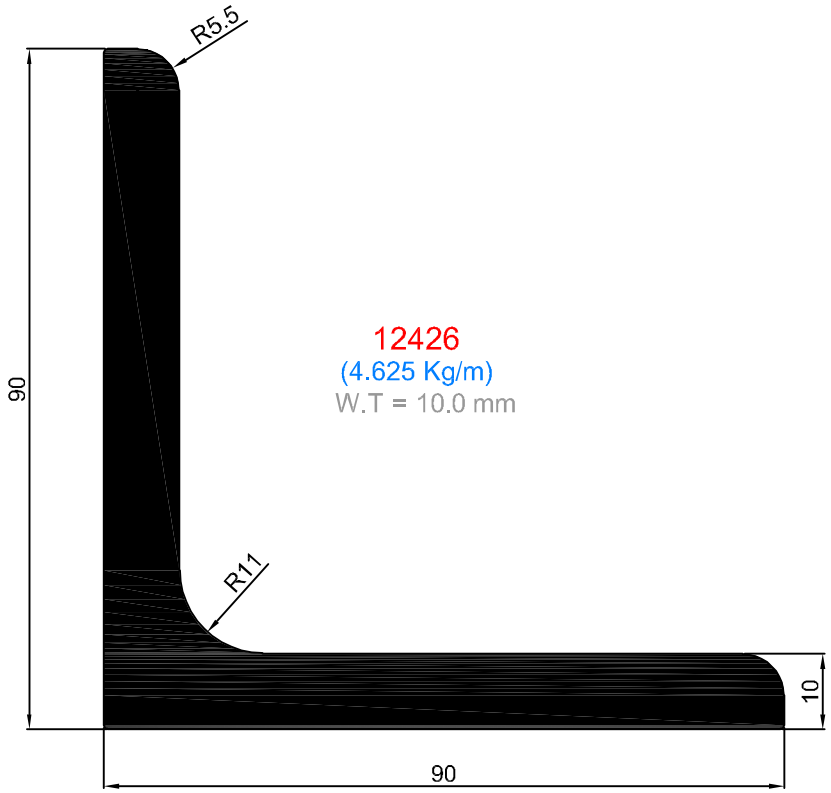




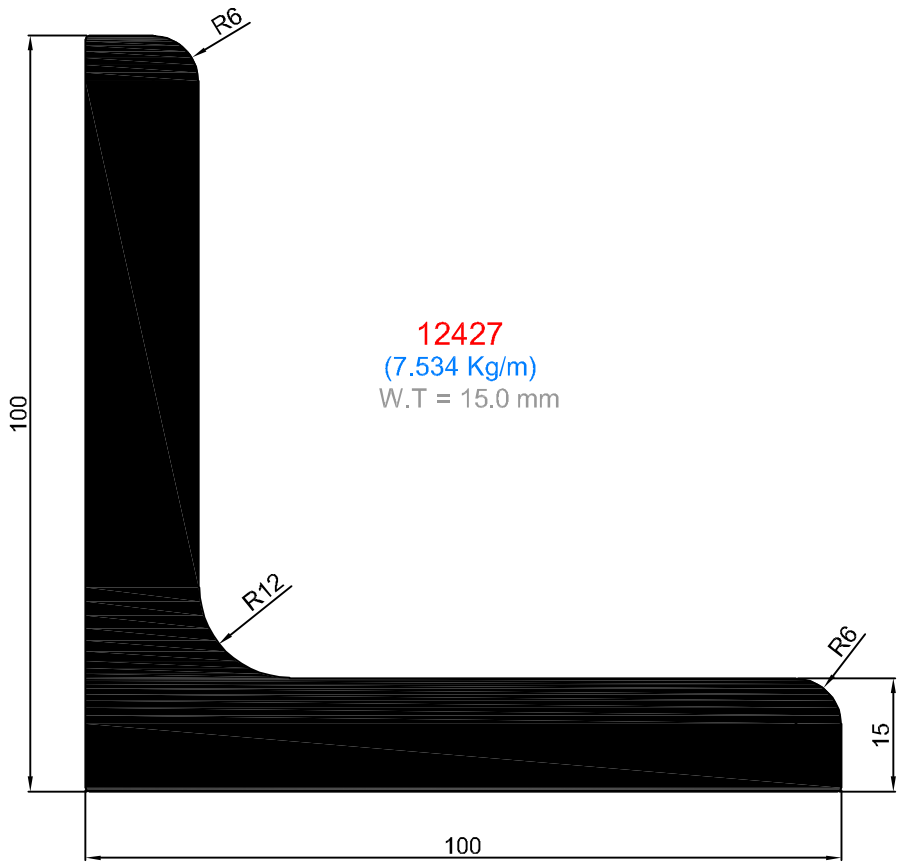




MISCELLANEOUS

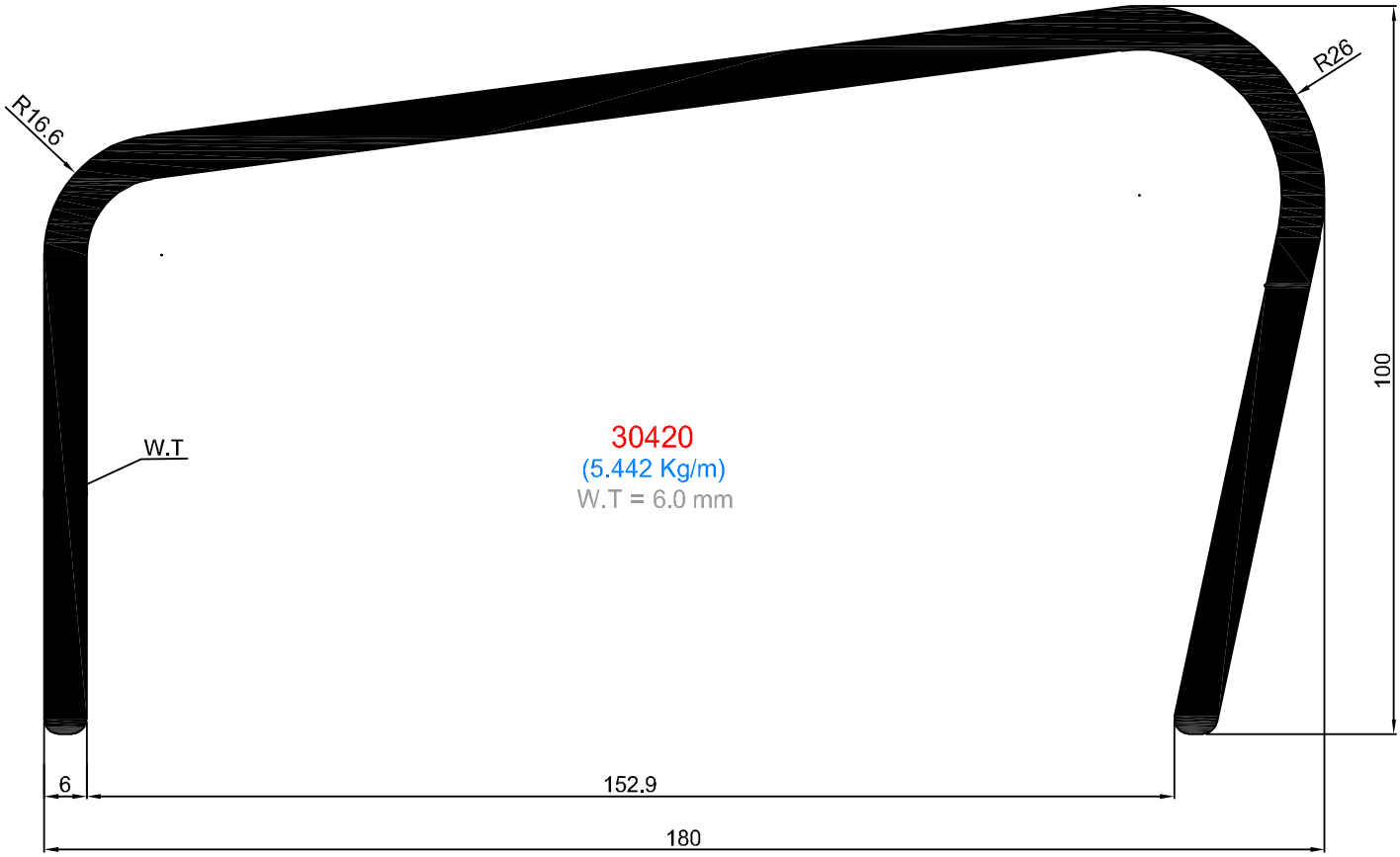


12426
(4.625 Kg/m)
W.T = 10.0 mm

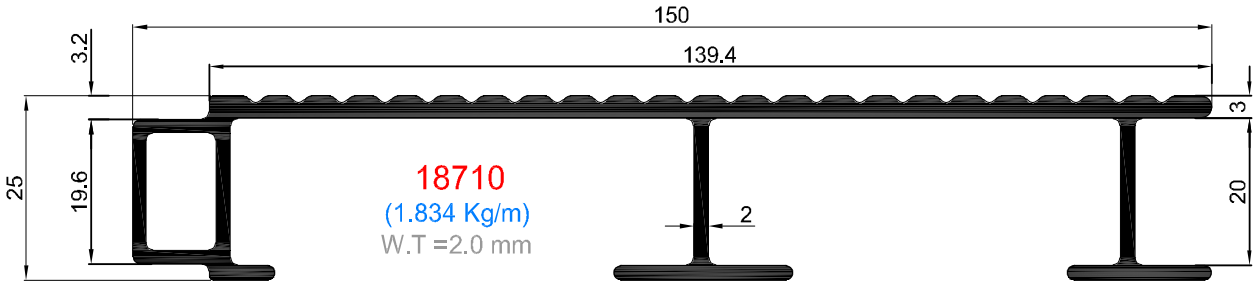


12427
(7.534 Kg/m)
W.T = 15.0 mm

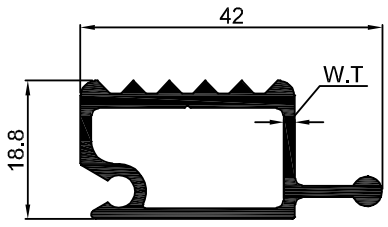
MISCELLANEOUS



30420
(5.442 Kg/m)
W.T = 6.0 mm



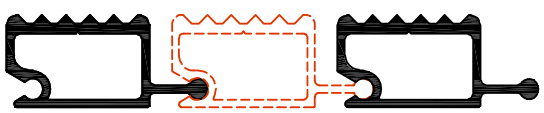
18710
(1.834 Kg/m)
W.T =2.0 mm



15295
(0.549 Kg/m)
W.T = 1.50 mm

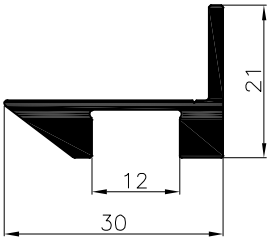


ASSEMBLY 18710

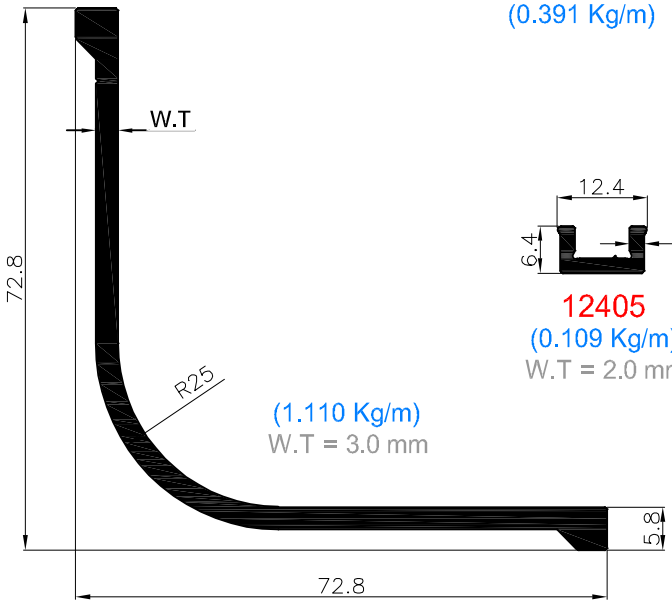


ASSEMBLY 15295

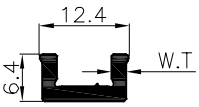
MISCELLANEOUS



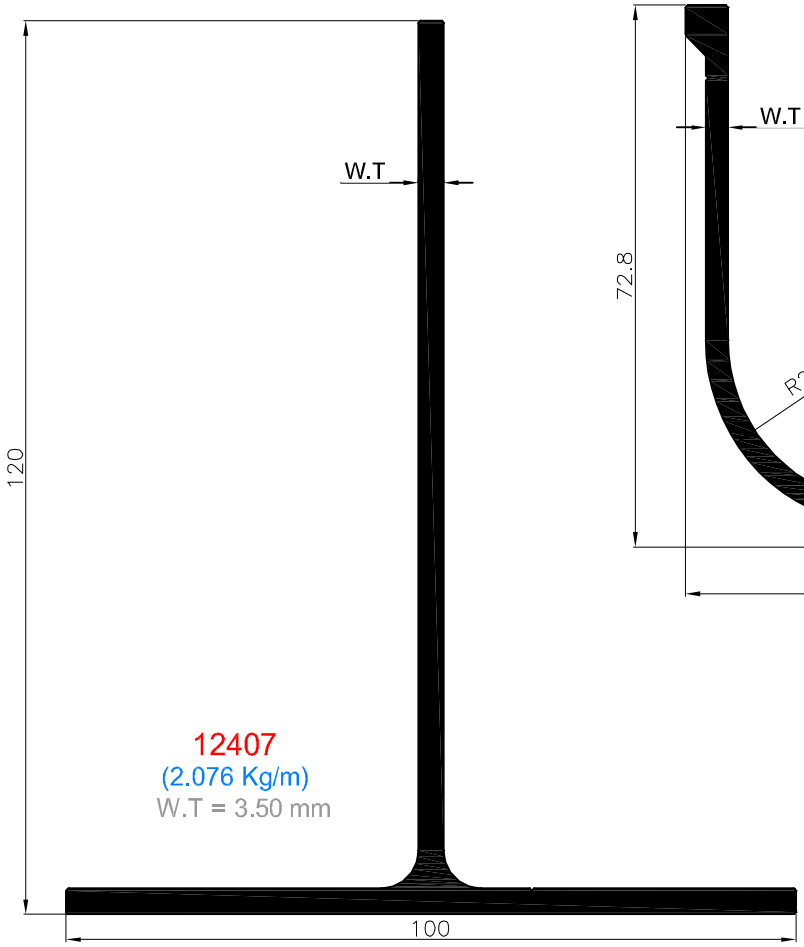
12404
(0.391 Kg/m)



(1.110 Kg/m)
W.T = 3.0 mm

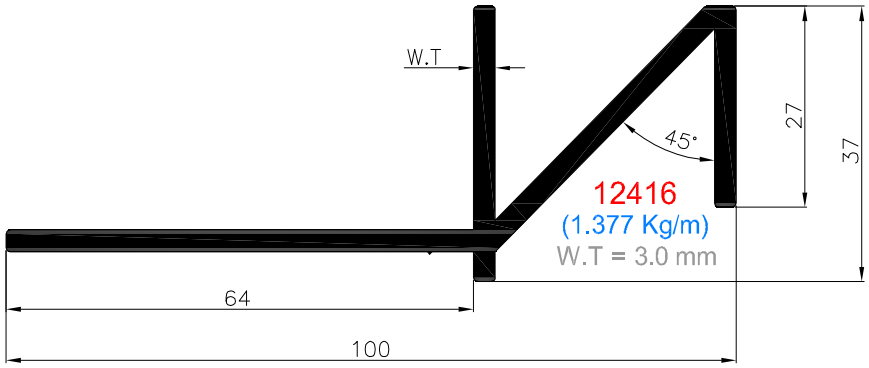


12405
(0.109 Kg/m)
W.T = 2.0 mm



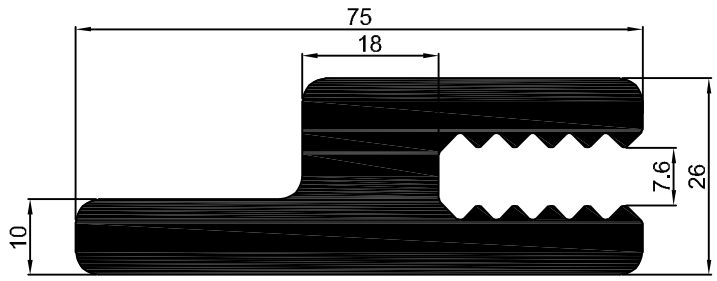
12407
(2.076 Kg/m)
W.T = 3.50 mm

12417

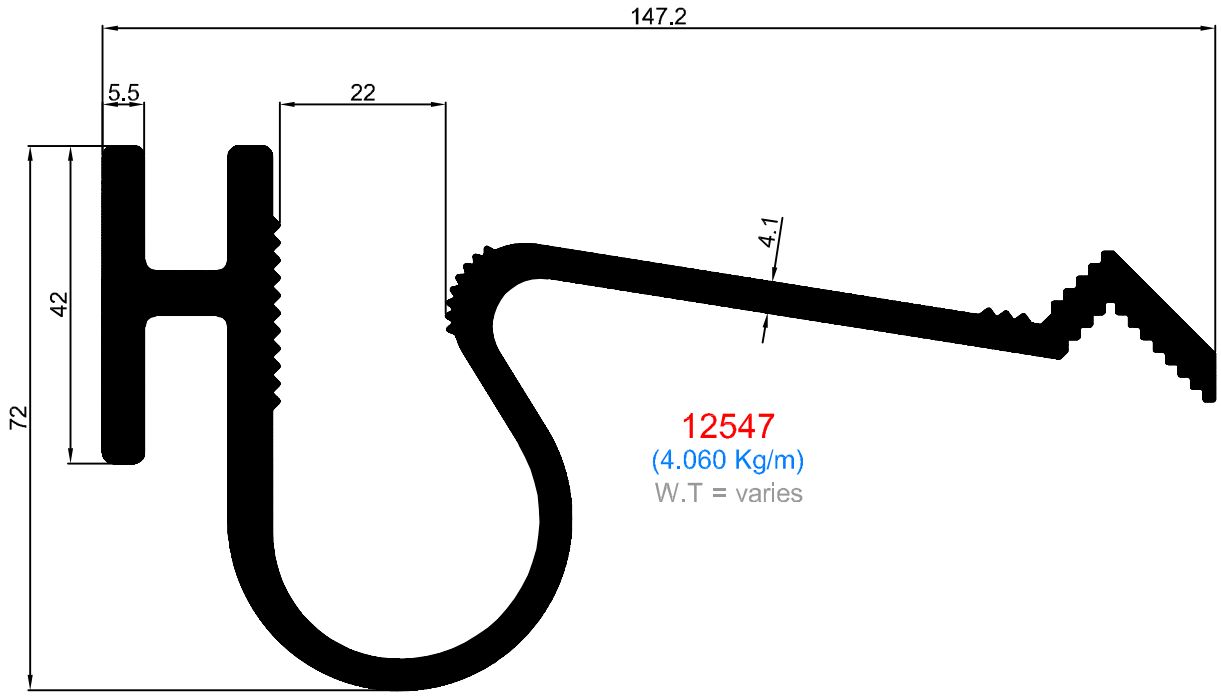


12416
(1.377 Kg/m)
W.T = 3.0 mm

MISCELLANEOUS



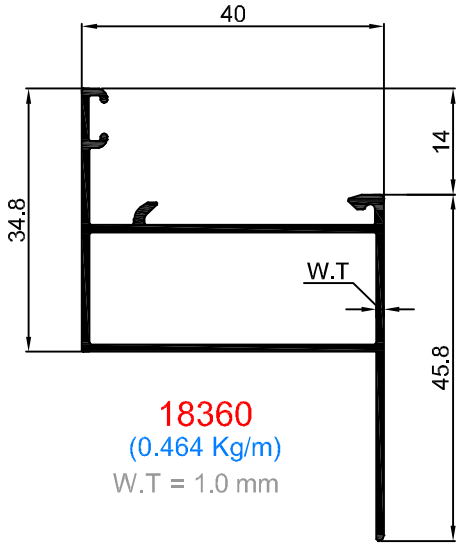
12546
(3.252 Kg/m)
W.T = varies



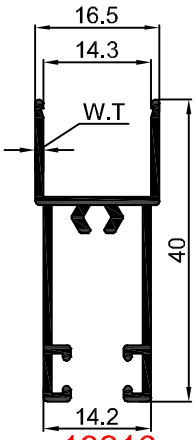
12547
(4.060 Kg/m)
W.T = varies

MOROCCO PROFILES

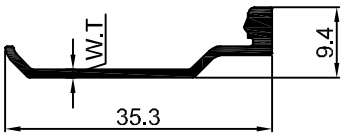
MOROCCO PROFILES



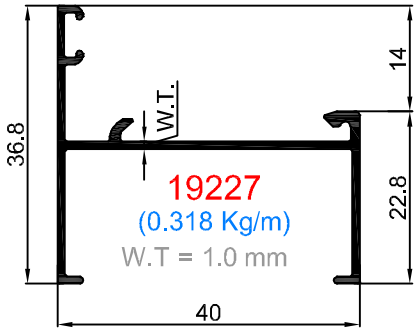
18360
(0.464 Kg/m)
W.T = 1.0 mm



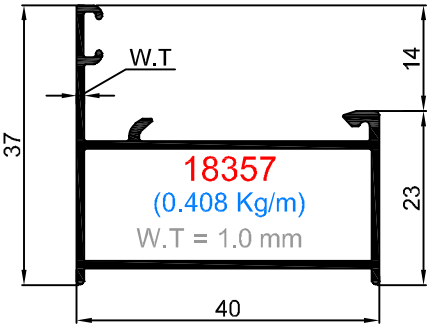
19216
(0.350 Kg/m)
W.T = 1.1 mm



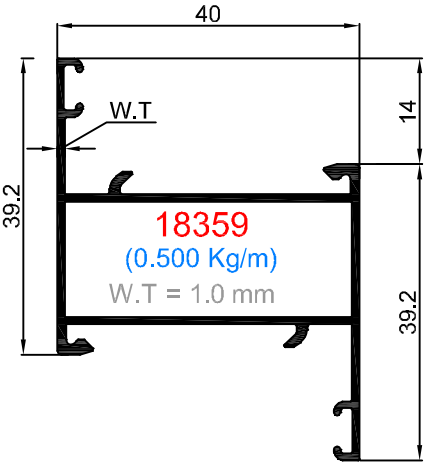
19352
(0.158 Kg/m)
W.T = 1.10 mm



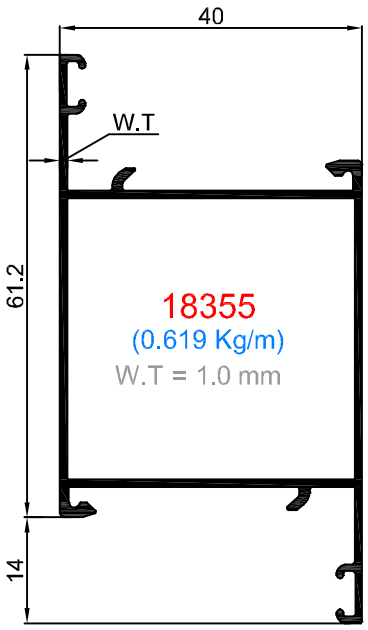
19227
(0.318 Kg/m)
W.T = 1.0 mm



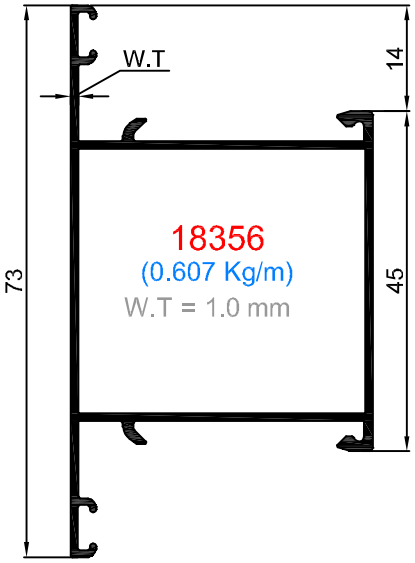
18357
(0.408 Kg/m)
W.T = 1.0 mm



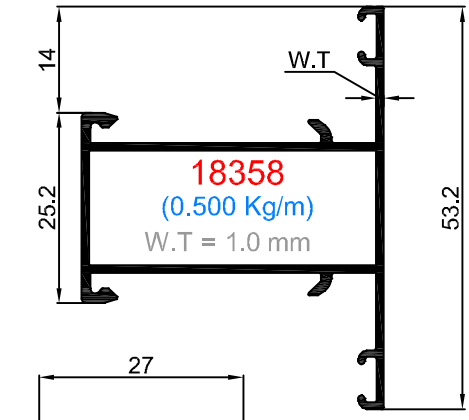
18359
(0.500 Kg/m)
W.T = 1.0 mm



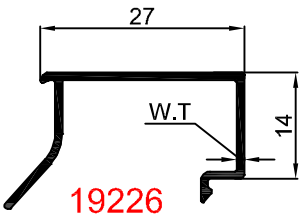
18355
(0.619 Kg/m)
W.T = 1.0 mm



18356
(0.607 Kg/m)
W.T = 1.0 mm

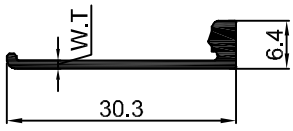


18358
(0.500 Kg/m)
W.T = 1.0 mm

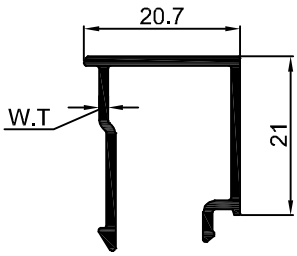


19226
(0.178 Kg/m)
W.T = 1.0 mm

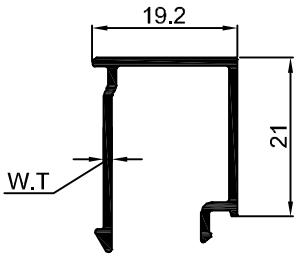
MOROCCO PROFILES



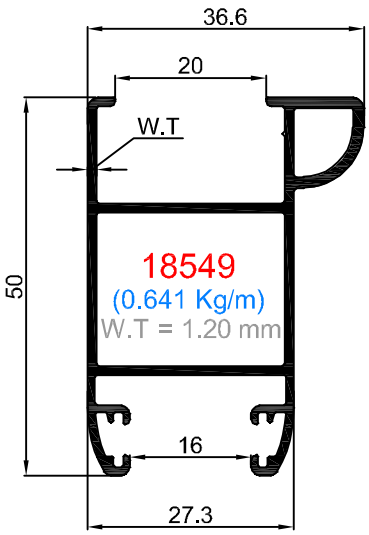
19362
(0.137 Kg/m)
W.T = 1.10 mm



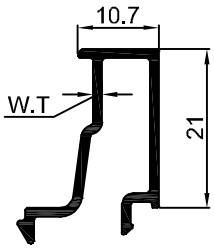
19392
(0.238 Kg/m)
W.T = 1.20 mm



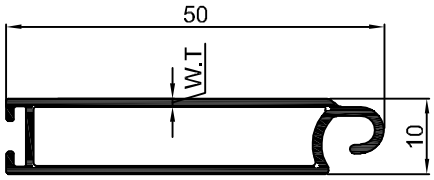
19361
(0.216 Kg/m)
W.T = 1.10 mm



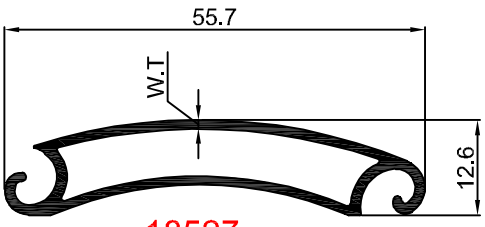
18549
(0.641 Kg/m)
W.T = 1.20 mm



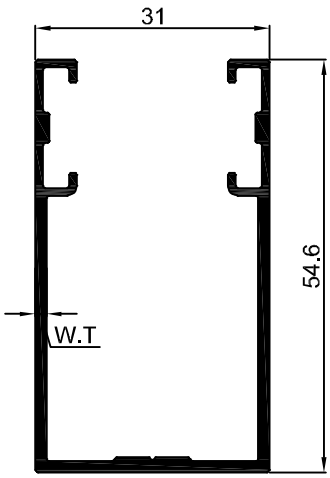
19391
(0.225 Kg/m)
W.T = 1.20 mm



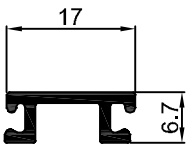
18528
(0.354 Kg/m)
W.T = 1.10 mm



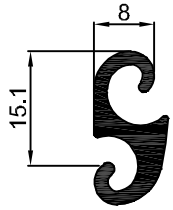
18527
(0.405 Kg/m)
W.T = 1.40 mm



19365
(0.608 Kg/m)
W.T = 1.50 mm

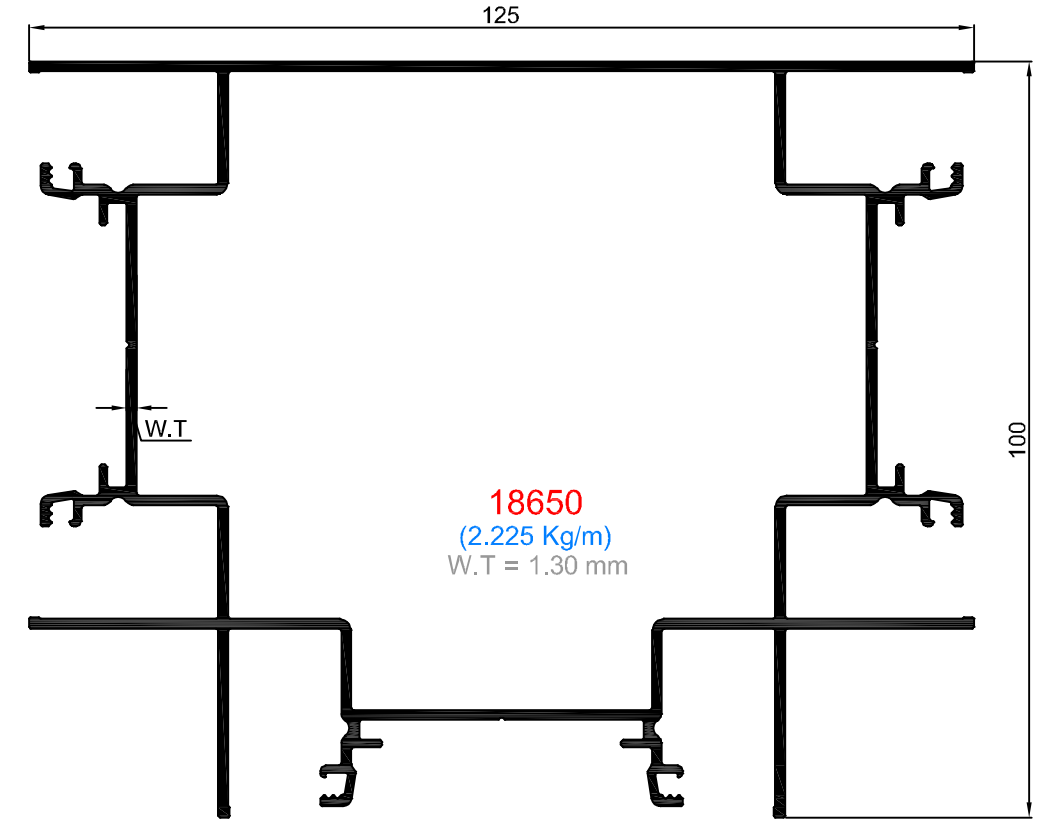


19363
(0.136 Kg/m)

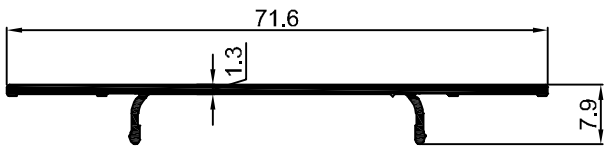


19366
(0.246 Kg/m)

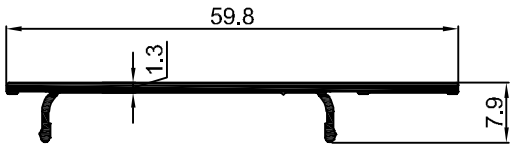
MOROCCO PROFILES



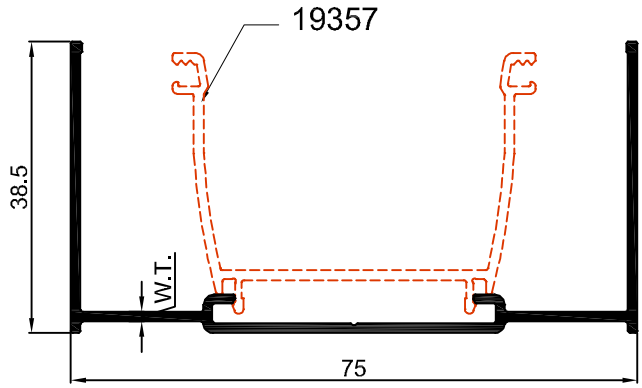
18650
(2.225 Kg/m)
W.T = 1.30 mm



19383
Weight: 0.288 kg/m

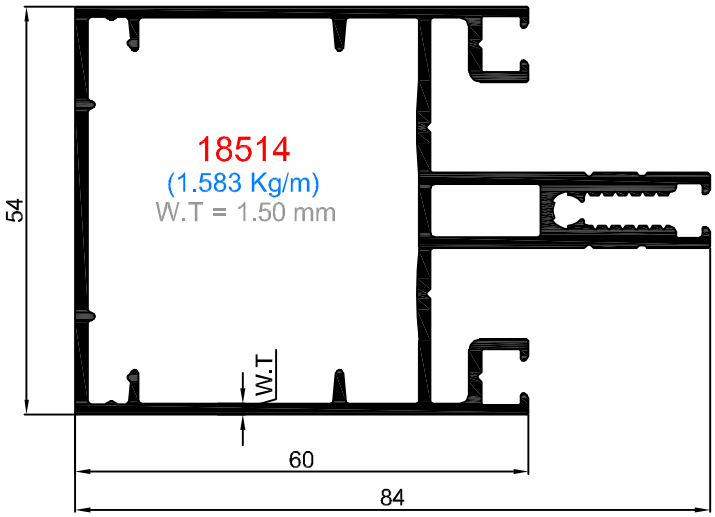


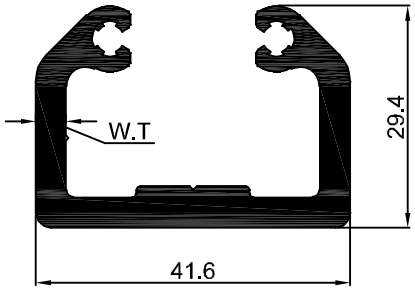
19384
Weight: 0.246 kg/m



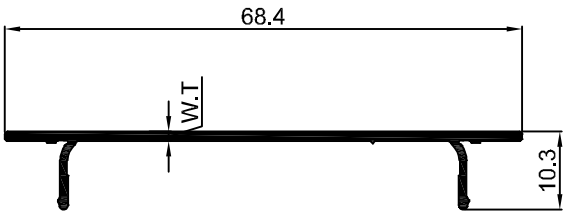
19356
(0.565 Kg/m)
W.T = 1.30 mm

MOROCCO PROFILES

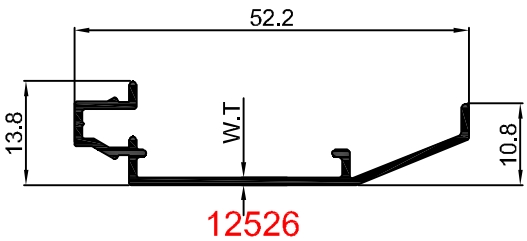




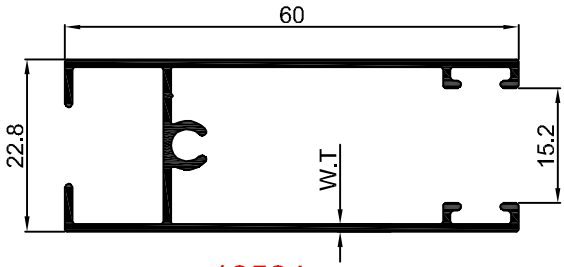
19443
(1.173 Kg/m)
W.T = 4.00 mm



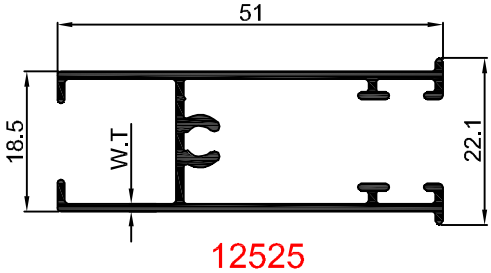
19381
(0.291 Kg/m)
W.T = 1.30 mm



12526
(0.229 Kg/m)
W.T = 1.0 mm

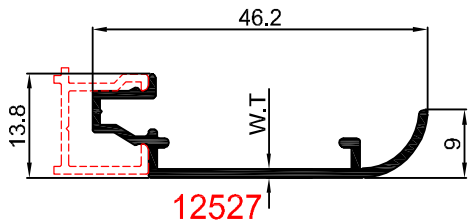


12524
(0.488 Kg/m)
W.T = 1.0 mm

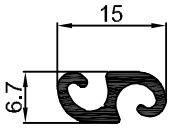


12525
(0.440 Kg/m)
W.T = 1.0 mm

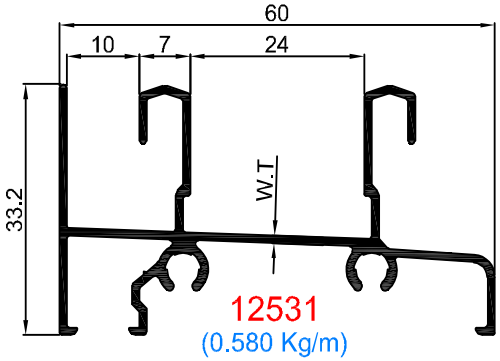
MOROCCO PROFILES



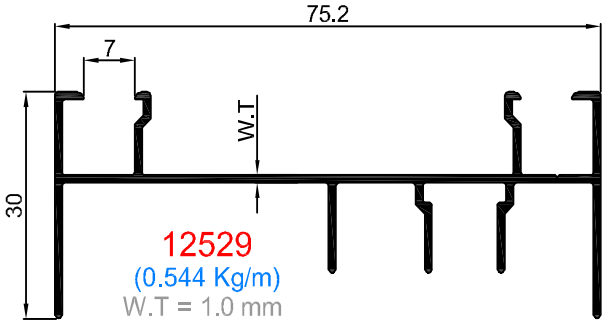
12527
(0.240 Kg/m)
W.T = 1.20 mm



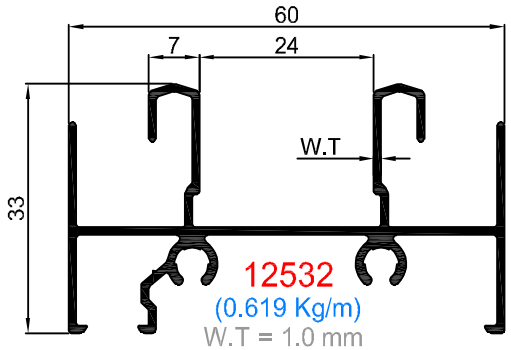
12528
(0.122 Kg/m)
W.T = 1.3 mm



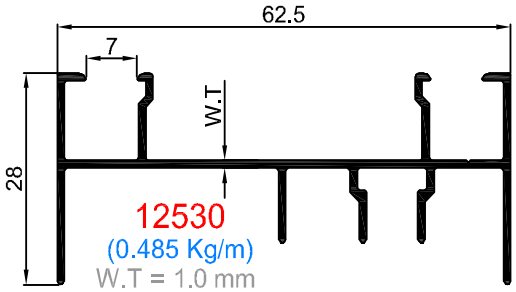
12531
(0.580 Kg/m)
W.T = 1.0 mm



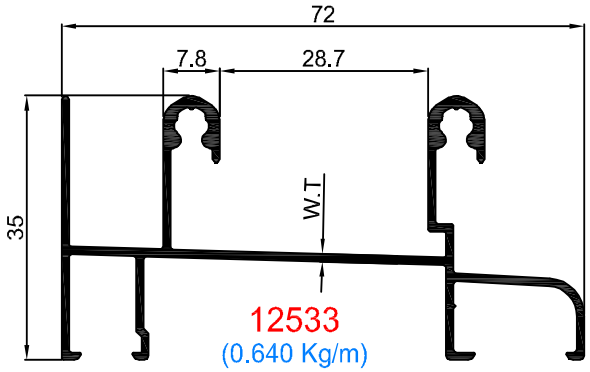
12529
(0.544 Kg/m)
W.T = 1.0 mm



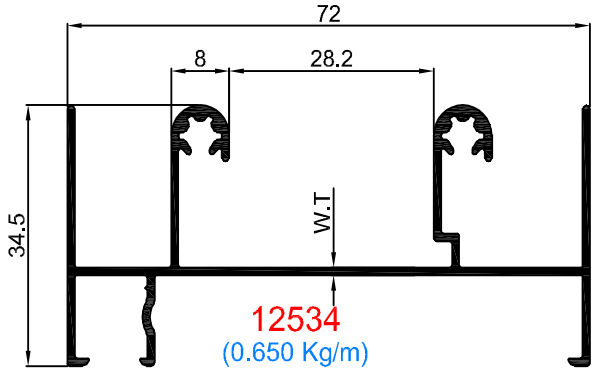
12532
(0.619 Kg/m)
W.T = 1.0 mm



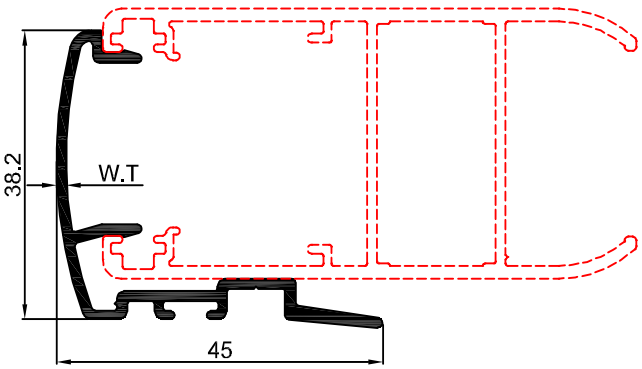
12530
(0.485 Kg/m)
W.T = 1.0 mm



12533
(0.640 Kg/m)
W.T = 1.0 mm

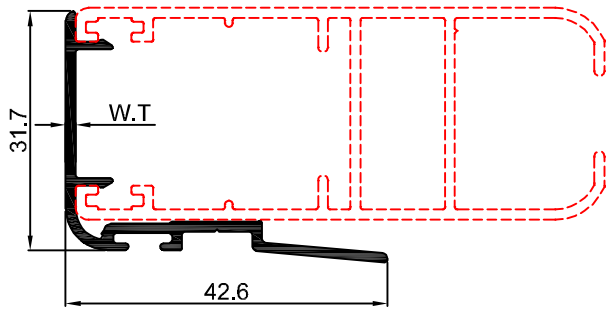


12534
(0.650 Kg/m)
W.T = 1.0 mm

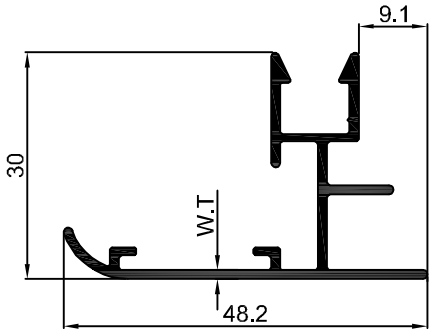


12535
(0.421 Kg/m)
W.T = 1.35 mm

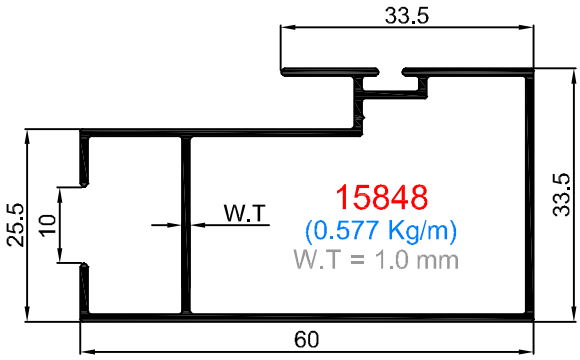
MOROCCO PROFILES



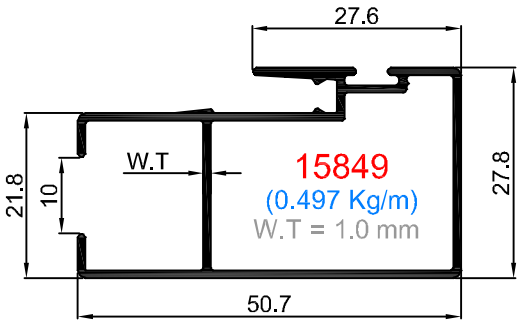
12536
(0.306 Kg/m)
W.T = 1.3 mm



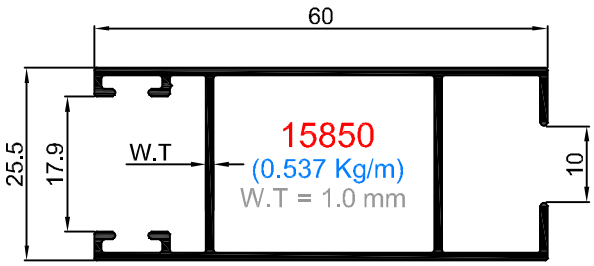
12537
(0.403 Kg/m)
W.T = 1.2 mm



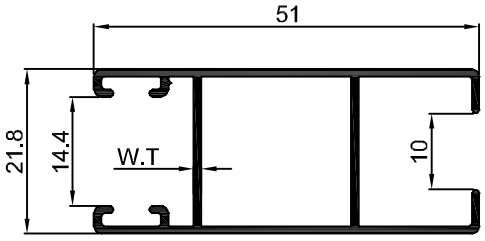
15848
(0.577 Kg/m)
W.T = 1.0 mm



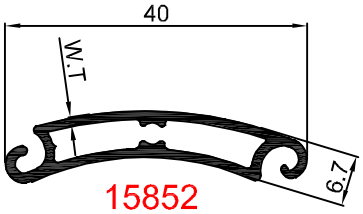
15849
(0.497 Kg/m)
W.T = 1.0 mm



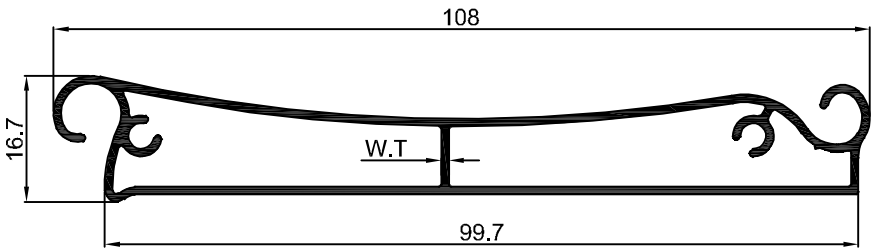
15850
(0.537 Kg/m)
W.T = 1.0 mm



15851
(0.450 Kg/m)
W.T = 1.0 mm

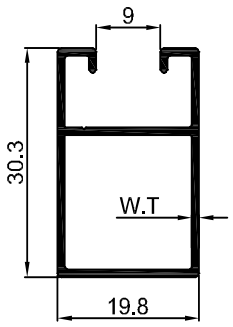


15852
(0.289 Kg/m)
W.T = 1.0 mm

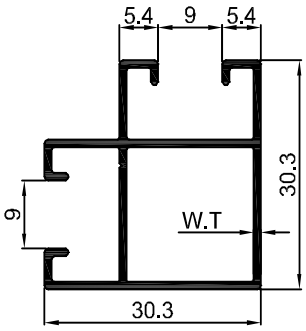


15853
(0.763 Kg/m)
W.T = 1.0 mm

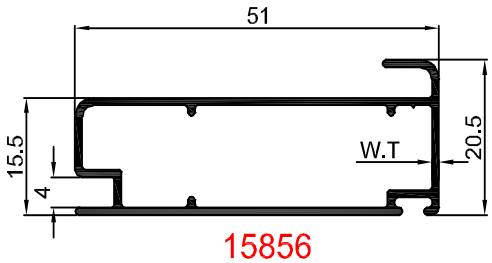
MOROCCO PROFILES



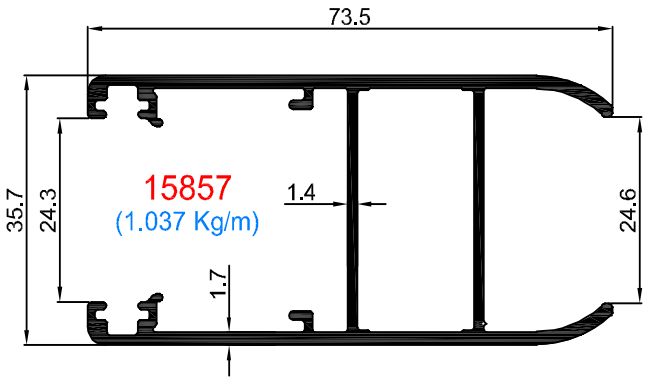
15854
(0.295 Kg/m)
W.T = 1.0 mm

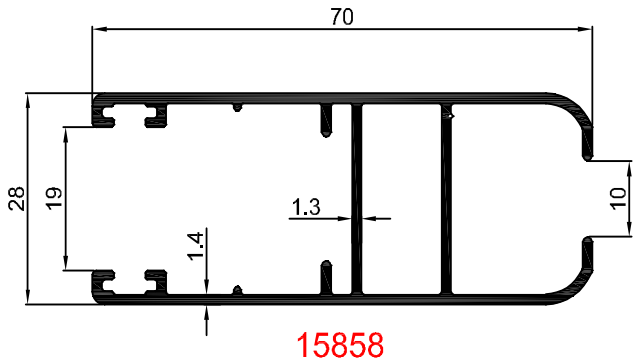


15855
(0.388 Kg/m)
W.T = 1.0 mm

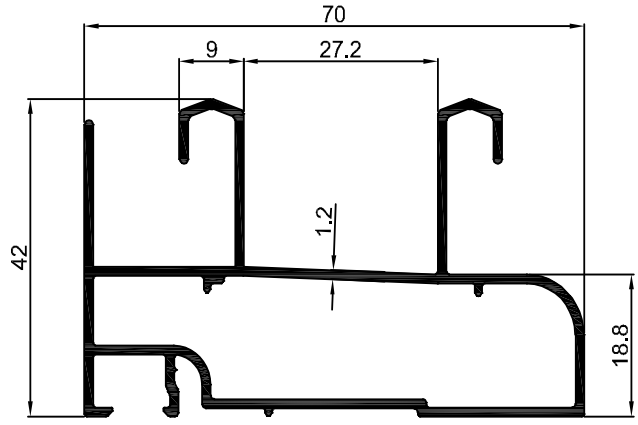


15856
(0.414 Kg/m)
W.T = 1.0 mm

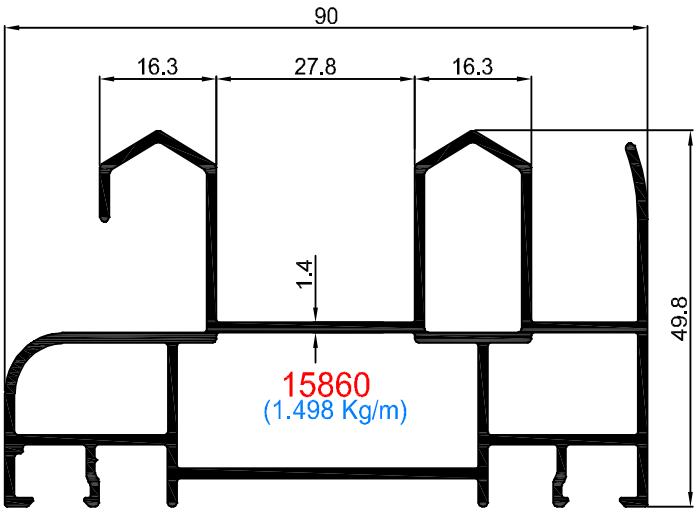




15858
(0.833 Kg/m)



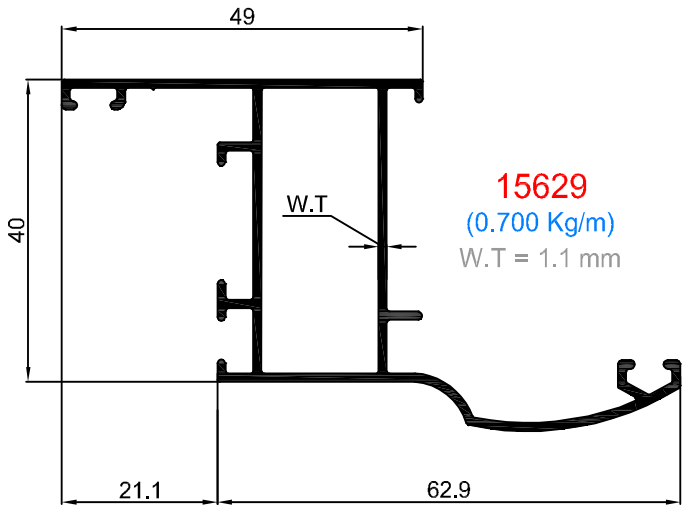
15859
(0.922 Kg/m)



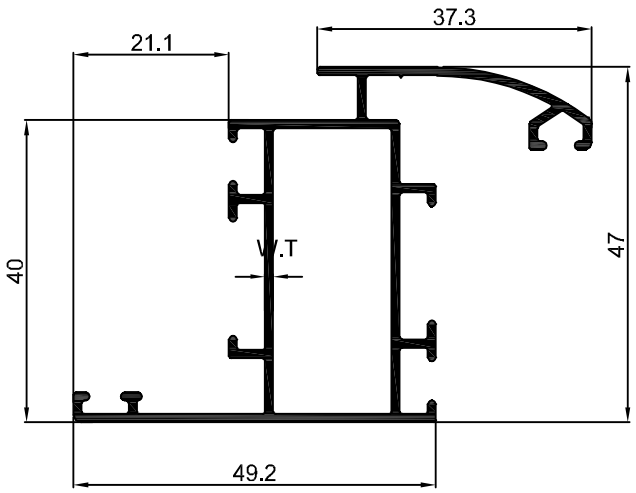
15860
(1.498 Kg/m)

TUNISIA PROFILES

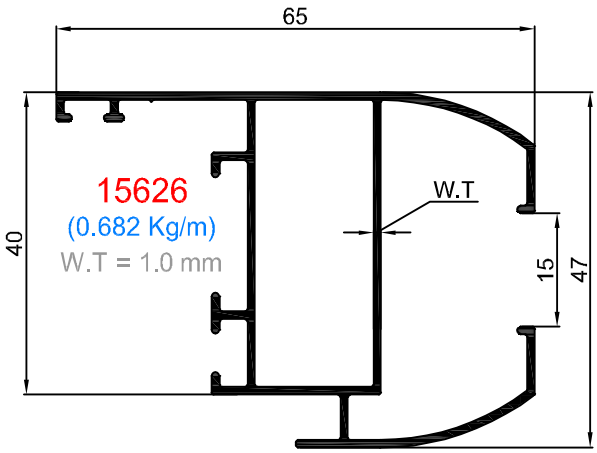
TUNISIA PROFILES



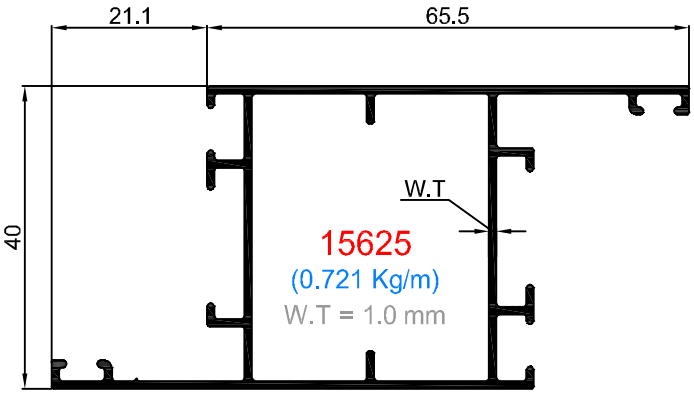
15629
(0.700 Kg/m)
W.T = 1.1 mm



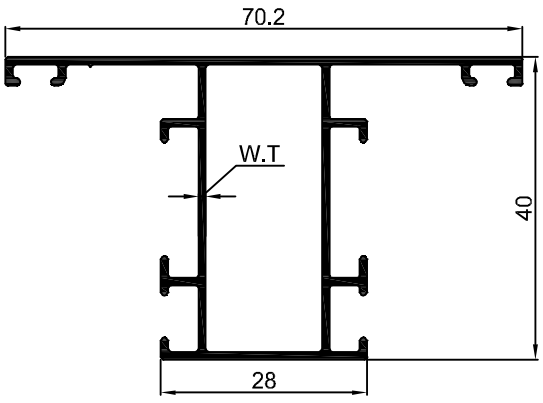
15627
(0.740 Kg/m)
W.T = 1.1 mm



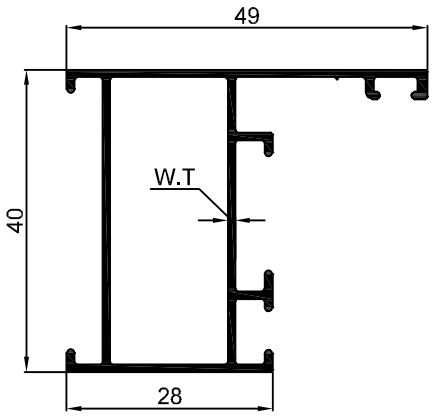
15626
(0.682 Kg/m)
W.T = 1.0 mm



15625
(0.721 Kg/m)
W.T = 1.0 mm

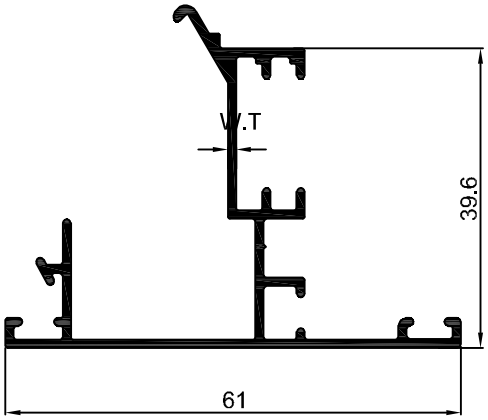


15628
(0.610 Kg/m)
W.T = 1.0 mm

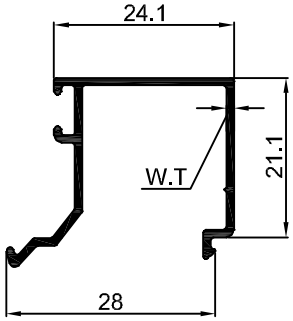


15624
(0.500 Kg/m)
W.T = 1.0 mm

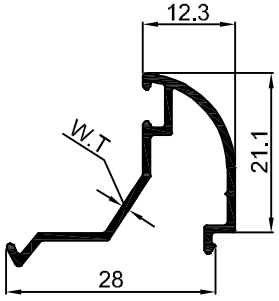
TUNISIA PROFILES



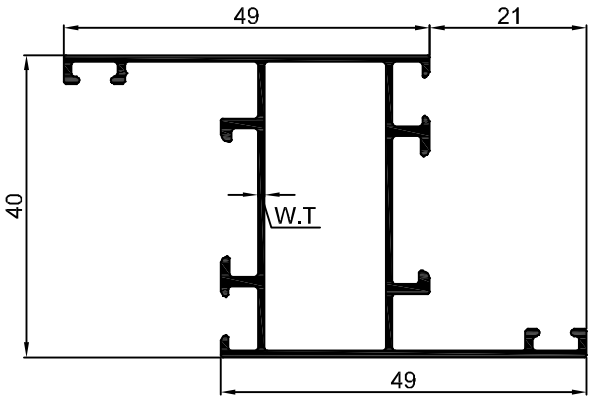
12441
(0.565 Kg/m)
W.T = 1.1 mm



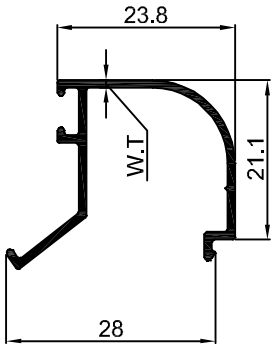
12445
(0.232 Kg/m)
W.T = 1.0 mm



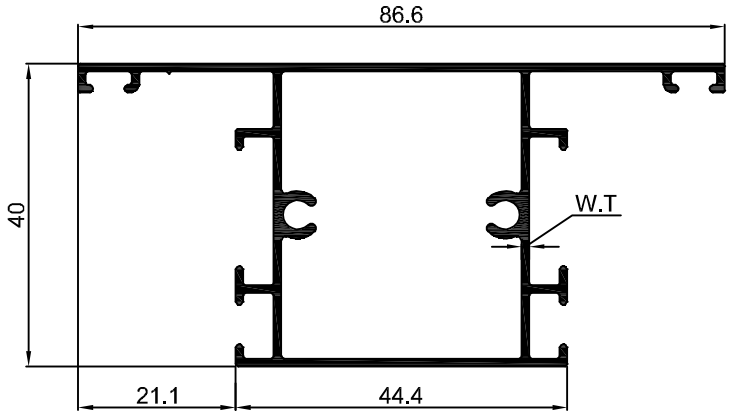
12446
(0.206 Kg/m)
W.T = 1.0 mm



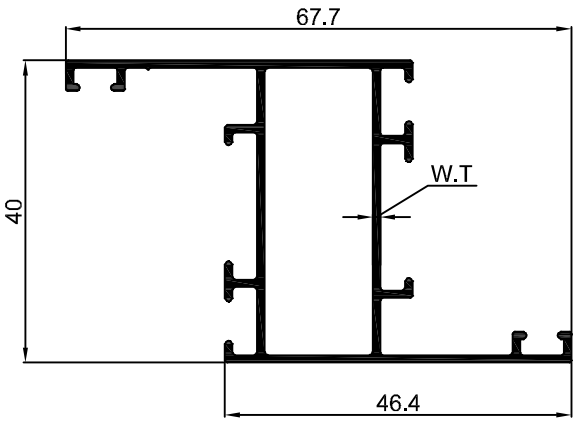
15645
(0.585 Kg/m)
W.T = 0.90 mm



12439
(0.218 Kg/m)
W.T = 1.00 mm

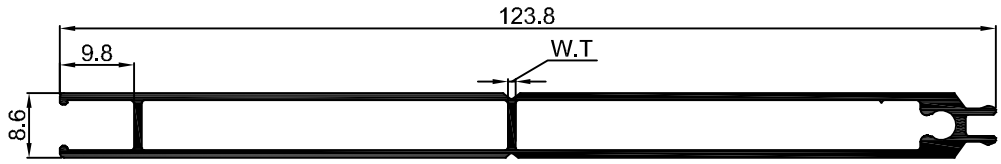


15623
(0.768 Kg/m)
W.T = 1.0 mm

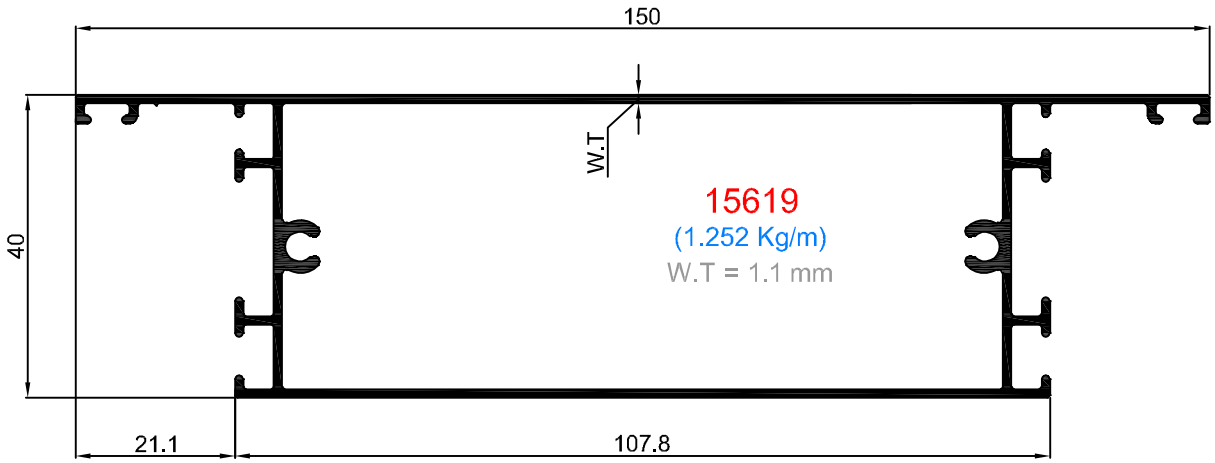


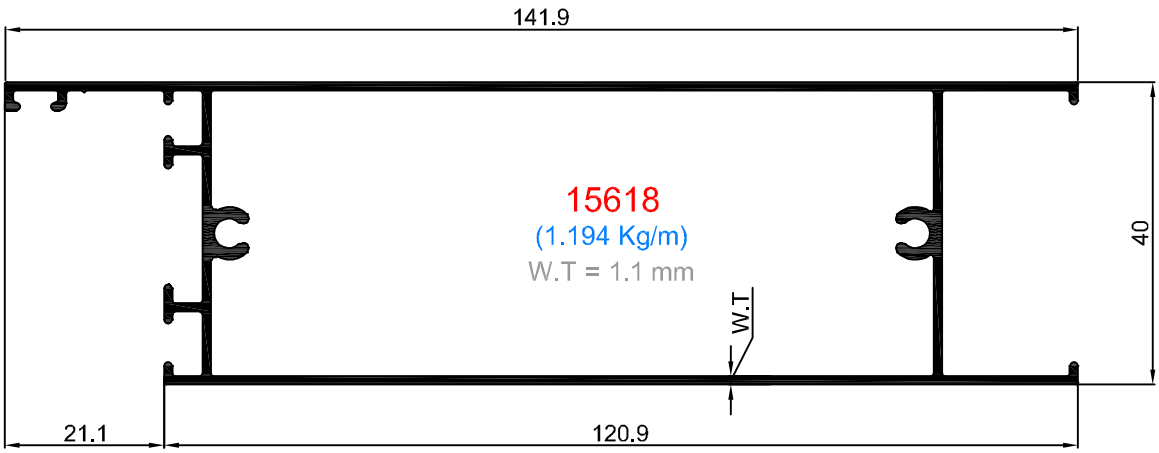
15622
(0.588 Kg/m)
W.T = 1.0 mm

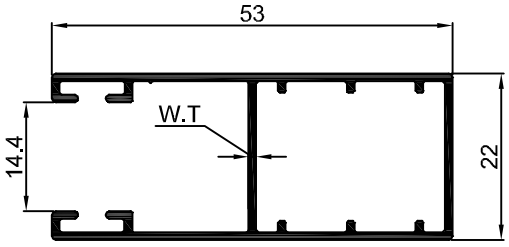
TUNISIA PROFILES



15631
(0.758 Kg/m)
W.T = 1.0 mm

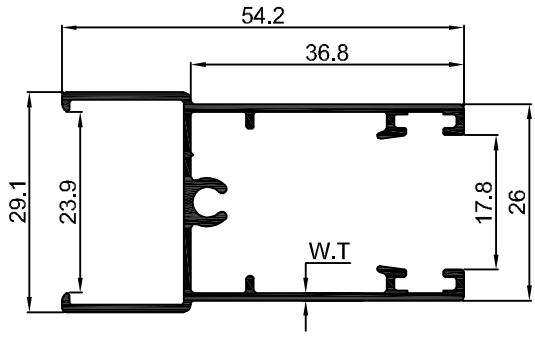




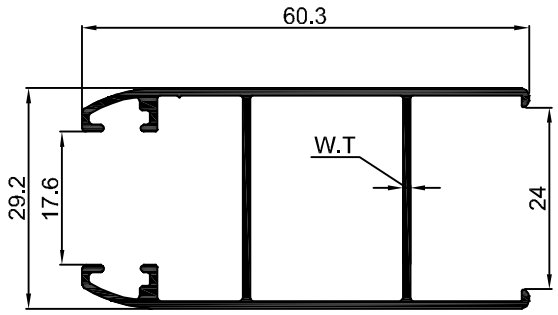


15634
(0.475 Kg/m)
W.T = 1.0 mm

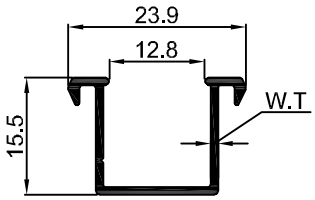
TUNISIA PROFILES



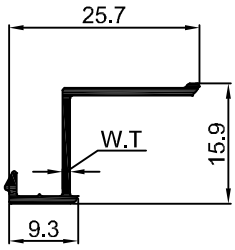
12438
(0.487 Kg/m)
W.T = 1.0 mm



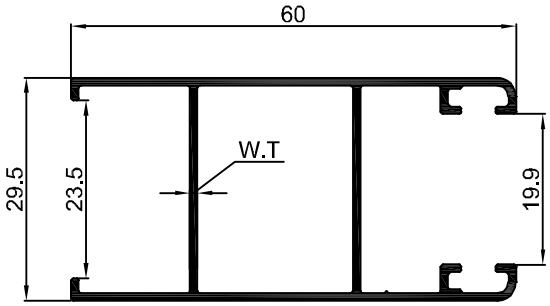
15620
(0.552 Kg/m)
W.T = 1.0 mm



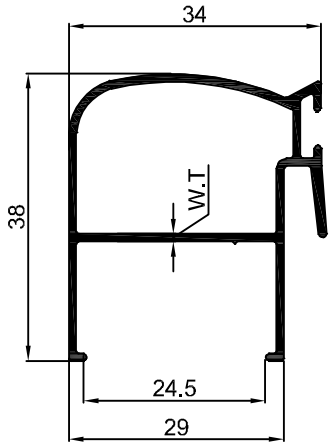
12444
(0.160 Kg/m)
W.T = 1.0 mm



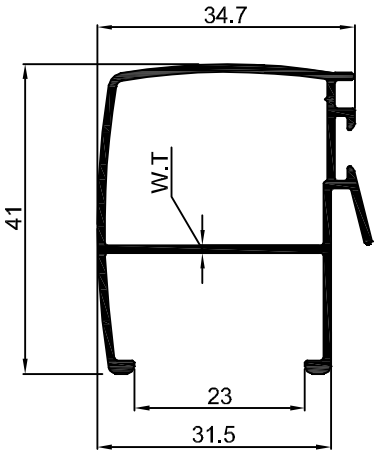
12440
(0.120 Kg/m)
W.T = 1.0 mm



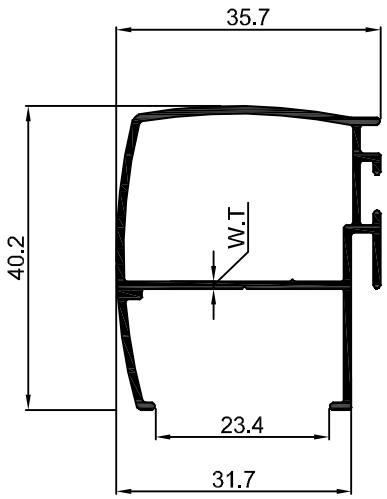
15640
(0.544 Kg/m)
W.T = 1.0 mm



15621
(0.416 Kg/m)
W.T = 1.0 mm

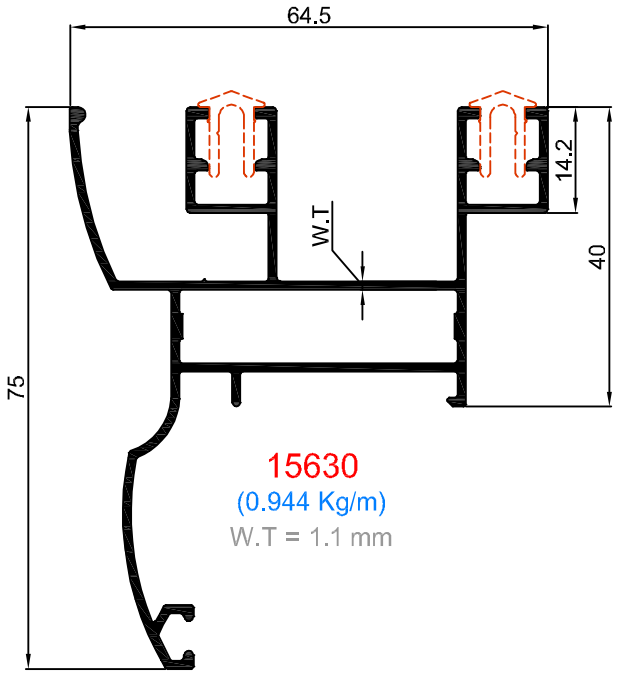


15644
(0.450 Kg/m)
W.T = 1.0 mm

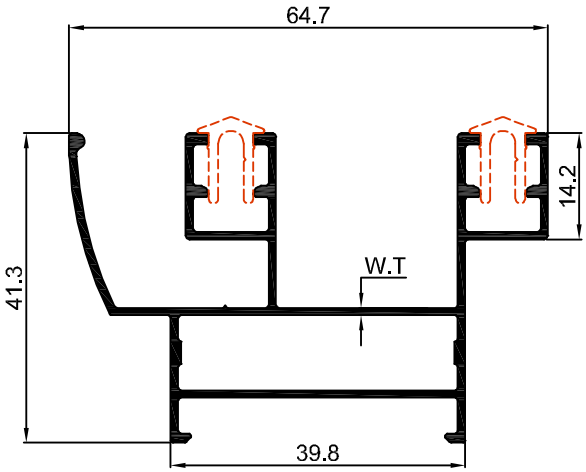


15639
(0.442 Kg/m)
W.T = 1.0 mm

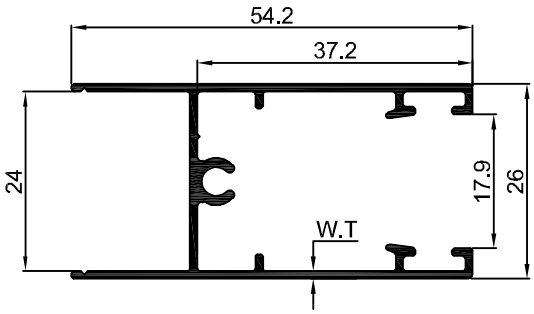
TUNISIA PROFILES



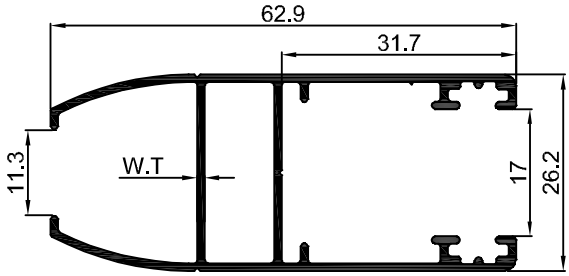
15630
(0.944 Kg/m)
W.T = 1.1 mm



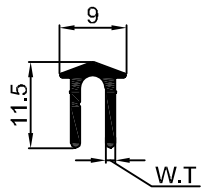
15636
(0.733 Kg/m)
W.T = 1.0 mm



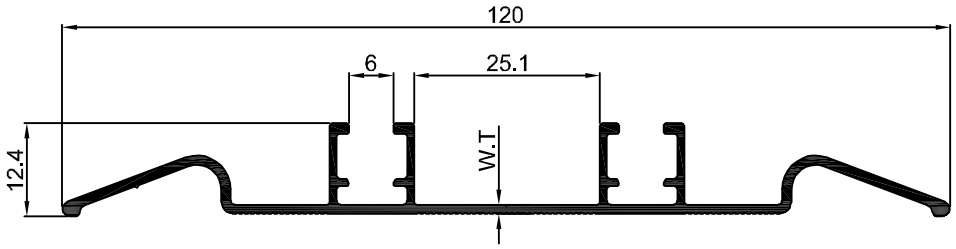
12443
(0.469 Kg/m)
W.T = 1.0 mm



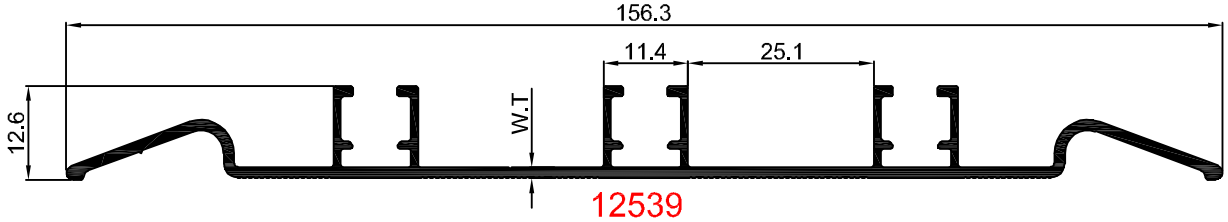
15635
(0.579 Kg/m)
W.T = 1.0 mm



12442
(0.098 Kg/m)
W.T = 1.3 mm

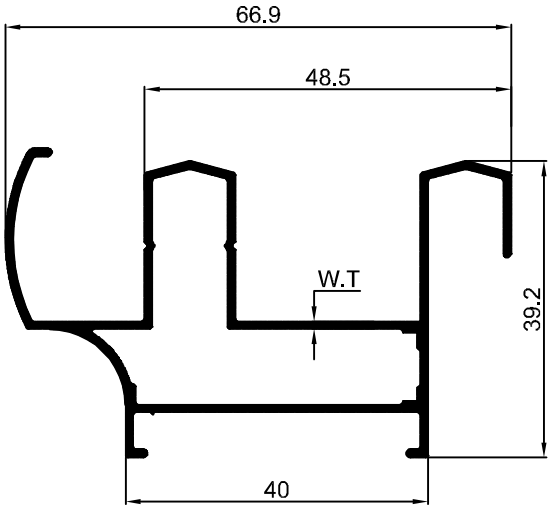


12538
(0.592 Kg/m)
W.T = 1.2 mm

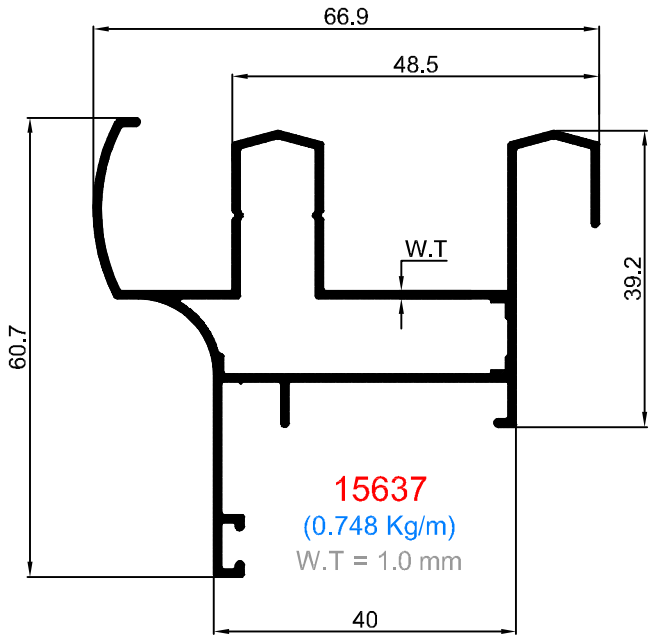


12539
(0.864 Kg/m)
W.T = 1.4 mm

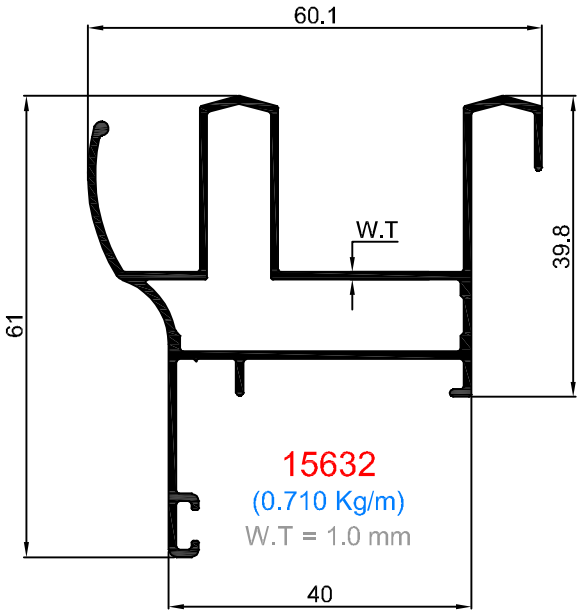
TUNISIA PROFILES



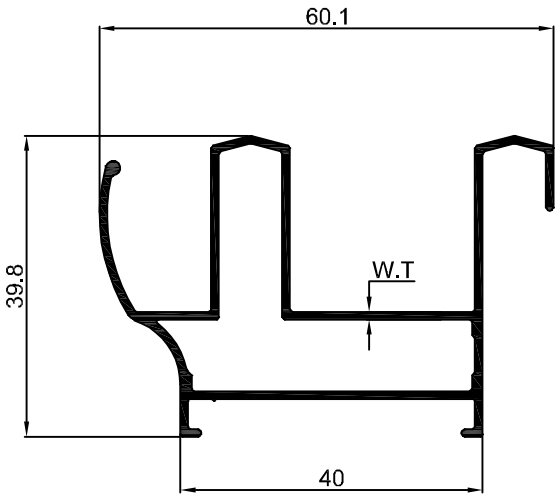
15638
(0.662 Kg/m)
W.T = 1.0 mm



15637
(0.748 Kg/m)
W.T = 1.0 mm

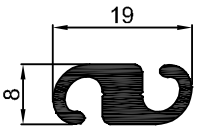


15632
(0.710 Kg/m)
W.T = 1.0 mm

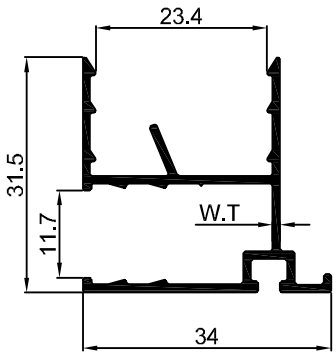


15633
(0.624 Kg/m)
W.T = 1.0 mm

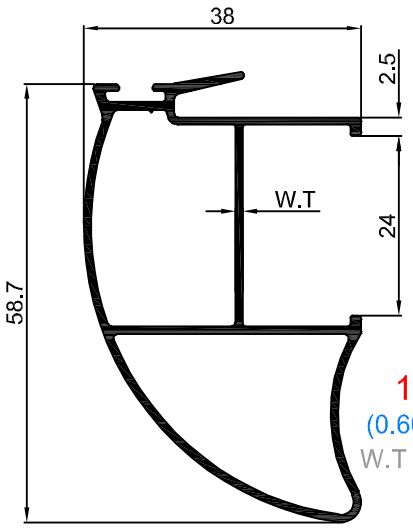
TUNISIA PROFILES



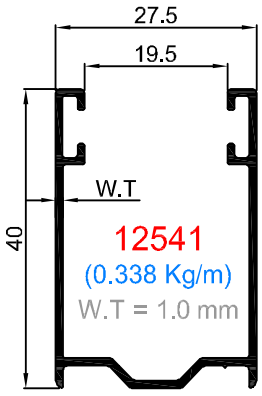
12540
(0.234 Kg/m)
W.T = varies



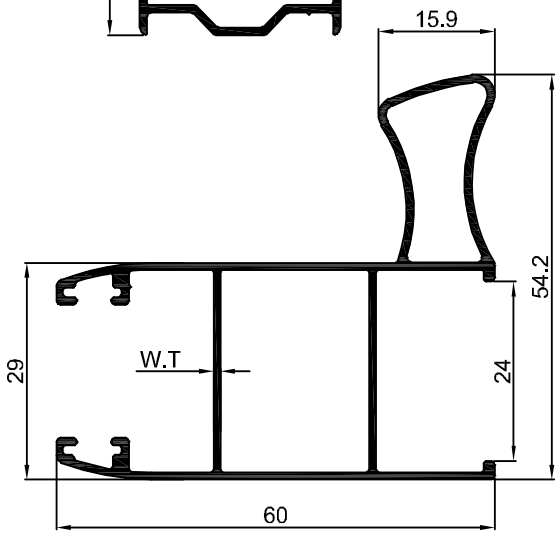
12545
(0.362 Kg/m)
W.T = 1.0 mm



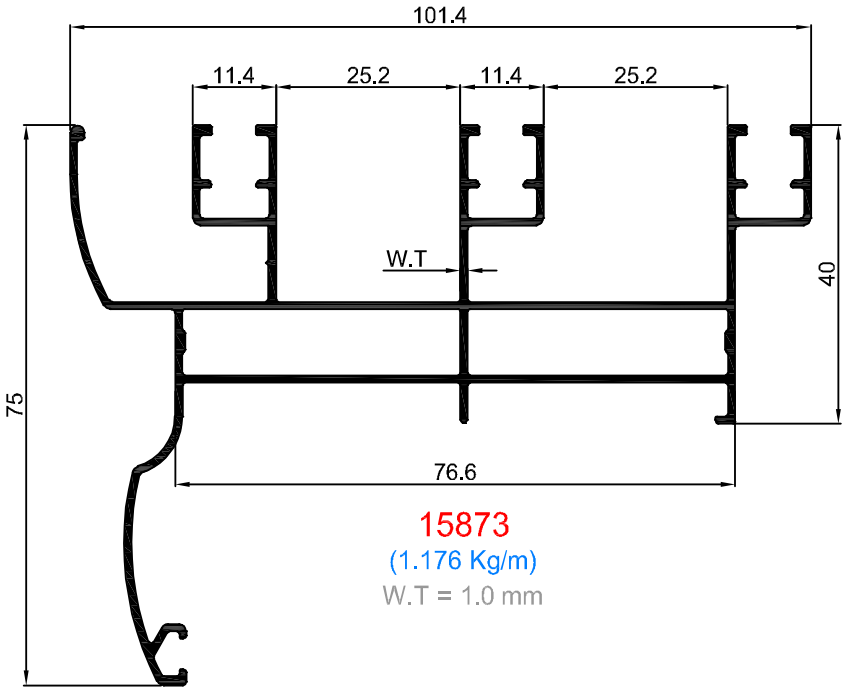
15871
(0.607 Kg/m)
W.T = 1.0 mm



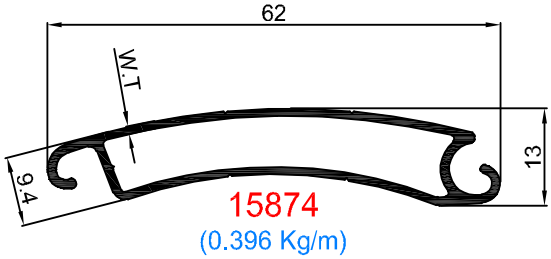
12541
(0.338 Kg/m)
W.T = 1.0 mm



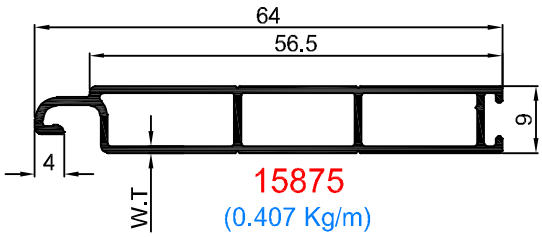
15872
(0.698 Kg/m)
W.T = 1.0 mm



15873
(1.176 Kg/m)
W.T = 1.0 mm

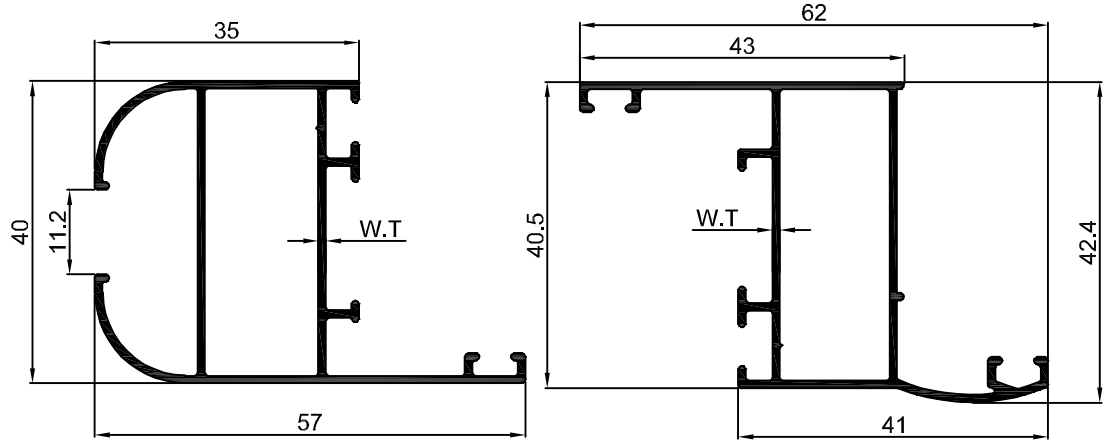


15874
(0.396 Kg/m)
W.T = 1.0 mm



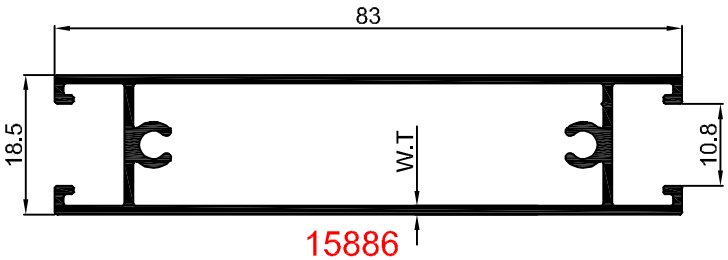
15875
(0.407 Kg/m)
W.T = 1.0 mm

TUNISIA PROFILES



15884
(0.571 Kg/m)
W.T = 1.0 mm

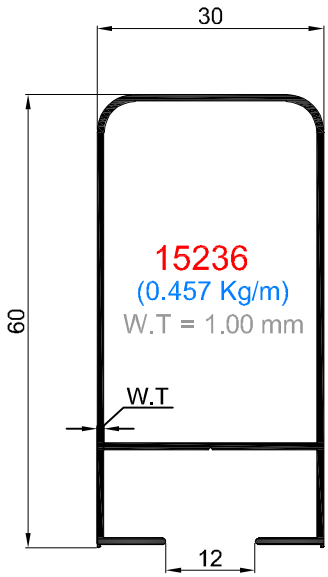
15885
(0.536 Kg/m)
W.T = 1.0 mm



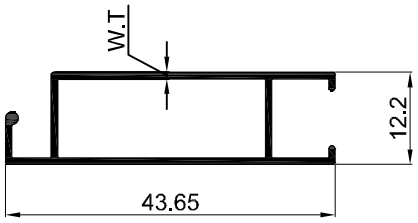
15886
(0.746 Kg/m)
W.T = 1.15 mm

SYRIA PROFILES

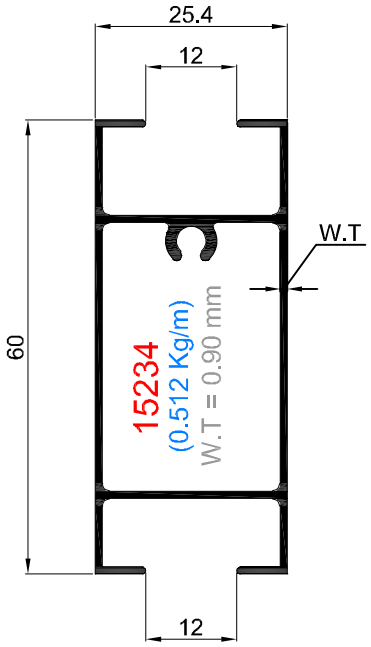
SYRIA PROFILES

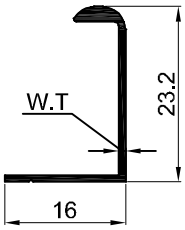


15236
(0.457 Kg/m)
W.T = 1.00 mm

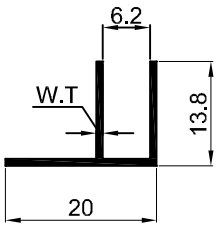


15231
(0.274 Kg/m)
W.T = 0.90 mm

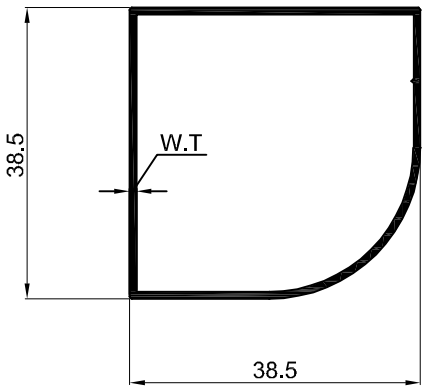




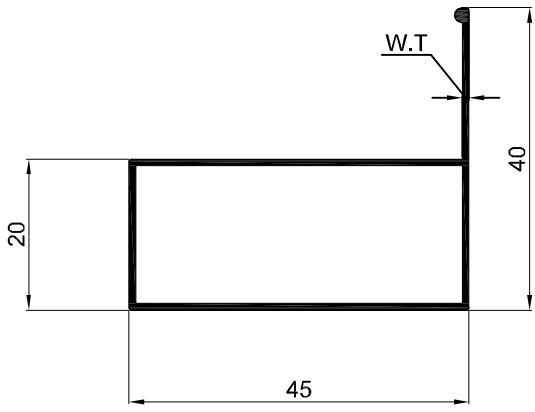
12218
(0.117 Kg/m)
W.T = 0.90 mm



12213
(0.111 Kg/m)
W.T = 0.90 mm

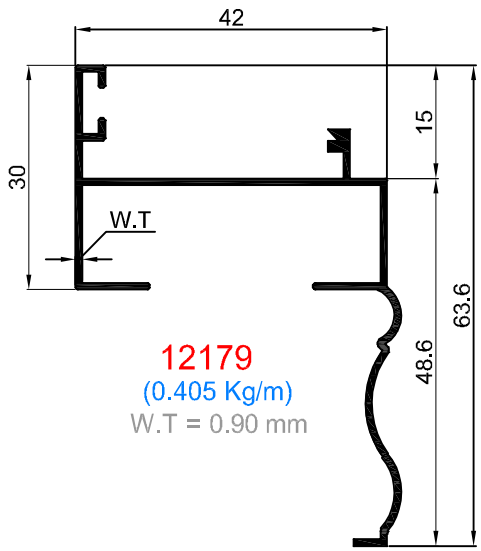


15230
(0.345 Kg/m)
W.T = 0.90 mm

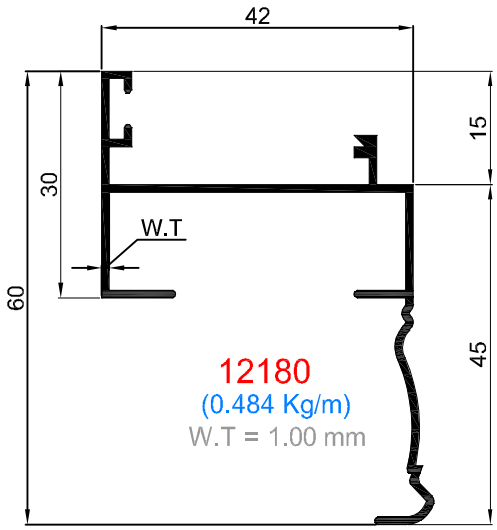


15233
(0.360 Kg/m)
W.T = 0.90 mm

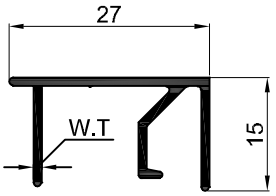
SYRIA PROFILES



12179
(0.405 Kg/m)
W.T = 0.90 mm

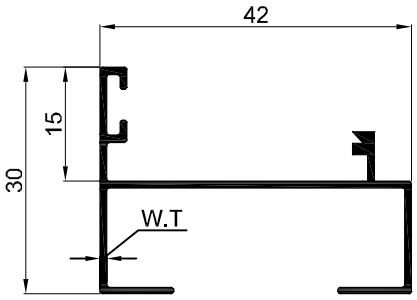


12180
(0.484 Kg/m)
W.T = 1.00 mm

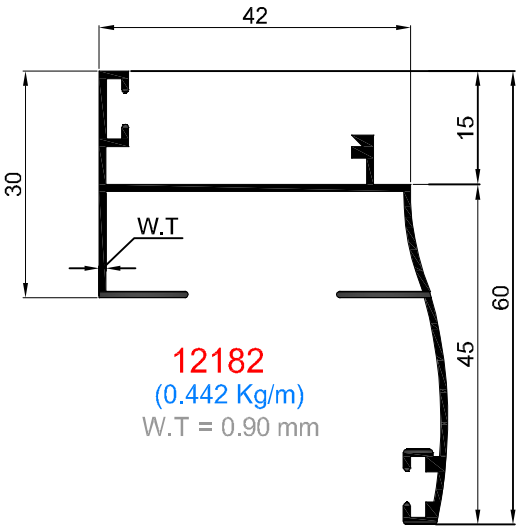


12211
(0.175 Kg/m)
W.T = 0.90 mm

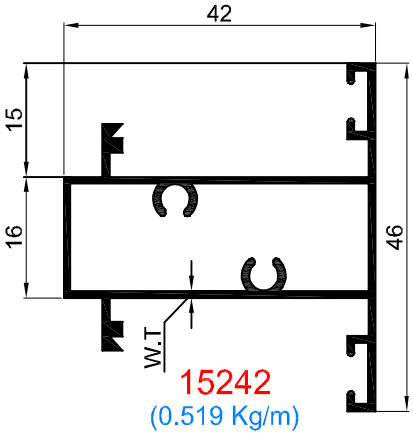
12154
(0.210 Kg/m)
W.T = 1.10 mm



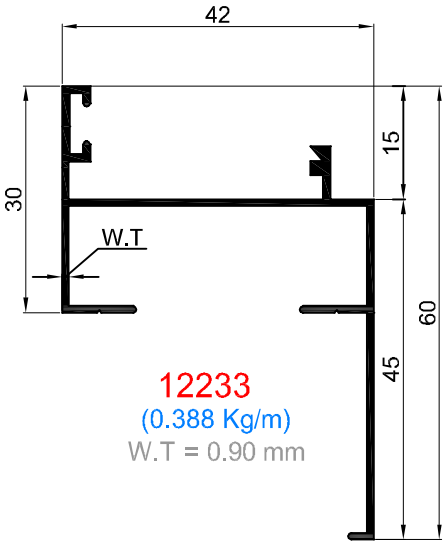
12181
(0.305 Kg/m)
W.T = 0.90 mm



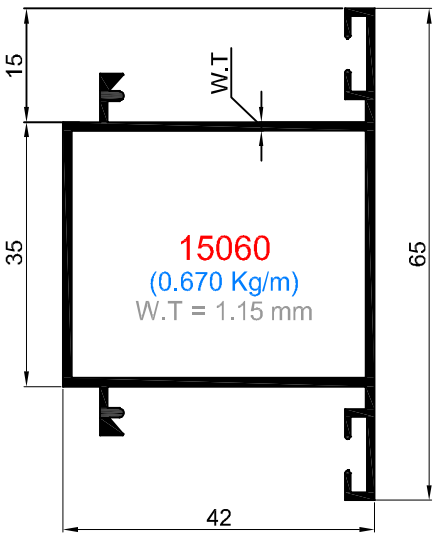
12182
(0.442 Kg/m)
W.T = 0.90 mm



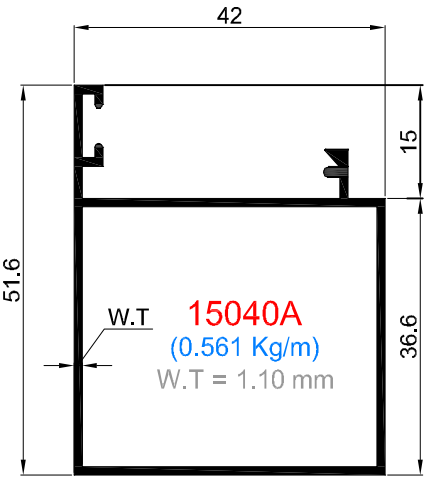
15242
(0.519 Kg/m)
W.T = 0.90 mm



12233
(0.388 Kg/m)
W.T = 0.90 mm

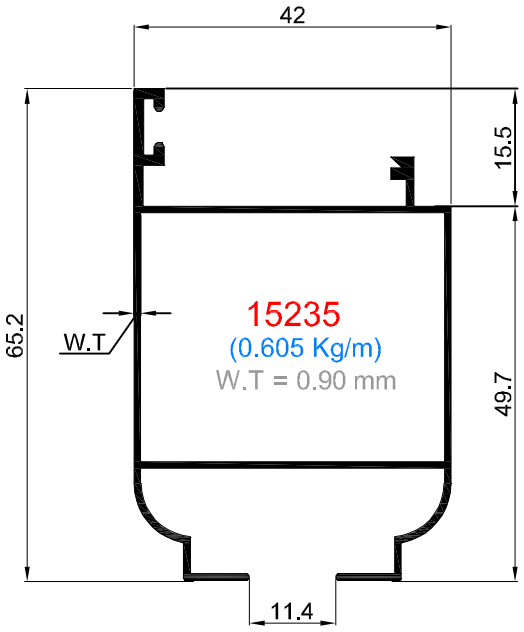


15060
(0.670 Kg/m)
W.T = 1.15 mm

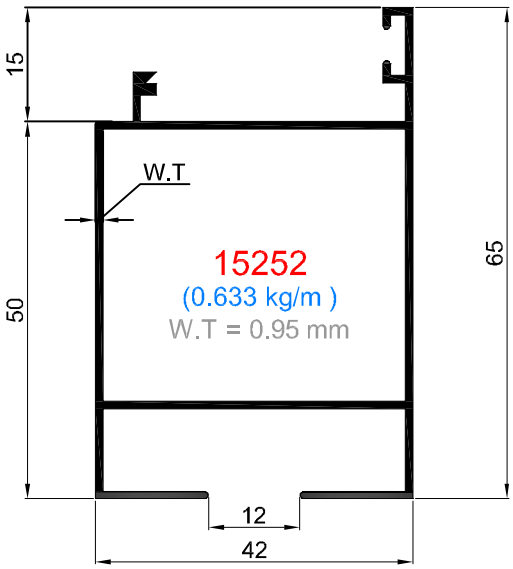


15040A
(0.561 Kg/m)
W.T = 1.10 mm

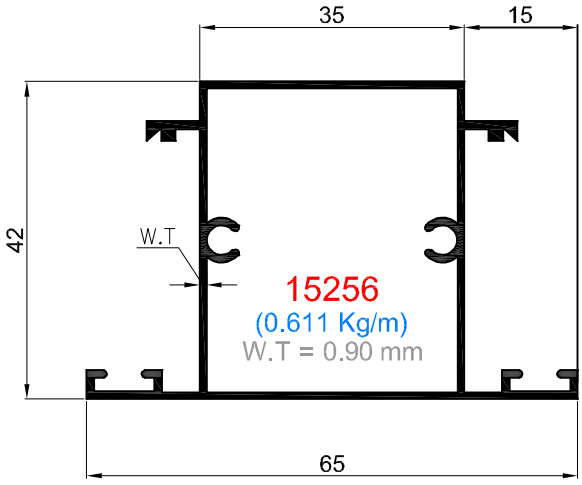
SYRIA PROFILES



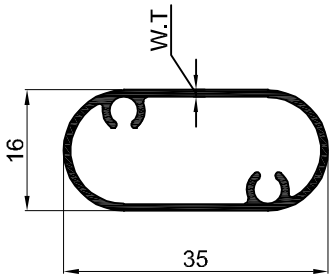
15235
(0.605 Kg/m)
W.T = 0.90 mm



15252
(0.633 kg/m)
W.T = 0.95 mm



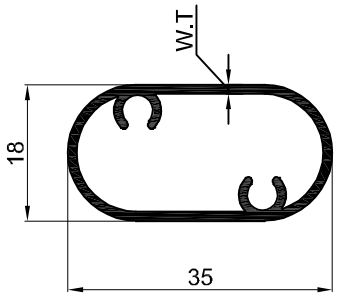
15256
(0.611 Kg/m)
W.T = 0.90 mm



15260
(0.255 Kg/m)
W.T = 0.90 mm



12214
(0.274 Kg/m)
W.T = 0.90 mm

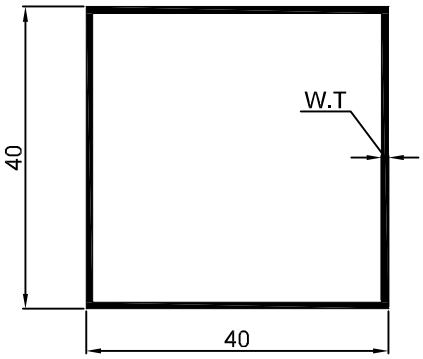


15071
(0.342 Kg/m)
W.T = 1.20 mm

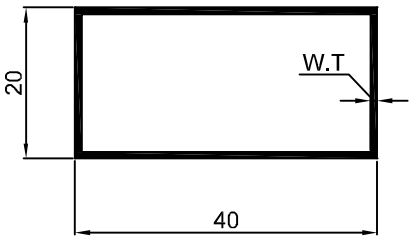
SYRIA PROFILES



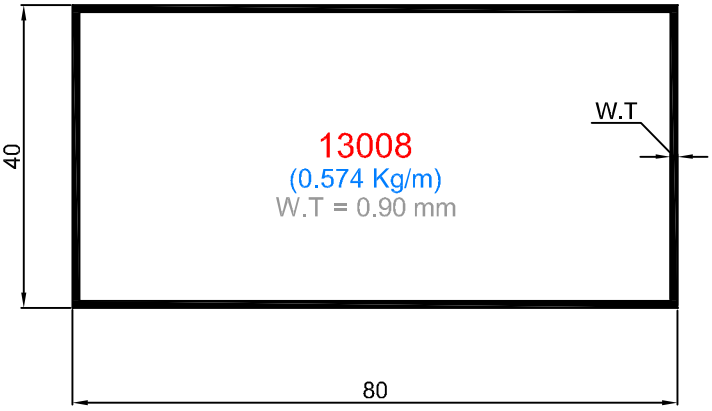
13025
(0.574 Kg/m)
W.T = 0.90 mm



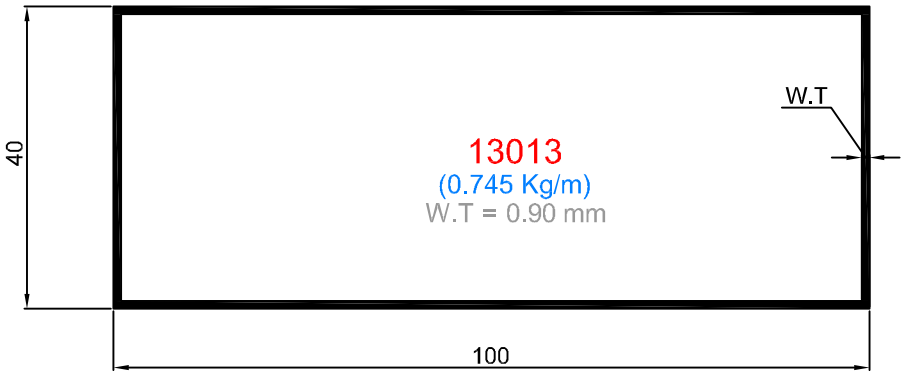
13517
(0.380 Kg/m)
W.T = 0.90 mm



13001
(0.283 Kg/m)
W.T = 0.90 mm



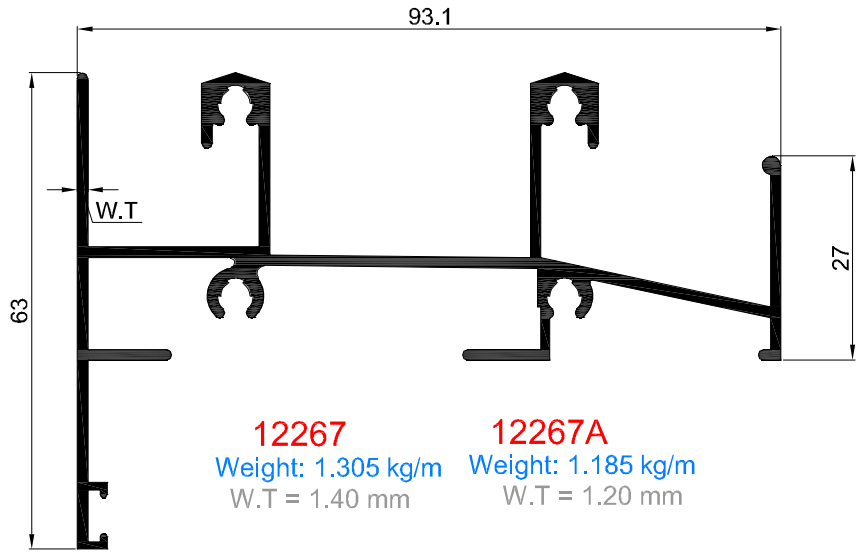
13008
(0.574 Kg/m)
W.T = 0.90 mm



13013
(0.745 Kg/m)
W.T = 0.90 mm

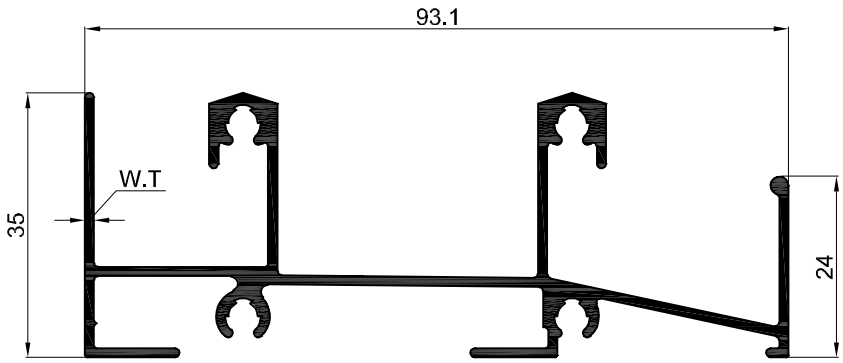
LABANON PROFILES

LEBANON PROFILES

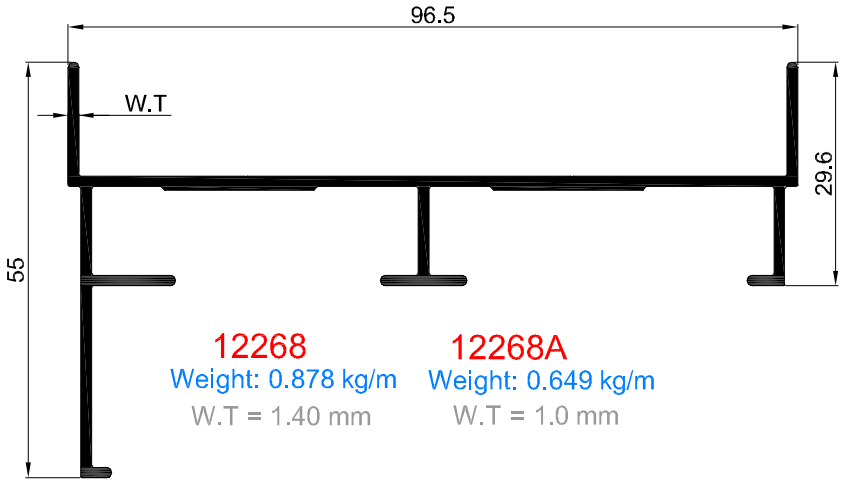


12267
Weight: 1.305 kg/m
W.T = 1.40 mm

12267A
Weight: 1.185 kg/m
W.T = 1.20 mm



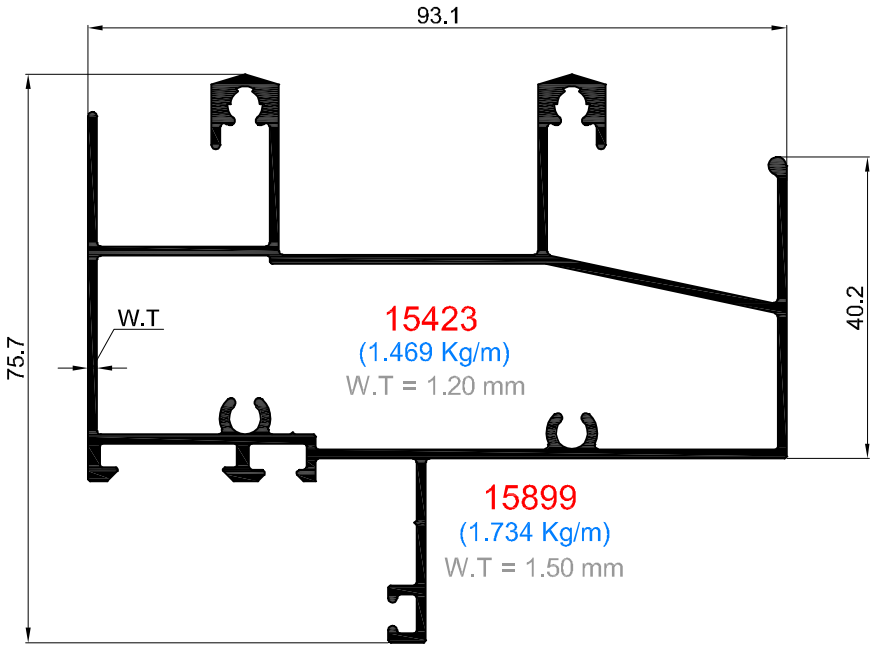
12309
(1.048 Kg/m)
W.T = 1.20 mm



12268
Weight: 0.878 kg/m
W.T = 1.40 mm

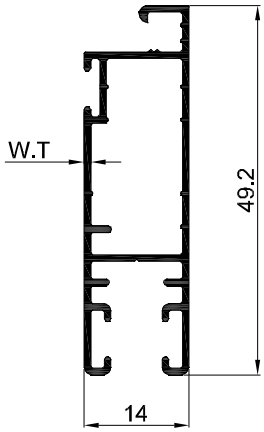
12268A
Weight: 0.649 kg/m
W.T = 1.0 mm

LEBANON PROFILES

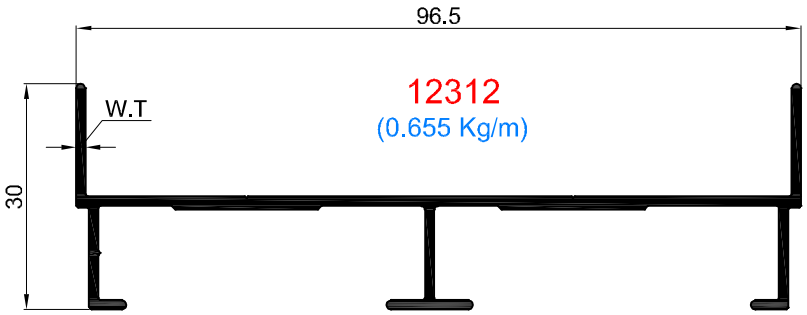


15423
(1.469 Kg/m)
W.T = 1.20 mm

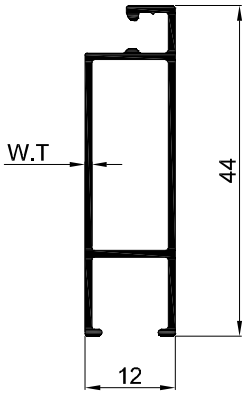
15899
(1.734 Kg/m)
W.T = 1.50 mm



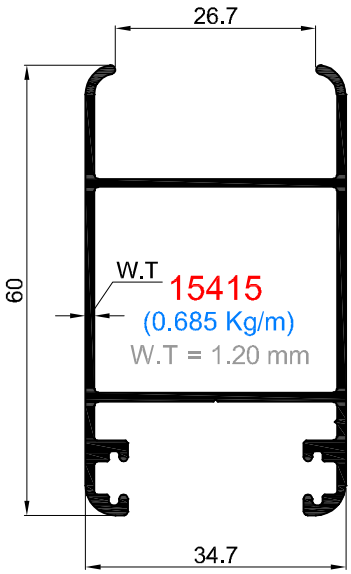
15359
(0.372 Kg/m)
W.T = 0.90 mm



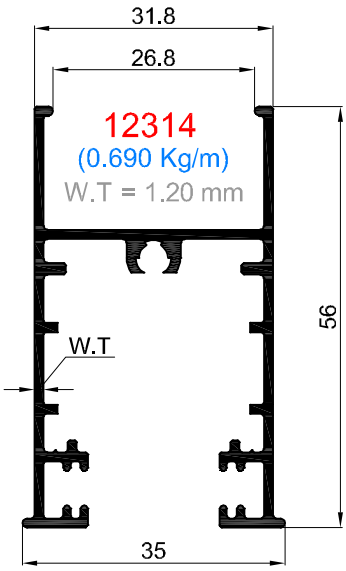
12312
(0.655 Kg/m)



15181
(0.275 Kg/m)
W.T = 0.90 mm

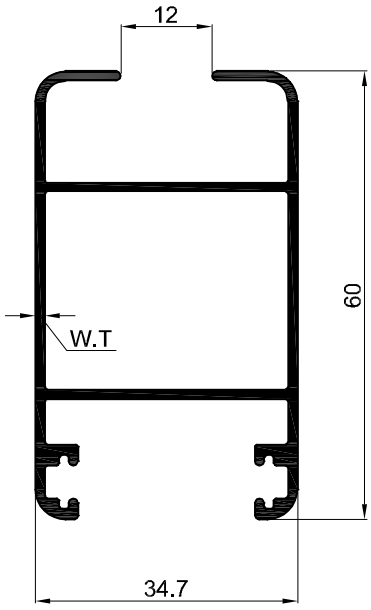


15415
(0.685 Kg/m)
W.T = 1.20 mm



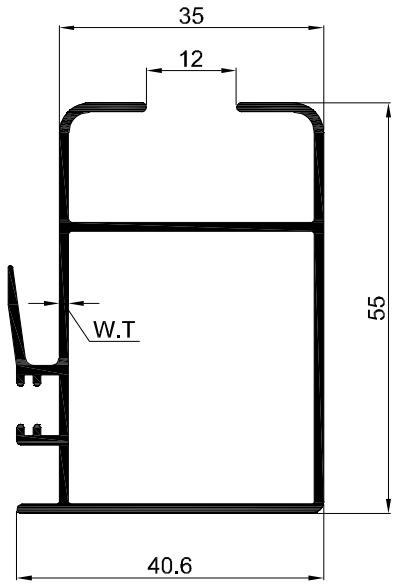
12314
(0.690 Kg/m)
W.T = 1.20 mm

LEBANON PROFILES



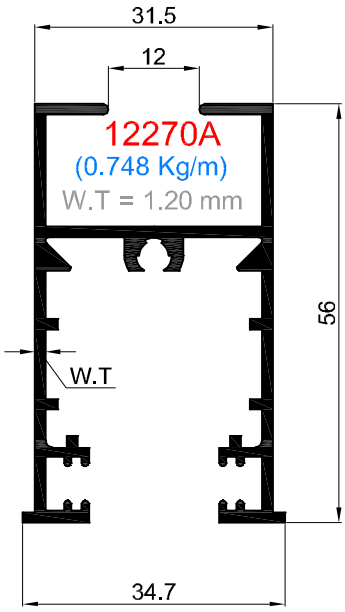
15381
(0.760 Kg/m)
W.T = 1.25 mm

15900
(0.890 Kg/m)
W.T = 1.5 mm



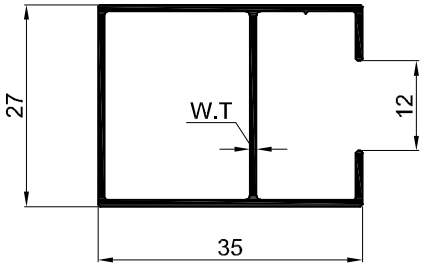
15382
(0.762 Kg/m)
W.T = 1.25 mm

15901
(0.899 Kg/m)
W.T = 1.50 mm

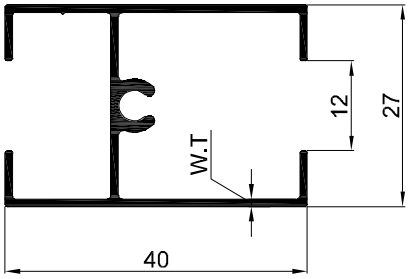


12290
(0.779 Kg/m)
W.T = 1.25 mm

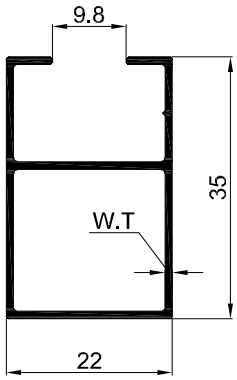
12270
(0.848 kg/m)
W.T = 1.40 mm



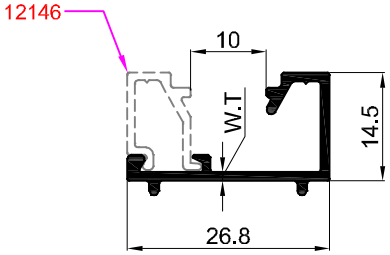
15421
(0.325 Kg/m)
W.T = 0.90 mm



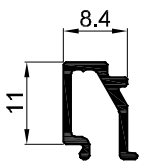
12144
(0.397 Kg/m)
W.T = 1.0 mm



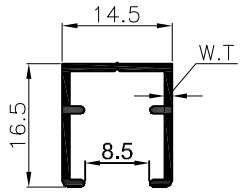
15146
(0.325 Kg/m)
W.T = 1.0 mm



12145
(0.201 Kg/m)
W.T = 1.20 mm

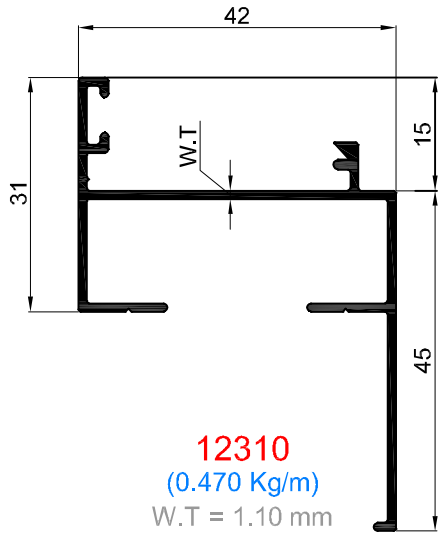


12146
(0.103 Kg/m)
W.T = 1.0 mm

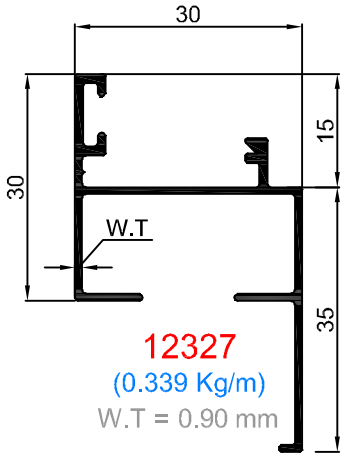


12269
(0.142 Kg/m)
W.T = 1.0 mm

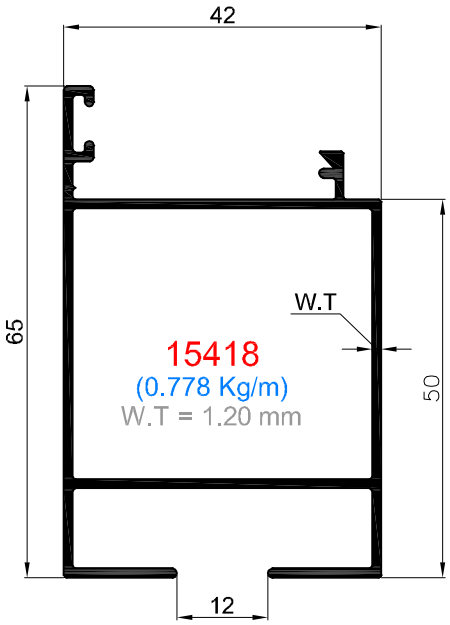
LEBANON PROFILES



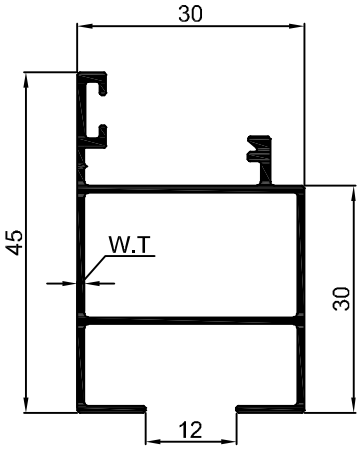
12310
(0.470 Kg/m)
W.T = 1.10 mm



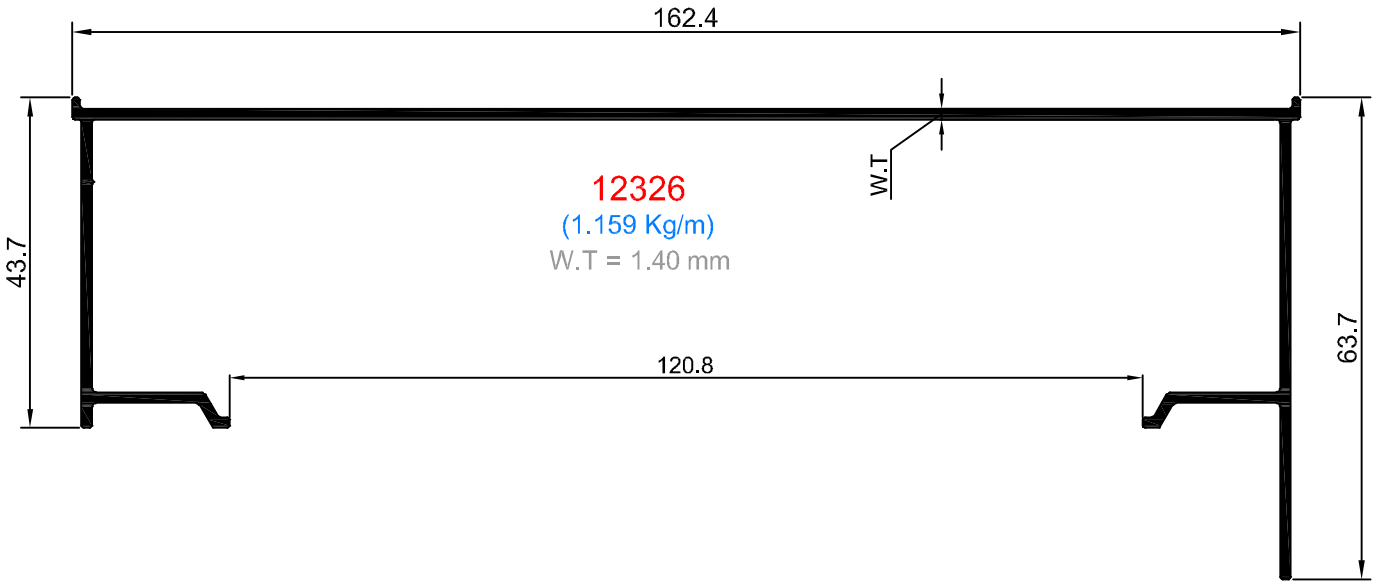
12327
(0.339 Kg/m)
W.T = 0.90 mm



15418
(0.778 Kg/m)
W.T = 1.20 mm

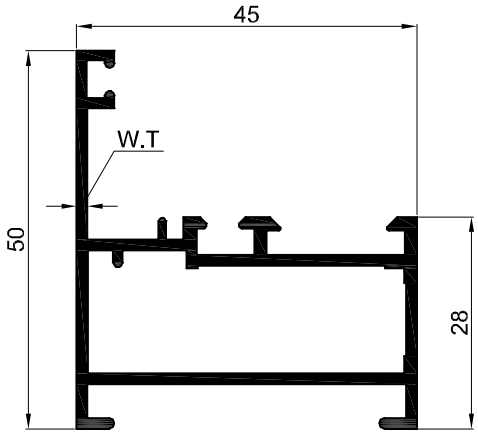


15440
(0.425 Kg/m)
W.T = 0.90 mm

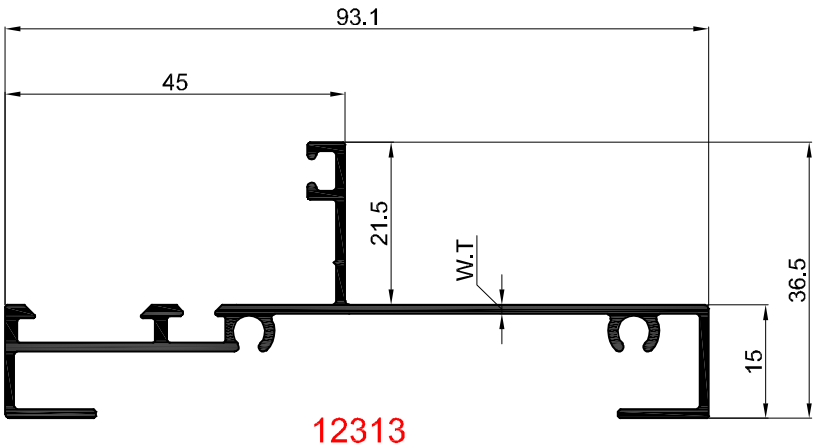


12326
(1.159 Kg/m)
W.T = 1.40 mm

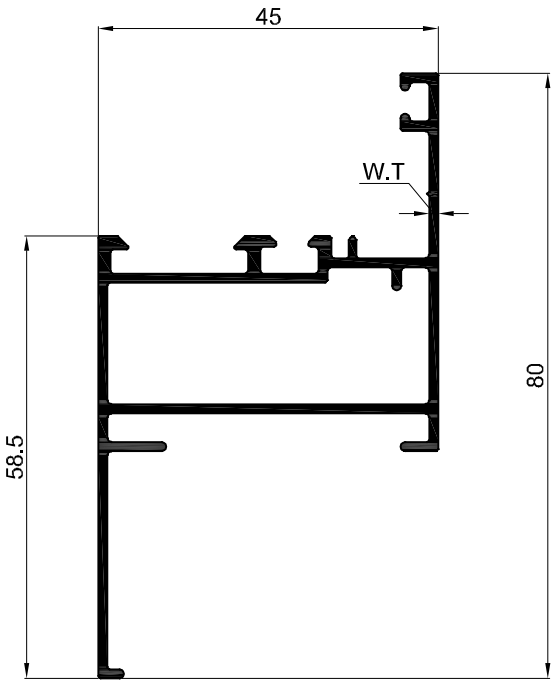
LEBANON PROFILES



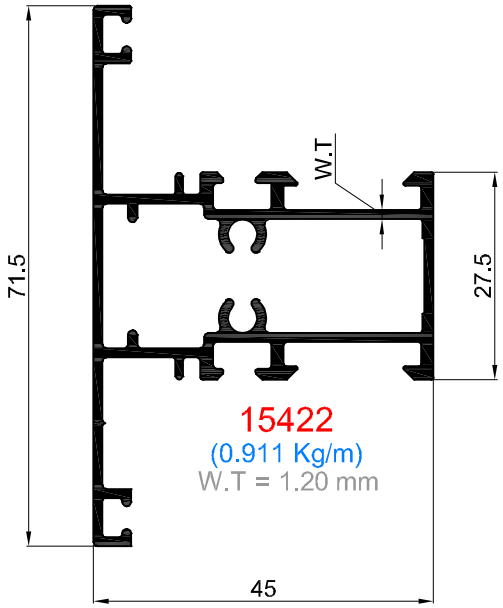
15420
(0.673 Kg/m)
W.T = 1.20 mm



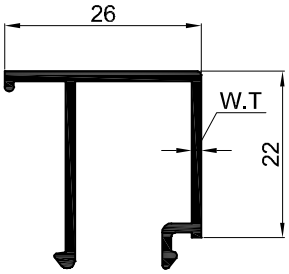
12313
(0.692 Kg/m)
W.T = 1.20 mm



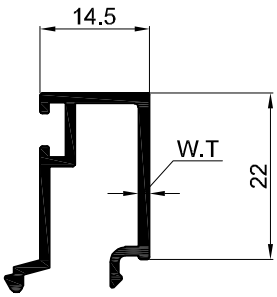
15419
(0.796 Kg/m)
W.T = 1.20 mm



15422
(0.911 Kg/m)
W.T = 1.20 mm

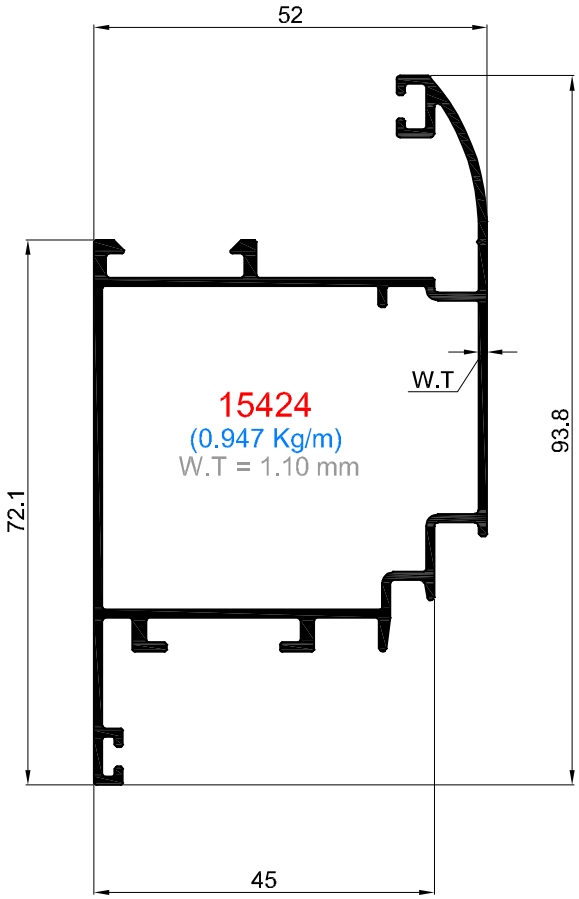


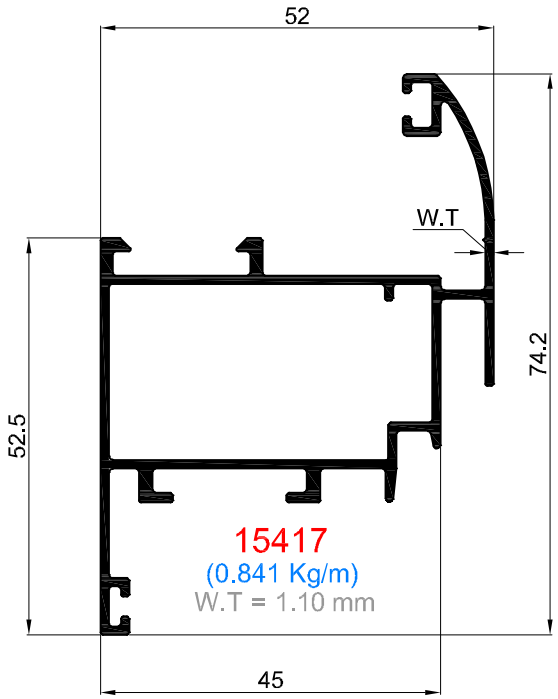
12311
(0.231 Kg/m)
W.T = 1.0 mm

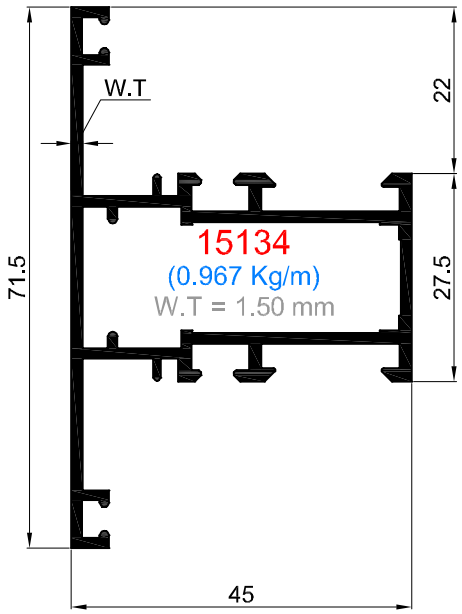


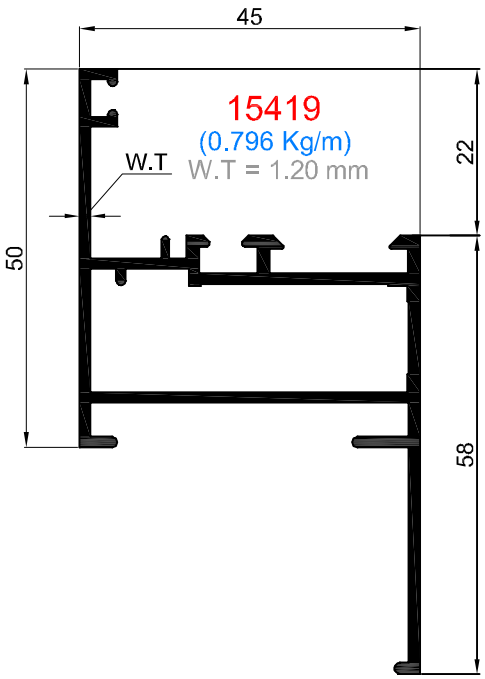
12308
(0.216 Kg/m)
W.T = 1.0 mm

LEBANON PROFILES

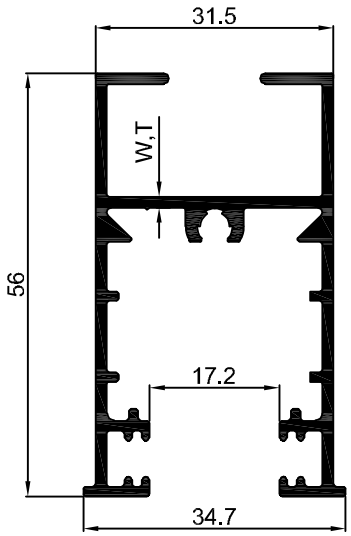




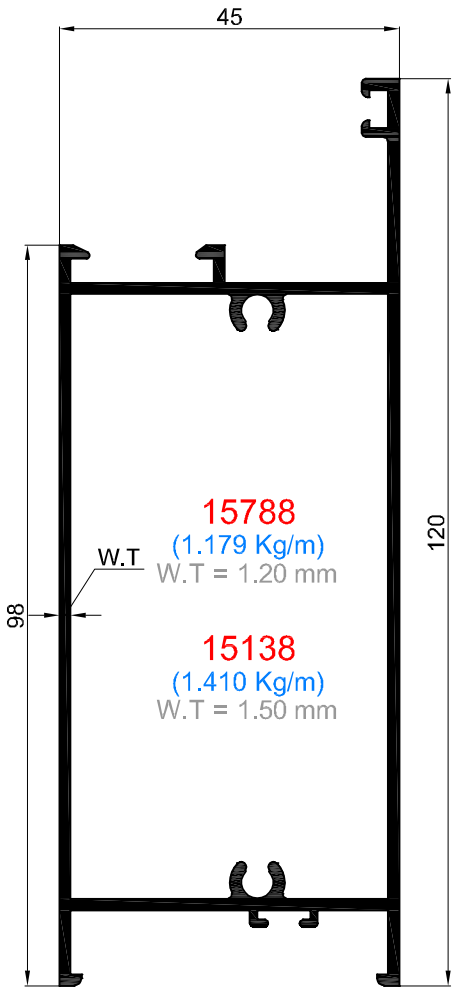




LEBANON PROFILES

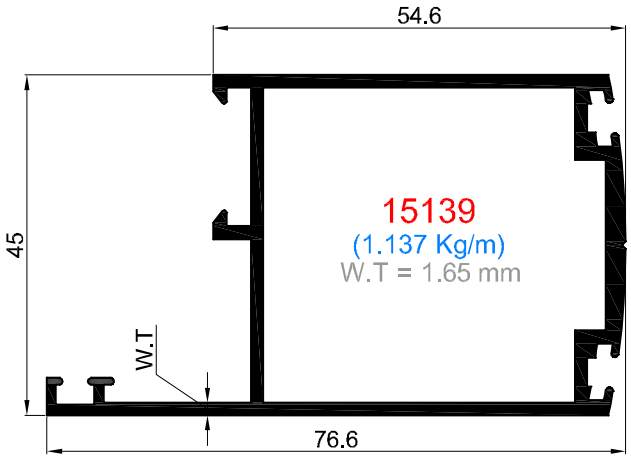


12551
(0.855 Kg/m)
W.T = 1.50 mm

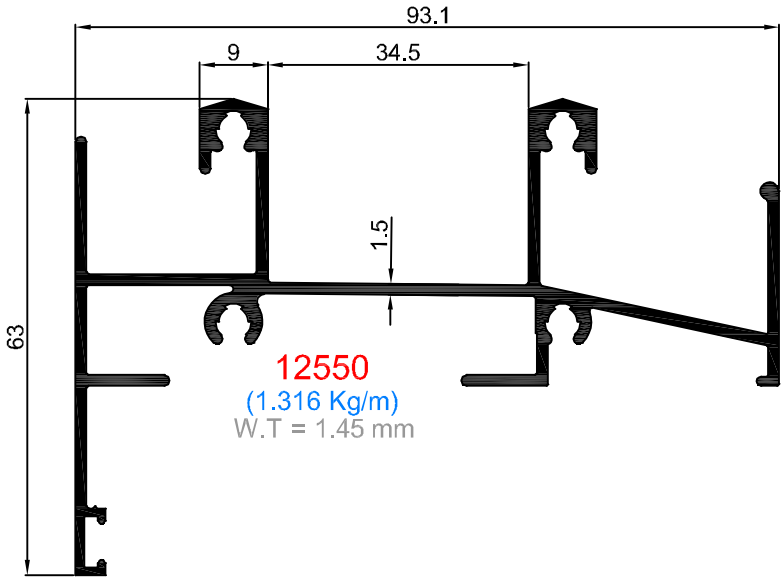


15788
(1.179 Kg/m)
W.T = 1.20 mm

15138
(1.410 Kg/m)
W.T = 1.50 mm



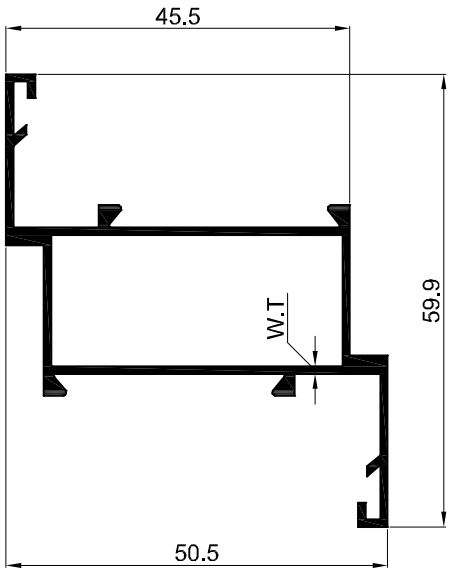
15139
(1.137 Kg/m)
W.T = 1.65 mm



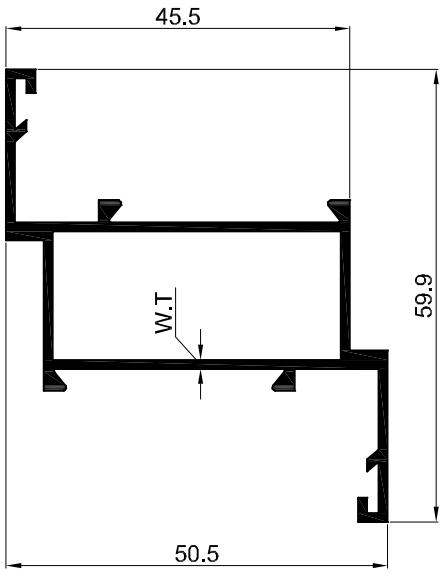
12550
(1.316 Kg/m)
W.T = 1.45 mm

IRAQ PROFILES

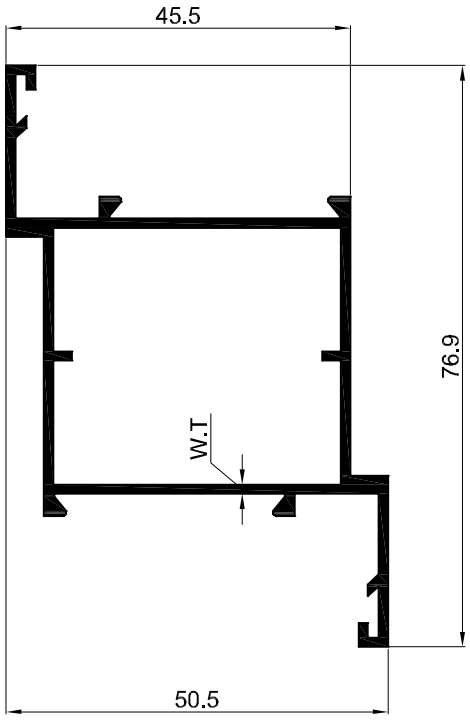
IRAQ PROFILES



18442
(0.632 Kg/m)
W.T = 1.1 mm

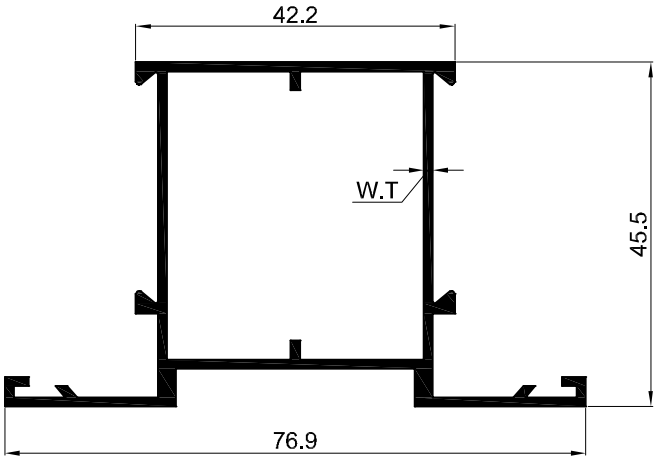


18317J
(0.728 Kg/m)
W.T = 1.30 mm

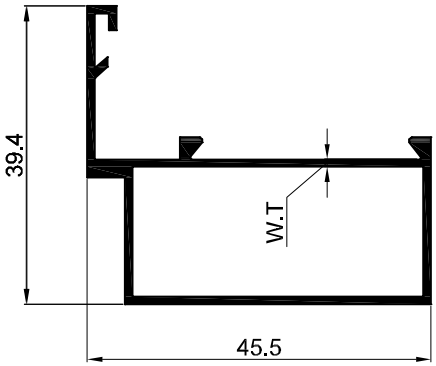


18321B	18321A	18321	18321J
(0.647 Kg/m)	(0.747 Kg/m)	(0.808 Kg/m)	(0.864 Kg/m)
W.T = 0.90 mm	W.T = 1.1 mm	W.T = 1.20 mm	W.T = 1.30 mm

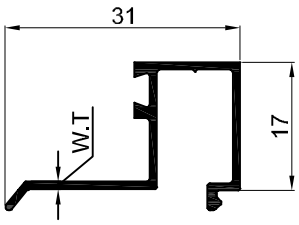
IRAQ PROFILES



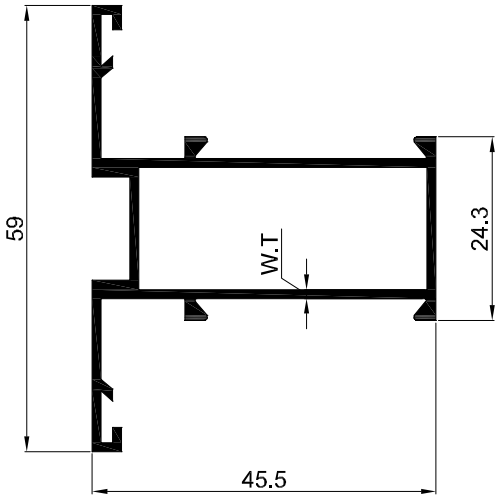
18322B	18322A	15468	18322	18322J
(0.647 Kg/m)	(0.702 Kg/m)	(0.747 Kg/m)	(0.808 Kg/m)	(0.864 Kg/m)
W.T = 0.90 mm	W.T = 1.0 mm	W.T = 1.10 mm	W.T = 1.20 mm	W.T = 1.30 mm



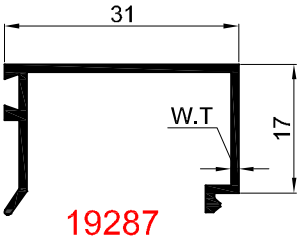
18320	18320J
(0.525 Kg/m)	(0.564 Kg/m)
W.T = 1.20 mm	W.T = 1.30 mm



12320
(0.211 Kg/m)
W.T = 1.0 mm

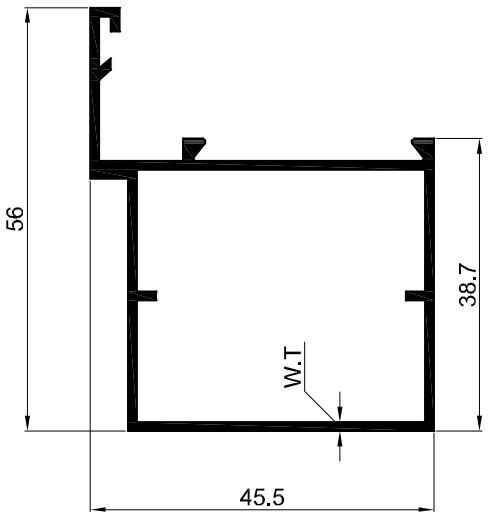


18318J
(0.722 Kg/m)
W.T = 1.30 mm

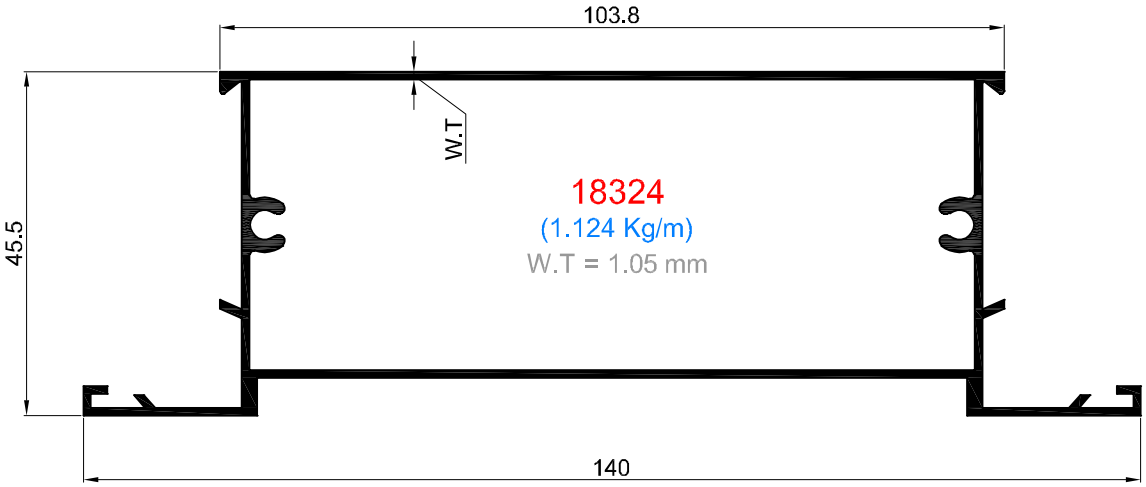


19287
(0.212 Kg/m)
W.T = 1.0 mm

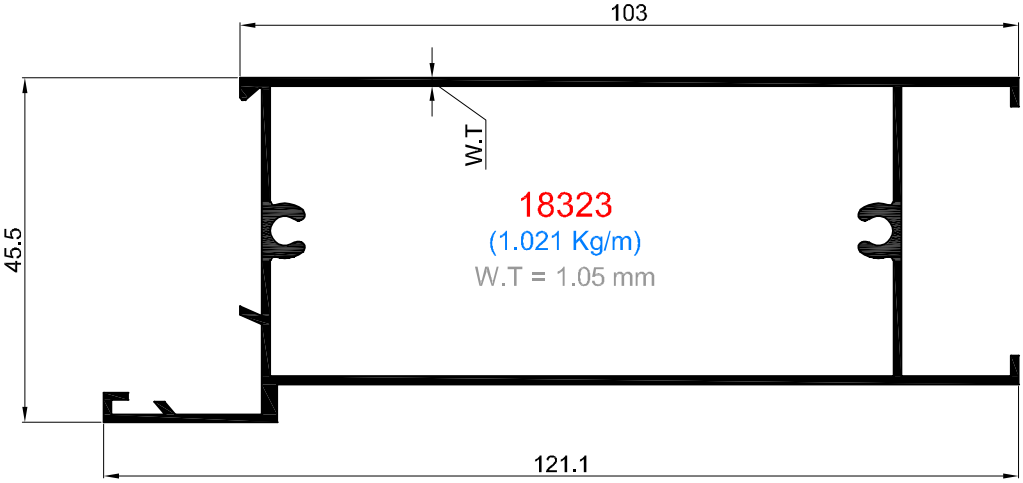
IRAQ PROFILES



18319A	18319	18319J
(0.557 Kg/m)	(0.649 Kg/m)	(0.697 Kg/m)
W.T = 1.0 mm	W.T = 1.20 mm	W.T = 1.30 mm

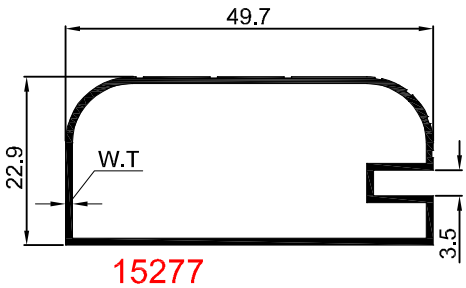


18324
(1.124 Kg/m)
W.T = 1.05 mm

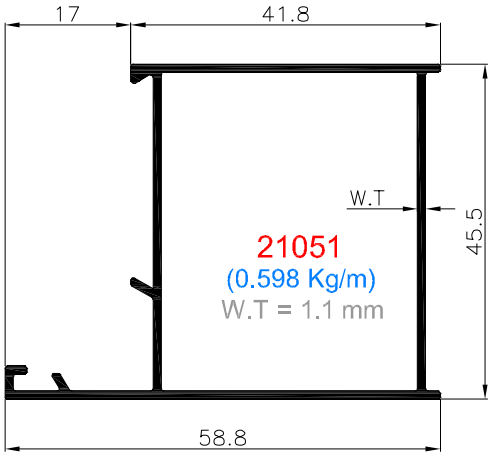


18323
(1.021 Kg/m)
W.T = 1.05 mm

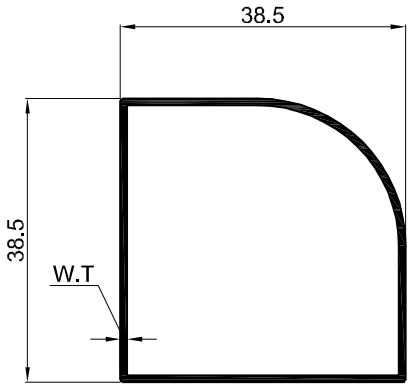
IRAQ PROFILES



15277
(0.384 Kg/m)
W.T = 0.95 mm

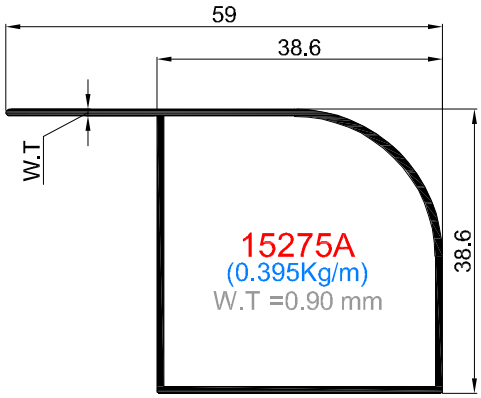


21051
(0.598 Kg/m)
W.T = 1.1 mm



15230
(0.345 Kg/m)
W.T =0.90 mm

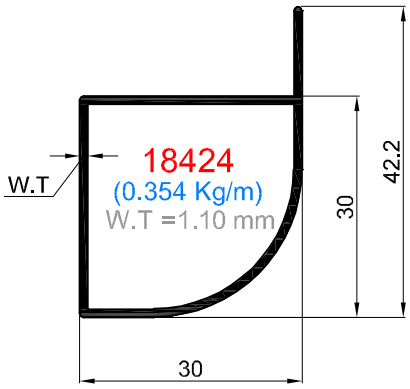
18426
(0.419 Kg/m)
W.T =1.10 mm



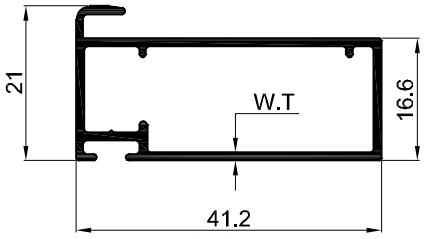
15275A
(0.395Kg/m)
W.T =0.90 mm

15275
(0.420 Kg/m)
W.T =0.95 mm

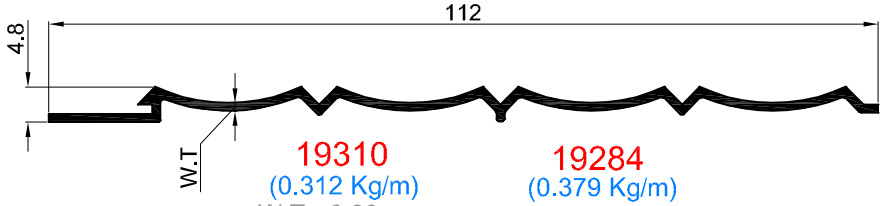
18450
(0.480 Kg/m)
W.T =1.10 mm



18424
(0.354 Kg/m)
W.T =1.10 mm



18237
(0.384 Kg/m)
W.T =1.10 mm

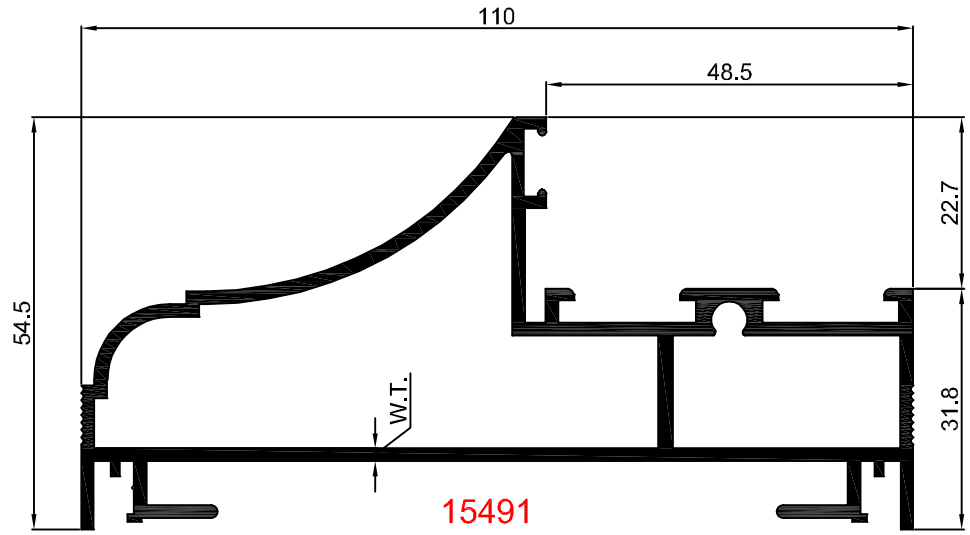


19310
(0.312 Kg/m)
W.T =0.90 mm

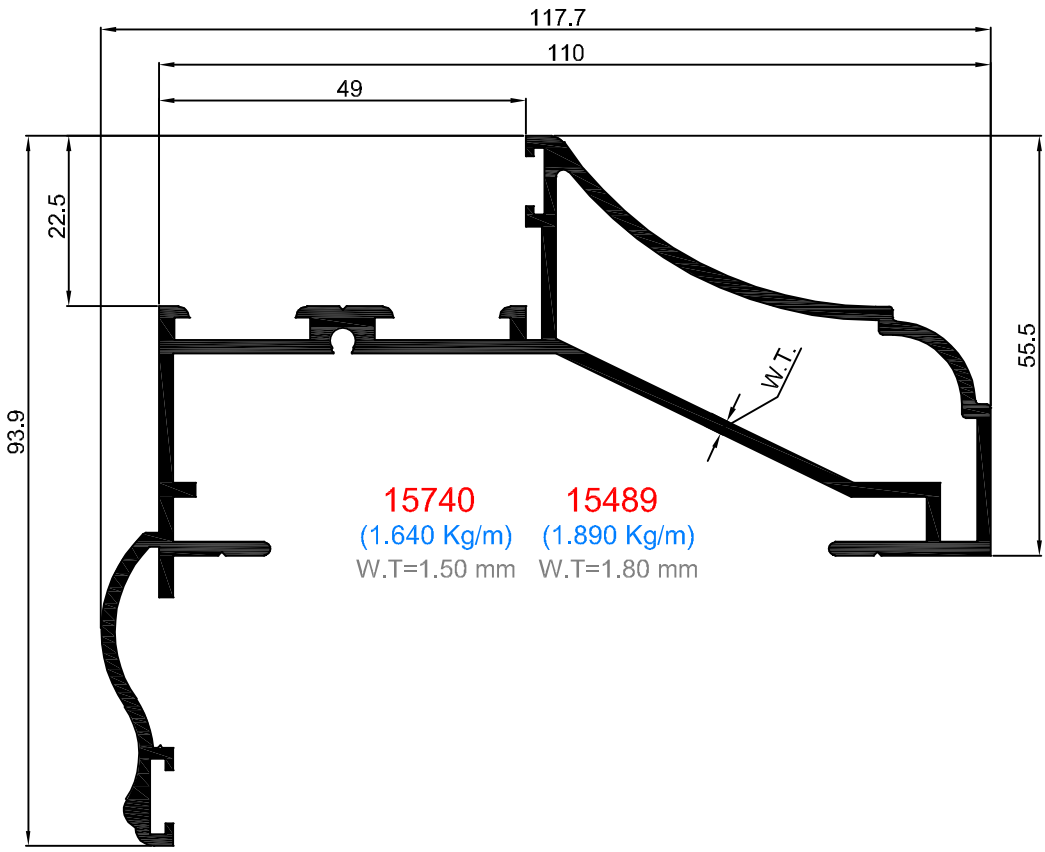
19284
(0.379 Kg/m)
W.T =1.10 mm

KUWAIT PROFILES

KUWAIT PROFILES



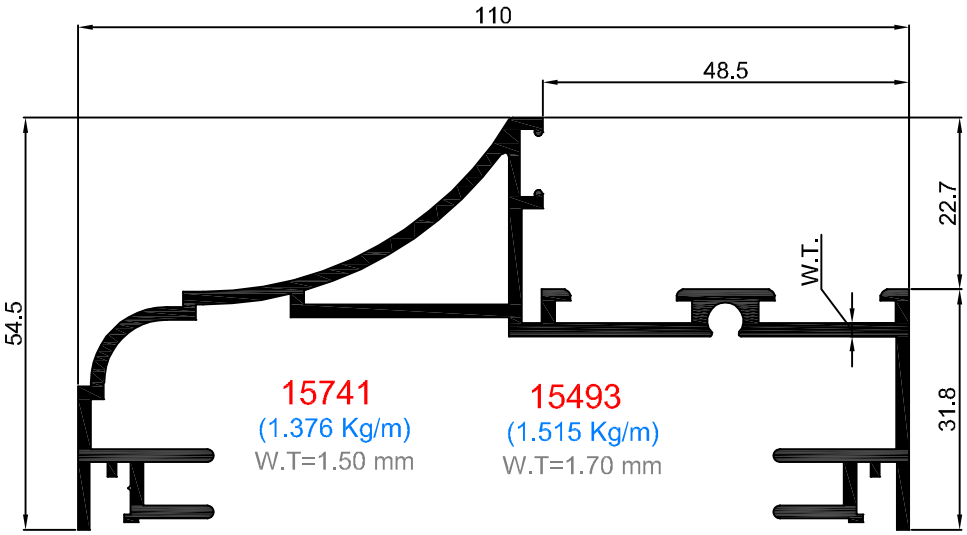
15491
(1.790 Kg/m)
W.T=1.70 mm



15740
(1.640 Kg/m)
W.T=1.50 mm

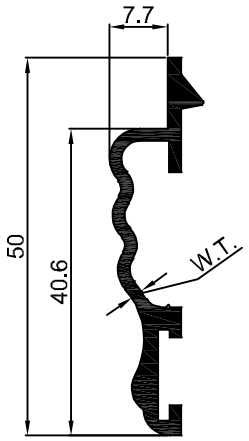
15489
(1.890 Kg/m)
W.T=1.80 mm

KUWAIT PROFILES

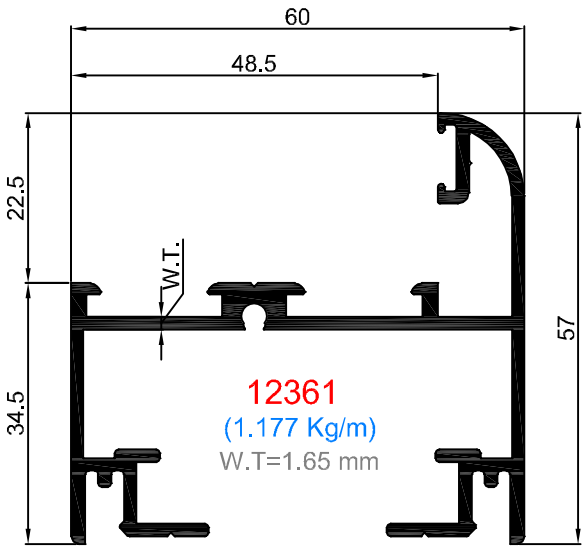


15741
(1.376 Kg/m)
W.T=1.50 mm

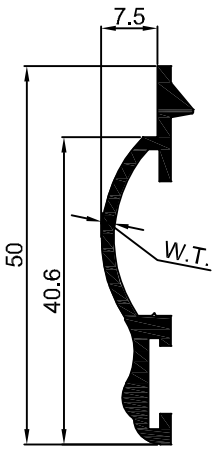
15493
(1.515 Kg/m)
W.T=1.70 mm



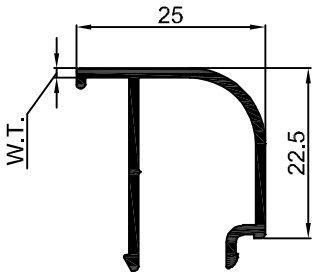
12368
(0.381 Kg/m)
W.T=1.60 mm



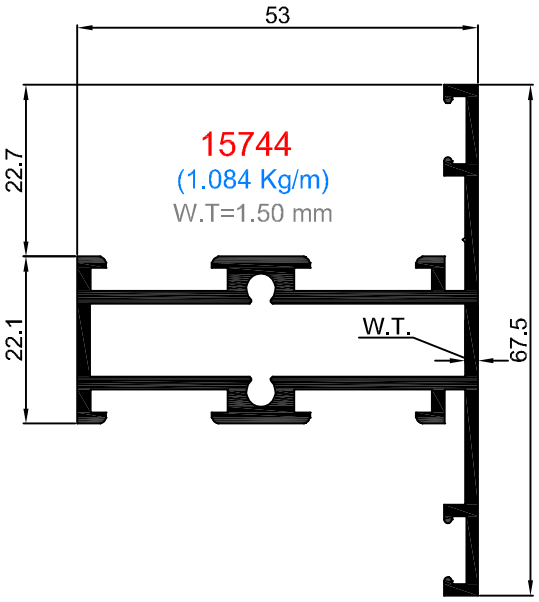
12361
(1.177 Kg/m)
W.T=1.65 mm



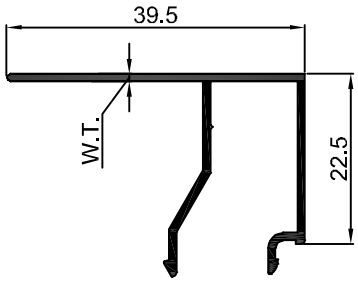
12369
(0.365 Kg/m)
W.T=1.60 mm



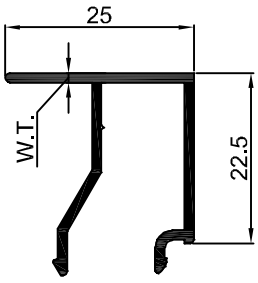
12365
(0.261 Kg/m)
W.T=1.25 mm



15744
(1.084 Kg/m)
W.T=1.50 mm

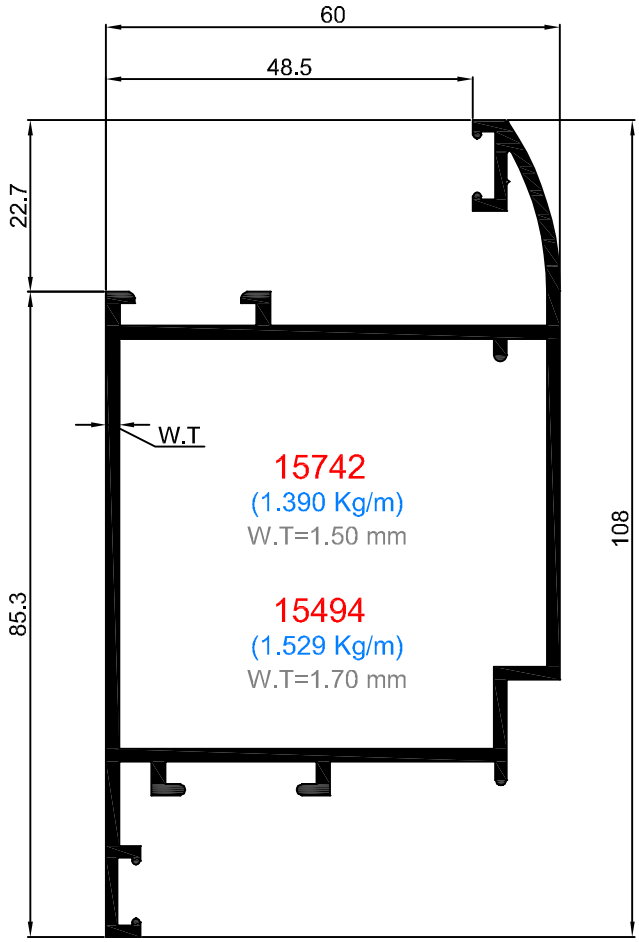


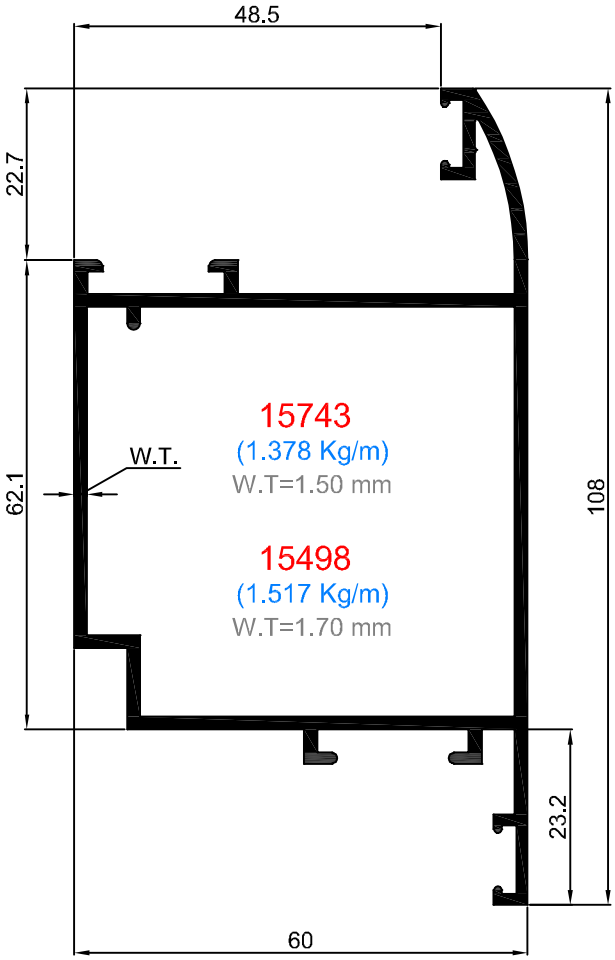
12366
(0.260 Kg/m)
W.T=1.00 mm

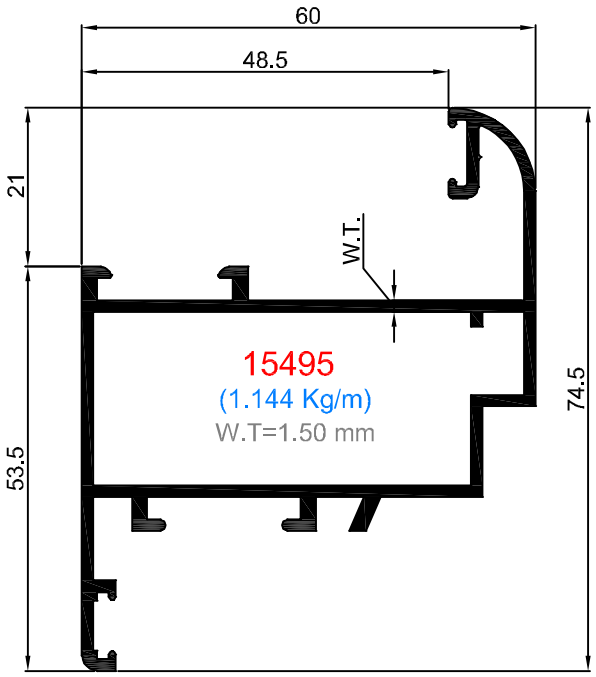


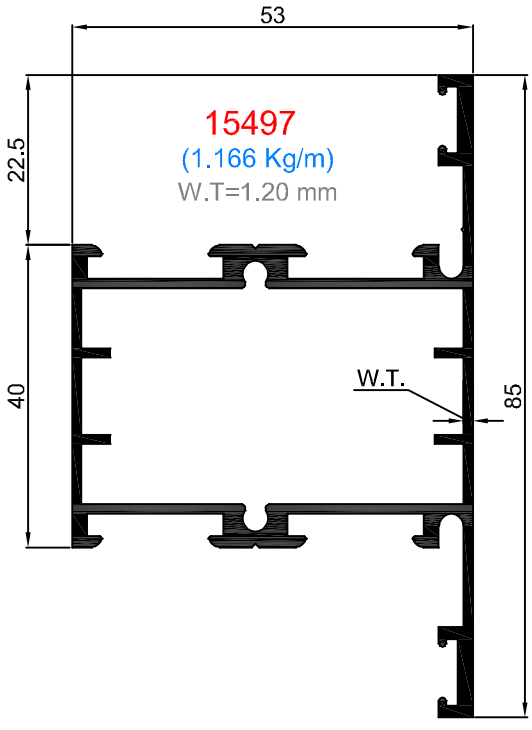
12367
(0.273 Kg/m)
W.T=1.25 mm

KUWAIT PROFILES

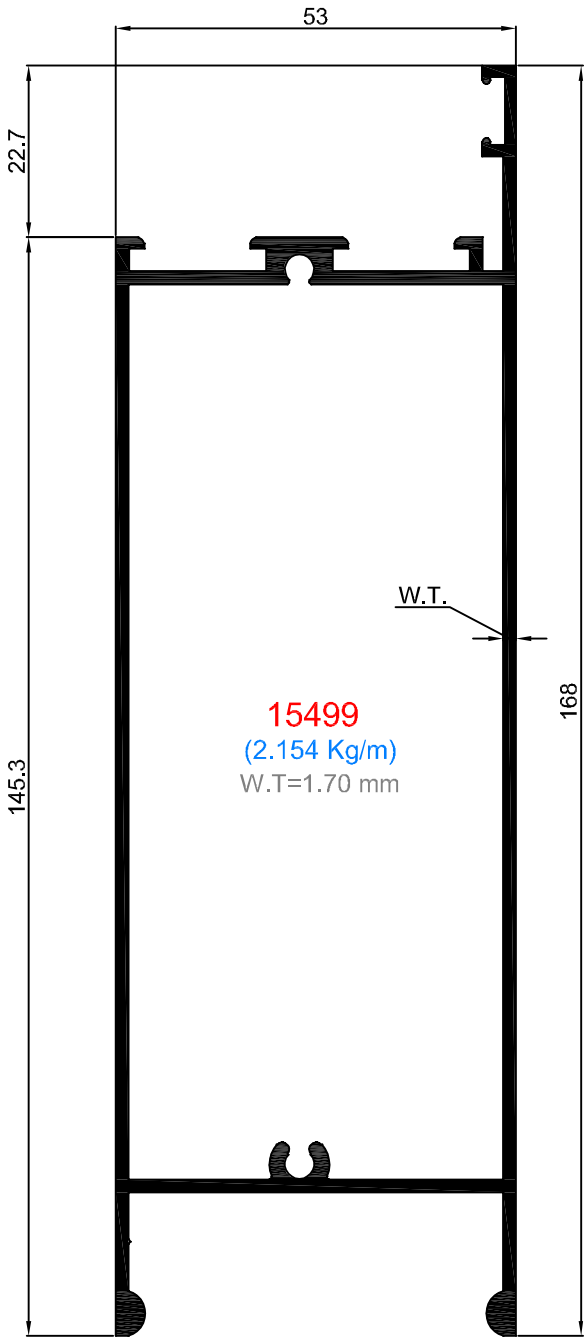




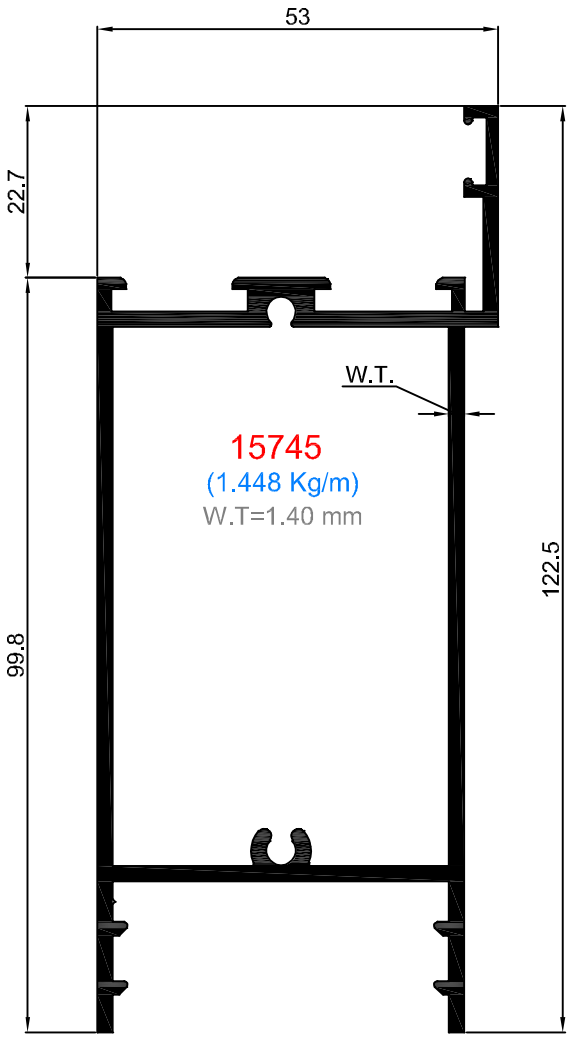




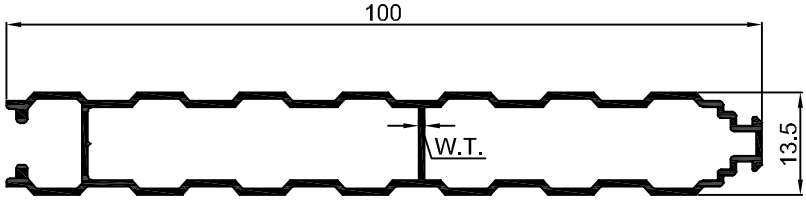
KUWAIT PROFILES



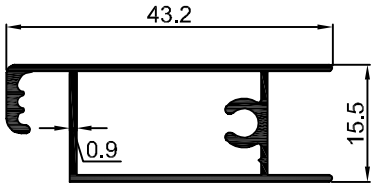
15499
(2.154 Kg/m)
W.T=1.70 mm



15745
(1.448 Kg/m)
W.T=1.40 mm

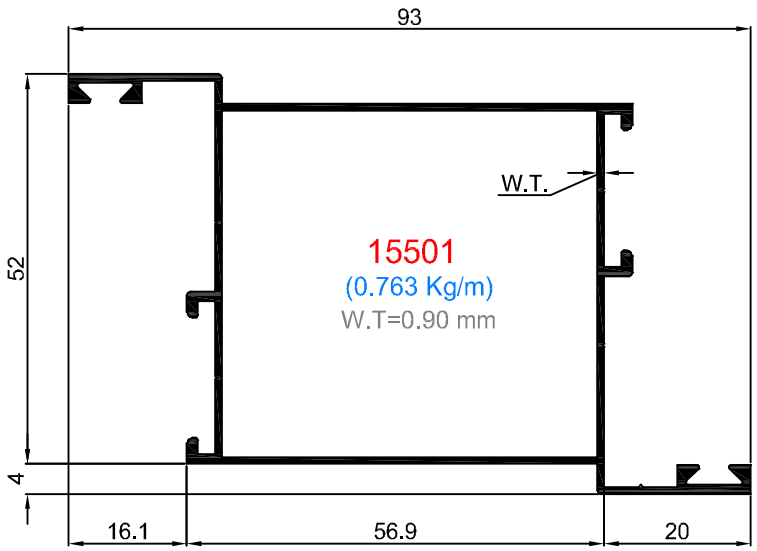


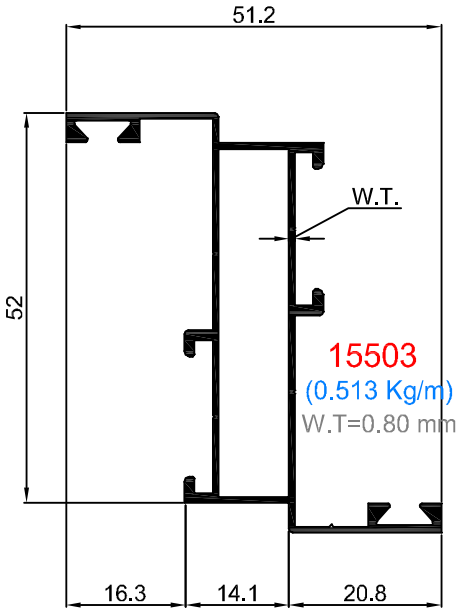
15506
(0.549 Kg/m)
W.T=0.80 mm

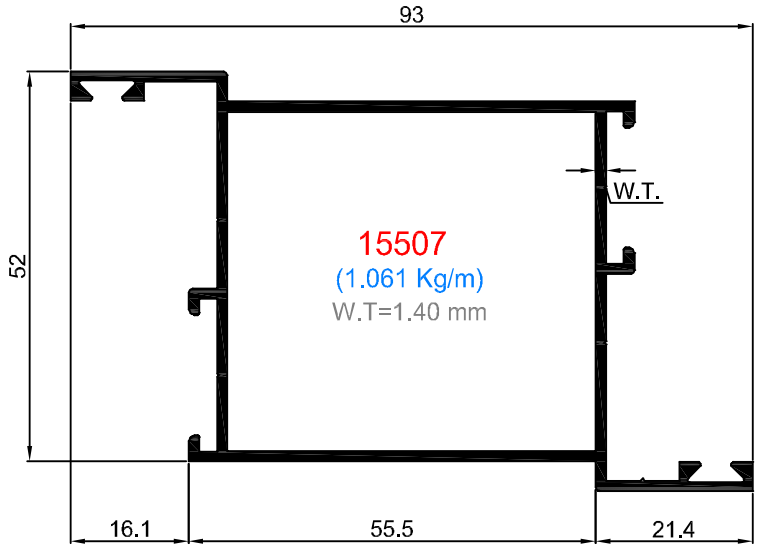


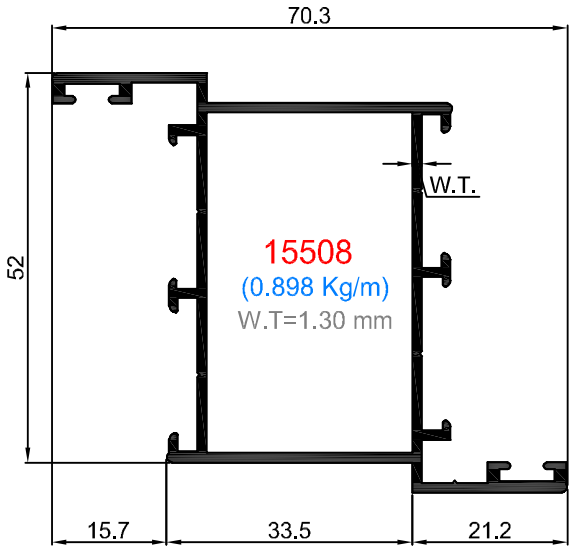
15602
(0.333Kg/m)
W.T=0.9 mm

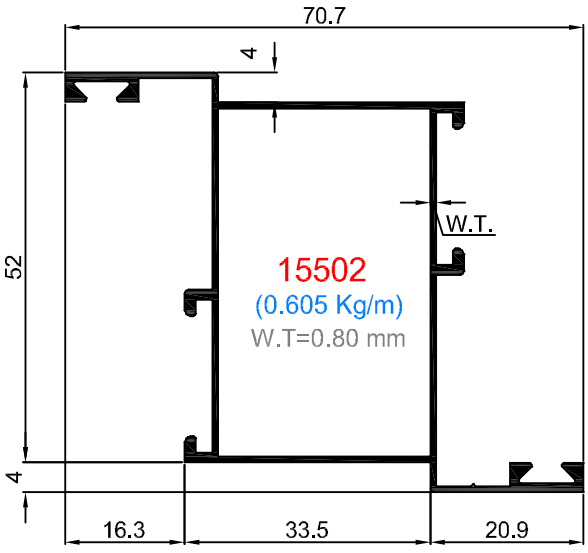
KUWAIT PROFILES

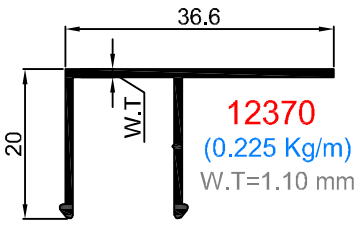


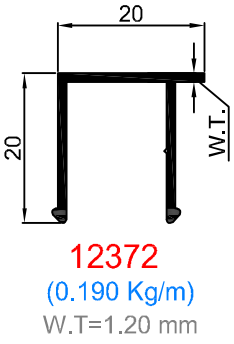


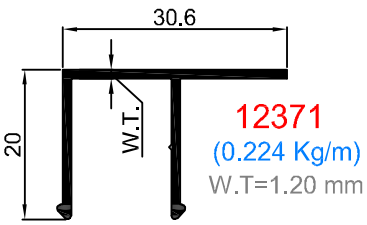




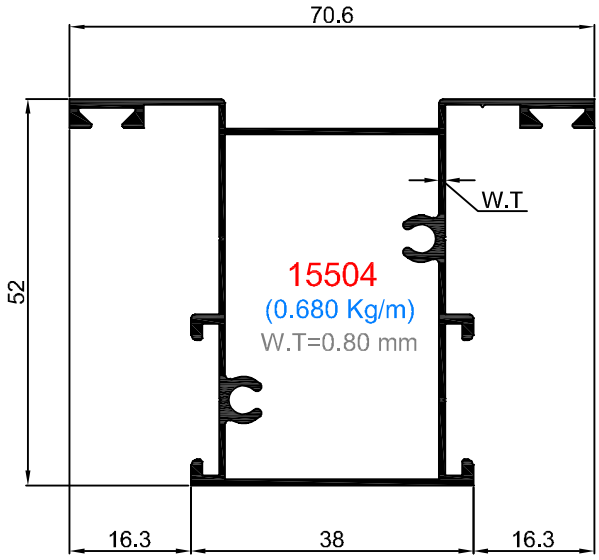


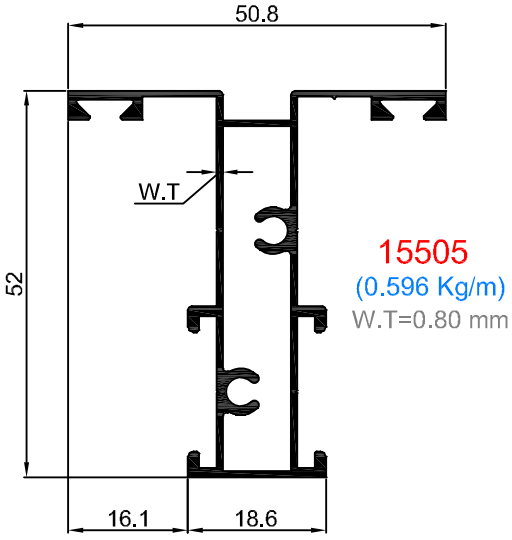


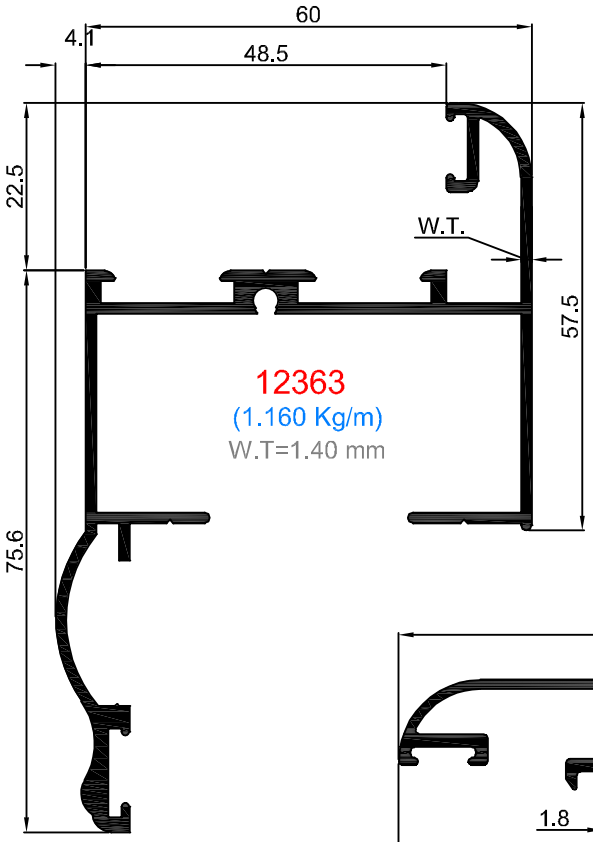


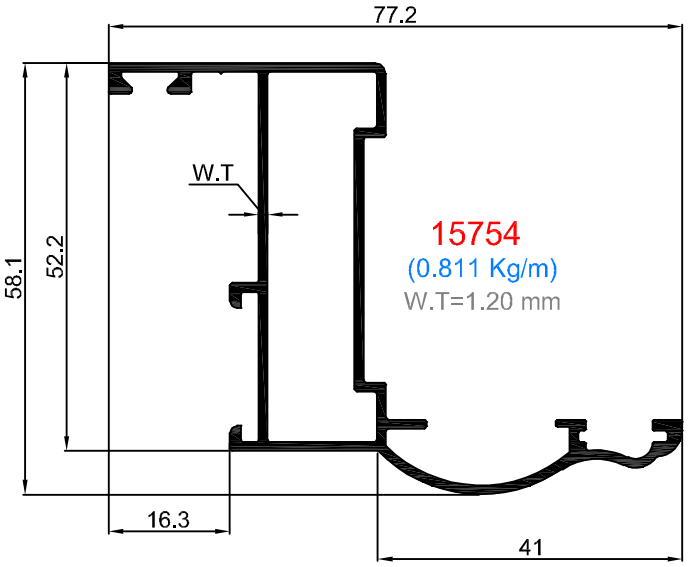


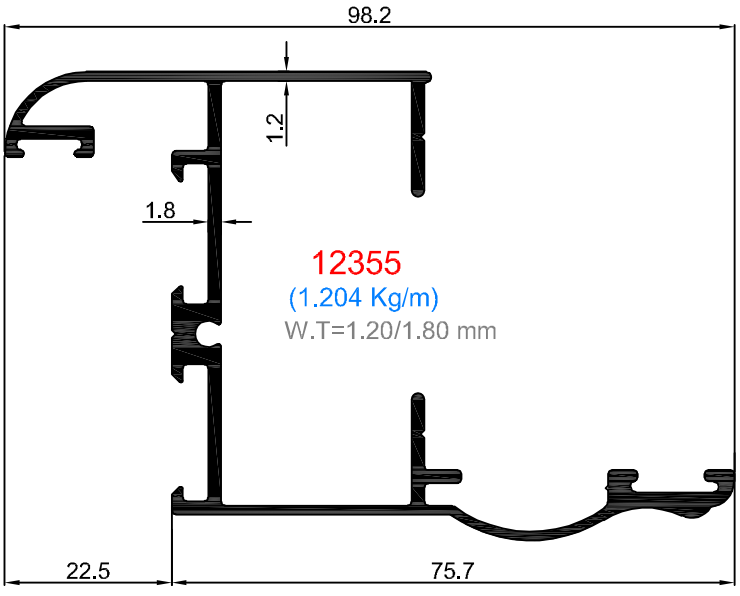
KUWAIT PROFILES



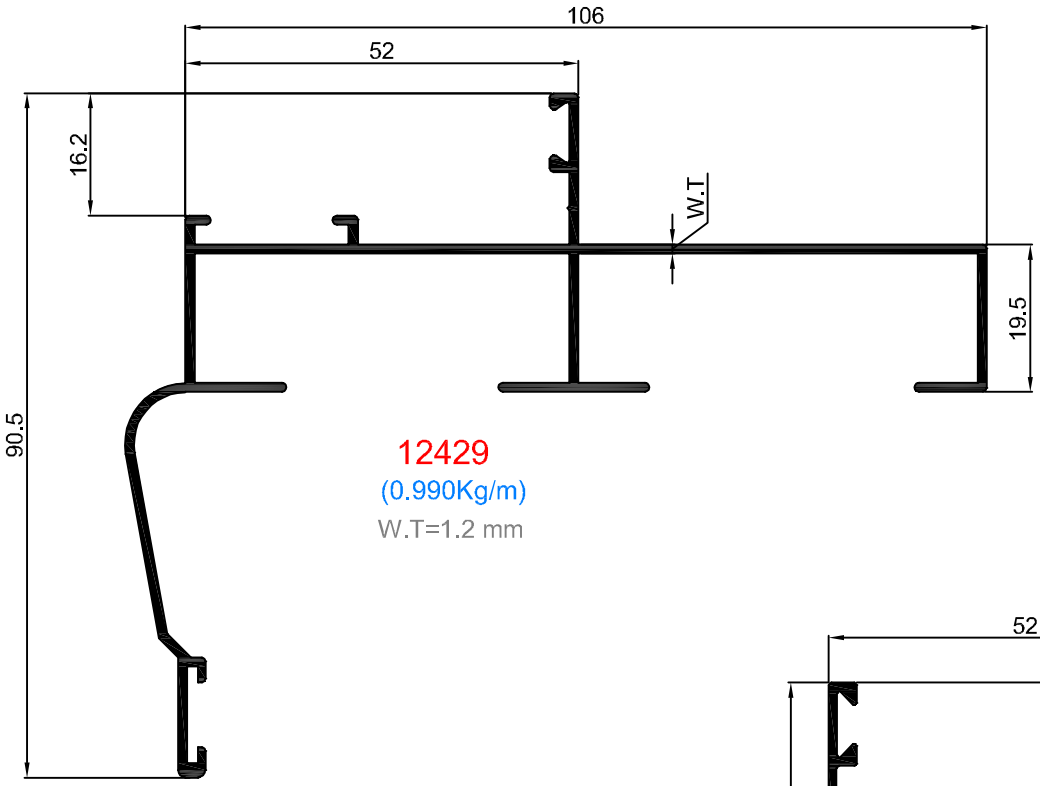




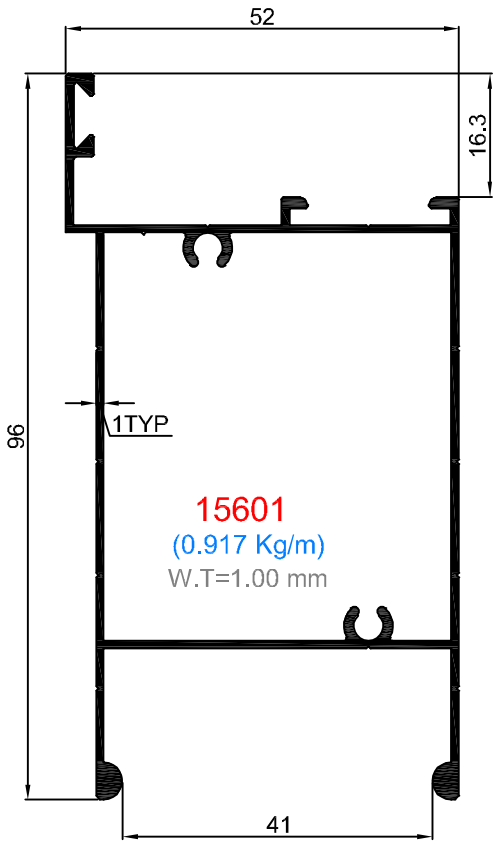




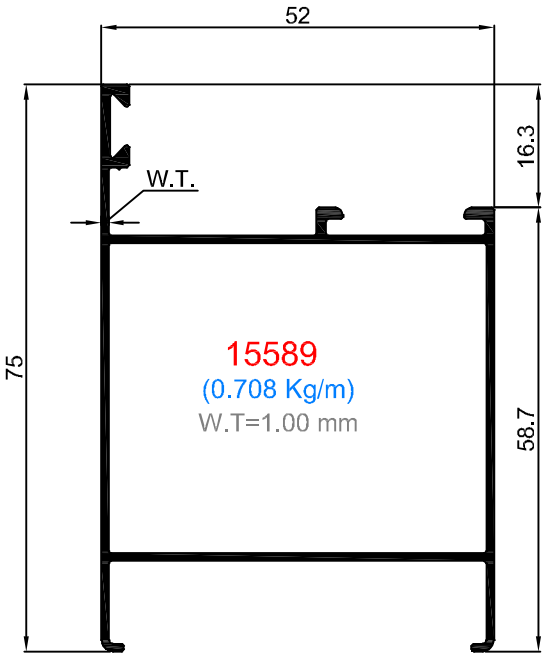
KUWAIT PROFILES



12429
(0.990Kg/m)
W.T=1.2 mm

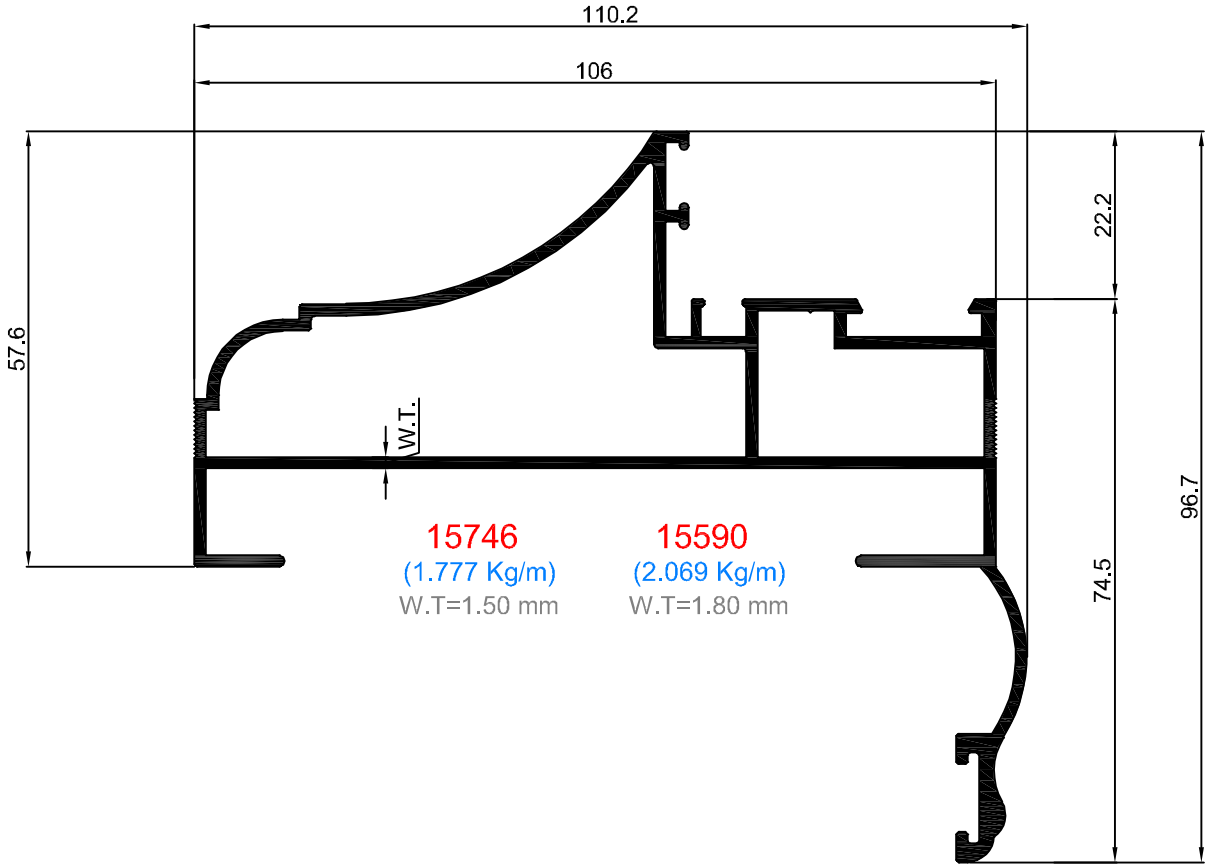


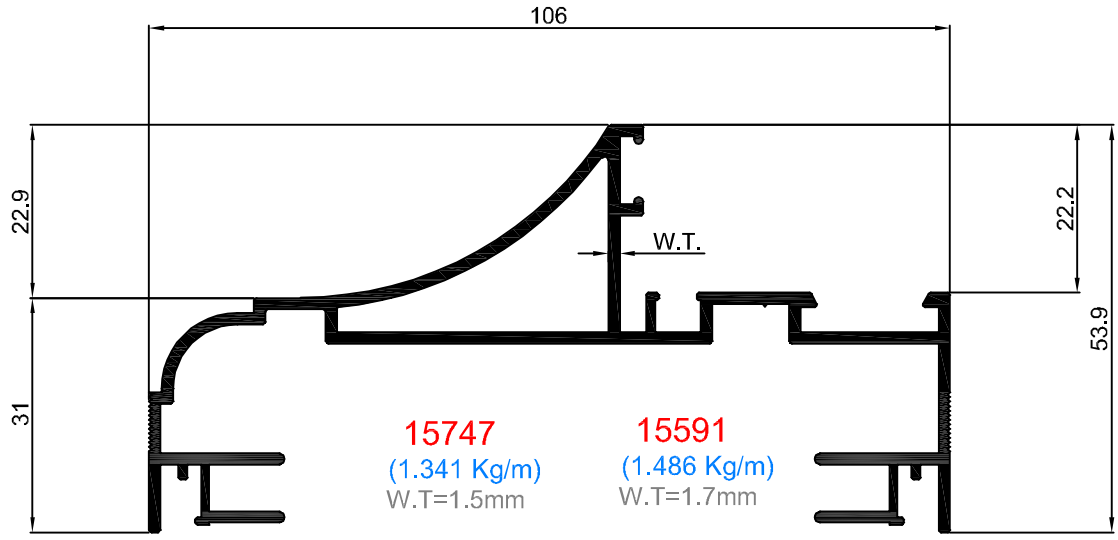
15601
(0.917 Kg/m)
W.T=1.00 mm



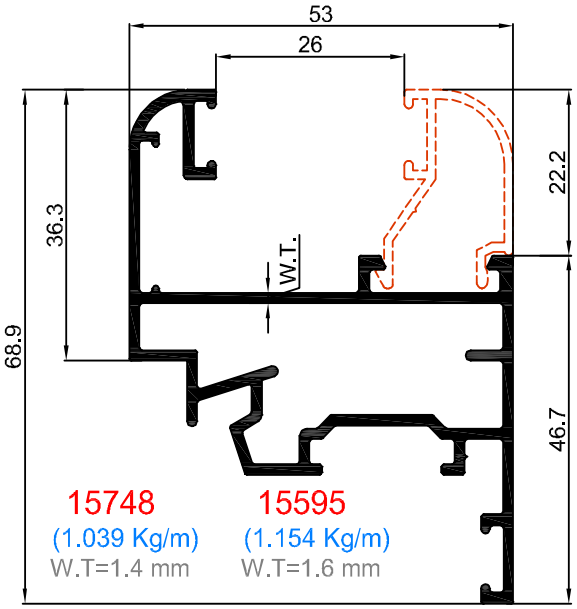
15589
(0.708 Kg/m)
W.T=1.00 mm

KUWAIT PROFILES



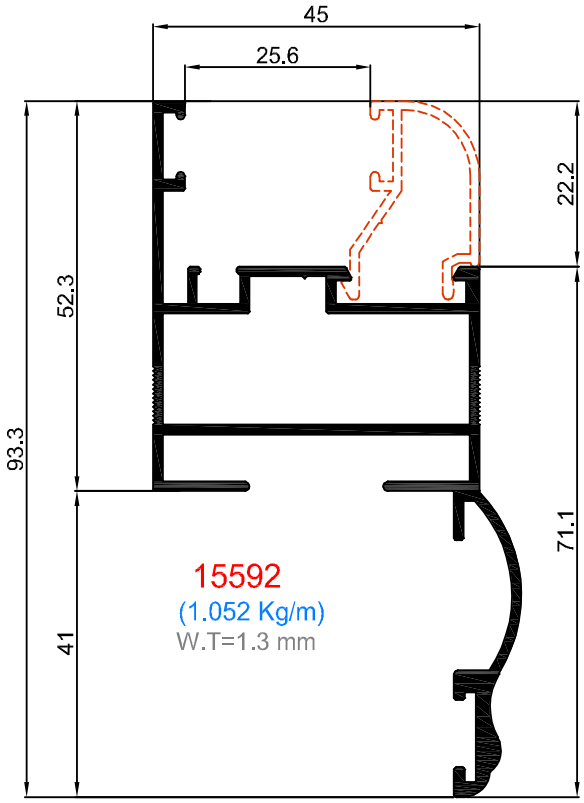


KUWAIT PROFILES

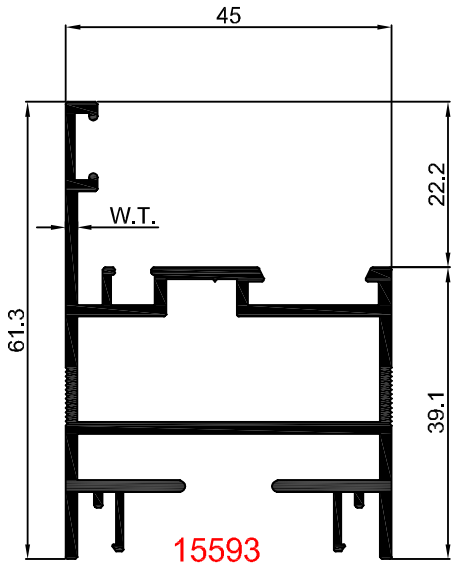


15748
(1.039 Kg/m)
W.T=1.4 mm

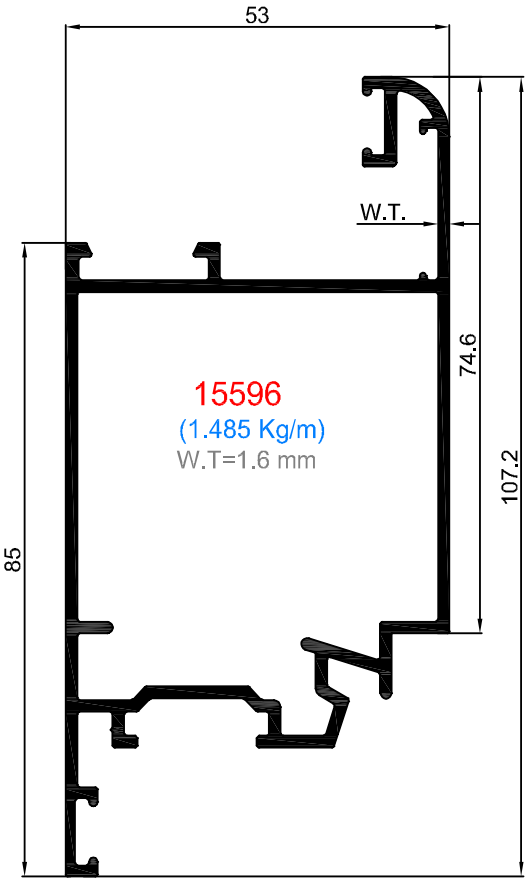
15595
(1.154 Kg/m)
W.T=1.6 mm



15592
(1.052 Kg/m)
W.T=1.3 mm

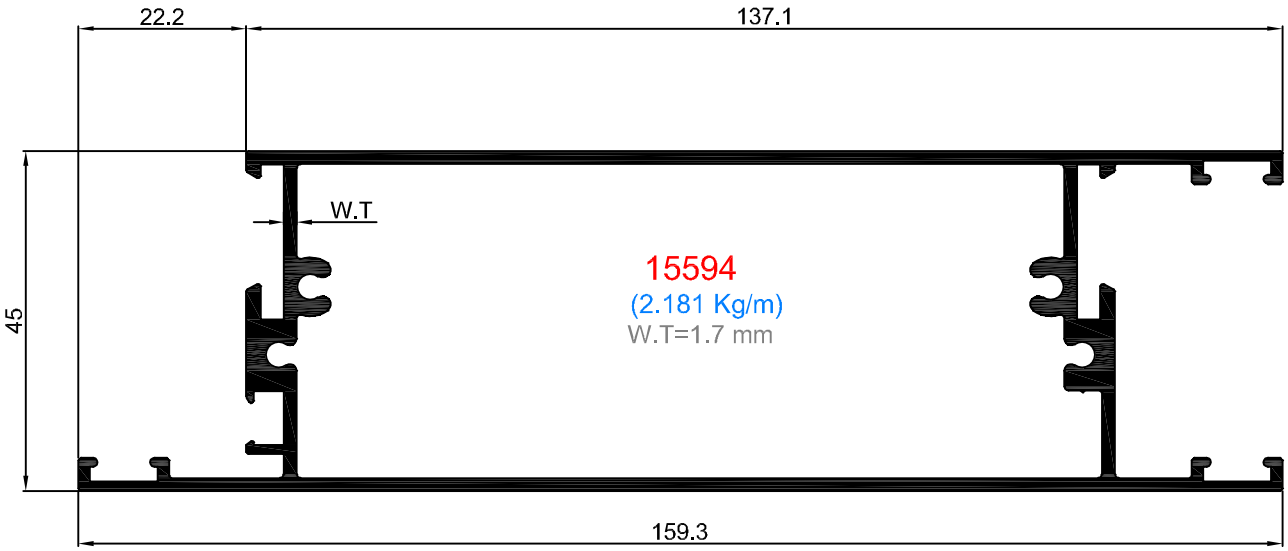


15593
(1.079 Kg/m)
W.T=1.6 mm

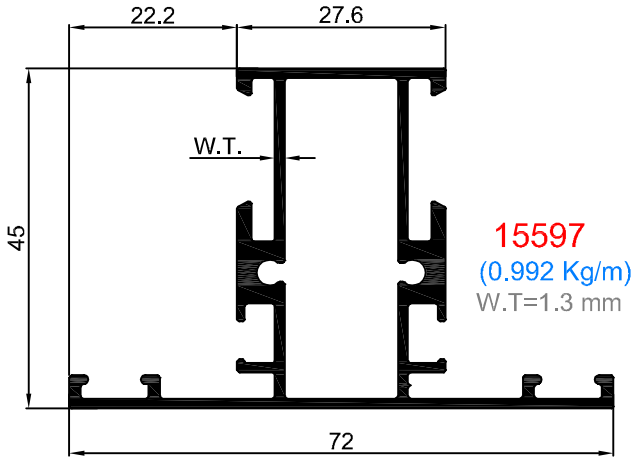


15596
(1.485 Kg/m)
W.T=1.6 mm

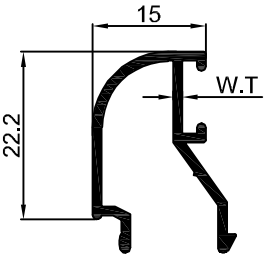
KUWAIT PROFILES



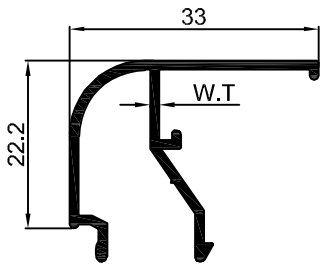
15594
(2.181 Kg/m)
W.T=1.7 mm



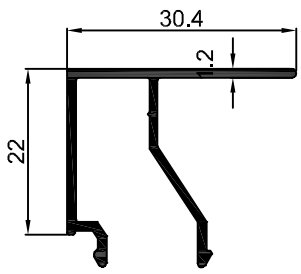
15597
(0.992 Kg/m)
W.T=1.3 mm



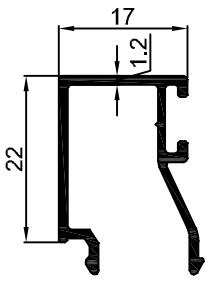
12424
(0.241 Kg/m)
W.T=1.2 mm



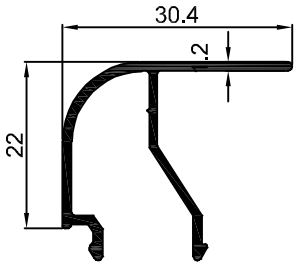
12425
(0.298 Kg/m)
W.T=1.2 mm



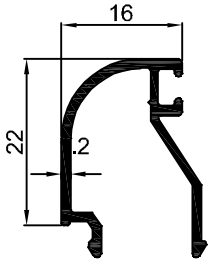
12430
(0.272Kg/m)
W.T=1.2 mm



12433
(0.246Kg/m)
W.T=1.2 mm



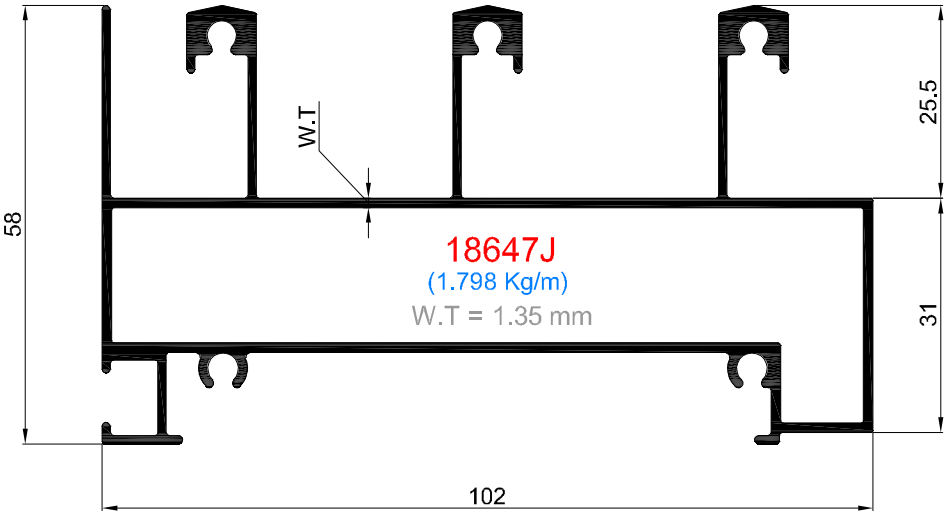
12432
(0.258Kg/m)
W.T=1.2 mm



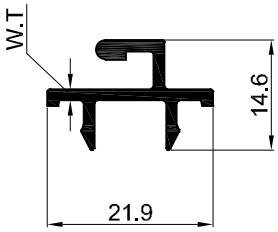
12431
(0.231Kg/m)
W.T=1.2 mm

PALESTINE PROFILES

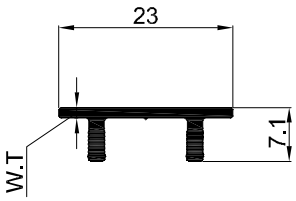
PALESTINE PROFILES



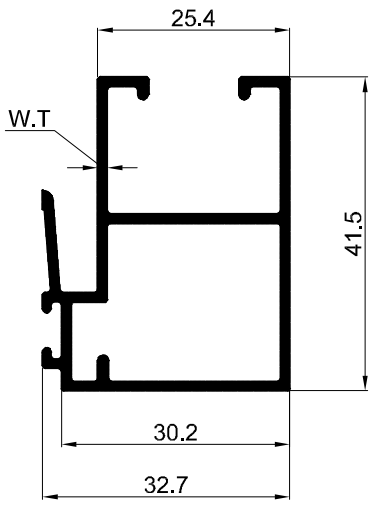
18647J
(1.798 Kg/m)
W.T = 1.35 mm



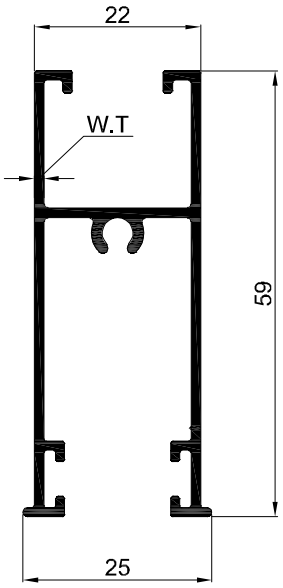
19472J
(0.208 Kg/m)
W.T = 1.50 mm



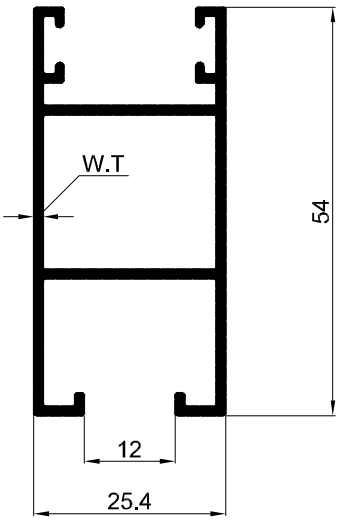
19473J
(0.152 Kg/m)
W.T = 1.40 mm



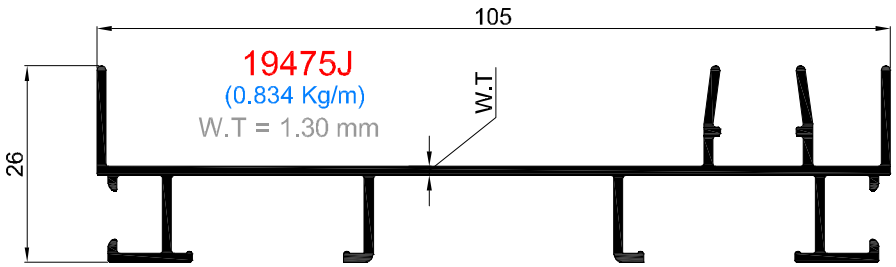
18638J
(0.641 Kg/m)
W.T = 1.35 mm



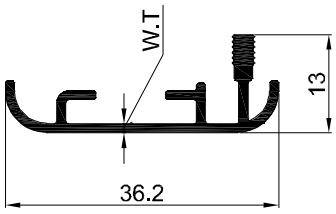
19470J
(0.627 Kg/m)
W.T = 1.30 mm



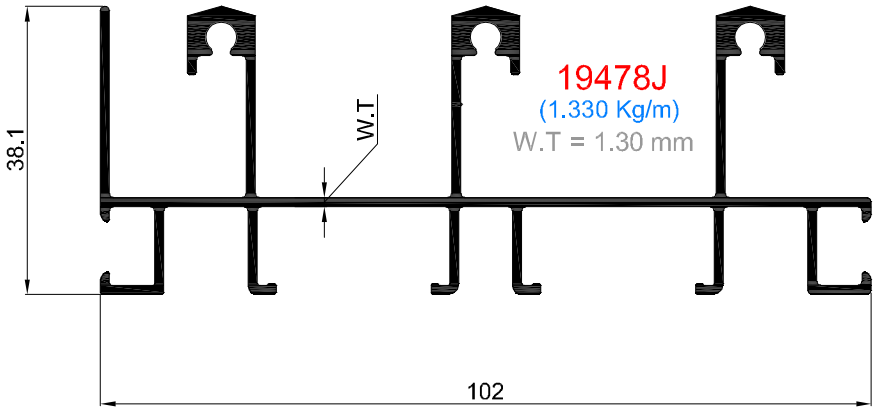
18640J
(0.664 Kg/m)
W.T = 1.35 mm



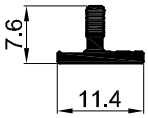
19475J
(0.834 Kg/m)
W.T = 1.30 mm



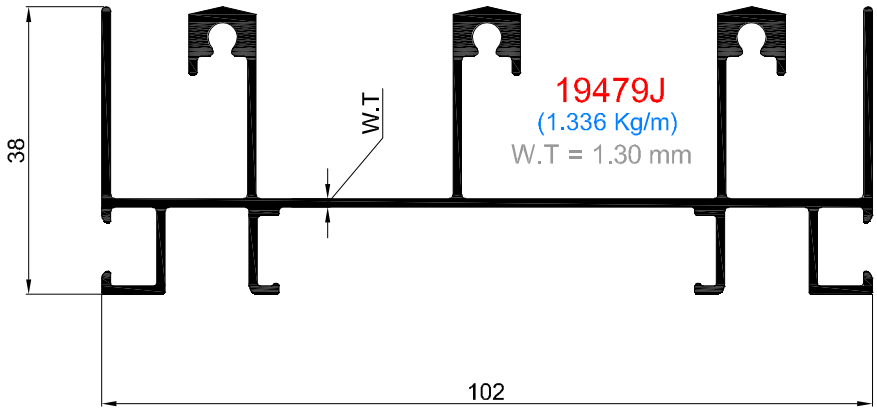
19477J
(0.278 Kg/m)
W.T = 1.30 mm



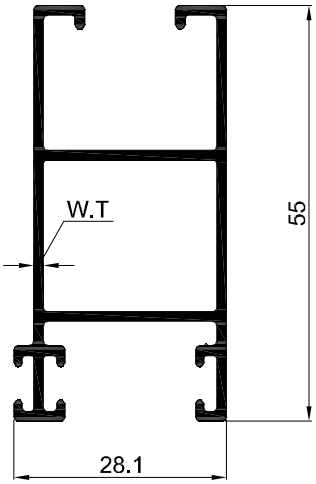
19478J
(1.330 Kg/m)
W.T = 1.30 mm



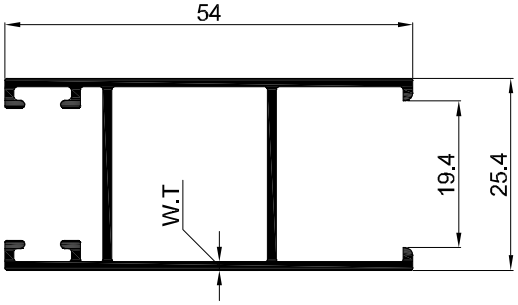
12015
(0.083 Kg/m)
W.T = 1.60 mm



19479J
(1.336 Kg/m)
W.T = 1.30 mm

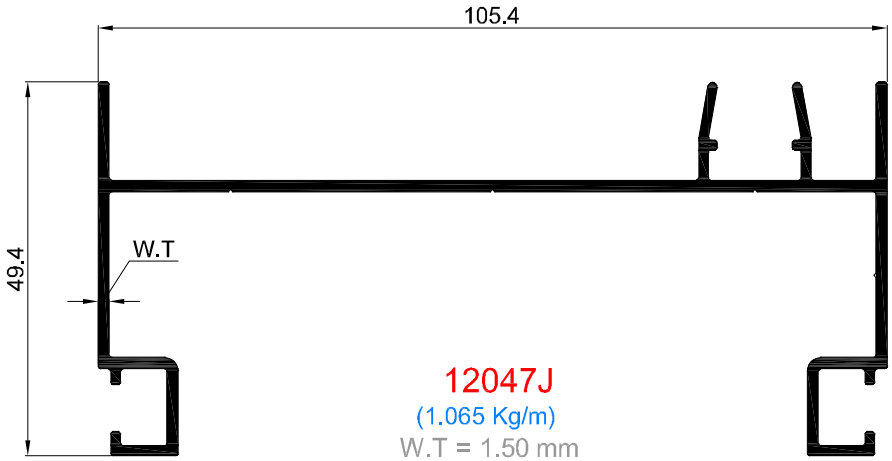


15187J
(0.686 Kg/m)
W.T = 1.30 mm

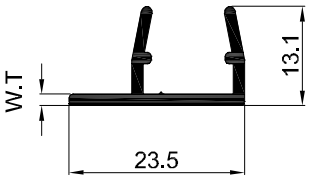


18641J
(0.623 Kg/m)
W.T = 1.35 mm

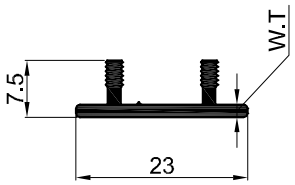
PALESTINE PROFILES



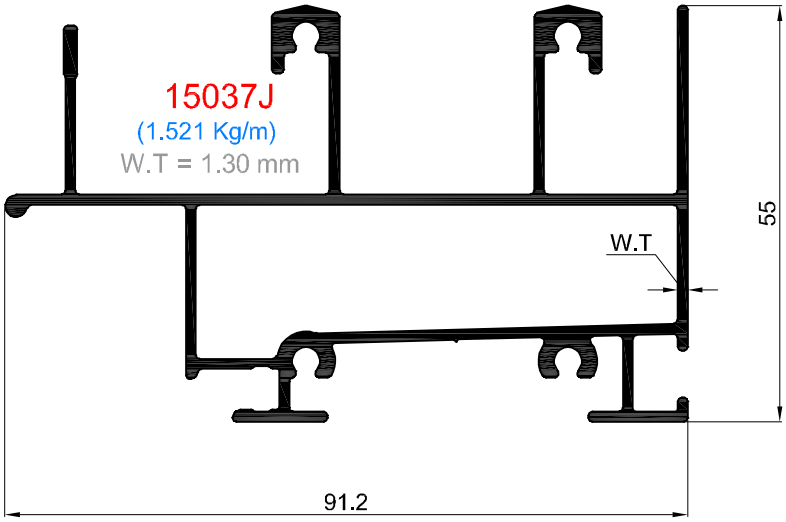
12047J
(1.065 Kg/m)
W.T = 1.50 mm

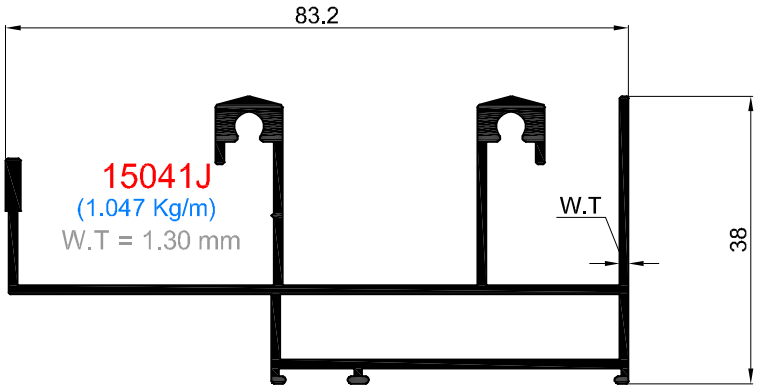


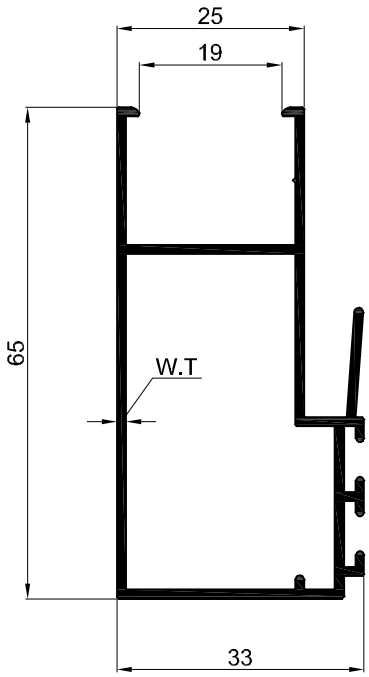
12124J
(0.197 Kg/m)
W.T = 1.50 mm



12079
(0.164 Kg/m)
W.T = 1.70 mm

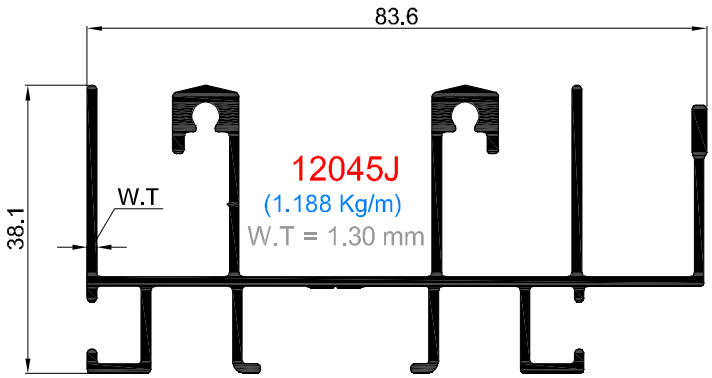




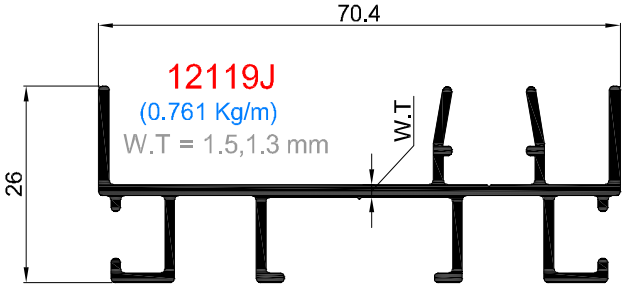


15039J
(0.769 Kg/m)
W.T = 1.20 mm

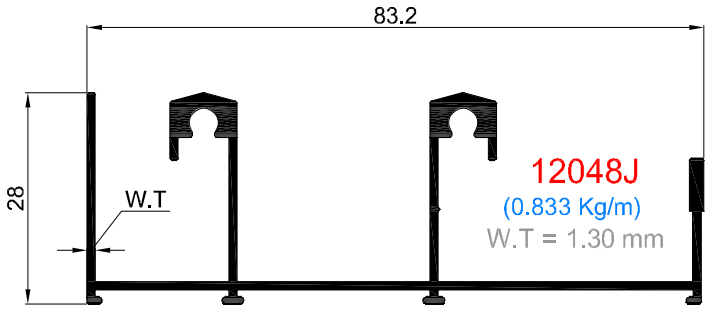
PALESTINE PROFILES



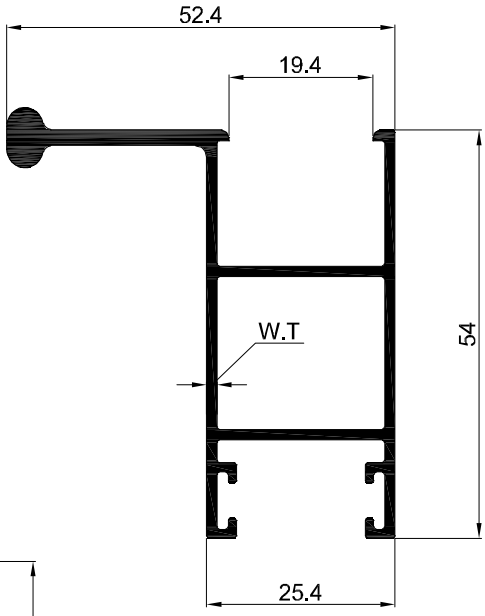
12045J
(1.188 Kg/m)
W.T = 1.30 mm



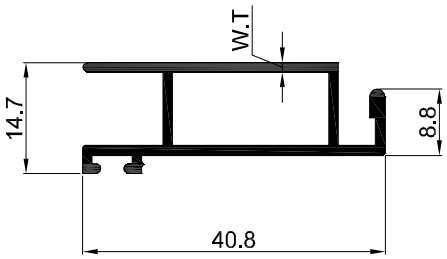
12119J
(0.761 Kg/m)
W.T = 1.5,1.3 mm



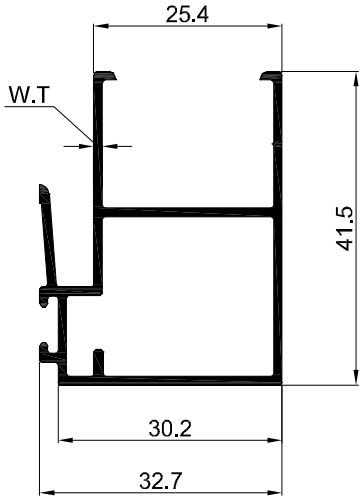
12048J
(0.833 Kg/m)
W.T = 1.30 mm



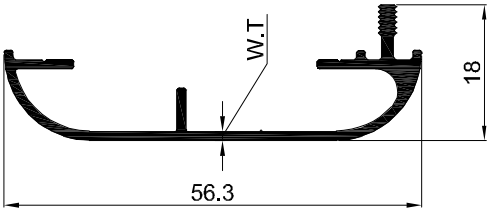
18644J
(0.858 Kg/m)
W.T = 1.40 mm



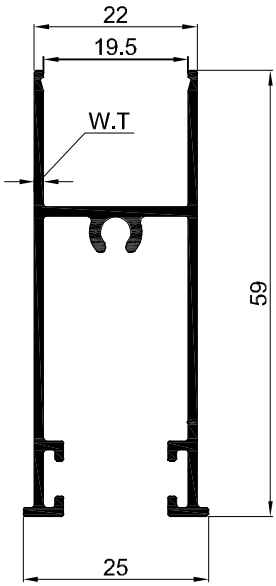
15043J
(0.390 Kg/m)
W.T = 1.30 mm



18639J
(0.602 Kg/m)
W.T = 1.35 mm

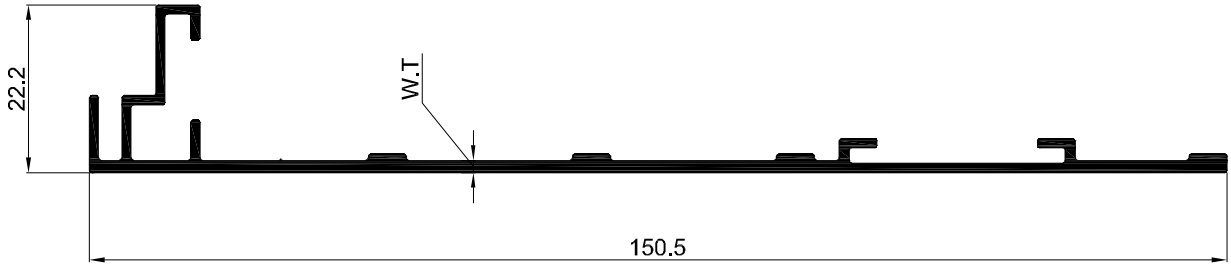


19476J
(0.389 Kg/m)
W.T = 1.30 mm

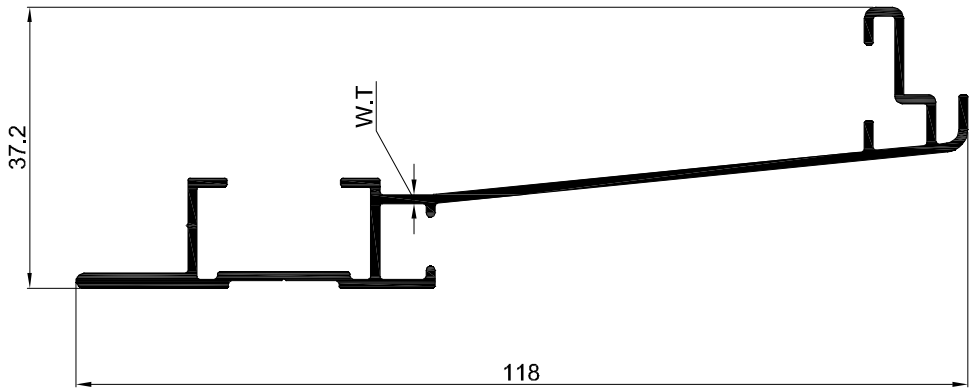


19469J
(0.590 Kg/m)
W.T = 1.30 mm

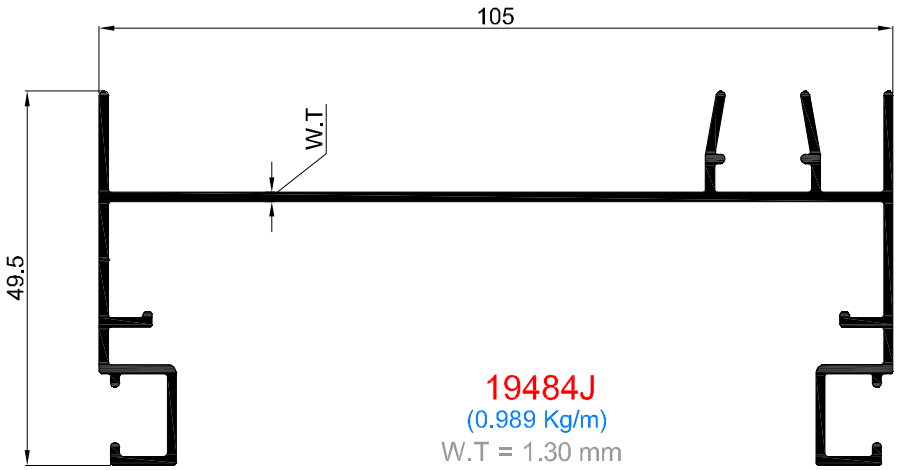
PALESTINE PROFILES



19482J
(0.885 Kg/m)
W.T = 1.60 mm

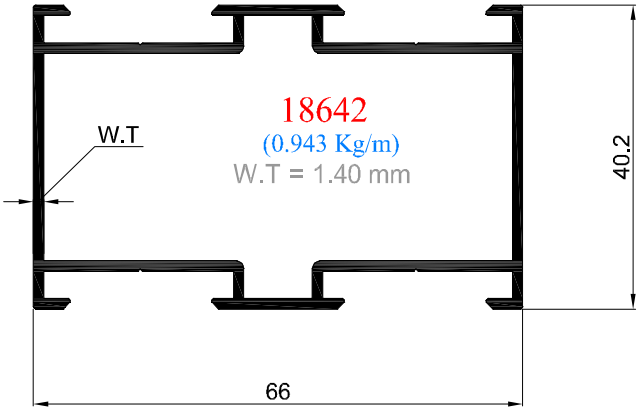


19483J
(0.742 Kg/m)
W.T = 1.30 mm

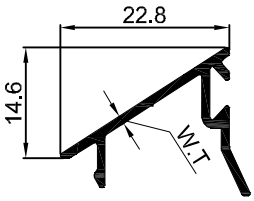


19484J
(0.989 Kg/m)
W.T = 1.30 mm

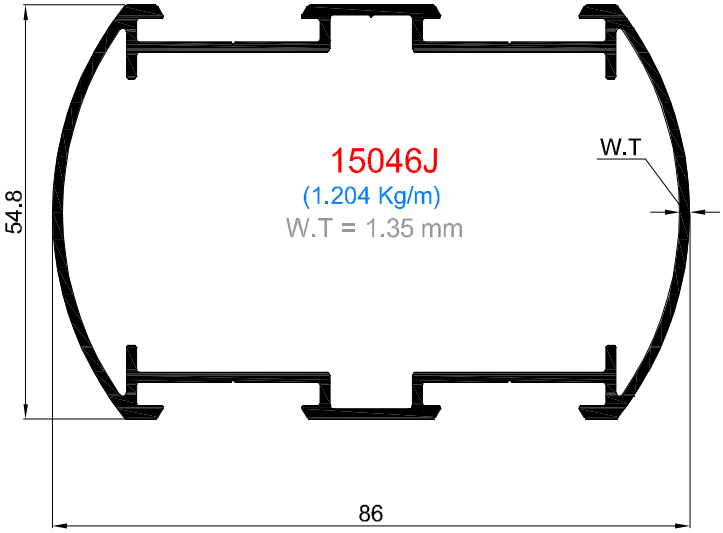
PALESTINE PROFILES



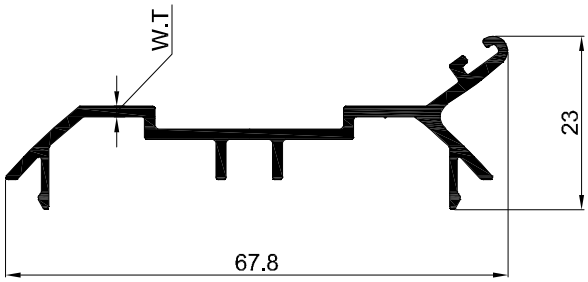
18642
(0.943 Kg/m)
W.T = 1.40 mm



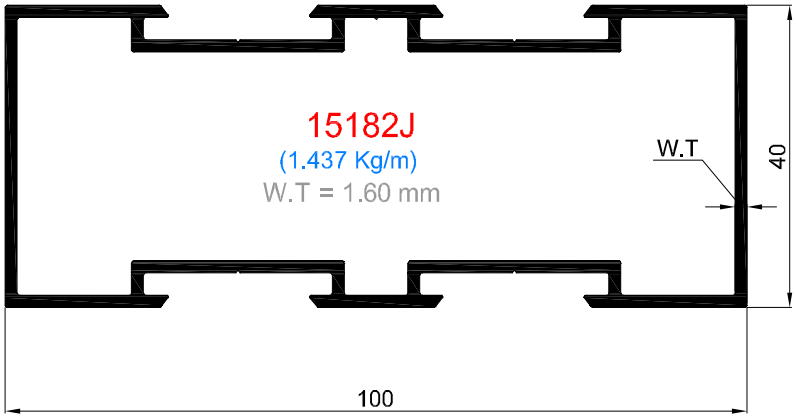
19480
(0.170 Kg/m)
W.T = 1.10 mm



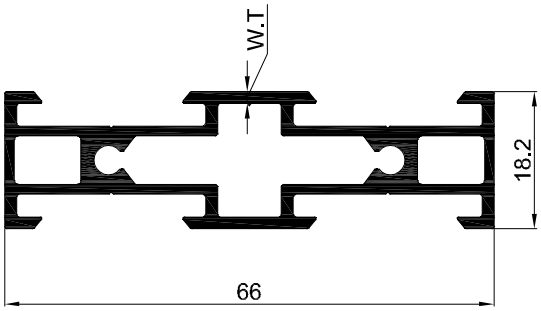
15046J
(1.204 Kg/m)
W.T = 1.35 mm



19474
(0.461 Kg/m)
W.T = 1.40 mm

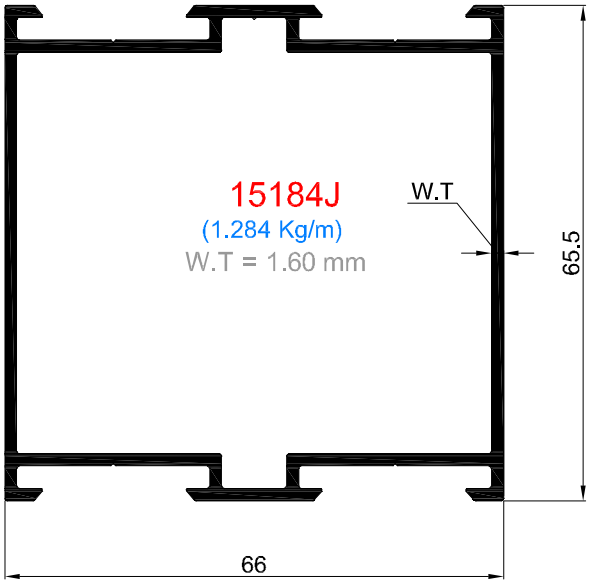


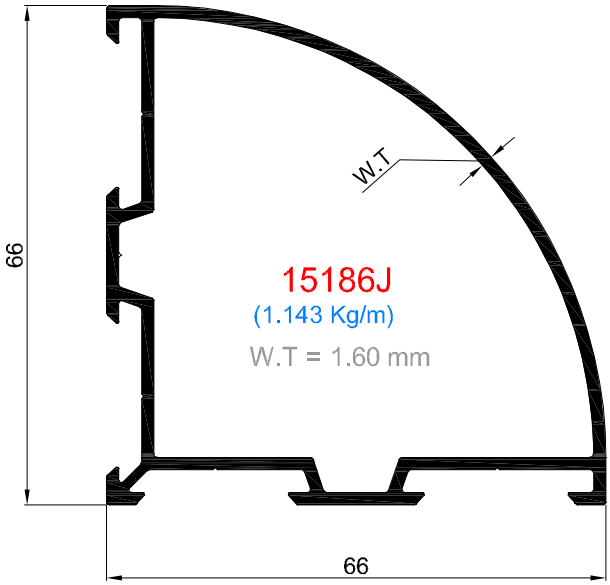
15182J
(1.437 Kg/m)
W.T = 1.60 mm

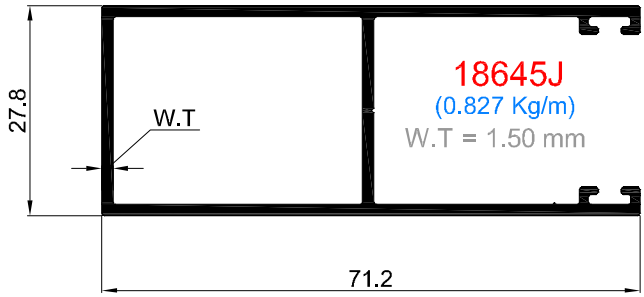


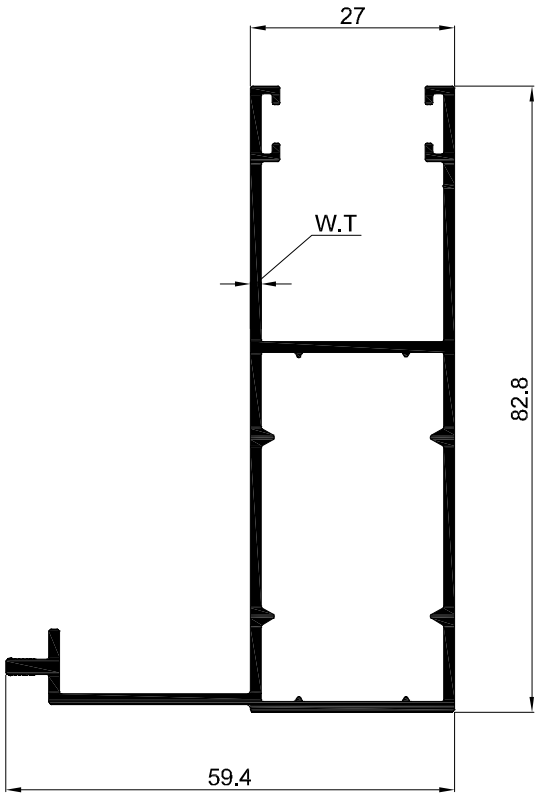
15183J
(0.924 Kg/m)
W.T = 1.30 mm

PALESTINE PROFILES

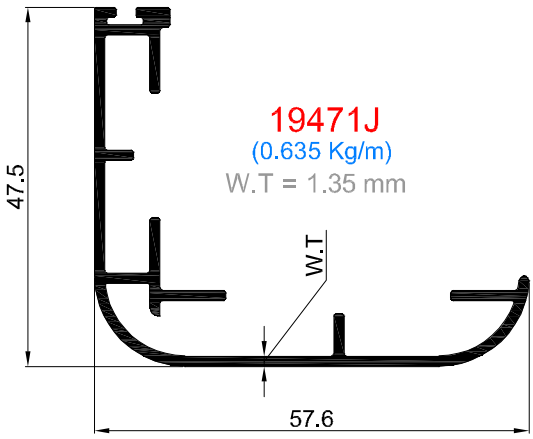




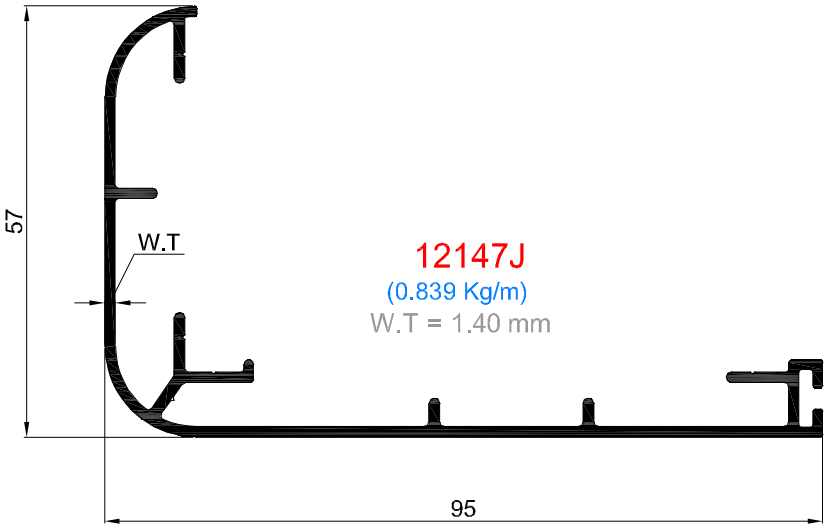




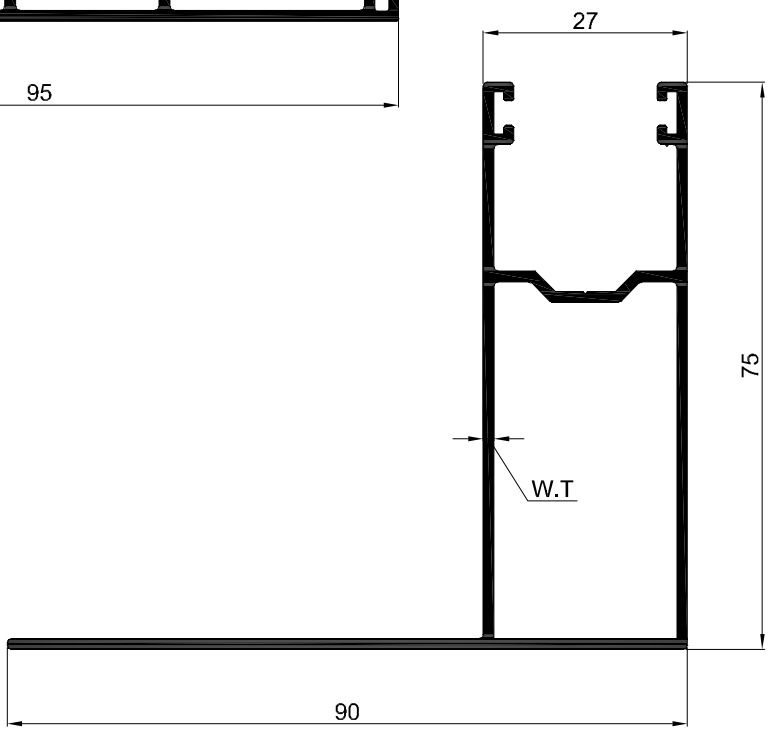
18646J
(1.056 Kg/m)
W.T = 1.40 mm



PALESTINE PROFILES



12147J
(0.839 Kg/m)
W.T = 1.40 mm



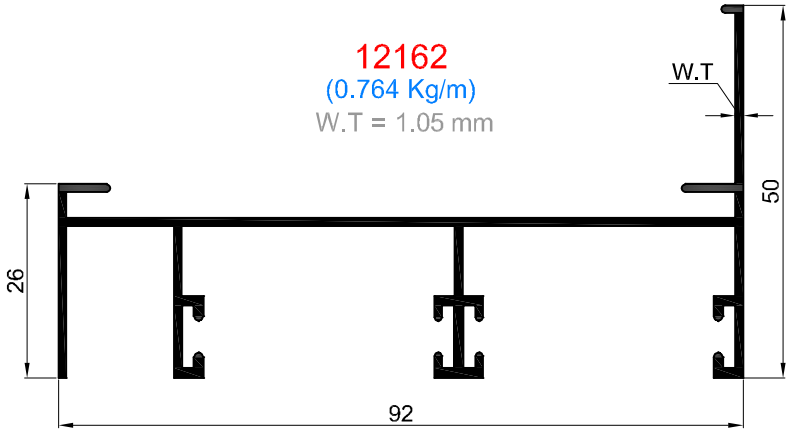
15188J
(1.049 Kg/m)
W.T = 1.40 mm

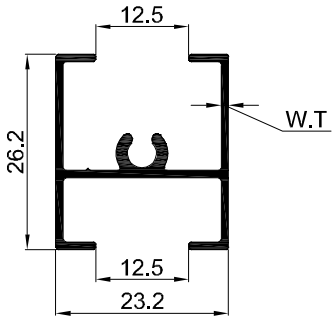
OMAN PROFILES

OMAN PROFILES

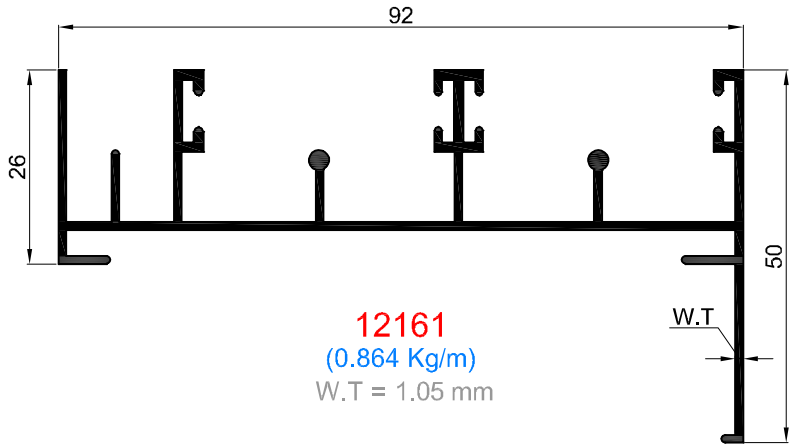
FLY SCREEN OUTSIDE

12162
(0.764 Kg/m)
W.T = 1.05 mm

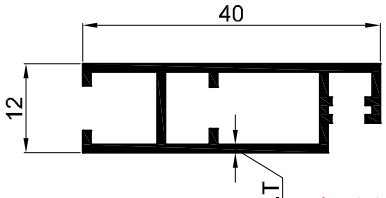




12434
(0.291 Kg/m)
W.T = 1.00 mm



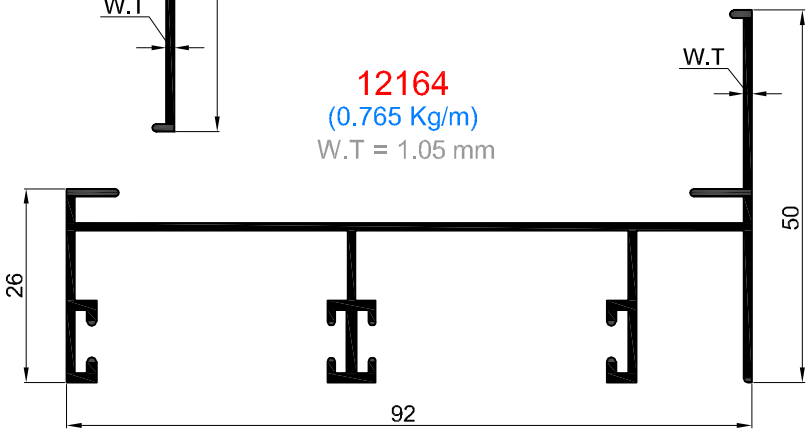
12161
(0.864 Kg/m)
W.T = 1.05 mm

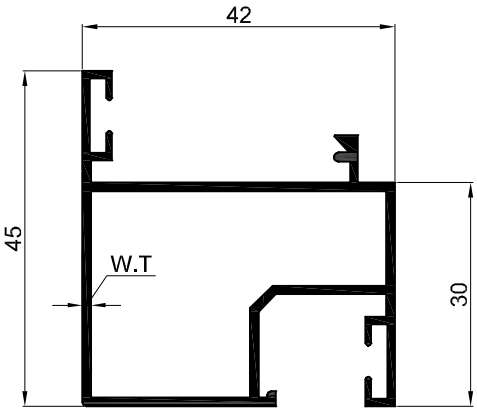


15006A
(0.290 Kg/m)
W.T = 0.95 mm

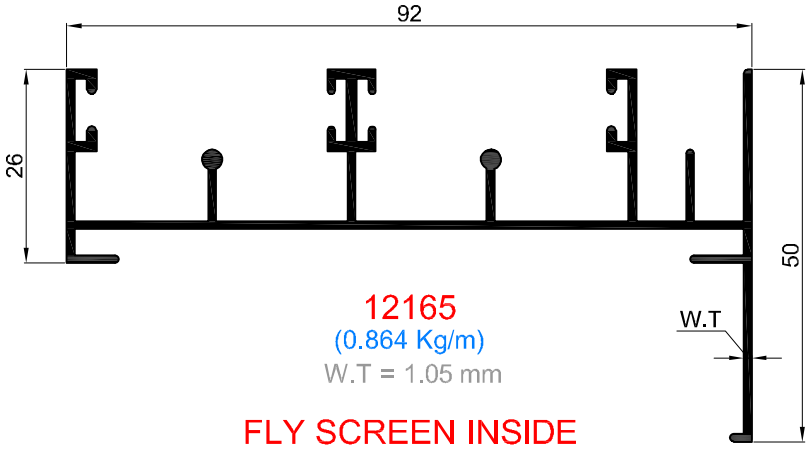
15006
(0.328 Kg/m)
W.T = 1.10 mm

12164
(0.765 Kg/m)
W.T = 1.05 mm





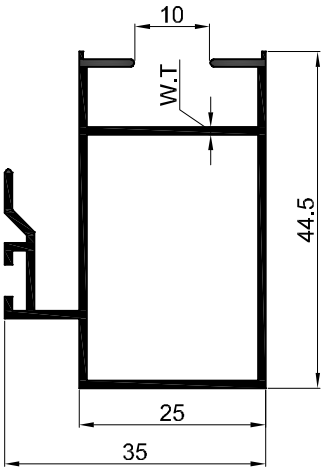
15162A
(0.598 Kg/m)
W.T = 1.10 mm



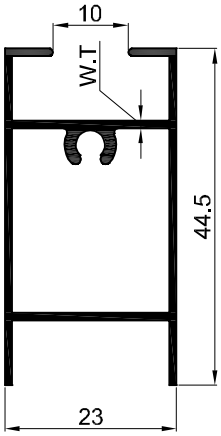
12165
(0.864 Kg/m)
W.T = 1.05 mm

FLY SCREEN INSIDE

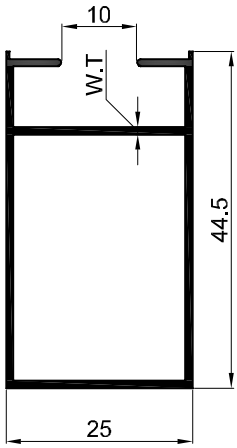
OMAN PROFILES



21098
(0.414 Kg/m)

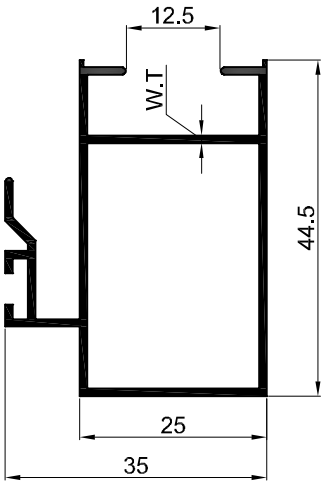


21099
(0.351 Kg/m)

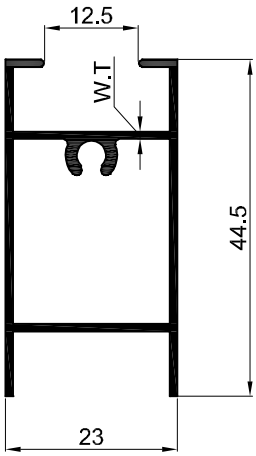


15215
(0.397 Kg/m)
W.T = 1.0 mm

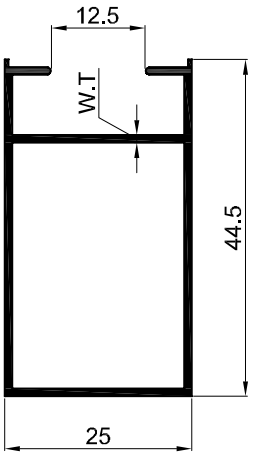
21097
(0.322 Kg/m)
W.T = 0.8 mm



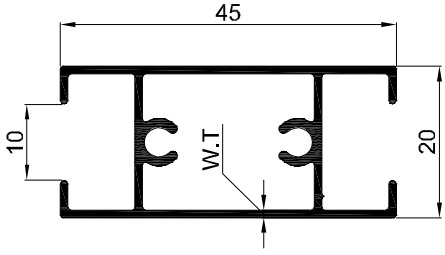
15216
(0.489 Kg/m)
W.T = 1.0 mm



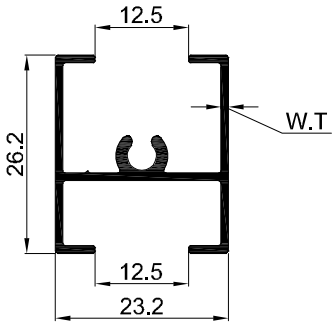
15217
(0.421Kg/m)
W.T = 1.0 mm



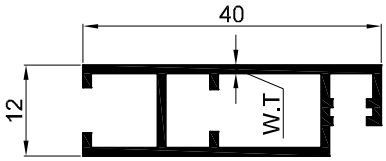
15218
(0.390 Kg/m)
W.T = 1.0 mm



21652
(0.453 Kg/m)
W.T = 1.00 mm



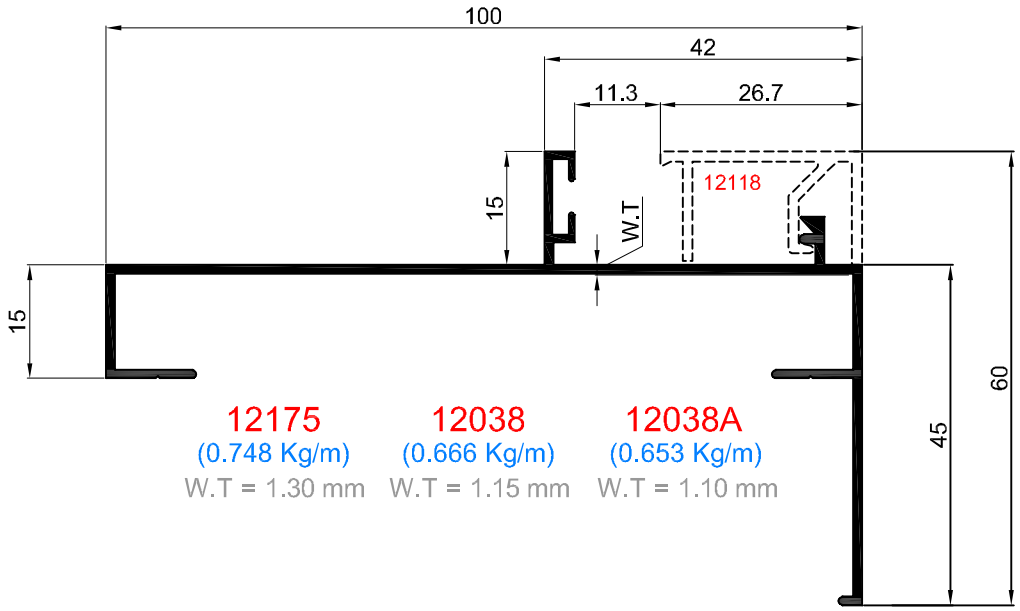
12434
(0.291 Kg/m)
W.T = 1.00 mm



15006A
(0.290 Kg/m)
W.T = 0.95 mm

15006
(0.328 Kg/m)
W.T = 1.10 mm

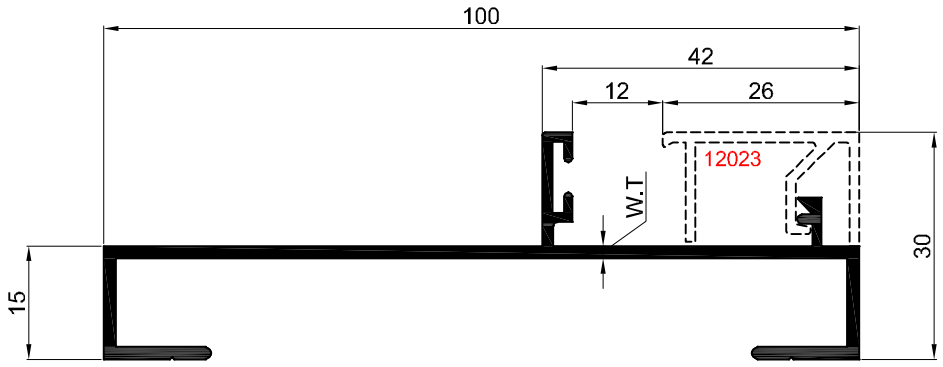
OMAN PROFILES



12175 (0.748 Kg/m) W.T = 1.30 mm

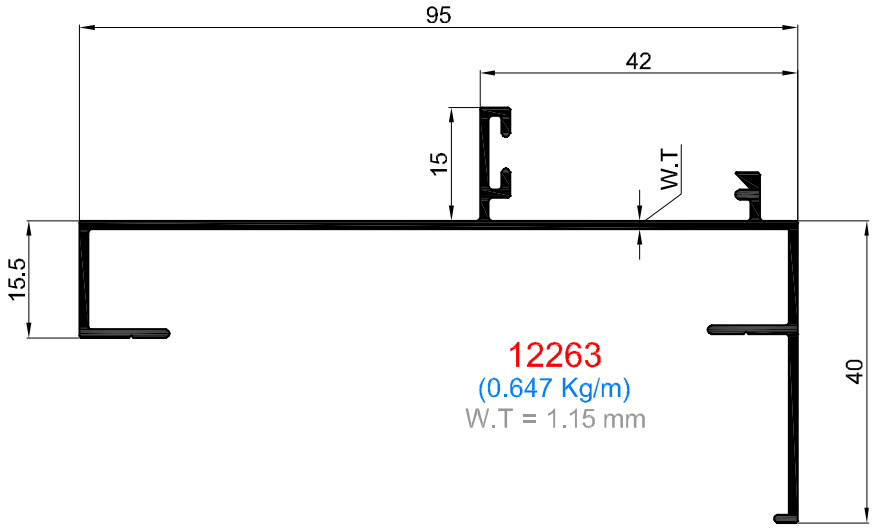
12038 (0.666 Kg/m) W.T = 1.15 mm

12038A (0.653 Kg/m) W.T = 1.10 mm



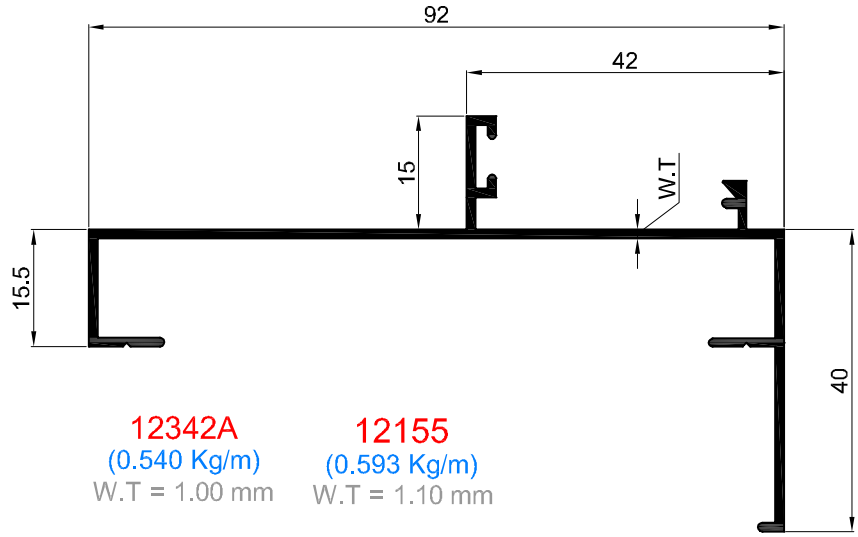
12037 (0.800 Kg/m) W.T = 1.65 mm

12037A (0.558 Kg/m) W.T = 1.10 mm



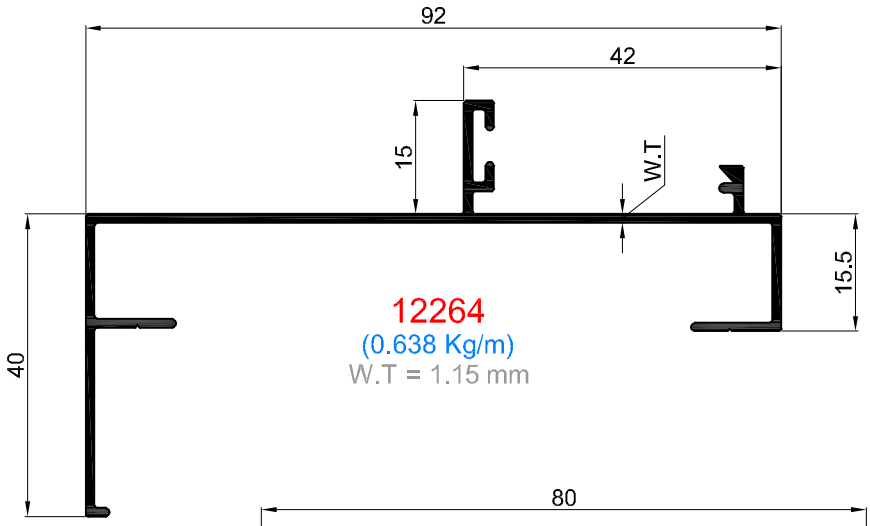
12263 (0.647 Kg/m) W.T = 1.15 mm

OMAN PROFILES

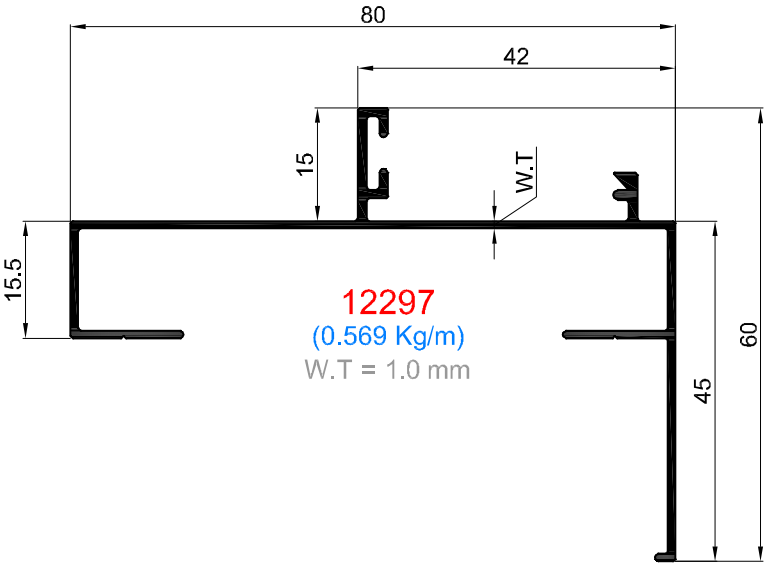


12342A
(0.540 Kg/m)
W.T = 1.00 mm

12155
(0.593 Kg/m)
W.T = 1.10 mm

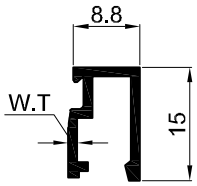


12264
(0.638 Kg/m)
W.T = 1.15 mm

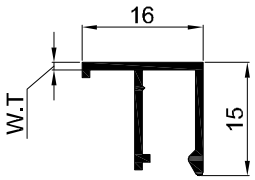


12297
(0.569 Kg/m)
W.T = 1.0 mm

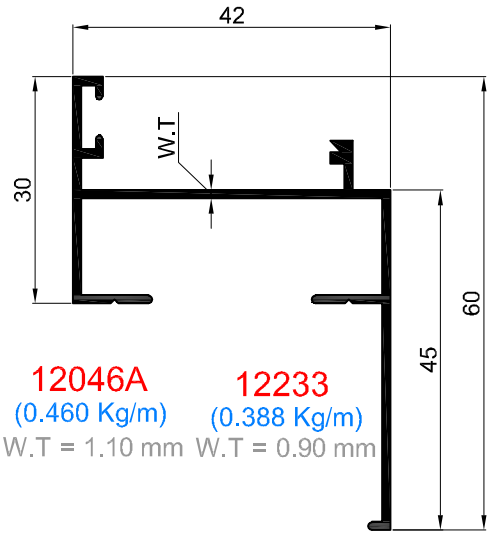
OMAN PROFILES



12025
(0.133 Kg/m)
W.T = 1.20 mm

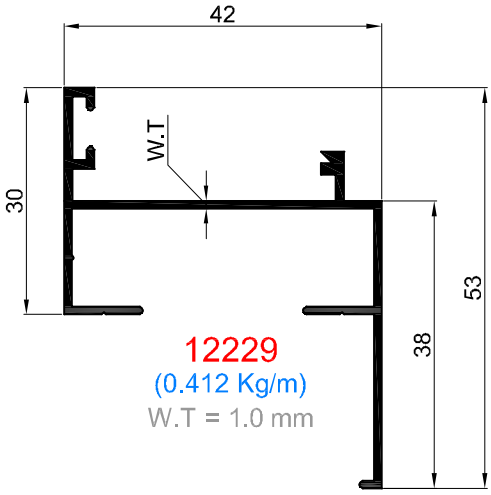


19885
(0.127 Kg/m)
W.T = 1.00 mm

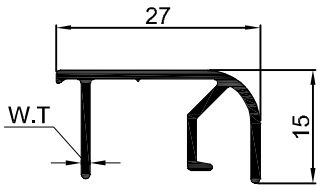


12046A
(0.460 Kg/m)
W.T = 1.10 mm

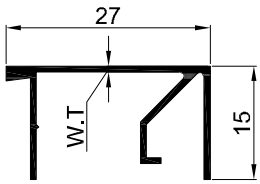
12233
(0.388 Kg/m)
W.T = 0.90 mm



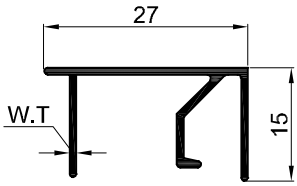
12229
(0.412 Kg/m)
W.T = 1.0 mm



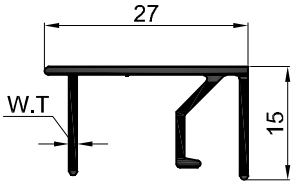
12471
(0.184 Kg/m)
W.T = 1.00 mm



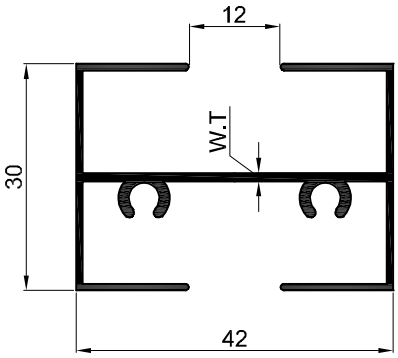
19884
(0.165 Kg/m)
W.T = 0.80 mm



12211
(0.175 Kg/m)
W.T = 0.90 mm

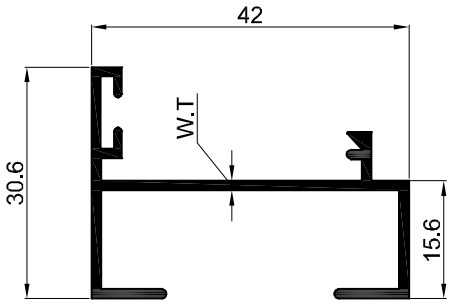


12154
(0.210 Kg/m)
W.T = 1.10 mm

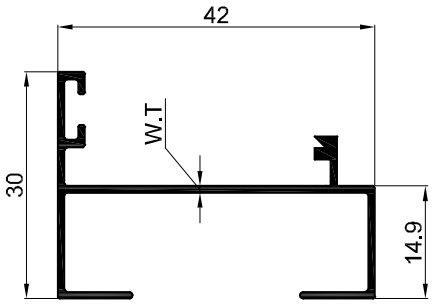


12193
(0.477 Kg/m)
W.T = 0.90 mm

12232
(0.496 Kg/m)
W.T = 1.0 mm

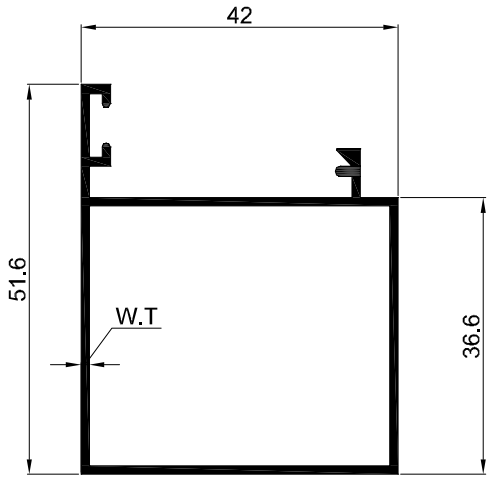


12043A
(0.365 Kg/m)
W.T = 1.10 mm



12181
(0.305 Kg/m)
W.T = 0.90 mm

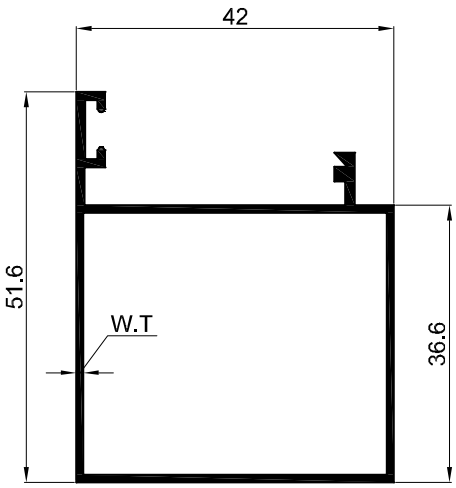
OMAN PROFILES



15040A (0.561 Kg/m) W.T = 1.10 mm

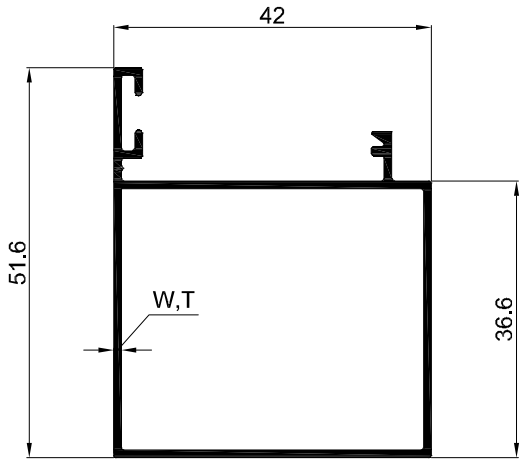
15040B (0.520 Kg/m) W.T = 1.0 mm

15040C (0.502 Kg/m) W.T = 0.95 mm

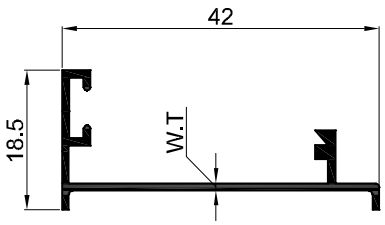


15269 (0.498 Kg/m) W.T = 0.95 mm

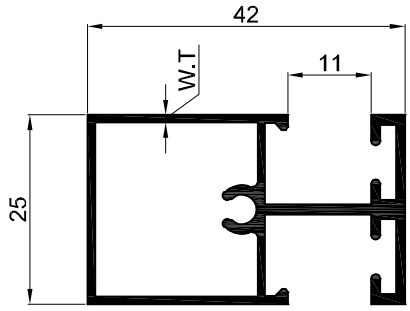
15292 (0.519 Kg/m) W.T = 1.0 mm



15189
(0.512 kg/m)
W.T = 1.0 mm

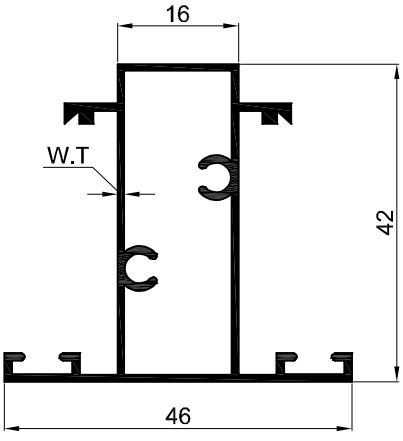


12196
(0.210 Kg/m)
W.T = 0.90 mm



15033A (0.521 Kg/m) W.T = 1.0 mm

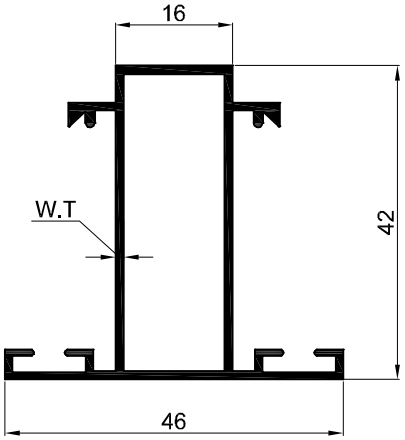
21106 (0.417 Kg/m)



15242 (0.519 Kg/m) W.T = 0.90 mm

15282 (0.549 Kg/m) W.T = 1.0 mm

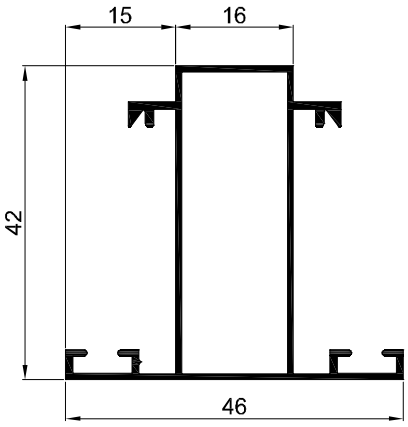
OMAN PROFILES



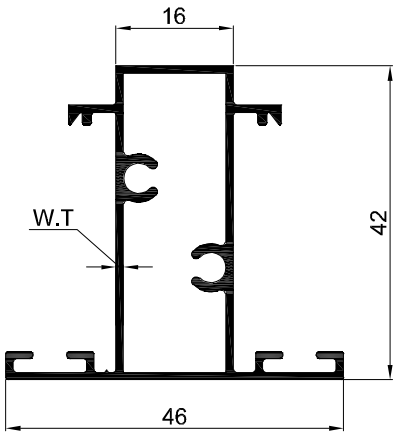
15058A
(0.475 Kg/m)
W.T = 0.90 mm

15058B
(0.451 Kg/m)
W.T = 0.85 mm

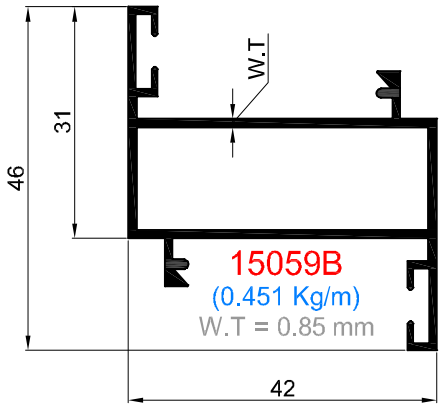
15058
(0.552 Kg/m)
W.T = 1.15 mm



21105
(0.426 Kg/m)



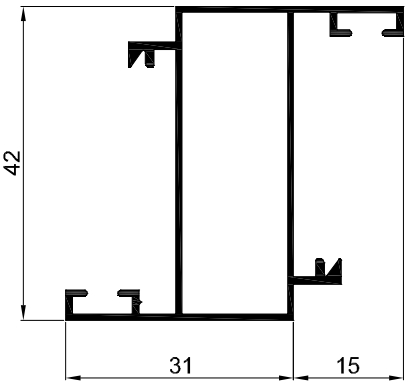
15190
(0.568 kg/m)
W.T = 1.00 mm



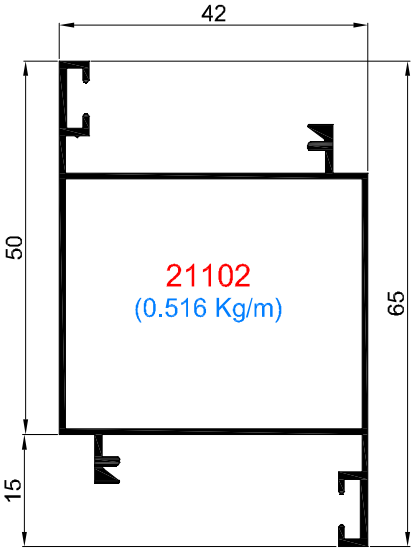
15059B
(0.451 Kg/m)
W.T = 0.85 mm

15059
(0.552 Kg/m)
W.T = 1.15 mm

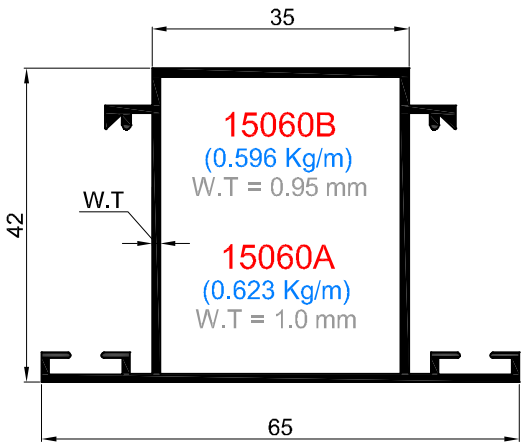
15059A
(0.475 Kg/m)
W.T = 0.90 mm



21103
(0.426 Kg/m)

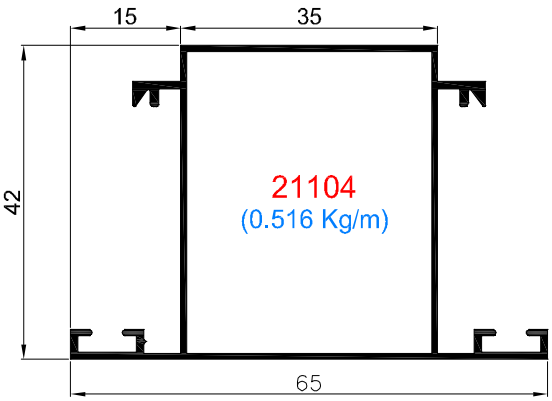


21102
(0.516 Kg/m)



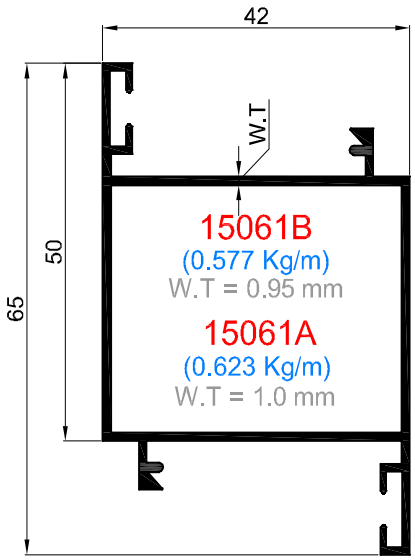
15060B
(0.596 Kg/m)
W.T = 0.95 mm

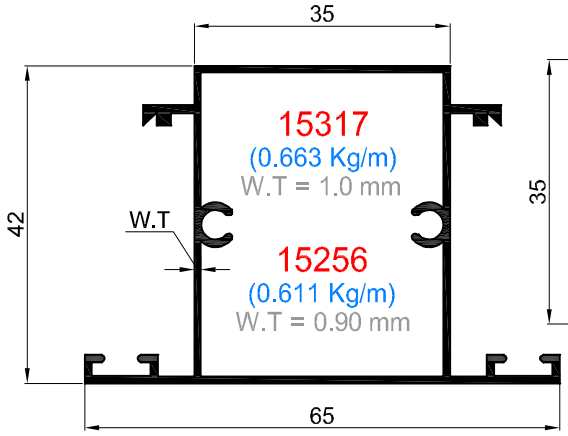
15060A
(0.623 Kg/m)
W.T = 1.0 mm

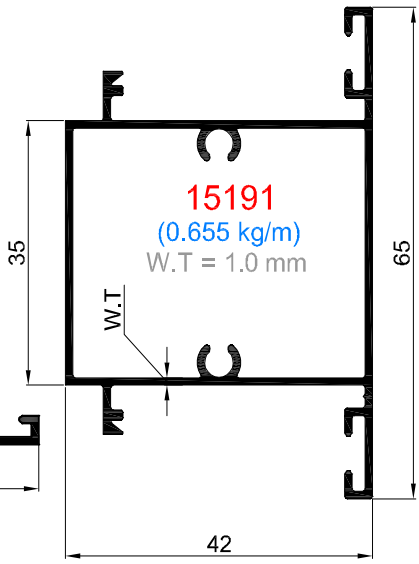


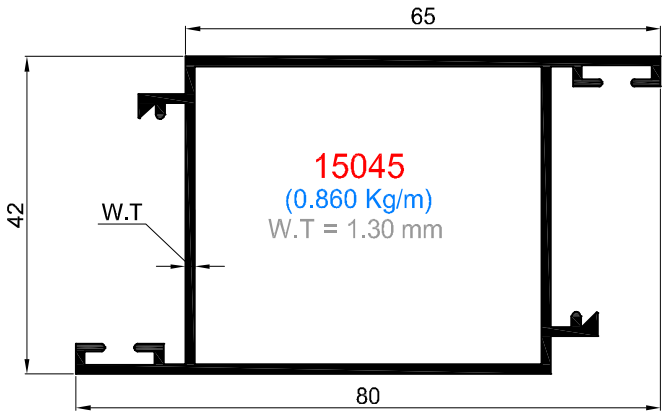
21104
(0.516 Kg/m)

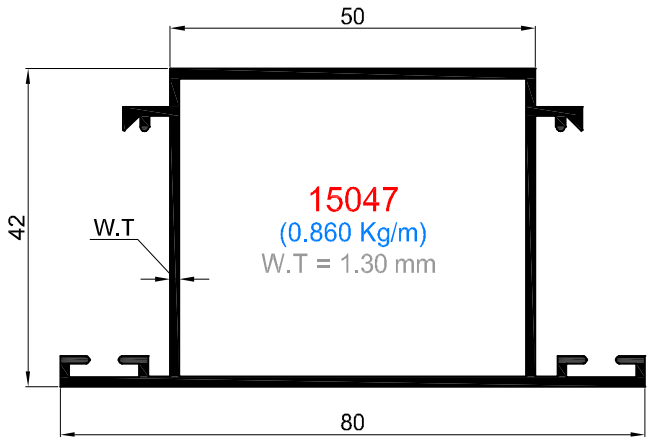
OMAN PROFILES

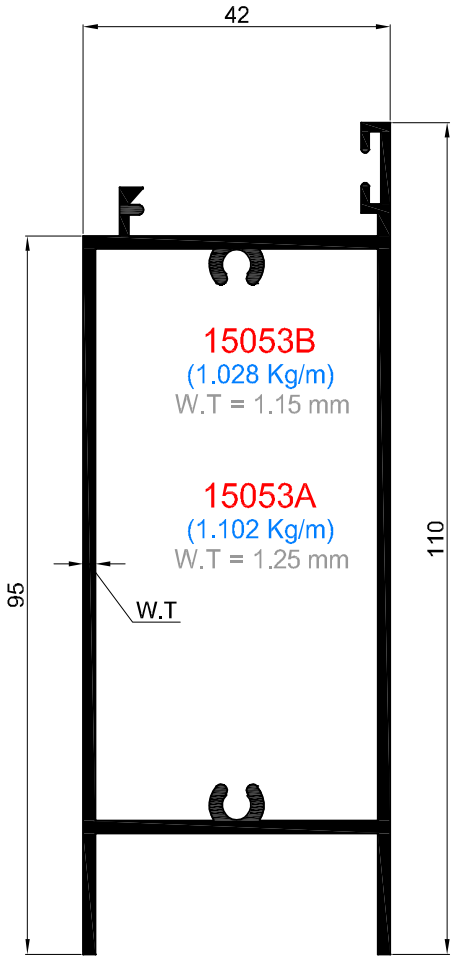




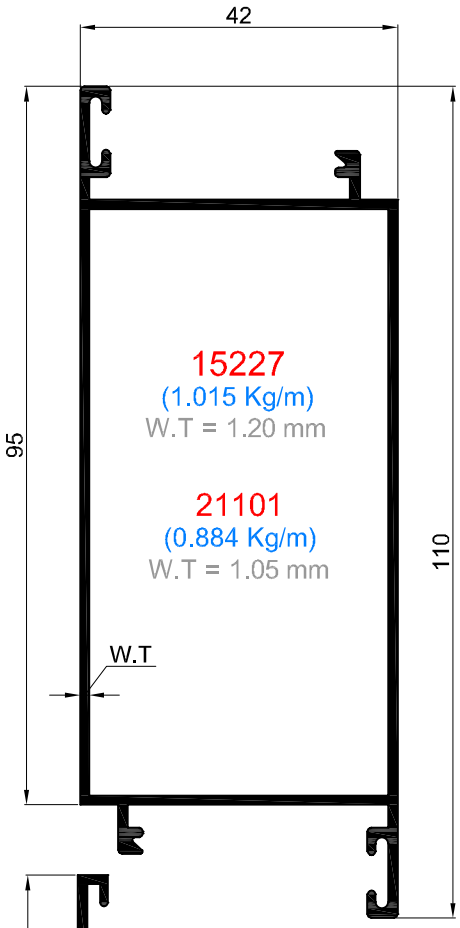


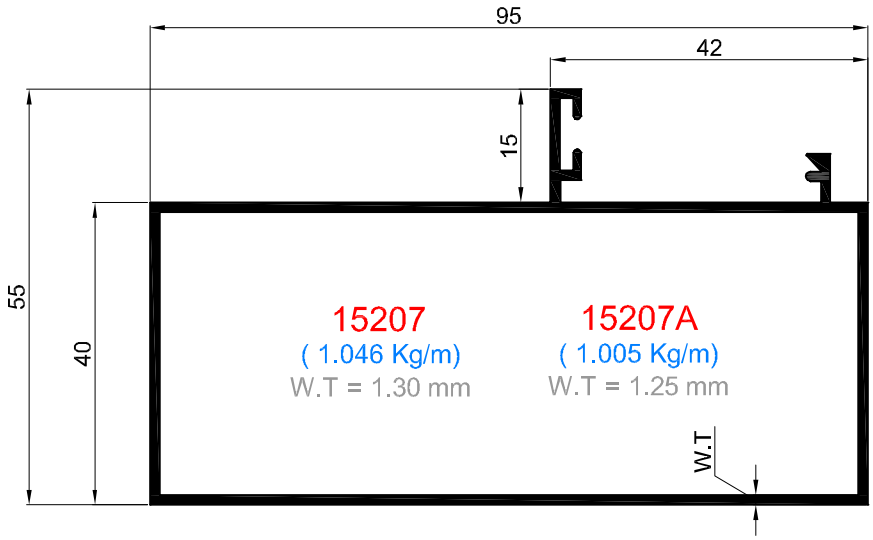


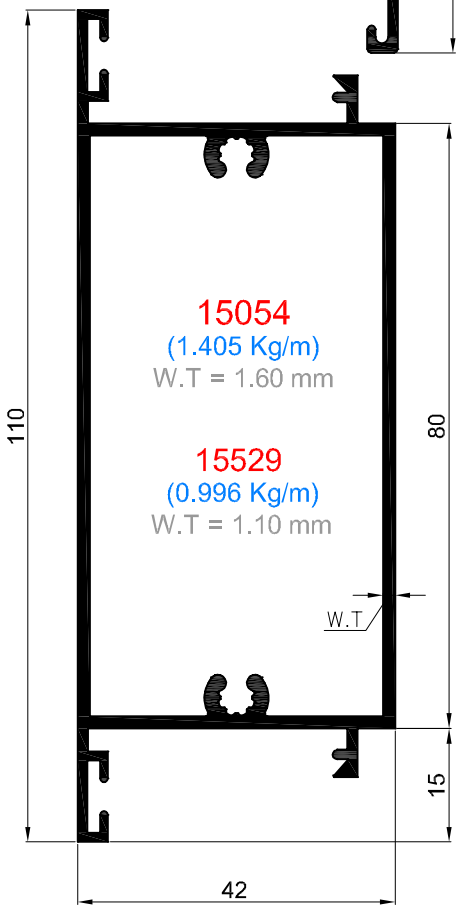


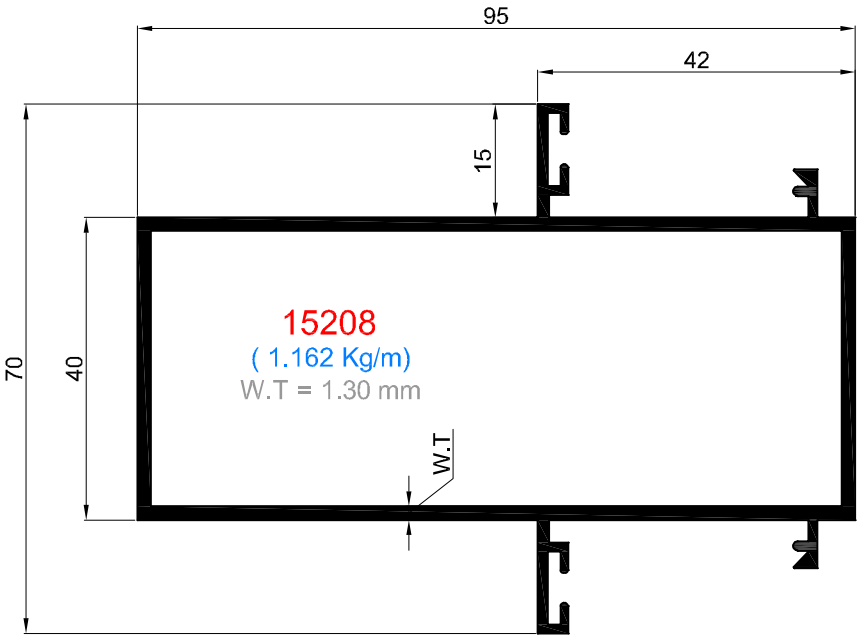


OMAN PROFILES

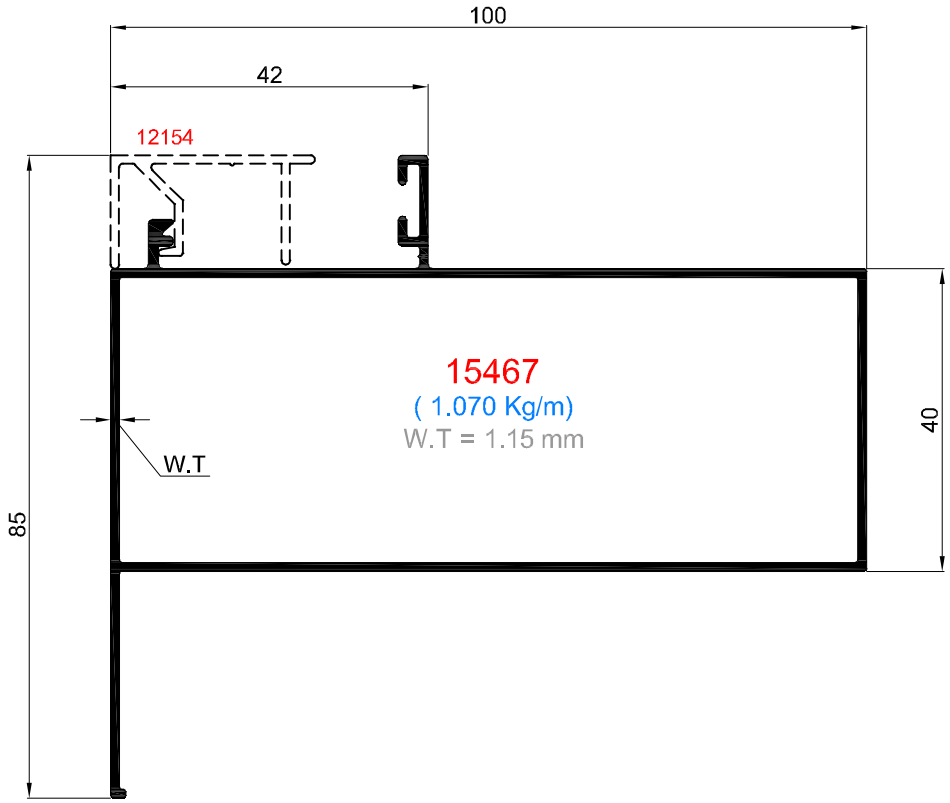


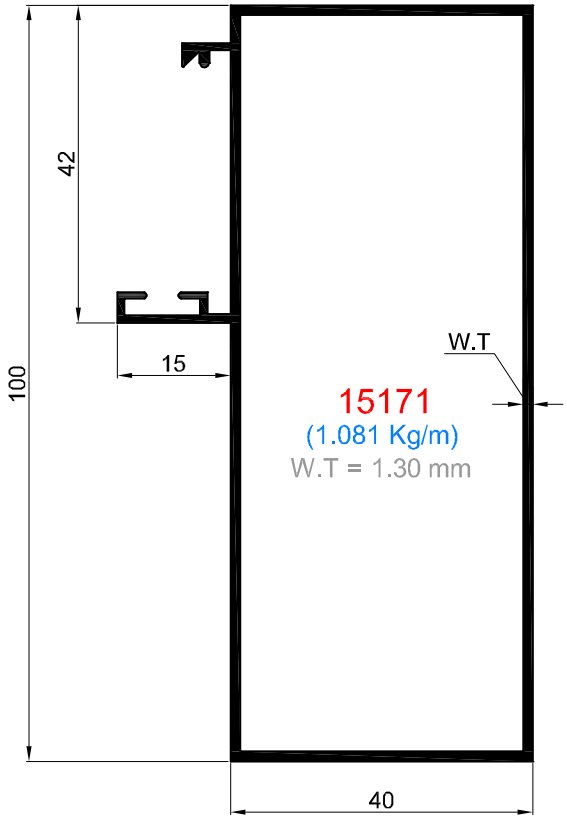


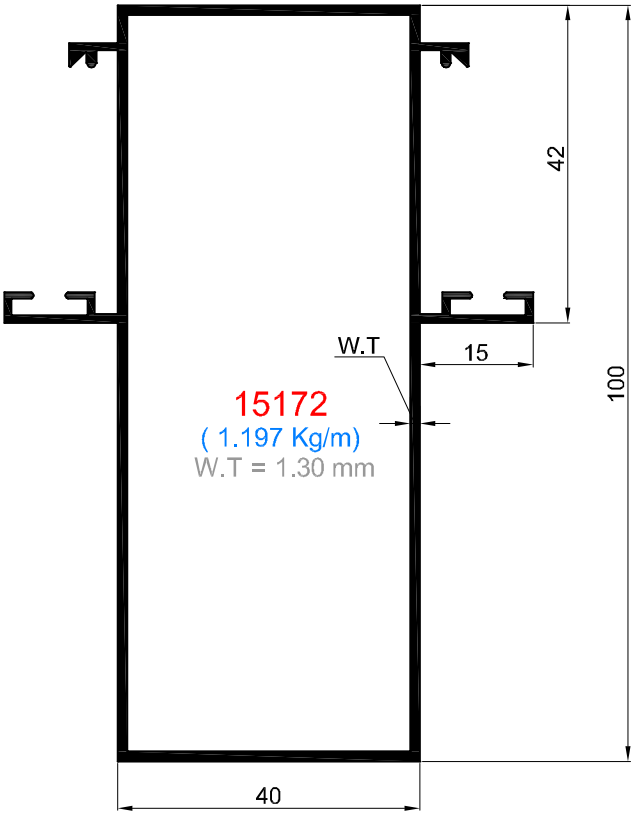




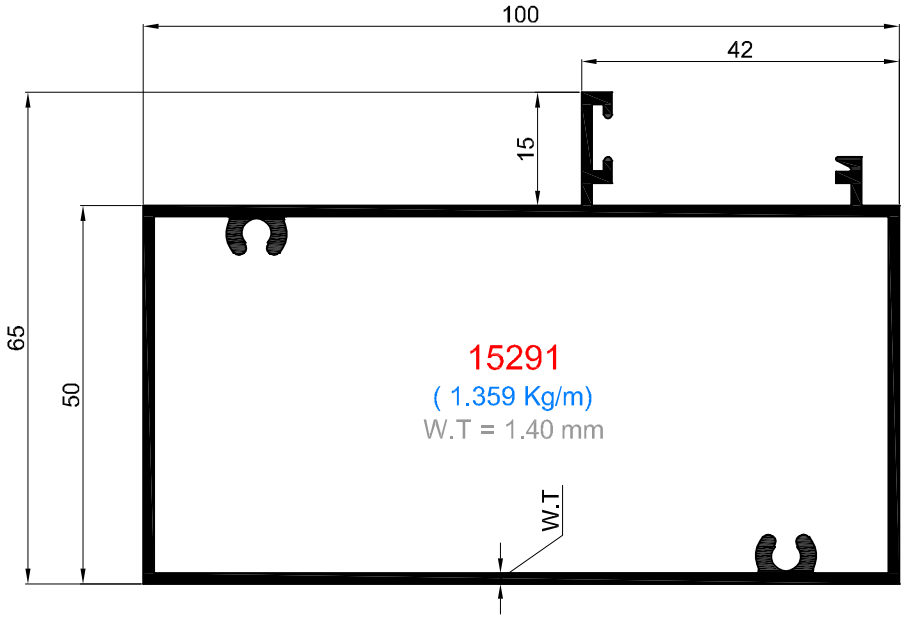
OMAN PROFILES

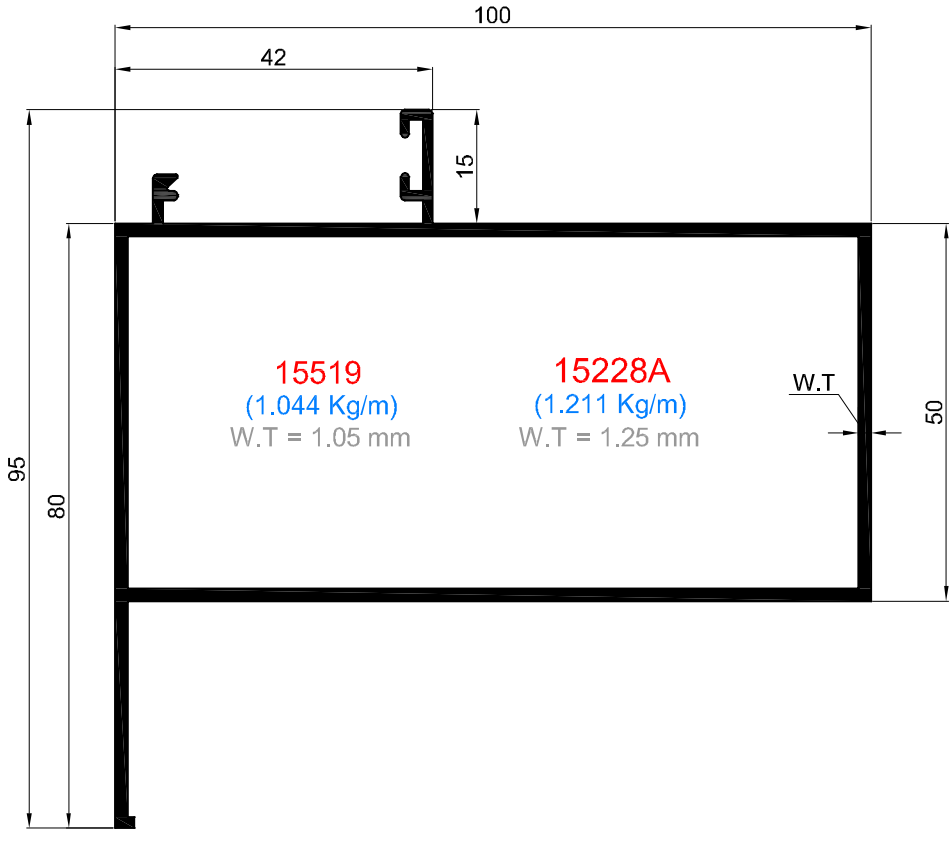




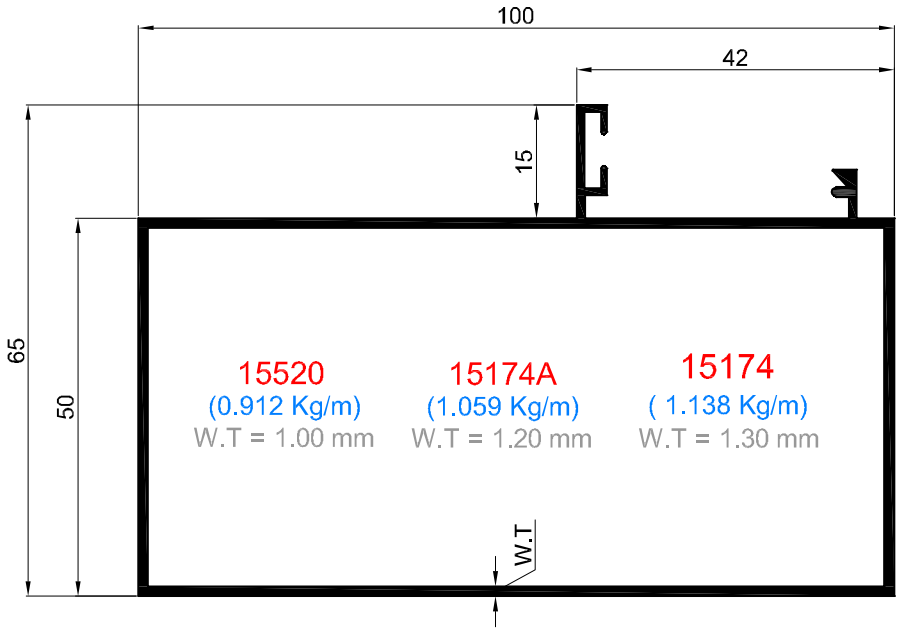


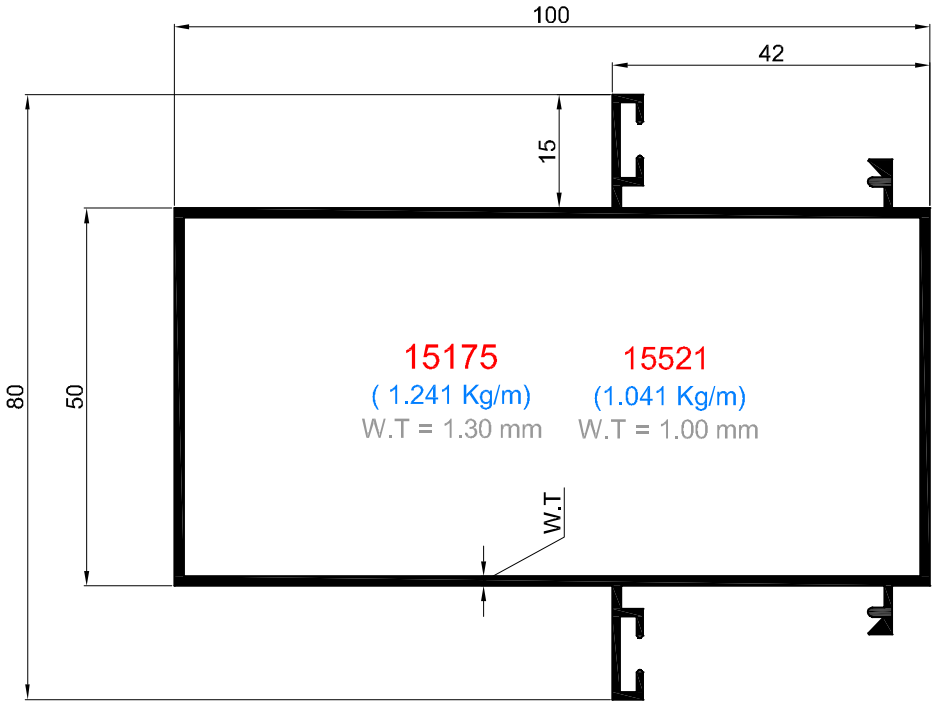
OMAN PROFILES



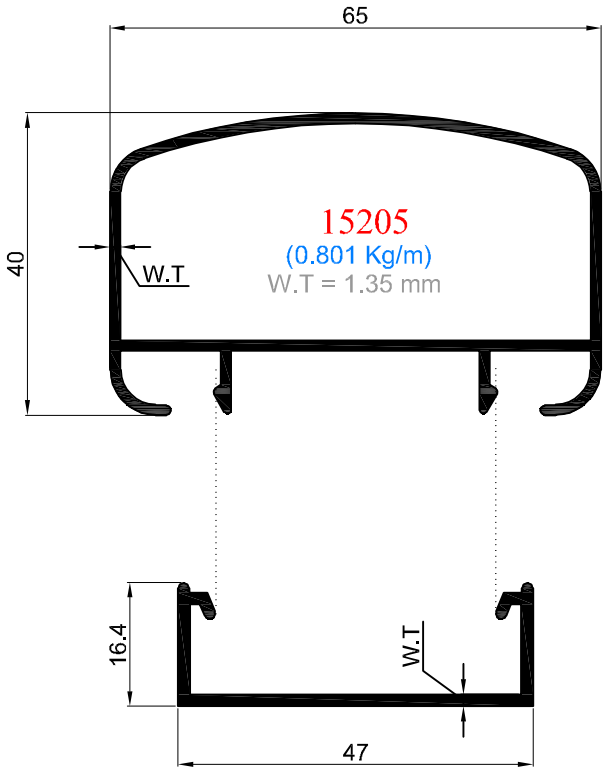


OMAN PROFILES



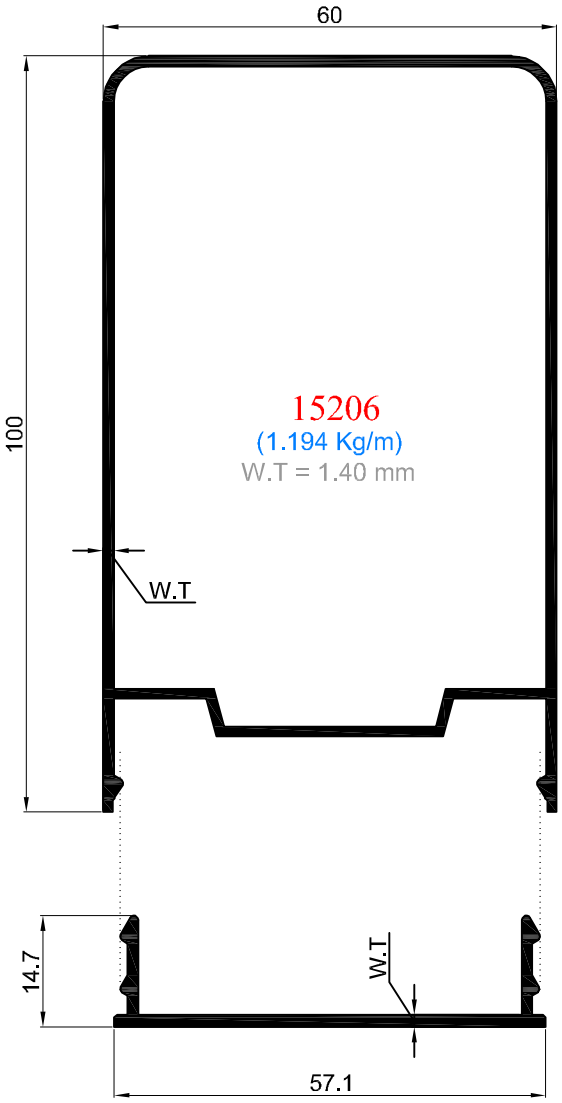


OMAN PROFILES



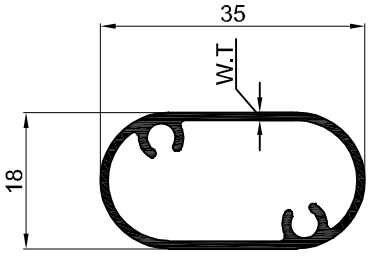
15205
(0.801 Kg/m)
W.T = 1.35 mm

12152
(0.366 Kg/m)
W.T = 1.60 mm

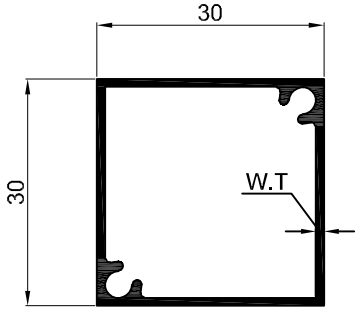


15206
(1.194 Kg/m)
W.T = 1.40 mm

12153
(0.362 Kg/m)
W.T = 1.60 mm

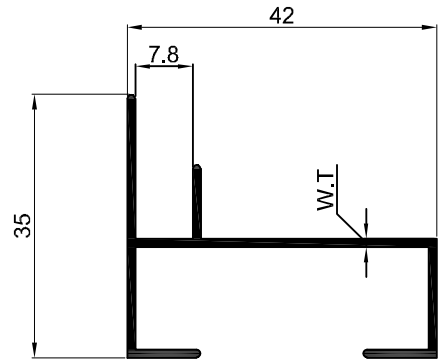


15071A
(0.300 Kg/m)
W.T = 1.0 mm

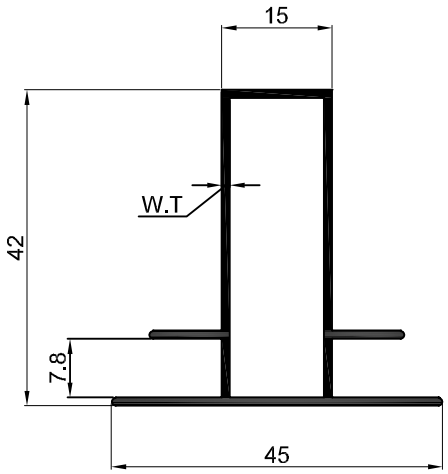


15066B
(0.322 Kg/m)
W.T = 0.90 mm

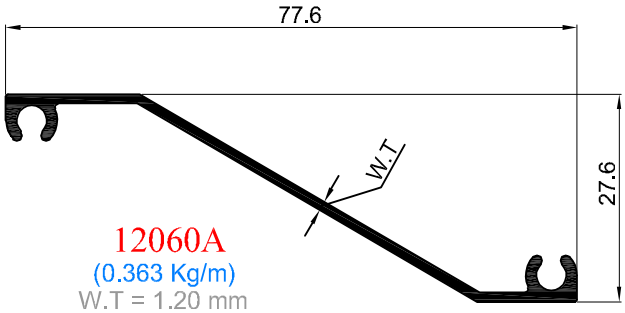
OMAN PROFILES



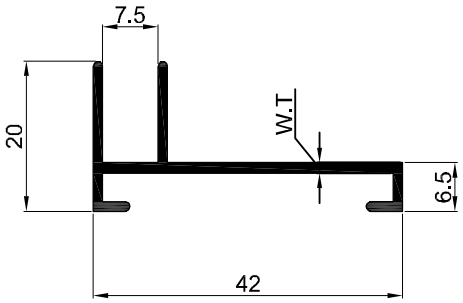
12058A
(0.350 Kg/m)
W.T = 1.10 mm



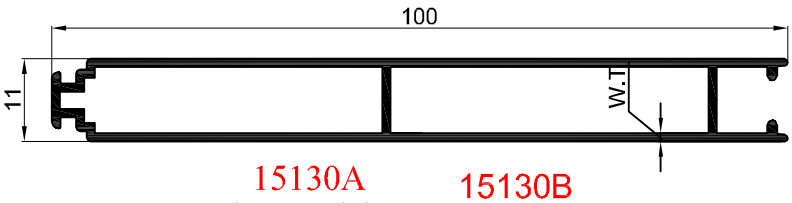
15063A
(0.472 Kg/m)
W.T = 1.10 mm



12060A
(0.363 Kg/m)
W.T = 1.20 mm

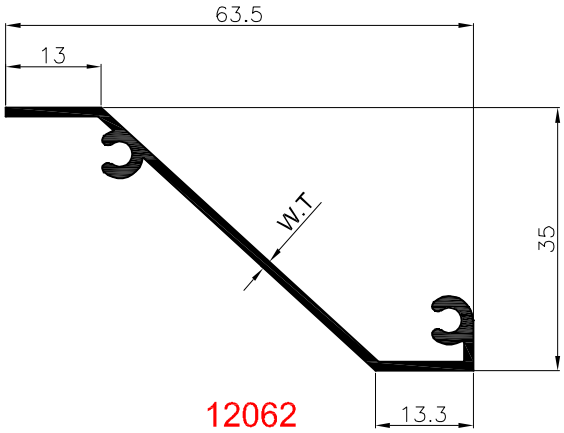


12163
(0.313 Kg/m)
W.T = 1.30 mm



15130A
(0.570 Kg/m)

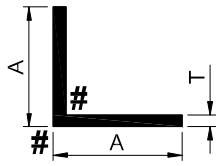
15130B
(0.560Kg/m)



12062
(0.347 Kg/m)
W.T = 1.20 mm

STANDARD PROFILES

EQUAL ANGLES

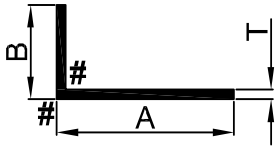


SL.NO	DIE NO.	A (in mm)	T (in mm)	Kg/mtr.
1	11025	10.00	2.00	0.097
2	11031 *	12.00	2.00	0.120
3	11001	15.00	1.50	0.115
4	11050	15.00	1.10	0.086
5	11032	15.00	2.00	0.151
6	11029	20.00	0.90	0.095
7	11002	20.00	1.05	0.110
8	11003	20.00	1.40	0.146
9	11004	20.00	1.50	0.156
10	11005	20.00	2.00	0.205
11	11033	20.00	3.00	0.300
12	11006	25.00	1.00	0.132
13	11007	25.00	1.40	0.184
14	11008	25.00	2.00	0.259
15	11009	25.00	3.00	0.381
16	11034*	25.00	5.00	0.608
17	11060	27.00	2.50	0.347
18	11062	27.00	2.70	0.374
19	11010	30.00	1.00	0.159
20	11011	30.00	1.30	0.206
21	11023	30.00	1.50	0.237
22	11012	30.00	2.00	0.313
23	11013	30.00	2.50	0.388
24	11051	30.00	2.80	0.432
25	11014	30.00	3.00	0.462
26	11015	30.00	4.00	0.605
27	11035*	32.00	3.00	0.494
28	11026	35.00	3.00	0.543
29	11016	35.00	3.50	0.628
30	11058	37.00	2.80	0.538
31	11059	37.00	3.40	0.648

SL.NO	DIE NO.	A (in mm)	T (in mm)	Kg/mtr.
32	17816	38.10	1.65	0.332
33	11036	40.00	1.85	0.391
34	11017	40.00	2.00	0.421
35	11030	40.00	2.50	0.524
36	11069	40.00	2.85	0.594
37	11018	40.00	3.00	0.624
38	11056	40.00	3.20	0.664
39	11068	40.00	3.80	0.782
40	11019	40.00	4.00	0.821
41	11037	40.00	5.00	1.013
42	11053	45.00	2.00	0.475
43	11038*	45.00	3.00	0.705
44	11039	50.00	1.50	0.400
45	11040	50.00	2.00	0.530
46	11020	50.00	3.00	0.786
47	11041	50.00	4.00	1.037
48	11021	50.00	5.00	1.283
49	11067	50.00	6.00	1.520
50	11064	60.00	8.00	2.420
51	11042	75.00	3.00	1.191
52	11043	75.00	4.00	1.577
53	11044	75.00	5.00	1.985
54	11045	80.00	6.00	2.495
55	11066	80.00	8.00	3.281
56	11046*	80.00	8.00	3.283
57	11047*	90.00	4.00	1.901
58	11052	100.00	4.00	2.116
59	11048*	100.00	4.80	2.530
60	11049*	100.00	6.00	3.143
61	11065	100.00	8.00	4.144
62	11027	100.00	10.00	5.130

*Subject to inquiry #with corner radius (inside/outside) F = Full Radius

UNEQUAL ANGLES

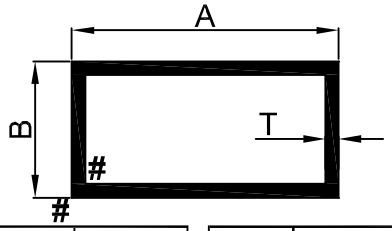


SL.NO	DIE NO.	A (in mm)	B (in mm)	T (in mm)	Kg/mtr.
1	11565	20.00	10.00	2.00	0.153
2	11501	20.00	15.00	2.00	0.178
3	11502	20.00	16.00	3.00	0.267
4	11515	20.00	40.00	3.00	0.461
5	11516*	20.00	50.00	1.90	0.349
6	11503	25.00	13.00	3.00	0.284
7	11517	25.00	15.00	2.00	0.206
8	11518	25.00	17.00	2.00	0.216
9	11549	25.00	20.00	2.00	0.232
10	11519	30.00	15.00	3.00	0.340
11	11545	30.00	18.00	1.20	0.152
12	11520	30.00	25.00	2.00	0.286
13	11514	30.00	40.00	2.00	0.367
14	11521	35.00	20.00	2.00	0.286
15	11522	36.00	30.00	1.50	0.261
16	11523*	38.00	24.00	1.80	0.293
17	11561	39.20	34.60	2.0,2.5	0.431
18	11566	40.00	20.00	1.30	0.206
19	11524	40.00	20.00	2.00	0.313
20	11562	50.00	12.00	1.80	0.293
21	11504	50.00	15.00	2.00	0.340
22	11546	50.00	18.00	1.20	0.216
23	11505	50.00	20.00	1.20	0.223
24	11526	50.00	20.00	2.00	0.367
25	11527	50.00	25.00	2.30	0.452
26	11528	50.00	25.00	2.50	0.490
27	11544	50.00	30.00	2.00	0.421
28	11529	50.00	30.00	3.00	0.624
29	11530*	50.00	40.00	3.00	0.705
30	11531*	50.00	40.00	5.00	1.148
31	11559	50.00	40.00	6.00	1.360
32	11532	55.00	30.00	1.50	0.340
33	11533	60.00	30.00	1.50	0.358
34	19147	60.00	35.00	3.00	0.745

SL.NO	DIE NO.	A (in mm)	B (in mm)	T (in mm)	Kg/mtr.
35	11556	65.00	50.00	10.00	2.835
36	11506	70.00	25.00	2.00	0.502
37	11567	70.00	30.00	3.00	0.786
38	11513	70.00	50.00	6.00	1.846
39	11558	74.50	90.00	10.00	4.172
40	11534*	75.00	12.00	1.50	0.346
41	11507	75.00	50.00	3.00	0.988
42	11511	75.00	50.00	5.00	1.620
43	12127	76.00	13.00	1.80	0.424
44	11563	76.20	50.80	4.60	1.520
45	11535	80.00	50.00	2.80	0.962
46	11554	80.00	50.00	3.00	1.028
47	11536	90.00	50.00	5.00	1.823
48	11564	100.00	15.00	2.00	0.610
49	11510	100.00	50.00	3.00	1.191
50	11537*	100.00	50.00	4.00	1.577
51	11538	100.00	50.00	6.00	2.333
52	11560	100.00	50.00	10.00	3.780
53	11508	100.00	60.00	8.00	3.320
54	11509#	100.00	80.00	8.00	3.730
55	11539*	100.00	80.00	8.00	3.715
56	11540	105.00	25.00	2.50	0.861
57	11541*	110.00	50.00	4.00	1.685
58	11553	110.00	80.00	8.00	3.931
59	11548	120.00	18.00	1.50	0.553
60	11542	120.00	75.00	6.00	3.062
61	11512	125.00	75.00	5.00	2.632
62	11550	135.00	20.00	5.00	0.826
63	11543	150.00	50.00	4.00	2.117
64	11552	155.00	80.00	4.00	2.494
65	11555	190.00	65.00	12.00	7.871
66	11557	200.00	150.00	12.00	10.948
67	11551	250.00	50.00	6.00	4.763

*Subject to inquiry #with corner radius (inside/outside) F = Full Radius

RECTANGULAR TUBES

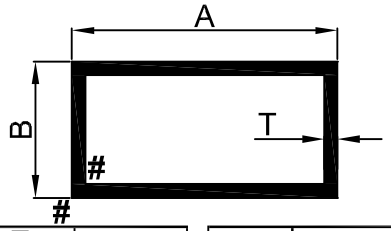


SL.NO	DIE NO	A (in mm)	B (in mm)	T (in mm)	Kg/mtr.
1	13045	20.00	10.00	1.50	0.218
2	17532	20.00	12.00	1.30	0.206
3	13046	25.00	15.00	2.00	0.389
4	13139	28.00	18.00	2.00	0.454
5	13127	30.00	15.00	2.00	0.443
6	13131	30.00	15.00	2.50	0.540
7	17501A	37.00	24.00	0.80	0.256
8	17501	37.00	24.00	0.90	0.288
9	17542	37.00	24.00	1.00	0.319
10	13153	38.10	15.90	1.20	0.334
11	13000	40.00	15.00	1.50	0.421
12	13116	40.00	20.00	0.80	0.252
13	13001	40.00	20.00	0.90	0.283
14	13002	40.00	20.00	1.00	0.313
15	13047	40.00	20.00	1.20	0.373
16	13048A	40.00	20.00	1.40	0.432
17	13048	40.00	20.00	1.50	0.462
18	13003	40.00	20.00	1.80	0.548
19	13004	40.00	20.00	2.00	0.605
20	13049	40.00	20.00	2.50	0.743
21	13050*	40.00	20.00	2.80	0.823
22	13051	40.00	20.00	3.00	0.875
23	13052	40.00	25.00	2.00	0.659
24	13053	40.00	30.00	3.00	1.037
25	17513	48.00	24.00	0.80	0.304
26	13029	48.00	24.00	0.90	0.341
27	13143	50.00	10.00	2.00	0.605
28	13043	50.00	15.00	1.50	0.502
29	13005	50.00	20.00	1.80	0.645
30	13160	50.00	20.00	3.00	1.036
31	13054*	50.00	24.00	2.00	0.756
32	17527	50.00	25.00	1.00	0.394
33	18953	50.00	25.00	1.50	0.583
34	13055	50.00	25.00	1.80	0.694

SL.NO	DIE NO	A (in mm)	B (in mm)	T (in mm)	Kg/mtr.
35	13056	50.00	25.00	2.00	0.767
36	13142	50.00	25.00	2.50	0.945
37	13057	50.00	25.00	3.00	1.118
38	13059	50.00	30.00	3.00	1.199
39	13060*	50.00	35.00	3.00	1.280
40	13061	50.00	40.00	2.00	0.928
41	13156	55.00	25.00	6.00	2.203
42	13157	55.00	25.00	6.0,3.0	1.353
43	13062*	60.00	20.00	1.50	0.624
44	13063	60.00	20.00	2.00	0.821
45	22777	60.00	25.00	2.00	1.080
46	13030	60.00	30.00	1.20	0.567
47	13064*	60.00	30.00	1.40	0.660
48	13065	60.00	30.00	1.80	0.840
49	13006	60.00	30.00	2.00	0.929
50	13007	60.00	30.00	2.50	1.148
51	13066	60.00	30.00	3.00	1.361
52	13067	60.00	40.00	2.00	1.037
53	13151	60.00	40.00	3.10	1.570
54	13113	60.00	40.00	5.00	2.430
55	17525A	63.50	38.10	0.80	0.434
56	17525	63.50	38.10	1.00	0.540
57	13068*	65.00	25.00	3.00	1.360
58	13069*	65.00	50.00	3.00	1.770
59	13070*	70.00	25.00	1.40	0.697
60	13071	70.00	25.00	3.00	1.442
61	18962	70.00	30.00	5.00	2.430
62	13072*	70.00	40.00	3.00	1.685
63	13135	74.00	45.00	1.50	0.940
64	13073	75.00	20.00	1.70	0.841
65	13074*	75.00	25.00	2.00	1.037
66	13075	75.00	25.00	2.50	1.283
67	13176	75.00	25.00	3.00	1.523
68	13076*	75.00	35.00	3.00	1.685

*Subject to inquiry #with corner radius (inside/outside)

RECTANGULAR TUBES

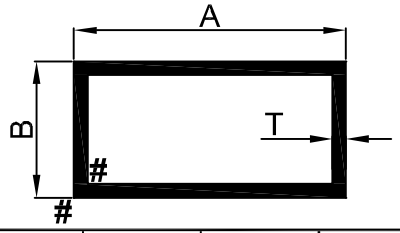


SL.NO	DIE NO.	A (in mm)	B (in mm)	T (in mm)	Kg/mtr.
69	13077	75.00	50.00	3.00	1.930
70	13158	76.20	25.40	3.20	1.645
71	13159	76.20	50.80	2.35	1.552
72	13040	80.00	15.00	0.80	0.403
73	13023	80.00	15.00	0.95	0.478
74	13037	80.00	20.00	0.90	0.477
75	13078	80.00	20.00	1.40	0.735
76	13079	80.00	20.00	2.00	1.037
77	13080*	80.00	25.00	2.00	1.090
78	13163	80.00	25.00	3.00	1.604
79	13164	80.00	30.00	2.75	1.552
80	13008	80.00	40.00	0.90	0.574
81	13026	80.00	40.00	0.95	0.606
82	13009	80.00	40.00	1.00	0.637
83	13031	80.00	40.00	1.10	0.699
84	13010	80.00	40.00	1.20	0.762
85	13011	80.00	40.00	1.50	0.948
86	13161	80.00	40.00	1.70	1.070
87	13081	80.00	40.00	1.80	1.131
88	13082	80.00	40.00	2.00	1.252
89	13083*	80.00	40.00	2.50	1.552
90	13114*	80.00	40.00	2.80	1.730
91	13084	80.00	40.00	3.00	1.847
92	13085	80.00	50.00	2.00	1.361
93	13086*	80.00	50.00	3.00	2.010
94	13155	90.00	20.00	2.00	1.145
95	13087*	90.00	25.00	2.00	1.199
96	13025	100.00	20.00	0.90	0.574
97	13021	100.00	20.00	1.00	0.637
98	13032	100.00	20.00	1.10	0.699
99	13012	100.00	20.00	1.20	0.762
100	13088	100.00	20.00	1.40	0.887
101	13089*	100.00	20.00	1.60	1.009
102	13090	100.00	20.00	2.00	1.253

SL.NO	DIE NO.	A (in mm)	B (in mm)	T (in mm)	Kg/mtr.
103	13118	100.00	25.00	1.80	1.180
104	13091	100.00	30.00	2.00	1.361
105	13092	100.00	30.00	2.50	1.688
106	13013	100.00	40.00	1.00	0.745
107	13014	100.00	40.00	1.30	0.965
108	13154	100.00	40.00	1.50	1.110
109	13093	100.00	40.00	1.80	1.326
110	13015	100.00	40.00	2.00	1.469
111	13094	100.00	40.00	3.00	2.171
112	13020	100.00	45.00	2.00	1.523
113	13095*	100.00	45.00	3.00	2.252
114	13120	100.00	50.00	1.00	0.799
115	13036	100.00	50.00	1.20	0.956
116	13035	100.00	50.00	1.50	1.191
117	13033B	100.00	50.00	2.00	1.577
118	13033A	100.00	50.00	2.50	1.957
119	13112	100.00	50.00	2.80	2.183
120	13033	100.00	50.00	3.00	2.333
121	13017	100.00	50.00	5.00	3.780
122	13140	100.00	60.00	2.00	1.685
123	13096*	100.00	60.00	3.00	2.495
124	13097	100.00	60.00	4.00	3.283
125	13098	100.00	80.00	3.80	3.540
126	13027	110.00	40.00	5.00	3.780
127	13028	110.00	50.00	5.00	4.050
128	22413	120.00	30.00	2.0,2.6	1.667
129	13150	120.00	40.00	1.70	1.438
130	13102	120.00	40.00	2.00	1.684
131	13100	120.00	50.00	3.80	3.332
132	13101	120.00	60.00	3.00	2.819
133	13103	125.00	20.00	2.00	1.523
134	13115	128.00	92.00	1.70	1.988
135	13126*	140.00	40.00	1.70	1.621
136	13018	140.00	50.00	2.00	2.010

*Subject to inquiry #with corner radius (inside/outside)

RECTANGULAR TUBES

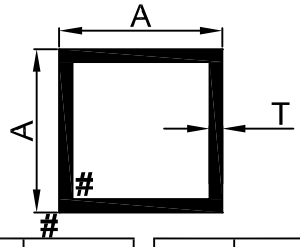


SL.NO	DIE NO.	A (in mm)	B (in mm)	T (in mm)	Kg/mtr.
137	13137	150.00	40.00	2.00	2.016
138	13130	150.00	20.00	1.60	1.441
139	13104	150.00	20.00	2.00	1.793
140	13038	150.00	50.00	2.00	2.117
141	13105	150.00	50.00	3.00	3.143
142	13152*	150.00	50.00	4.00	4.147
143	13106	150.00	60.00	4.00	4.363
144	22948	150.00	70.00	5.00	5.667
145	13107	150.00	75.00	3.00	3.548
146	13108	150.00	75.00	5.00	5.805
147	13162	150.00	100.00	2.00	2.656
148	13019	150.00	100.00	2.40	3.178
149	13109	150.00	100.00	3.00	3.953
150	13136	160.00	30.00	3.00	2.980
151	13186	160.00	50.00	6.00	6.415
152	13144	160.00	80.00	2.00	2.549
153	13185	160.00	150.00	6.00	9.655
154	13041	175.00	75.00	2.80	3.695
155	21192	180.00	40.00	4.00	4.579
156	13129	180.00	78.40	12.7,12.2	15.836
157	13128	180.00	101.0	12.7,11.5	16.527
158	13138	195.00	40.00	2.00	2.495
159	13141	200.00	25.00	3.30	3.892
160	13039	200.00	50.00	2.00	2.657
161	13110	200.00	50.00	3.00	3.953
162	13122	200.00	50.00	5.00	6.481
163	13134	200.00	60.00	2.00	2.765
164	13111A	200.00	80.00	2.00	2.981
165	13111	200.00	80.00	3.00	4.439
166	22949	200.00	80.00	3.50	5.159
167	13147	200.00	80.00	4.00	5.875
168	13121	200.00	100.00	3.00	4.763
169	22778	200.00	100.00	6.00	9.331
170	13119	200.00	150.00	3.00	5.573

*Subject to inquiry

#with corner radius (inside/outside)

SQUARE TUBES

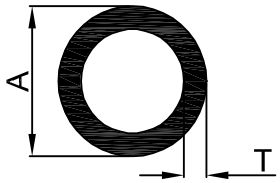


SL.NO	DIE NO.	A (in mm)	T (in mm)	Kg/mtr.
1	13500	12.00	1.20	0.140
2	13599 #	15.90	1.10	0.179
3	13559	15.90	1.14	0.179
4	13565	15.90	1.20	0.190
5	13530	16.00	3.00	0.421
6	13561	19.10	1.30	0.246
7	13561 #	19.10	1.30	0.246
8	13531	20.00	1.00	0.205
9	13551	20.00	1.40	0.281
10	13501	20.00	1.50	0.300
11	13526	20.00	1.90	0.371
12	13502	20.00	2.00	0.389
13	13532	20.00	2.50	0.473
14	13533	20.00	3.00	0.551
15	17516	23.00	0.80	0.192
16	13524	25.00	1.20	0.308
17	13534	25.00	1.50	0.381
18	13535*	25.00	1.80	0.451
19	13536	25.00	2.00	0.500
20	13537	25.00	3.00	0.713
21	13516	30.00	0.90	0.283
22	13523	30.00	1.00	0.313
23	13503	30.00	1.10	0.343
24	13504	30.00	1.50	0.462
25	13505	30.00	2.00	0.605
26	13538	30.00	3.00	0.875
27	13506	35.00	1.50	0.543
28	13552	40.00	0.85	0.360
29	13517	40.00	0.90	0.380
30	13518	40.00	1.00	0.421
31	13507	40.00	1.10	0.462
32	13553	40.00	1.50	0.624
33	13508	40.00	1.80	0.743
34	13509	40.00	2.00	0.821
35	13539	40.00	3.00	1.200
36	13540	40.00	4.00	1.556

SL.NO	DIE NO.	A (in mm)	T (in mm)	Kg/mtr.
37	13568	44.45	2.00	0.939
38	13510	45.00	2.00	0.929
39	13542*	45.00	3.00	1.361
40	13558	50.00	1.10	0.581
41	13511	50.00	1.50	0.786
42	13512	50.00	2.00	1.037
43	13543	50.00	2.50	1.283
44	13527	50.00	2.80	1.427
45	13513	50.00	3.00	1.523
46	18939	50.00	3.80	1.896
47	15600 #	50.00	4.00	1.941
48	13525	50.00	4.00	1.987
49	13567	50.00	5.00	2.430
50	15599 #	50.00	6.30	2.858
51	13590 #	50.80	1.40	0.742
52	13563	50.80	2.35	1.229
53	13564	50.80	3.00	1.548
54	13545	60.00	2.00	1.252
55	13514	60.00	3.00	1.847
56	13515	60.00	4.00	2.419
57	13546	70.00	2.00	1.470
58	13547	75.00	2.50	1.958
59	13566	75.00	3.00	2.333
60	13562	76.20	3.00	2.409
61	13548	80.00	2.00	1.684
62	13556	80.00	2.20	1.849
63	13549	80.00	3.00	2.495
64	13520	80.00	6.00	4.795
65	13528	100.00	2.00	2.117
66	13550	100.00	3.00	3.143
67	13529	100.00	4.00	4.147
68	13522	100.00	5.00	5.130
69	13521	100.00	6.00	6.091
70	13519	100.00	12.50	11.813
71	13570	150.00	3.00	4.763

*Subject to inquiry #with corner radius (inside/outside)

ROUND TUBES

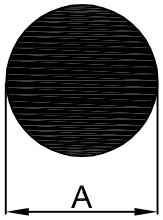


SL.NO	DIE NO.	A (in mm)	T (in mm)	Kg/mtr.
1	14024*	7.80	1.00	0.058
2	14025*	8.00	1.50	0.083
3	14026	14.00	1.50	0.159
4	14027	16.00	3.00	0.331
5	14065	17.20	2.30	0.291
6	18936	18.00	2.50	0.329
7	14017	19.00	3.00	0.407
8	14028*	19.00	4.00	0.509
9	14029*	20.00	2.00	0.306
10	14030*	25.00	1.00	0.204
11	14059	25.00	1.50	0.300
12	14001	25.00	2.00	0.390
13	14031*	25.00	3.20	0.592
14	14032	25.00	4.00	0.713
15	18937	27.00	4.25	0.820
16	14002	30.00	2.00	0.475
17	14033	30.00	3.00	0.687
18	14034*	32.00	3.00	0.738
19	14035	33.50	4.00	1.001
20	14070	35.00	1.10	0.316
21	14036*	38.00	7.50	1.940
22	14004	40.00	2.00	0.645
23	14037*	40.00	2.50	0.795
24	14038*	40.00	4.00	1.221
25	14023	42.00	3.00	0.992
26	14069	42.20	3.60	1.184
27	14039*	42.50	6.00	1.860
28	14067	44.50	4.80	1.602
29	14040*	45.00	5.00	1.697
30	14041*	45.50	6.00	2.015
31	14068	46.00	3.75	1.344
32	14042	48.00	3.80	1.425
33	14043	48.00	4.00	1.493

SL.NO	DIE NO.	A (in mm)	T (in mm)	Kg/mtr.
34	90393	50.00	1.50	0.617
35	14006	50.00	2.00	0.814
36	14044	50.00	2.50	1.008
37	14058	50.00	2.90	1.158
38	14005	50.00	3.00	1.196
39	14045	50.00	4.00	1.561
40	14021	50.00	5.00	1.909
41	14064	51.40	2.30	0.958
42	14008	60.00	2.00	0.984
43	14007	60.00	3.00	1.450
44	14009	70.00	2.00	1.154
45	14046*	75.00	2.00	1.239
46	14047*	75.00	3.00	1.833
47	14016	75.00	5.00	2.970
48	22924	75.00	7.00	4.038
49	14048*	76.00	4.00	2.443
50	14011	77.30	2.00	1.277
51	14049	80.00	3.00	1.960
52	14013	80.00	4.40	2.822
53	14061	87.90	9.00	6.023
54	14050	90.00	2.50	1.855
55	18540	100.00	1.60	1.335
56	14051	100.00	2.00	1.665
57	14010	100.00	3.00	2.468
58	14052	100.00	4.00	3.258
59	14053*	100.00	5.00	4.030
60	14054	100.00	6.50	5.157
61	14055*	100.00	10.00	7.635
62	14066	102.00	3.00	2.520
63	14063	103.00	2.50	2.131
64	14057*	120.00	3.00	3.155
65	14056*	120.00	5.00	4.880
66	14012	130.00	3.00	3.232

*Subject to inquiry

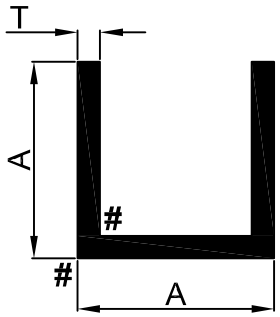
ROUND BARS



SL. NO.	DIE NO.	A (in mm)	Kg/mtr.
1	16302	12.00	0.305
2	16304	16.00	0.543
3	16305	20.00	0.848
4	16307	25.00	1.325
5	16306	25.50	1.379
6	19278	40.00	3.393
7	19279	50.00	5.301
8	19280	60.00	7.634

*Subject to inquiry

EQUAL CHANNELS

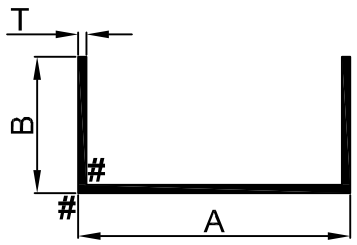


SL. NO.	DIE NO.	A (in mm)	T (in mm)	Kg/mtr.
1	14501	10.00	1.50	0.109
2	14513	12.00	1.50	0.134
3	14514	15.00	2.00	0.221
4	14515*	16.00	1.25	0.154
5	14512	18.50	0.80	0.116
6	14510	20.00	1.50	0.231
7	14503	20.00	2.00	0.302
8	14507	25.00	2.00	0.383
9	14516*	30.00	1.90	0.442
10	19883	60.00	3.00	1.409

#with corner radius (inside/outside)

*Subject to inquiry F = Full Radius

UNEQUAL CHANNELS

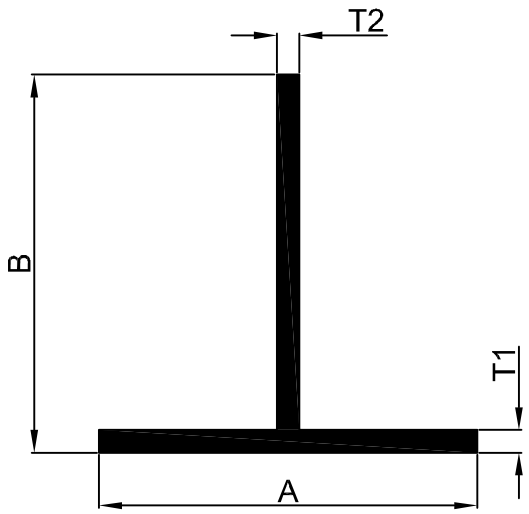


SL.NO	DIE NO.	A (in mm)	B (in mm)	T (in mm)	Kg/mtr.
1	14500	8.00	12.00	1.50	0.117
2	19210 #	8.25	14.00	1.10	0.102
3	19448	8.45	12.00	1.40	0.112
4	14559	8.60	18.00	1.30	0.148
5	14517*	9.00	8.00	1.00	0.062
6	14550	12.90	25.00	1.35	0.219
7	14518*	15.00	10.00	1.50	0.130
8	19814	15.00	20.00	2.00	0.275
9	14557	16.50	40.00	2.00	0.500
10	14519	17.00	15.00	2.00	0.231
11	14520*	20.00	10.00	1.40	0.141
12	14502	20.00	10.00	1.80	0.177
13	14521*	20.00	15.00	1.00	0.130
14	14522*	20.00	15.00	1.50	0.190
15	14504	20.00	30.00	3.25	0.645
16	14505	25.00	12.00	2.00	0.243
17	14506	25.00	15.00	1.50	0.211
18	14523	30.00	15.00	1.50	0.231
19	14524	30.00	20.00	1.50	0.271
20	14567	30.00	32.00	2.50	0.601
21	14563	30.00	50.00	3.00	1.004
22	14548	30.00	100.00	3.00	1.814
23	30366 #	31.00	20.00	1.60	0.288
24	14526	34.00	20.00	1.50	0.286
25	14511	38.00	20.00	1.50	0.304
26	14527 *	38.00	25.00	3.00	0.665
27	14508A	40.00	20.00	1.00	0.210
28	14566	40.00	20.00	1.10	0.230
29	14508	40.00	20.00	1.20	0.251

SL.NO	DIE NO.	A (in mm)	B (in mm)	T (in mm)	Kg/mtr.
30	14528	40.00	20.00	1.80	0.371
31	14509	45.00	20.00	1.20	0.268
32	14529*	45.00	25.00	2.00	0.491
33	14530*	45.00	25.00	3.00	0.721
34	14531	50.00	48.00	3.00	1.134
35	19166	50.00	120.00	6.00	4.504
36	14532*	52.00	20.00	2.50	0.804
37	14534	55.00	20.00	1.80	0.444
38	14552	58.00	40.00	1.50	0.547
39	14535	70.00	40.00	4.00	1.534
40	12428 #	72.00	85.00	8.00	4.853
41	14536*	75.00	40.00	5.00	1.958
42	14554	75.00	100.00	3.00	2.179
43	14537*	80.00	40.00	2.00	0.842
44	14538*	80.00	40.00	8.00	33.110
45	14541	100.00	25.00	2.00	0.789
46	14542*	100.00	30.00	1.50	0.636
47	14543*	100.00	30.00	2.50	1.047
48	14544*	100.00	40.00	1.65	0.787
49	14564	100.00	50.00	1.50	0.797
50	14545	100.00	50.00	2.00	1.058
51	14546	100.00	50.00	8.00	3.974
52	14568	120.00	35.00	2.50	1.249
53	14555	150.00	40.00	3.20	1.932
54	14561	160.00	80.00	11.00	8.848
55	14560	180.00	75.00	11.00	9.145
56	14562	200.00	90.00	8,10	8.749
57	14565	200.00	100.00	3.00	4.000
58	14558	250.00	100.00	3.00	3.596

*Subject to inquiry #with corner radius (inside/outside) F = Full Radius

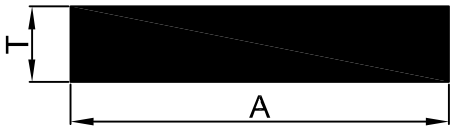
"T" SECTIONS



SL. NO	DIE NO.	A (in mm)	B (in mm)	T1 (in mm)	T2 (in mm)	Kg/mtr.
1	19506	19.00	50.00	3.00	3.00	0.534
2	16000	20.00	20.00	1.60	1.60	0.166
3	30644	40.00	40.00	4.00	4.00	0.820
4	16001	50.00	50.00	4.00	4.00	1.037
5	30651	70.00	33.00	4.00	4.00	1.068
6	30625	75.50	30.00	5.00	5.00	1.348
7	16002	80.00	50.00	2.75	2.75	0.922
8	16003	100.00	100.00	10.00	10.00	5.128

*Subject to inquiry #with corner radius (inside/outside) F = Full Radius

FLAT BARS

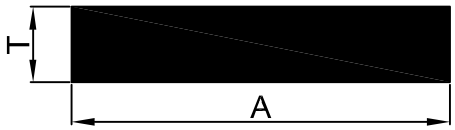


SL.NO	DIE NO.	A (in mm)	T (in mm)	Kg/mtr.
1	19175	11.00	3.00	0.089
2	16522	16.00	3.00	0.130
3	16523*	18.00	12.00	0.583
4	16586	18.00	15.00	0.729
5	16524	19.00	2.00	0.103
6	16525	19.00	3.00	0.154
7	16526*	19.00	6.00	0.308
8	16513	20.00	2.00	0.108
9	16527*	20.00	3.00	0.162
10	16528	20.00	5.00	0.270
11	16529*	25.00	1.50	0.101
12	16501	25.00	2.00	0.135
13	16502	25.00	3.00	0.203
14	16530	25.00	4.00	0.270
15	16532*	25.00	10.00	0.675
16	16533*	25.00	12.00	0.810
17	16534*	25.00	15.00	1.013
18	19194	27.00	12.00	0.907
19	16577	30.00	1.50	0.122
20	16535	30.00	2.00	0.162
21	16503	30.00	3.00	0.243
22	16536	30.00	4.00	0.324
23	16537	30.00	5.00	0.405
24	16538*	30.00	10.00	0.810
25	16539*	30.00	15.00	1.215
26	16541	38.00	2.00	0.205
27	16542*	38.00	3.00	0.308
28	16545*	38.00	6.00	0.616
29	16546	40.00	2.00	0.216
30	16561*	40.00	2.85	0.308
31	16504	40.00	3.00	0.324
32	16505	40.00	4.00	0.432
33	30609	40.00	4.50	0.486

SL.NO	DIE NO.	A (in mm)	T (in mm)	Kg/mtr.
34	16548	40.00	6.00	0.648
35	16549*	40.00	8.00	0.864
36	16550	40.00	10.00	1.080
37	16583	44.00	28.00	3.326
38	16590	50.00	1.80	0.243
39	16551	50.00	2.00	0.270
40	16506	50.00	4.00	0.540
41	16552	50.00	5.00	0.675
42	16581	50.00	6.00	0.810
43	16574	50.00	8.00	1.080
44	16576	55.00	1.50	0.223
45	16553	60.00	5.00	0.810
46	16594 f	60.00	6.00	0.951
47	16554*	60.00	8.00	1.296
48	16547	60.00	10.00	1.620
49	16555*	65.00	15.00	2.633
50	16556*	75.00	3.00	0.608
51	16557	75.00	5.00	1.013
52	16558*	75.00	6.00	1.215
53	16584	80.00	3.00	0.648
54	16559*	80.00	6.00	1.296
55	16560*	80.00	8.00	1.728
56	16582	90.00	10.00	2.430
57	16569	100.00	2.00	0.540
58	16580	100.00	5.00	1.350
59	16515	100.00	20.00	5.400
60	16591	101.60	9.20	2.523
61	16579 f	125.00	6.00	2.004
62	16592	127.00	6.10	2.091
63	16593	130.00	8.00	2.808
64	16565	145.00	12.00	4.698
65	16516	150.00	3.00	1.213
66	16517	150.00	10.00	4.050

*Subject to inquiry #with corner radius (inside/outside) F = Full Radius

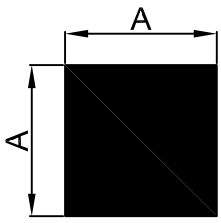
FLAT BARS



SL.NO	DIE NO.	A (in mm)	T (in mm)	Kg/mtr.
67	16578 f	160.00	6.00	2.571
68	16588	164.00	20.00	8.854
69	16575 f	180.00	6.00	2.895
70	16511	180.00	18.00	8.746
71	16601	190.00	5.00	2.565
72	16568	200.00	6.00	3.240
73	16507	200.00	9.00	4.859
74	16562	200.00	10.00	5.400
75	16567	200.00	12.00	6.480
76	16512*	200.00	15.00	8.100
77	16589	200.00	20.00	10.080
78	16587	300.00	10.00	8.100
79	19757	300.00	12.00	9.720
80	19756	300.00	15.00	12.150

*Subject to inquiry #with corner radius (inside/outside) F = Full Radius

SQUARE BARS



SL. NO.	DIE NO.	A (in mm)	Kg/mtr.
1	17300	10.00	0.270
2	17301*	12.00	0.389
2	17302	13.00	0.456
3	17304*	16.00	0.691
3	17306	20.00	1.080
4	16510	25.00	1.687
4	16508	45.00	5.467

*Subject to inquiry #with corner radius (inside/outside)

INDEX

SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.
11001	X1	11050	X1	11534	X2	12018	A12
11002	X1	11051	X1	11535	X2	12020	A11
11003	X1	11052	X1	11536	X2	12021	A14
11004	X1	11053	X1	11537	X2	12022	A19
11005	X1	11056	X1	11538	X2	12023	A46
11006	X1	11058	X1	11539	X2	12024	A38
11007	X1	11059	X1	11540	X2	12025	A46
11008	X1	11060	X1	11541	X2	12026	A46
11009	X1	11062	X1	11542	X2	12028	D3
11010	X1	11064	X1	11543	X2	12029	D3
11011	X1	11065	X1	11544	X2	12034	D2
11012	X1	11066	X1	11545	X2	12035A	D2
11013	X1	11067	X1	11546	X2	12037	W3
11014	X1	11068	X1	11548	X2	12037A	W3
11015	X1	11069	X1	11549	X2	12037B	A42
11016	X1	11501	X2	11550	X2	12038	W3
11017	X1	11502	X2	11551	X2	12038A	W3
11018	X1	11503	X2	11552	X2	12039	A42
11019	X1	11504	X2	11553	X2	12040	A41
11020	X1	11505	X2	11554	X2	12041	A47
11021	X1	11506	X2	11555	X2	12042	A47
11023	X1	11507	X2	11556	X2	12043	A48
11025	X1	11508	X2	11557	X2	12043A	A48
11026	X1	11509	X2	11558	X2	12044	A48
11027	X1	11510	X2	11559	X2	12045J	V4
11029	X1	11511	X2	11560	X2	12046	A45
11030	X1	11512	X2	11561	X2	12046A	W5
11031	X1	11513	X2	11562	X2	12047J	V3
11032	X1	11515	X2	11563	X2	12048J	V4
11033	X1	11516	X2	11564	X2	12049	B3
11034	X1	11517	X2	11565	X2	12050	B3
11035	X1	11518	X2	11566	X2	12051	B3
11036	X1	11519	X2	11567	X2	12052	B2
11037	X1	11520	X2	12000	A6	12054	A18
11038	X1	11521	X2	12000A	A6	12055	A18
11039	X1	11522	X2	12001	A6	12056	A19
11040	X1	11523	X2	12001A	A6	12058	E27,G1
11041	X1	11524	X2	12002	A6	12058A	G1,W14
11042	X1	11526	X2	12005	A12	12059A	C1
11043	X1	11527	X2	12005A	A12	12060	H1
11044	X1	11528	X2	12006	A12	12060A	H1
11045	X1	11529	X2	12011	A11	12061	H1
11046	X1	11530	X2	12012	A14	12062	H1
11047	X1	11531	X2	12015	V2	12064	H1
11048	X1	11532	X2	12016A	A12	12065	F3
11049	X1	11533	X2	12017A	A12	12066	F4

INDEX

SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.
12067	F4	12128	I1	12195	A25	12290	S3
12068	F5	12129	I1	12196	A47	12291	A43
12069	F5	12130	I3	12198	A25	12292	N8
12070	A18	12131	I3	12199	A25	12293	A11
12071	A18	12132	I3	12204	B2	12294	E35
12071A	A18	12134	I1	12211	R2	12296	E8
12072	A19	12135	I1	12213	R1	12297	A44
12072A	A19	12137	A74	12214	R3	12298	O9
12073	A23	12138	H2	12215	N5	12304	I3
12074	A23	12140	A17	12216	N9	12307	A59
12075	A22	12141	M2	12218	N9	12308	S5
12076	E27	12143	A42	12219	A42	12309	S1
12077	E27	12144	S3	12221	A80	12310	A45
12078	E8	12145	S3	12223	A43	12311	S5
12079	V3	12146	S3	12224	C1	12312	S2
12080	E3	12148	E22	12225	B3	12313	S5
12081	E8	12149	E22	12226	A12	12314	S2
12082	E8	12151	E8	12227	A74	12315	O10
12083	E8	12152	W13	12228	A43	12316	A46
12084	E9	12153	F3	12229	A45	12320	A82
12086	E8	12154	W5	12230	A15	12324	N7
12087	E24	12155	W4	12233	W5	12326	S4
12089	E24	12157	E26	12234	A38	12327	A45
12090	E24	12158	E27	12235	A46	12330	K3
12091	E37	12159	K2	12237	O9	12331	N9
12092	A74	12160	J3	12238	A42	12332J	N9
12093	A68	12161	A9	12246	E8	12334	N9
12094	A85	12162	A9	12247	A23	12338	A23
12095	A74	12163	W14	12248	E27	12339	A64
12096	A74	12164	A9	12249	E8	12342A	W4
12097	A74	12165	A9	12251	E37	12350J	A46
12098	A74	12168	D3	12256	A22	12353J	A48
12099	A21	12169	A45	12257	N9	12355	U6
12101	A64	12171	A13	12261	A11	12361	U2
12102	B2	12172	A13	12263	A43	12363	U6
12103	N9	12173	I2	12267	S1	12365	U2
12104	N9	12174	I2	12267A	S1	12366	U2
12105	N9	12175	W3	12268	S1	12367	U2
12109	K1	12176	E8	12268A	S1	12368	U2
12110	K1	12178	E8	12269	I3	12369	U2
12114	A74	12179	A45	12270	S3	12370	U5
12115	A85	12181	W5	12275	O10	12371	U5
12117	A19	12190	A44	12276	O10	12372	U5
12118	A46	12192	A59	12277	O10	12374	A29
12119J	V4	12193	A46	12288	A8	12375	A74
12124J	V3	12194	A25	12289	A8	12376	A41

INDEX

SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.
12377	O9	12445	Q2	12519	G1	13020	X4
12378	A31	12446	Q2	12520	N9	13021	X4
12379	A32	12447	K5	12521	H1	13023	X4
12382	A35	12448	K7	12524	P4	13025	X4
12384	E29	12449	K7	12525	P4	13026	X4
12385	E29	12450	K7	12526	P4	13027	X4
12387	E16	12451	K7	12527	P5	13028	X4
12388	E16	12459	O9	12528	P5	13029	X3
12390	A65	12462	A26	12529	P5	13030	X3
12391	A41	12463	A28	12530	P5	13031	X4
12392	H1	12464	E16	12531	P5	13032	X4
12394	F3	12465	A15	12532	P5	13033	X4
12395	A64	12466	A35	12533	P5	13033A	X4
12400	O11	12467	A67	12534	P5	13033B	X4
12404	O14	12468	A73	12535	P5	13035	X4
12405	O14	12471	W5	12536	P6	13036	X4
12406	O11	12473	E8	12537	P6	13037	X4
12407	O14	12474	E16	12538	Q5	13038	X5
12411	N9	12475	A26	12539	Q5	13039	X5
12412	N7	12476	A74	12540	Q7	13040	X4
12416	O14	12477	A74	12541	Q7	13041	X5
12417	O14	12478	A46	12545	Q7	13043	X3
12418	O11	12479	A46	12546	O15	13045	X3
12419	H1	12480	N9	12547	O15	13046	X3
12420	H1	12481	E30	12548	I2	13047	X3
12421	H2	12482	E24	12550	S7	13048	X3
12423	B3	12483	E30	12551	S7	13048A	X3
12424	U10	12484	E24	13000	X3	13049	X3
12425	U10	12485	E16	13001	X3	13050	X3
12426	O12	12486	A65	13002	X3	13051	X3
12427	O12	12487	A85	13003	X3	13052	X3
12428	X10	12488	A74	13004	X3	13053	X3
12429	U7	12490	K7	13005	X3	13054	X3
12430	U10	12491	K7	13006	X3	13055	X3
12431	U10	12492	K7	13007	X3	13056	X3
12432	U10	12493	N9	13008	X4,R4	13057	X3
12433	U10	12494	H2	13009	X4	13059	X3
12434	W2	12497	A85	13010	X4	13060	X3
12436	A74	12502	A74	13011	X4	13061	X3
12438	Q4	12503	A19	13012	X4	13062	X3
12439	Q2	12504	E36	13013	X4	13063	X3
12440	Q4	12506	A26	13014	X4	13064	X3
12441	Q2	12514	A26	13015	X4	13065	X3
12442	Q5	12515	A29	13017	X4	13066	X3
12443	Q5	12516	A64	13018	X4	13067	X3
12444	Q4	12518	A85	13019	X5	13068	X3

INDEX

SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.
13069	X3	13115	X4	13503	X6	13551	X6
13070	X3	13116	X3	13504	X6	13552	X6
13071	X3	13118	X4	13505	X6	13553	X6
13072	X3	13119	X5	13506	X6	13556	X6
13073	X3	13120	X4	13507	X6	13558	X6
13074	X3	13121	X5	13508	X6	13559	X6
13075	X3	13122	X5	13509	X6	13561	X6
13076	X3	13126	X4	13510	X6	13562	X6
13077	X3	13127	X3	13511	X6	13563	X6
13078	X4	13128	X5	13512	X6	13564	X6
13079	X4	13129	X5	13513	X6	13565	X6
13080	X4	13130	X5	13514	X6	13566	X6
13081	X4	13131	X3	13515	X6	13567	X6
13082	X4	13134	X5	13516	X6	13568	X6
13083	X4	13135	X3	13517	X6	13570	X6
13084	X4	13136	X5	13518	X6	13590	X6
13085	X4	13137	X5	13519	X6	13599	X6
13086	X4	13138	X5	13520	X6	14001	X7
13087	X4	13139	X3	13521	X6	14002	X7
13088	X4	13140	X4	13522	X6	14004	X7
13089	X4	13141	X5	13523	X6	14005	X7
13090	X4	13142	X3	13524	X6	14006	X7
13091	X4	13143	X3	13525	X6	14007	X7
13092	X4	13144	X5	13526	X6	14008	X7
13093	X4	13147	X5	13527	X6	14009	X7
13094	X4	13150	X4	13528	X6	14010	X7
13095	X4	13151	X3	13529	X6	14011	X7
13096	X4	13152	X5	13530	X6	14012	X7
13097	X4	13153	X3	13531	X6	14013	X7
13098	X4	13154	X4	13532	X6	14016	X7
13100	X4	13155	X4	13533	X6	14017	X7
13101	X4	13156	X3	13534	X6	14021	X7
13102	X4	13157	X3	13535	X6	14023	X7
13103	X4	13158	X3	13536	X6	14024	X7
13104	X5	13159	X4	13537	X6	14025	X7
13105	X5	13160	X3	13538	X6	14026	X7
13106	X5	13161	X4	13539	X6	14027	X7
13107	X5	13162	X5	13540	X6	14028	X7
13108	X5	13163	X4	13542	X6	14029	X7
13109	X5	13164	X4	13543	X6	14030	X7
13110	X5	13176	X3	13545	X6	14031	X7
13111	X5	13185	X5	13546	X6	14032	X7
13111A	X5	13186	X5	13547	X6	14033	X7
13112	X4	13500	X6	13548	X6	14034	X7
13113	X3	13501	X6	13549	X6	14035	X7
13114	X4	13502	X6	13550	X6	14036	X7



INDEX

SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.
14037	X7	14513	X9	14568	X10	15054	A51,W9
14038	X7	14514	X9	15000	A6	15055	A54
14039	X7	14515	X9	15000A	A6	15056	B5
14040	X7	14516	X9	15001	A6	15057	B5
14041	X7	14517	X10	15002	A6	15058	A49
14042	X7	14518	X10	15003	A7	15058A	A49,W7
14043	X7	14519	X10	15004	A7	15058B	A49,W7
14044	X7	14520	X10	15005	A7	15059	A50,W7
14045	X7	14521	X10	15006	A7	15059A	A50,W7
14046	X7	14522	X10	15006A	A9	15059B	A50
14047	X7	14523	X10	15007	A11	15060	R2,A50
14048	X7	14524	X10	15007A	A14	15060A	A50,W7
14049	X7	14526	X10	15008	A14	15060B	A50,W7
14050	X7	14527	X10	15008A	A14	15061	A50
14051	X7	14528	X10	15009	A11	15061A	A50,W8
14052	X7	14529	X10	15009A	A14	15061B	A50,W8
14053	X7	14530	X10	15010	A54	15062	G1
14054	X7	14531	X10	15014	A14	15063A	G1
14055	X7	14532	X10	15016	A13	15064	F3
14056	X7	14534	X10	15017	A13	15065	F4
14057	X7	14535	X10	15018	A13	15066	F6
14058	X7	14536	X10	15019	A22	15066B	W13
14059	X7	14537	X10	15021A	A11	15067	F6
14061	X7	14538	X10	15026	N4	15068	F6
14063	X7	14541	X10	15030	D3	15069	F6
14064	X7	14542	X10	15031	D1	15070	F6
14065	X7	14543	X10	15034	N3	15071	R3,F6
14066	X7	14544	X10	15036	A49	15071A	F6,W13
14067	X7	14545	X10	15037J	V3	15072	F6
14068	X7	14546	X10	15039J	V3	15073	A18
14069	X7	14548	X10	15040	A47	15073A	A37
14070	X7	14550	X10	15040A	A47,R2,W6	15074	A37
14500	X10	14552	X10	15040B	W6,A47	15075	A16
14501	X9	14554	X10	15041J	V3	15076	A16
14502	X10	14555	X10	15042	A50	15080	A16
14503	X9	14557	X10	15043J	V4	15081	A18
14504	X10	14558	X10	15044	A50	15081A	A18
14505	X10	14559	X10	15045	A51	15082	A18
14506	X10	14560	X10	15046J	V6	15082A	A18
14507	X9	14561	X10	15047	A51	15083	A18
14508	X10	14562	X10	15049	A53	15083A	A18
14508A	X10	14563	X10	15051	A54	15084	A19
14509	X10	14564	X10	15052	A53	15084A	A19
14510	X9	14565	X10	15053	A54	15085	A19
14511	X10	14567	X10	15053A	A54,W8	15085A	A19
14512	X9	14566	X10	15053B	A54,W8	15086	A19

INDEX

SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.
15086A	A19	15139	S7	15201	A71	15281	A53
15087	A20	15140	A69	15202	A73	15282	A49
15088	A20	15141	A68	15204	E21	15283	N3
15089	A21	15142	A66	15205	W13	15284	N2
15090	A21	15143	A66	15206	F3	15285	N8
15091	A24	15144	A75	15206A	F3	15286	N1
15092	A24	15145	A75	15207	W9	15287	N1
15093	K4	15146	S3	15207A	W9	15291	W11
15099	A21	15147	N6	15208	W9	15292	W6
15100	A23	15148	N1	15209	E5	15293	A52
15101	A23	15149	N1	15210	E26	15294	F6
15102	A23	15151	N1	15211	K2	15295	O13
15103	A22	15152	N2	15212	J3	15296	A16
15104	A22	15155	N2	15215	A10	15297	B4
15105	E25	15157	F6	15216	W2	15298	N1
15106	E25	15160	A53	15217	W2	15299	N1
15107	E25	15162A	W1	15218	W2	15303	A31
15108	E5	15165	N2	15227	A51	15304	A26
15110	E3	15167	H3	15228	A57	15307	A38
15111	E7	15168	H3	15228A	A57	15308	A33
15112	E7	15170	J1	15229	N8	15310	A65
15115	E4	15171	W10	15233	R1	15311	A37
15116	E3	15172	W10	15234	R1	15312	A13
15117	E4	15173	A22	15236	R1	15313	A15
15118	E4	15174	A58	15241	A38	15314	A15
15119	E3	15174A	W12	15242	W6	15315	A13
15119A	E3	15175	W12	15244	F6	15319	A25
15120	E3	15177	F7	15245	A25	15320	A50
15120A	E3	15178	O10	15248	A25	15321	A50
15121	E3	15179	O10	15251	A48	15322	A55
15127	E30	15180	F4	15252	A52	15323	A55
15128	E9	15181	A37	15252A	A52	15324	A54
15129	E9	15182J	V6	15253	A52	15325	A67
15130	C1	15183J	V6	15256	A51	15326	D1
15130A	W14,C1	15185	E5	15259	A25	15327	A49
15130B	C1,W14	15187J	V2	15260	F6	15328	N1
15131	A70	15189	W6	15262	N1	15329	N1
15132	A70	15190	A49	15265	A25	15330	N1
15133	A71	15191	A51	15266	N3	15331	N4
15134	S6	15192	A52	15269	W6	15333	D3
15134A	A71	15193	A52	15270	N2	15334	E25
15135	A68	15194	A18	15273	N5	15335	E25
15136	A70	15197	E21	15274	A53	15338	N2
15136A	A70	15198	E4	15275	T4	15339	N6
15137	A70	15199	E5	15275A	T4	15340	N6
15138	H3	15200	A71	15277	N5	15341	N3

INDEX

SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.
15342	N8	15418	S4	15494	U3	15547	E14
15343	N7	15419	S5	15495	U3	15548	E14
15345	F5	15420	A68	15497	U3	15549	E14
15349	J4	15420A	A68	15498	U3	15550	E14
15350	N7	15421	S3	15499	U4	15551	E16
15351	N2	15422	A71	15501	U5	15552	E16
15352	A38	15423	S2	15502	U5	15554	E16
15355	N4	15424	S6	15503	U5	15557	A27
15359	S2	15425	O10	15504	U6	15558	A28
15362	N6	15426	D2	15505	U6	15562	A28
15366	A59	15429	A48	15506	U4	15563	A6
15370	M1	15430	A17	15507	U5	15564	E3
15372	F7	15434	A17	15508	U5	15565	N6
15375	A8	15436	N4	15509	A26	15566	F7
15376	A8	15437	F4	15510	A26	15571	A17
15377	A8	15438	F3	15511	A29	15572	A17
15378	A8	15439	N7	15512	A29	15573	A17
15379	A17	15440	S4	15513	A29	15574	M1
15381	S3	15441	N5	15514	A70	15575	J5
15382	S3	15443	N2	15515	A65	15576	A59
15383	N5	15444	N7	15516	N6	15577	N6
15384	N2	15445	N2	15517	N4	15578	N3
15385	N4	15450	N2	15518	E5	15579	N4
15386	N5	15451	O9	15519	W11	15580	F6
15387	N2	15453	N8	15520	A58	15581	A37
15388	N7	15454	A20	15521	W12	15582	N5
15390	N4	15455	A20	15522	A27	15583	A38
15391	C1	15456	A23	15523	A32	15585	B5
15394	A38	15457	A23	15524	A65	15586	N3
15395	A14	15458	A23	15525	A70	15587	F6
15396	A14	15459	A22	15526	A31	15588	F6
15397	M1	15460	A70	15527	A31	15589	U7
15399	N2	15461	A70	15528	A31	15590	U8
15401	N4	15467	A57	15529	A51	15591	U8
15402	D1	15468	A82	15530	A34	15592	U9
15403	N3	15469	N6	15531	A29	15593	U9
15404	N4	15470	O1	15532	A32	15594	U10
15405	E21	15476J	A47	15534	A70	15595	U9
15406	A38	15477J	A49	15537	A35	15596	U9
15407	N6	15478J	A50	15539	E28	15597	U10
15411	N5	15479J	A50	15540	E28	15599	X6
15412	N6	15480J	A50	15541	E28	15600	X6
15413	F6	15481	F6	15542	E28	15601	U7
15414	N5	15489	U1	15543	E29	15602	U4
15415	S2	15491	U1	15544	E29	15603	E11
15417	S6	15493	U2	15545	A27	15604	N4

INDEX

SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.
15605	N4	15672	A26	15722	A69	15777	A80
15613	N3	15673	A67	15723	A79	15779	A69
15614	A69	15674	A75	15724	A70	15780	A34
15615	N7	15675	A75	15725	A80	15781	E32
15618	Q3	15676	A28	15726	M1	15782	E31
15619	Q3	15677	A33	15727	E11	15783	A70
15620	Q4	15678	E12	15728	E11	15784	A80
15621	Q4	15679	A31	15729	M2	15788	S7
15622	Q2	15680	E22	15730	A79	15789	A71
15623	Q2	15681	E30	15731	A28	15790	A71
15624	Q1	15682	E13	15732	A29	15791	O1
15625	Q1	15683	E13	15733	A28	15792	A72
15626	Q1	15684	A36	15734	A26	15793	A70
15627	Q1	15685	A36	15735	A65	15795	N6
15628	Q1	15686	A36	15736	A69	15796	N6
15629	Q1	15687	A36	15737	A70	15797	A65
15630	Q5	15688	E10	15738	E12	15798	A25
15631	Q3	15689	A79	15739	A26	15799	A19
15632	Q6	15690	E11	15740	U1	15800	A76
15633	Q6	15691	E11	15741	U2	15801	A27
15634	Q3	15692	E10	15742	U3	15802	M1
15635	Q5	15693	E10	15743	U3	15804	N6
15636	Q5	15694	A15	15744	U2	15817	F7
15637	Q6	15695	A70	15745	U4	15823	N4
15638	Q6	15696	A76	15746	U8	15837	B6
15639	Q4	15697	A75	15747	U8	15838	A68
15640	Q4	15701	A69	15748	U9	15839	A69
15641	K5	15702	A66	15749	E6	15840	A76
15642	K6	15703	A72	15750	E6	15841	A59
15643	K6	15704	A29	15751	E6	15842	A49
15644	Q4	15705	A69	15752	N1	15843	A50
15645	Q2	15706	A26	15753	N1	15844	A29
15646	K5	15707	A34	15754	U6	15845	A30
15647	K5	15708	A34	15761	A26	15848	P6
15649	K6	15709	A35	15762	A68	15849	P6
15650	K6	15710	A35	15763	A71	15850	P6
15651	K5	15711	A73	15764	E15	15851	P6
15652	K5	15712	A31	15765	E15	15852	P6
15663	F7	15713	E12	15766	E15	15853	P6
15665	N3	15714	E13	15767	A32	15854	P7
15666	A76	15715	E13	15770	K6	15855	P7
15667	A75	15716	E15	15771	K6	15856	P7
15668	A70	15717	A34	15773	A38	15857	P7
15669	A67	15718	N4	15774	O2	15858	P7
15670	A28	15720	A27	15775	E12	15859	P7
15671	A26	15721	A31	15776	A71	15860	P7

INDEX

SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.
15871	Q7	16525	X12	16582	X12	18320	A82
15872	Q7	16526	X12	16583	X12	18320J	A82
15873	Q7	16527	X12	16584	X12	18321	T1
15874	Q7	16528	X12	16586	X12	18321J	A81
15875	Q7	16529	X12	16587	X13	18322J	A82
15884	Q8	16530	X12	16588	X13	18325	E9
15885	Q8	16532	X12	16589	X13	18355	P1
15886	Q8	16533	X12	16590	X12	18356	P1
15887	M2	16534	X12	16591	X12	18357	P1
15895	O1	16535	X12	16592	X12	18358	P1
15896	O1	16536	X12	16593	X12	18359	P1
15897	O1	16537	X12	16594	X12	18360	P1
15898	E6	16538	X12	16601	X13	18361	E19
15899	S2	16539	X12	17000	O1	18363	E29
15900	S3	16541	X12	17000A	O1	18392	E20
15901	S3	16542	X12	17001	O1	18405	E18
15902	F9	16545	X12	17001A	O1	18407	E18
15903	F9	16546	X12	17300	X14	18413	E41
15907	E4	16547	X12	17301	X14	18414	E41
16000	X11	16548	X12	17302	X14	18422	E23
16001	X11	16549	X12	17304	X14	18426	T4
16002	X11	16550	X12	17306	X14	18436	E26
16003	X11	16551	X12	17501	X3	18437	E26
16302	X8	16552	X12	17501A	X3	18441	E19
16304	X8	16553	X12	17513	X3	18442	T1
16305	X8	16554	X12	17516	X6	18450	T4
16306	X8	16555	X12	17525	X3	18451	N2
16307	X8	16556	X12	17525A	X3	18457	F7
16501	X12	16557	X12	17527	X3	18460	N6
16502	X12	16558	X12	17532	X3	18461	H5
16503	X12	16559	X12	17542	X3	18514	P4
16504	X12	16560	X12	17816	X1	18527	M1
16505	X12	16561	X12	18109	E20	18528	P2
16506	X12	16562	X13	18111	E16	18540	X7
16507	X13	16565	X12	18162	A84	18549	P2
16508	X14	16567	X13	18183	O10	18603	H4
16510	X14	16568	X13	18237	T4	18637	H4
16511	X13	16569	X12	18276	O10	18638J	V1
16512	X13	16574	X12	18297	O11	18639J	V4
16513	X12	16575	X13	18313	A37	18640J	V1
16515	X12	16576	X12	18316	E23	18641J	V2
16516	X12	16577	X12	18317J	T1	18642	V6
16517	X12	16578	X13	18318J	T2	18644J	V4
16522	X12	16579	X12	18319	A81	18645J	M2
16523	X12	16580	X12	18319A	T3	18647J	V1
16524	X12	16581	X12	18319J	T3	18650	P3

INDEX

SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.	SEC. NO.	PAGE NO.
18671	H5	19257	E22	19750	F5	22778	X5
18710	O13	19261	N3	19756	X13	22924	X7
18722	A20	19266	O1	19757	X13	22948	X5
18821	H3	19271	A84	19814	X10	22949	X5
18915	A78	19273	E18	19883	X9	23539	A68
18916	A78	19278	X8	19884	A46	23540	A30
18917	A78	19279	X8	19885	W5	23541	A30
18936	X7	19280	X8	19978	E35	23542	A30
18937	X7	19282	E27	21051	T4	23543	B4
18939	X6	19283	E39	21097	W2	23544	B6
18953	X3	19284	C1	21098	W2	23545	B4
18962	X3	19287	T2	21099	W2	30135	E17
18983	M2	19293	E36	21100	A37	30136	E38
18984	M2	19300	O9	21102	A50,W7	30143	E16
19035	E19	19301	H1	21103	W7,A50	30356	A85
19036	E16	19304	E39	21104	W7,A50	30359	E35
19038	A84	19305	E22	21105	W7,A49	30360	E35
19040	E22	19307	E39	21106	D3,A49	30366	X10
19041	E22	19308	E24	21192	X5	30420	O13
19042	E22	19310	T4	21212	O2	30465	E22
19085	E33	19356	P3	21427	E23	30472	O3
19086	A84	19361	P2	21463	J2	30484	N7
19121	O5	19363	P2	21652	A9	30487	E38
19122	O8	19365	M2	21701	F7	30488	E38
19123	O7	19366	P2	21713	A68	30609	X12
19124	O6	19400	E34	21864	F8	30625	X11
19146	O9	19443	P4	21908	K3	30644	X11
19147	X2	19448	X10	21924	A77	30651	X11
19157	A21	19469J	V4	21925	A77	31087	E32
19159	E40	19470J	V1	21926	A77	31088	E32
19163	E34	19472J	V1	21973	F8	31134	E17
19164	E34	19473J	V1	22061	O4	31206	E17
19166	X10	19474	V6	22062	O4	31349	O11
19175	X12	19475J	V2	22066	F8	31390	E17
19176	E24	19476J	V4	22413	X4	31537	K7
19181	M2	19477J	V2	22420	E32	60193	F8
19198	O9	19478J	V2	22421	E32	90393	X7
19210	X10	19479J	V2	22422	E31	3095AH	A30
19214	O9	19480	V6	22423	E31		
19216	P1	19482J	V5	22707	E33		
19226	P1	19483J	V5	22708	E33		
19227	P1	19484J	V5	22709	K6		
19233	B2	19506	X11	22710	K6		
19235	F5	19520	N9	22726	E17		
19236	F5	19526	C1	22742	E17		
19243	E39	19749	F5	22777	X3		

www.elitegroupuae.com

Elite Extrusion LLC
Ras Al Khaimah - U.A.E
Phone: +971 7 2447668
Fax: +971 7 2447669
Email: info@eliteextrusion.ae