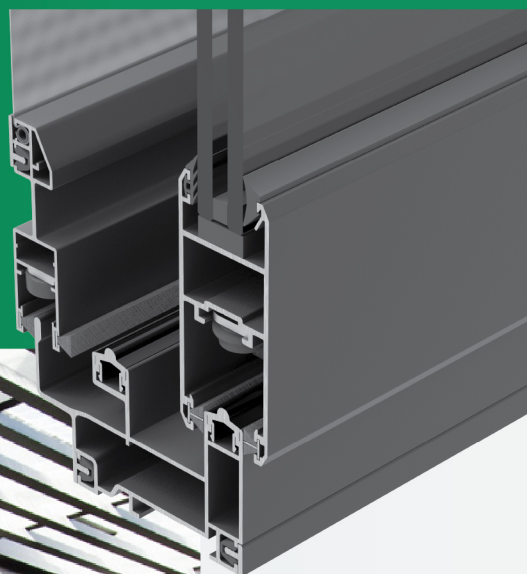




Machines & Aluminium Center
مركز ماكينات ومستلزمات الألومنيوم

JUMBO 100

Sliding System



PROFILES 1:1

2026
VER. 01

MACHINES AND ALUMINUM CENTER

Machines and Aluminum Center is an Egyptian based company established in the year 1981 and started its activity with aluminium applications in architectural and construction field.

They represent and cooperate with several leading European firms in field of aluminium business including aluminium fabrication machinery, accessories and hardware for architectural applications and different aluminium systems varying from windows and doors, up to facades and solar protection.

Our goal is to supply our clients with whatever is needed to apply our aluminium systems in the building construction. We are specialized in supplying all required machinery, equipments, dies, punches, hardware and fittings for our aluminium systems.

We offer a wide range of products to local market and neighbor countries. Our product range includes windows and doors, partition systems, different façade solutions and the related integrated accessories.

We partner with our customers with value added services which means that with the help of our specialized team of engineers, we provide our clients with technical support to assist them in improving their product's quality.

We are committed to innovative and creative product design to fulfill all architectural requirements. Our products can meet the most exacting engineering and technical standards while overcoming sophisticated design challenges.



Machines & Aluminium Center
مركز ماكينات ومستلزمات الألومنيوم

The profiles shown in this catalogue are patented.

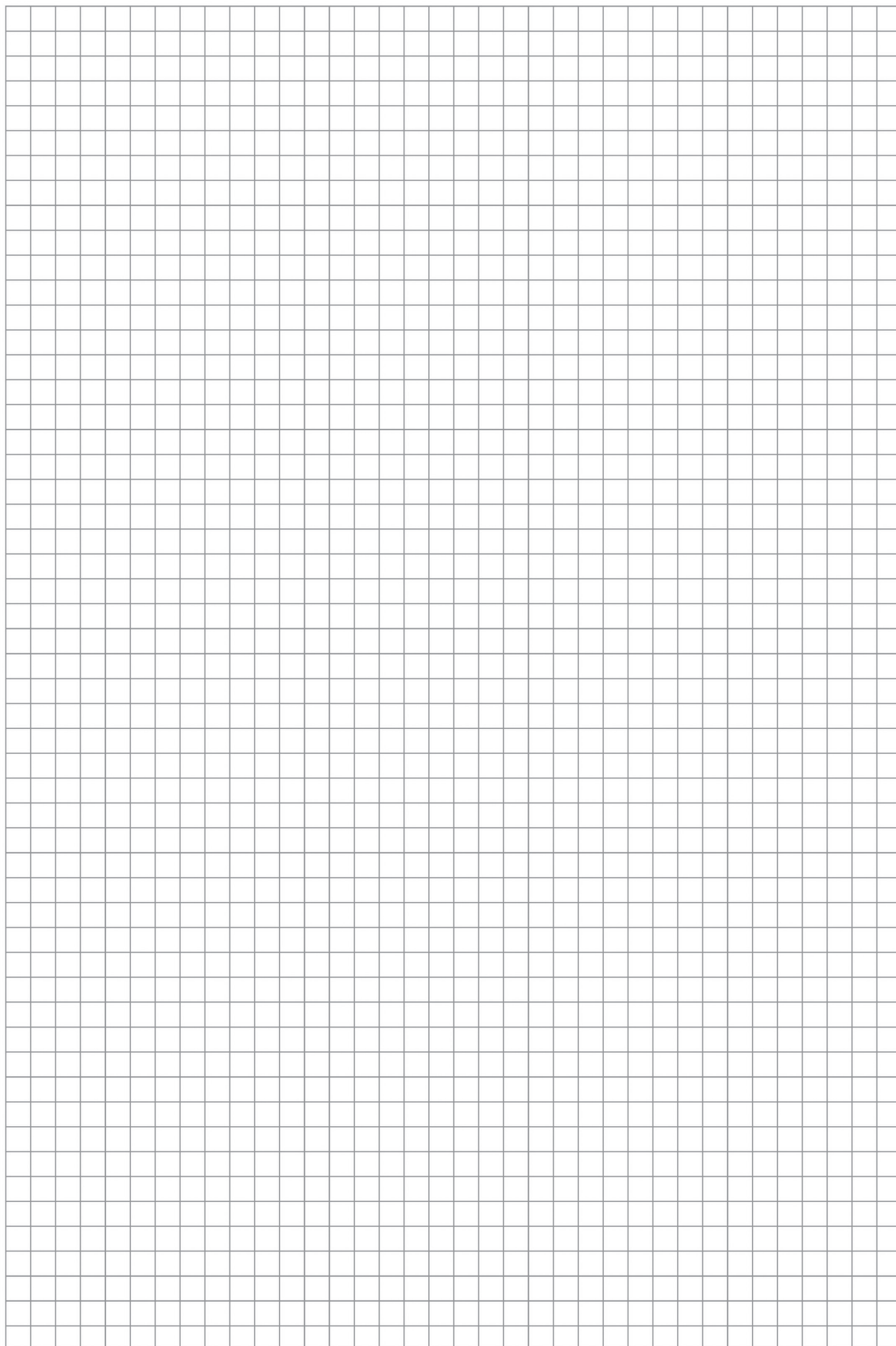
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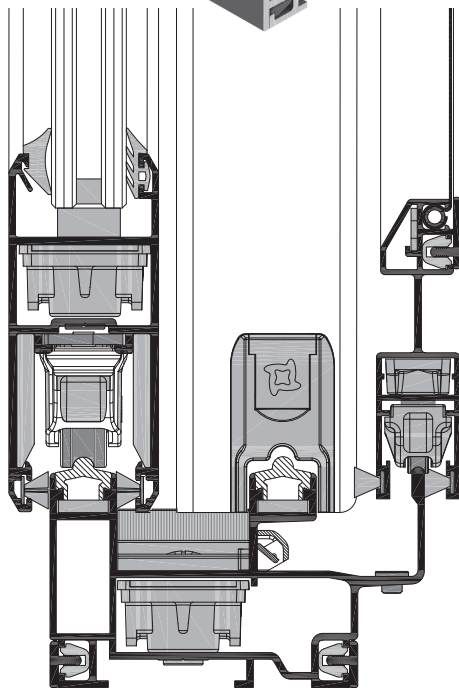
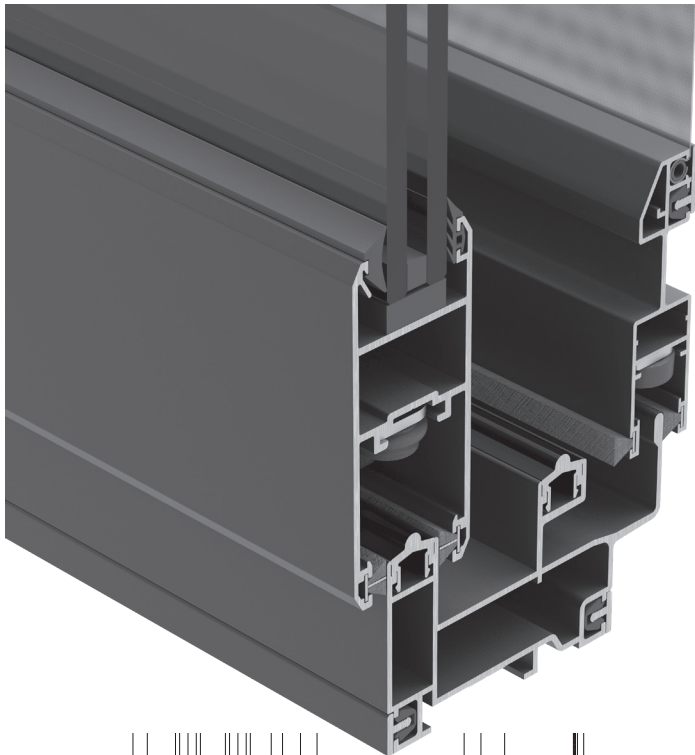
The manufacturer reserves the right to modify the items in this catalog without advanced notice.

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Complies with European norm
hEN 1435-1

Air Permeability	(Class 3) up to 600 pa.
Water Tightness	(Class 8A) up to 450 pa.
Resistance to wind load	(Class B2) up to 800 pa.

- Wide variety of frames and sashes in design and aesthetic shapes that match the architectural trends.
- Available in the double or triple track design, structures with up to six leaves.
- Used for doors and windows with large openings.
- Wide range of locking systems including multi locking points and anti-lift blocks.
- Most of the accessories can be adjusted and fixed with set screws.

Technical Characteristics

Frame Depth

74 mm. to 134 mm.

Frame Height

53 mm. to 107 mm.

Sash Depth

36 mm.

Sash Height

86 mm.

Max Glass Thickness

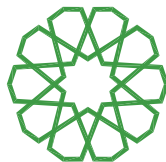
Up to 26 mm.

Max Sash Weight

Up to 200 kg.

Sealing Type

Perimetrical, with two rows of high-density brushes



EUROPEAN CERTIFYING ORGANIZATION S.p.A.
NOTIFIED TESTING LABORATORY N. 0714
FOR REGULATION (EU) No 305/2011
CLASSIFICATION ASSESSMENT
N. 0714-CPR-1289 DATED AUGUST, 05 2015

In compliance with Regulation (EU) No. 305/2011 of the European Parliament and of the Council of 9 March 2011, that replaces Council Directive 89/106/EEC and lays down conditions for the placing or making available on the market of construction products by establishing harmonised rules on how to express their performance in relation to their essential characteristics and taking account of the horizontal legal framework for the marketing of products in the internal market, established by Regulation (EC) No. 765/2008 of the European Parliament and of the Council of 9 July 2008 setting out the requirements for accreditation and market surveillance relating to the marketing of products, as well as by Decision No. 768/2008/EC of the European Parliament and of the Council of 9 July 2008 on a common framework for the marketing of products,

and in compliance with hEN 14351-1:2006 - A1:2010 Windows and doors - Product standard, performance characteristics - Part 1: Windows and external pedestrian doorsets without resistance to fire and/or smoke leakage characteristics, which is currently in force,

European Certifying Organization S.p.A., notified laboratory NB 0714, carried out the following:

type-testing

for the determination of the essential characteristics

Air Permeability - Water tightness - Resistance to Wind Load

on the below mentioned external pedestrian doorset without resistance to fire and/or smoke leakage characteristics

In compliance with EN 12207:1999, EN 12208:1999, EN 12210:1999 - Classification,

EN 1026:2000, EN 1027:2000, EN 12211:2000 - Tests and calculations

System of assessment and verification of constancy of performance 3

The specimen, as provided by the Manufacturer, was identified as follows:

DESCRIPTION OF THE PRODUCT

Type: Sliding French door, 2 sliding sashes.
Model: JUMBO 100
Width= 2,200 mm, Height = 2,200 mm, Thickness = 94 mm
Fabrication number: -
Date of fabrication: 2015

PRODUCED IN THE FACTORY

Name: MACHINES & ALUMINIUM CENTER
Address: 122, MOHIY AL-DIN ABU AL-EZZ ST., DOKKI - GIZA - EGYPT

PLACED ON THE MARKET BY

Name: MACHINES & ALUMINIUM CENTER
Address: 122, MOHIY AL-DIN ABU AL-EZZ ST., DOKKI - GIZA - EGYPT

Taking into account the documentation submitted by the Manufacturer and on the basis of the results of the type-testing carried out, as described in the laboratory report ECO CP0025/2, dated August, 05 2015, in accordance with Annex ZA of hEN 14351-1:2006 - A1:2010 and with the EN 12207:1999, EN 12208:1999 and EN 12210:1999 classification, to the specimen, as previously identified.

THE FOLLOWING CLASSIFICATION IS AWARDED

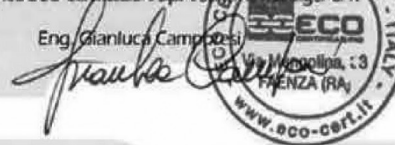
AIR PERMEABILITY:	CLASS 3
WATERTIGHTNESS:	CLASS 8A
RESISTANCE TO WIND LOAD:	CLASS B2

The results refer only to the specimen that has been provided by the Manufacturer and submitted to type-testing listed above.
This classification assessment consists of 1 page and its reproduction is permitted in full only.

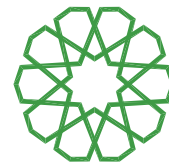
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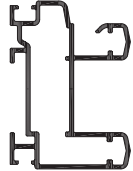
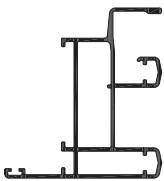
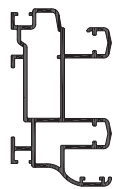
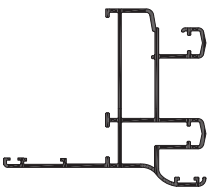
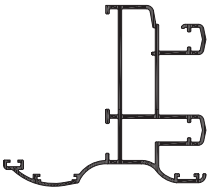
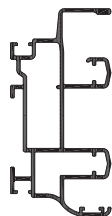
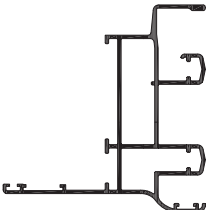
The undersigned ECO Certificazioni S.p.A. Secretary Manager CPR

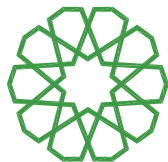
Eng. Gianluca Camporesi

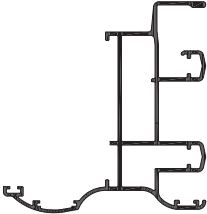
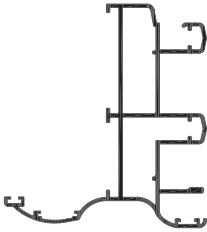
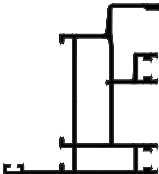


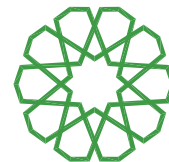
ECO Certificazioni S.p.A. • Via Mengolina, 33
48018 Faenza (RA) - ITALY
Tel. +39 0546 624911 • Fax +39 0546 624922
E-mail: info@eco-cert.it • www.ecocertificazioni.eu

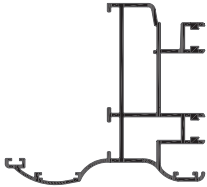
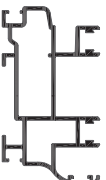
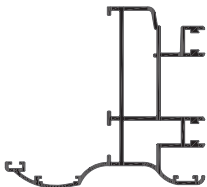
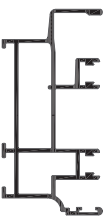


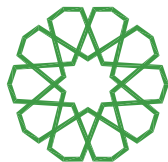
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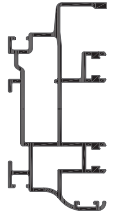
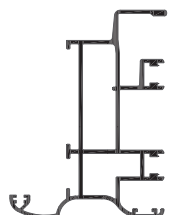
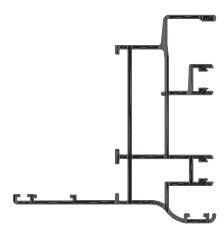
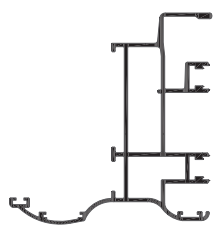
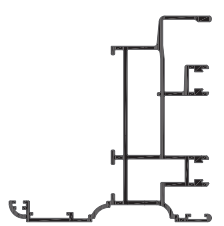
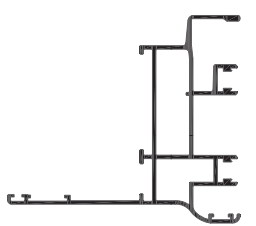


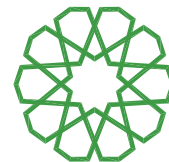
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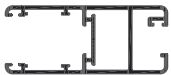


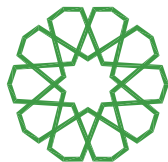
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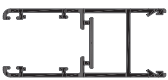
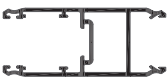
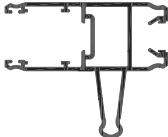
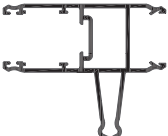
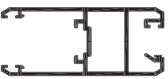
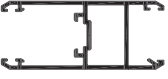
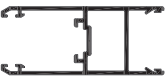
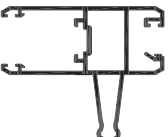
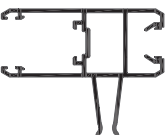
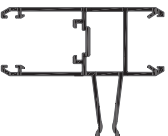
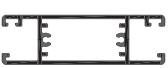


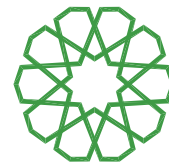
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	2 100 2452	Frame Profile	2.271	769	105.35	52.05	25
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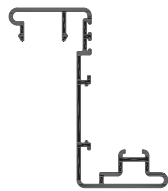


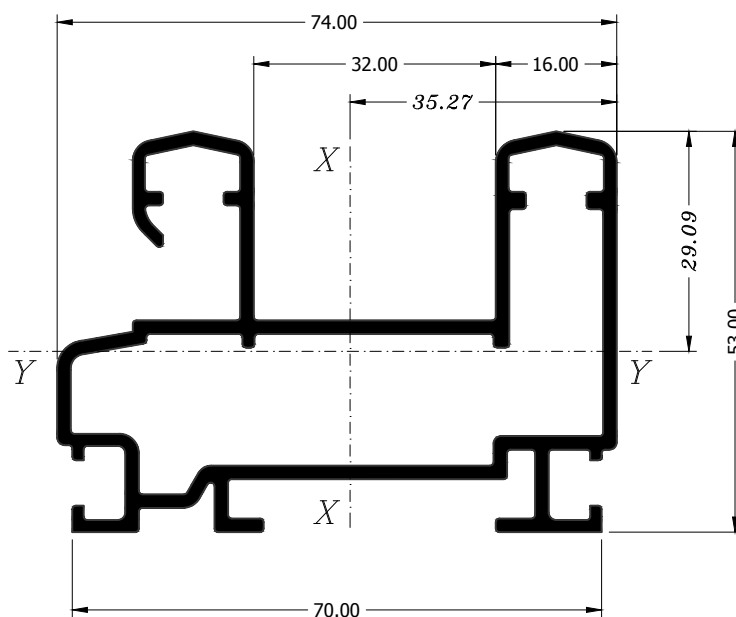
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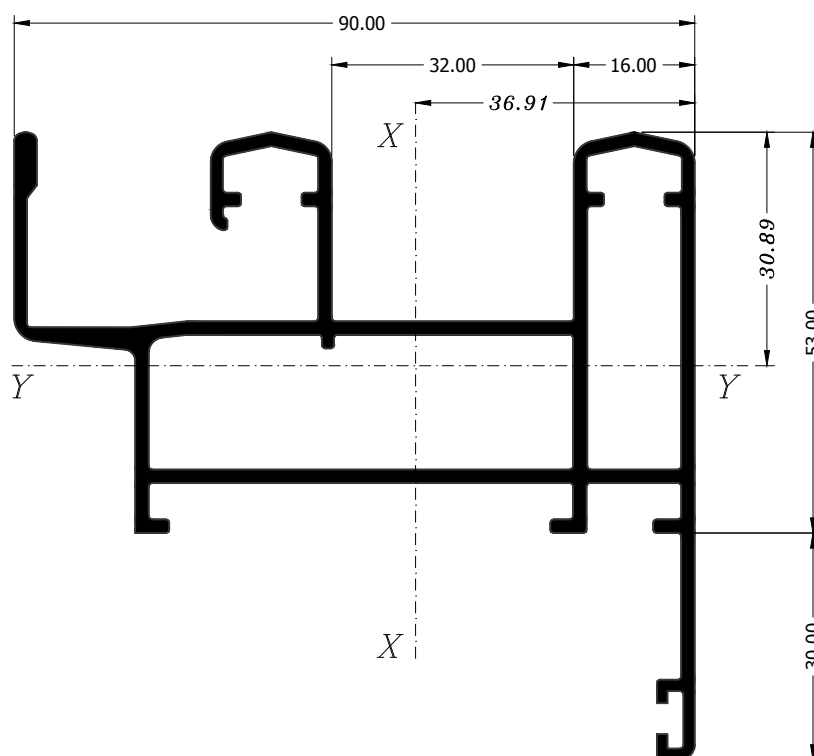
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	2 100 4424	Leaf Profile	1.613	533	26.19	28.71	29
	2 100 4518	Leaf Profile	1.435	520	11.12	31.78	31
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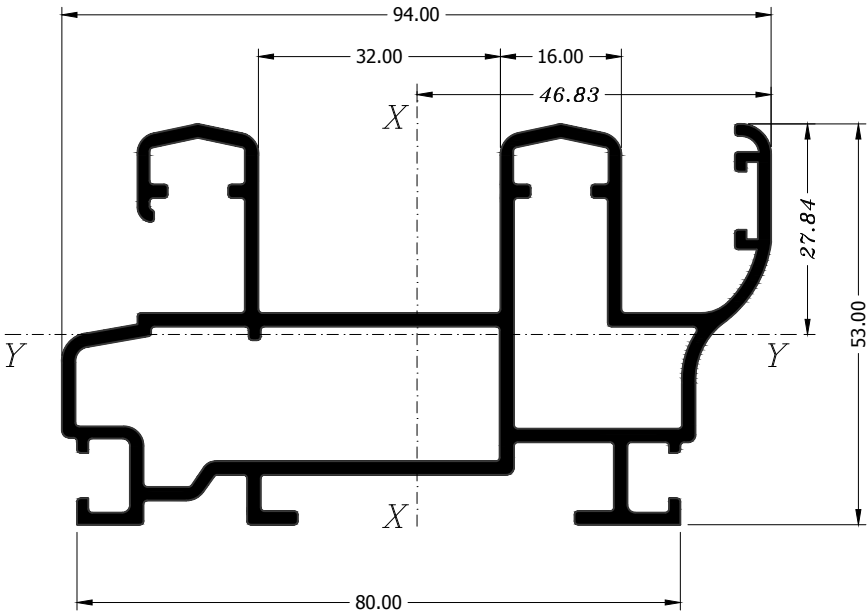
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	2 100 9514	Sliding Insert Profile	0.584	274	3.30	4.56	30
	2 100 9518	Sliding Insert Profile	0.594	280	3.33	4.69	32
	2 100 9560	Sliding Insert Profile	1.352	541	19.54	65.33	30
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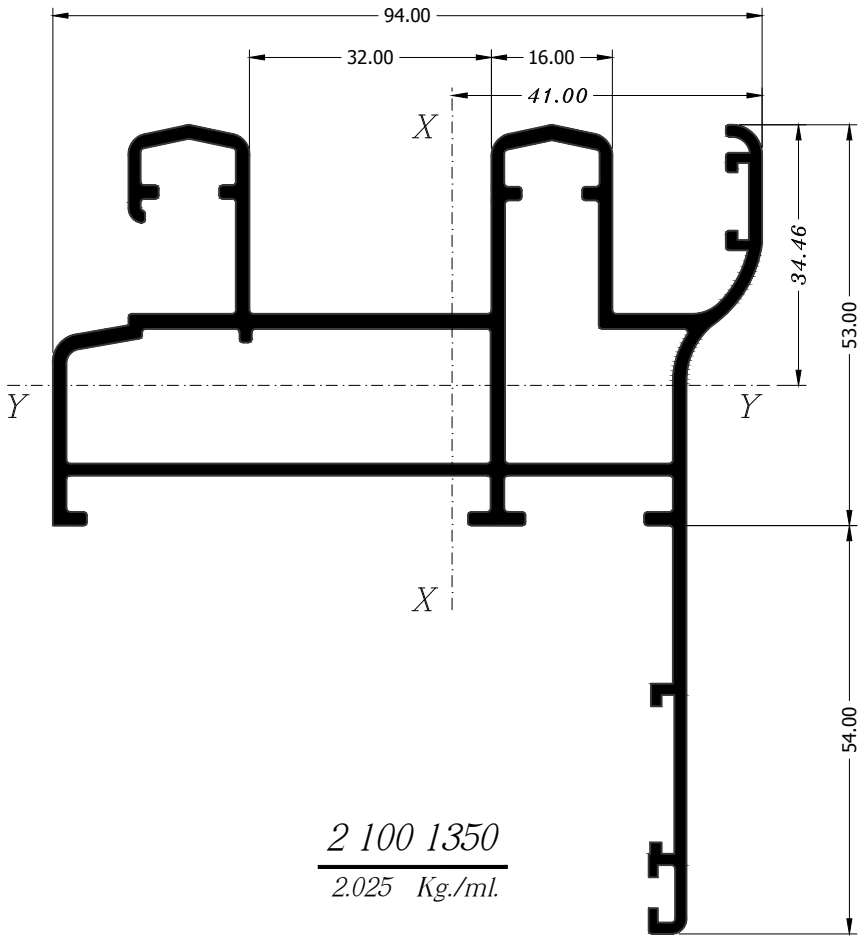
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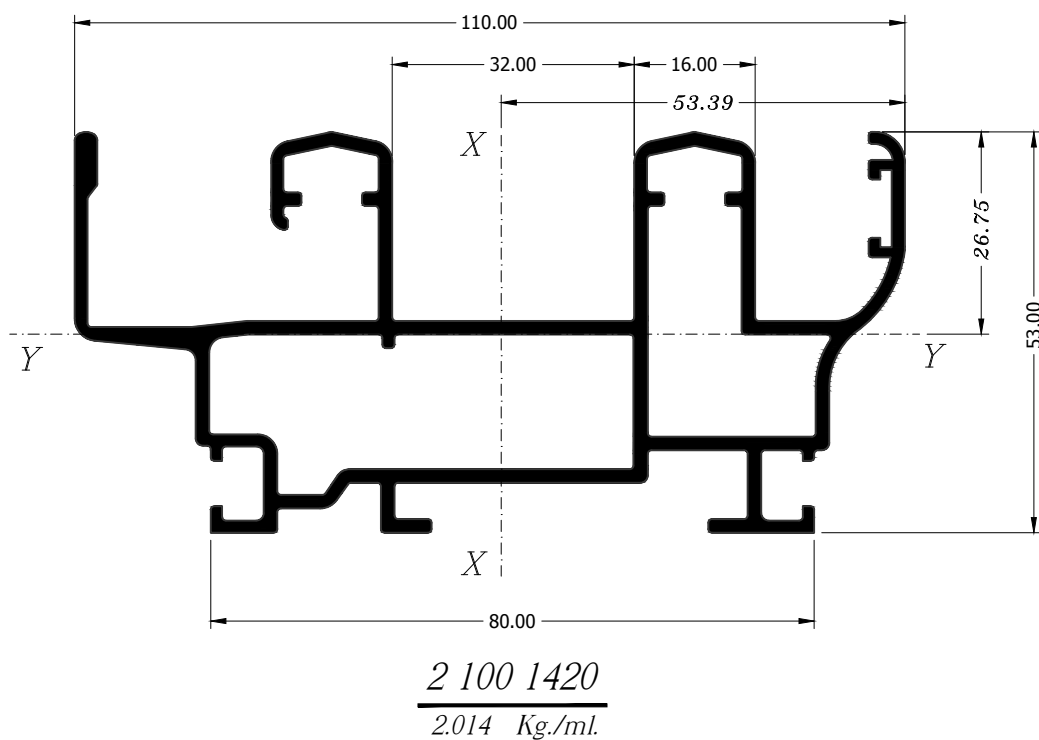
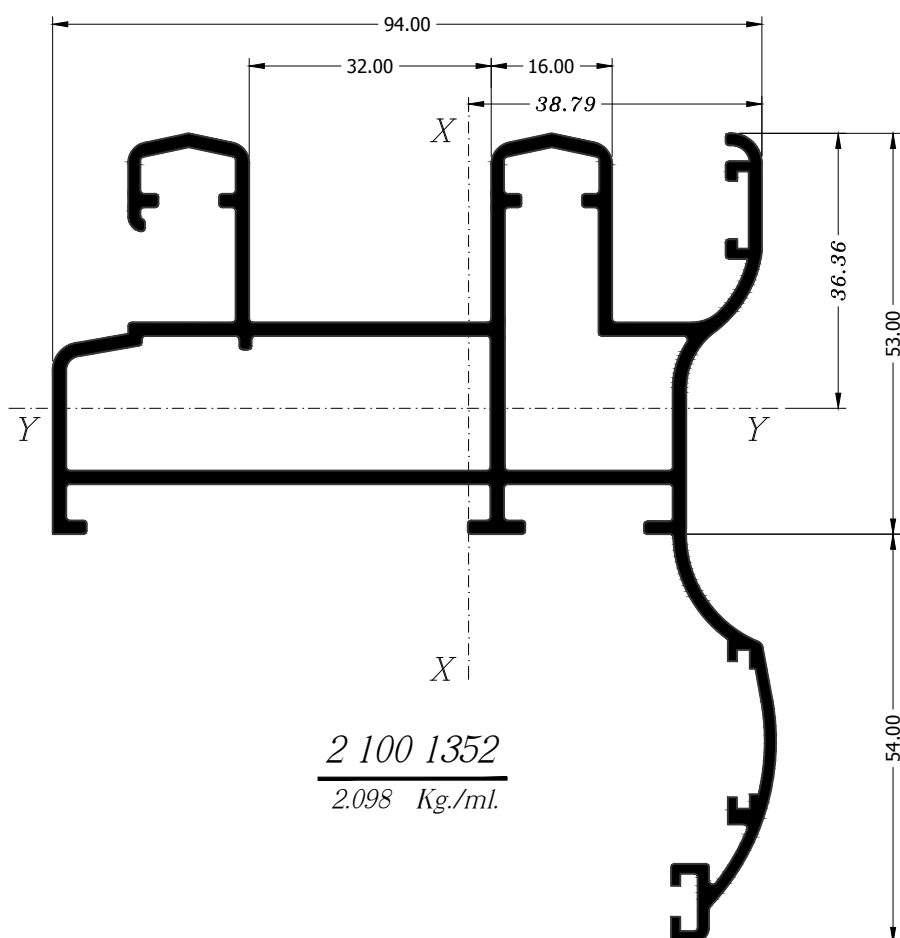
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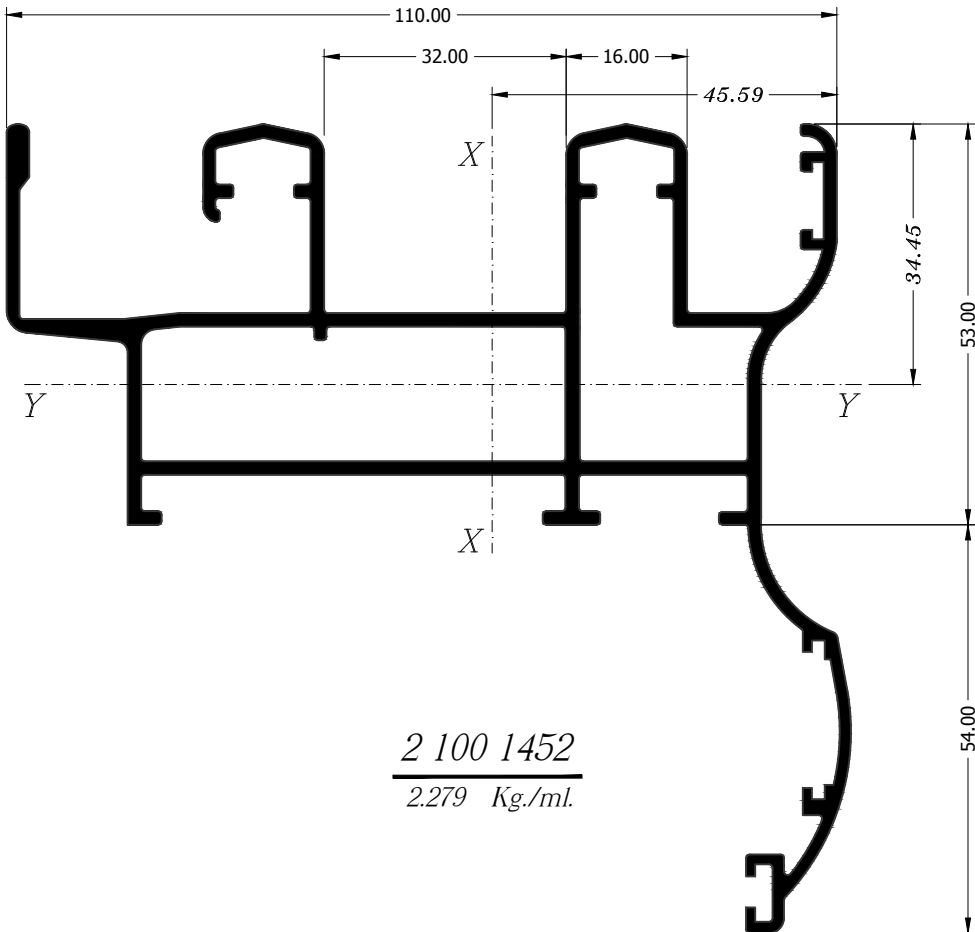
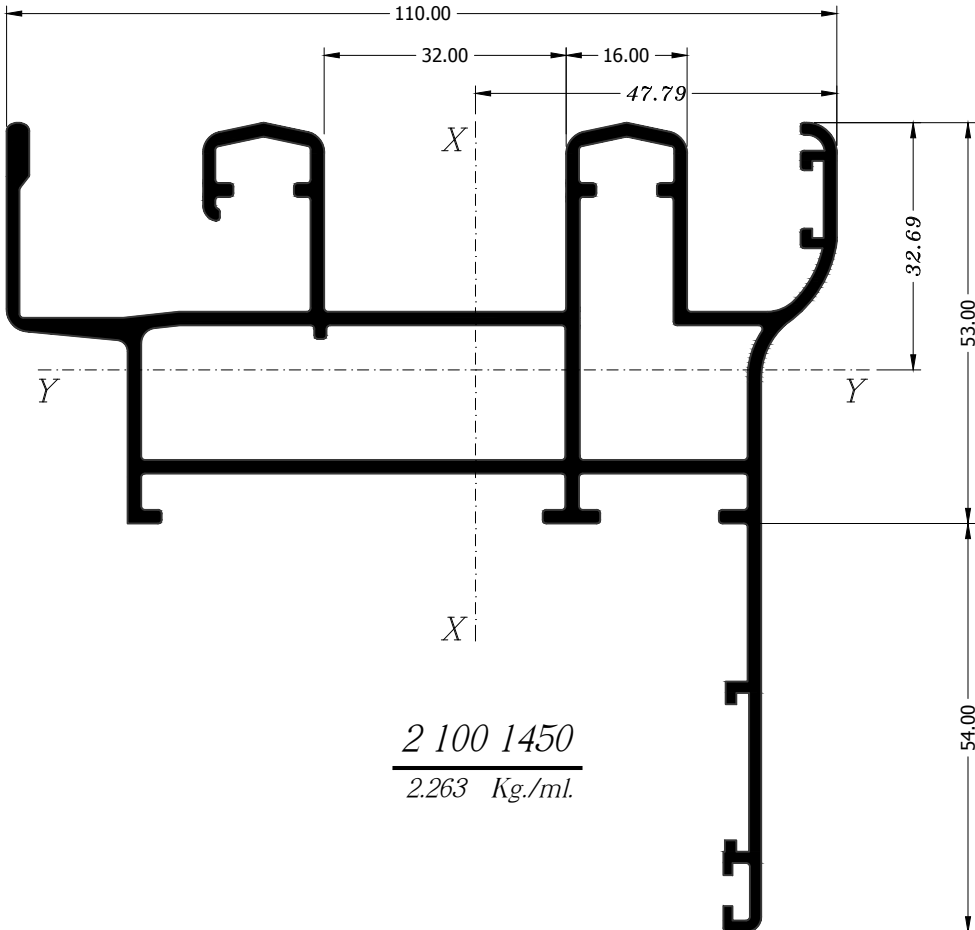


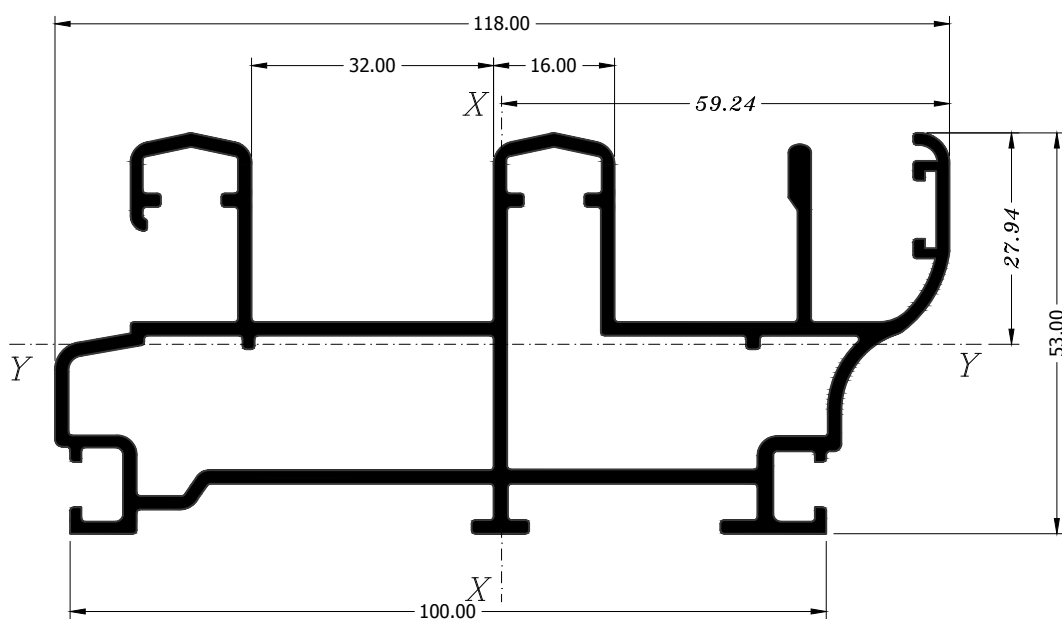
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1.781 Kg./ml.



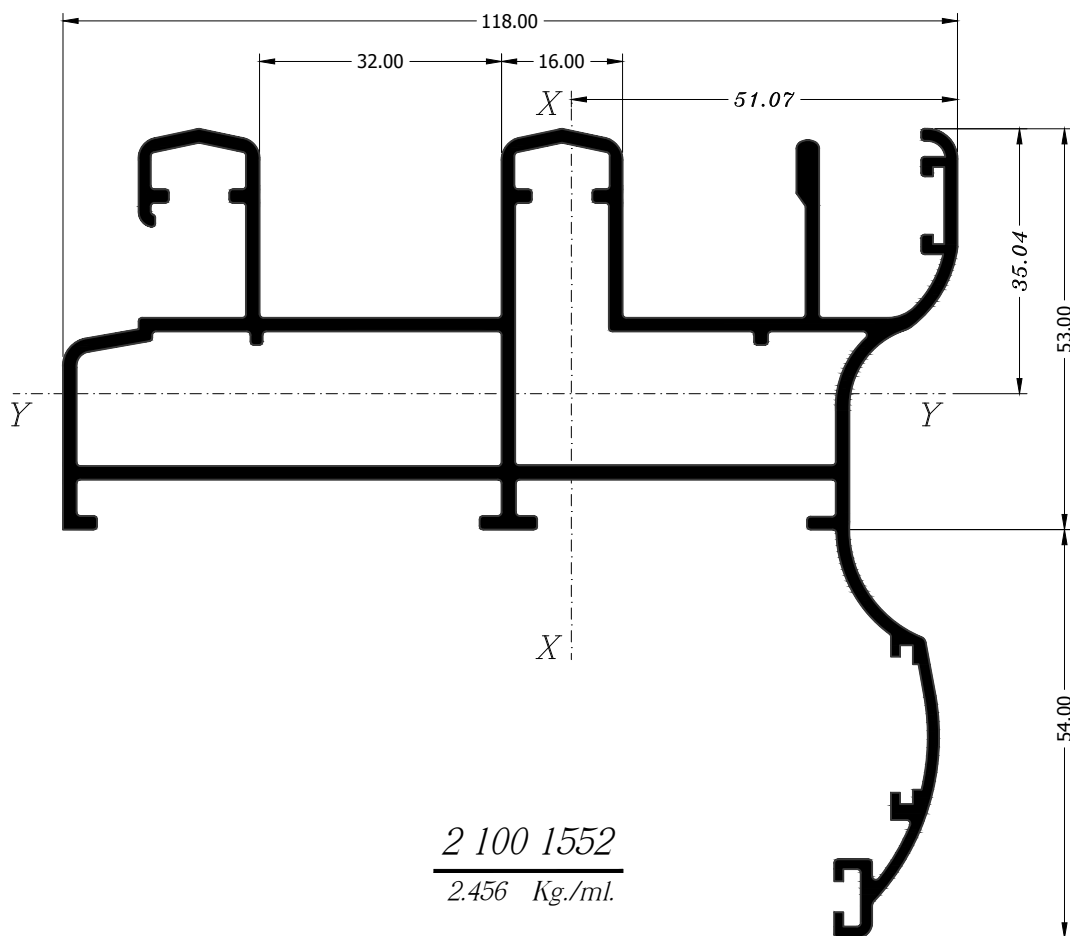
2 100 1350
2.025 Kg./ml.



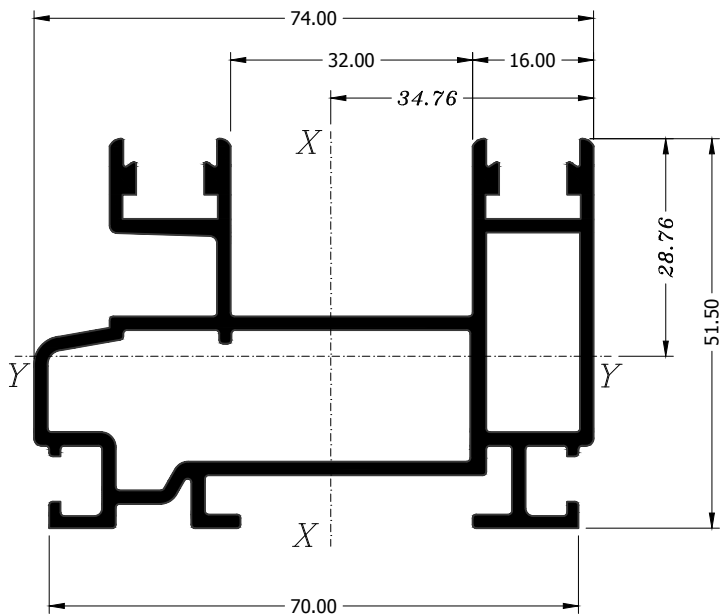




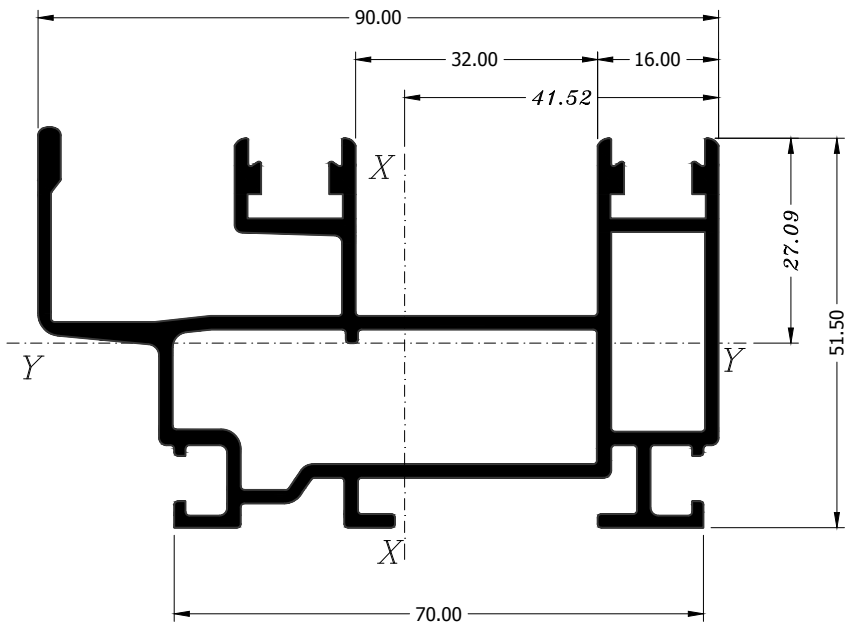
2 100 1520
2.135 Kg./ml.



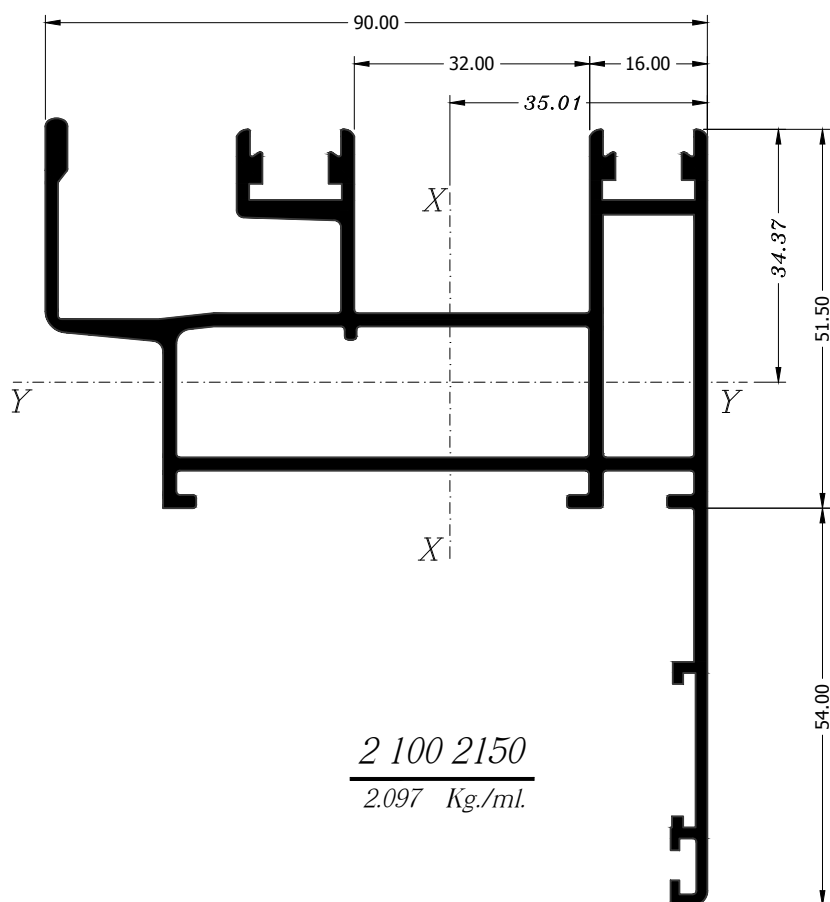
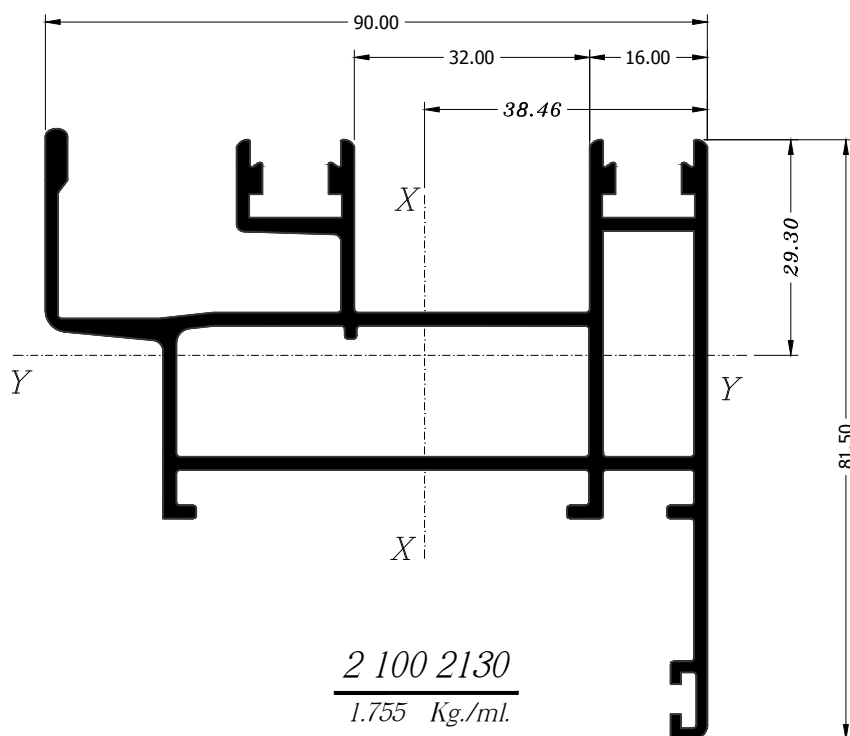
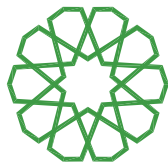
2 100 1552
2.456 Kg./ml.

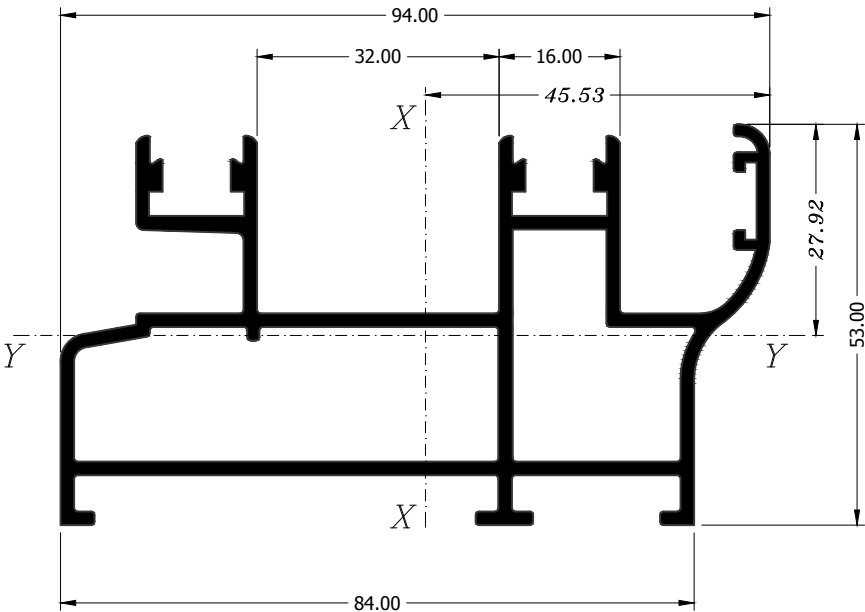


2 100 2020
1.631 Kg./ml.

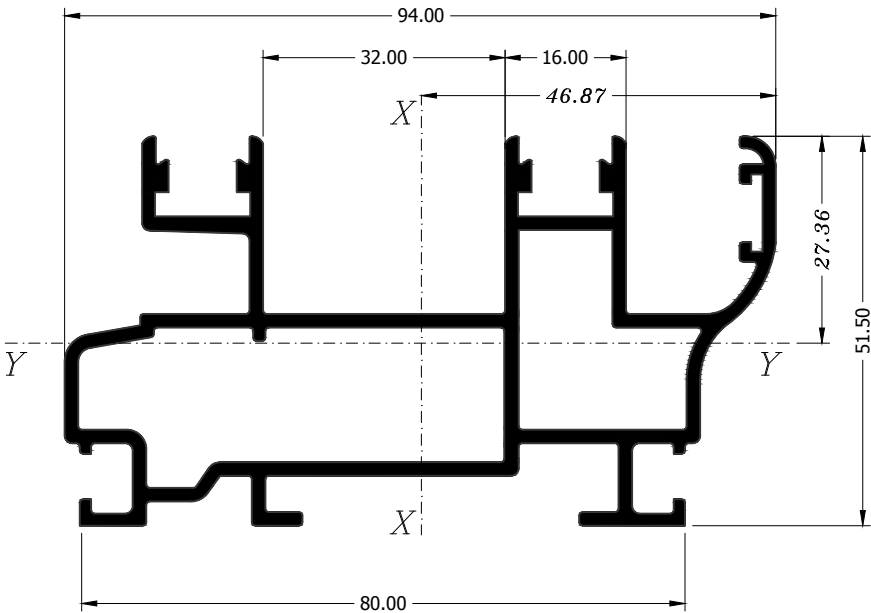


2 100 2120
1.883 Kg./ml.

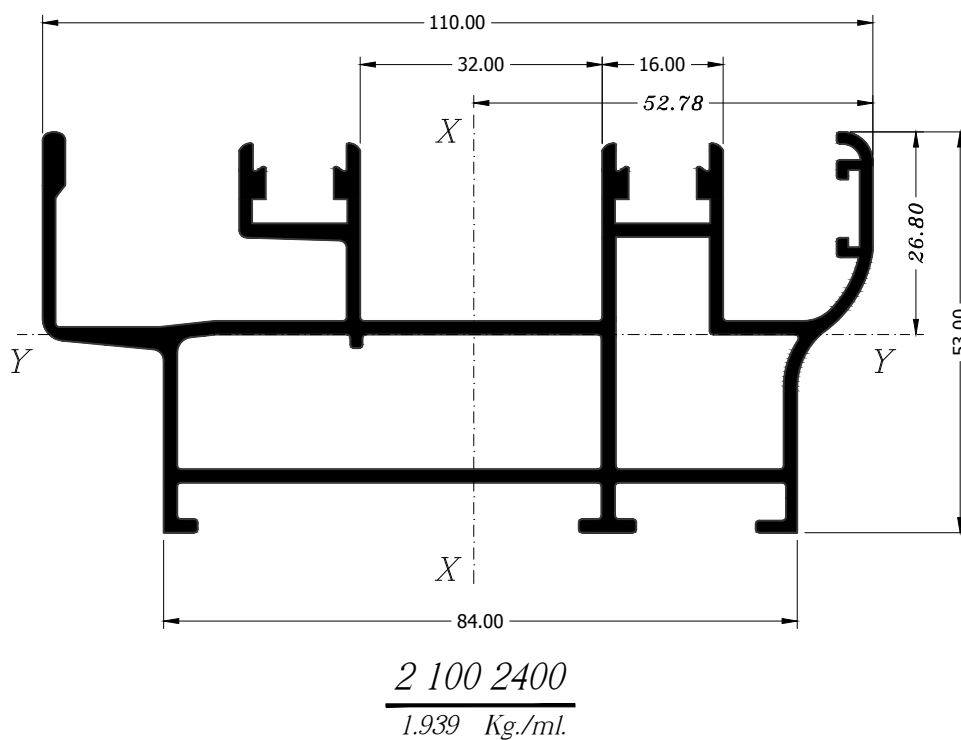
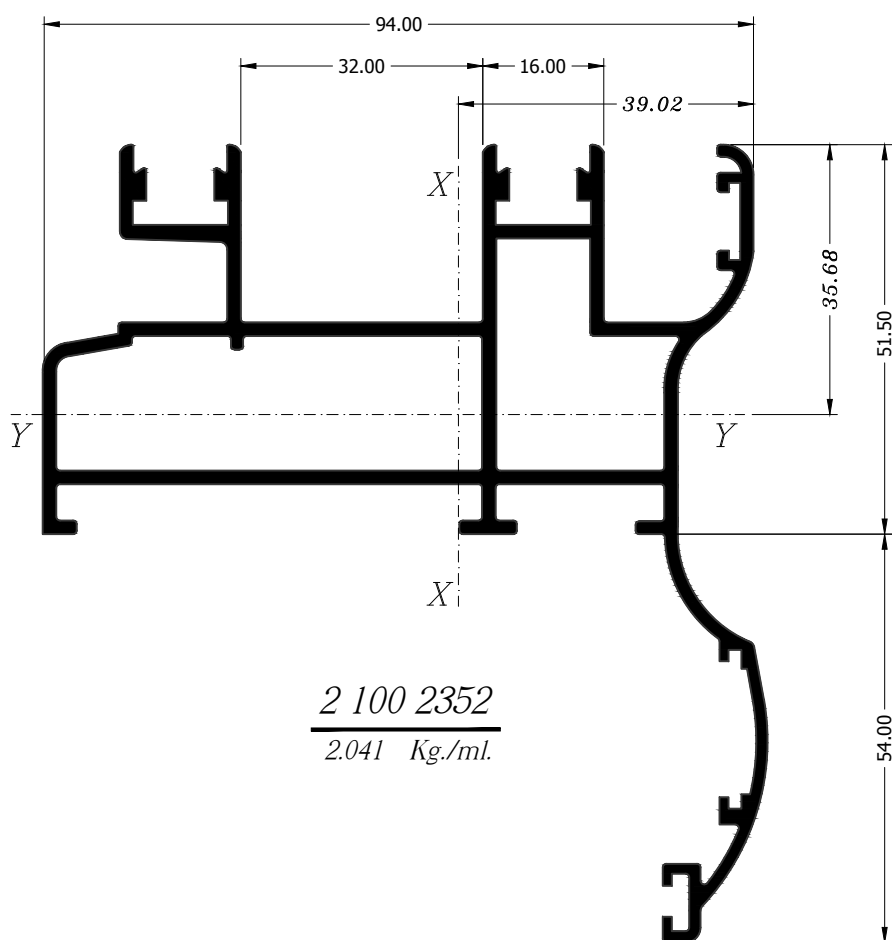
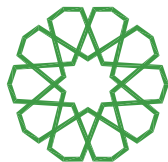


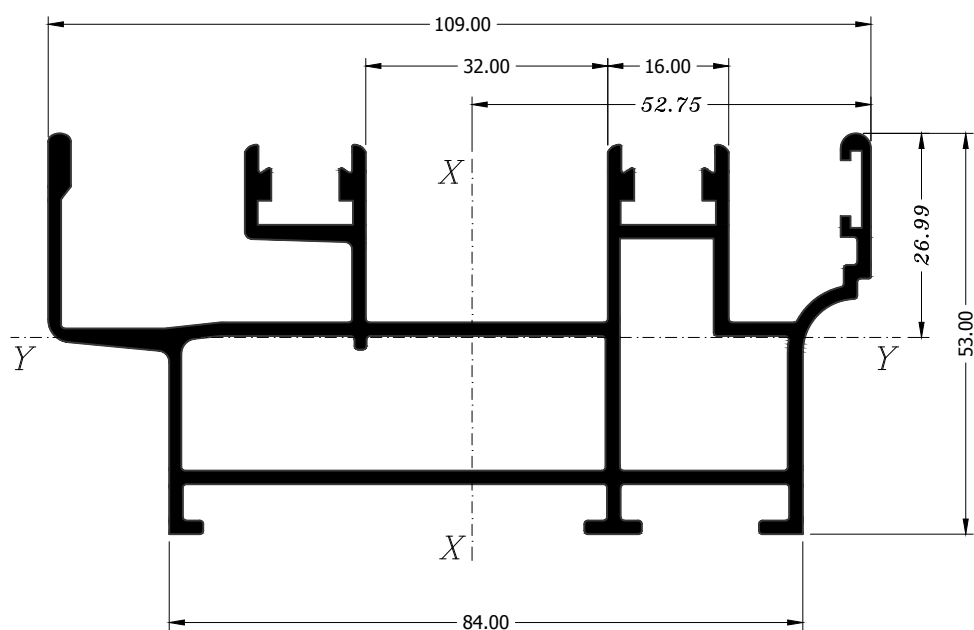
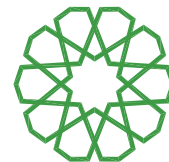
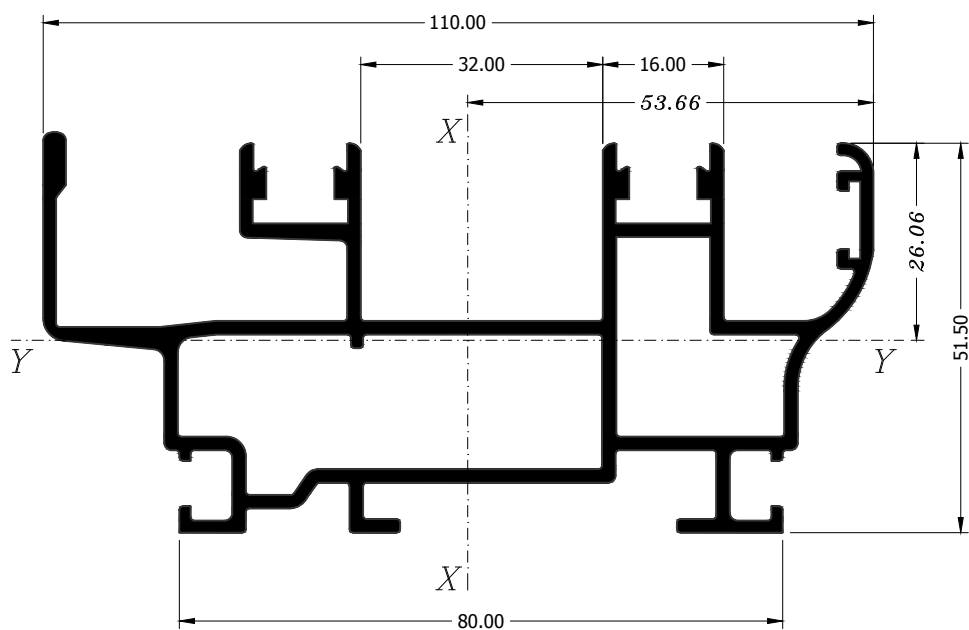


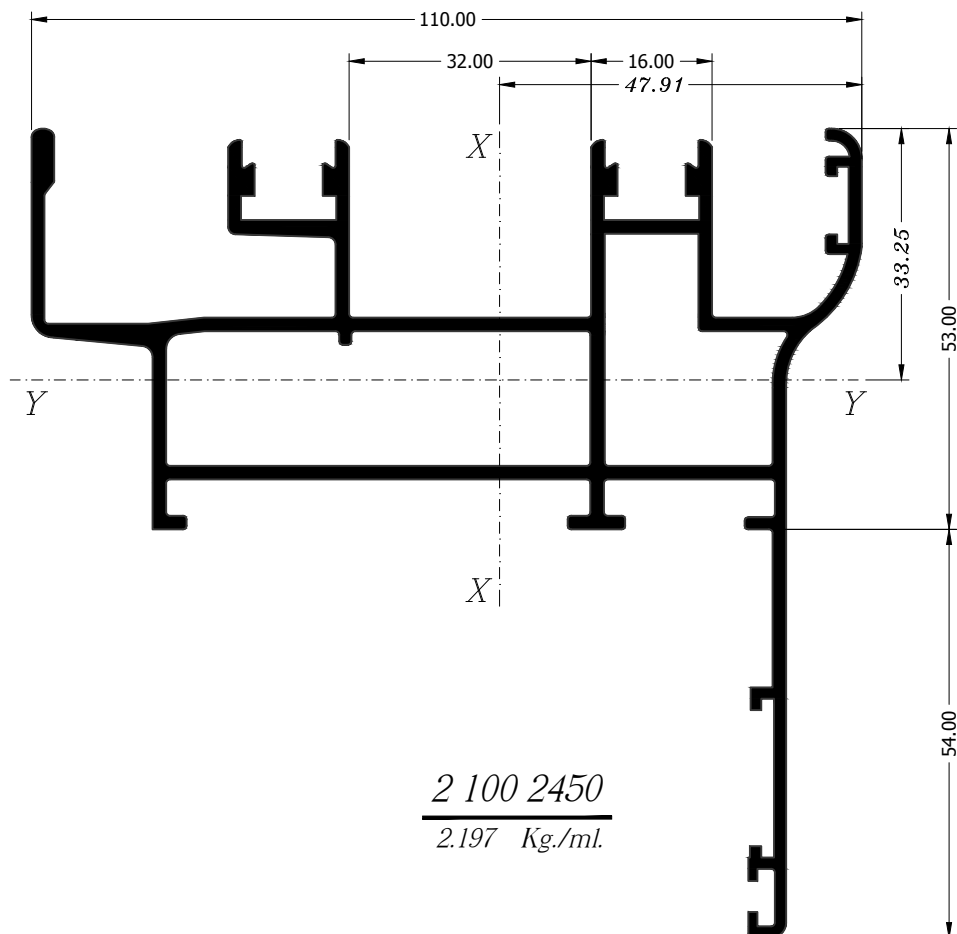
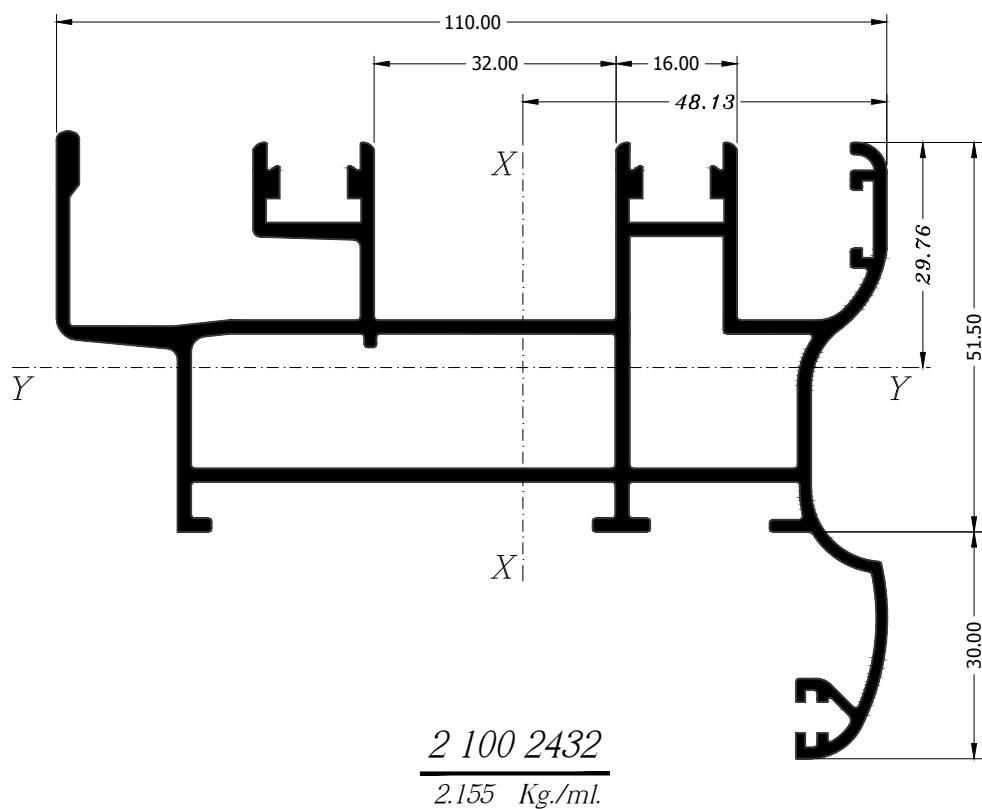
2 100 2300
1.646 Kg./ml.

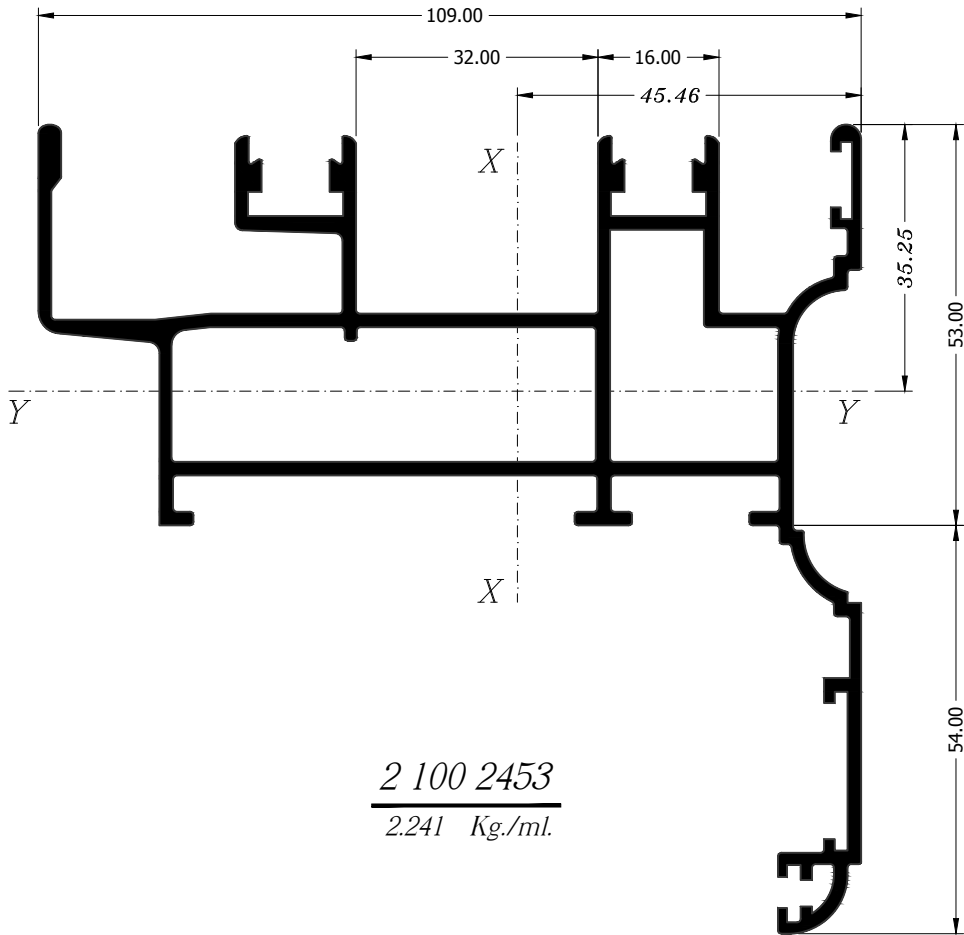
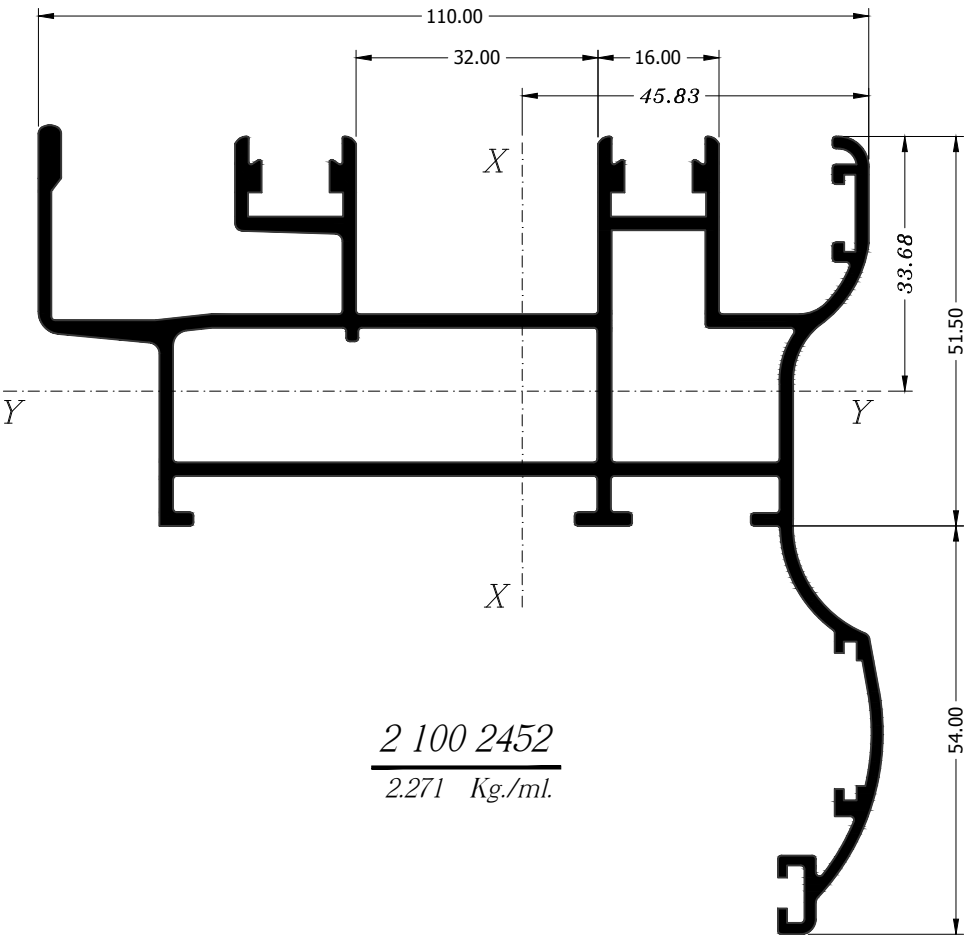


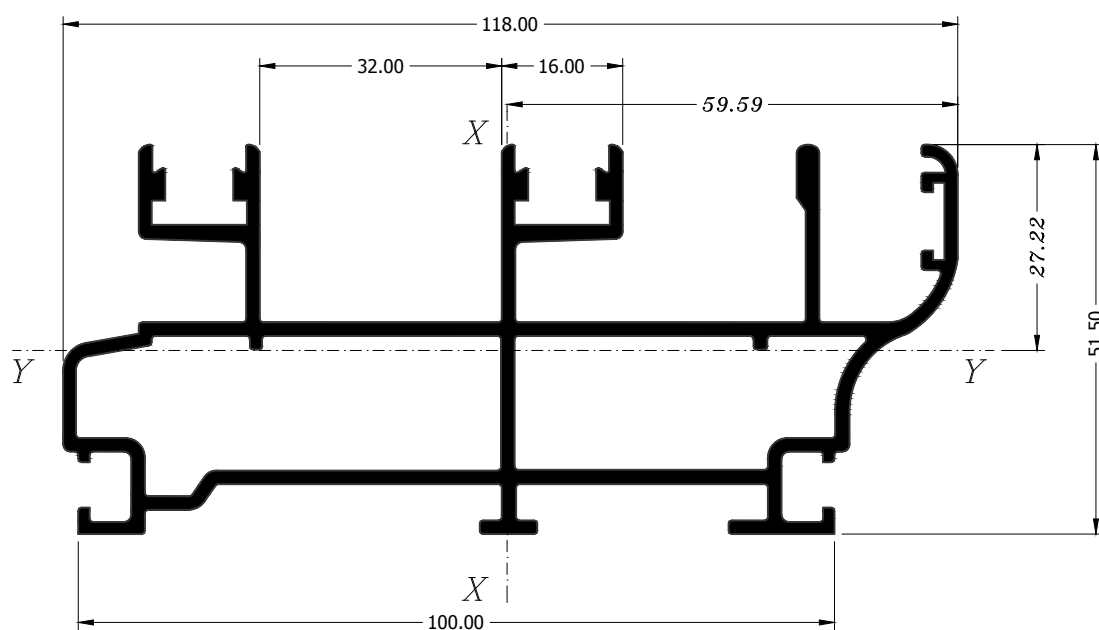
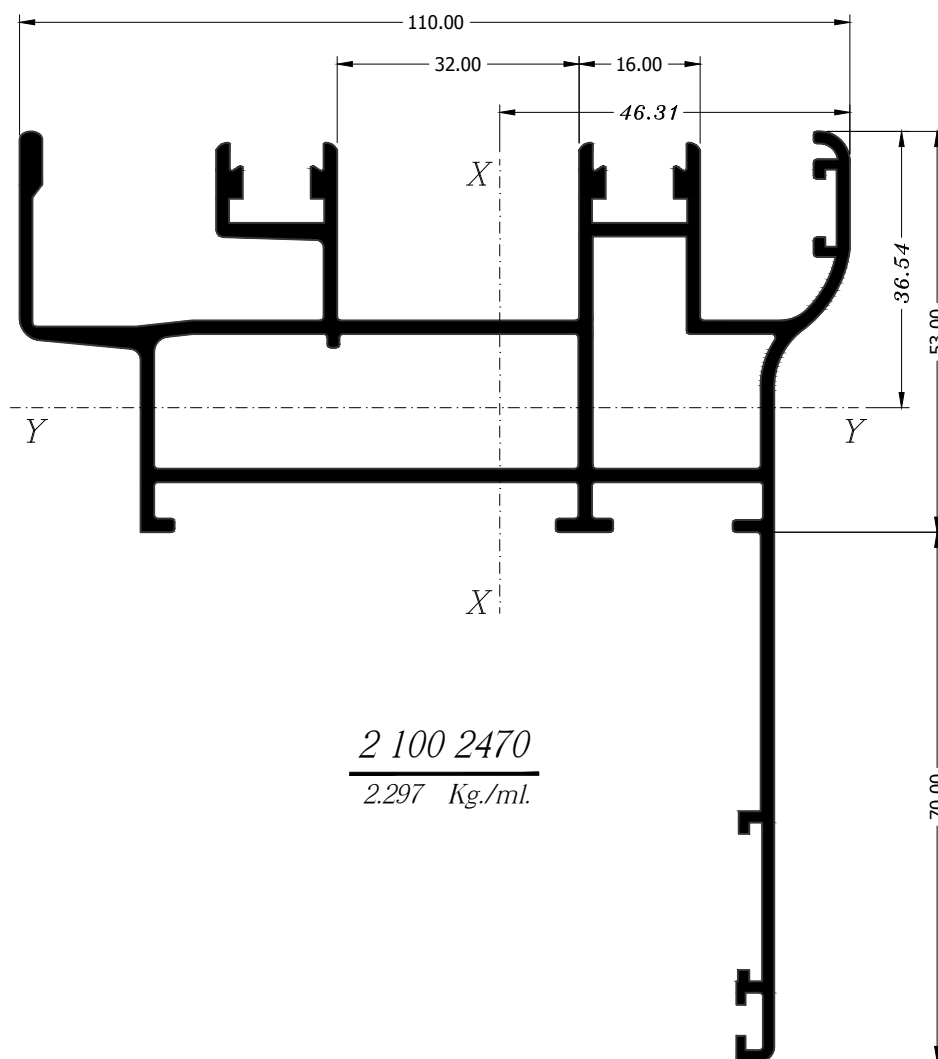
2 100 2320
1.772 Kg./ml.

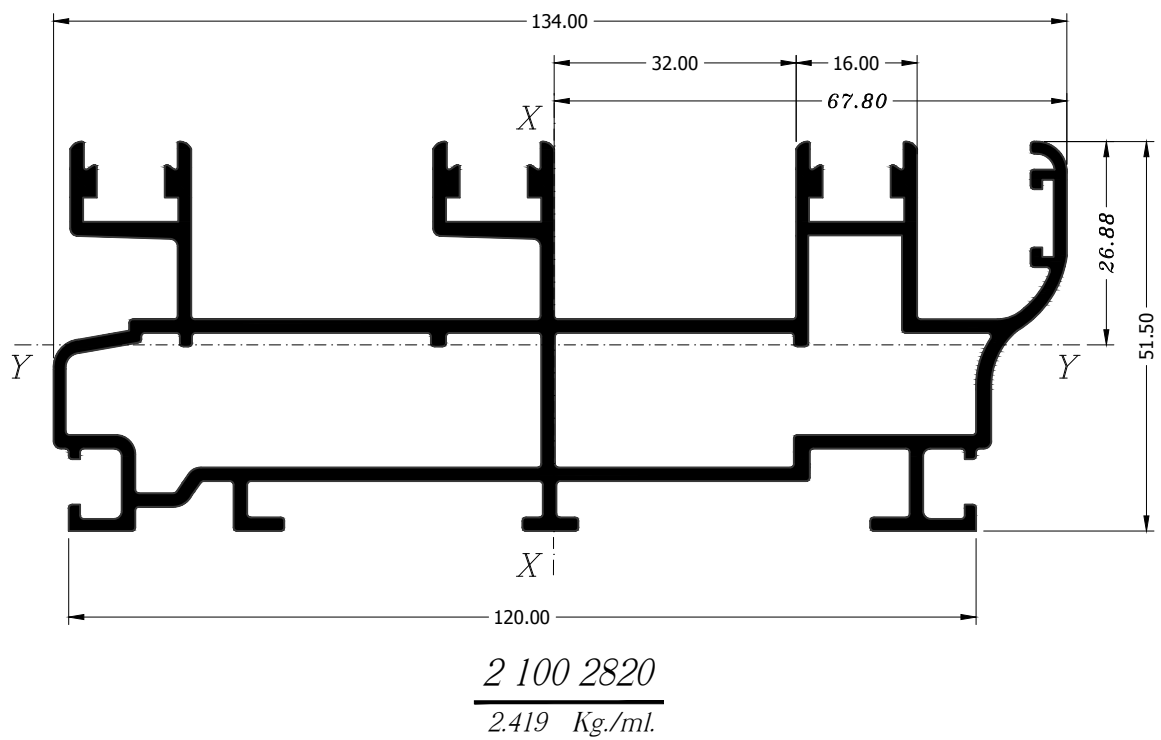
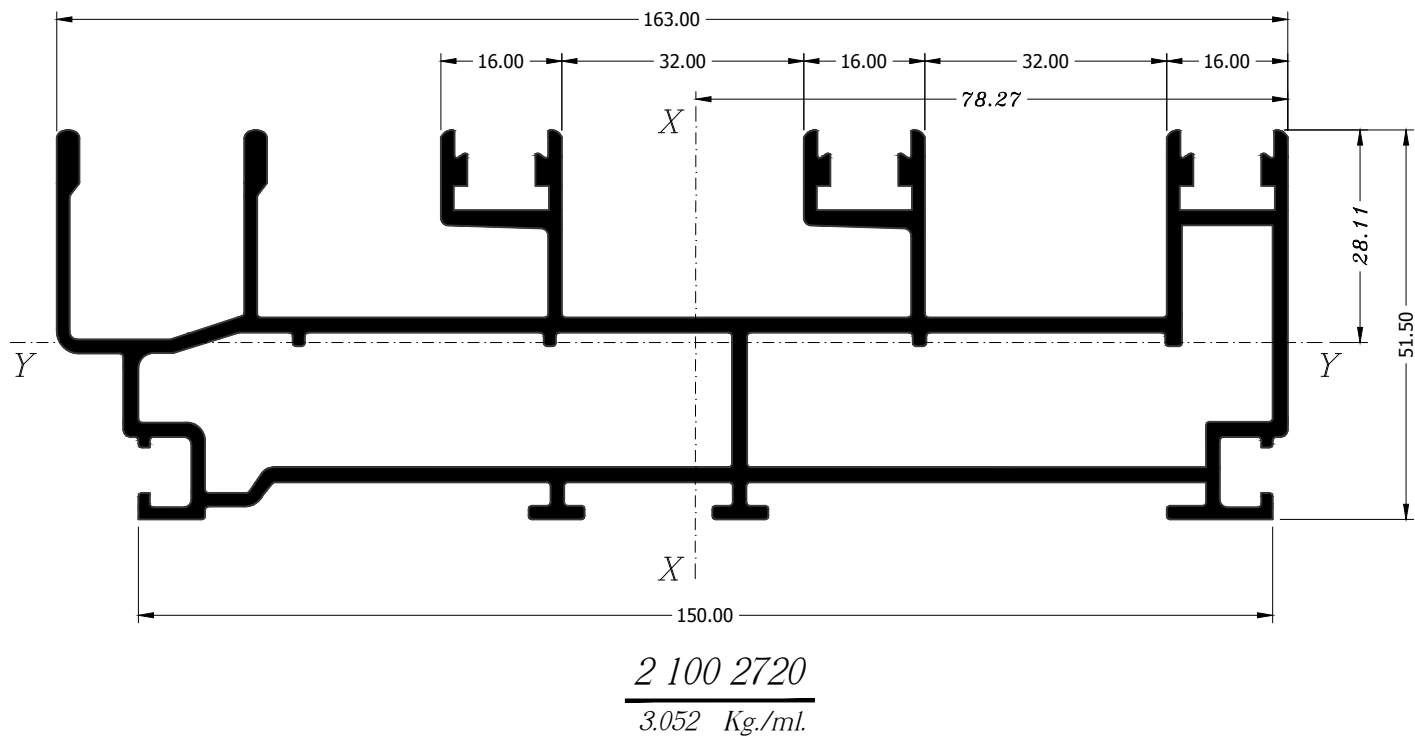


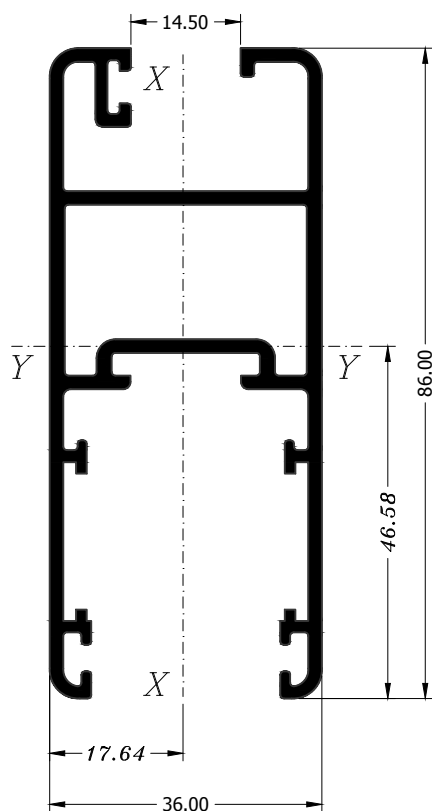

$$\frac{2\ 100\ 2403}{1.901\ Kg./ml.}$$

$$\frac{2\ 100\ 2420}{2.006\ Kg./ml.}$$



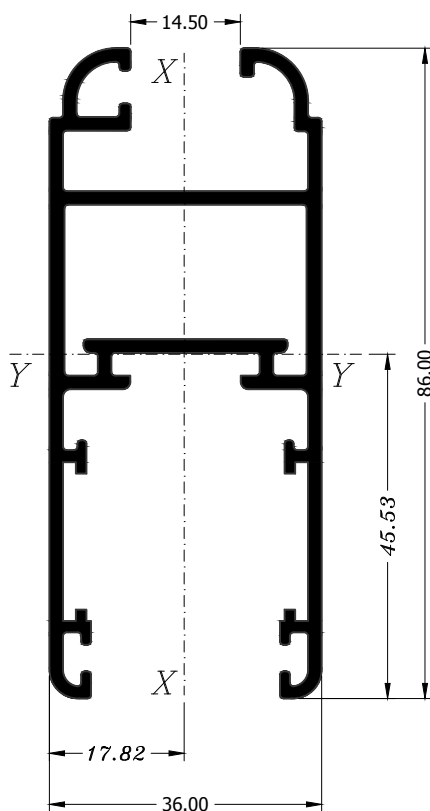




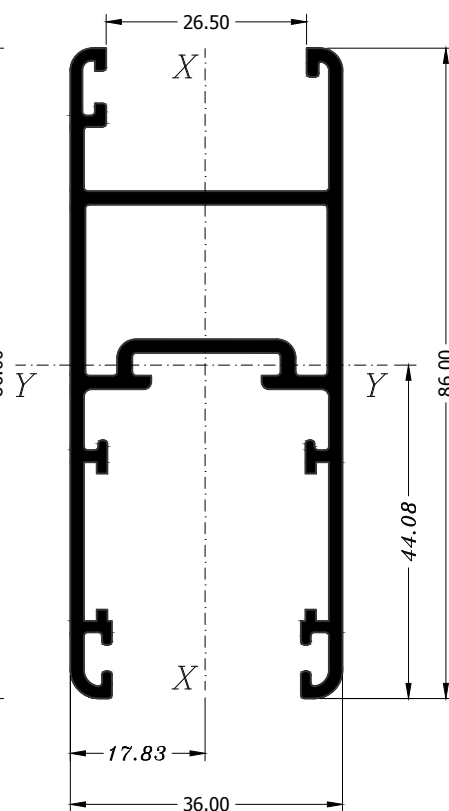




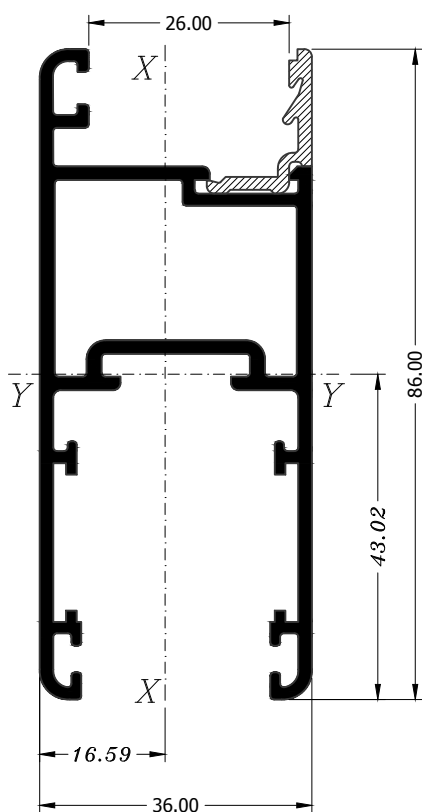
2 100 4110
1.366 Kg./ml.



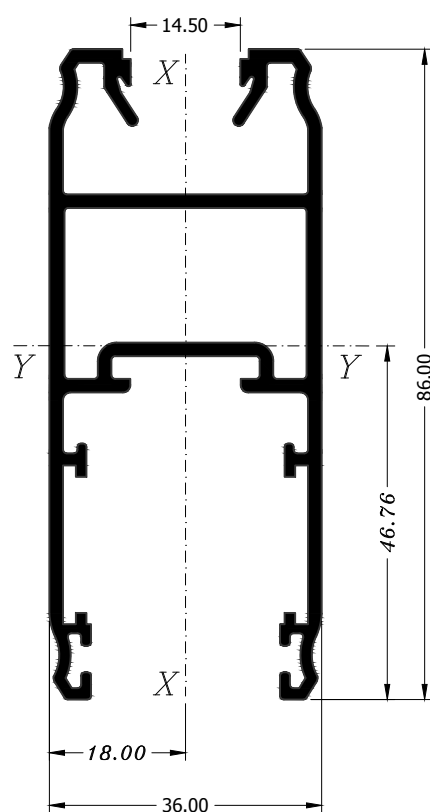
2 100 4113
1.339 Kg./ml.



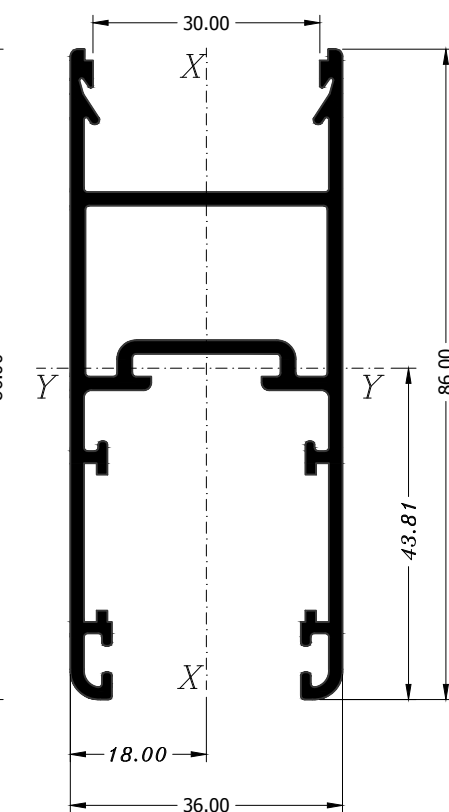
2 100 4120
1.280 Kg./ml.



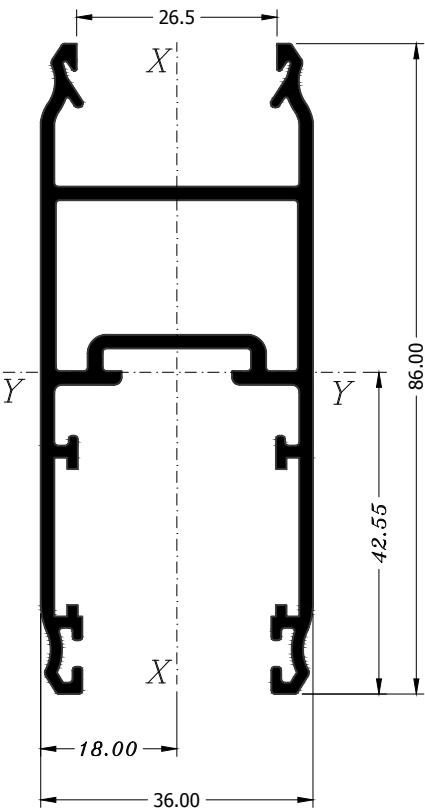
2 100 4141
1.253 Kg./ml.



2 100 4214
1.346 Kg./ml.

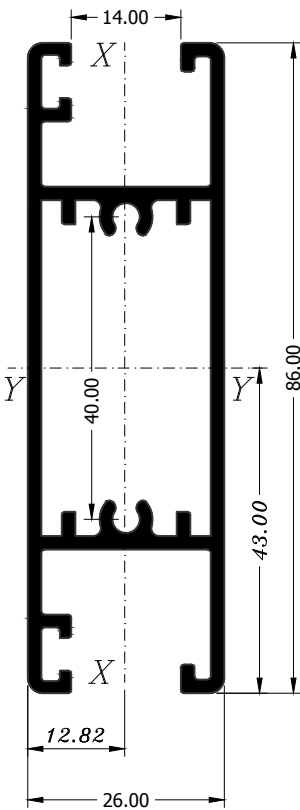


2 100 4220
1.279 Kg./ml.



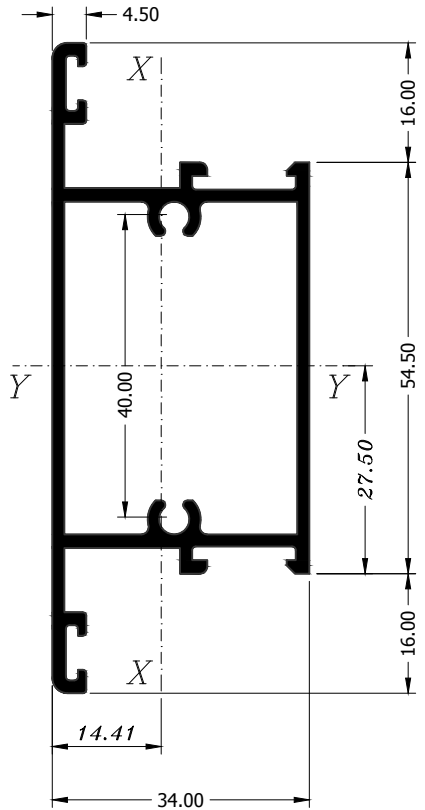
2 100 4224

1.265 Kg./ml.



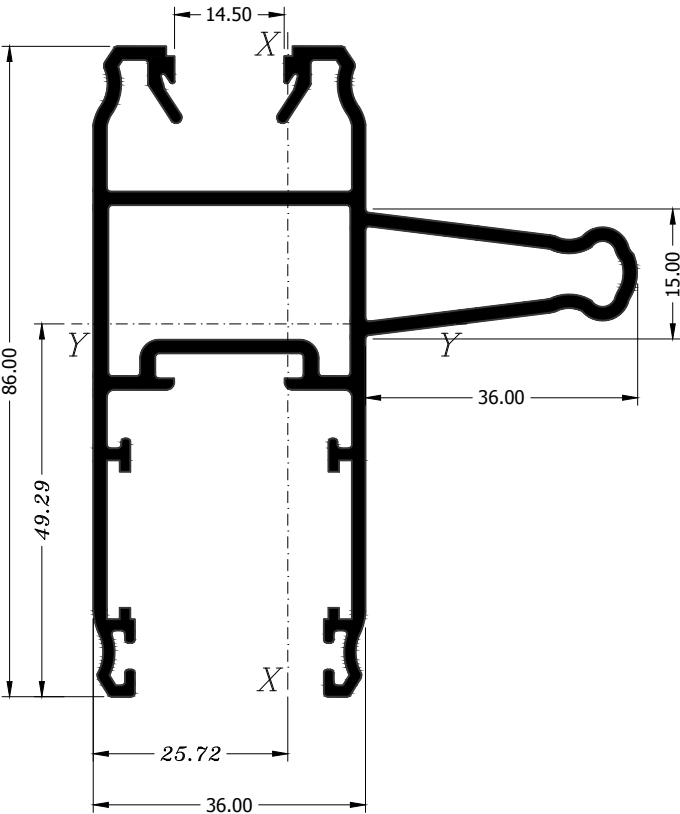
2 100 5110

1.199 Kg./ml.



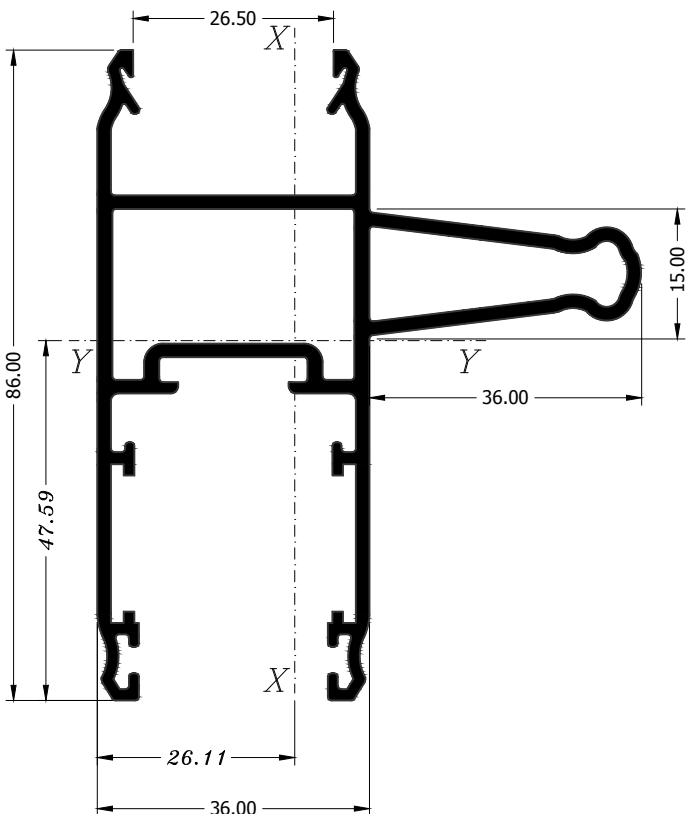
2 100 5140

1.069 Kg./ml.



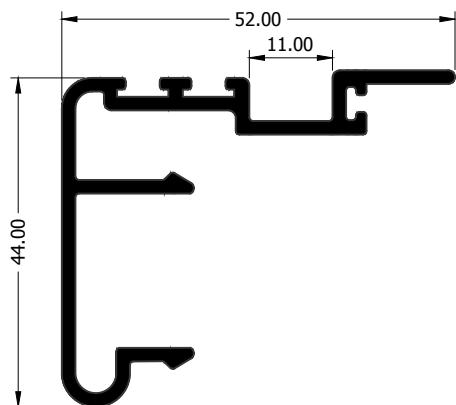
2 100 4414

1.694 Kg./ml.

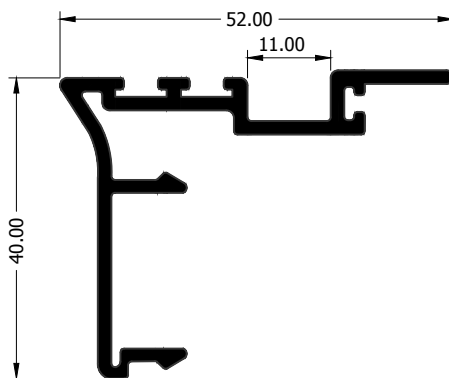


2 100 4424

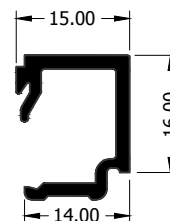
1.613 Kg./ml.



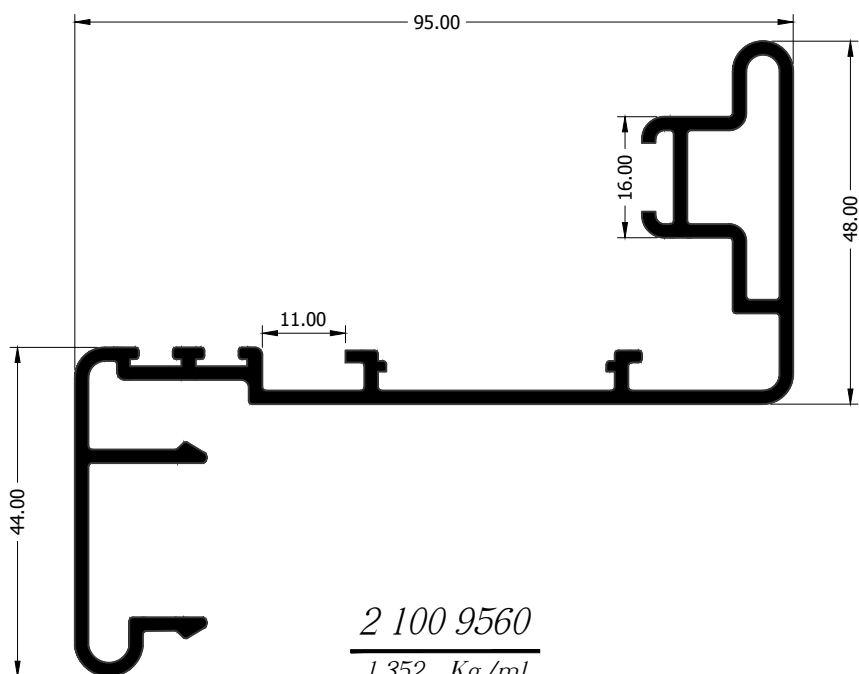
2 100 9510
0.654 Kg./ml.



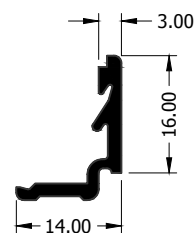
2 100 9514
0.584 Kg./ml.



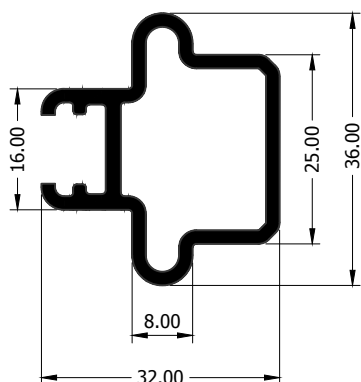
2 100 6120
0.205 Kg./ml.



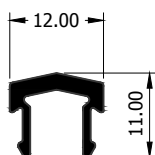
2 100 9560
1.352 Kg./ml.



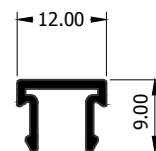
2 100 6180
0.149 Kg./ml.



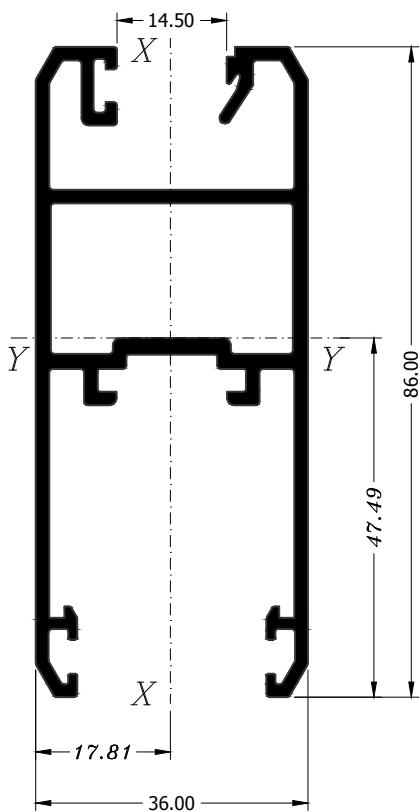
2 100 9610
0.572 Kg./ml.



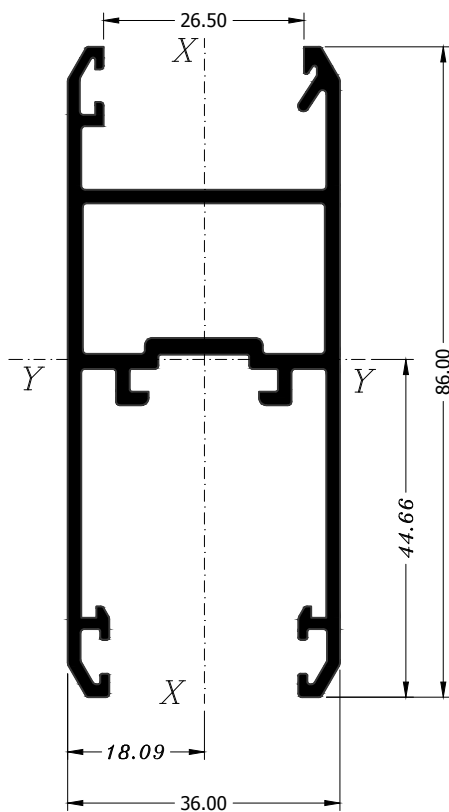
2 100 9210
0.140 Kg./ml.



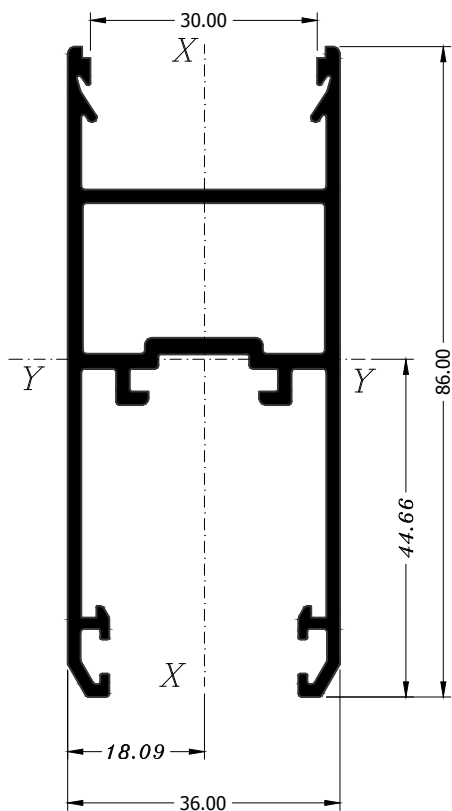
2 100 9230
0.092 Kg./ml.



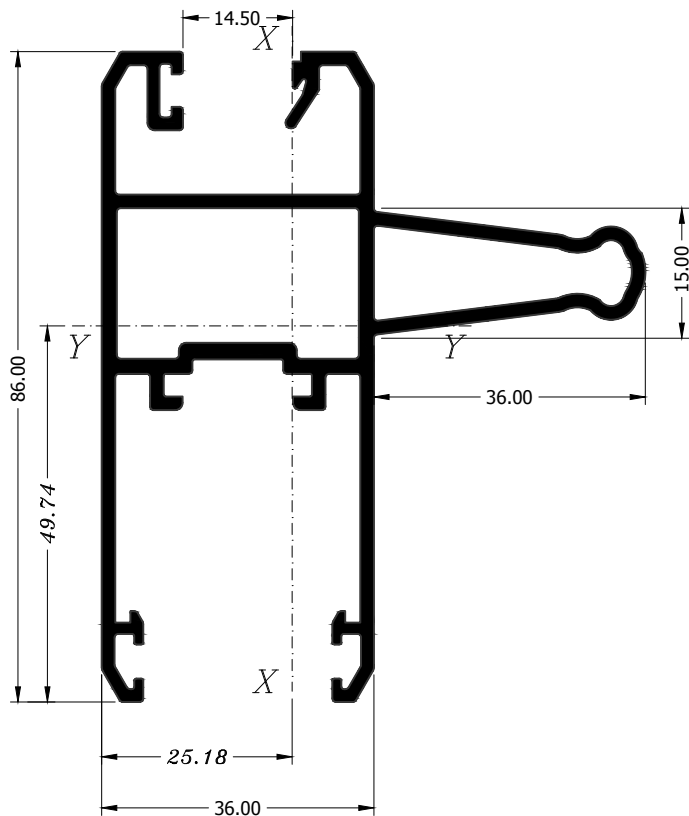
2 100 4518
1.435 Kg./ml.



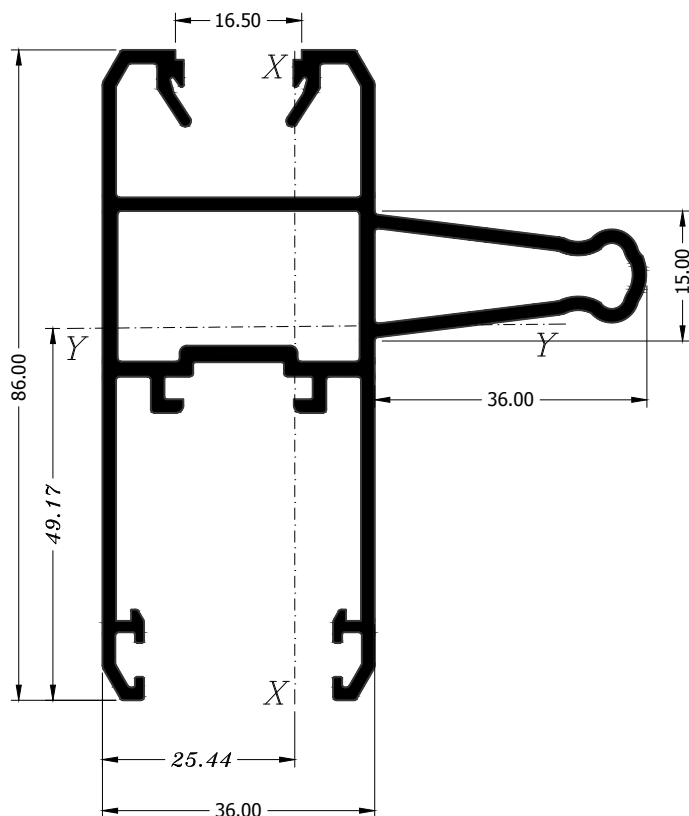
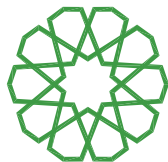
2 100 4528
1.334 Kg./ml.



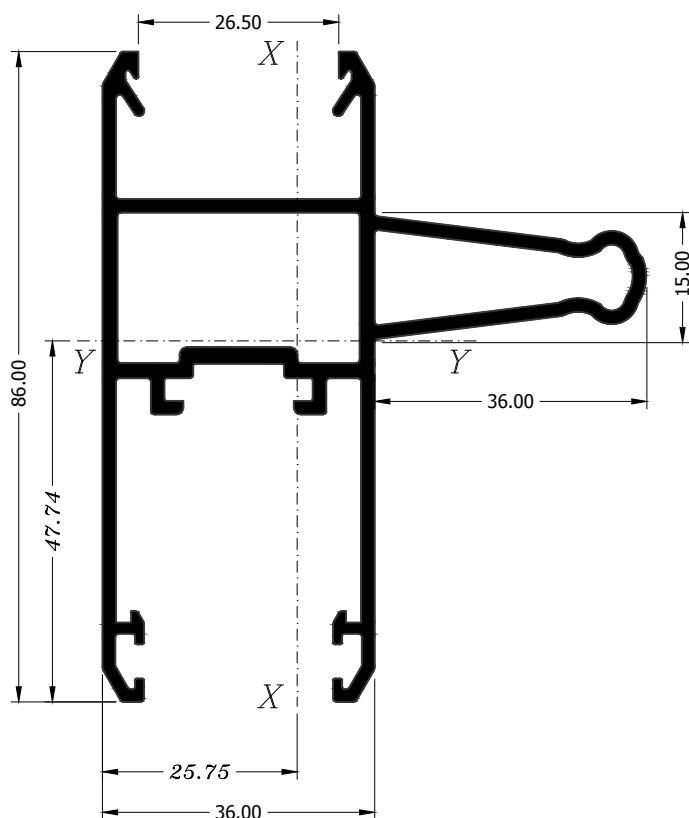
2 100 4630
1.336 Kg./ml.



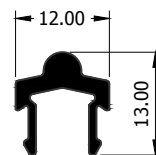
2 100 4718
1.789 Kg./ml.



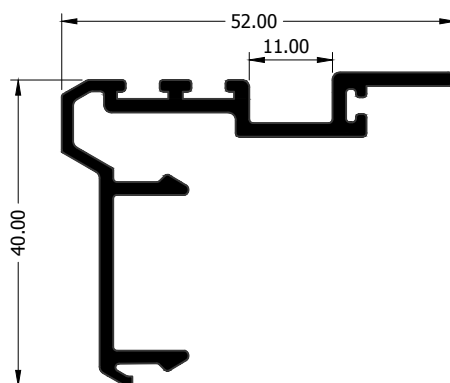
2 100 4818
1.760 Kg./ml.



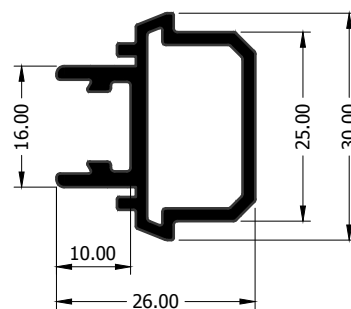
2 100 4828
1.689 Kg./ml.



2 100 9220
0.169 Kg./ml.



2 100 9518
0.594 Kg./ml.



2 100 9620
0.522 Kg./ml.

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