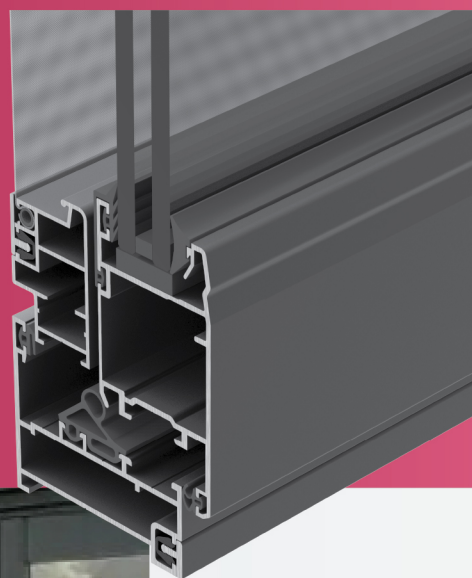




Machines & Aluminium Center
مركز ماكينات ومستلزمات الألومنيوم

ROCK 60

Hinged 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.

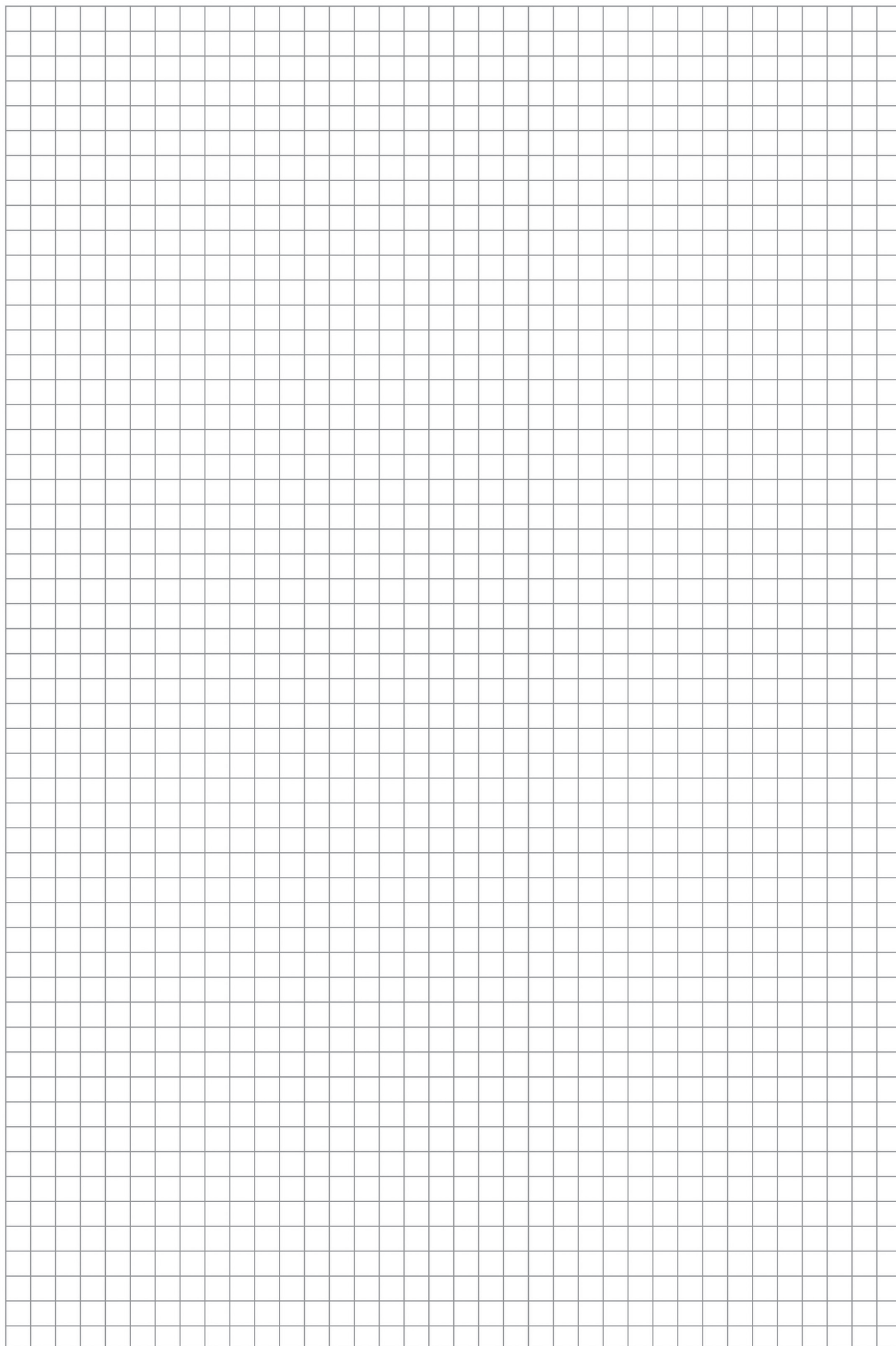
The items shown are the exclusive property of **MACHINES & ALUMINIUM CENTER** and may not be even partially reproduced without **MACHINES & ALUMINIUM CENTER** authorization.

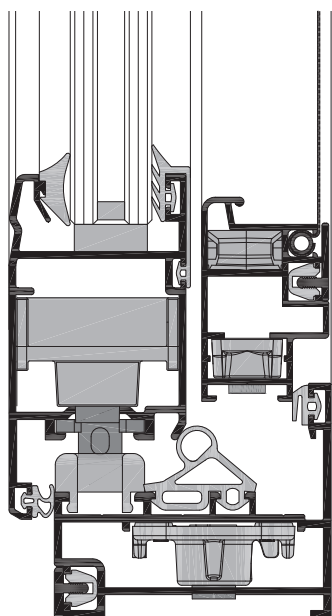
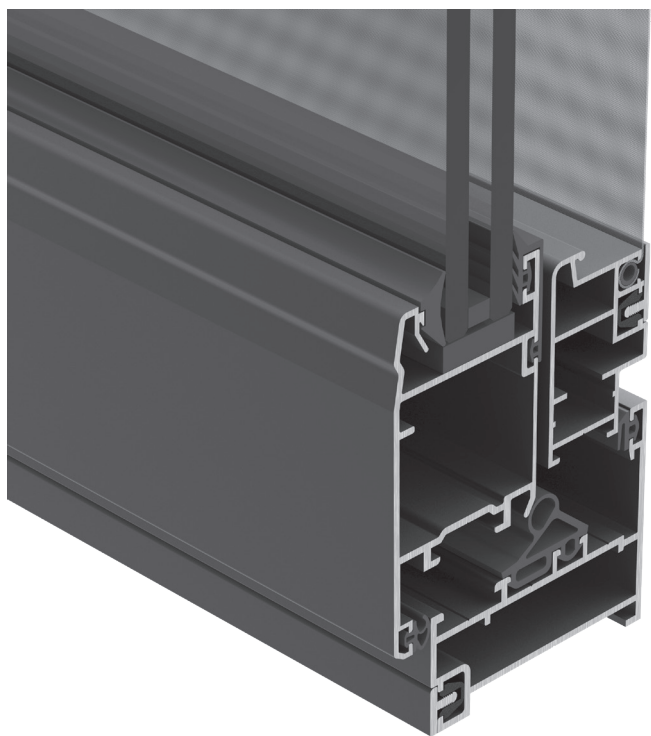
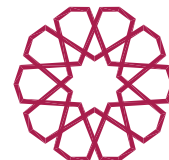
The manufacturer reserves the right to modify the items in this catalog without advanced notice.

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Complies with European norm
hEN 1435-1

Air Permeability	(Class 4) up to 600 pa.
Water Tightness	(Class E900) up to 900 pa.
Resistance to wind load	(Class C4) up to 1600 pa.

- Available in 3 different various designs, classic, concealed and in-frame fly screen innovation.
- Concealed opening frame that makes fixed and openable panels have the same outside appearance (optional).
- One frame can hold glass sash with integrated openable fly screen sash, both can be fully inward opened.
- Can be provided with triple glazing and with double glazing without losing its integrated fly screen capabilities.
- Used for doors and windows with large openings to obtain a wide view.

Technical Characteristics

Frame Depth

61 mm. to 104 mm.

Frame Height

52 mm. to 130 mm.

Sash Depth

39 mm. to 71 mm.

Sash Height

57 mm. to 113 mm.

Max Glass Thickness

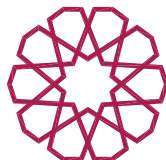
Up to 36 mm.

Max Sash Weight

Up to 160 kg.

Sealing Type

EPDM gasket with central gasket



EUROPEAN CERTIFYING ORGANIZATION S.P.A.
NOTIFIED TESTING LABORATORY N. 0714
FOR REGULATION (EU) No 305/2011
CLASSIFICATION ASSESSMENT
N. 0714-CPR-1312 DATED FEBRUARY, 12 2016

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: Hinged Window, Single Leaf (open in).
Model: ROCK 60 – Hinged System
Width= 800 mm, Height = 1,200 mm, Thickness = 70 mm

Fabrication number:

Date of fabrication: 2016

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 CP0025/7, dated February 10, 2016, 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 4
WATERTIGHTNESS:	CLASS E900
RESISTANCE TO WIND LOAD:	CLASS C4

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.

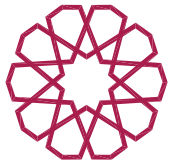
Faenza, February 12, 2016

Resp. Tecnico ECO S.p.A.

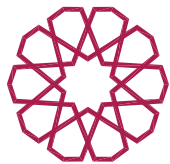
Ing. Gianluca Giamberini

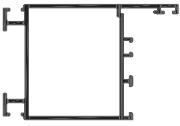
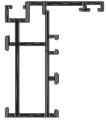
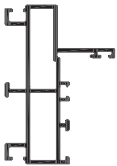
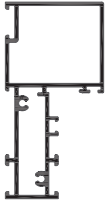
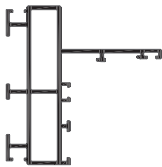
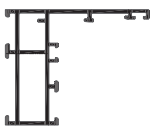
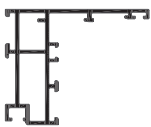
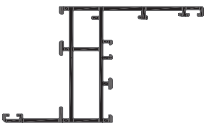
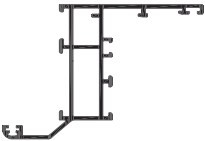
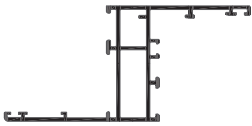


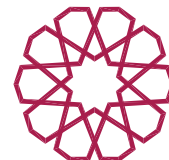
ECO Certificazioni S.p.A. • Via Mengolina, 33
48018 Faenza (RA) - ITALY
Tel. +39 0546 624911 • Fax +39 0546 624922
E-mail: info@eco-cert.it • www.ecocertificazioni.eu



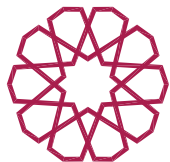
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	10611150	Frame Profile	1.387	490	27.49	25.59	
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	10611158	Frame Profile	1.431	506	35.25	28.58	
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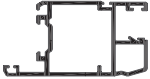
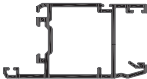
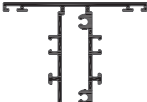
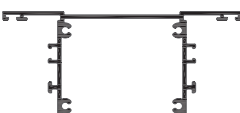


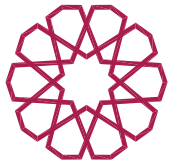
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	10612088	Frame Profile	1.577	521	37.87	21.24	
	10612103	Frame Profile	1.719	434	71.20	17.15	
	10613000	Frame Profile	1.248	409	21.17	16.82	
	10613010	Frame Profile	1.290	431	21.64	17.35	
	10613030	Frame Profile	1.403	500	27.93	25.00	
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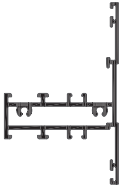
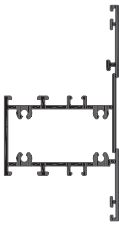
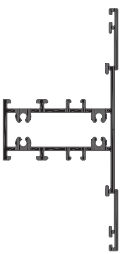
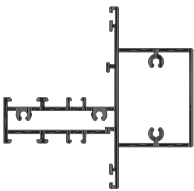
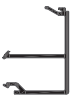


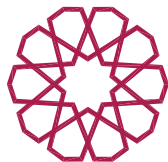
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	10614220	Leaf Profile	1.454	468	28.75	27.64	
	10614410	Leaf Profile	1.108	343	17.96	8.56	
	10614430	Leaf Profile	1.211	343	17.41	7.81	
	10614460	Leaf Profile	1.356	360	22.36	9.95	
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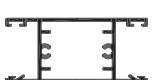
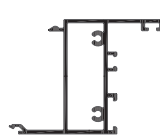


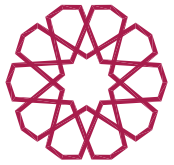
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	10614959	Leaf Profile	1.715	414	24.99	32.61	
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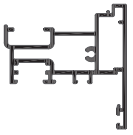
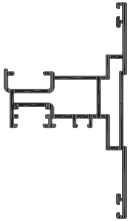
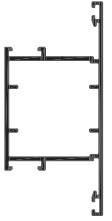
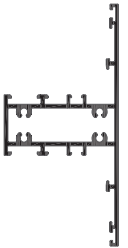


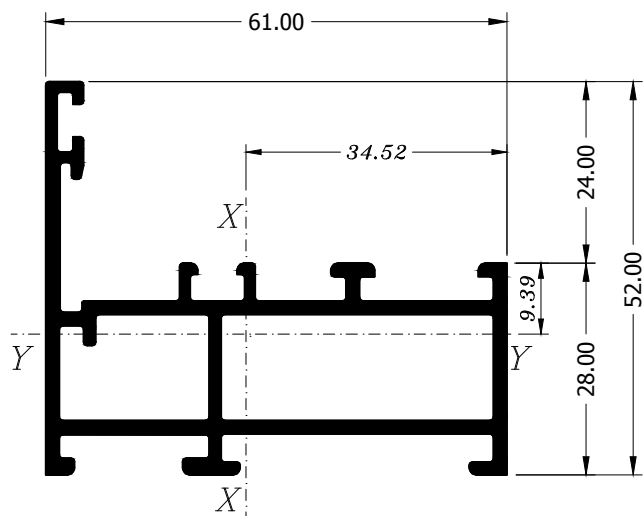
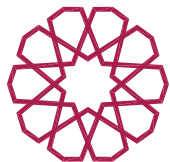
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	10616160	Glass Beading Profile	0.370	221	2.04	1.18	
	10616170	Glass Beading Profile	0.337	204	1.17	1.08	
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	10616190	Glass Beading Profile	0.311	189	0.55	0.97	



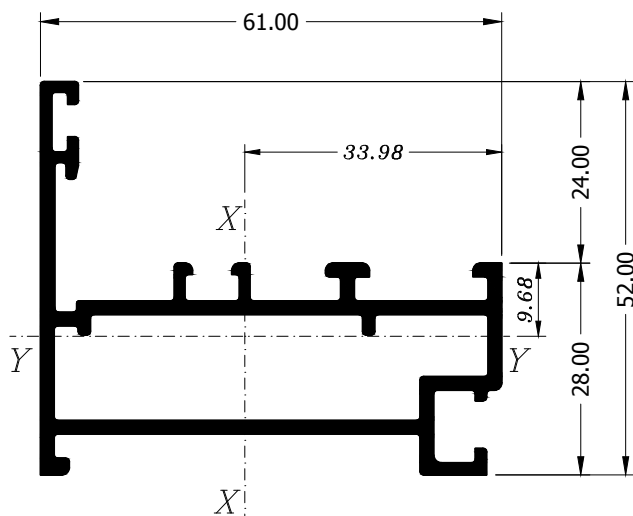
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	10616500	Glass Beading Profile	0.142	71	0.07	0.15	
	10619110	Insert Profile	0.769	349	13.05	2.16	
	10619120	Insert Profile	0.329	173	0.42	0.79	
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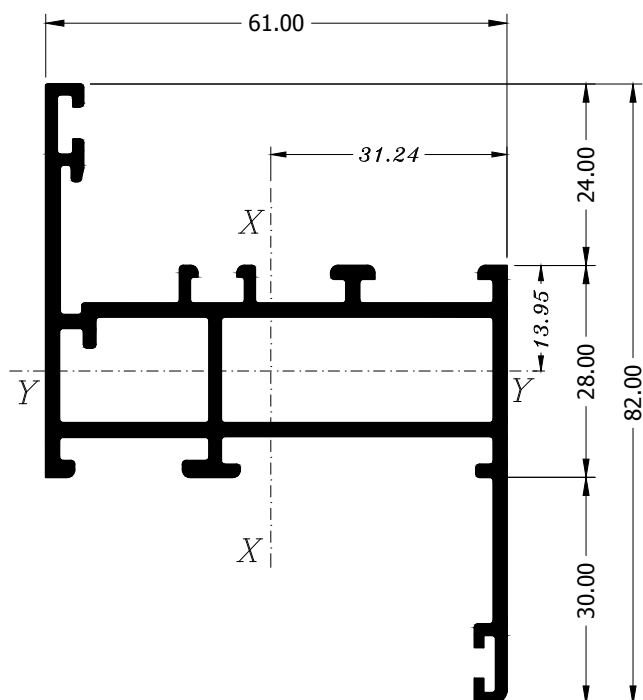
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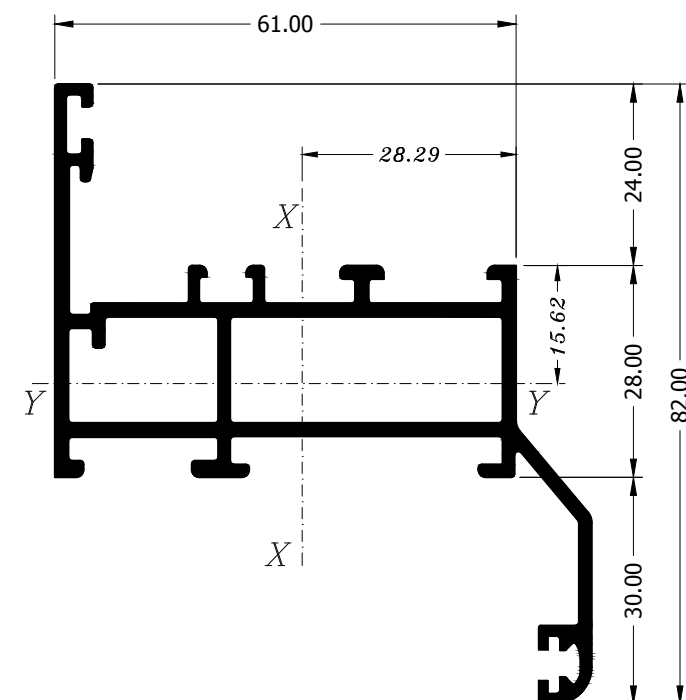
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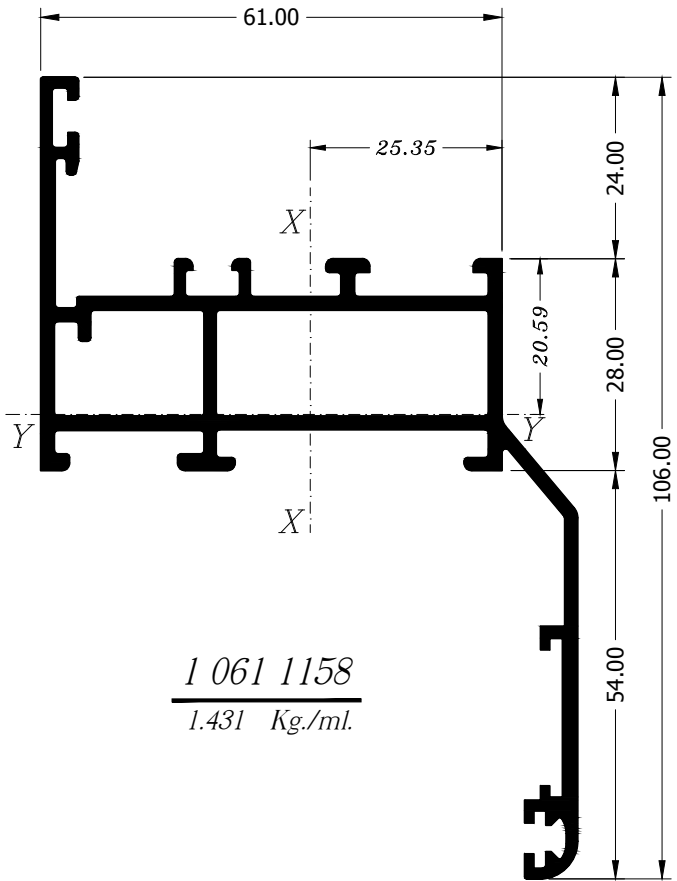
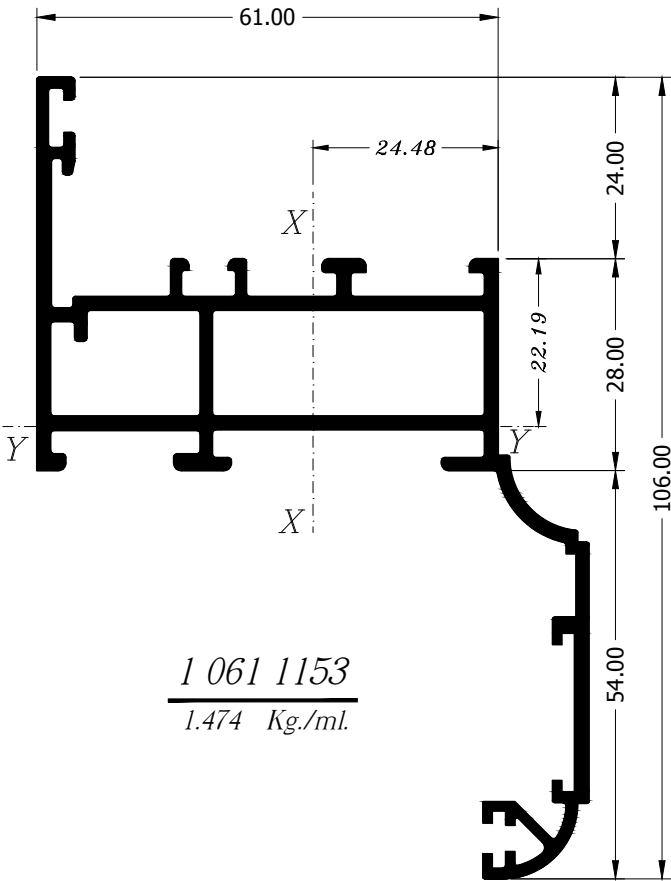
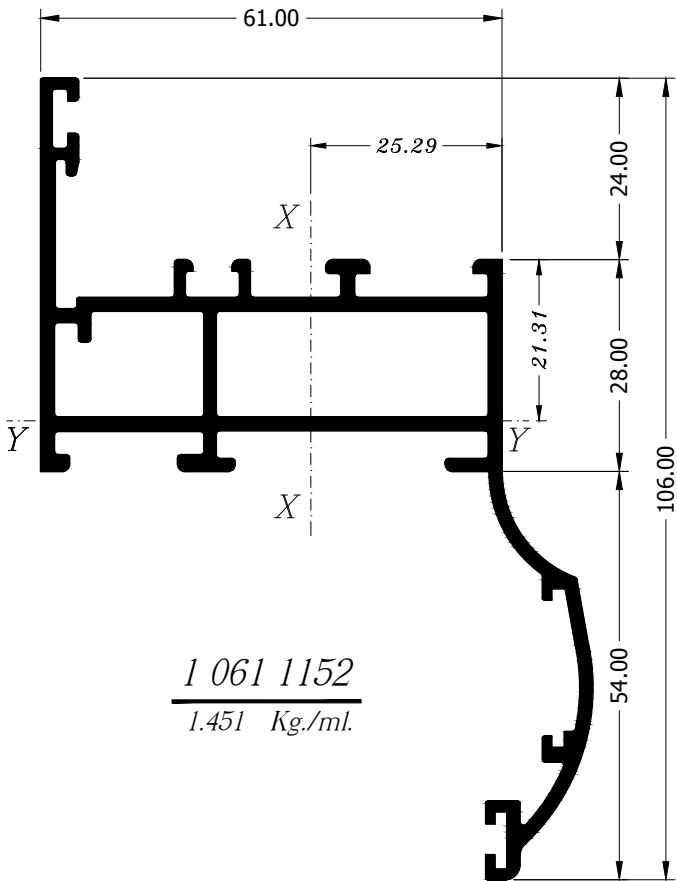
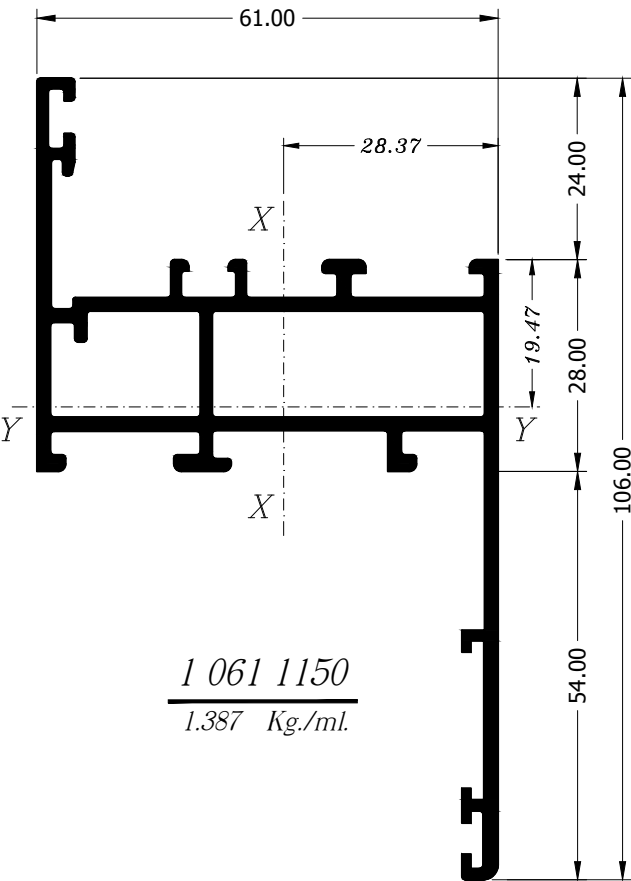
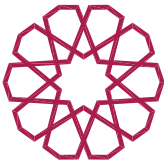
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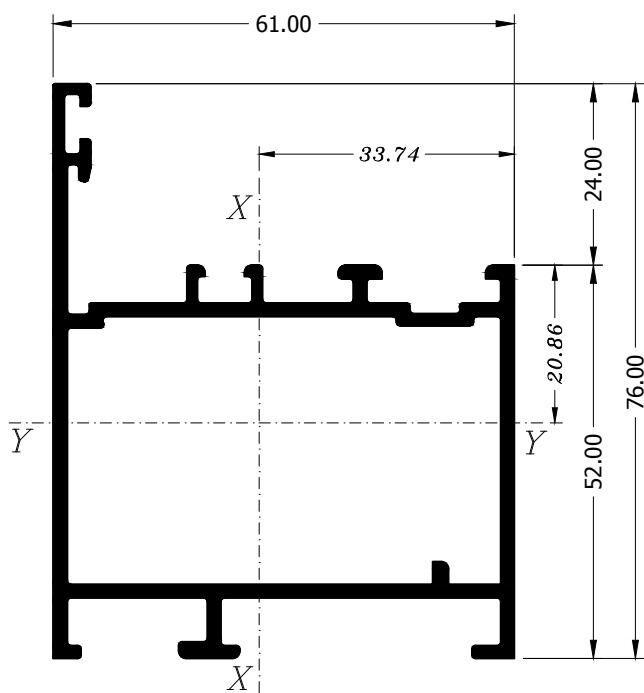
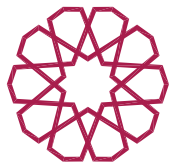


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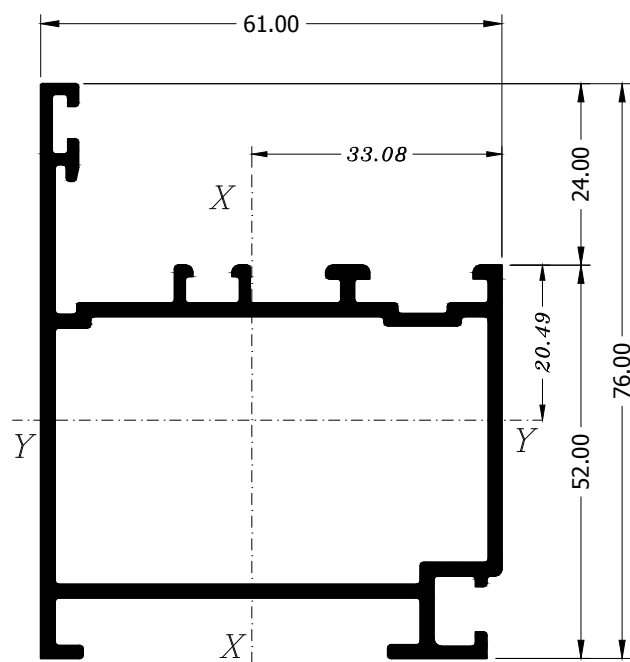


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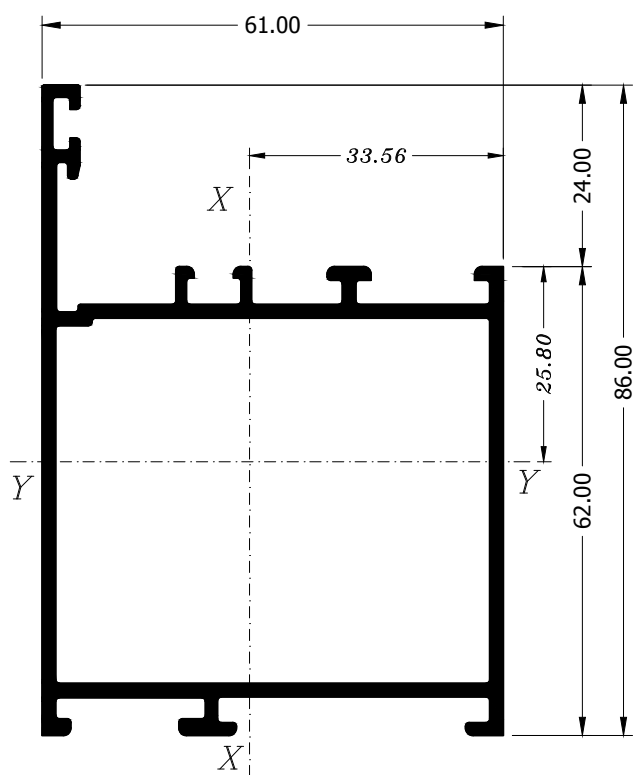




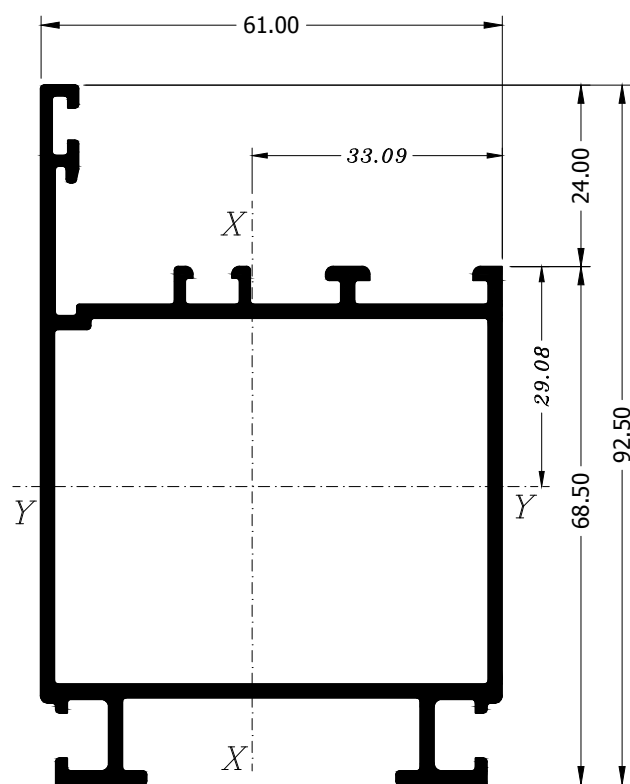
1 061 1200
1.291 Kg./ml.



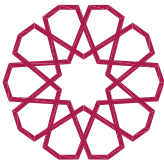
1 061 1210
1.270 Kg./ml.



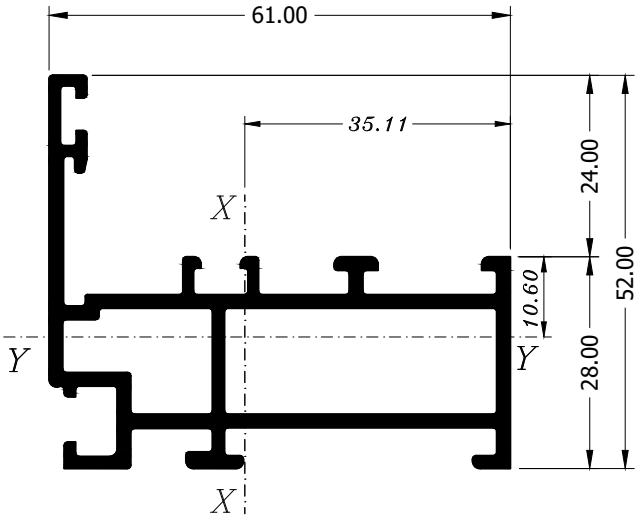
1 061 1300
1.342 Kg./ml.



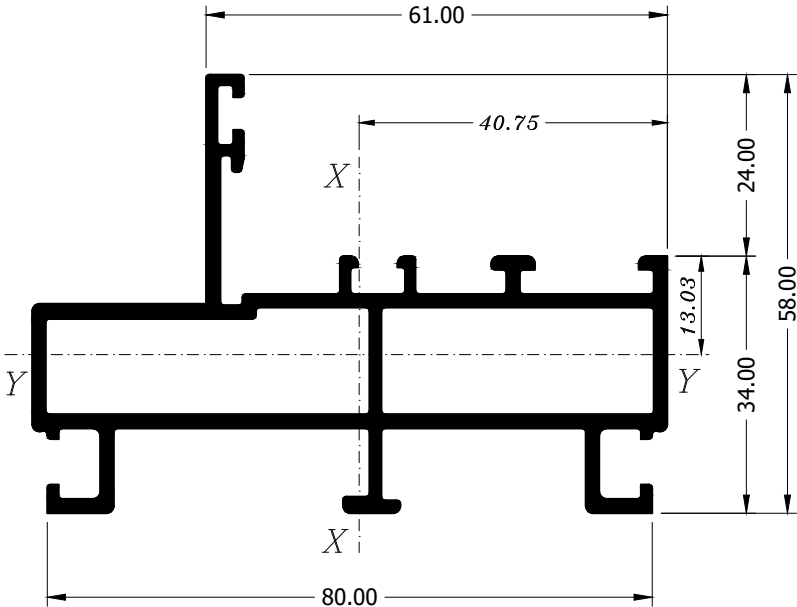
1 061 1320
1.459 Kg./ml.



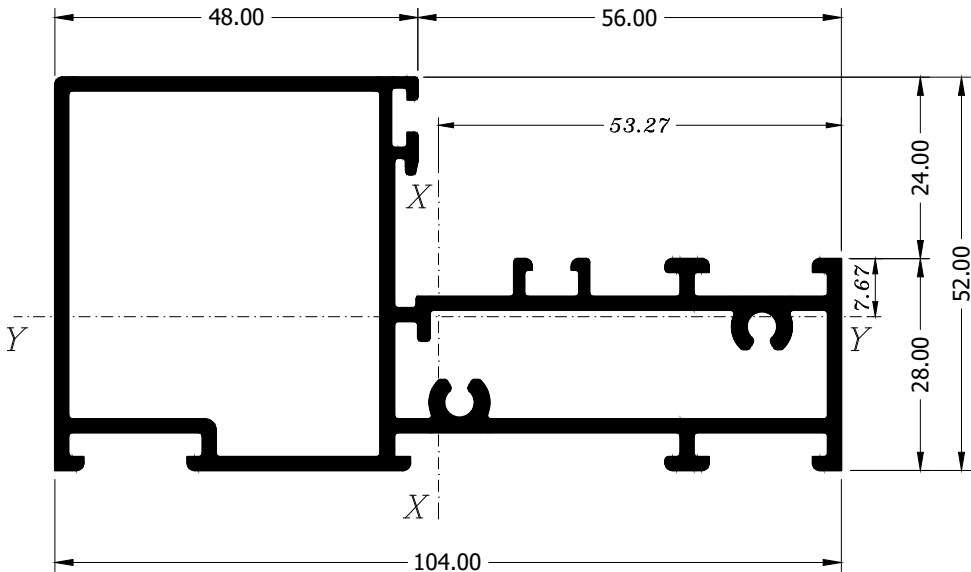
1 061 1810
 1.122 Kg./ml.

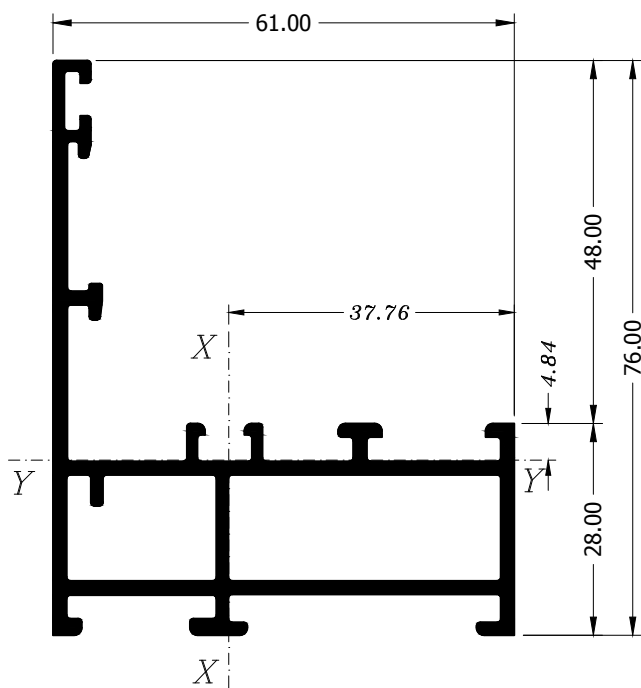
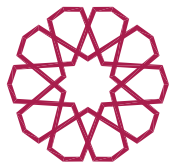


1 061 2082
 1.437 Kg./ml.

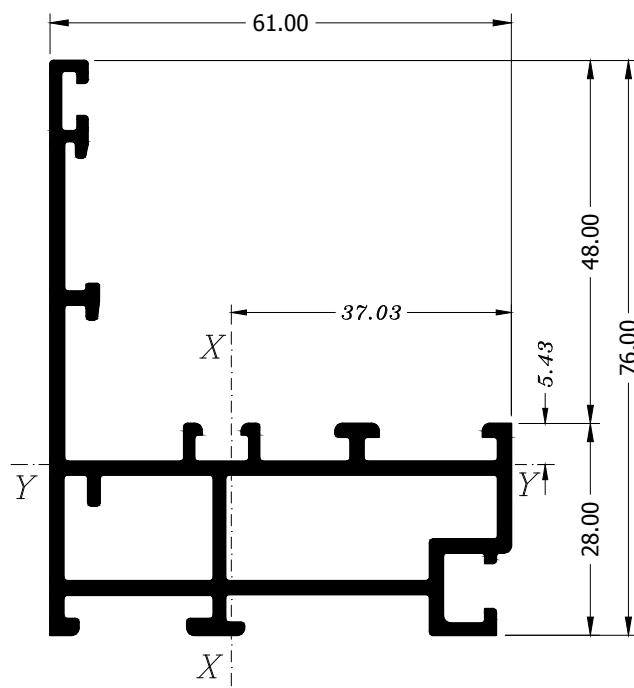


1 061 2103
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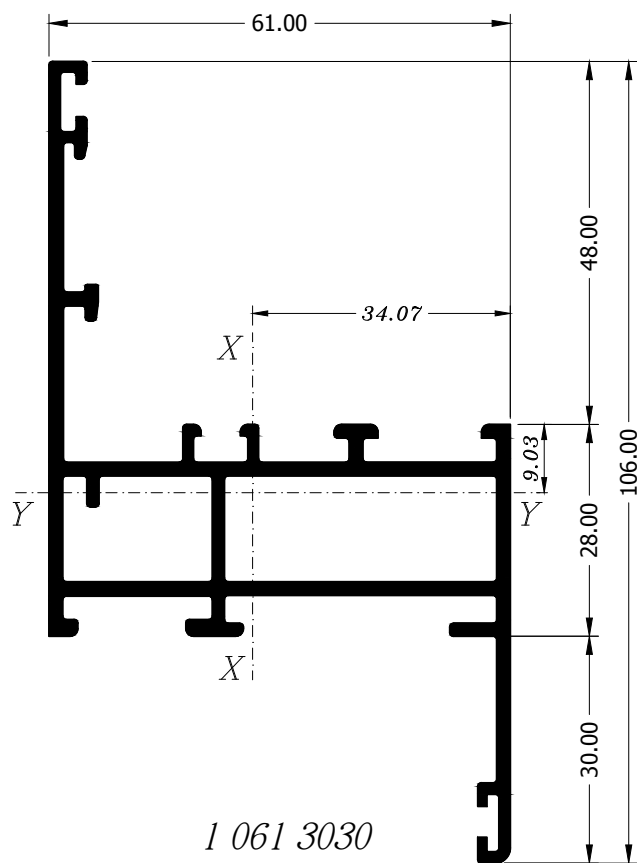




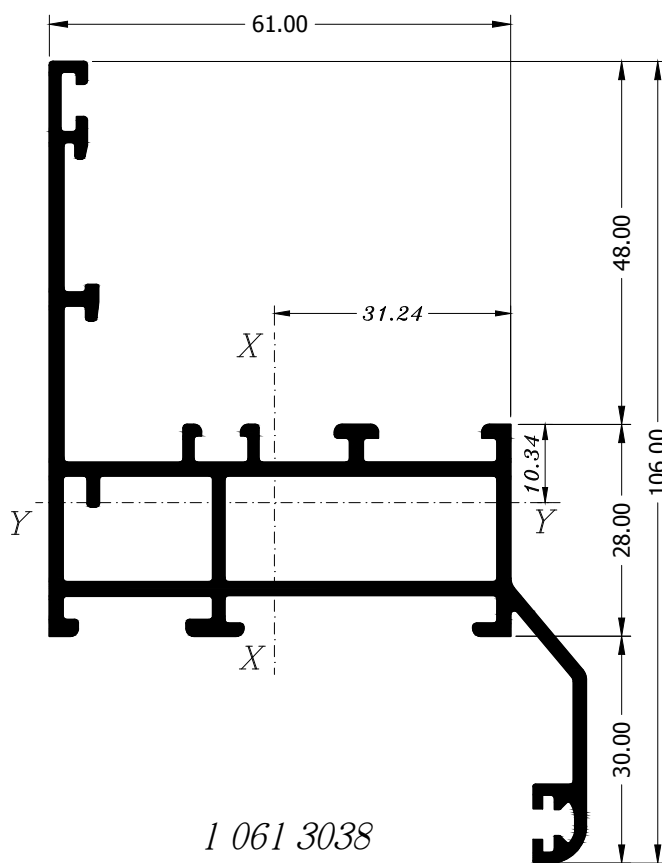
1 061 3000
1.248 Kg./ml.



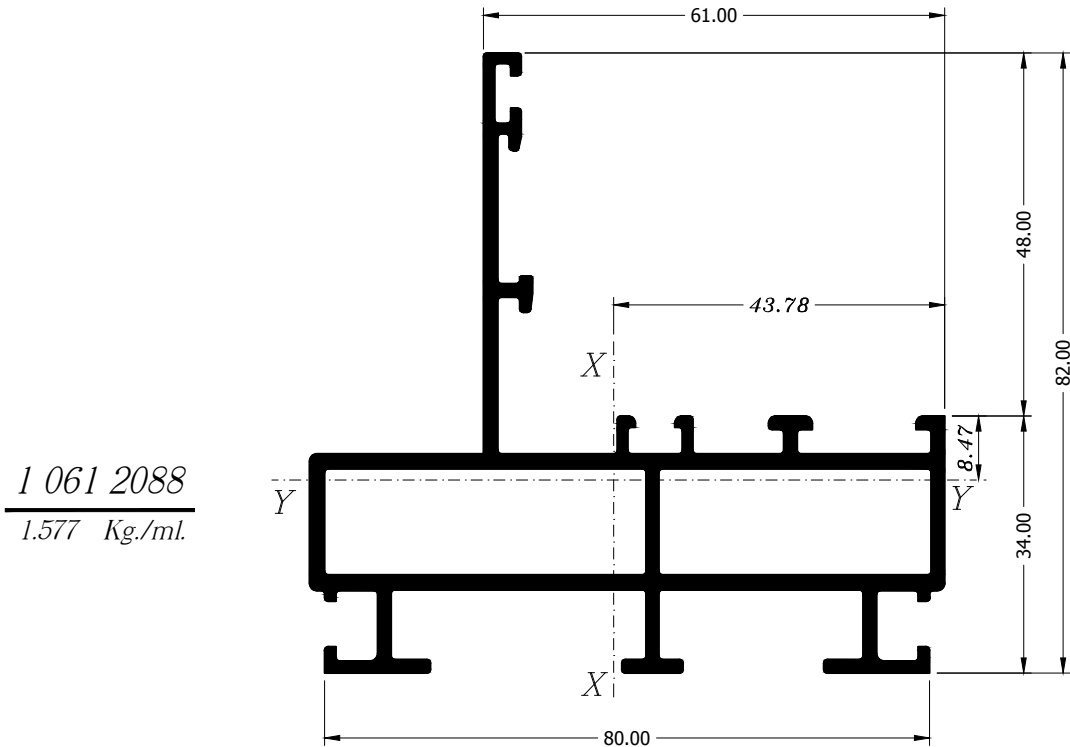
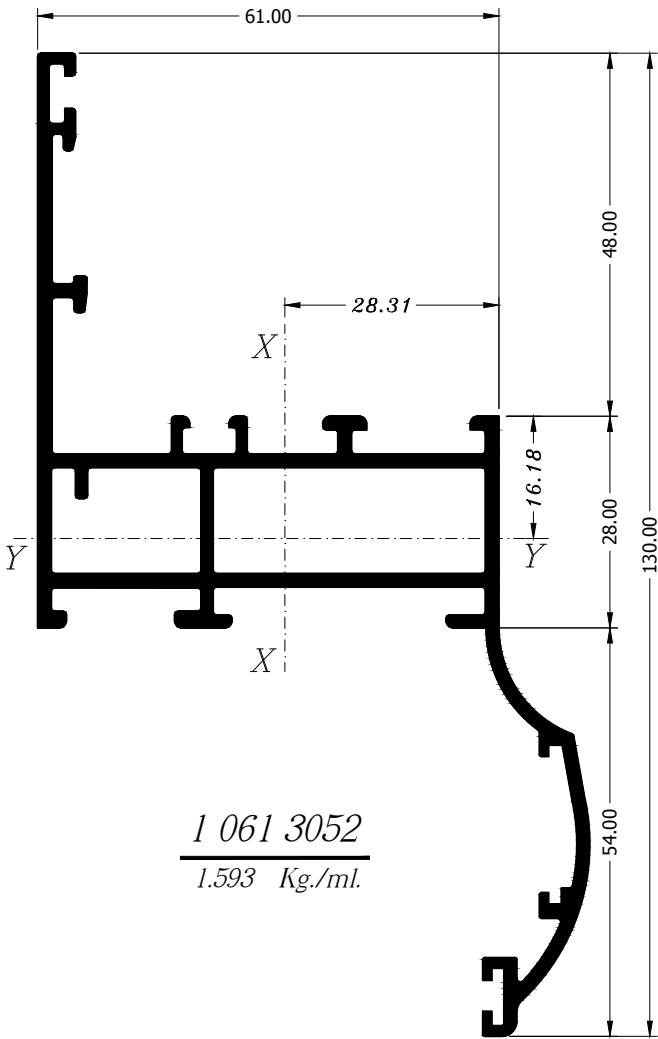
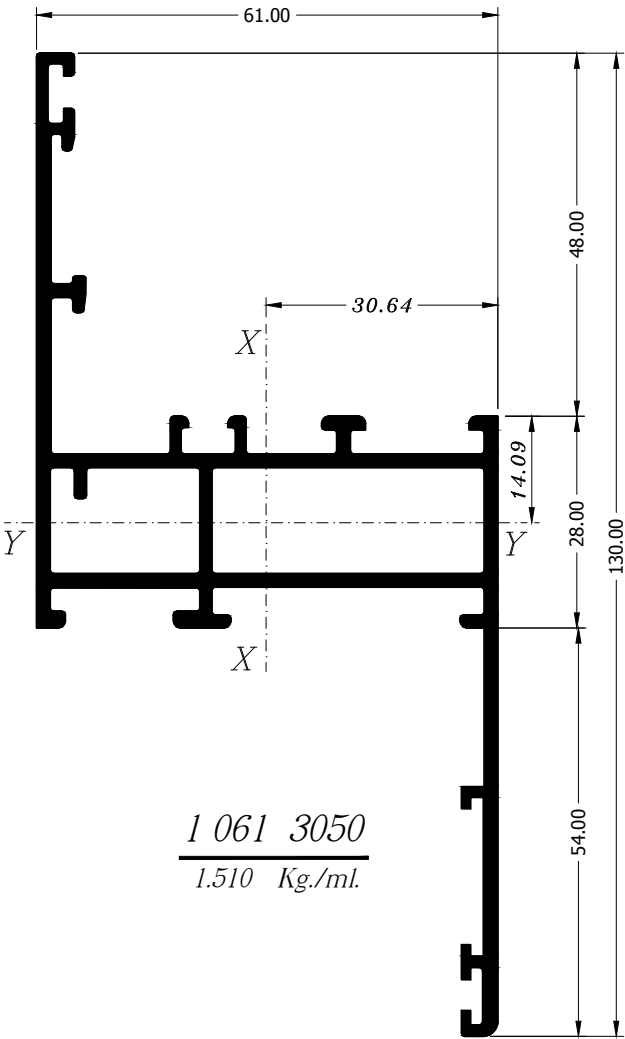
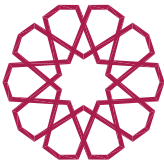
1 061 3010
1.290 Kg./ml.

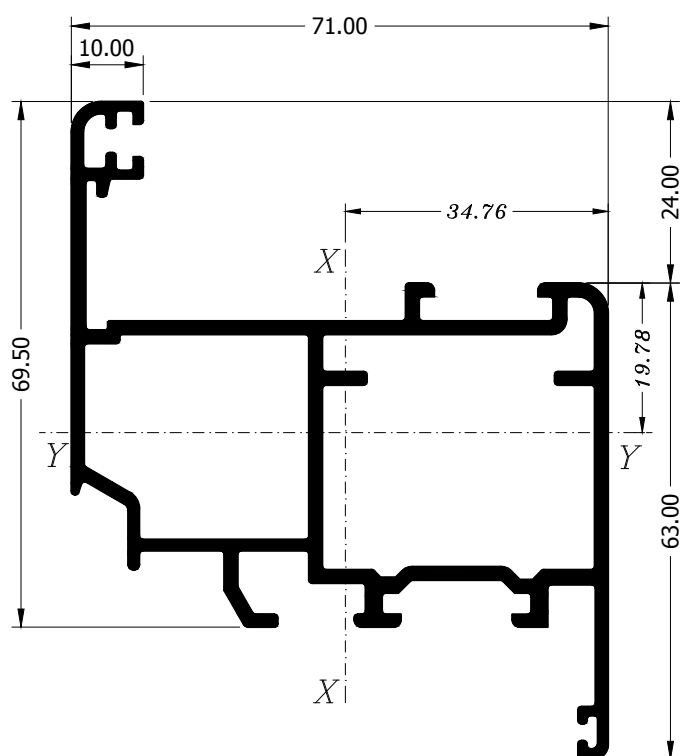
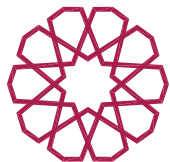


1 061 3030
1.403 Kg./ml.

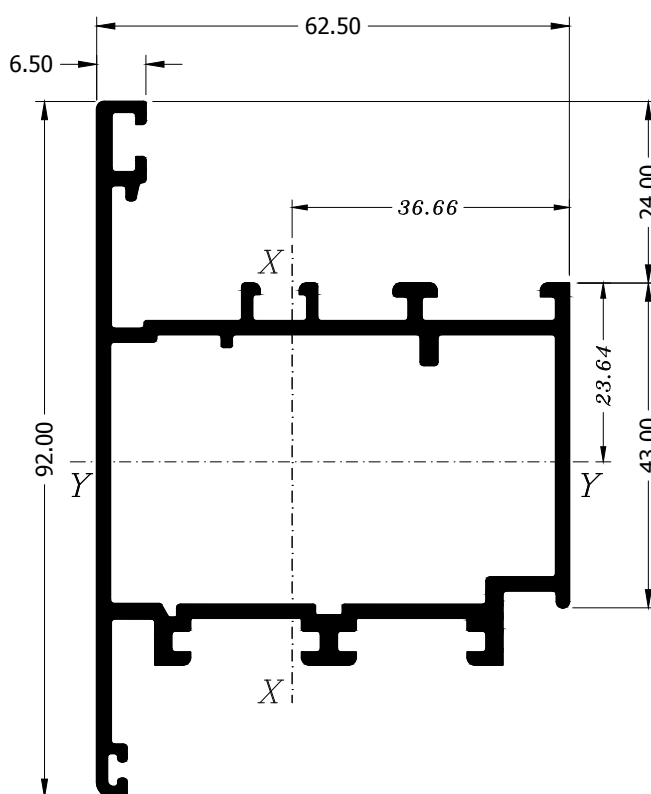


1 061 3038
1.458 Kg./ml.

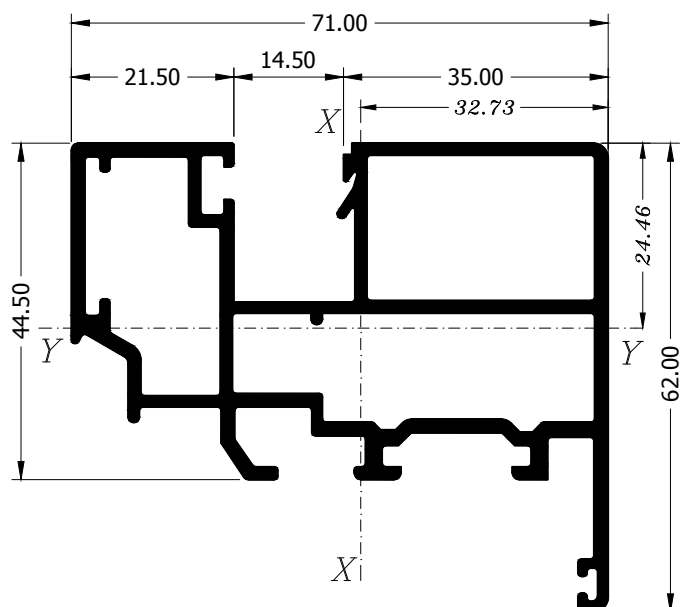




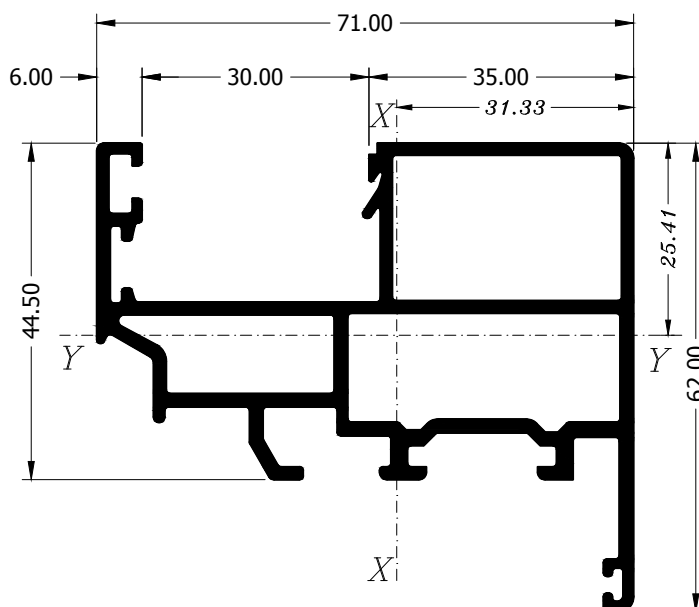
1 061 4122
1.585 Kg./ml.



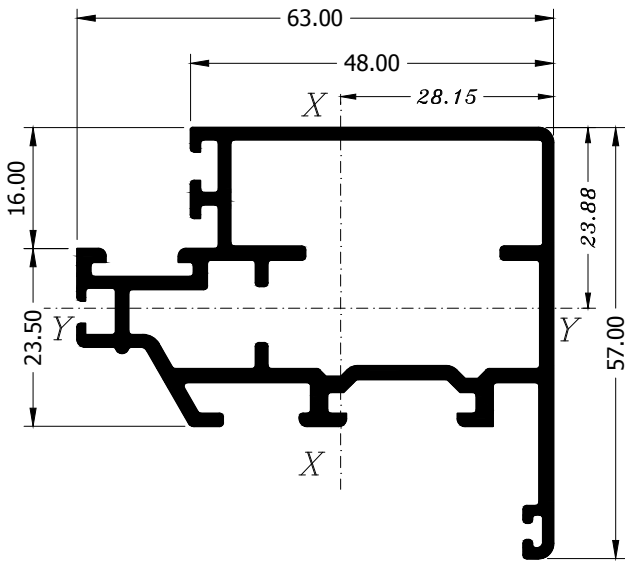
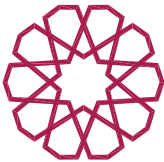
1 061 4220
1.454 Kg./ml.



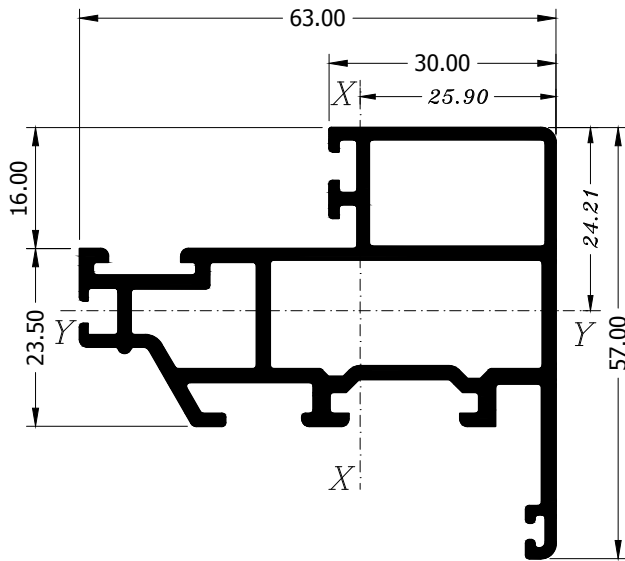
1 061 4140
1.549 Kg./ml.



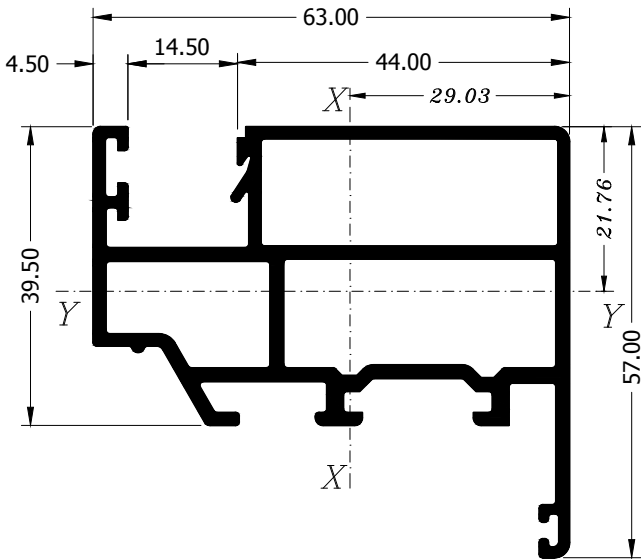
1 061 4150
1.474 Kg./ml.



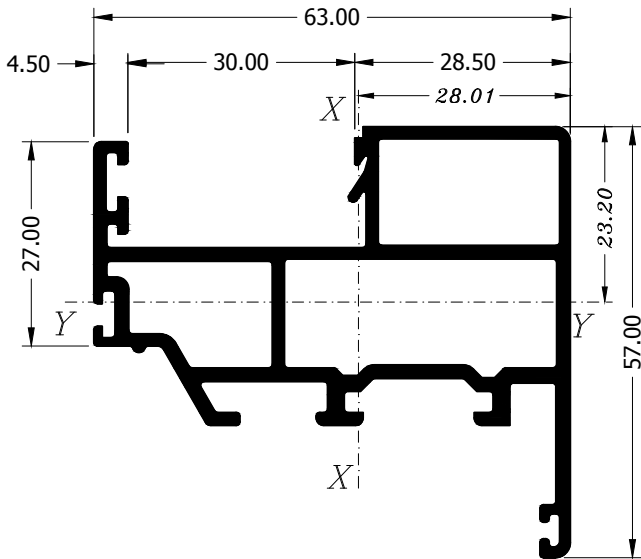
1 061 4410
 1.108 Kg./ml.



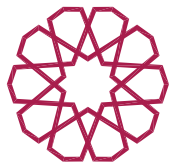
1 061 4430
 1.211 Kg./ml.



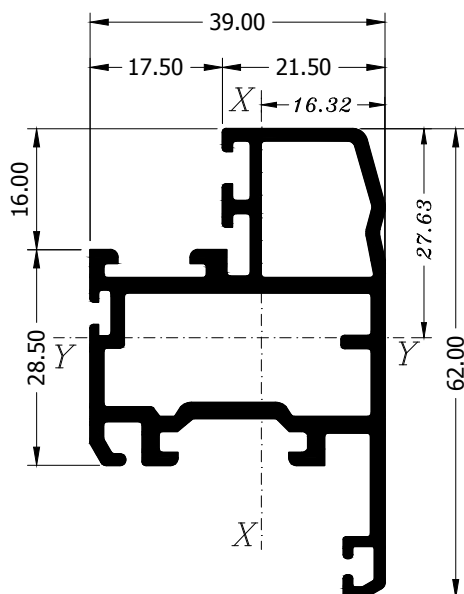
1 061 4460
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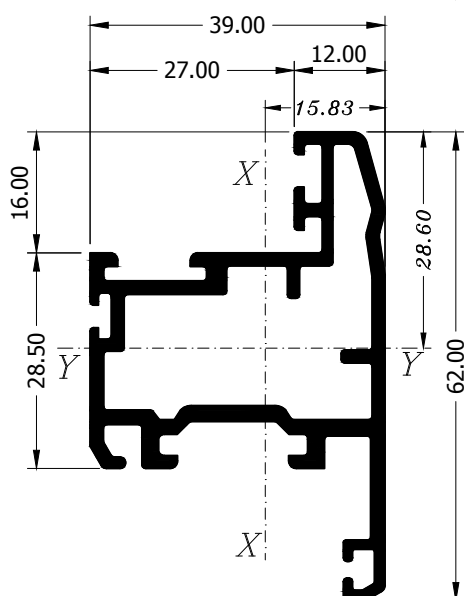
1 061 4480
 1.269 Kg./ml.



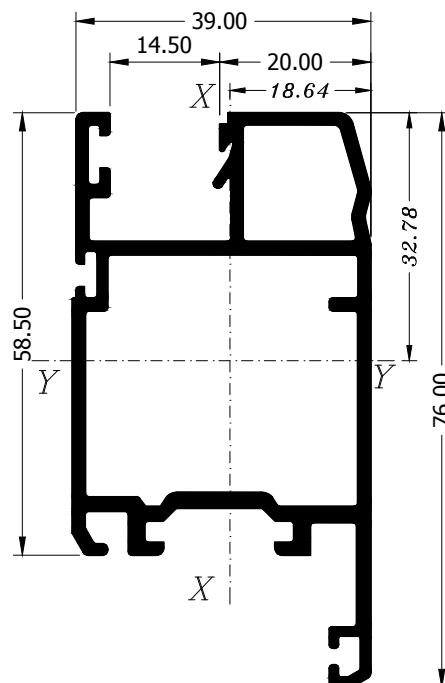
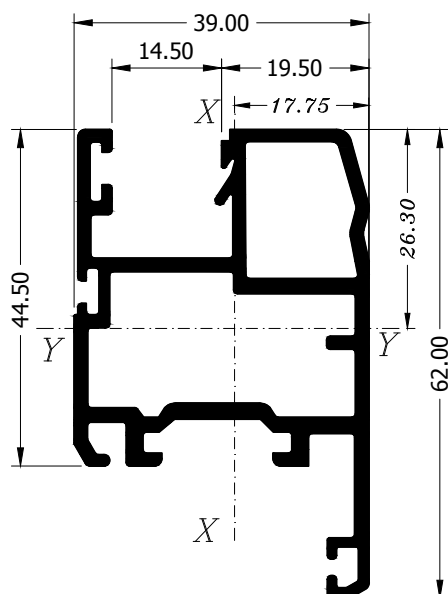
1 061 4517
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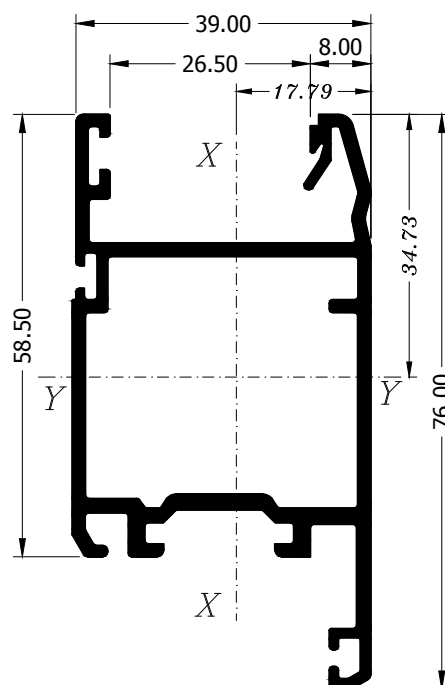
1 061 4527
0.952 Kg./ml.



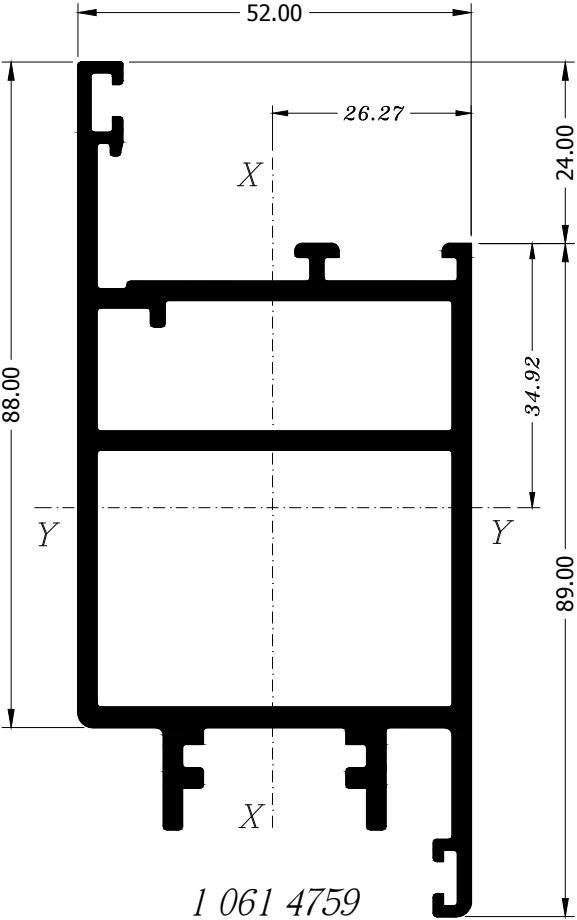
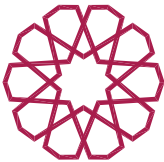
1 061 4567
1.049 Kg./ml.



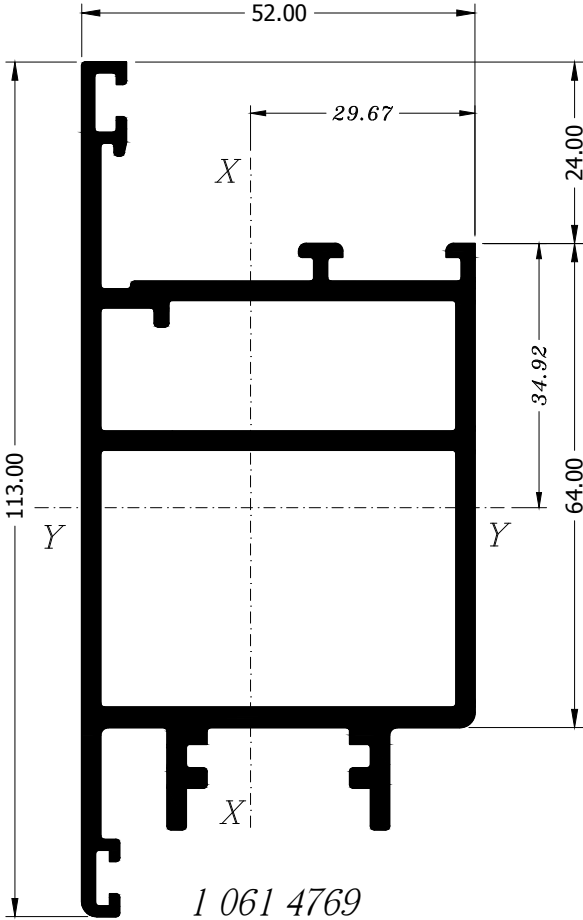
1 061 4587
1.154 Kg./ml.



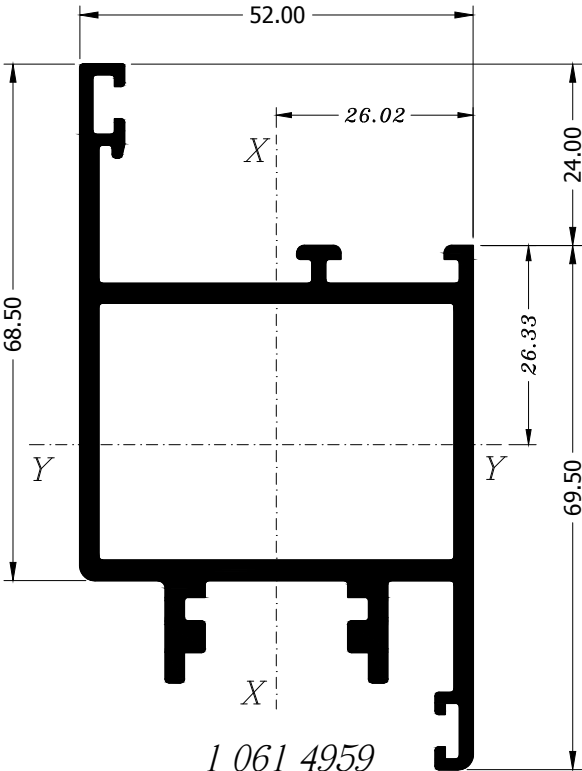
1 061 4597
1.071 Kg./ml.



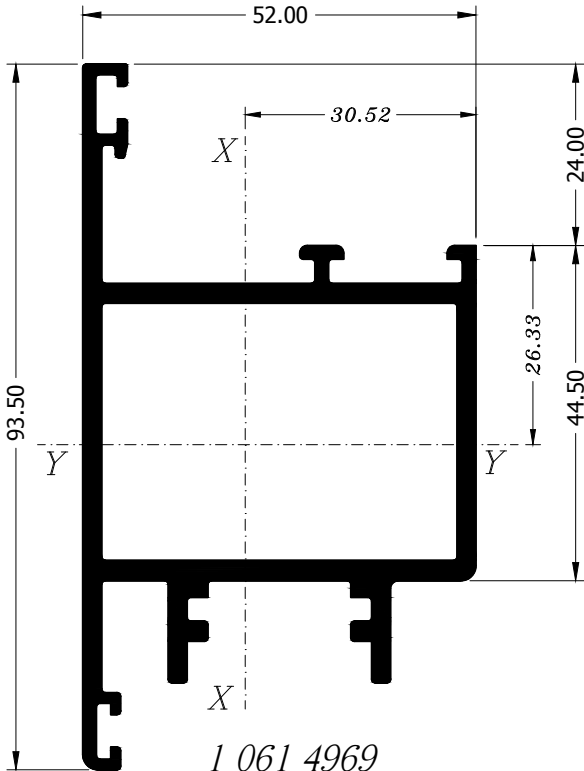
1 061 4759
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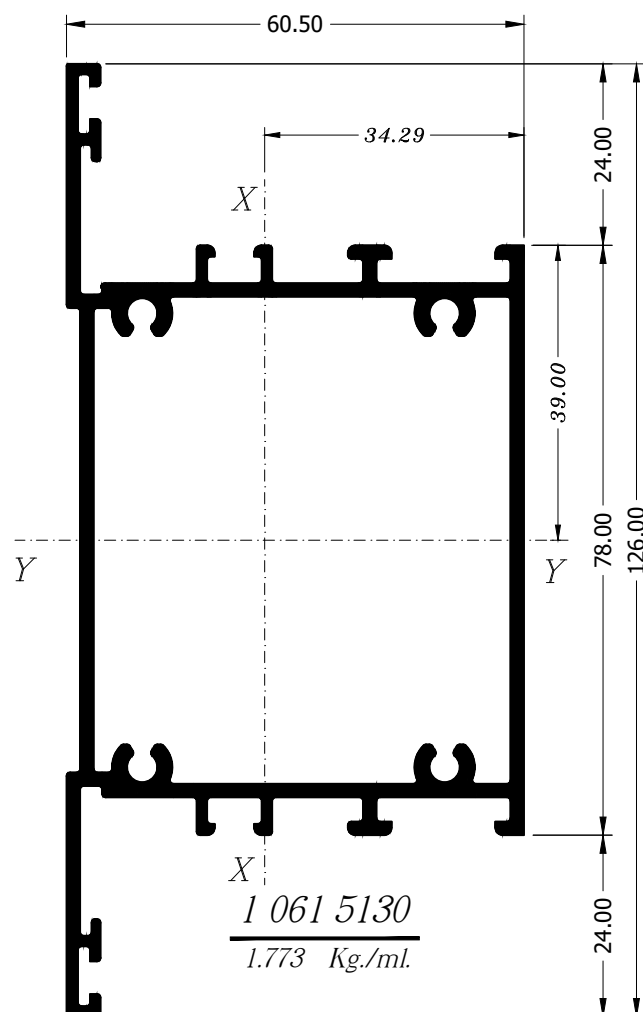
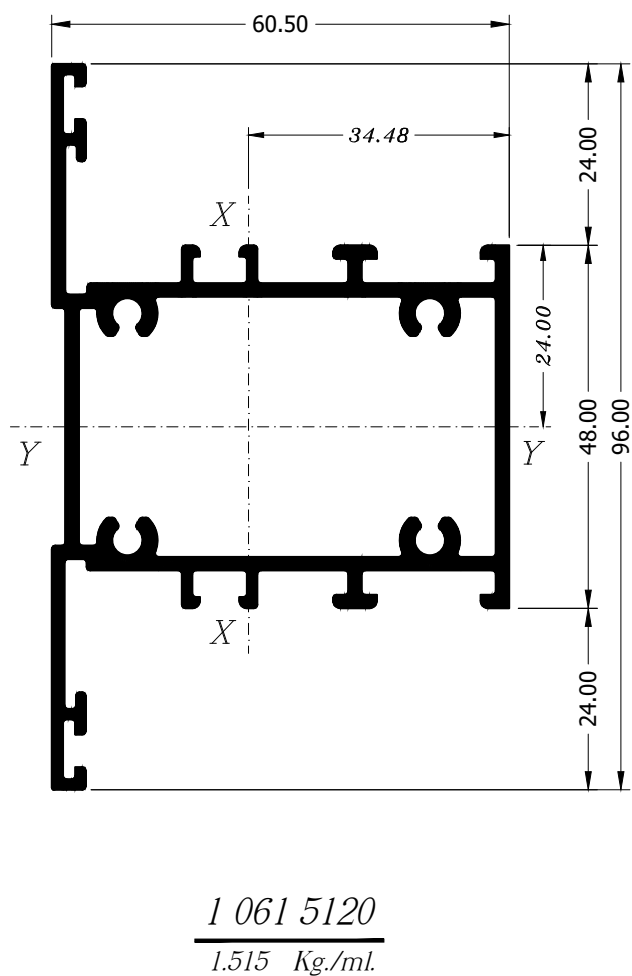
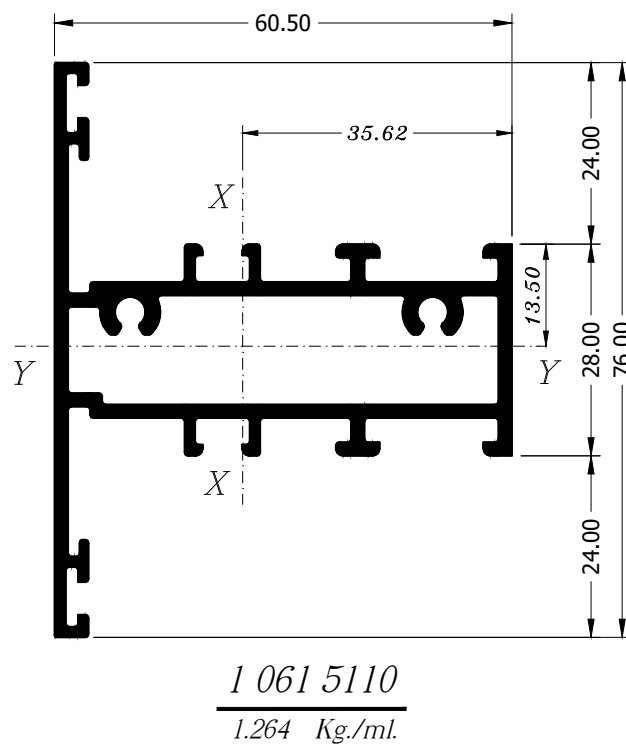
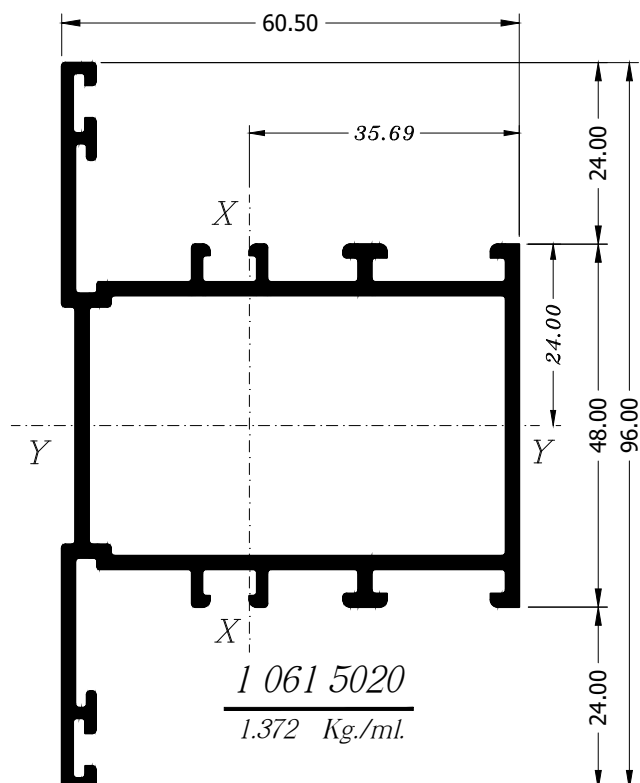
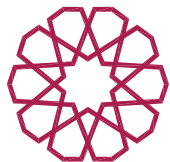
1 061 4769
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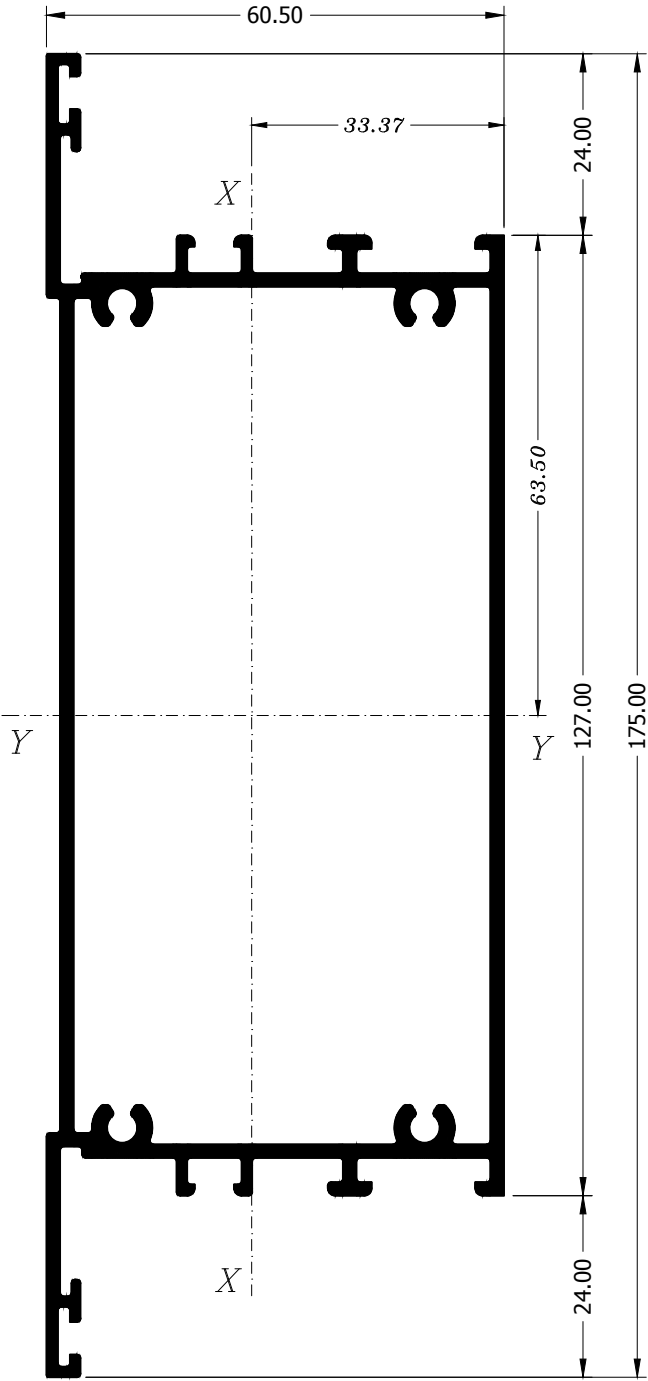
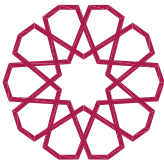


1 061 4959
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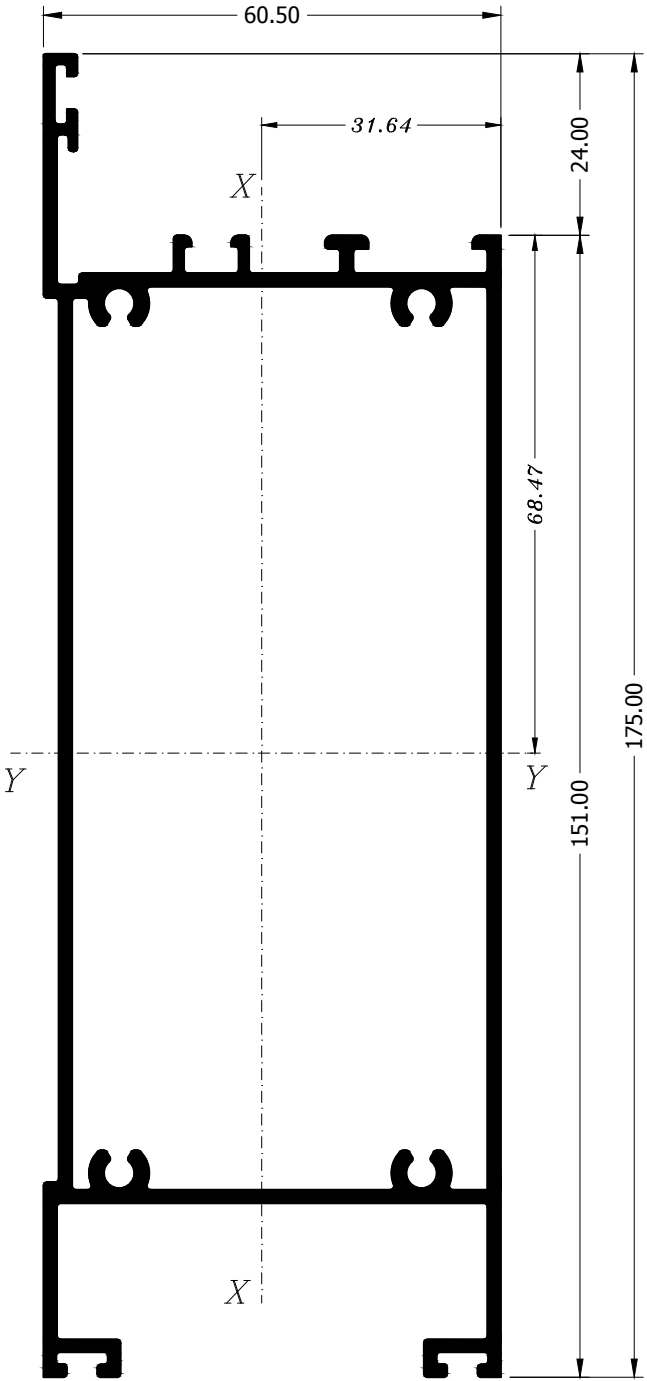


1 061 4969
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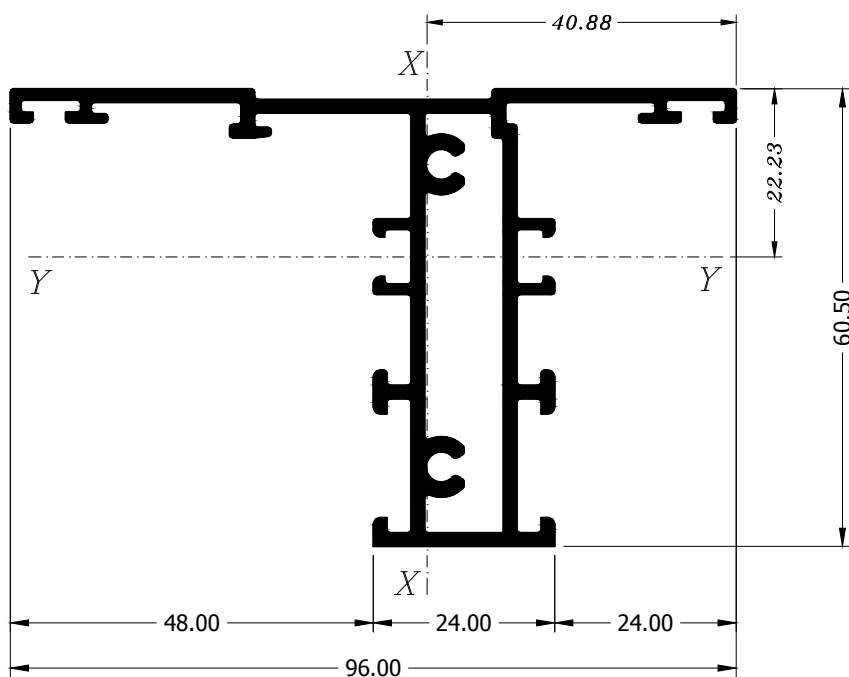
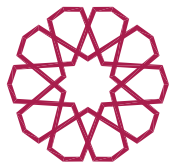




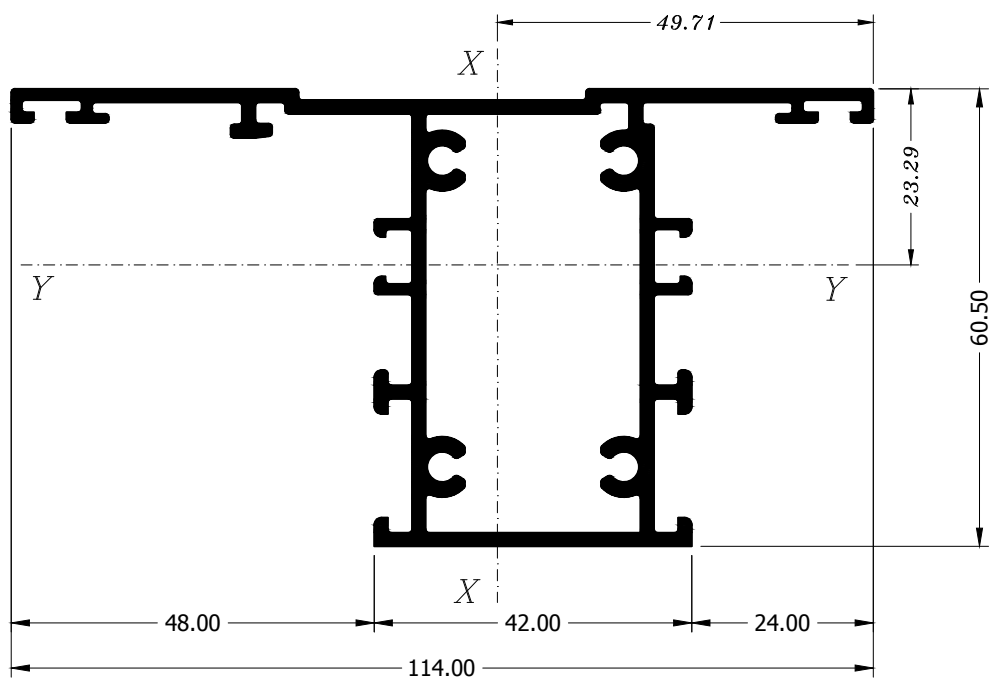
1 061 5140
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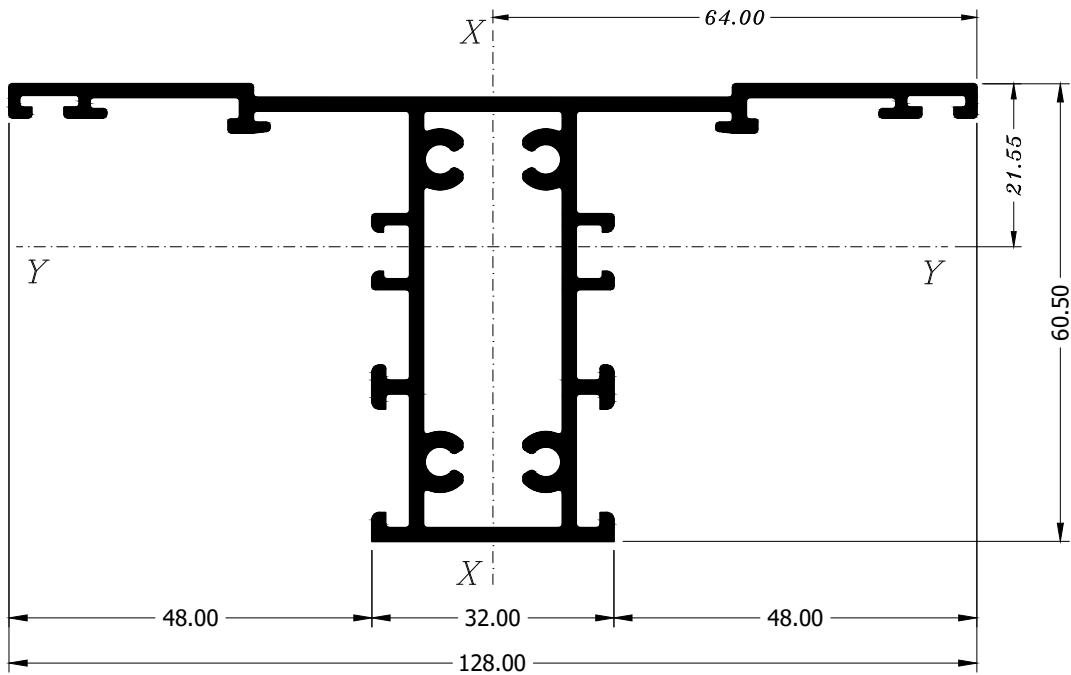
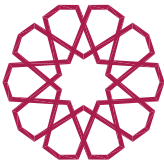
1 061 5340
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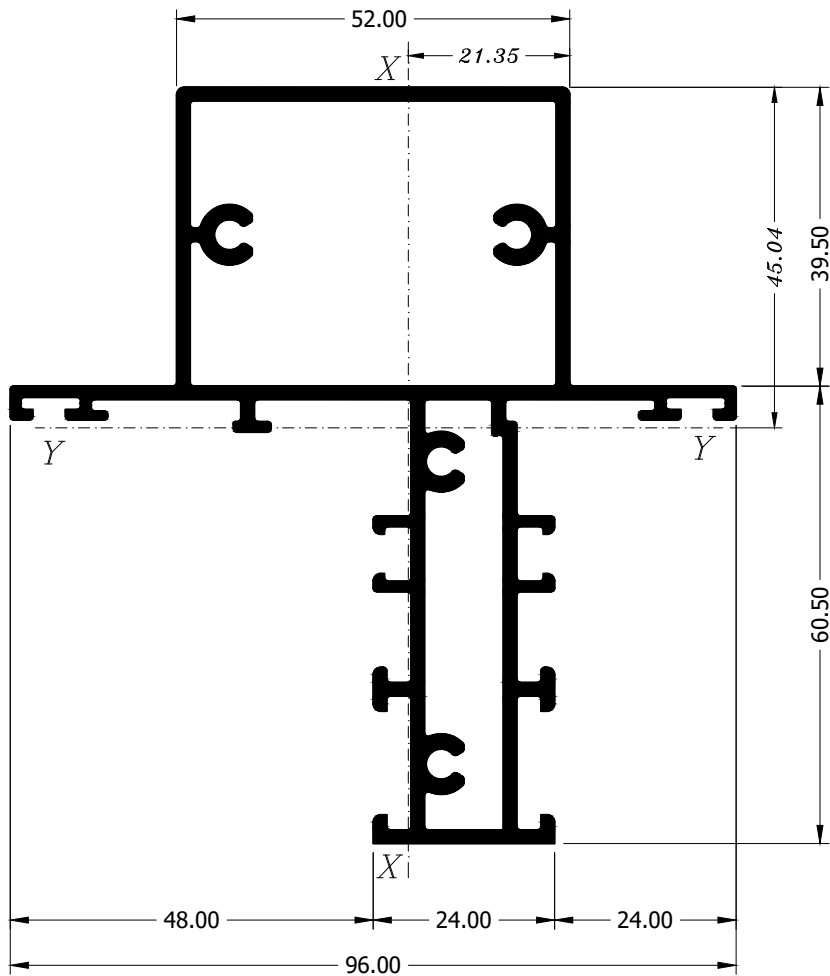
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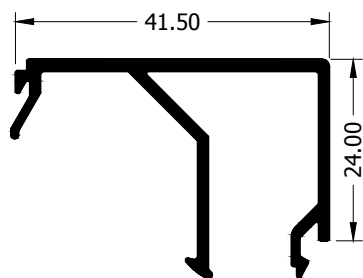
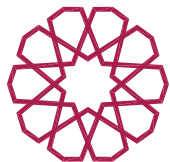
1 061 5720
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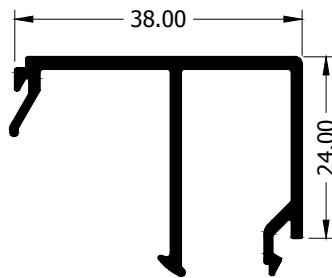
1 061 5760
 1.623 Kg./ml.



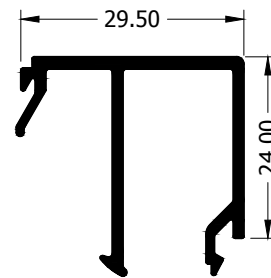
1 061 5910
 2.025 Kg./ml.



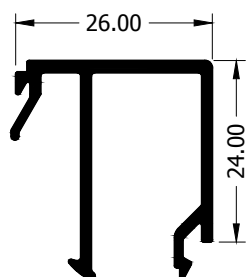
1 061 6140
0.402 Kg./ml.



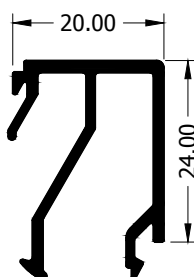
1 061 6160
0.370 Kg./ml.



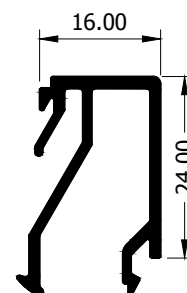
1 061 6170
0.337 Kg./ml.



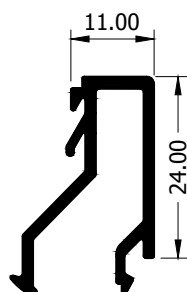
1 061 6180
0.324 Kg./ml.



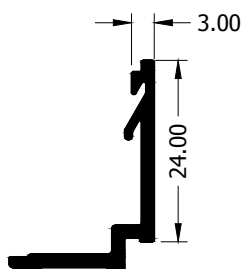
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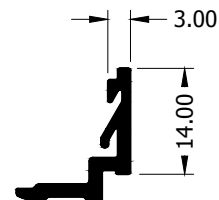
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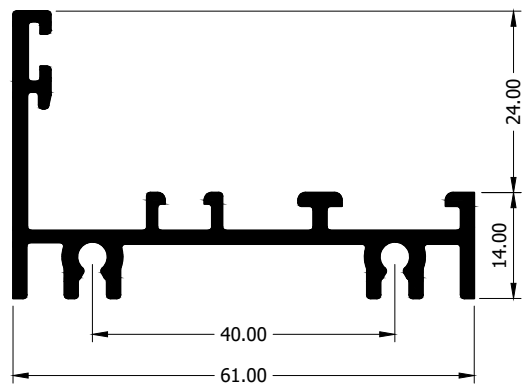
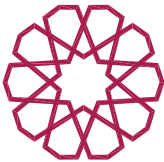
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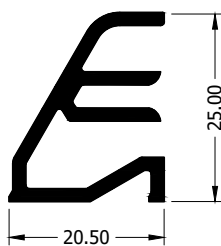
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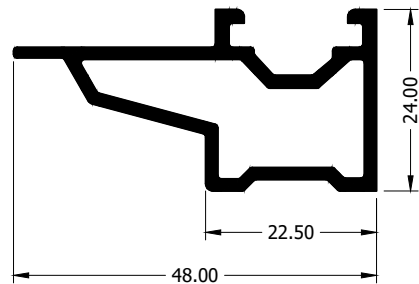
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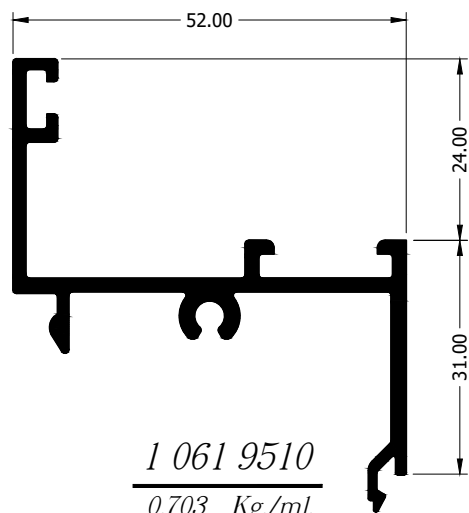
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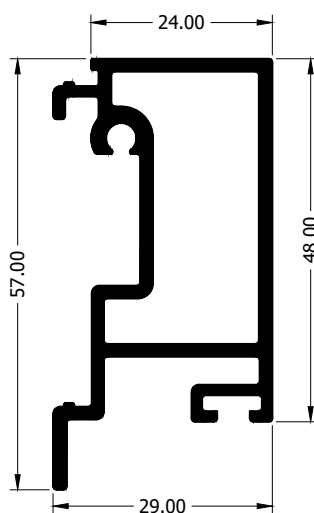
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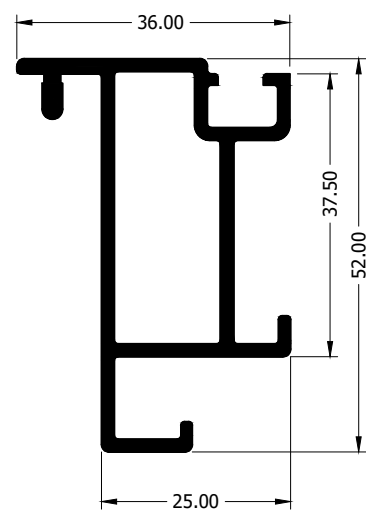
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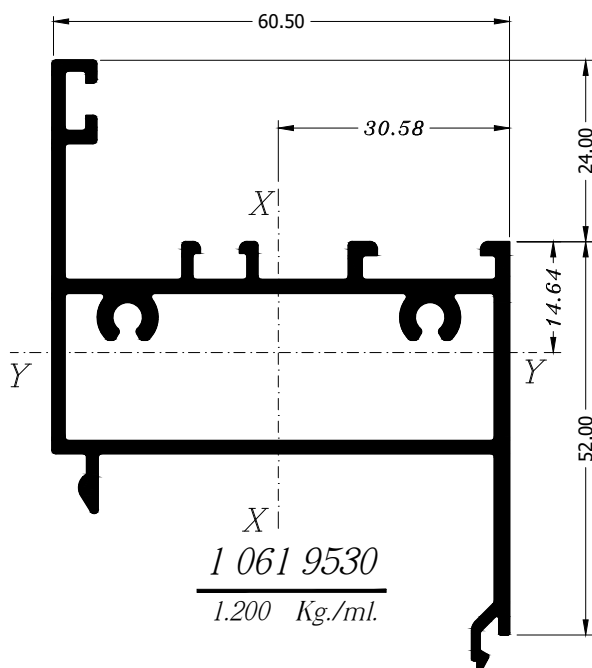
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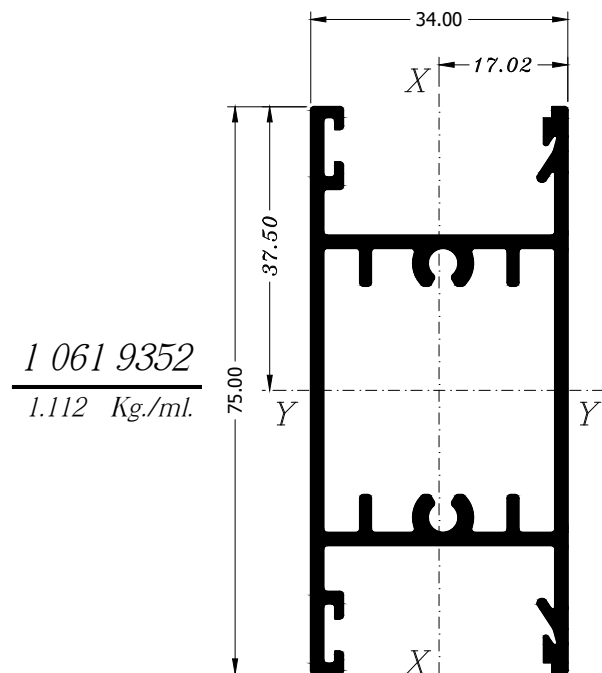
1 061 9211
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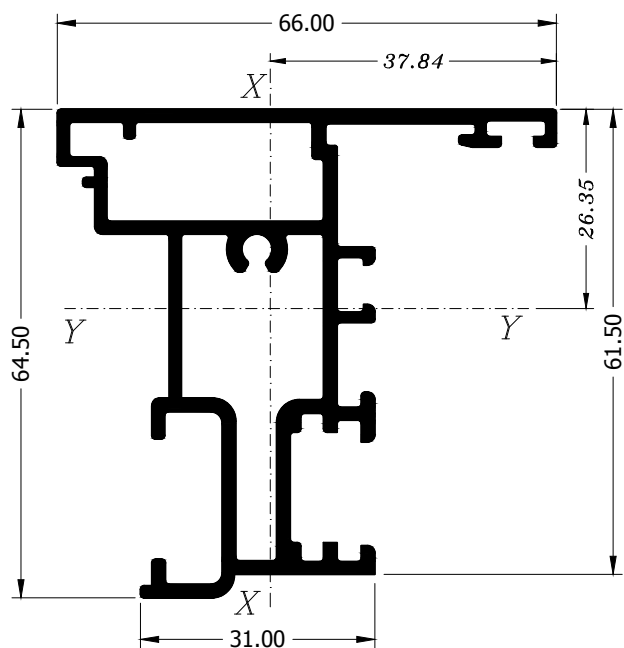
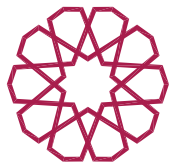
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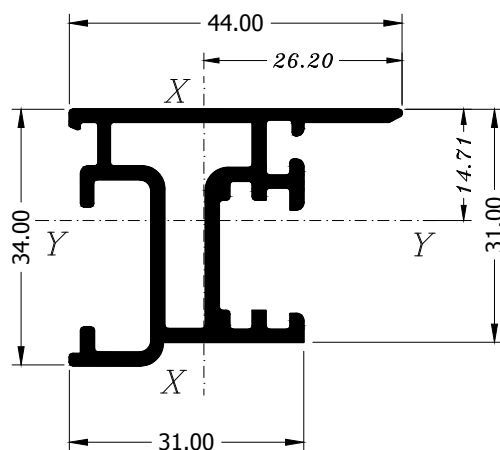
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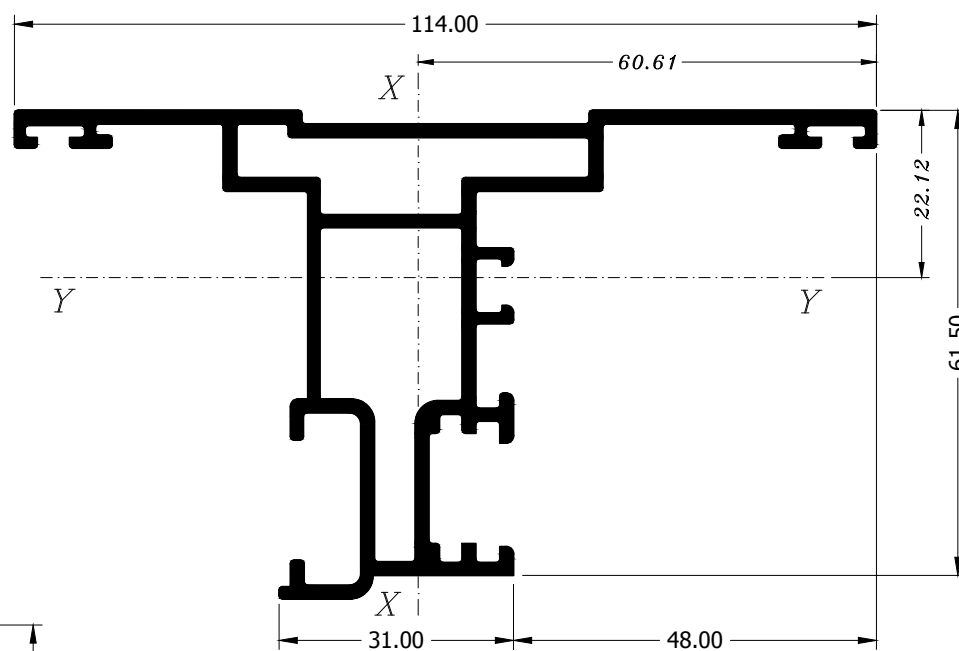
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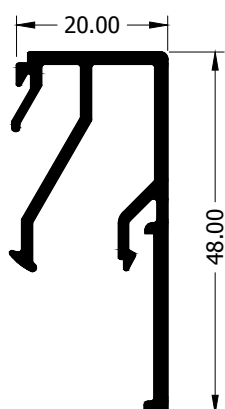
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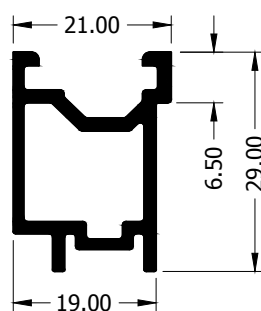
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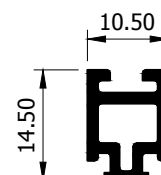
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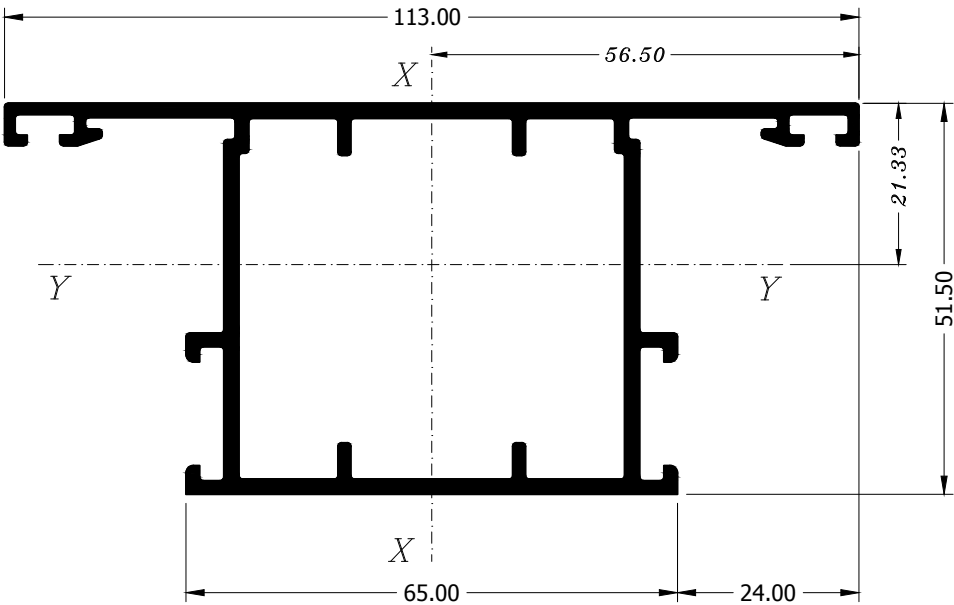
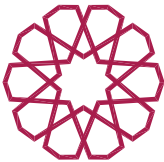
1 061 9810
0.439 Kg./ml.



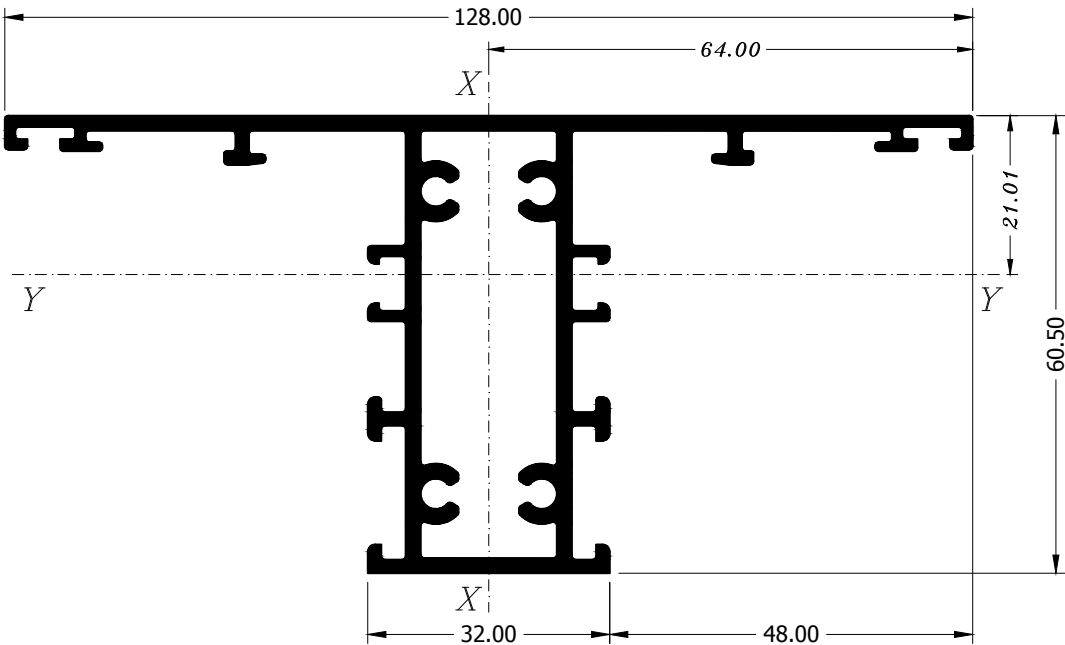
1 061 9820
0.399 Kg./ml.



1 061 9830
0.161 Kg./ml.



1 061 9702
 1.595 Kg./ml.



8 061 5760
 1.742 Kg./ml.

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