



**Machines & Aluminium Center**  
مركز ماكينات ومستلزمات الألومنيوم

# SAMBA 40

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.



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The profiles shown in this catalogue are patented.

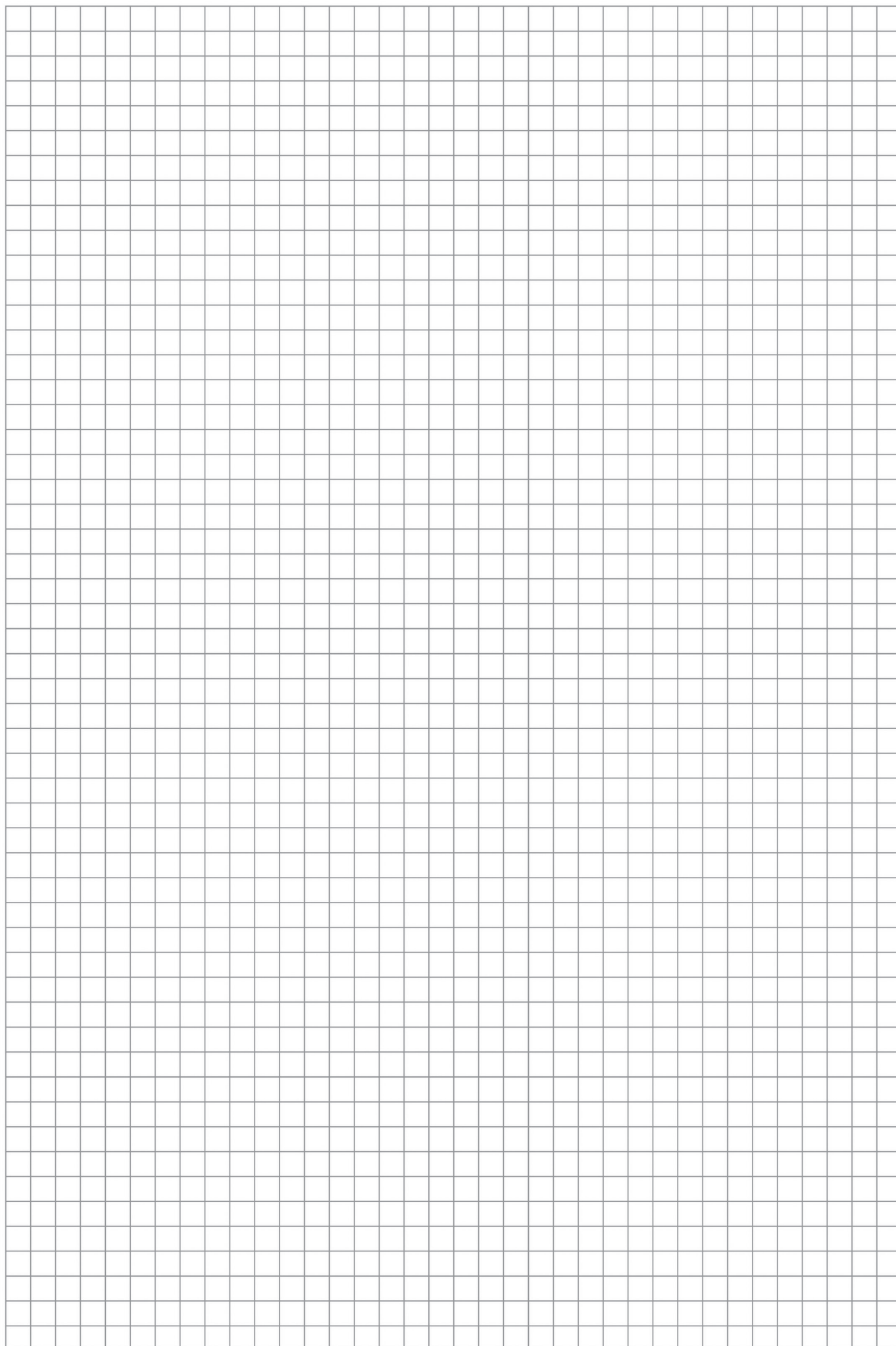
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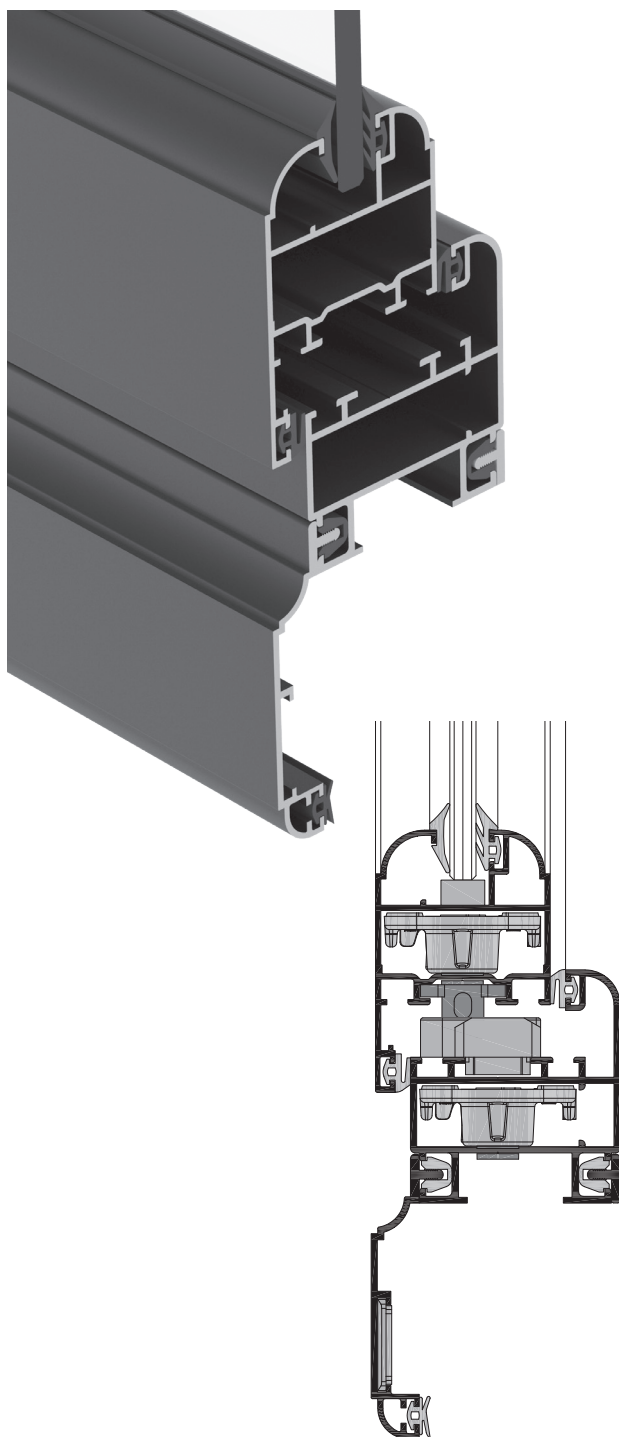
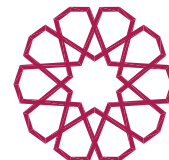
The manufacturer reserves the right to modify the items in this catalog without advanced notice.

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**Complies with European norm  
hEN 1435-1**

<b>Air Permeability</b>	(Class 4) up to 600 pa.
<b>Water Tightness</b>	(Class E1050) up to 1050 pa.
<b>Resistance to wind load</b>	(Class C4) up to 1600 pa.

- Allows the fabrication, production and easy assembly of windows and doors in less time.
- Offers an extensive range of profiles for the construction of elegant and moderately priced aluminium frames in functional style.
- The system is available in inward and outward opening windows and doors.
- Same profile can be used as frame or sash (optional).
- Ideal solution for small to medium openings for economic residential buildings.

## Technical Characteristics

### Frame Depth

40 mm. to 56 mm.

### Frame Height

47 mm. to 101 mm.

### Sash Depth

40 mm.

### Sash Height

67 mm. to 83 mm.

### Max Glass Thickness

Up to 18 mm.

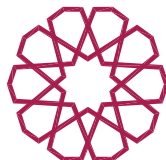
### Max Sash Weight

Up to 90 kg.

### Sealing Type

EPDM gasket





**EUROPEAN CERTIFYING ORGANIZATION S.P.A.  
NOTIFIED TESTING LABORATORY N. 0714  
FOR REGULATION (EU) No 305/2011  
CLASSIFICATION ASSESSMENT  
N. 0714-CPR-1311 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:	SAMBA 40 - Hinged System
	Width= 800 mm, Height = 1,200 mm, Thickness = 40 mm
Fabrication number:	-
Date of fabrication:	2016
<b>PRODUCED IN THE FACTORY</b>	
Name:	MACHINES & ALUMINIUM CENTER
Address:	122, MOHIY AL-DIN ABU AL-EZZ ST., DOKKI - GIZA - EGYPT
<b>PLACED ON THE MARKET BY</b>	
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 CP0025/6, dated February 09, 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**

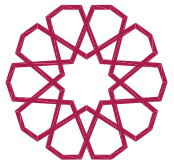
<b>AIR PERMEABILITY:</b>	<b>CLASS 4</b>
<b>WATERTIGHTNESS:</b>	<b>CLASS E1050</b>
<b>RESISTANCE TO WIND LOAD:</b>	<b>CLASS C4</b>

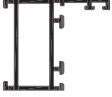
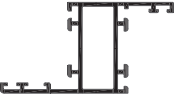







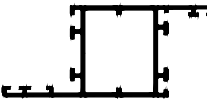

The results refer only to the specimen that has been provided by the Manufacturer and submitted to type-testing listed above.  
This classification assessment consists of 1 page and its reproduction is permitted in full only.

Faenza, February 12, 2016

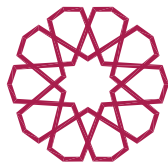



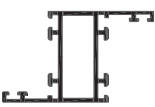
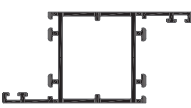
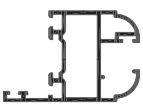
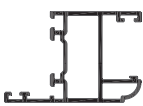

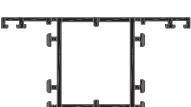

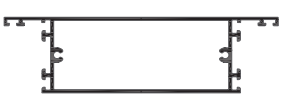



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48018 Faenza (RA) - ITALY  
Tel. +39 0546 624911 • Fax +39 0546 624922  
E-mail: info@eco-cert.it • www.ecocertificazioni.eu

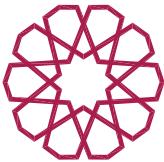


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	10401100	Frame Profile	0.667	254	5.57	3.40	10
	10401130	Frame Profile	0.875	369	7.88	9.42	10
	10401131	Frame Profile	0.918	369	10.62	9.56	10
	10401132	Frame Profile	0.937	381	10.44	11.45	10
	10401150	Frame Profile	0.834	408	18.89	7.87	11
	10401152	Frame Profile	1.055	442	12.75	25.48	11
	10401153	Frame Profile	1.034	457	12.29	24.96	11
	10401158	Frame Profile	1.016	437	11.69	23.49	11
	10401200	Frame Profile	0.813	287	7.59	9.17	12
	10401230	Frame Profile	1.026	402	9.86	19.18	12
	10401420	Frame Profile	0.953	373	9.83	7.33	12

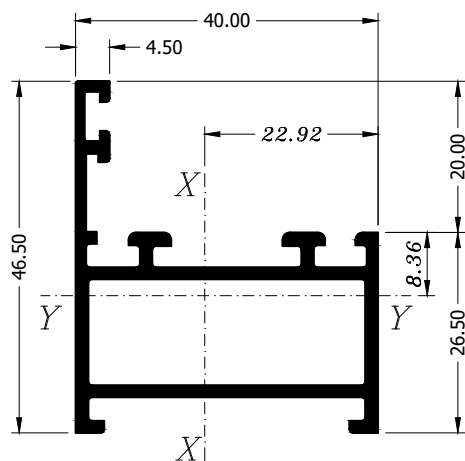
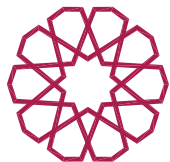




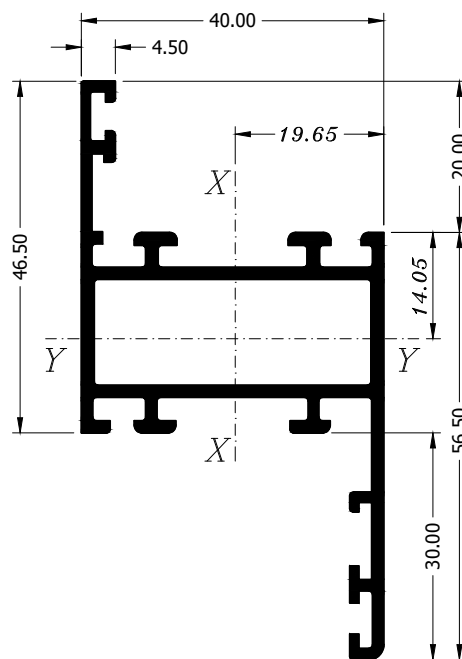
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	10404020	Leaf Profile	0.978	377	9.31	15.29	13
	10404143	Leaf Profile	0.813	340	6.46	7.09	13
	10404153	Leaf Profile	0.739	327	6.66	6.64	13
	10404210	Leaf Profile	0.832	344	7.34	6.75	14
	10404220	Leaf Profile	0.978	377	8.74	15.28	14
	10405120	Transom Profile	1.030	377	8.55	15.83	14
	10405130	Transom Profile	1.493	501	15.19	101.08	15
	10405330	Bottom rail	1.647	540	17.46	121.74	15
	10406170	Glass Beading Profile	0.230	153	0.62	0.55	15
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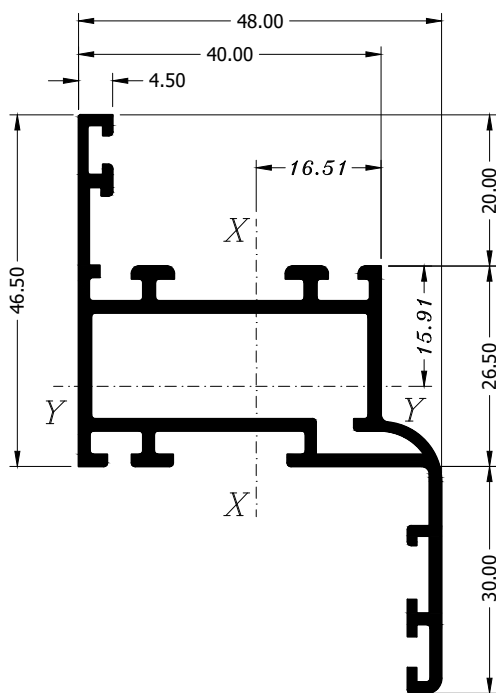
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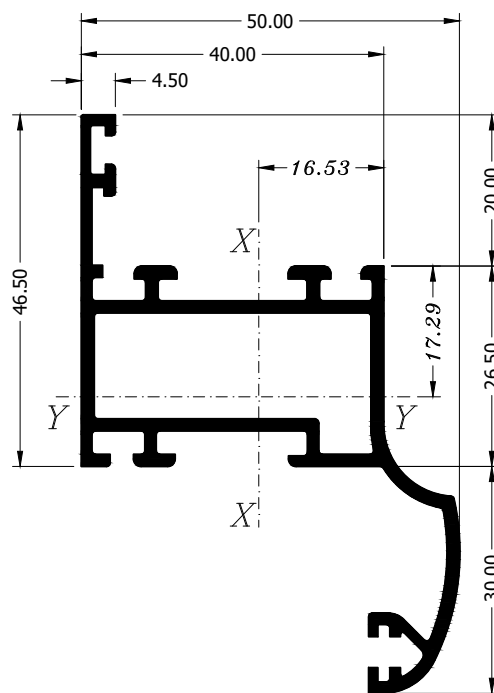
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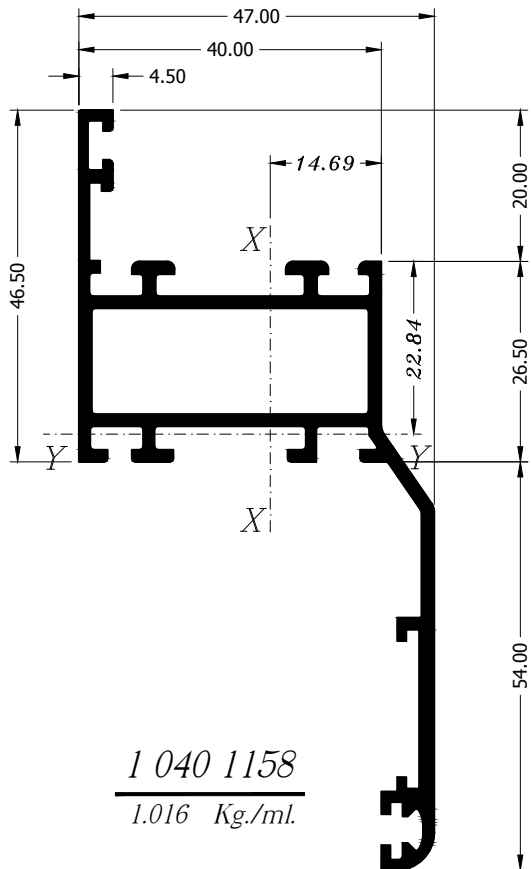
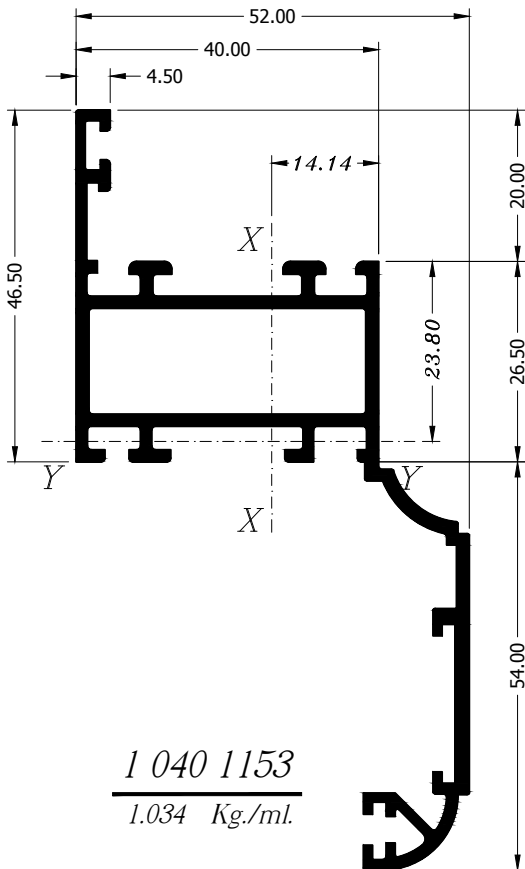
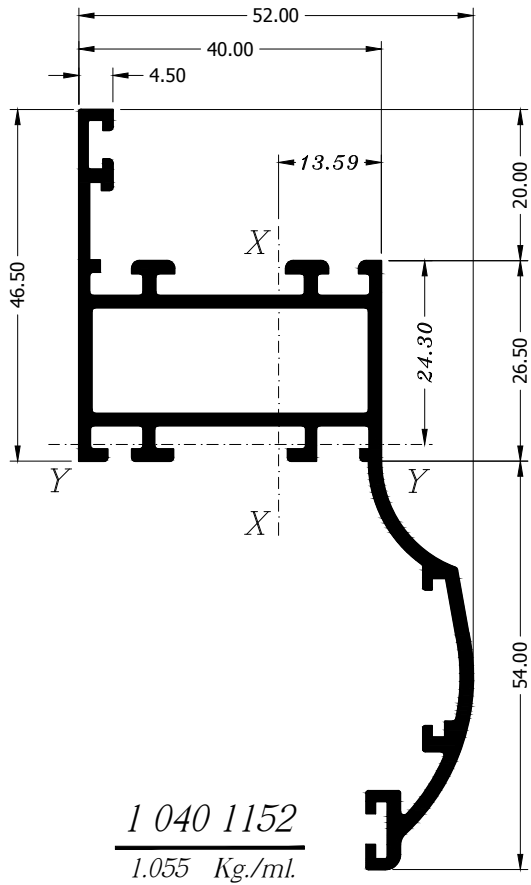
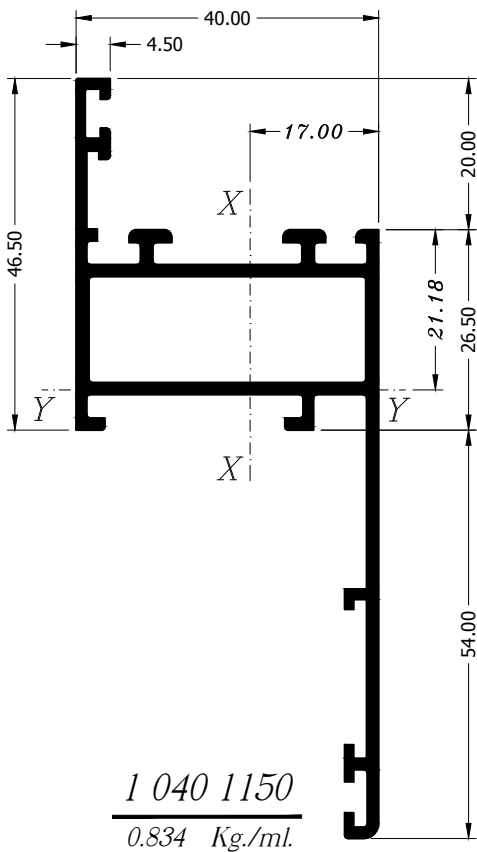
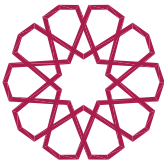
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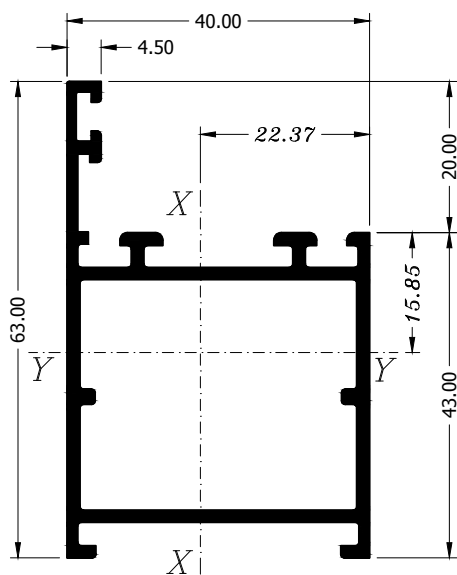
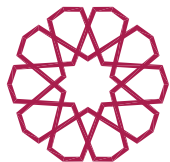


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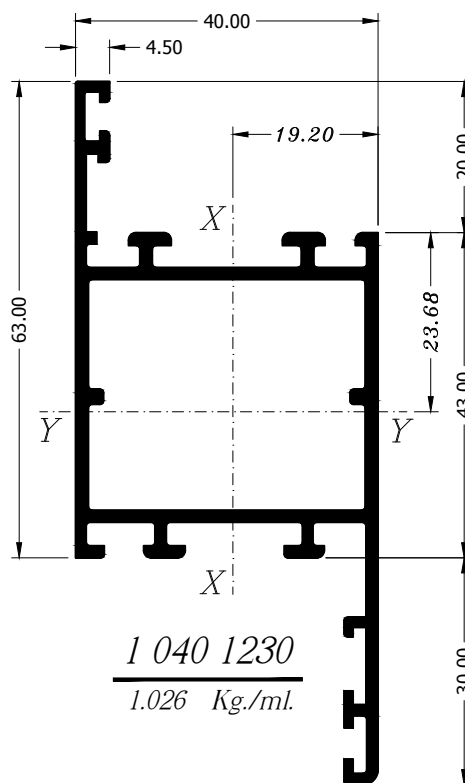


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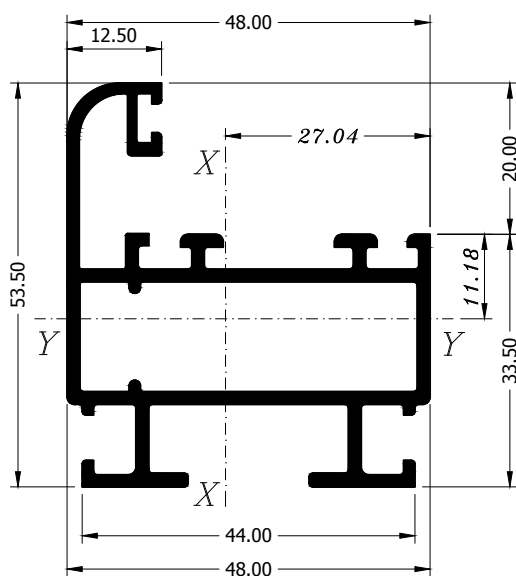




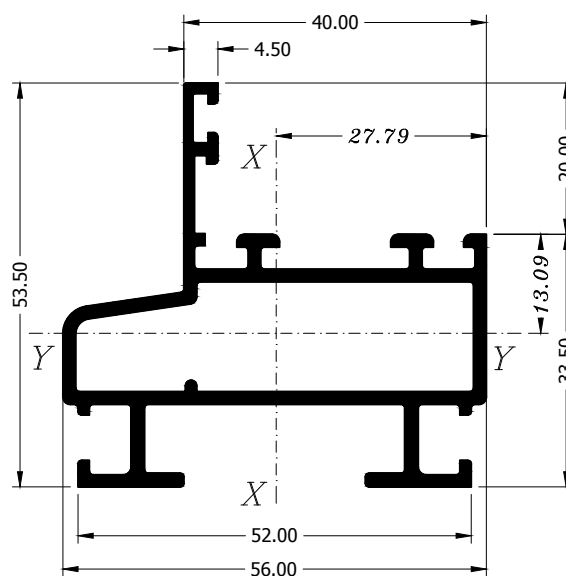
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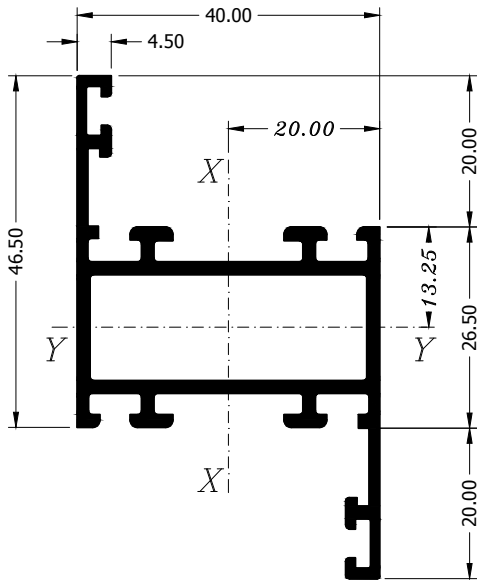
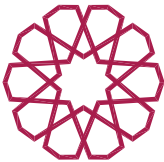


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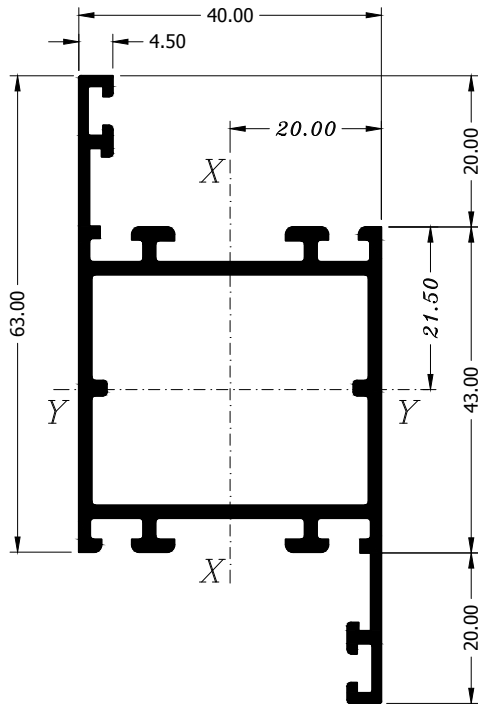


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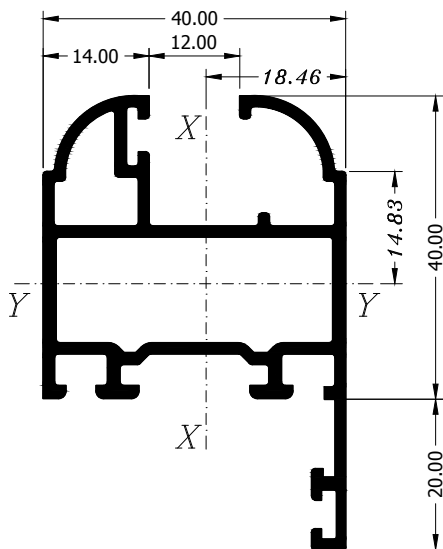




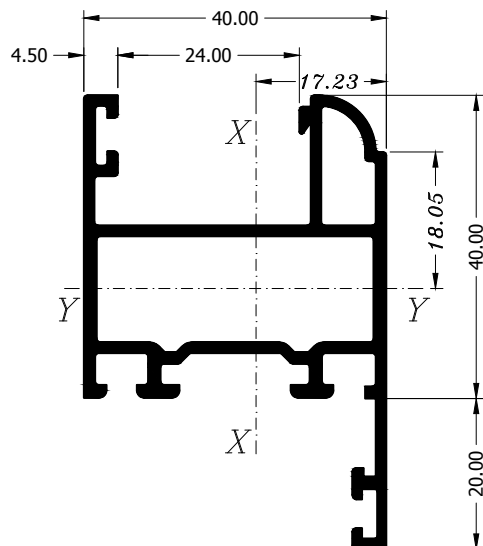
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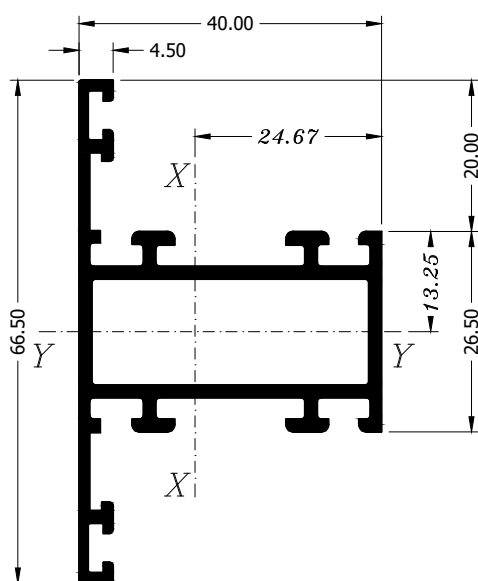
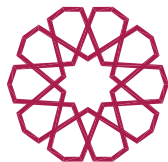
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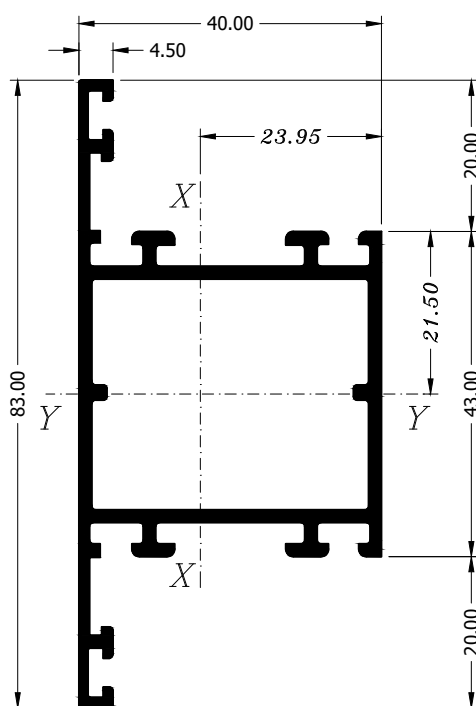
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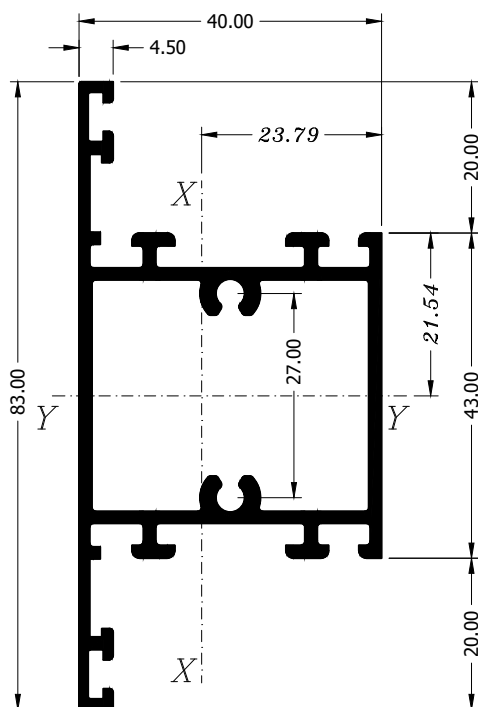
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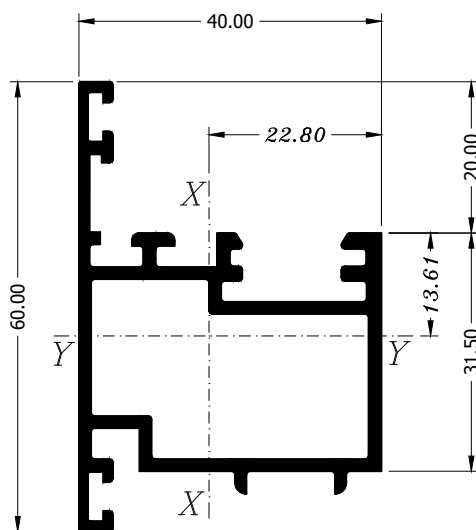
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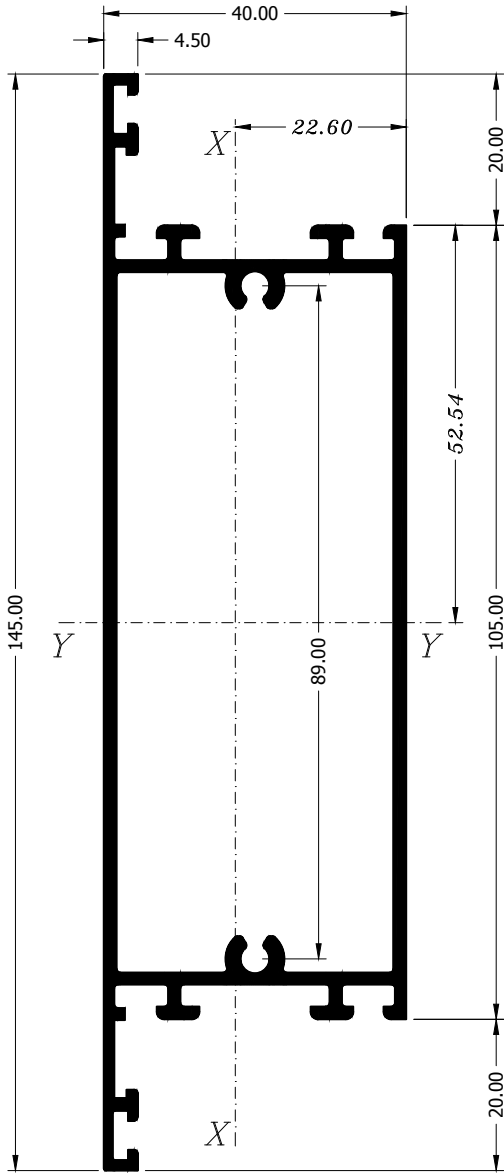
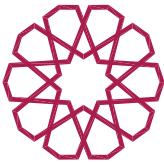
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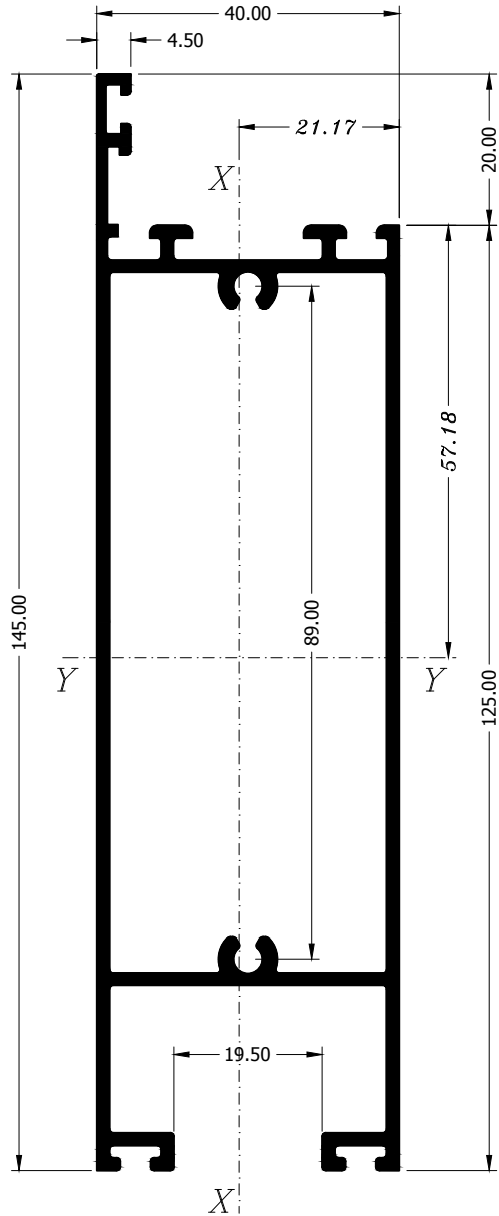
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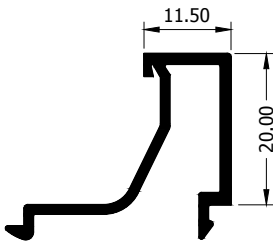
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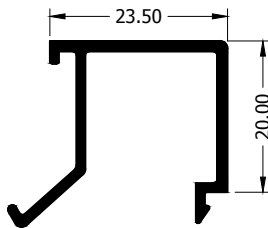
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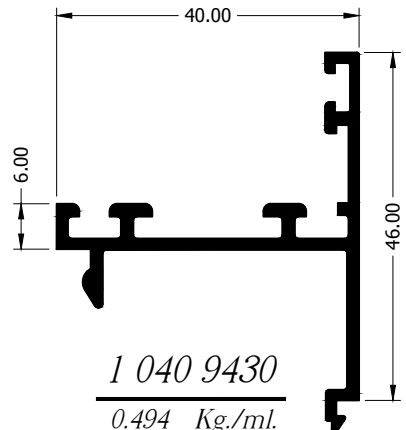
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1 040 9430  
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