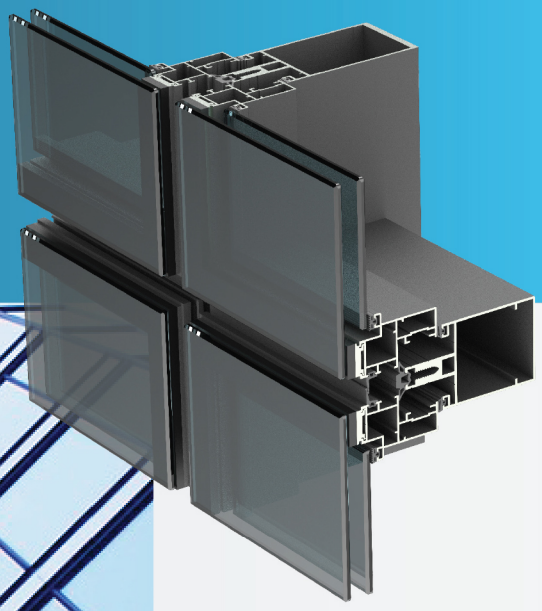
Machines & Aluminium Center

مركز ماكينات ومستلزمات الألومنيوم

PANORAMA 62

Curtain Wall 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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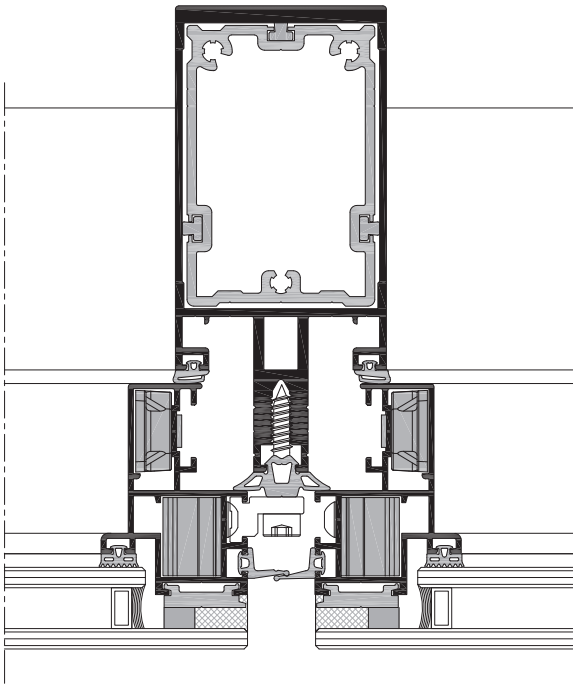


- Wide variety of profiles (mullions and transoms) with different dimensions and moment of inertia to fulfill the structural requirements.
- Available in 3 different glazing appearances, conventional curtain wall, full structural glazing and semi structural glazing (same appearance for fixed and opening panels internally & externally).
- Improved statical values due to inserted standard steel or aluminum profiles.
- unique transom connector for gapless.

Technical Characteristics

Mullion Depth

62 mm.

Mullion Height

92 mm. to 187 mm.

Transom Depth

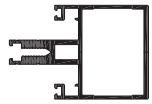
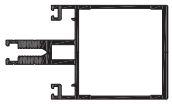
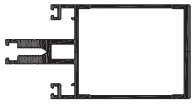
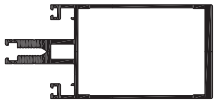
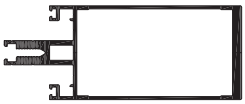
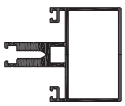
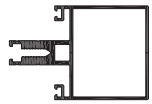
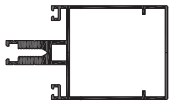
62 mm.

Transom Height

77 mm. to 122 mm.

Max Sash Weight (Top Hung)

130 kg.

Section	Profile no.	Description	Weight kg/m	Perimeter mm	Inertia		Page No.
					Ix	Iy	
	30621206	Mullion Profile	2.741	505	75.90	36.82	10
	30621207	Mullion Profile	2.981	535	122.79	43.03	10
	30621209	Mullion Profile	3.221	565	186.11	49.24	11
	30621210	Mullion Profile	3.540	595	278.64	56.27	11
	30621212	Mullion Profile	3.910	635	430.69	65.10	12
	30621215	Mullion Profile	4.253	695	682.70	75.91	12
	30621504	Mullion Profile	2.103	446	36.80	25.43	13
	30621506	Mullion Profile	2.252	476	60.29	30.32	13
	30621507	Mullion Profile	2.435	506	94.66	36.28	14

Section	Profile no.	Description	Weight kg/m	Perimeter mm	Inertia		Page No.
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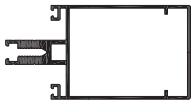
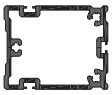
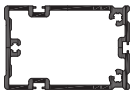
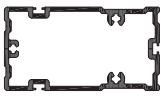
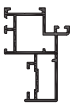
	30621509	Mullion Profile	2.592	536	136.91	41.17	14
	30624006	Expansion Profile	1.469	249	11.30	19.66	15
	30624007	Expansion Profile	2.017	276	29.71	29.63	15
	30624009	Expansion Profile	2.357	304	56.47	37.00	15
	30624010	Expansion Profile	2.570	331	88.92	42.35	15
	30624012	Expansion Profile	2.965	373	146.78	50.70	16
	30624015	Expansion Profile	3.431	433	268.27	60.96	16
	30624612	Expansion Profile	0.227	98	0.00	0.00	20
	30625011	Pressure Plate	0.719	229	0.00	0.00	17

Section	Profile no.	Description	Weight kg/m	Perimeter mm	Inertia		Page No.
					Ix	Iy	
	30625121	Cover Profile	1.196	354	0.00	0.00	17
	30625251	Leaf Profile	0.436	216	0.00	0.00	17
	30625272	Leaf Profile	0.296	127	0.00	0.00	17
	30625426	Leaf Profile	0.487	194	0.00	0.00	17
	30626417	Leaf Profile	1.040	308	15.45	4.90	18
	30626419	Leaf Profile	1.204	357	27.29	6.20	18
	30626427	Leaf Profile	1.064	323	13.80	5.29	18
	30626429	Leaf Profile	1.238	368	25.26	6.94	18
	30626436	Leaf Profile	1.102	316	15.95	5.85	19

Section	Profile no.	Description	Weight kg/m	Perimeter mm	Inertia		Page No.
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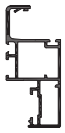
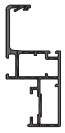
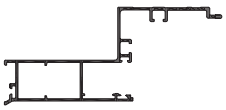
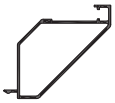
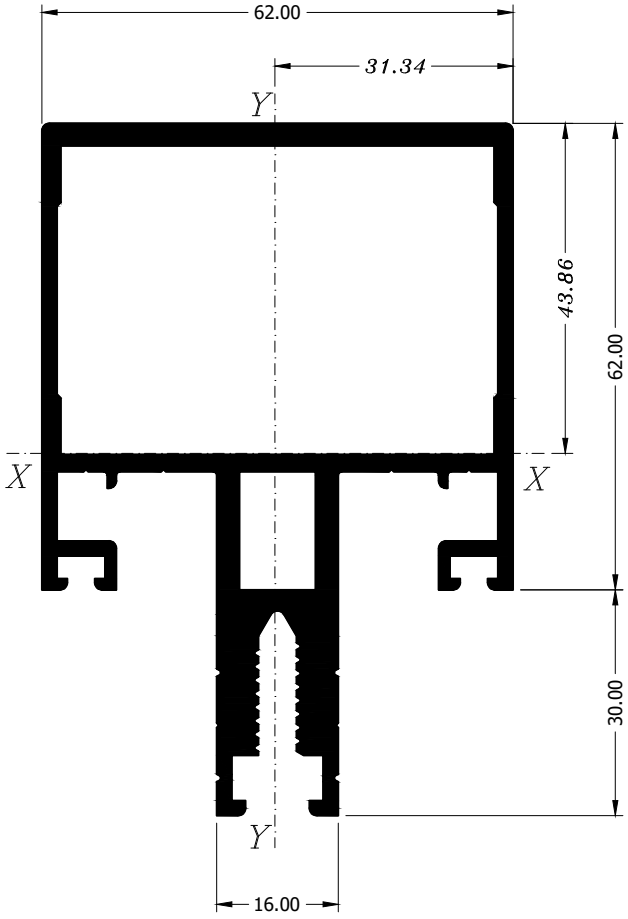
	30626437	Leaf Profile	1.210	358	24.39	6.87	19
	30626447	Leaf Profile	1.185	339	22.72	6.70	19
	30626488	Leaf Profile	1.320	413	28.80	6.51	19
	30629169	Ending Profile	1.088	336	0.00	0.00	20
	30629246	Ending Profile	1.269	582	0.00	0.00	21
	30629700	Control Rod	0.194	51	0.01	0.25	20
	30629703	Control Rod	0.305	72	0.03	0.52	20
	30629816	Insert Profile	1.617	627	0.00	0.00	21
	30629826	Insert Profile	0.943	252	0.00	0.00	20

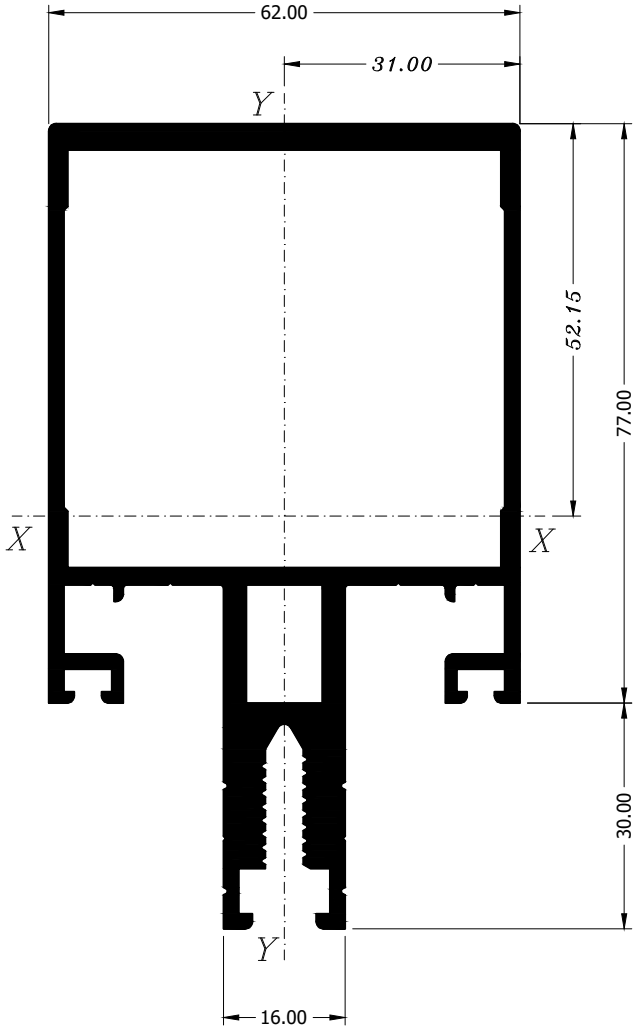


3 062 1206

2.741 Kg./ml.

I_x = 75.89 Cm^4

I_y = 36.81 Cm^4

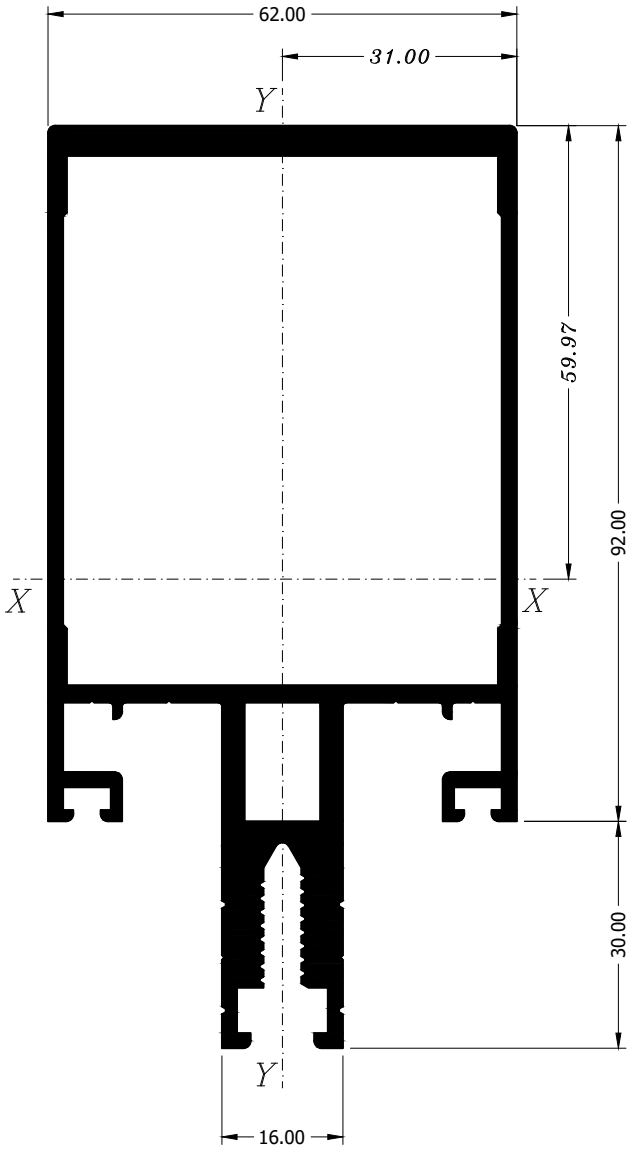


3 062 1207

2.981 Kg./ml.

I_x = 122.79 Cm^4

I_y = 43.02 Cm^4

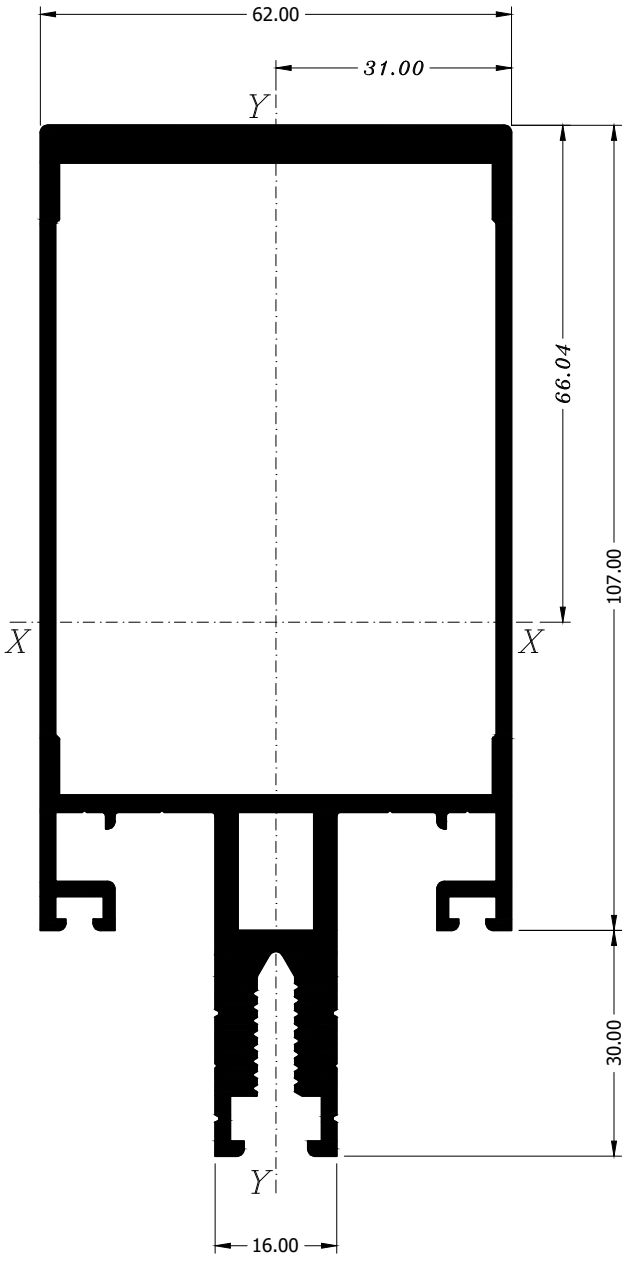


3 062 1209

3.221 Kg./ml.

$I_x = 186.11$ Cm^4

$I_y = 49.24$ Cm^4

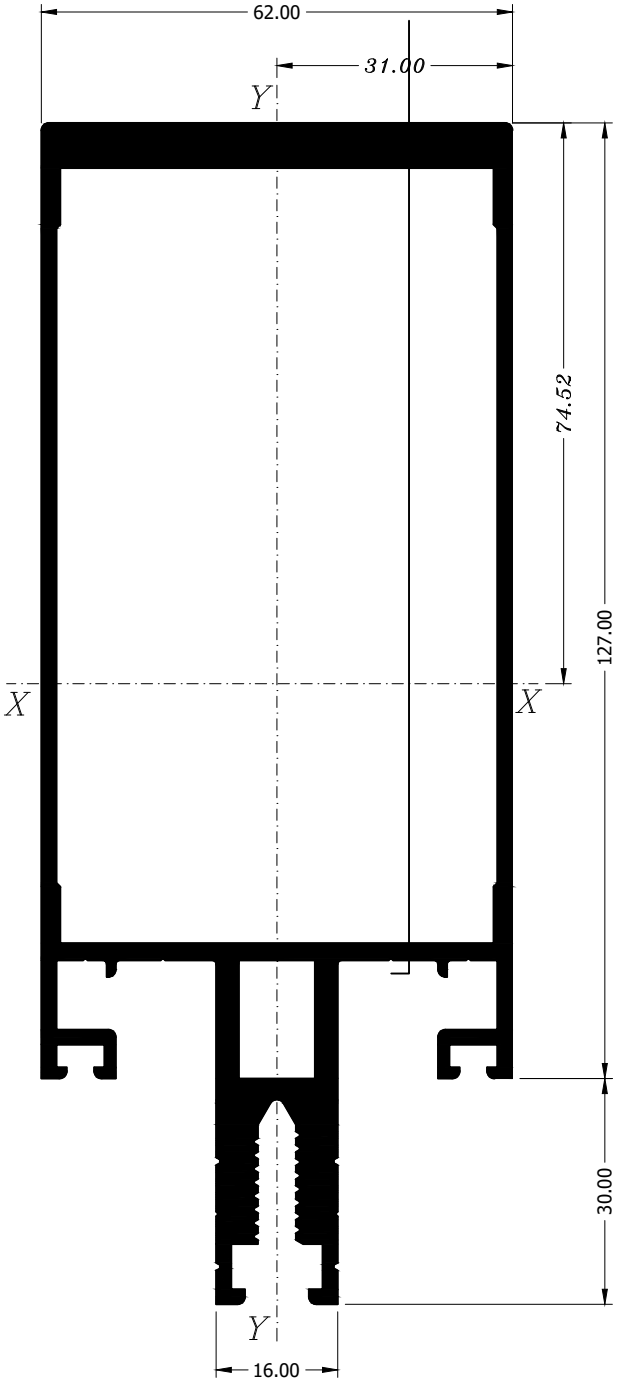


3 062 1210

3.540 Kg./ml.

$I_x = 278.60$ Cm^4

$I_y = 56.27$ Cm^4

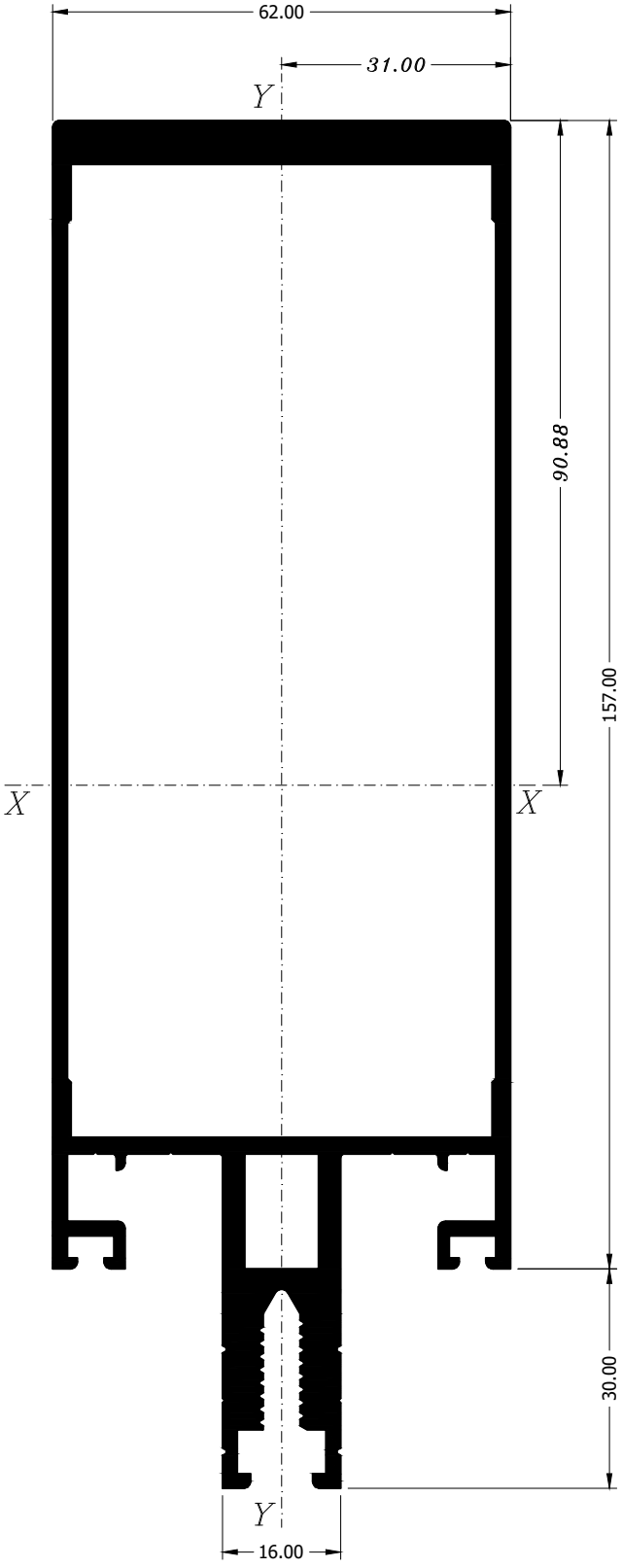


3 062 1212

3.910 Kg./ml.

$I_x = 430.69$ Cm^4

$I_y = 65.10$ Cm^4

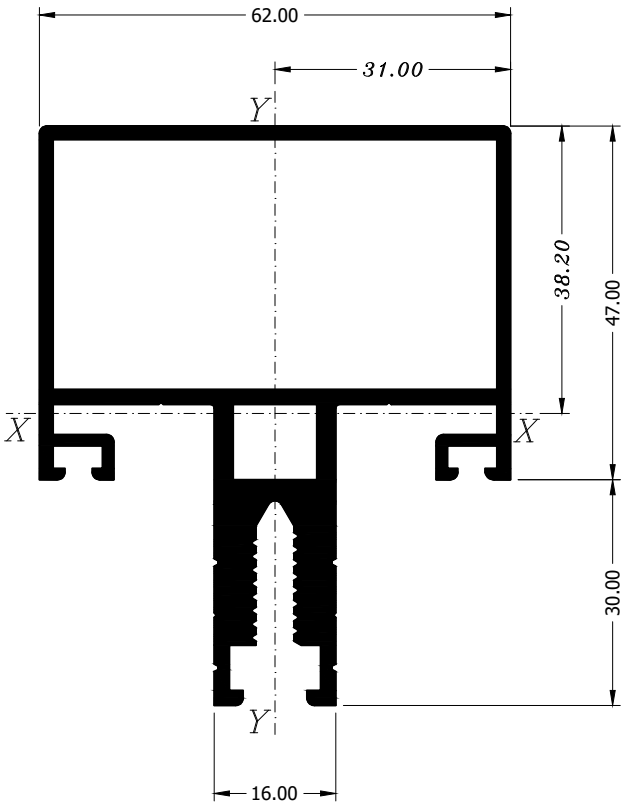


3 062 1215

4.253 Kg./ml.

$I_x = 682.70$ Cm^4

$I_y = 75.91$ Cm^4

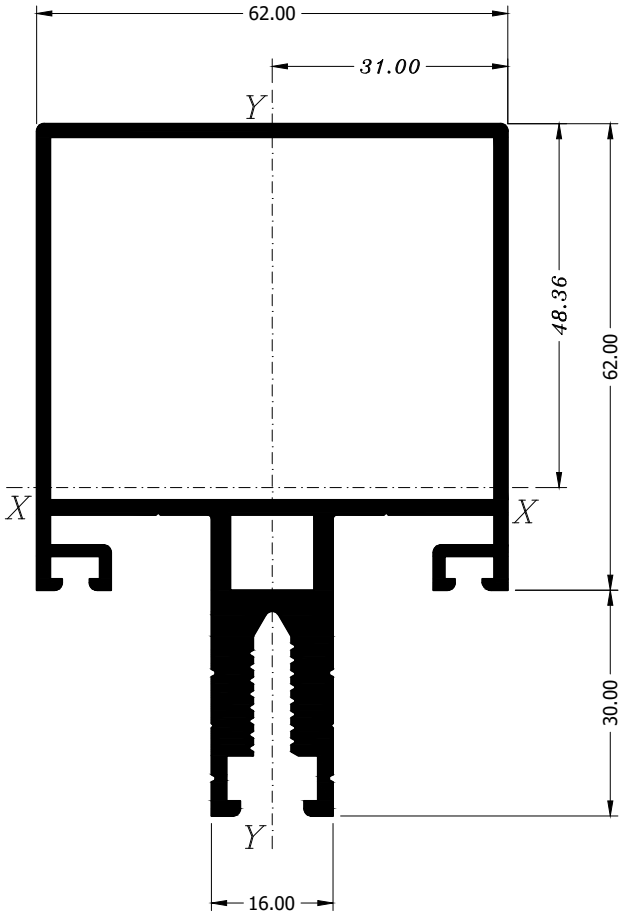


3 062 1504

2.103 Kg./ml.

I_x = 36.80 Cm^4

I_y = 25.42 Cm^4

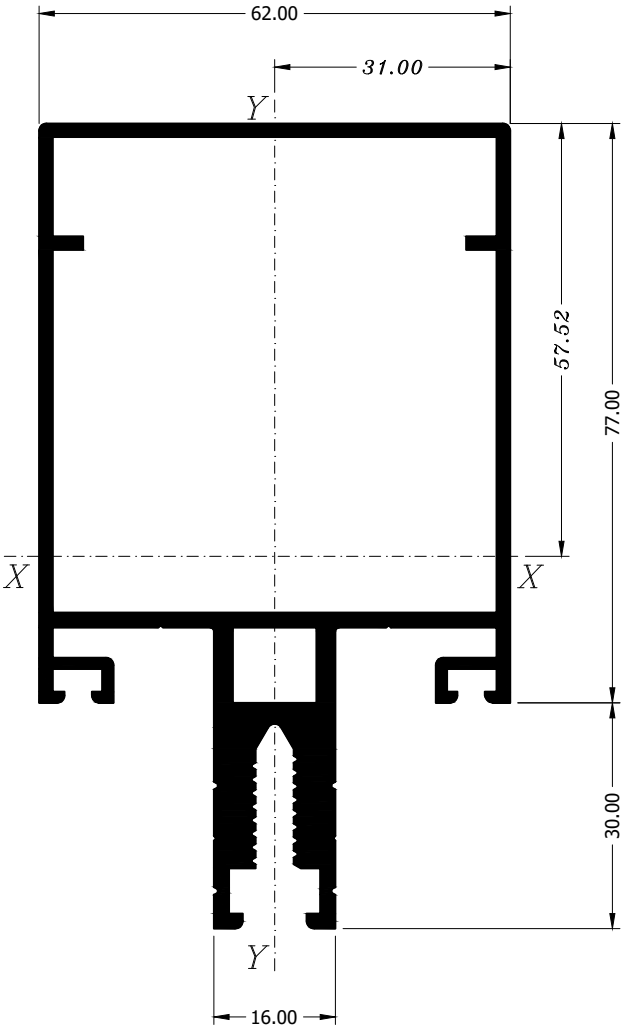


3 062 1506

2.252 Kg./ml.

I_x = 60.29 Cm^4

I_y = 30.31 Cm^4

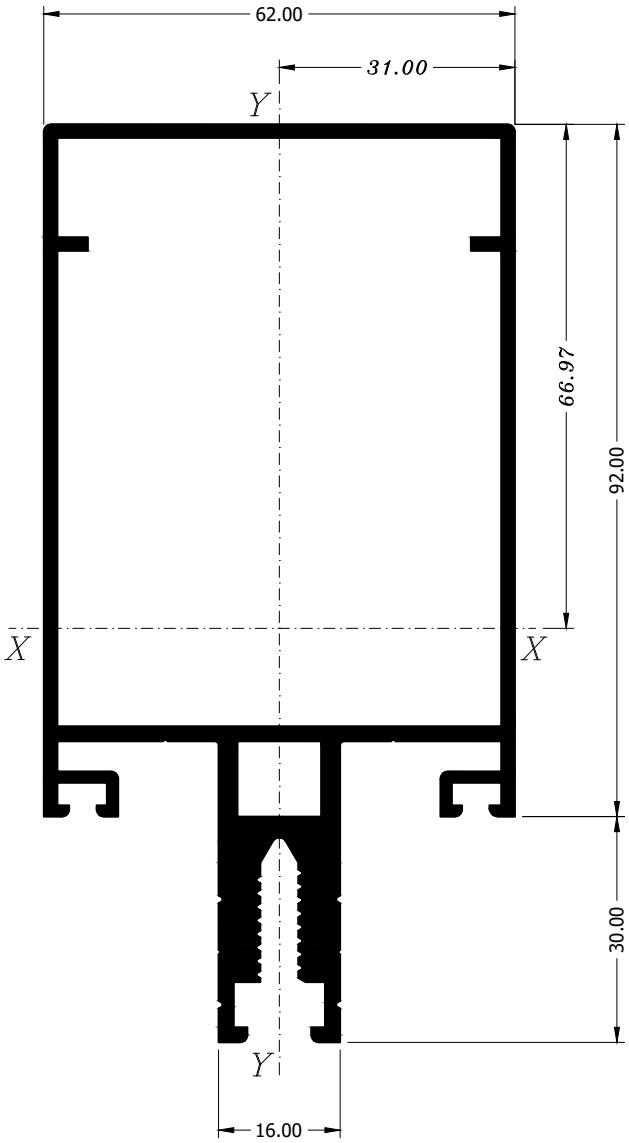


3 062 1507

2.435 Kg./ml.

I_x = 94.66 Cm^4

I_y = 36.28 Cm^4

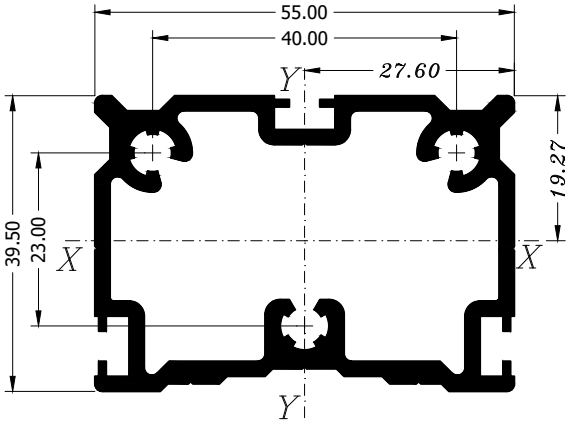


3 062 1509

2.592 Kg./ml.

I_x = 136.91 Cm^4

I_y = 41.17 Cm^4



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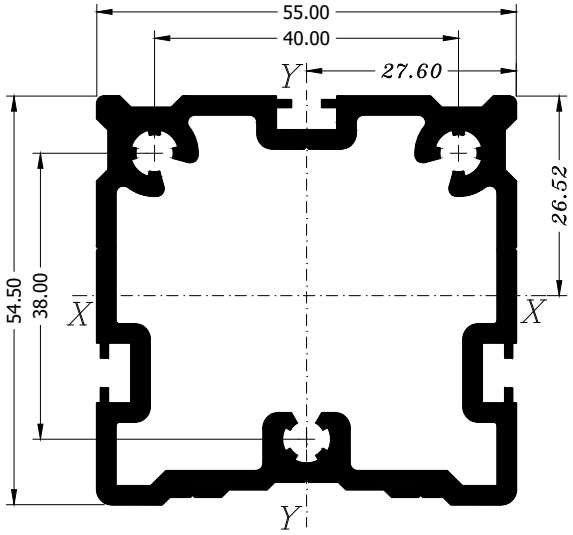
1.469 Kg./ml.

I_x = 11.29 Cm^4

I_y = 19.66 Cm^4

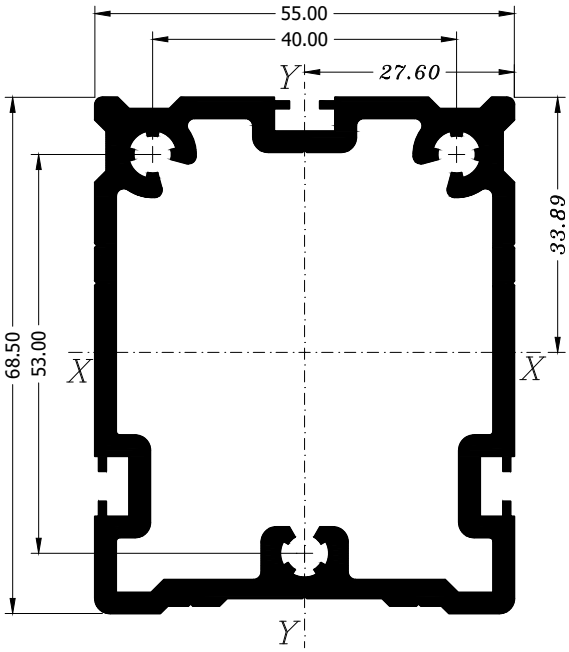


3 062 4007

2.017 Kg./ml.

I_x = 29.71 Cm^4

I_y = 29.63 Cm^4

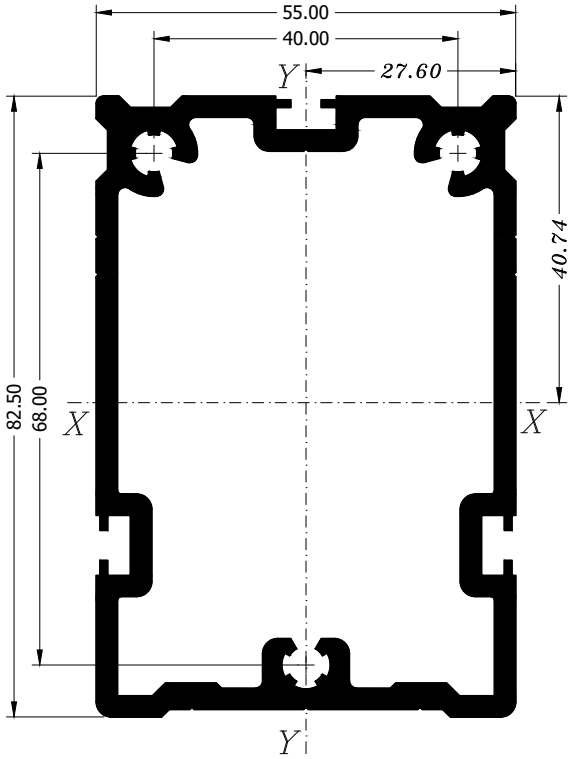


3 062 4009

2.357 Kg./ml.

I_x = 56.47 Cm^4

I_y = 36.99 Cm^4

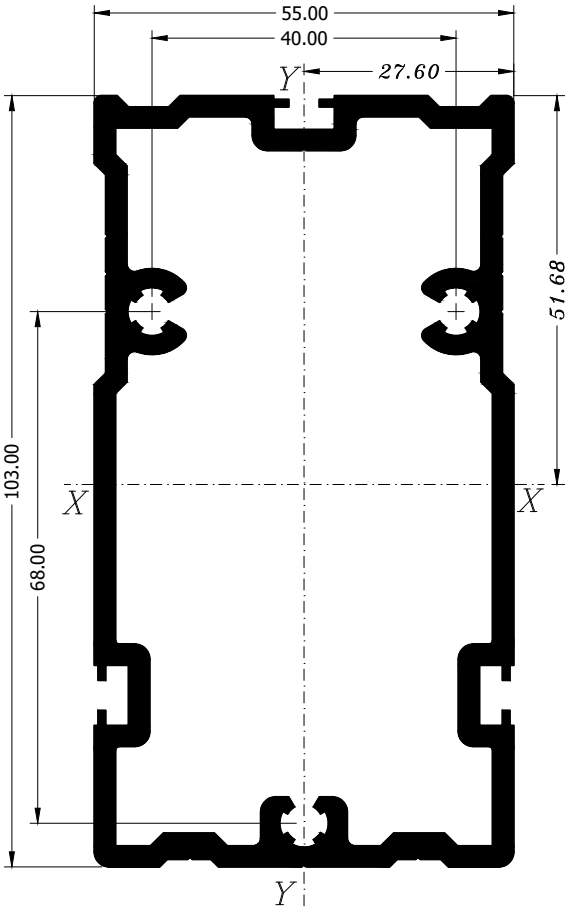


3 062 4010

2.570 Kg./ml.

I_x = 88.91 Cm^4

I_y = 42.35 Cm^4

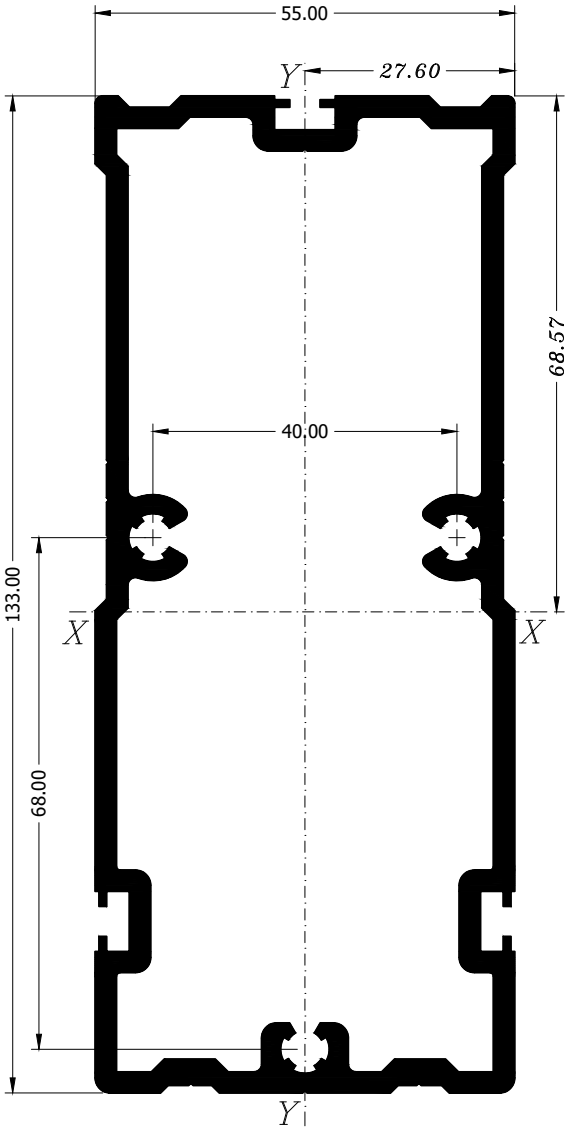


3 062 4012

2.965 Kg./ml.

$I_x = 146.78$ Cm^4

$I_y = 50.70$ Cm^4

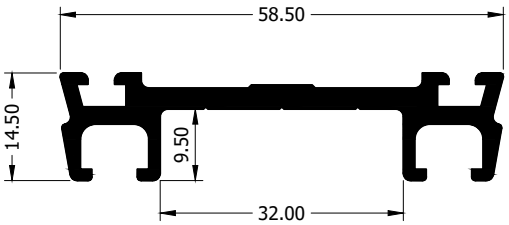


3 062 4015

3.431 Kg./ml.

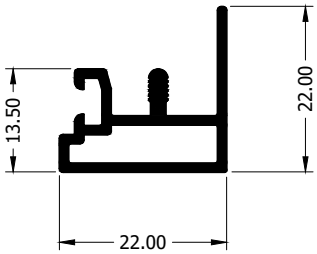
$I_x = 268.26$ Cm^4

$I_y = 60.96$ Cm^4



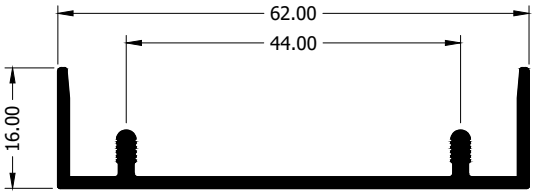
3 062 5011

0.719 Kg./ml.



3 062 5272

0.296 Kg./ml.



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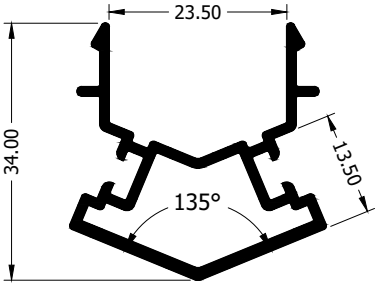
0.436 Kg./ml.

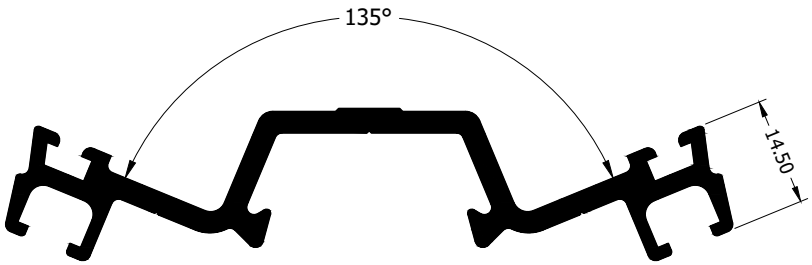


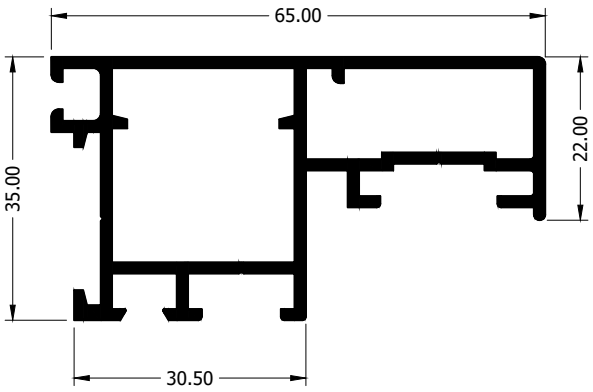
3 062 5426

0.487 Kg./ml.

3 062 5121

1.196 Kg./ml.





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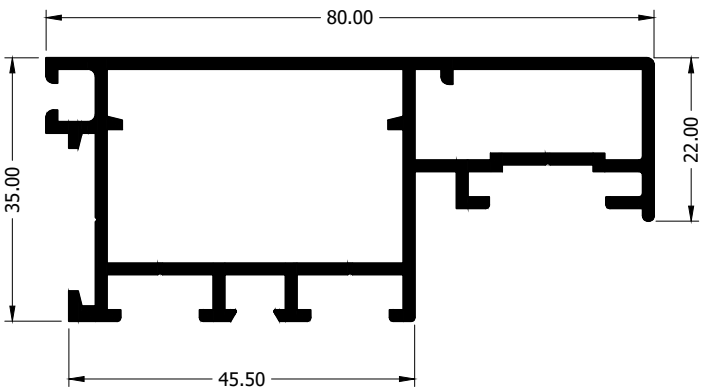
1.040 Kg./ml.



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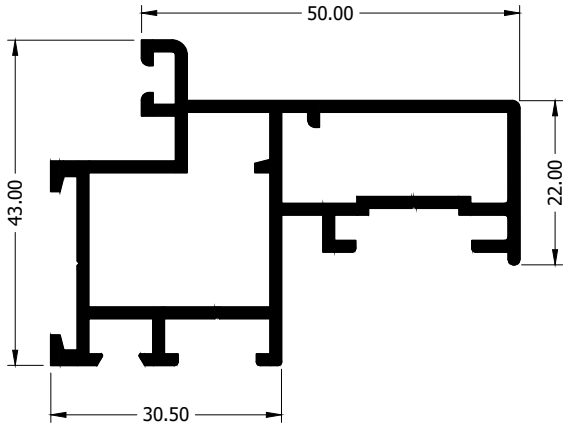
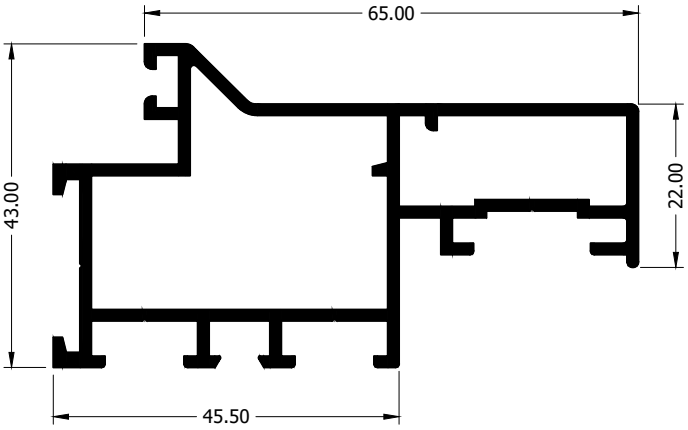
1.204 Kg./ml.



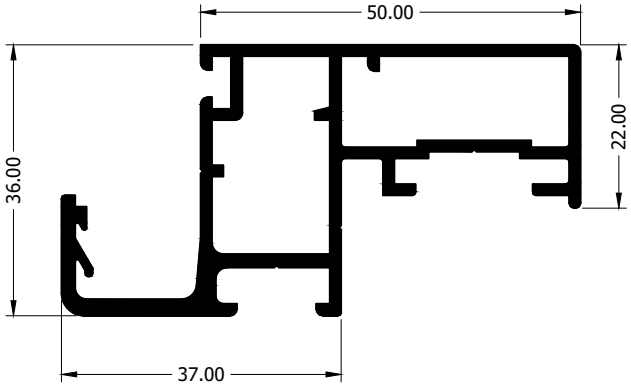
3 062 6427

1.064 Kg./ml.



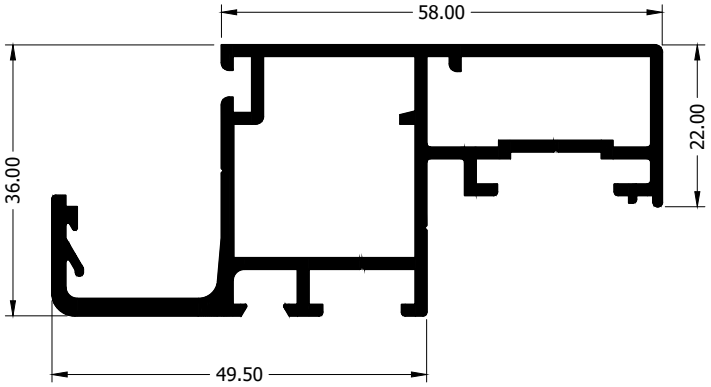
3 062 6429

1.238 Kg./ml.



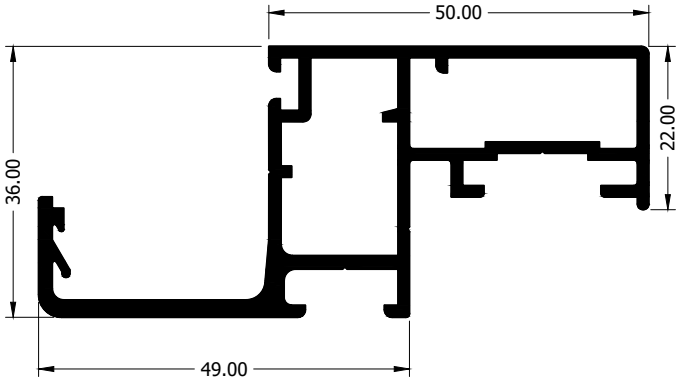
3 062 6436

1.102 Kg./ml.



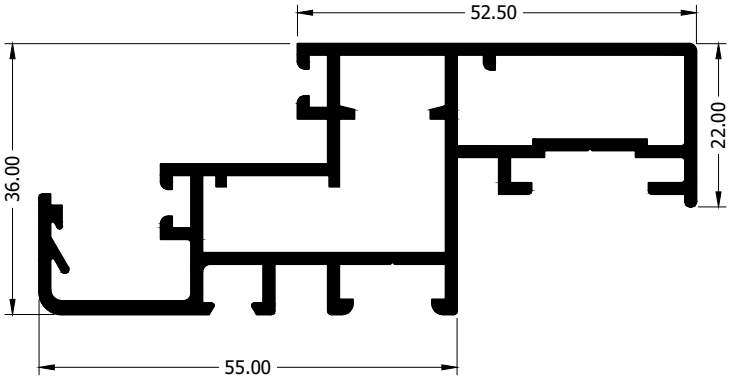
3 062 6437

1.210 Kg./ml.



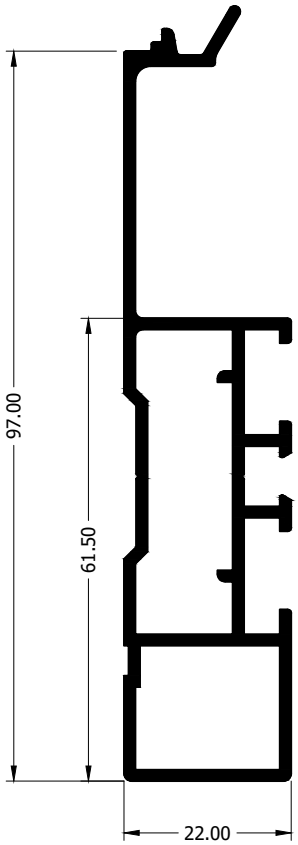
3 062 6447

1.185 Kg./ml.



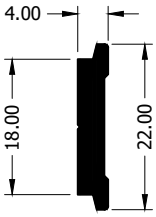
3 062 6488

1.320 Kg./ml.



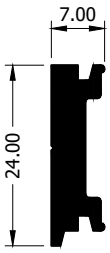
3 062 9169

1.088 Kg./ml.



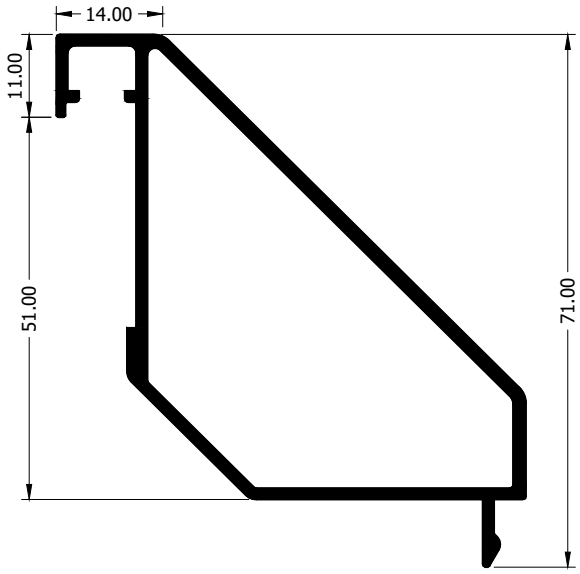
3 062 9700

0.194 Kg./ml.



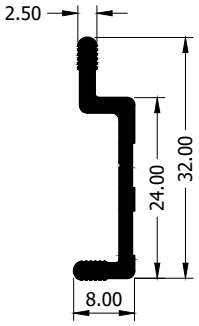
3 062 9703

0.305 Kg./ml.



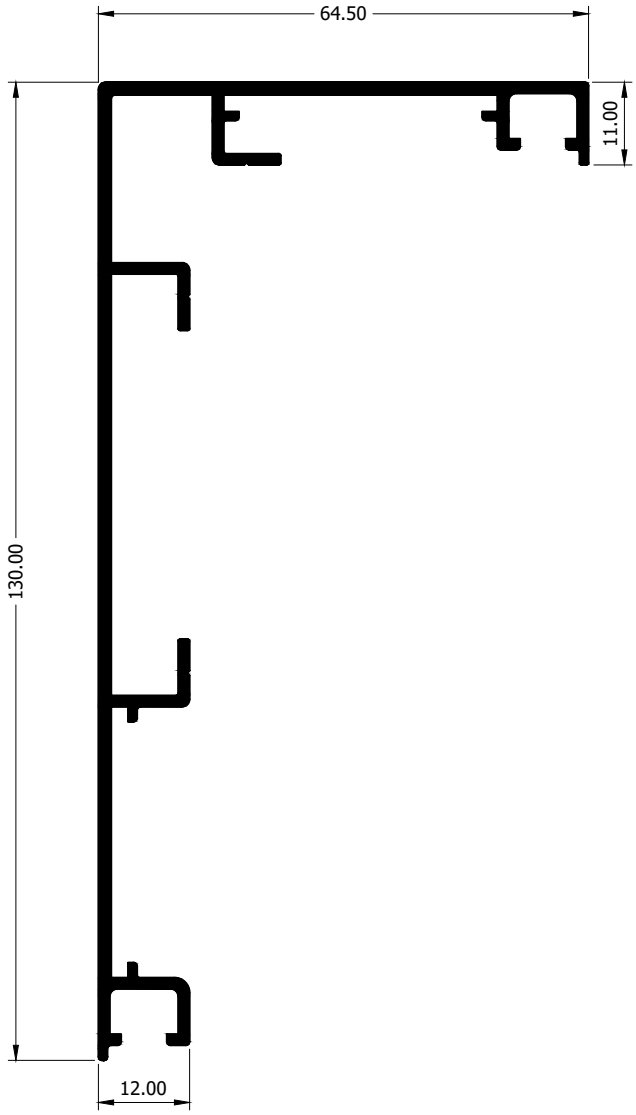
3 062 9826

0.943 Kg./ml.



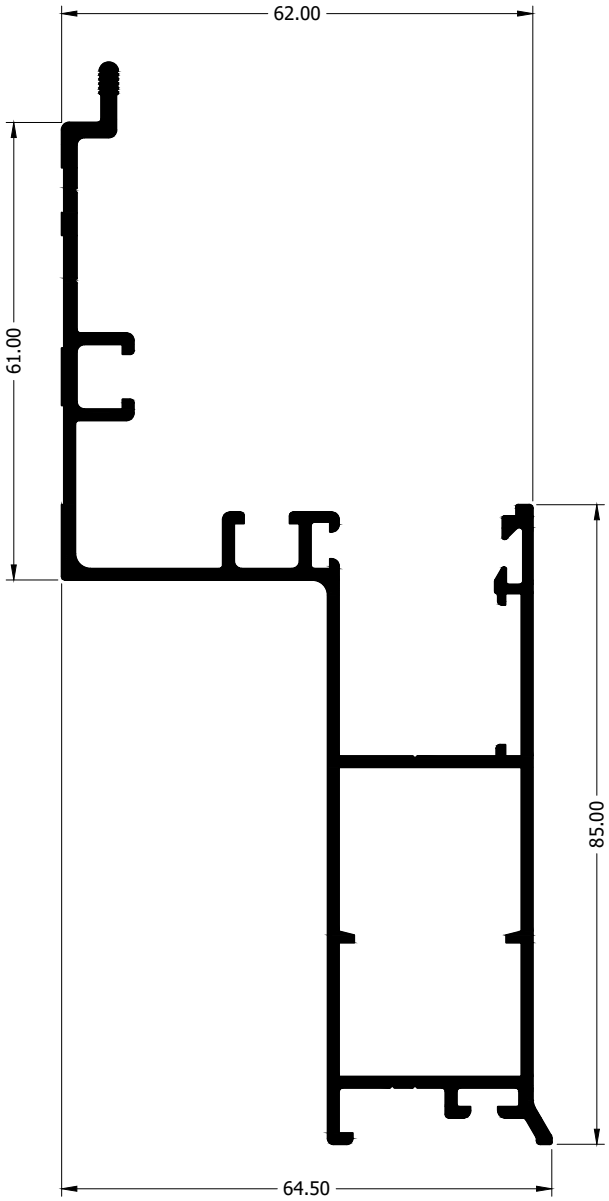
3 062 4612

0.227 Kg./ml.



3 062 9246

1.269 Kg./ml.



3 062 9816

1.617 Kg./ml.

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