

السلام لتجارة الألومنيوم



<http://www.alsalamps.com>

<https://www.facebook.com/AlsalamPs>

**In the name of Allah, most gracious, most merciful
As-Salam for aluminum trading**

Our journey:

Rich history, bright future, continuous commitment to offer the best

There is no doubt that one of the main things that has led to the success of Al-Salam company is its ability to move ahead since 1981 thanks to our sincere work and honest dealing and maintaining the quality of our systems. We are careful to fulfill the needs of our customers inside and outside the country.

Our slogan:

The prophets, the truthful, and the martyrs shall be the company of truthful and trustworthy merchant.

True are the works of Allah's messenger, Allah's peace and blessings be upon him

Our mission:

Ever since we started our business, we have been careful to offer the best aluminum related materials perfect accessories used in the integrated construction system.

Our vision:

We try to be the leading company in delivering the most developed systems with high quality.

Our values:

1- Excellence: our achievements are attributed to fulfilling the required works regularly and according to the best service levels.

2- Quality: since 1981, we have been able to meet the growing needs of the domestic market and we will always be committed to our basic principle: (achieving quality to obtain the customers' trust).

3- Dealing: we deal with our customers in full transparency.

4- Innovation: we always strive to develop our work.

5- Flexibility: our work is done with great flexibility and efficiency, and we take decisions for the best interests of our customer.

Trademark:

(PS) is the main trademark of Al-Salam for Aluminum trading and it is extremely famous inside and outside the country thanks to the following system.

First: sliding systems

- PS 6600
- PS 8000
- PS 9000
- PS 9600
- PS 9900

Second: hinged systems

- PS 4800
- PS 5600

Third: curtain walls and structural glazing systems

- PS 100
- PS 200

Thanks to Allah, our we have become the most famous and widespread systems in the Egyptian market and they are exported to many countries such as Libya, Sudan, Saudi Arabia, Gabon, Malawi and other countries.

Our systems have been selected to be included in the industrial education curricula for students in Egypt and Libya.

Our pledge:

The company's pledge is to always be up to its customers' expectations.

Allah is the one who grants success.

Technical introduction**Production**

PS pieces are made from pure aluminum according to the international specifications by using the 6063 aluminum alloy highly oxidized according to all methods and mechanical properties. Moreover, 6063 aluminum alloy is a strong material and of high corrosion resistance.

Table (1) chemical analysis of 6063 alloy:

Silicon	Iron	Copper	Manganese	Magnesium	Chromium	Zinc	Titanium	Aluminum
0.3: 0.45	0.35	0.02	0.03	0.55	0.1	0.03	0.03	The rest

Table (2) the mechanical characteristics of 6063 alloy:

Heat treatment	Tensile stress	Yield stress	Elongation	Hardness H.B
T5, T6	15: 20.5	11: 17	8: 8	60 : 73

Oxidation

Anode oxidation: it is an electrochemical process to oxidize the surface of the pieces, its advantages are as follows:

- 1- it resists the weather and humidity
- 2- it resists usage conditions and possibility of scratching
- 3- it makes the surface look good

Colours

- 1- M.F without anode T. 6
- 2- Silver and the anode is not less 12: 15 micron T.6
- 3- Brown 2 and the anode is not less than 15: 18 micron T.6
- 4- Brown 6 and the anode is not less than 15: 18 micron T.6
- 5- All colours are made ready using the electrostatic technique according to the colours listed in the international roll, using polyester powder 50: 120 micron

Allah is the one who grants success.

Certificate to whom it may concern

Kindly be informed that PS parts with their different systems belong to Al-Salam for aluminum trading and they are designed by the company's technical office, they are also produced in the factories for us and with our responsibility, recently, however, new factories have been established in Egypt they do not respect intellectual property. Such factories have already produced some of these parts, which do not meet the specification. Therefore, we guarantee the parts sold by us or by our agents throughout the republic.

We grant our clients certificates stating our responsibility for these goods.

Please be notified of this.

since 1981

PS-100

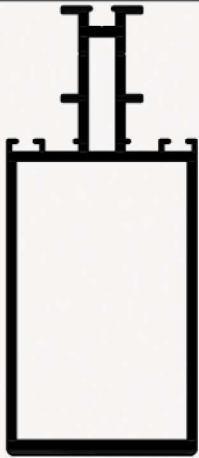
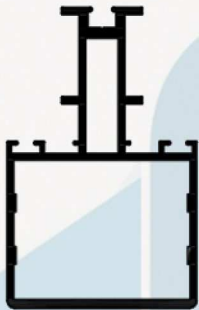
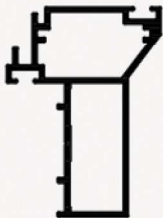
STRUCTURE SYSTEM

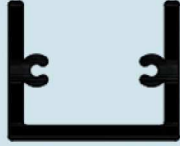
SEMI STRUCTURE SYSTEM

CURTAIN WALL SYSTEM

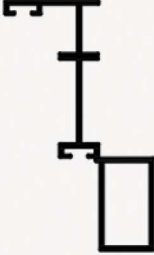
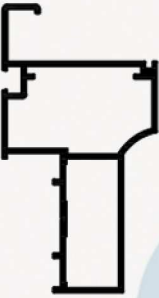
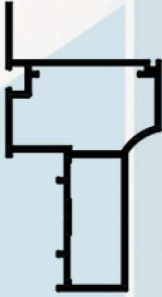
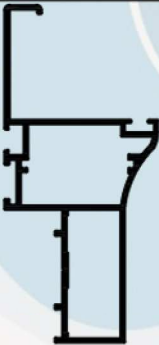
since 1981

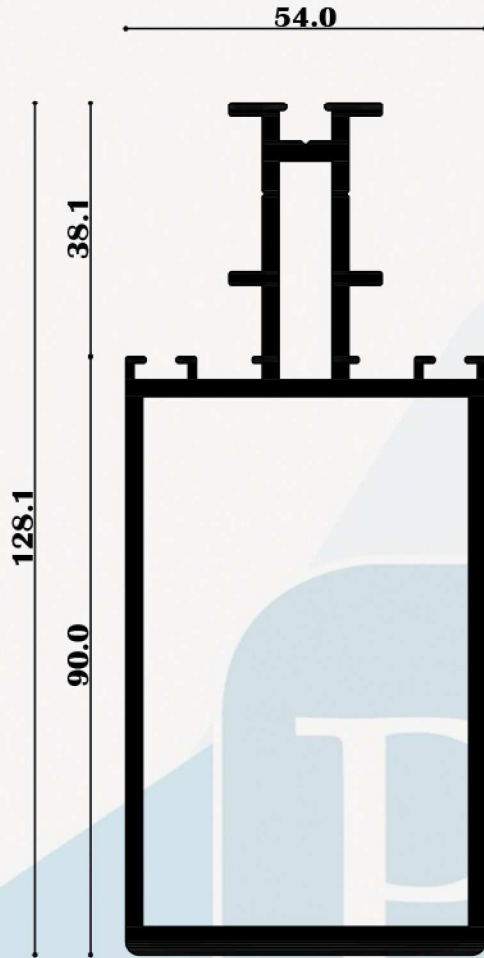
PROFILE LIST PS-100

Profile Code	Profile	Weight (kg/m)
PS 101		2.895
PS 102		1.736
PS 103		0.459
PS 104		0.281
PS 105		0.186
PS 106		0.324
PS 107		0.896

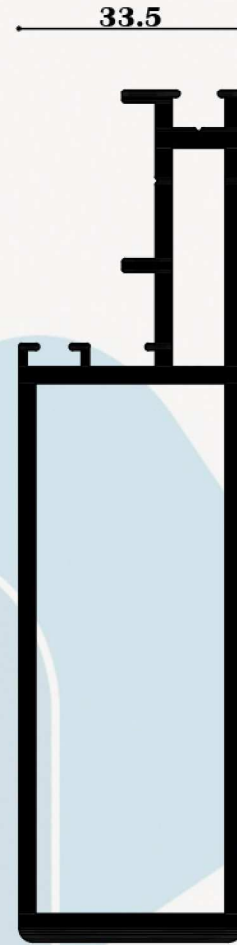
Profile code	Profile	Weight (kg/m)
PS 108		0.266
PS 109		0.337
PS 110		0.900
PS 111		1.560
PS 112		0.500
PS 113		0.295
PS 116		0.220
PS 121		2.398
PS 128		0.224

PROFILE LIST PS-100

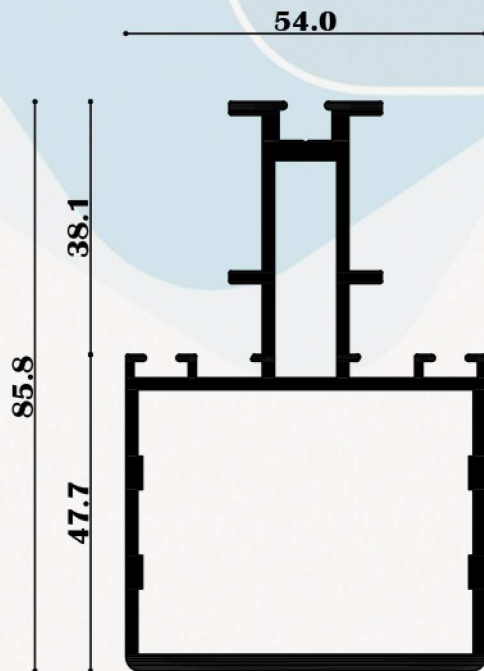
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PS 126		0.670	-----	-----	-----
PS 127		1.031	-----	-----	-----
PS 129		1.234	-----	-----	-----
PS 137		1.110	-----	-----	-----
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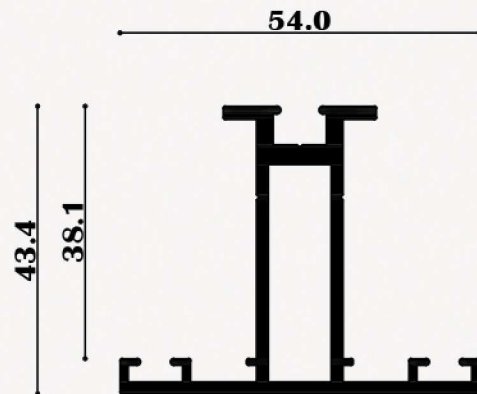
PS -101
2.859 KG/M



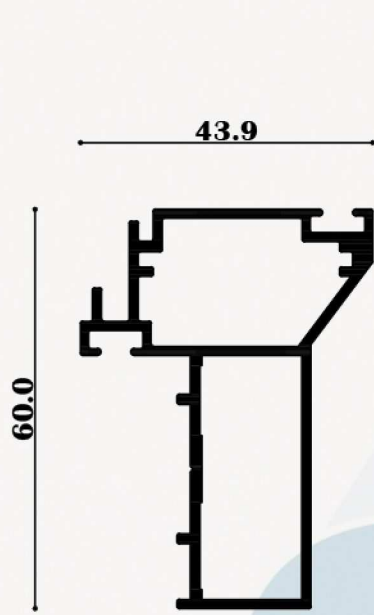
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2.398 KG/M



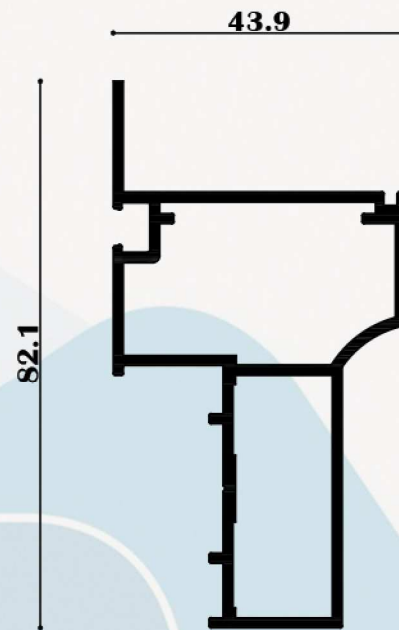
PS -102
1.736 KG/M



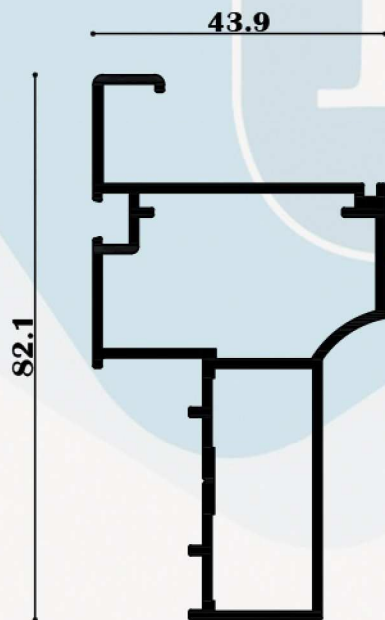
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0.900 KG/M



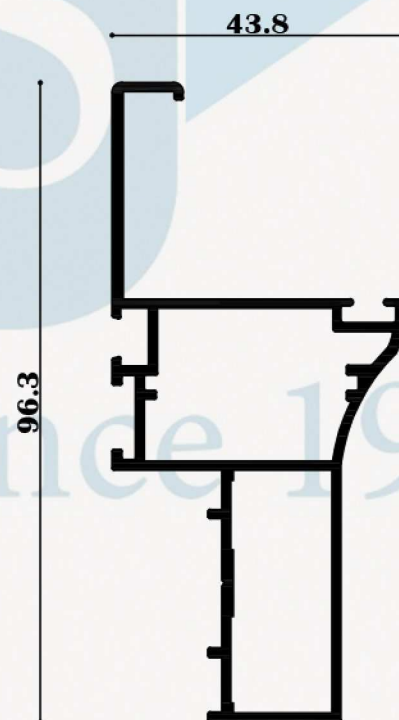
PS -107
0.896 KG/M



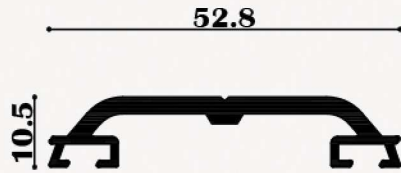
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1.234 KG/M



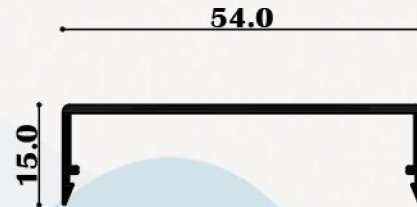
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1.031 KG/M



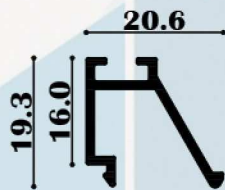
PS -137
1.110 KG/M



PS -103
0.459 KG/M



PS -104
0.281 KG/M



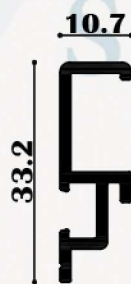
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0.186 KG/M



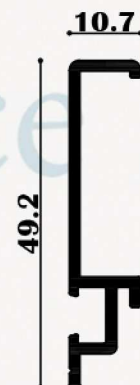
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0.324 KG/M



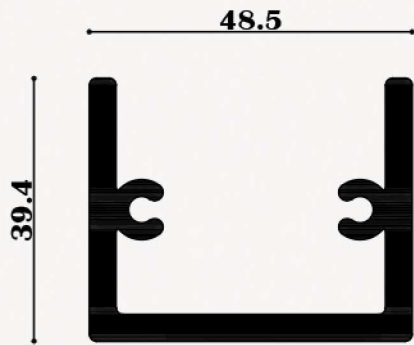
PS -108
0.266 KG/M



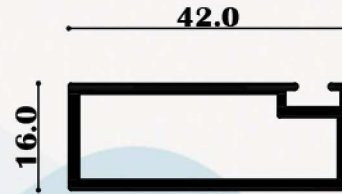
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0.295 KG/M



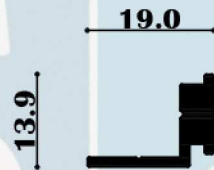
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0.337 KG/M



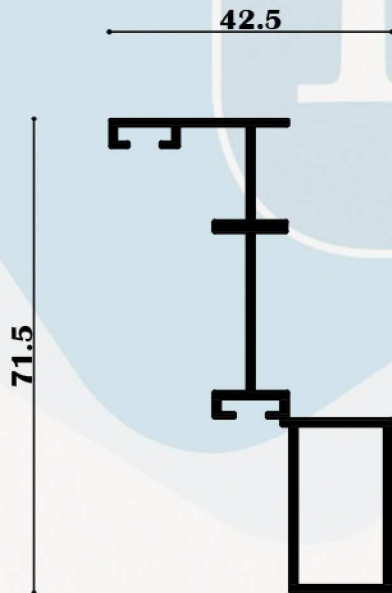
PS -111
1.560 KG/M



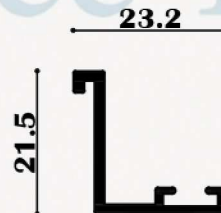
PS -112
0.500 KG/M



PS -116
0.220 KG/M



PS -126
0.670 KG/M



PS -128
0.224 KG/M

PS 100 STRUCTURE CALCULATION FOR ALUMINUM PROFILE

since 1981

STRUCTURE CALCULATION

Profile information: •

Area= 1059 mm²

Weight = 2.859 kg/m

Perimeter = 462 mm

Wind load : •

K=1 q=0.7kn/m²

Design Wind Load(pressure Pe)= Ke q (Ce-ci)= 0.8 kN /m²

Curtain wall size (max) : •

1100mm*4000mm

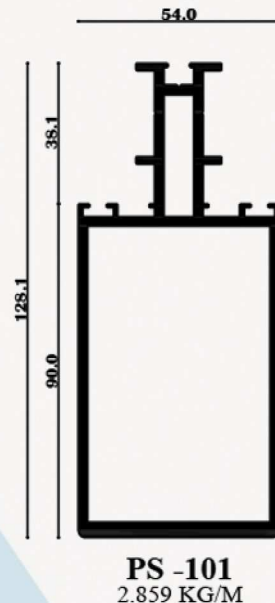
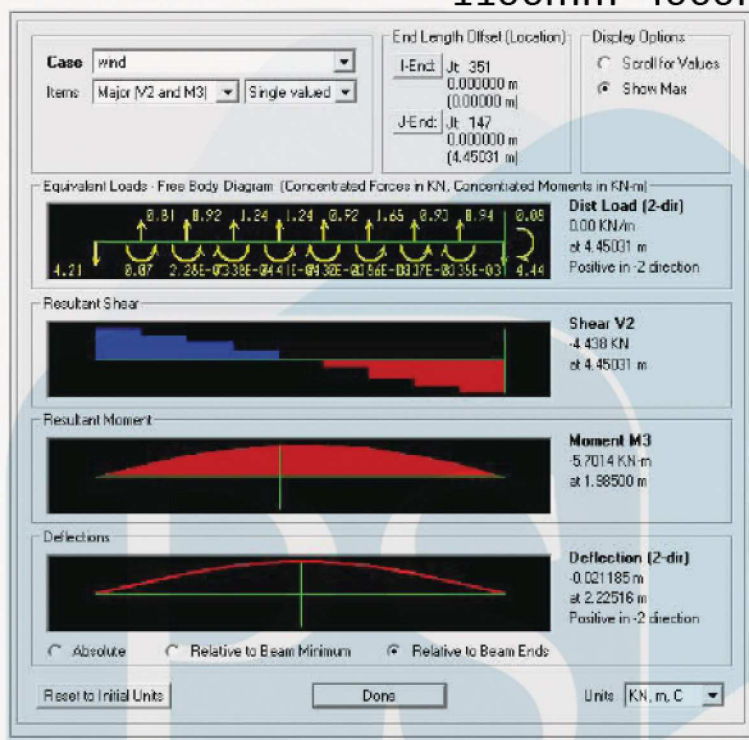
Deflection limit :

L/175=

4000/175=

22.86mm >

Actual Ok



Fixation height	Width	Allowable Def.	Actual Def.	Status
3m	1.3m	17.15mm	13.24mm	OK
3m	1.6m	17.15mm	15.86mm	OK
3.25m	1.4m	18.57mm	14.87mm	OK
3.25m	1.55m	18.57mm	16.10mm	OK
3.4m	1m	19.43mm	14.50mm	OK
3.4m	1.2m	19.43mm	15.98mm	OK
3.4m	1.5m	19.43mm	18.45mm	OK
3.5m	1m	20mm	14mm	OK
3.5m	1.2m	20mm	15.40mm	OK
3.5m	1.3m	20mm	16,60mm	OK
3.5m	1.4m	20mm	17.89mm	OK
3.5m	1.5m	20mm	18.35mm	OK
3.5m	1.55m	20mm	19.91mm	OK
3.75m	1.3m	21.43mm	20.58mm	OK
4m	1m	22.86mm	20.54mm	OK
4m	1.1m	22.86mm	22.20mm	OK

STRUCTURE CALCULATION

Profile information: •

Area= 643 mm²

Weight = 1.736 kg/m

Perimeter = 378 mm

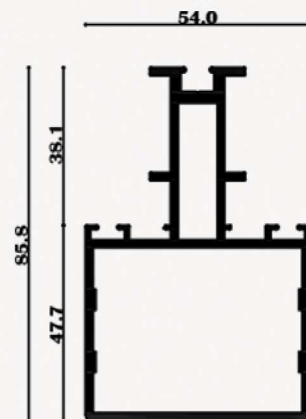
Wind load : •

K=1 q=0.7kn/m²

Design Wind Load (pressure Pe)= Ke q (Ce-ci) = 0.8 kN /m²

Curtain wall size (max) : •

1100mm*2200mm



PS -102
1.736 KG/M

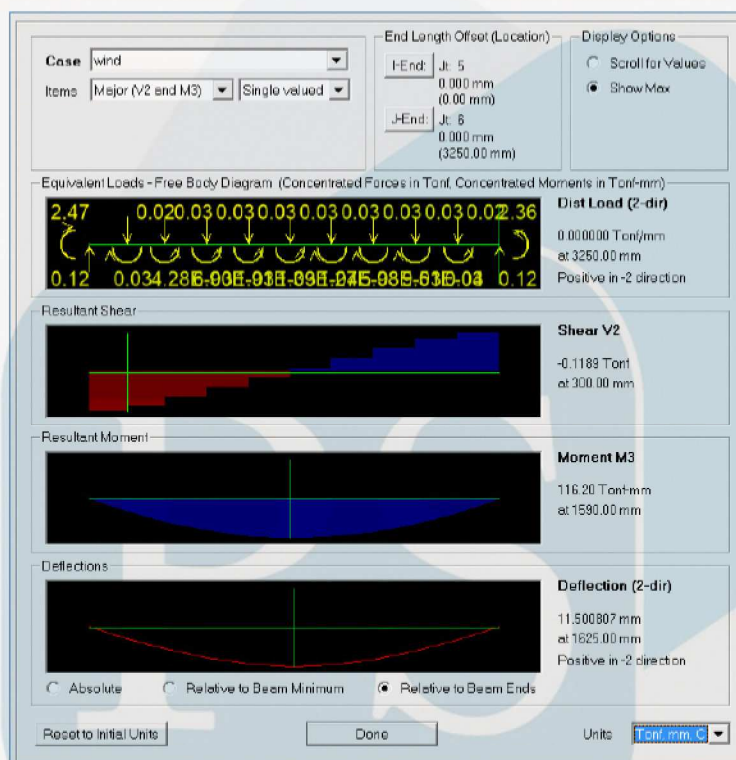
Deflection limit :

$L/175=$

$2200/175=$

12.57mm >

Actual Ok



Fixation height	Width	Allowable Def.	Actual Def.	Status
2m	1m	11.43mm	8.95mm	OK
2m	1.15m	11.43mm	10.43mm	OK
2m	1.25m	11.43mm	11.1mm	OK
2.1m	1m	12mm	9.74mm	OK
2.1m	1.1m	12mm	10.59mm	OK
2.1m	1.20m	12mm	11.73mm	OK
2.2m	1m	12.57mm	10.72mm	OK
2.2m	1.10m	12.57mm	11.51mm	OK

