

2012

english version



railings catalogue

ALUMINIUM EXTRUSION INDUSTRY

company profile

ALPAZ was established in 1982 and marked a new era in the aluminium production. Located in Inofita Industrial Zone – 40 km outside of Athens, it is ideally placed to serve the key markets of Europe as well as the Near and Far East.

From the beginning, the company's dedication was to combine tradition with modern technology. Due to the continuous efforts for perfecting quality and design, the company has been established as the leader in the cast aluminium sector with international recognition.

By using some of the most sophisticated casting equipment available, **ALPAZ** has gained recognition in both the local and overseas markets.

ALPAZ has also been awarded the **ISO 9001** as well as the **QUALICOAT** and **BUREAU VERITAS** quality certificates whilst the company's care for the environment has been accredited by the **ISO 14000**.

Today **ALPAZ** products are distributed in more than **60 countries** all over the world, and its currently involved in big project both in Greece as well as overseas Keeping in mind the demand for quality products and having as a goal to be always ahead of these demands as well as developing a reliable customer service, the company has recently completed a three year investment plan of a new 25.000 sq. m. plant and machinery.

THE PRODUCT

ALPAZ launched for the first time into the market, a new generation of cast aluminium products incorporating modern architectural requirements with classic design.

- In 1982 begins the production and marketing of a wide range of products such as cast aluminium railings, fences, gates and garden furniture.
- In 1984 the company extends its production with cast aluminum lighting posts, thus covering the needs of hotels, public areas and commercial centers.
- In 1990 for the first time in Greece, **ALPAZ** introduces the first aluminum panels
- By 2000, five new series of panels are included in the panel range, the **pressed panels**, the **traditional panels**, the **traditional safety doors**, the **security doors**, and the **inox panels**. Each one an achievement of each own.
- In 2003, **ALPAZ** extends its production in extrusion profiles and introduces a full range of aluminium profile systems, thus strengthening the position of the company in the market.
Today and in the future **ALPAZ** will continue to be a pioneer never failing to pursue high quality and service credibility.





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static tests

BVLPR 924.037

OBJECTIVE: Tests on Railings according to the French Standard NF PO1-013/1985

1. Static horizontal outward test.

Test phase	Deformation in mm				Standard NF PO1-013
	Pos.1	Pos.1	Pos.1	Pos.1	
Loading of 3 minutes	3	13	15	a2	
Loading of 15 minutes	4	22	23	3	
Remaining deformation	0,3	0,5	0,6	0,1	<8mm

2. Static horizontal inwards test. Deformation after 1 min loading=4,6mm.

Remaining deformation = 0.

Allowed (NF PO 1- 13) = < 3 mm.

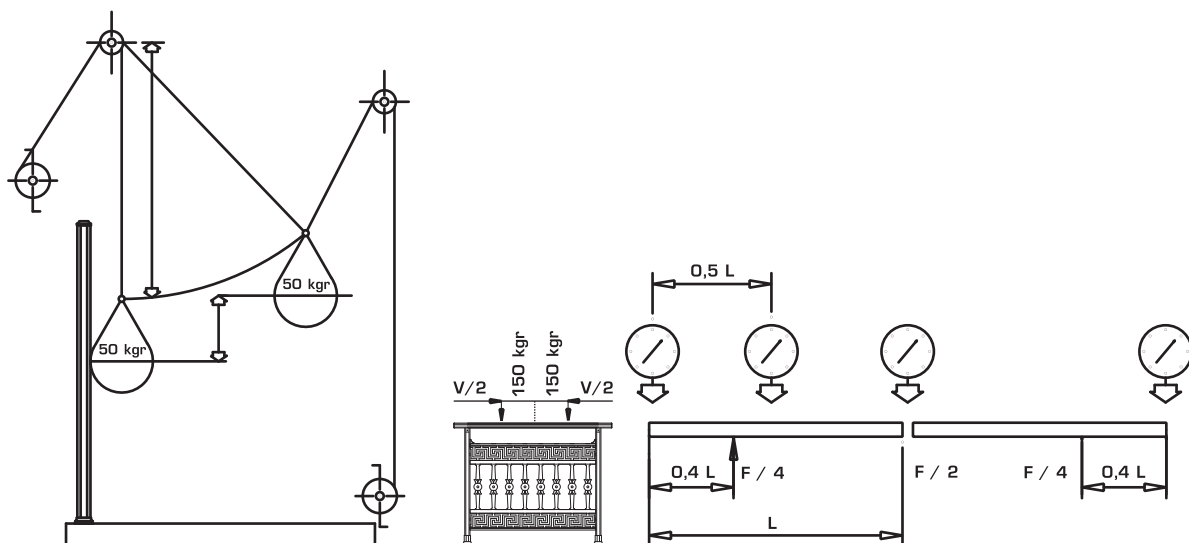
3. Static vertical test.

Remaining deformation = 0

Allowed (NF PO 1- 13) = < 3 mm.

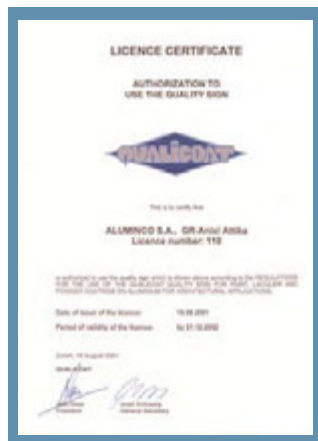
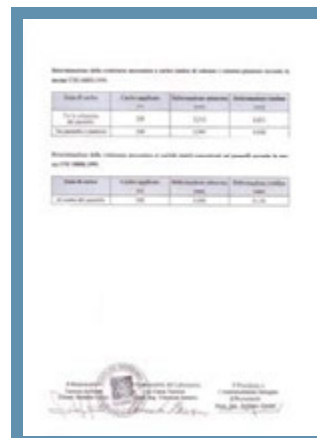
dynamic tests

There was no fall of debris to outside space.

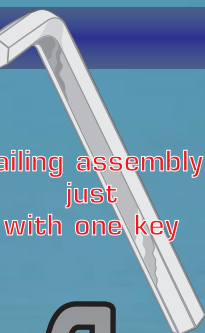


Conclusions

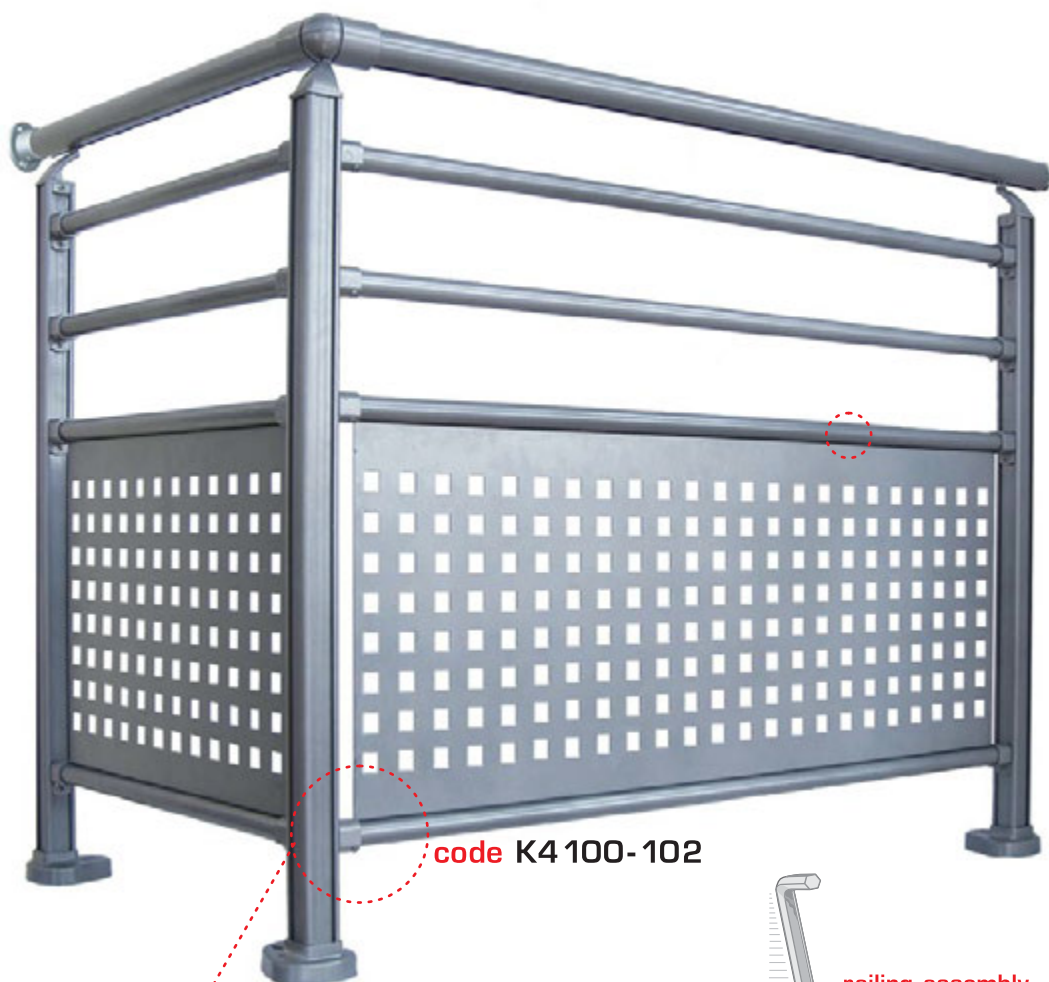
From the above results on rails which were tested it is clear that these products satisfy the French's Standards NF PO1-013 in rails for private and public use.



Railings assays have been made under Florida conditions, which are meant to be the hardest weather conditions of wind, strong rain, humidity and radiation towards the sun.



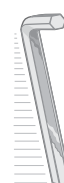
railing assembly
just
with one key



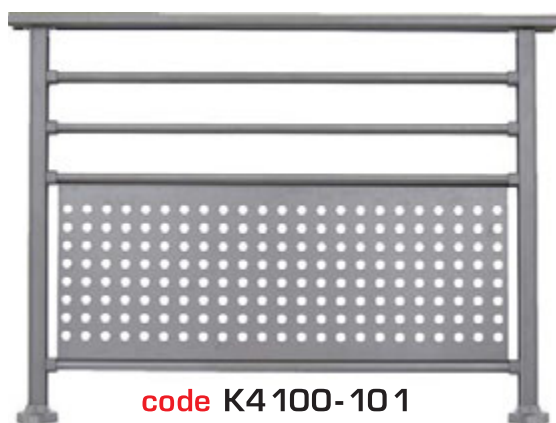
code K4 100-102



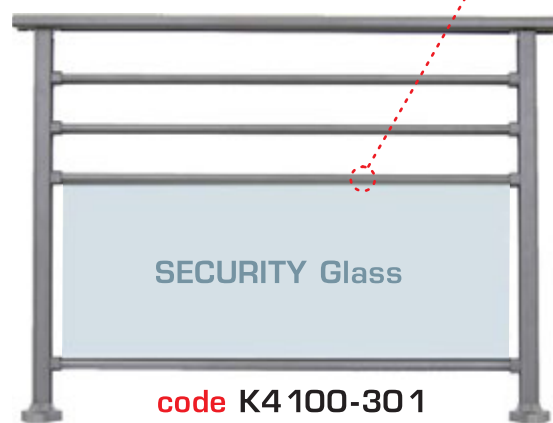
code 4202
column attachment
for guide $\Phi 26$



railing assembly
just
with one key



code K4 100-101



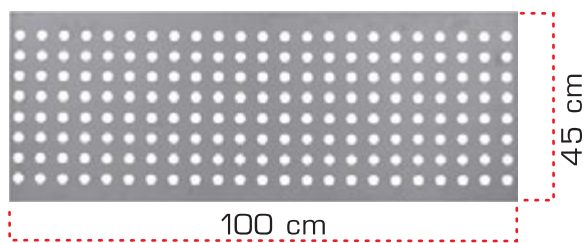
SECURITY Glass

code K4 100-301

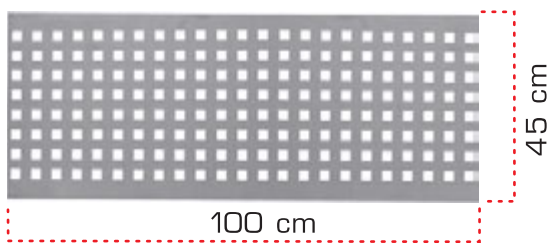


railing assembly
just
with one key

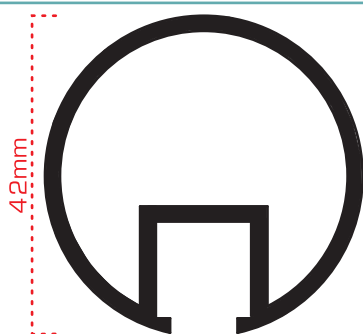
accessories



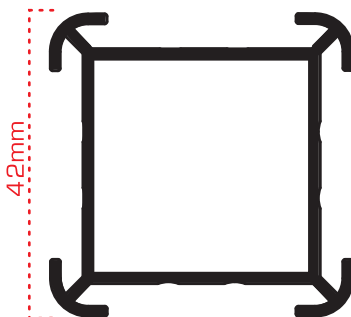
code L4501



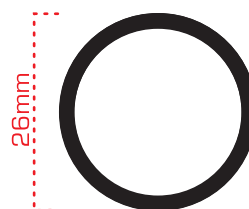
code L4502



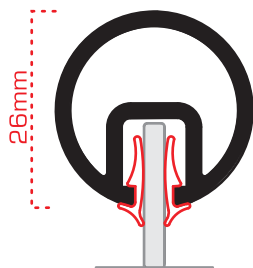
code 920
Φ42 railtop



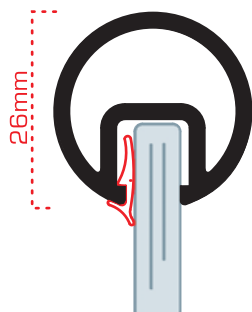
code 915
column



code 6-001
Φ26-horizontal profile.



code 904
for aluminium or inox sheet and
composite panel 2 mm - 3 mm



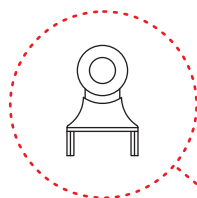
code 905
Φ26-for triplex glass 6 mm.



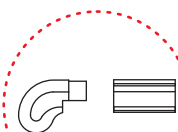
code 410-420
joint

avant garde stairs

code 4203
column to railtop
accessory



code 4406
staircase finish



code 15
railtop



code 4152 εξωτερικά πέλματα
για κολώνα 9 15
external feet
for column 9 15



code 4151

70mm

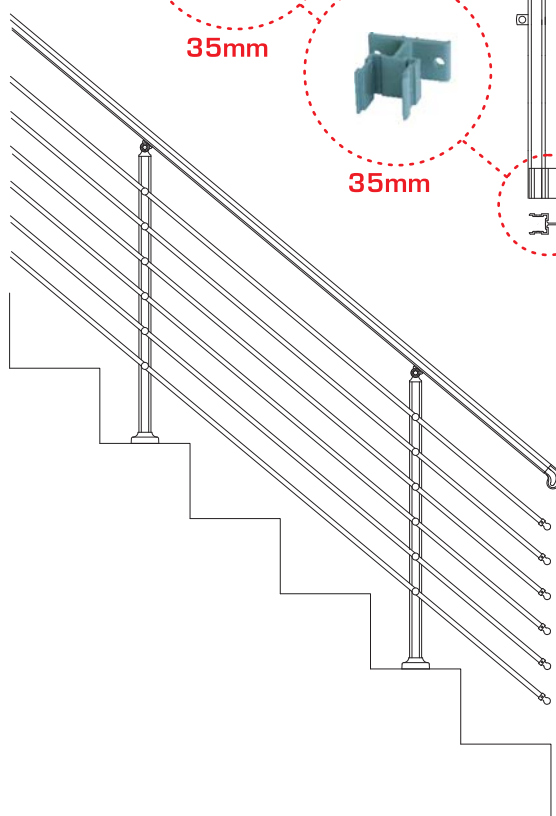


35mm

code 4150



35mm



code 920
Φ42 railtop



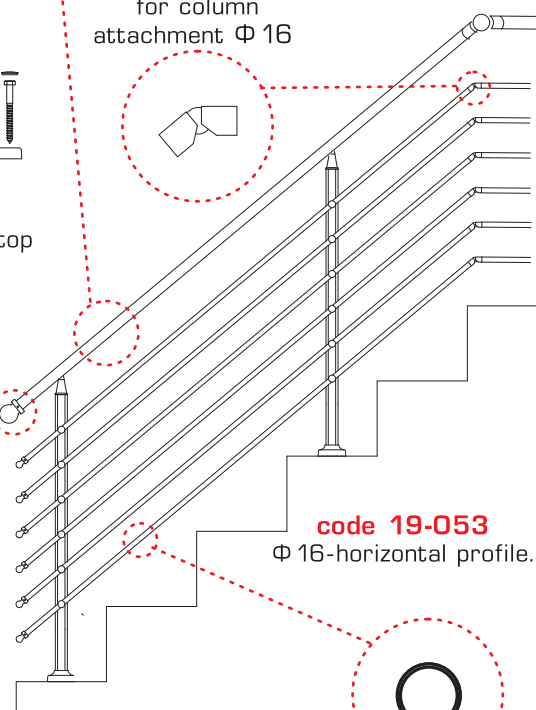
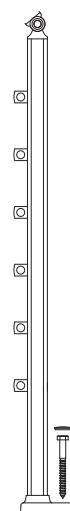
code 4302
adjustable corner
for column
attachment Φ 16

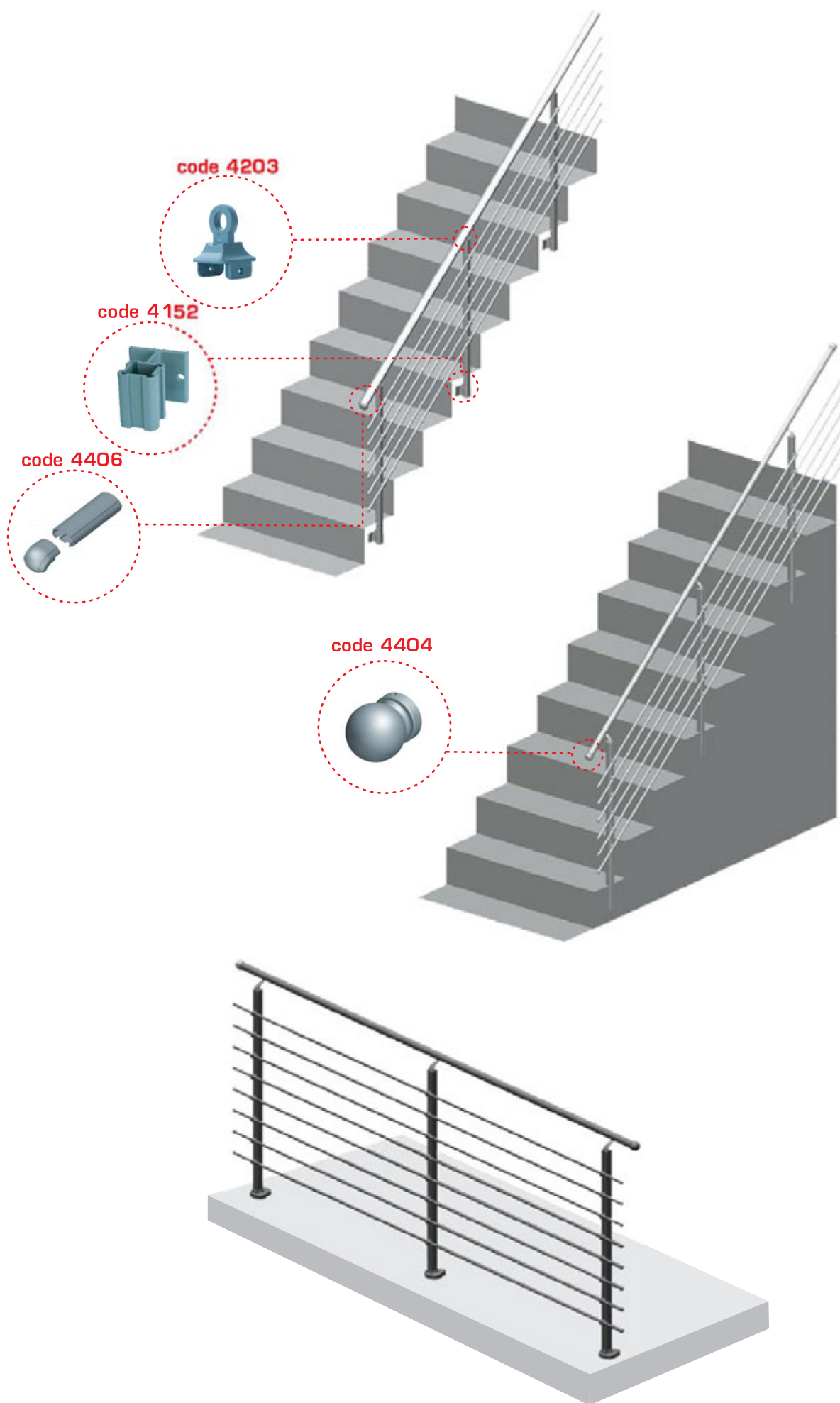


code 4404
end-cover for railtop
920



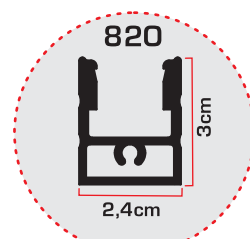
code 19-053
Φ 16-horizontal profile.



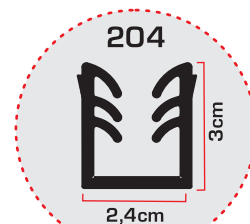




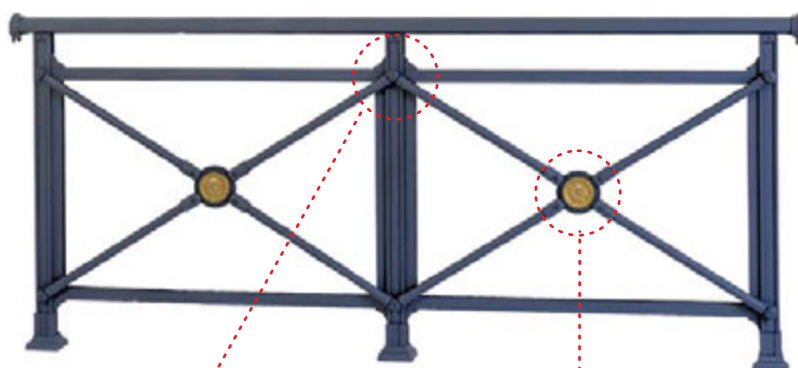
TRIPLEX glass pf 6mm



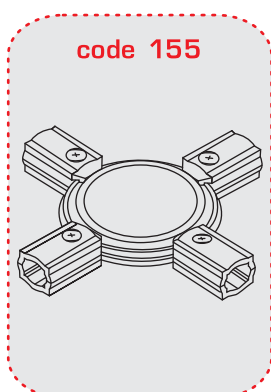
Glass guide



Glass rubber



CONNECTING ADJUSTABLE CORNER
FOR CODE No 207 & 159

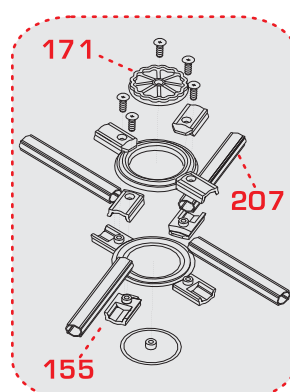


code 155



code 171

ROSSETE

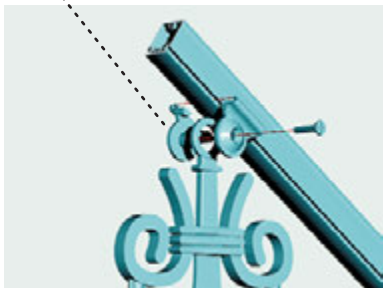


171

207

155

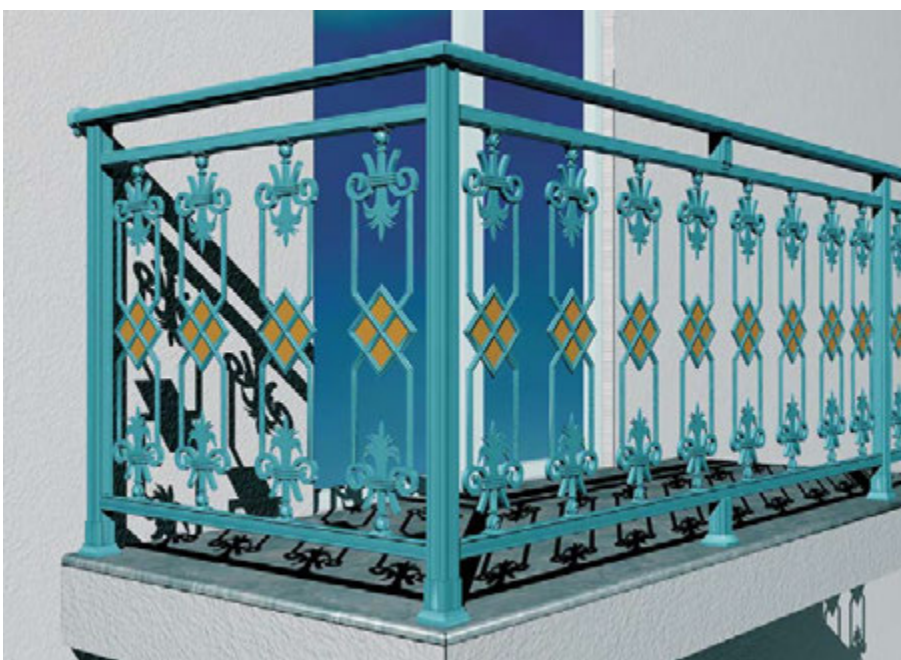
22 AL-FLEX CONNECTION



23 AL-FLEX GUIDE



AL-FLEX is an aluminium module with moveable heads on both ends, supported exclusively by the ALUMINCO SYSTEM.



Due to the AL-FLEX HEAD, the modules can be fixed on any surface e.g. Wood, wrought iron, or any aluminium profile.



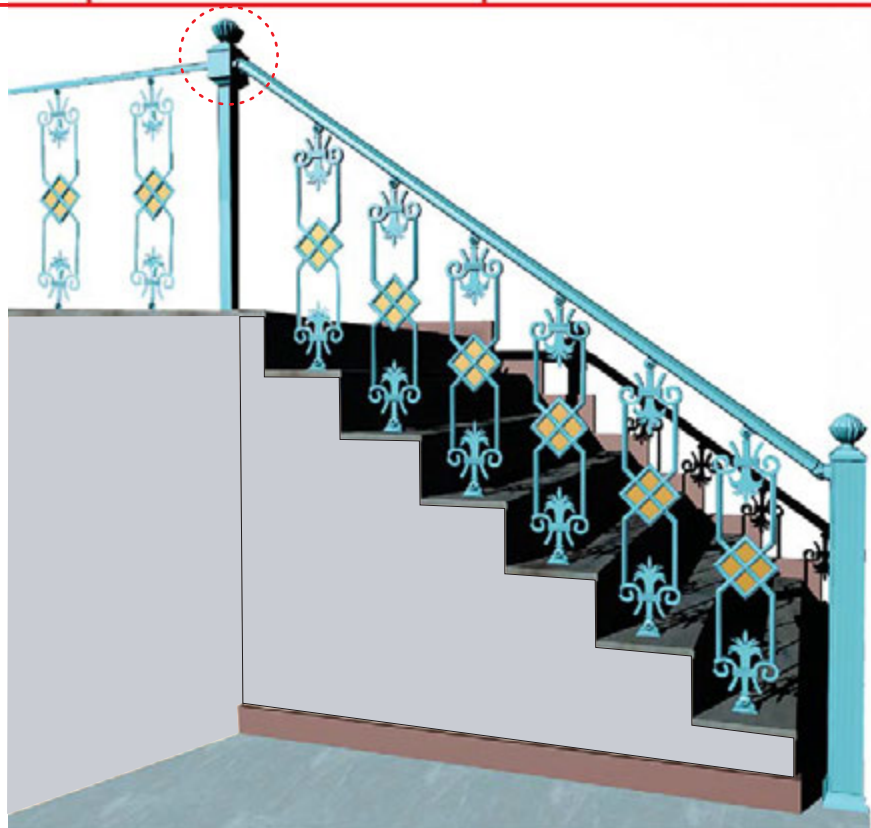
24 AL-FLEX HEAD

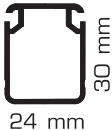
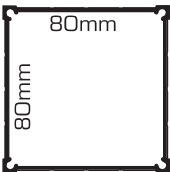
NOTE !!!

The accessories and the profiles are the same as in internal and external psatha.

assembly method of al-flex & accessories

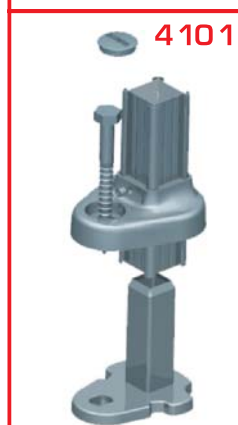
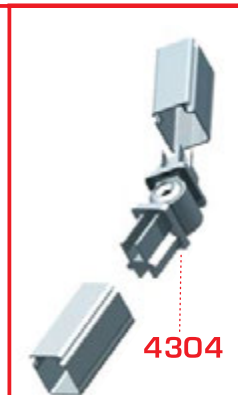
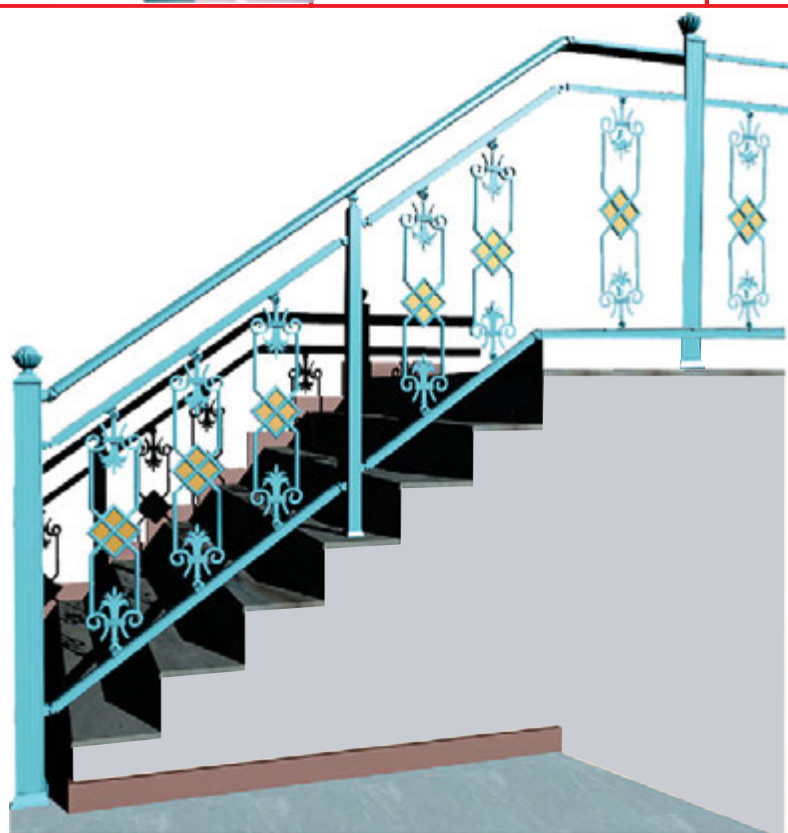
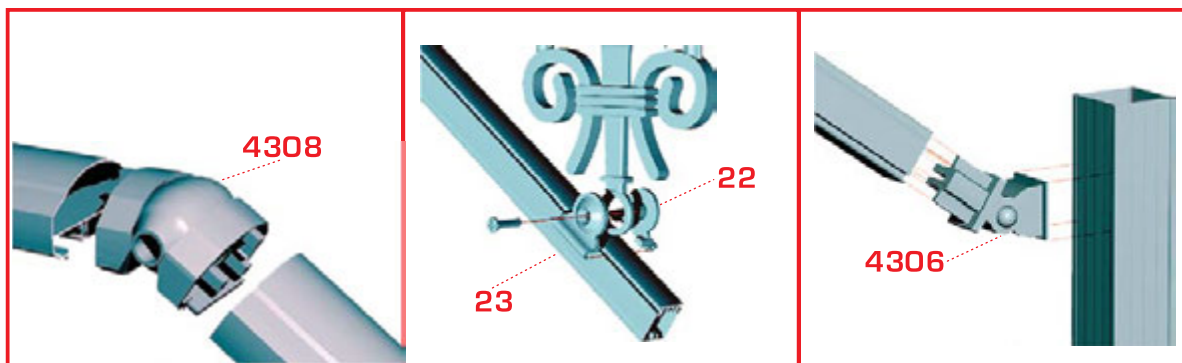
al-flex stairs

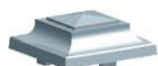


code 15 railtop  66 mm 36 mm	code 23 al-flex guide  24 mm 30 mm	code 25 column 80X80mm  80mm 80mm	code 4602 thirsus 	code 4603 thirsus 	
code 22 al-flex connection to railtop 	code 4203 column to railtop accessory 	code 4308 flexible railtop accessory 	code 4102 supporting base for column 25 	code 4306 horizontal & vertical connection (col-guide) 	code 4606 thirsus with column cover 

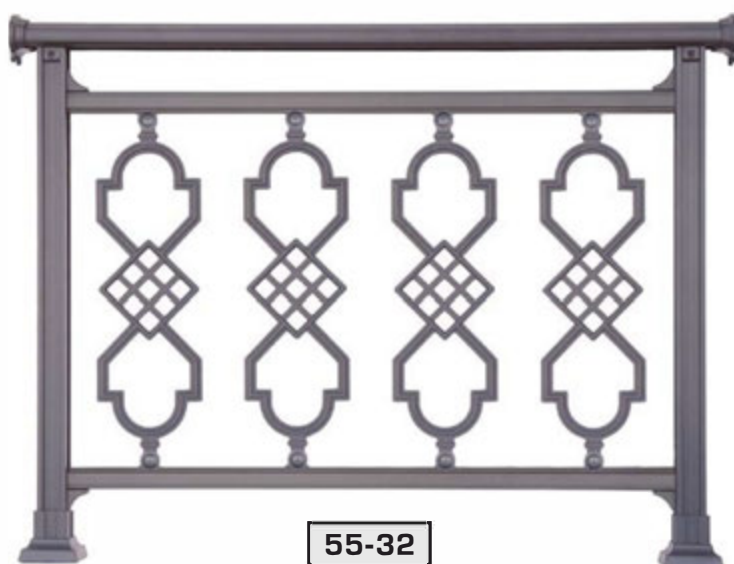
assembly method of al-flex & accessories

al-flex stairs



code 4601 cube 	code 4303 adjustable corner connection 	code 4406 staircase finish 	code 4153 wall railtop support 	supporting method with accessory 4 153 		
code 4304 horizontal corner guide connection 	code 4305 vertical corner guide connection 	code 4309 flexible railtop-col. accessory 	code 4605 cover for column 25 	code 4154 external support accessory 	code 37 ground fixation 	code 4307 horizontal corner connection (col-guide) 

- RHOMBUS -



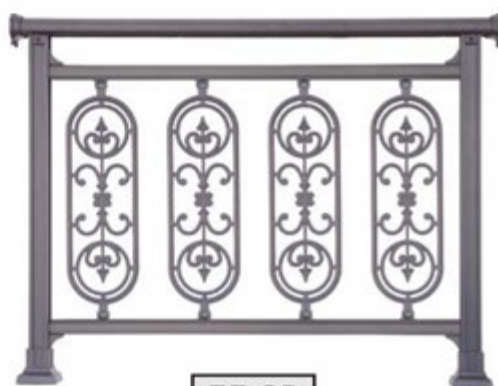
55-32

All **AL FLEX** models with the same height are combining together according to customer wants.

All **AL FLEX series 55** models, are 55 cm height. Appropriate railing dimensions.

minimum height **67 cm**
maximum height **85 cm**

- KORONA -



55-30

- MAKRIYANNI -



55-31

al-flex modules

15,5 cm



55-32 4 PCS/M

14 cm



55-31 4 PCS/M

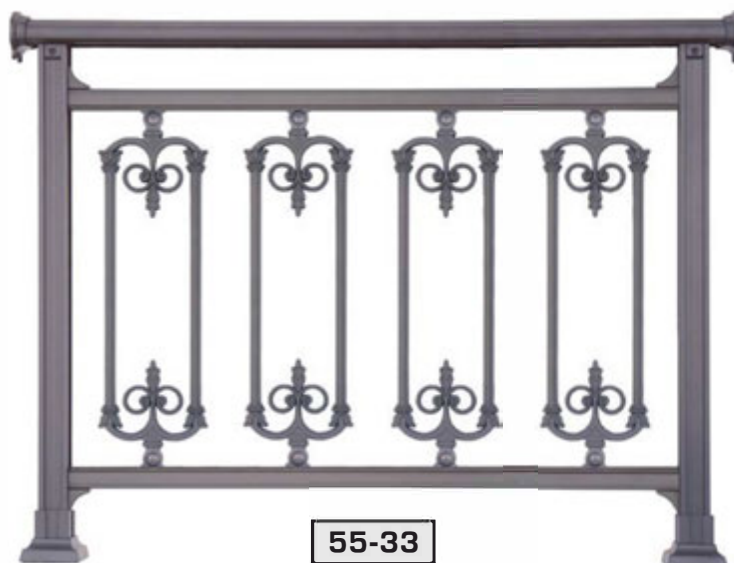
16 cm



55-30 4 PCS/M

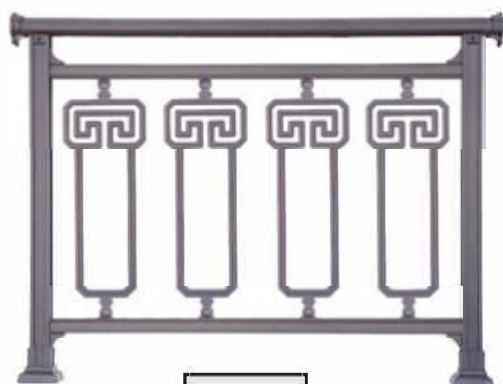
55 cm

- ROMAN -



55-33

- MEANDROS -



55-34

- LINEAR -



55-35

al-flex modules

16 cm



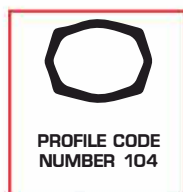
55-33 4 PCS/M

18 cm



55-34 4 PCS/M

2,2 cm



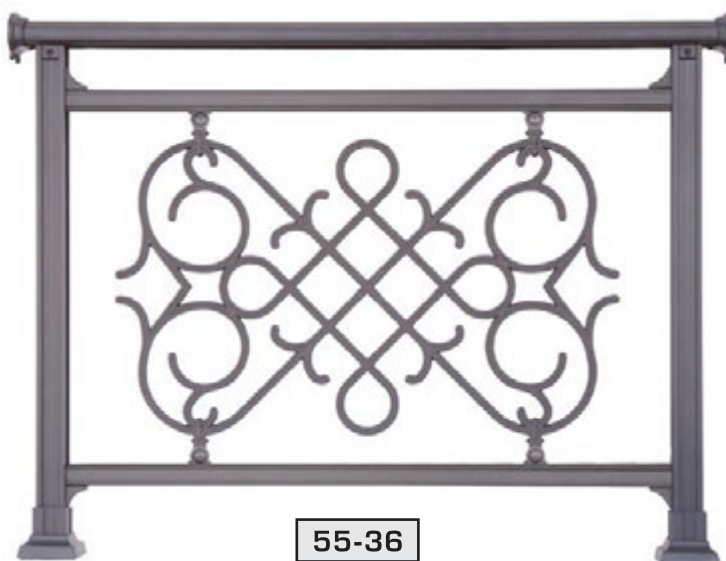
PROFILE CODE
NUMBER 104

55 cm

55-35 4 PCS/M

al-flex

- BYZANTINE -



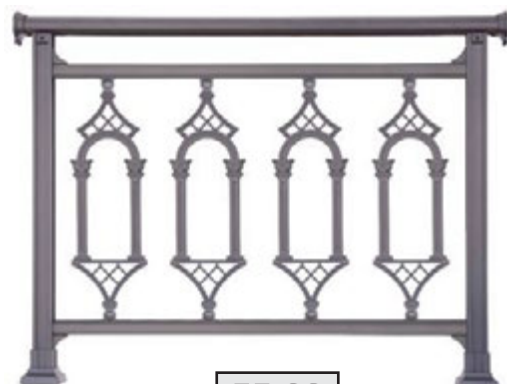
55-36

- KERAMIKOS -



55-37

- KAMARA -



55-38

al-flex modules

75 cm



55 cm

55-36 1 PCS/M

97 cm



55 cm

55-37 1 PCS/M

16,5 cm



55 cm

55-38 4 PCS/M

- ROCKA -



55-39

- KOLONATO -



55-40

- KRINOS -



55-41

al-flex modules

10,5 cm



55-39 4 PCS/M

14,5 cm



55-40 4 PCS/M

15 cm

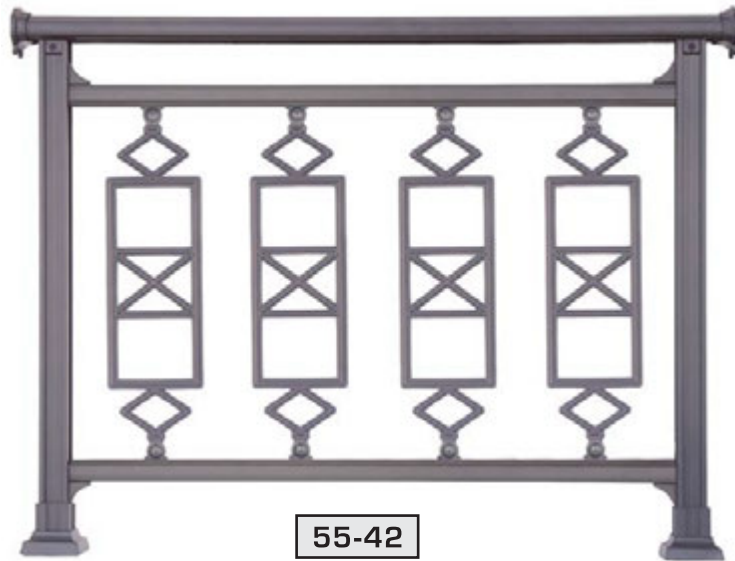


55-41 4 PCS/M

55 cm

al-flex

- ETHNIKIS -



55-42

- ERODIUS -



55-43

- MARGARITA CLASSIC -



55-44

al-flex modules

14,5 cm



55 cm

55-42 4 PCS/M

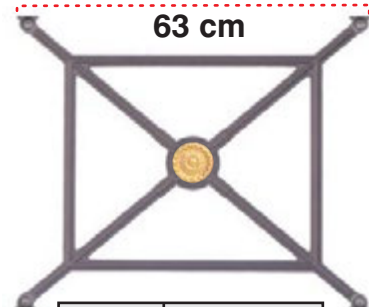
80 cm



55 cm

55-43 1 PCS/M

63 cm



55 cm

55-44 1 PCS/M

- CROWN -



55-46

- ASTERI -



55-47

- DRAGON -



55-45

al-flex modules

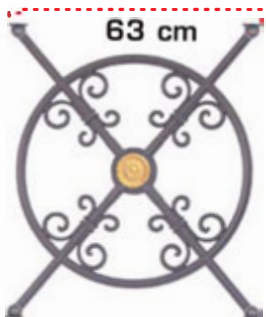
95 cm

7 cm



55-45 1 PCS/M

55 cm



55-46 1 PCS/M

55 cm



55 cm

55-47 1 PCS/M

al-flex

- ASTERI -



65-30

All **AL FLEX** models with the same height are combining together according to customer wants.

All **AL FLEX series 65** models, are 55 cm height. Appropriate railing dimensions.

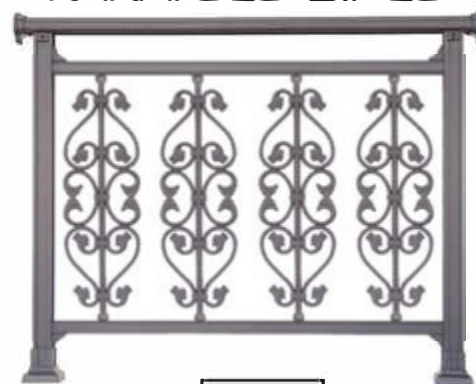
minimum height **77 cm**
maximum height **95 cm**

- APERITO -



65-31

- KARAVOLO DIPLO -



65-32

al-flex modules

7 cm



65-30 7 PCS/M

19 cm



65-31 4 PCS/M

19 cm



65-32 4 PCS/M

65 cm

- LINEAR -



65-33

- SAITA -



65-34

- VENITIAN -



65-35

al-flex modules

2,2 cm



PROFILE CODE
NUMBER 104

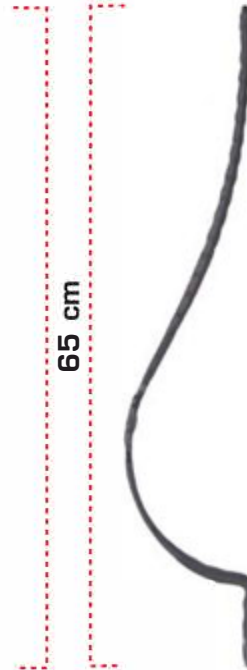
15,5 cm



5 cm



11,5 cm



65 cm

65-33 9 PCS/M

65-34 4 PCS/M

65-35 6 PCS/M

al-flex

- MARGARITA CLASSIC -



65-36

- CROWN -



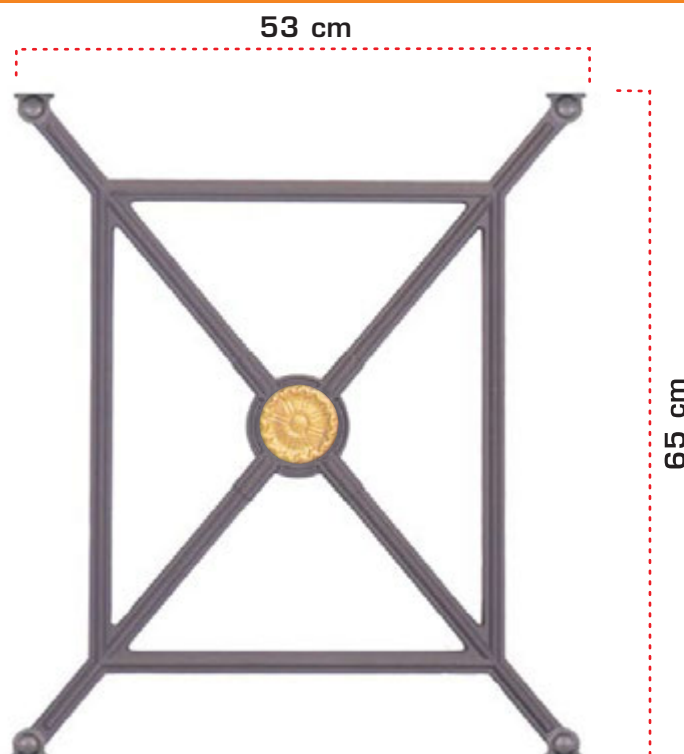
65-37

- DOLPHIN -

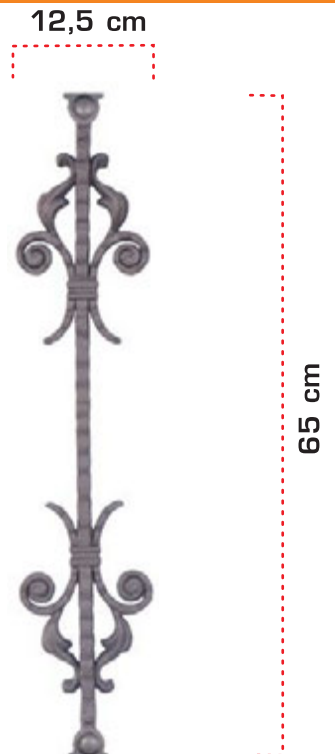


65-38

al-flex modules

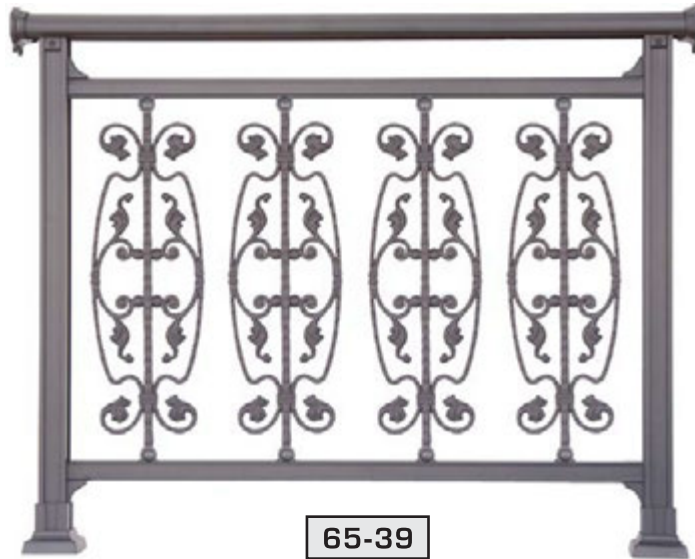


65-36 1 PCS/M



65-38 5 PCS/M

- PHYLARAKI -



65-39

- AKANTHOS -



65-41

- EROTAS -



65-42

al-flex modules

19,5 cm

32 cm

106,5 cm



65-39 4 PCS/M



65-41 3 PCS/M



65-42 1 PCS/M



65-37 1 PCS/M

65 cm

65 cm

65 cm

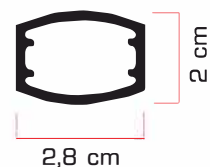
al-flex

- LINEAR -



CODE	DIMENSIONS
55-50	55cm
65-45	65cm
75-41	75cm
85-50	85cm

PROFILE CODE NUMBER 828



- PIGASOS -



65-44

- KYKNOS -



65-43

al-flex modules

62 cm



65-43 1 PCS/M

56 cm



65-44 1 PCS/M

65 cm

- MESEONIKO -



75-30

- VIENNA -



75-31

- ROMAN -



75-32

al-flex modules

17 cm



20 cm



16 cm



75 cm

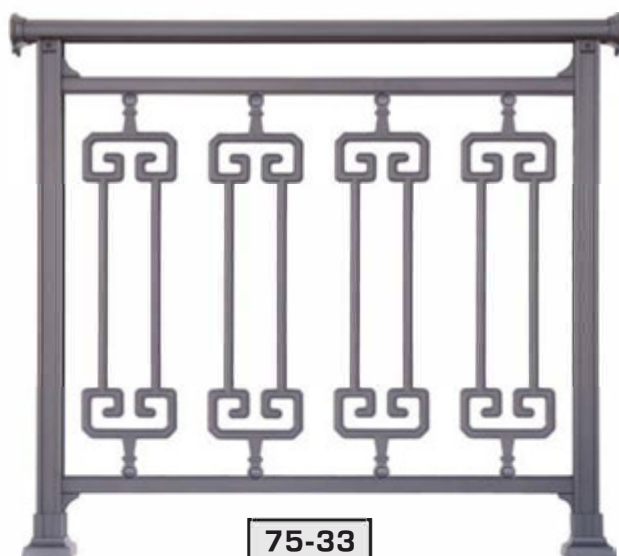
75-30 4 PCS/M

75-31 4 PCS/M

75-32 4 PCS/M

al-flex 75

- MEANDROS -



All **AL FLEX** models with the same height are combining together according to customer wants.

All **AL FLEX** series **75** models, are 55 cm height. Appropriate railing dimensions.

minimum height **87 cm**

maximum height **105 cm**

- LINEAR -



- BRONZE CLASSIC -



al-flex modules

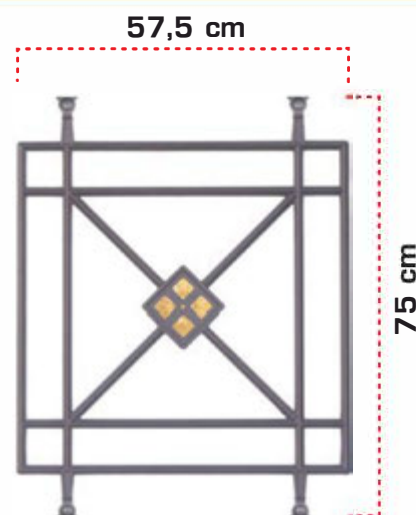


2,2 cm



PROFILE CODE
NUMBER 104

75 cm



75-33 4 PCS/M

75-34 9 PCS/M

75-35 1 PCS/M

- PERGOLA -



75-36

- HARP -



75-37

- BOUQUET -



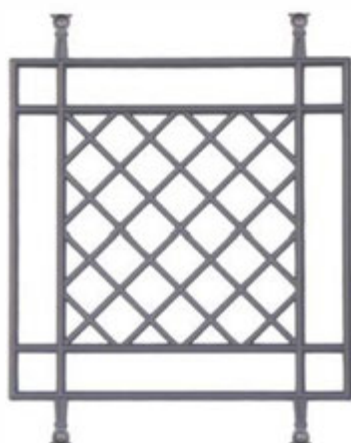
75-38

al-flex modules

57,5 cm

56 cm

50 cm



75 cm

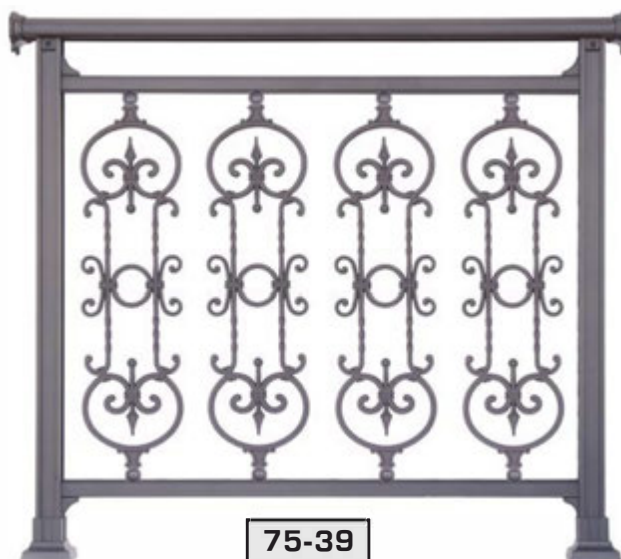
75-36 1 PCS/M

75-37 1 PCS/M

75-38 1 PCS/M

al-flex 75

- STRIATO -



75-39

- TULIP -



75-40

- ASTERI -



75-42

al-flex modules

19 cm



75-39 4 PCS/M

17 cm



75-40 4 PCS/M

7 cm



75-42 9 PCS/M

75 cm

- AYIOKILIMA -



85-30

- LOUVRE -



85-31

- HERAKI -



85-32

al-flex modules

25 cm



85-30 3 PCS/M

25 cm



85-31 3 PCS/M

18 cm

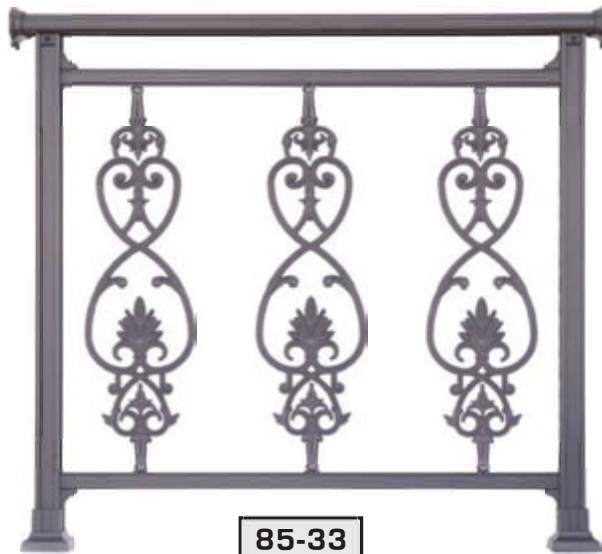


85-32 4 PCS/M

85 cm

al-flex

- AKROKERAMO -



85-33

All **AL FLEX** models with the same height are combining together according to customer wants.

All **AL FLEX** series **85** models, are 55 cm height. Appropriate railing dimensions.

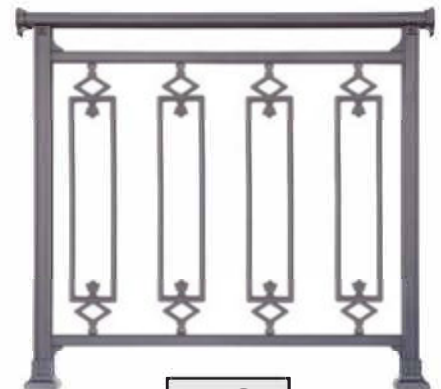
minimum height **97 cm**
maximum height **115 cm**

- KAMARA -



85-34

- KOLONATO -



85-35

al-flex modules

23,5 cm



85-33 3 PCS/M

17 cm



85-34 4 PCS/M

14,5 cm



85-35 4 TEM/M

85 cm

- ROCKA -



85-36

- KRINOS -



85-37

- LINEAR -



85-38

al-flex modules

10,5 cm



19,5 cm



2,2 cm



PROFILE CODE
NUMBER 104

85 cm

85-36 6 PCS/M

85-37 4 PCS/M

85-38 9 PCS/M

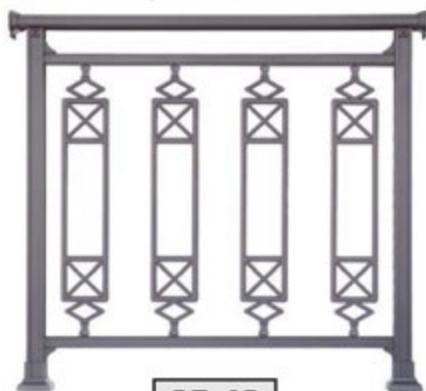
al-flex

- KORONA -



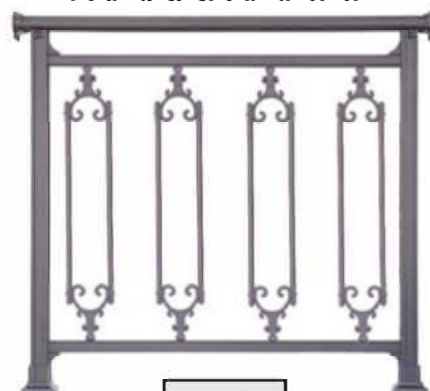
85-39

- ETHNIKIS -



85-40

- MAKRIYANNI -



85-41

al-flex modules

16 cm



85-39 4 PCS/M

14,5 cm



85-40 4 PCS/M

14,5 cm



85-41 4 PCS/M

85 cm

- SAITA -



85-42

- ARROW -



85-43

- ASTERI A -



85-44

- ASTERI B -



85-45

al-flex modules

8 cm



8 cm



6,5 cm



6,5 cm



85 cm

85-42	6 PCS/M	85-43	6 PCS/M	85-44	7 PCS/M	85-45	7 PCS/M
-------	---------	-------	---------	-------	---------	-------	---------

al-flex

- MINOAN A -



85-46

- MINOAN B -



85-47

- SUN -



85-48

- DILOS -



85-49

al-flex modules

4 cm



4 cm



5 cm



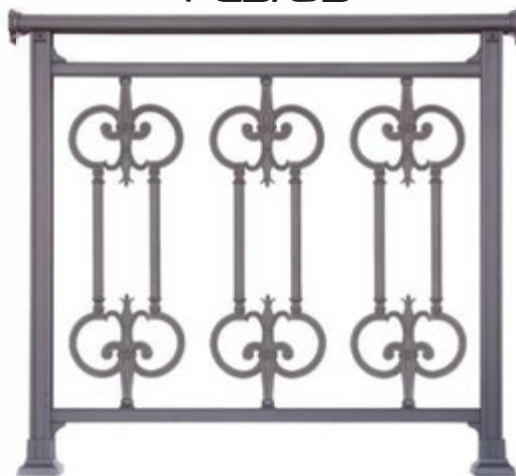
4 cm



85 cm

85-46	7 PCS/M	85-47	7 PCS/M	85-48	7 PCS/M	85-49	7 PCS/M
-------	---------	-------	---------	-------	---------	-------	---------

- FESTOS -



85-52

- KNOSSOS -



85-51

al-flex modules

24,5 cm

23 cm



- FESTOS -

CODE	DIMENSIONS
65-47	65cm
75-44	75cm
85-52	85cm

85-52 3 PCS/M



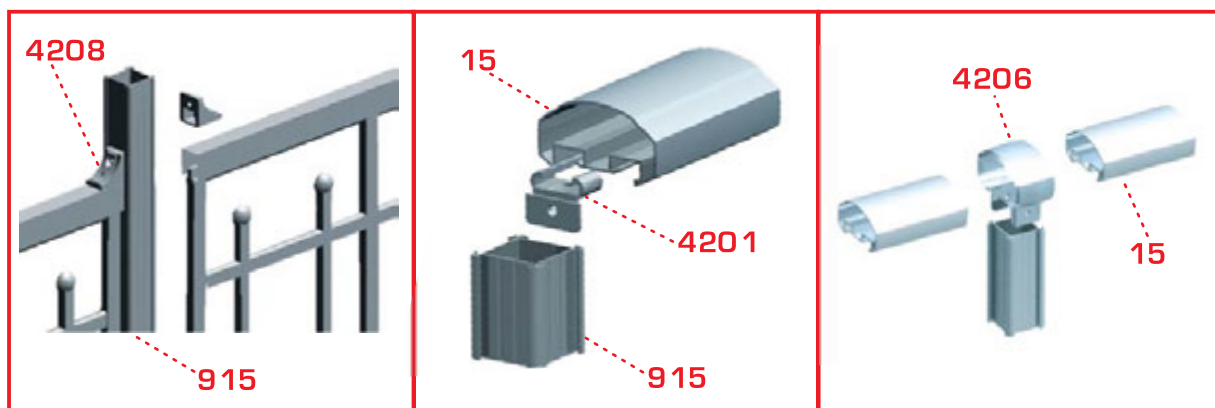
- KNOSSOS -

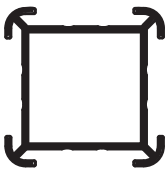
CODE	DIMENSIONS
65-46	65cm
75-43	75cm
85-51	85cm

85-51 3 PCS/M

85 cm

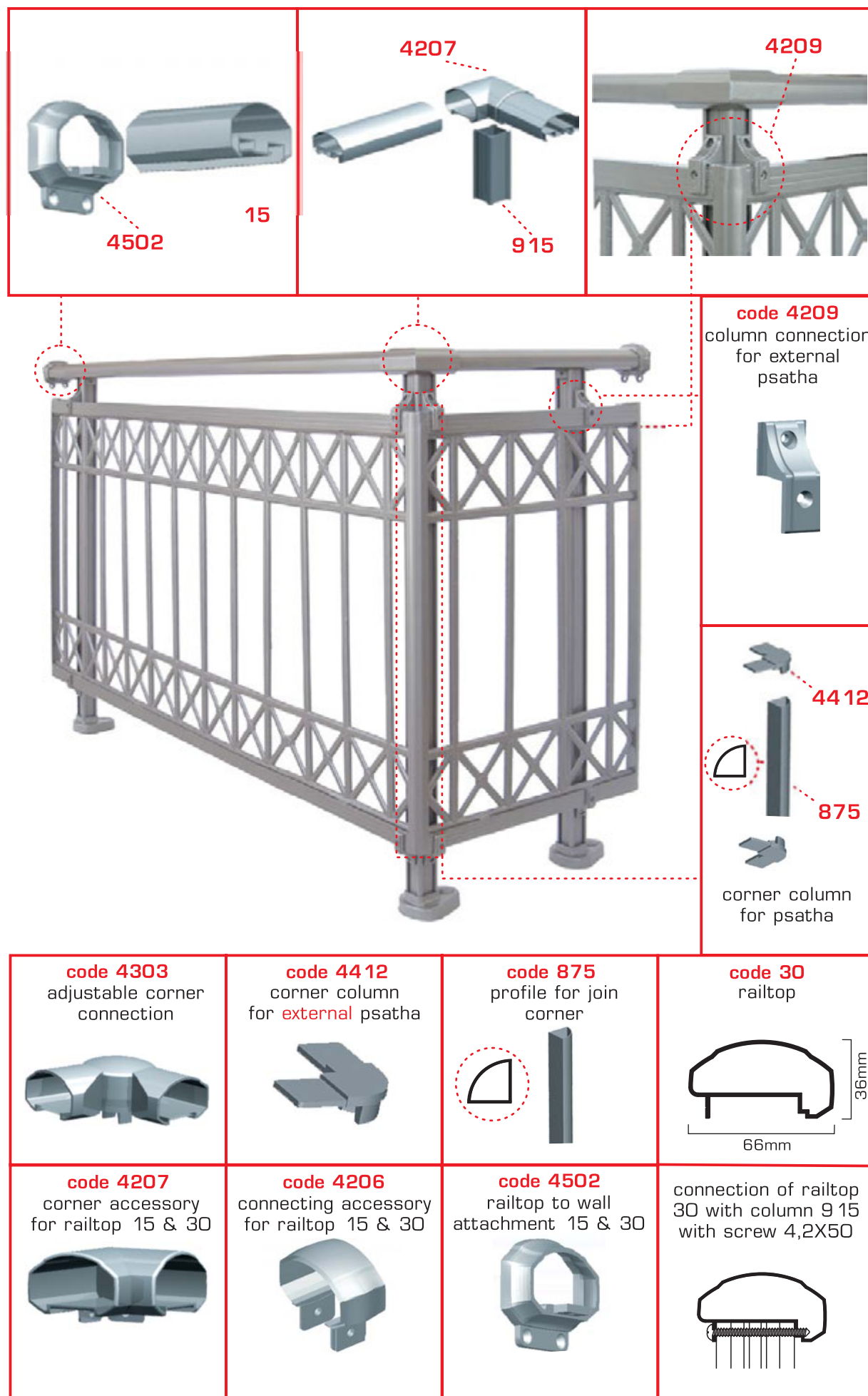
al-flex



 code 4405	 code 4201 connection for railtop-column	 code 4211 connection for railtop-column	 code 4208 column connection for internal psatha
 code 15 railtop 66 mm 36 mm	 code 915 column	 code 4405 railtop cover	 code 4204 intermediate column connection with guide

assembly method of psatha & accessories

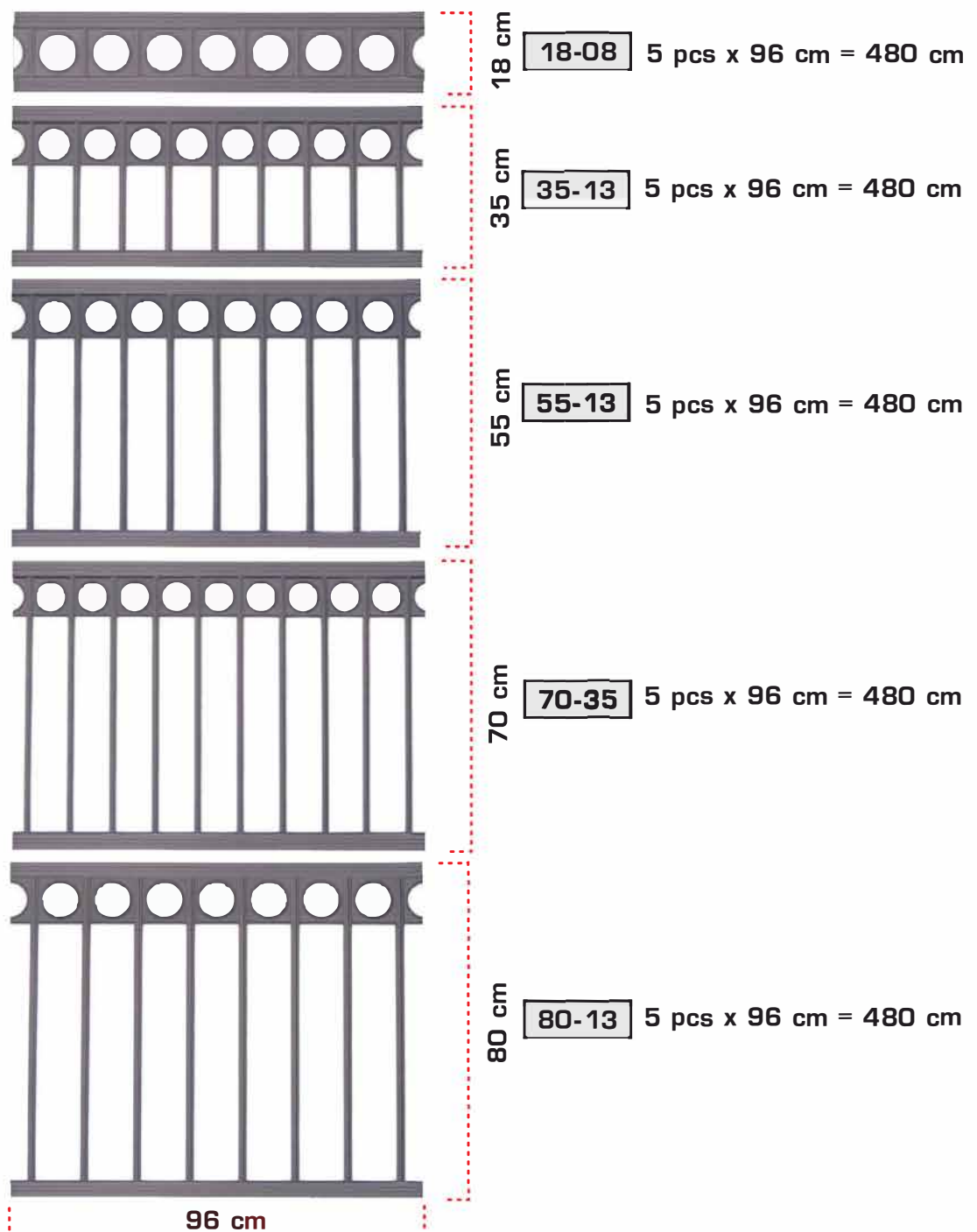
external psatha



Rail height
30 - 110 cm



psatha modules



Rail height
30 - 110 cm



psatha modules

	19 cm	19-02	ETHNIKIS 5 pcs x 96 cm = 480 cm
	35 cm	35-06	NEOKLASSIKO B 5 pcs x 96 cm = 480 cm
	55 cm	55-03	ETHNIKIS A 5 pcs x 96 cm = 480 cm
	70 cm	70-11	ETHNIKIS 5 pcs x 96 cm = 480 cm
	80 cm	80-01	NEOKLASSIKO 5 pcs x 96 cm = 480 cm

96 cm

ettrikis

Rail height
30 - 110 cm



psatha modules



19 cm

19-06

MAKRIYIANNI
5 pcs x 96 cm = 480 cm



35 cm

35-03

MAKRIYIANNI B
5 pcs x 96 cm = 480 cm



55 cm

55-05

MAKRIYIANNI A
5 pcs x 96 cm = 480 cm



70 cm

70-13

MAKRIYIANNI
5 pcs x 96 cm = 480 cm



80 cm

80-23

5 pcs x 96 cm = 480 cm

96 cm

makriyianni

Rail height
30 - 100 cm



psatha modules

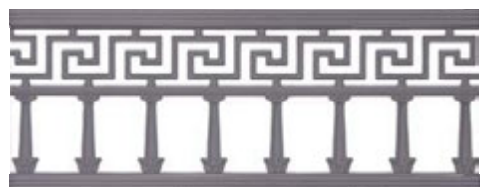


18 cm

18-01

MEANDROS

5 pcs x 96 cm = 480 cm

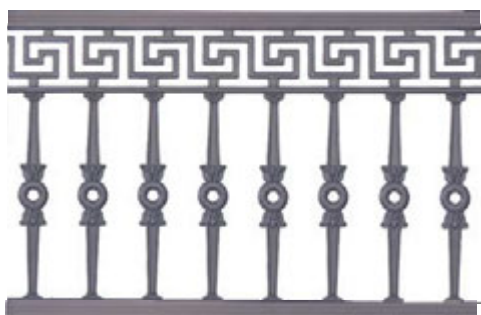


35 cm

35-05

ATHENIAN B

5 pcs x 96 cm = 480 cm

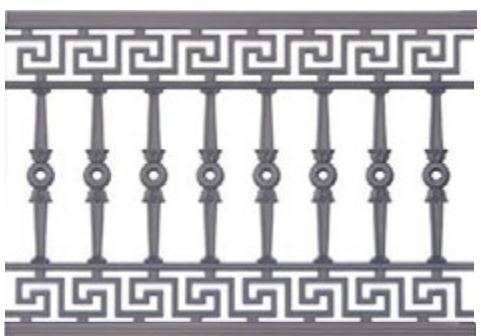


55 cm

55-08

ATHENIAN A

5 pcs x 96 cm = 480 cm



70 cm

70-25

ATHENIAN

5 pcs x 96 cm = 480 cm

96 cm

aluminco

Rail height
30 - 100 cm



psatha modules



15 cm

15-03

KIMATAKI

5 pcs x 96 cm = 480 cm



35 cm

35-07

GARLAND

5 pcs x 96 cm = 480 cm



55 cm

55-07

GARLAND A

5 pcs x 96 cm = 480 cm



70 cm

70-26

GARLAND

5 pcs x 96 cm = 480 cm

96 cm

Rail height
30 - 100 cm



psatha modules



16 cm

16-04

KAMARA

5 pcs x 96 cm = 480 cm



35 cm

35-01

KAMARA B

5 pcs x 96 cm = 480 cm



55 cm

55-02

KAMARA A

5 pcs x 96 cm = 480 cm



70 cm

70-12

KAMARA

5 pcs x 96 cm = 480 cm

96 cm

aluminco

Rail height
45 - 110 cm



psatha modules



35 cm

35-17

5 pcs x 96 cm = 480 cm



55 cm

55-18

5 pcs x 96 cm = 480 cm



70 cm

70-33

5 pcs x 96 cm = 480 cm



80 cm

80-22

5 pcs x 96 cm = 480 cm

96 cm

Rail height
45 - 110 cm



psatha modules



35 cm

35-02

VIENNA B

5 pcs x 96 cm = 480 cm



55 cm

55-01

VIENNA A

5 pcs x 96 cm = 480 cm



70 cm

70-24

VIENNA

5 pcs x 96 cm = 480 cm



80 cm

80-24

5 pcs x 96 cm = 480 cm

96 cm

vienna

Rail height
45 - 110 cm



psatha modules



35 cm

35-09 5 pcs x 96 cm = 480 cm



50 cm

50-01 5 pcs x 96 cm = 480 cm



70 cm

70-29 5 pcs x 96 cm = 480 cm



80 cm

80-07 5 pcs x 96 cm = 480 cm

96 cm

Rail height
60 - 110 cm



psatha modules



50 cm

50-02

5 pcs x 96 cm = 480 cm



70 cm

70-30

5 pcs x 96 cm = 480 cm



80 cm

80-08

5 pcs x 96 cm = 480 cm

96 cm

restos

Rail height
90 - 110 cm



psatha modules



80 cm

KYTHNOS

80-17

5 pcs x 96 cm = 480 cm



70 cm

70-31

5 pcs x 96 cm = 480 cm



80 cm

80-09

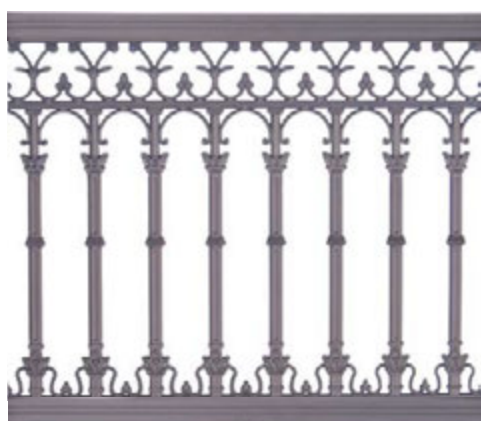
5 pcs x 96 cm = 480 cm

96 cm

Rail height
90 - 110 cm



psatha modules



80 cm

80-05 5 pcs x 96 cm = 480 cm



80 cm

80-03 LINEAR
5 pcs x 96 cm = 480 cm



80 cm

80-11 MINOAN A
5 pcs x 96 cm = 480 cm

96 cm

aluminco

Rail height
45 - 110 cm



psatha modules



35 cm

35-15

5 pcs x 96 cm = 480 cm



55 cm

55-15

5 pcs x 96 cm = 480 cm



70 cm

70-37

5 pcs x 96 cm = 480 cm



80 cm

80-19

5 pcs x 96 cm = 480 cm

96 cm

Rail height
45 - 110 cm



psatha modules



35 cm

35-08 5 pcs x 96 cm = 480 cm



55 cm

55-09 5 pcs x 96 cm = 480 cm



70 cm

70-28 5 pcs x 96 cm = 480 cm



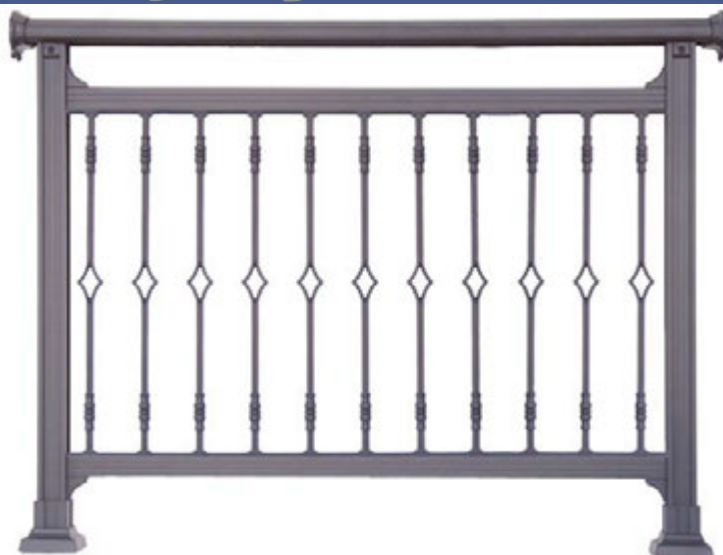
80 cm

80-06 5 pcs x 96 cm = 480 cm

96 cm

aluminco

Rail height
45 - 110 cm



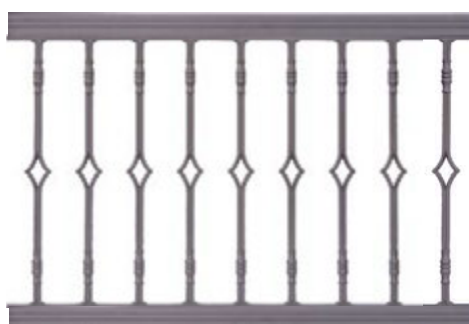
psatha modules



35 cm

35-14

5 pcs x 96 cm = 480 cm



55 cm

55-17

5 pcs x 96 cm = 480 cm



70 cm

70-36

5 pcs x 96 cm = 480 cm



80 cm

80-18

5 pcs x 96 cm = 480 cm

96 cm

Rail height
45 - 110 cm



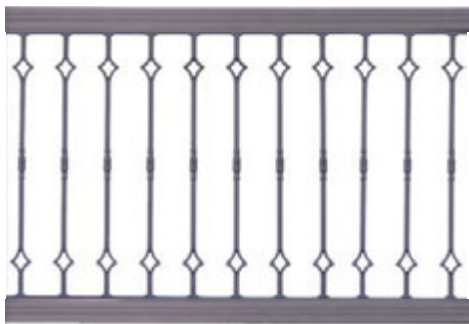
psatha modules



35 cm

35-16

5 pcs x 96 cm = 480 cm



55 cm

55-16

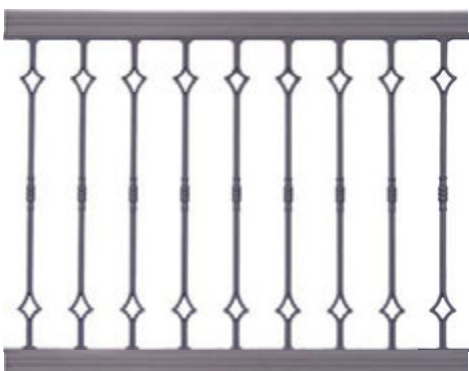
5 pcs x 96 cm = 480 cm



70 cm

70-34

5 pcs x 96 cm = 480 cm



80 cm

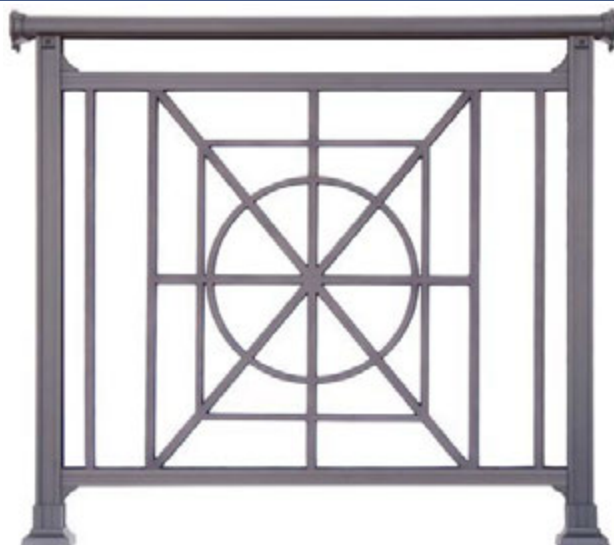
80-10

5 pcs x 96 cm = 480 cm

96 cm

estere B

Rail height
90 - 110 cm



psatha modules



80 cm

EFESSOS

80-14

5 pcs x 96 cm = 480 cm



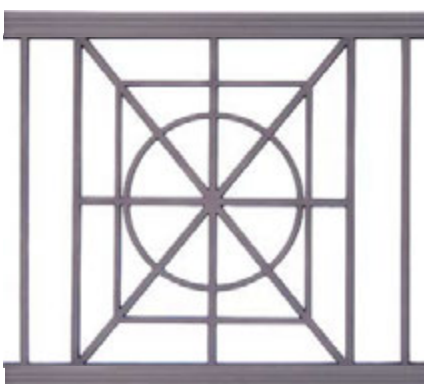
80 cm

AMFOREAS

80-15

5 pcs x 100 cm = 500 cm

100 cm



80 cm

GEOMETRIC

80-21

5 pcs x 96 cm = 480 cm

96 cm

Rail height
45 - 80 cm



psatha modules

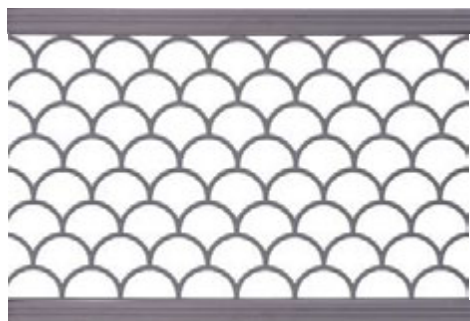


35 cm

35-12

5 pcs x 96 cm = 480 cm

VEDALIA



55 cm

55-12

5 pcs x 96 cm = 480 cm

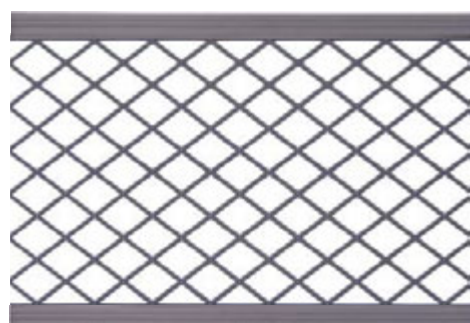


35 cm

35-11

5 pcs x 96 cm = 480 cm

CHIASTI



50 cm

55-14

5 pcs x 96 cm = 480 cm

96 cm

vedalia-chiasti

Rail height
35 - 100 cm



psatha modules



16 cm

14-05

CHIASTI

5 pcs x 96 cm = 480 cm



35 cm

35-04

KOLONATO B

5 pcs x 96 cm = 480 cm



55 cm

55-04

KOLONATO A

5 pcs x 96 cm = 480 cm



70 cm

70-01

KOLONATO

5 pcs x 96 cm = 480 cm

Combined with:
70-05
70-06
70-07

96 cm

Rail height
80 - 100 cm



psatha modules



70 cm

70-02

ROCKA

5 pcs x 96 cm = 480 cm

Combined with: 70-05
70-06
70-07



70 cm

70-03

KRINOS

5 pcs x 96 cm = 480 cm

Combined with: 70-05
70-06
70-07



70 cm

70-04

KORONA WITH RHOMBUS

5 pcs x 96 cm = 480 cm

Combined with: 70-05
70-06
70-07

96 cm

aluminco

Rail height
80 - 100 cm



psatha modules



84 cm

70 cm

70-05

HERON

2 pcs x 108 cm = 216 cm

Combined with: 70-01
70-02
70-03
70-04



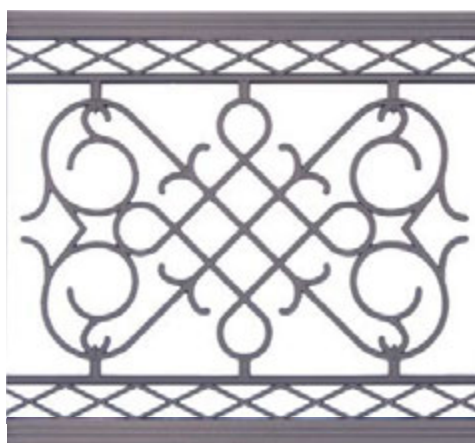
96 cm

70 cm

70-06

DRAGON

Combined with: 70-01
70-02
70-03
70-04



84 cm

70 cm

70-07

Combined with:

70-01
70-02
70-03
70-04

Rail height
30 - 100 cm



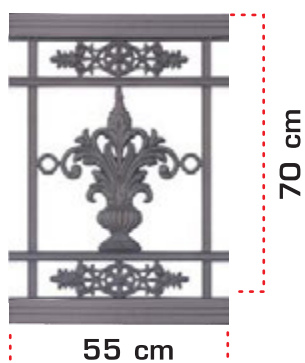
psatha modules



17-07

ROZETTE

5 pcs x 84 cm = 420 cm



70-21

FLOWER POT

9 pcs x 55 cm = 495 cm

Combined with: 70-10
70-20



70-20

2 pcs x 108 cm = 216 cm

Combined with: 70-21
70-10

Qeirikovlæð

Rail height
30 - 110 cm



psatha modules



19 cm

19-09 5 pcs x 96 cm = 480 cm
Combined with: 80-04
70-38



70 cm

70-38 5 pcs x 96 cm = 480 cm



80 cm

80-04



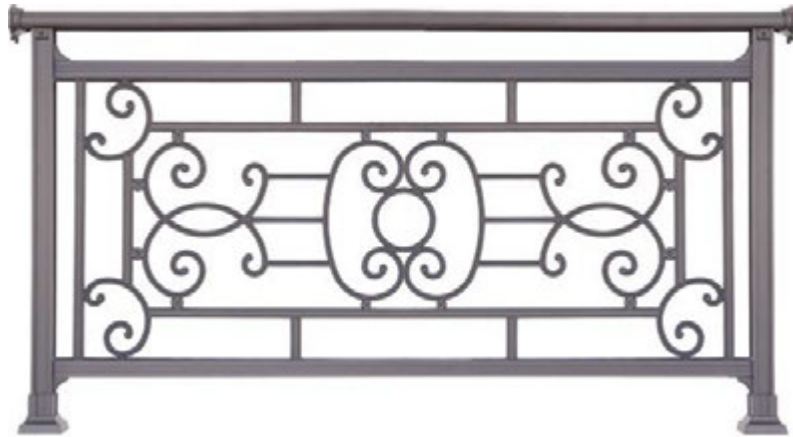
70 cm

70-10 5 pcs x 96 cm = 480 cm
Combined with: 70-16 70-20
70-17 70-21
70-18 70-22
70-19 70-23

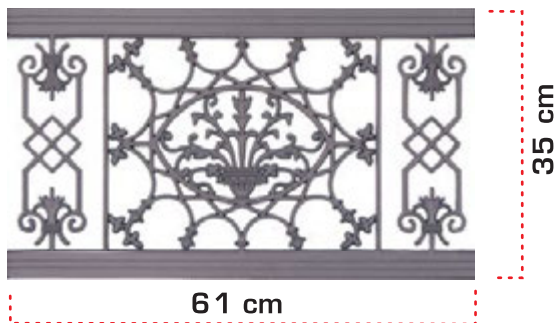
LINEAR

96 cm

Rail height
50 - 100 cm

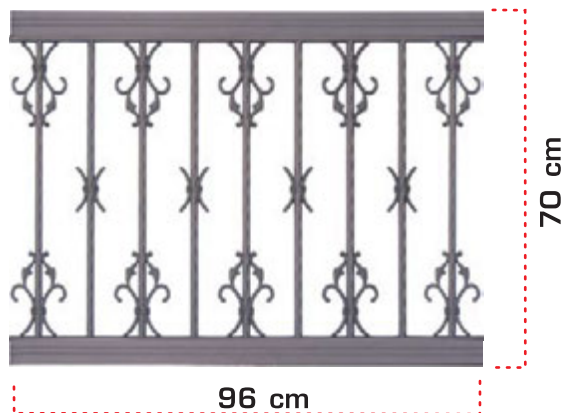


psatha modules



35-10

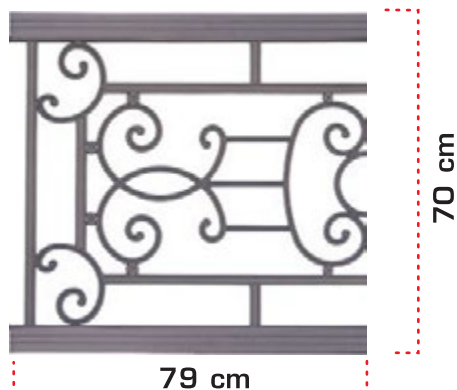
ANTHODESMI



70-14

DOLPHIN

5 pcs x 96 cm = 480 cm



70-32

6 pcs x 79 cm = 474 cm
Combined with: 70-10

aluminco

Rail height
60 - 80 cm



psatha modules



1075

5 pcs x 96 cm = 480 cm
Combined with: 55-06



42-02

5 pcs x 84 cm = 420 cm
Combined with: 42-01



55-11

8 pcs x 60 cm = 480 cm
Combined with: 55-10

Rail height
80 - 110 cm



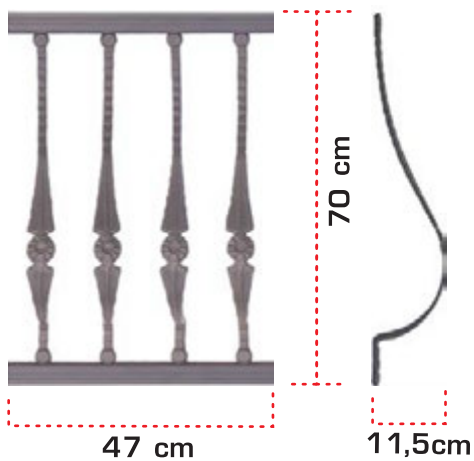
psatha modules



KARAVOLO
WITH SAITA

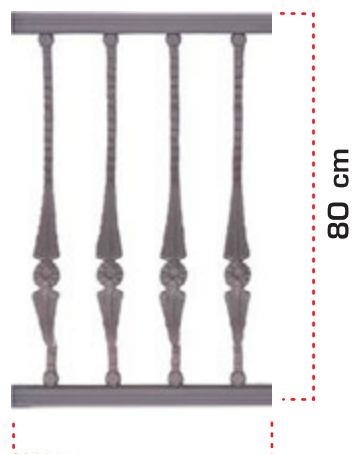
70-27

5 pcs x 88 cm = 440 cm



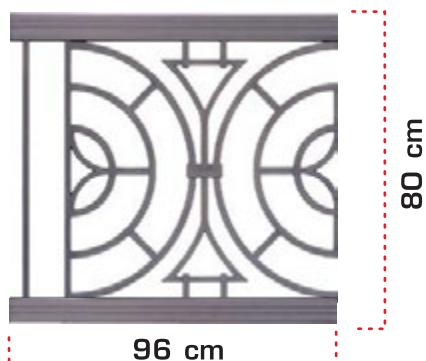
VENITIAN

10 pcs x 47 cm = 470 cm



47 cm

80-25



80-20

5 pcs x 96 cm = 480 cm

aluminco

Rail height
80 - 100 cm



psatha modules



77 cm

70 cm

ANCHOR

70-18

6 pcs x 77 cm = 462 cm
Combined with: 70-10
70-16
70-17
70-19



77 cm

70 cm

WHEEL

70-19

6 pcs x 77 cm = 462 cm
Combined with: 70-10
70-16
70-17
70-18



78 cm

70 cm

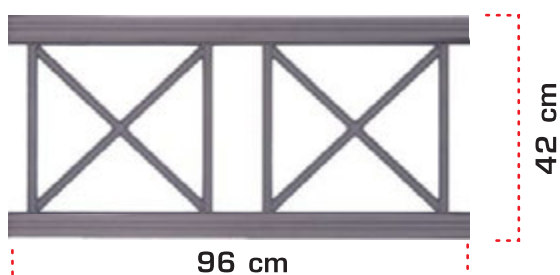
70-16

6 pcs x 78 cm = 468 cm
Combined with: 70-10
70-18
70-19

Rail height
50 - 100 cm



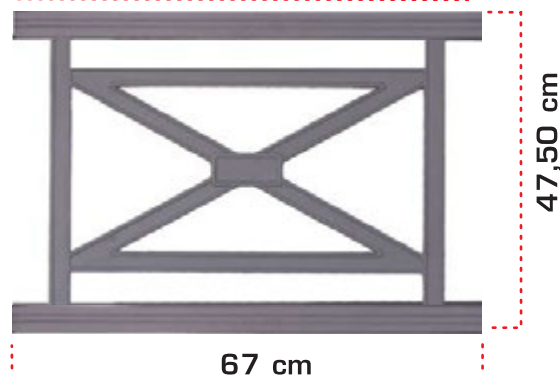
psatha modules



42-01

CLASSIC

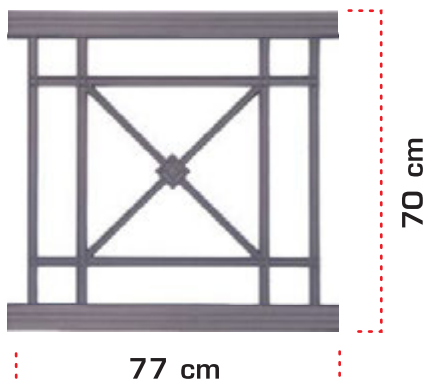
5 pcs x 96 cm = 480 cm
Combined with: 42-02



55-06

CHRIMATISTIRION

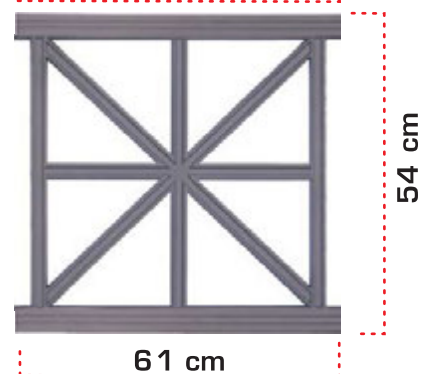
7 pcs x 67 cm = 480 cm
Combined with: 1075



70-17

DORIC

6 pcs x 77 cm = 462 cm
Combined with: 70-10
70-18
70-19



55-10

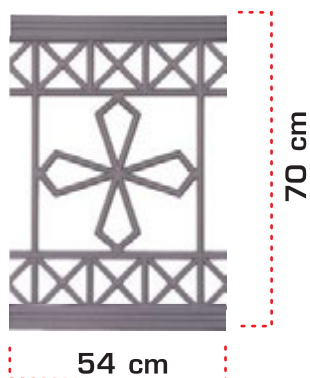
8 pcs x 61 cm = 488 cm
Combined with: 55-11

aluminco

Rail height
80 - 110 cm

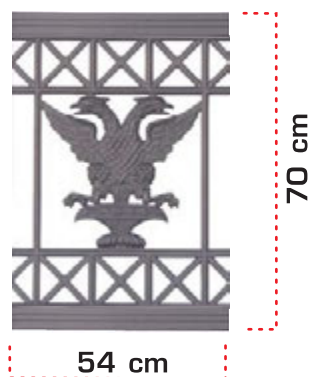


psatha modules



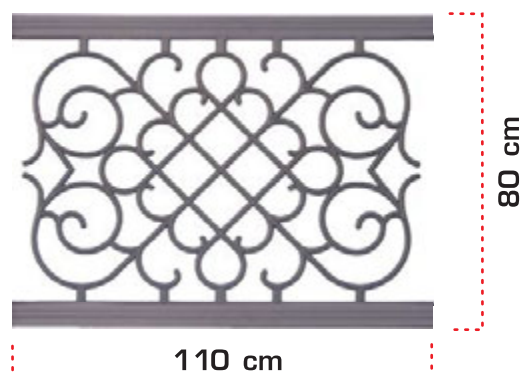
CROSS

70-22 9 pcs x 54 cm = 486 cm
Combined with: 70-11

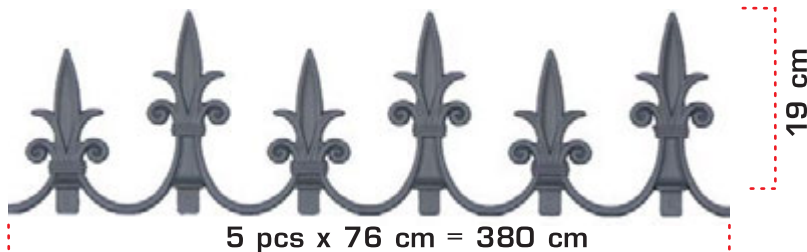


DIKEPHALOS

70-23 9 pcs x 54 cm = 486 cm
Combined with: 70-11

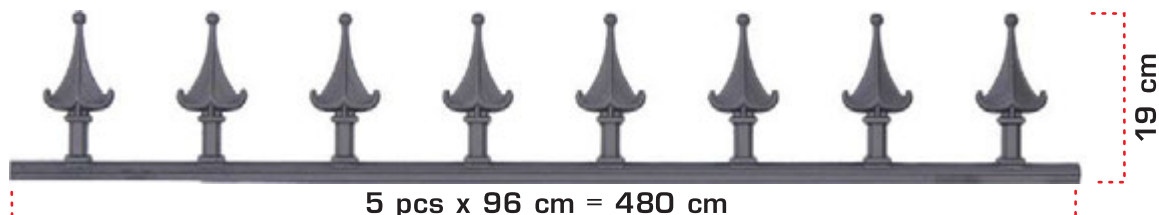


80-02 Combined with: 80-03



239

- DORY -



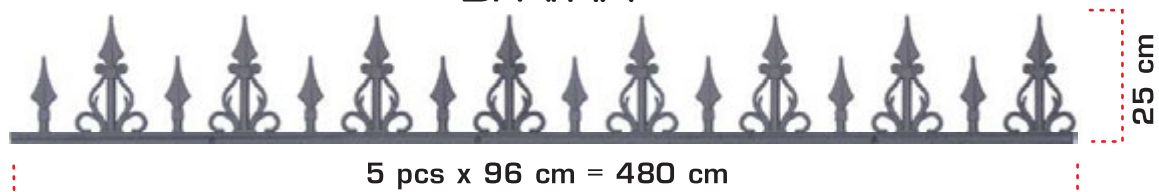
19-10

- AKRO LONGHIS -



16-11

- SPATHA -



16-12

- KAMBANA -



13-13

- LONGHI -



42

-FINISHING-



45



240



267

-FINISHING-

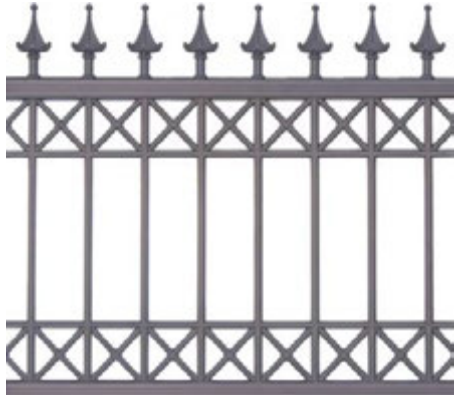


268



psatha fencing combinations

FENCE HEIGHT FROM 30cm UP TO 120cm



19-10 + 70-11



16-12 + 70-24



16-11 + 70-13



16-12 + 55-04

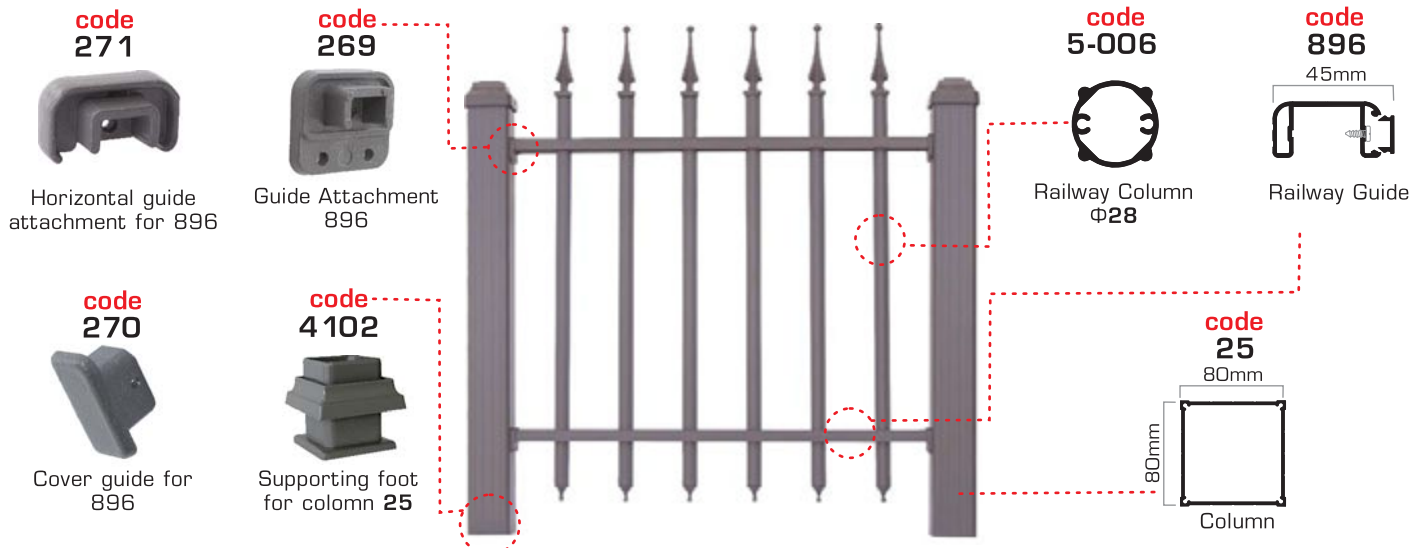


16-12 + 70-14 + 13-13



16-12 + 35-02

aluminco fencing combinations



psatha fencing combinations

FENCE HEIGHT FROM 30cm UP TO 200cm



90-05



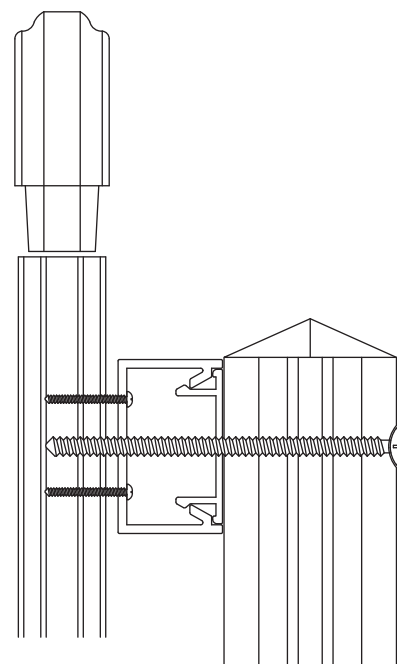
90-02



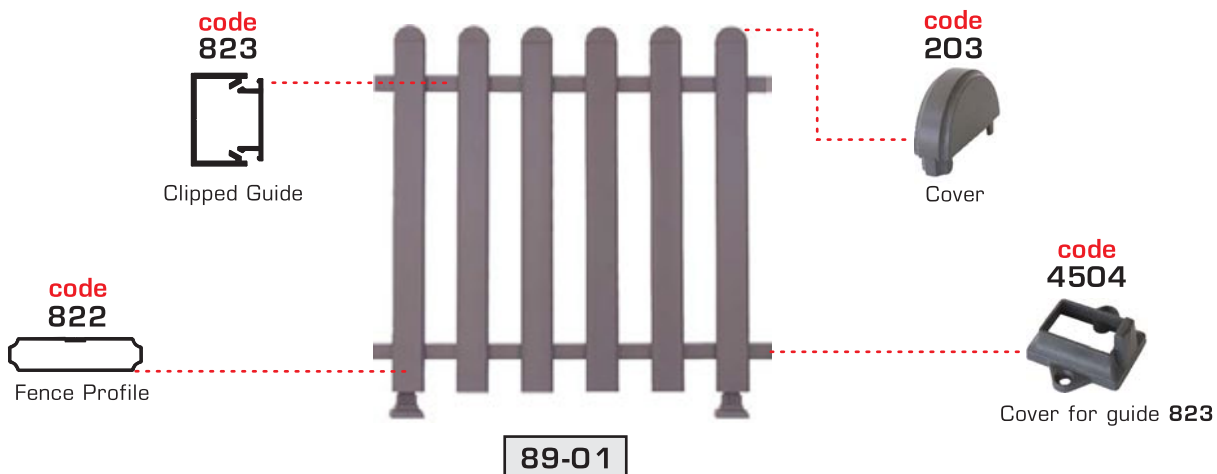
90-04



90-03



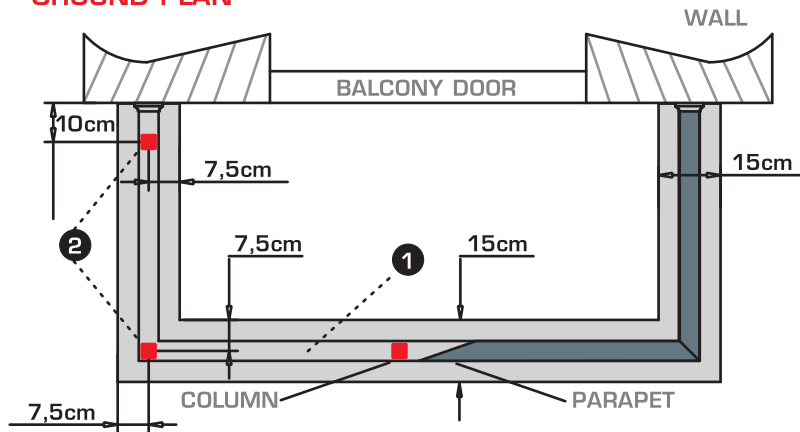
Connection with column-horizonal guide



ways to measure & install rails - gates

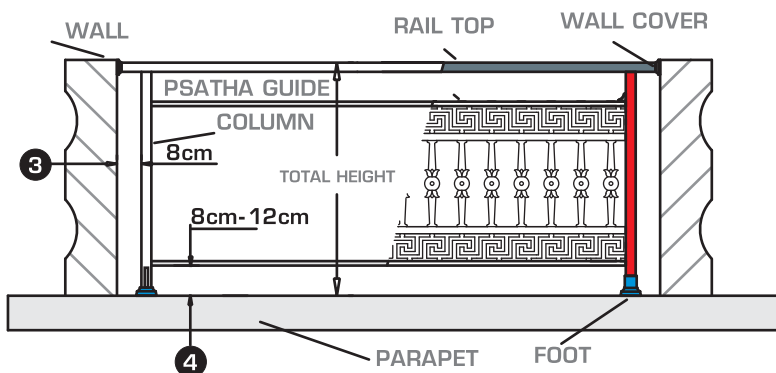
ways to measure

GROUND PLAN



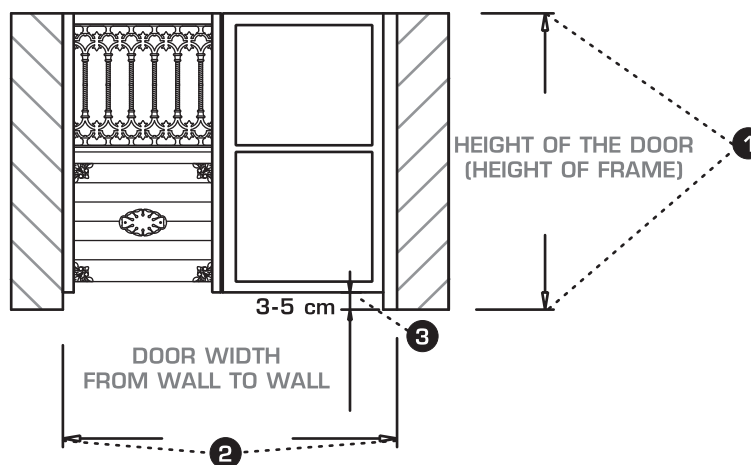
- 1 The rail is installed in the center of the balcony parapet.
- 2 The measurements are taken from the wall to the centre of the column and afterwards to the center of the next column.
- 3 The distance between the wall and the external side of the column must be 8cm.

FRONT VIEW



- 4 The space between the ground and the bottom of the guide must be:
 - minimum 8cm
 - (if we are using a supporting foot)
 - maximum 12cm.

FRONT VIEW

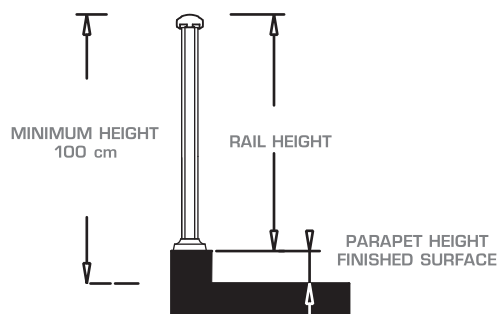


NECESSARY INFORMATION REQUIRED FOR GATES

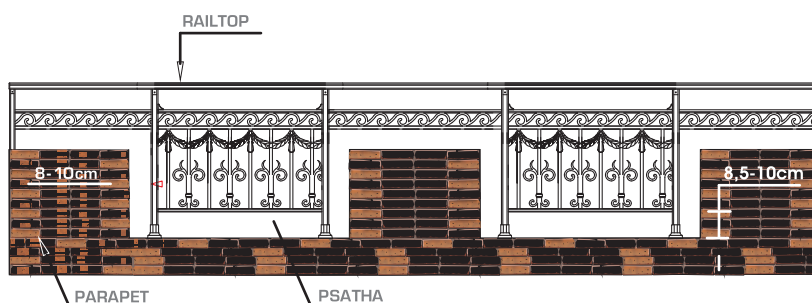
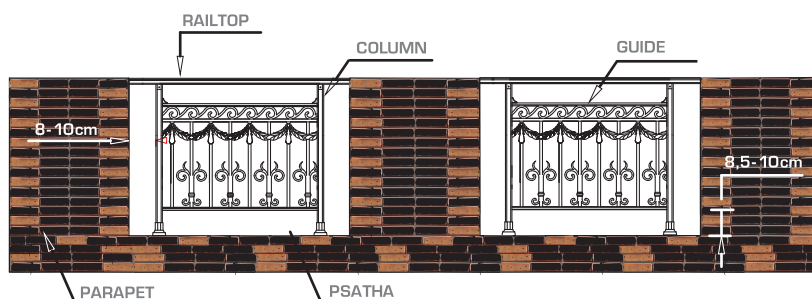
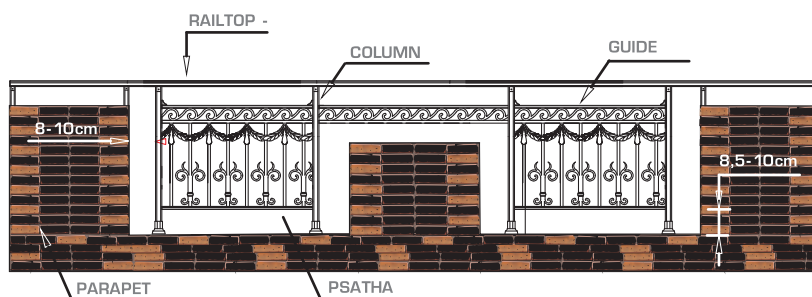
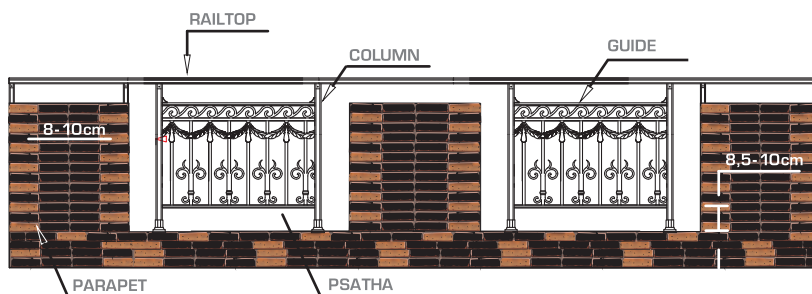
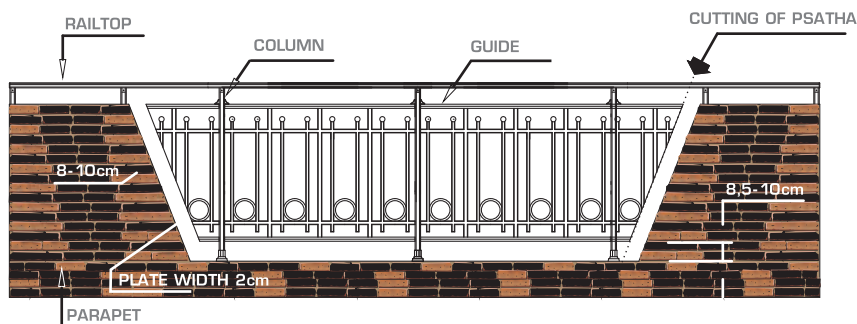
- Opening gate - Sliding gate.
- Single - Double.
- Opening direction of the gate when looking on from the outside To the left To the right.

- 1 The height of the gate is measured from the ground to the top part of the frame.
- 2 The width is measured from wall to wall.
- 3 The space between the ground and the bottom part of the gate should be between 3cm to 5cm.



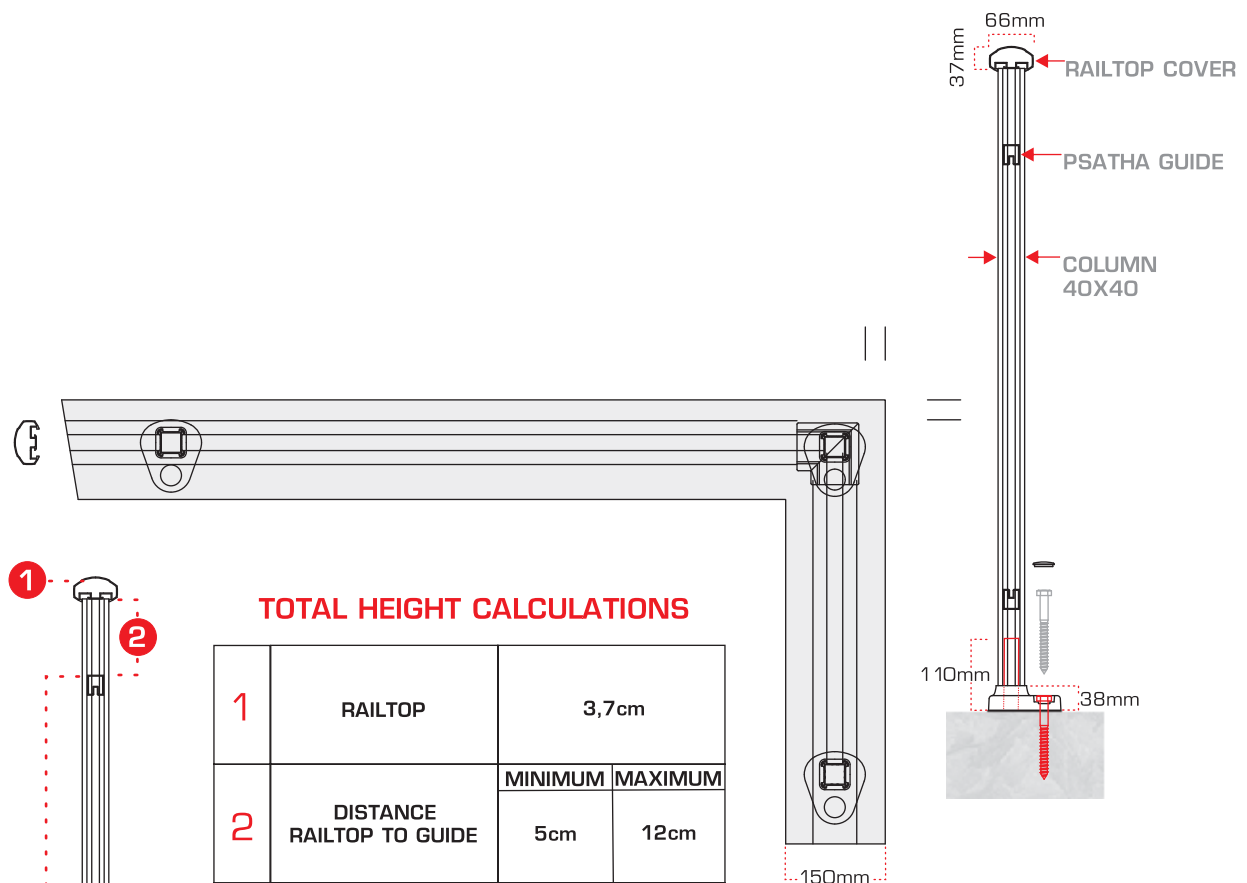


PARAPET HEIGHT	RAIL HEIGHT
10 cm	90 cm
20 cm	80 cm
30 cm	70 cm
40 cm	60 cm



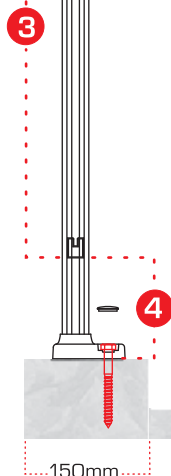
ways to measure & install rails - gates

ways to measure

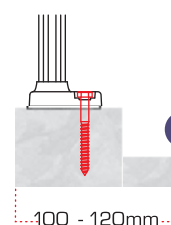


TOTAL HEIGHT CALCULATIONS

1	RAILTOP	3,7cm				
2	DISTANCE RAILTOP TO GUIDE	MINIMUM		MAXIMUM		
		5cm		12cm		
3	PSATHA OR AL-FLEX HEIGHT	AL- FLEX	55	65	75	85
		PSATHA	35	55	70	80
4	DISTANCE GUIDE TO GROUND	MINIMUM		MAXIMUM		
		7cm		10cm		



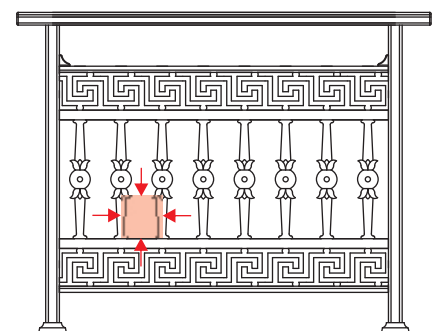
A Suggested parapet width 150mm. Installation of supporting base should be in center alignment.



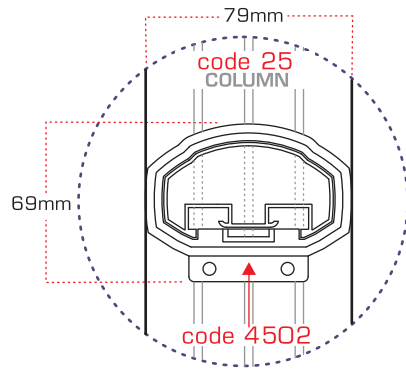
B In case of parapet width 120mm, installation of supporting base should be 10mm from the edge.

REGULATIONS

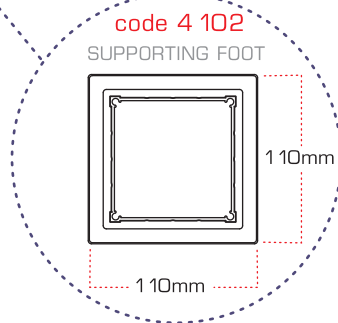
According to the international building regulations, there should not be any greater opening than **10X 10cm**. Furthermore, there are no horizontal sections in any of the models, which would create a step for a child and thus endanger his safety. In the case of AVANT GARDE, the bottom horizontal part is **45cm** which complies with the safety rules.



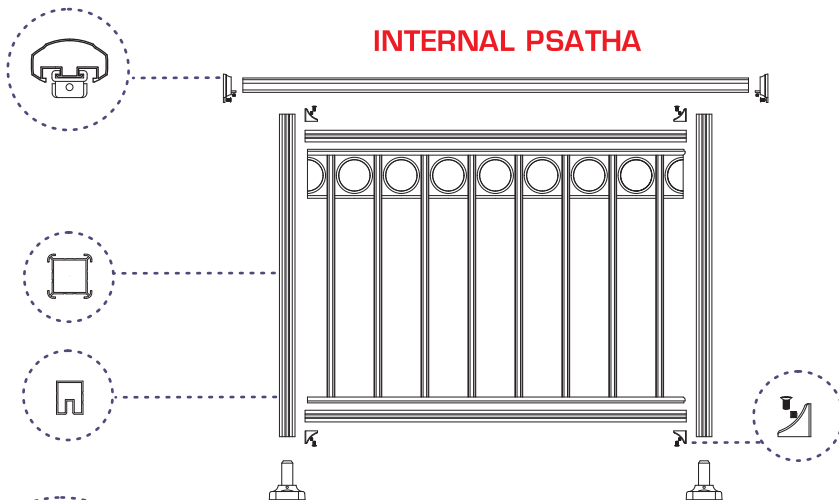
END-FINISHING RAILING FOR COLUMN 80X80 OR SIDE WALL



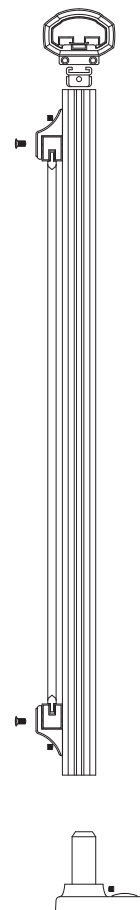
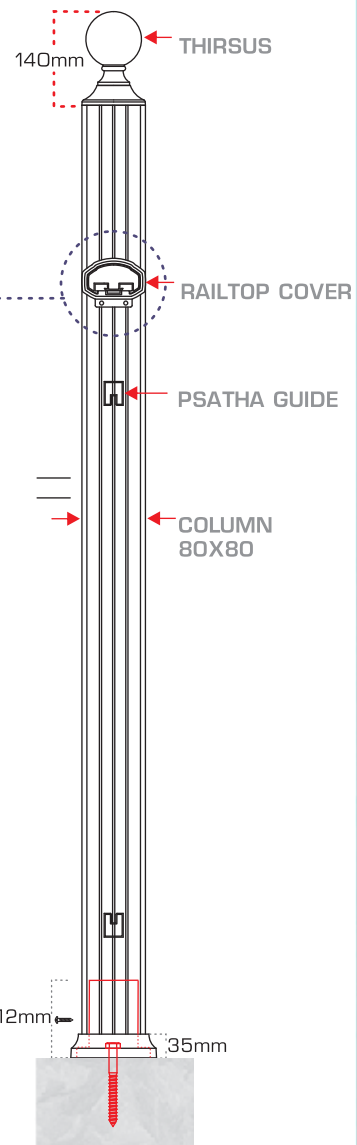
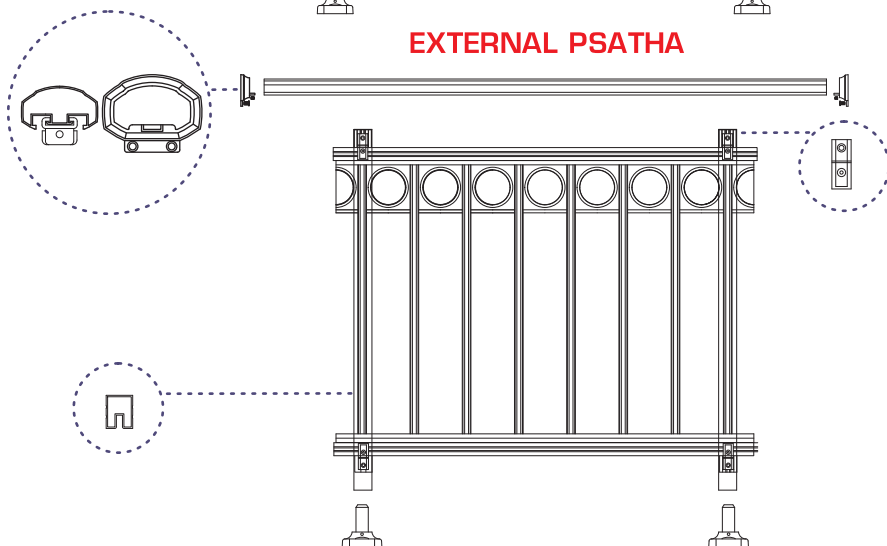
SUPPORTING OF COLUMN 80X80

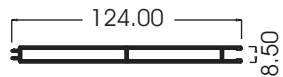
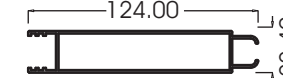
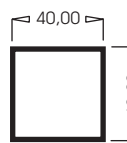


INTERNAL PSATHA

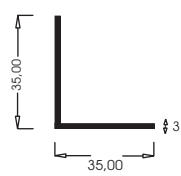


EXTERNAL PSATHA



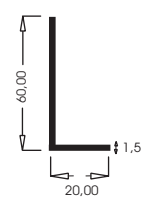
A code 900  Supporting column	A code 901  Supporting column	code 99-044  Rabote Profile 790gr/m code 99-045  Rabote Profile 1040gr/m	code 29-047  Standard profile 620gr/m
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code 40-033



Standard profile
540gr/m

code 49-016



Standard profile
320gr/m

code 949
Top



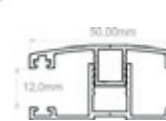
code 950
Bottom

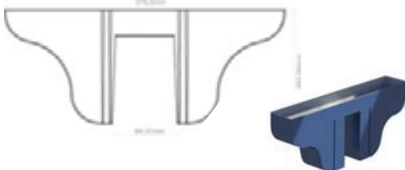
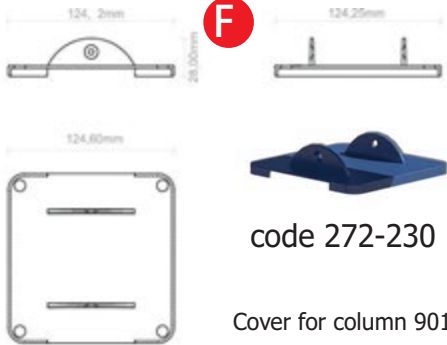
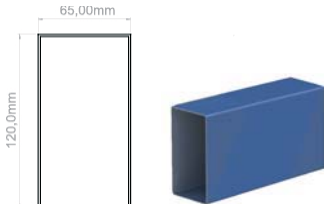
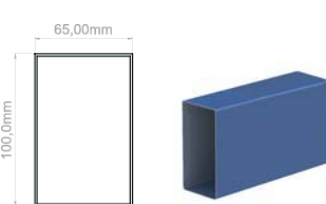
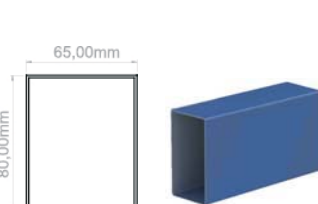
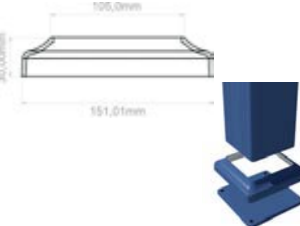
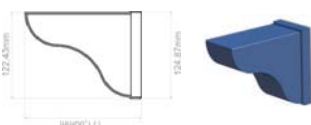
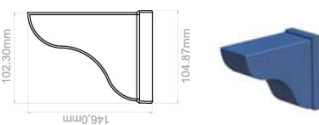
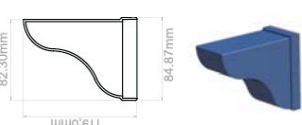
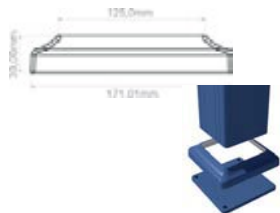


code 948
Top



code 950
Bottom




G code 272-200  Supporting base for column	F  code 272-230 Cover for column 901	F  code 272-231 Cover for column 900	
C code 59-026  Standard profile	B code 59-027  Standard profile	B code 59-028  Standard profile	code 4104  Supporting column for 900
E code 272-212  End finishing for column 59-026 Glazing 8-12 mm. Supporting system	D code 272-211  End finishing for column 59-027 Glazing 14-22 mm. Supporting system	D code 272-210  End finishing for column 59-028	code 4105  Supporting column for 901

