

ALUMINCO[®]

A ALUMINIUM BUILDING SYSTEMS

railings
Catalogue

2012

english version



ALUMINCO 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, **ALUMINCO** has gained recognition in both the local and overseas markets.

ALUMINCO 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 **ALUMINCO** 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















ALUMINCO 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, **ALUMINCO** 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, **ALUMINCO** 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 **ALUMINCO** 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.

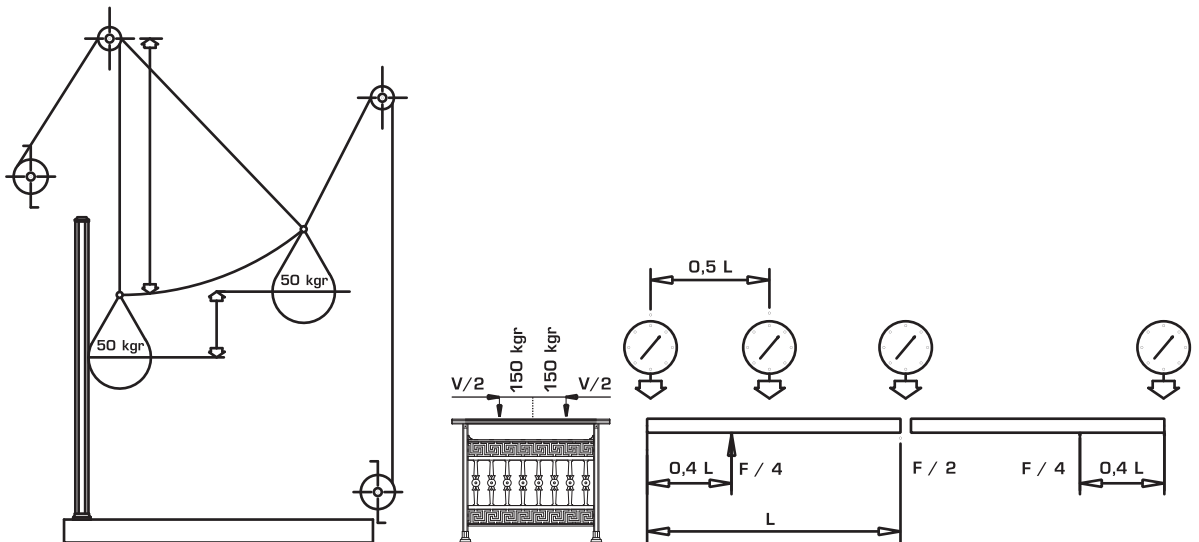
3. Static vertical test.

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.

ISTITUTO GIORDANO
S.p.A. - CERTIFICAZIONE QUALITÀ

RAPPORTO DI PROVA N. 18283

Luogo e data di redazione: Bari, 25/04/2011

Clientella: CTD S.r.l. - Via Sesto 54 Fr. s. n. 6, 71015 - 41023 BAZZANOVA (FG)

Materiale sottile: Aluminio anodizzato - 6061 T6

Tecnica di prova: UNI EN ISO 9001:2008 - 2010, UNI EN ISO 14001:2004

Data dell' emissione della prova: 26/04/2011

Figura della prova: Prove di resistenza meccanica secondo le norme EN 12608 (2006) e EN 12609 (2006) per barre di alluminio anodizzato.

Luogo della prova: Istituto Giordano S.p.A. - Strada 4 - Via San Marco, 4 - 41014 BAZZANOVA (FG)

Procedura di controllo: ISO 9001:2008

Modificazione del campione in accettazione: 0.200104 e 0.201024

Descrizione del campione:
Il campione sottoposto a prova è costituito da una singola anfora profilata in alluminio anodizzato a seconda delle norme EN 12608 e EN 12609.

Caratteristiche tecniche:
- Sezione nominale: 200 mm
- Altezza: 100 mm
- Spessore in funzione di spessore: 40 mm

Il campione sottoposto a prova è stato fissato, per mezzo del dispositivo di fissaggio standard, all'interno di una macchina a trazione 100 kN con vista in direzione verticale. Il carico è stato applicato a velocità costante di 10 mm/min. Il test è terminato al raggiungimento di una deformazione plastica permanente in direzione verticale.



Fotografia del campione durante la prova.

Resultati della prova:

Indicazioni della resistenza meccanica ai carichi statici di rottura e allungamento secondo la norma EN 12608 (2006).

Zona di carico	Carico applicato (kN)	Indicazioni rottura (mm)	Indicazioni allungamento (mm)
Prova di rottura del campione	220	2,24	0,81
Prova di rottura del campione	220	2,02	0,68

Indicazioni della resistenza meccanica ai carichi statici consentiti dal prodotto secondo la norma EN 12608 (2006).

Zona di carico	Carico applicato (kN)	Indicazioni rottura (mm)	Indicazioni allungamento (mm)
Al centro del campione	220	2,24	0,81

Resultati della prova:

Indicazioni della resistenza meccanica ai carichi statici distribuiti secondo la norma EN 12609 (2006).

Zona di carico	Carico applicato (kN)	Indicazioni rottura (mm)	Indicazioni allungamento (mm)
Al centro del campione	4,50	0,36	0,17




Fotografia del campione durante la prova e prova di rottura del campione.

Indicazioni della resistenza meccanica ai carichi statici consentiti dal prodotto secondo la norma EN 12609 (2006).

Zona di carico	Carico applicato (kN)	Indicazioni rottura (mm)	Indicazioni allungamento (mm)
Al centro del campione	4,50	0,36	0,17

LICENCE CERTIFICATE

AUTHORIZATION TO USE THE QUALITY SIGN



This is to certify that

ALUMINCO S.A., GR-Aniso Atika
Licence number: 110

An official license to apply the quality sign which is shown above according to the REGULATIONS FOR THE USE OF THE QUALICERT QUALITY SIGN FOR PAINT, LACQUER AND POWDER COATINGS ON ALUMINIUM FOR ARCHITECTURAL APPLICATIONS.

Date of issue of the license: 18.08.2001
Period of validity of the license: by 31.12.2002

Qualicert
President: General Secretary

TÜV CERT

CERTIFICATE

The TÜV CERT Certification Body of RWTUV Anlagentechnik GmbH hereby certifies in accordance with TÜV CERT procedure that

ALUMINCO S.A.
1. St. Athanasios Street
145 65 Anafitri - Athens
2. Indria Plant - Viotia
Hellas

Has established and applies a quality system for

1. Aluminium panels and aluminium traditional doors manufacturing
2. The design and production of cast aluminium products

An audit was performed. Report No.: 23-22842086
Proof has been furnished that the requirements according to ISO 9001:1994 / EN ISO 9001:1994 are fulfilled. The certificate is valid until: December 2003
Certificate Registration No.: 04188-01706

RWTUV
Hellas

ISO 14001 CERTIFICATE OF COMPLIANCE

This is to certify that the Environmental Management System of

ALUMINCO S.A.
INDUSTRIAL ZONE OF ANAFITRI, 138 01
VIOTIA, GREECE

has been assessed by API Quality Evaluation, Inc. and found to be in compliance with the requirements set forth by: ISO 14001:2004.

The Environmental Management System is applicable to:
MANUFACTURING OF HOOD PANELS, TRANSITIONAL DOORS, CASTED DOOR GUARDRAILS AND ALUMINIUM PANELS.

Certificate No.: 04008
Issue Date: 25 November 2004
Expiry Date: 24 November 2006

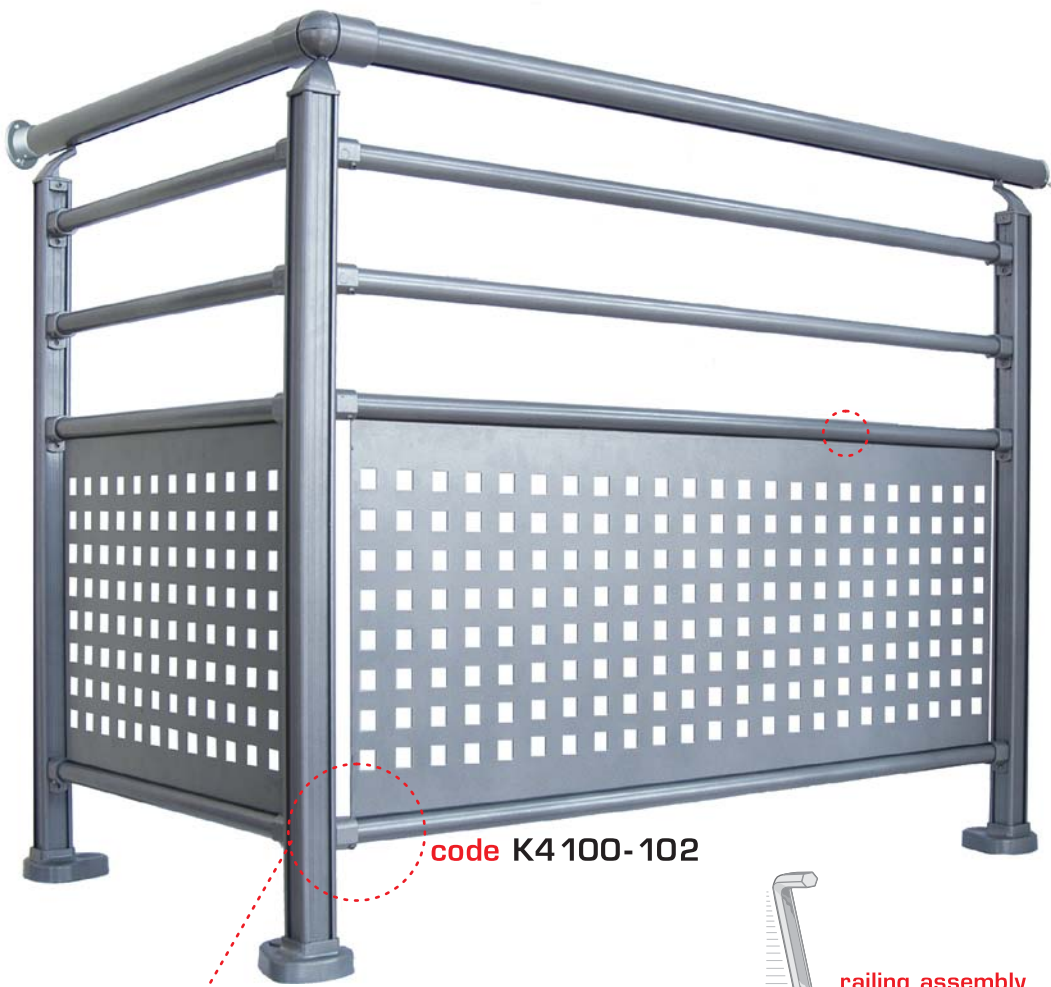
James L. Wilson
President

API Quality Evaluation, Inc.

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

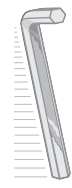
avant garde



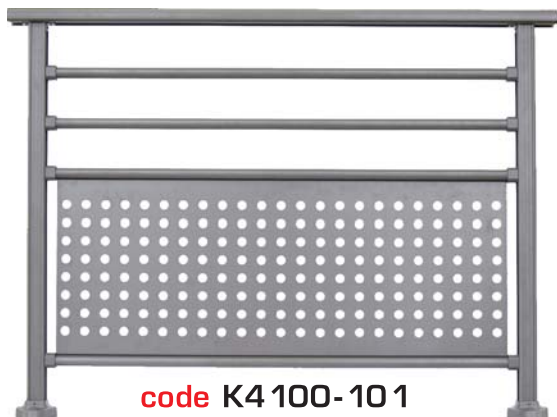
code K4 100-102



code 4202
column attachment
for guide Φ 26



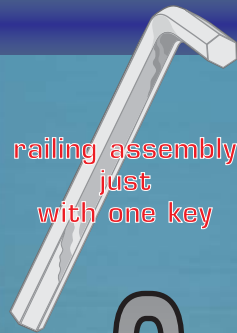
railing assembly
just
with one key



code K4 100-101

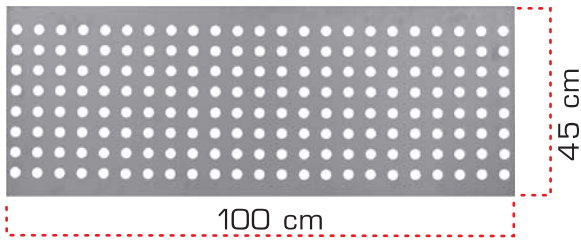


code K4 100-301

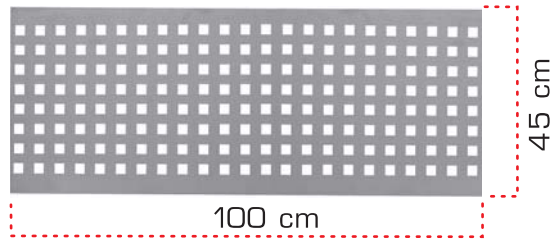


railing assembly
just
with one key

accessories



code L4501

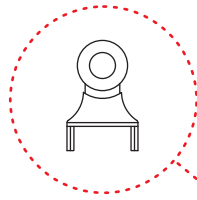


code L4502

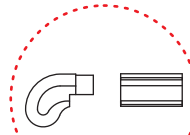
<p>code 920 Φ42 railtop</p>	<p>code 915 column</p>	<p>code 6-001 Φ26-horizontal profile.</p>
<p>code 904 for aluminium or inox sheet and composite panel 2 mm - 3 mm</p>	<p>code 905 Φ26-for triplex glass 6 mm.</p>	<p>code 4 10-420 joint</p>

avant garde stairs

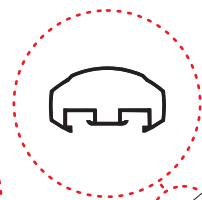
code 4203
column to railtop
accessory



code 4406
staircase finish



code 15
railtop



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



70mm

code 4151

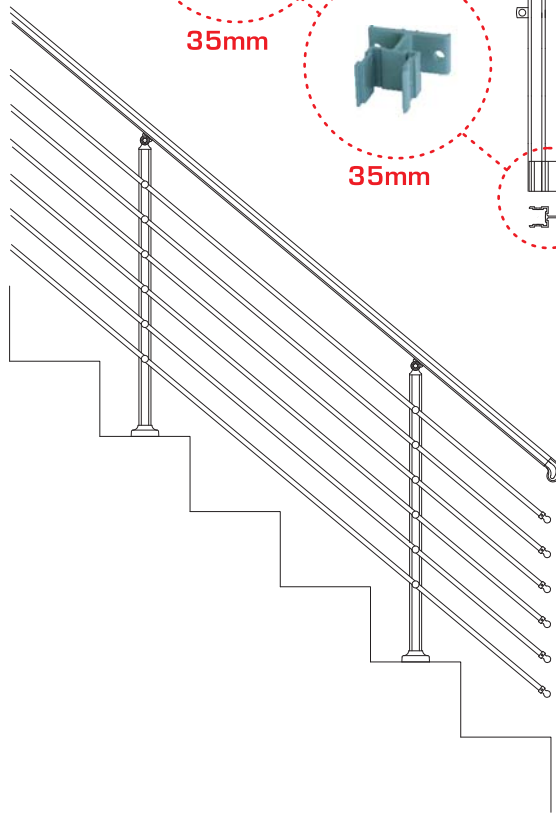


35mm

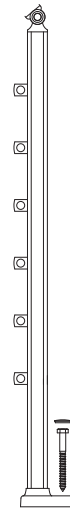
code 4150



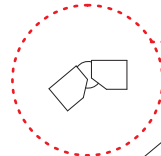
35mm



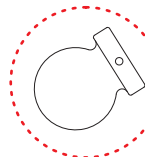
code 920
Φ42 railtop



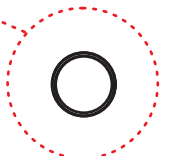
code 4302
adjustable corner
for column
attachment Φ 16

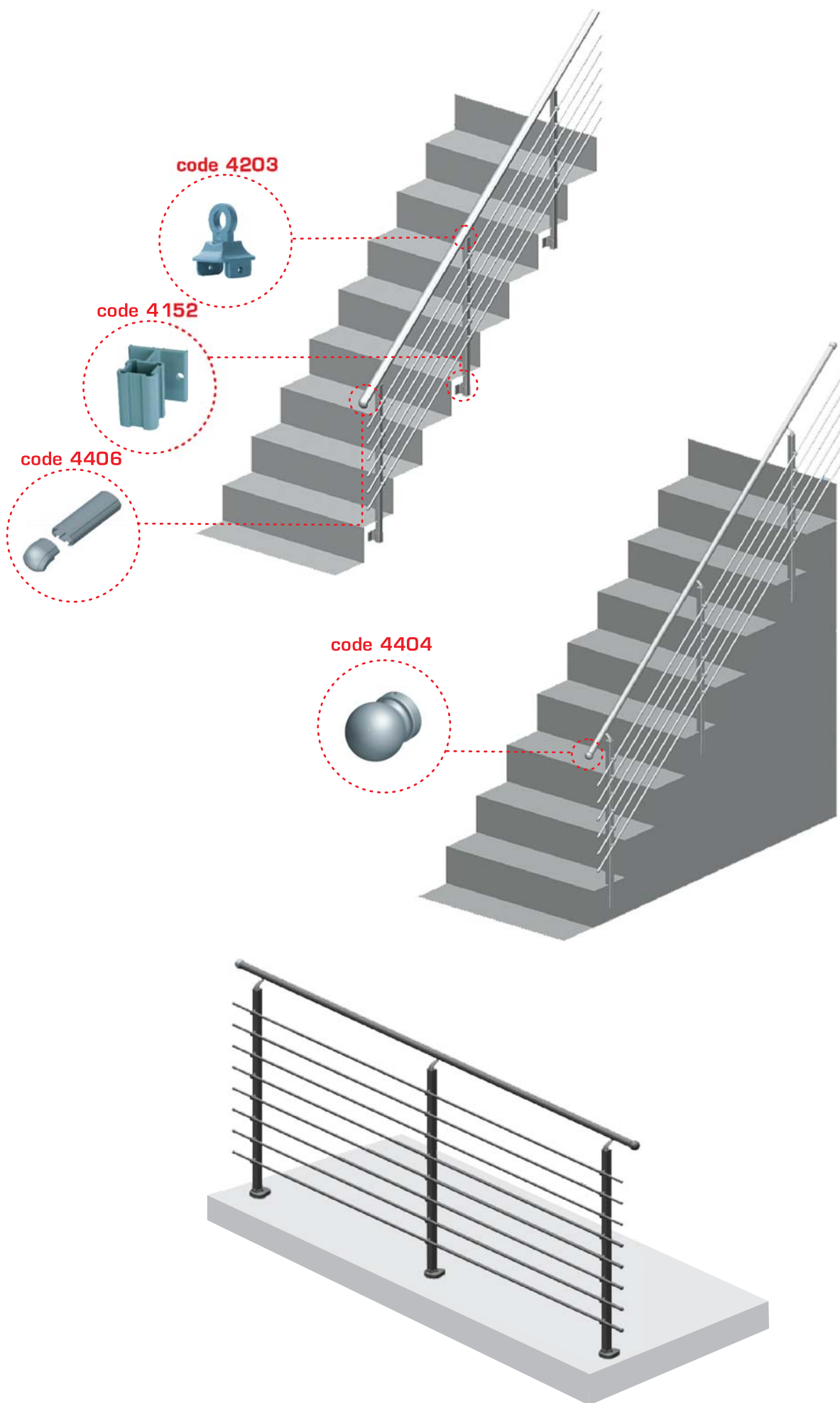


code 4404
end-cover for railtop
920



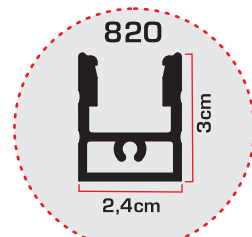
code 19-053
Φ 16-horizontal profile.



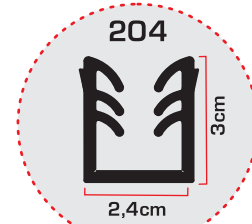




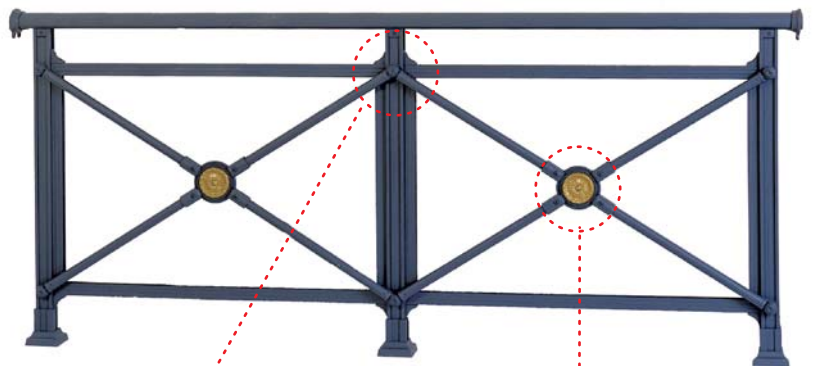
TRIPLEX glass pf 6mm



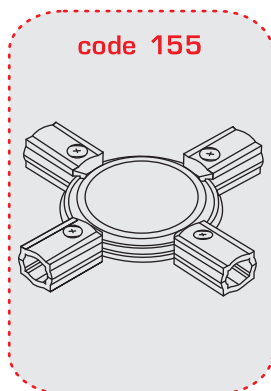
Glass guide



Glass rubber



CONNECTING ADJUSTABLE CORNER FOR CODE No 207 & 159

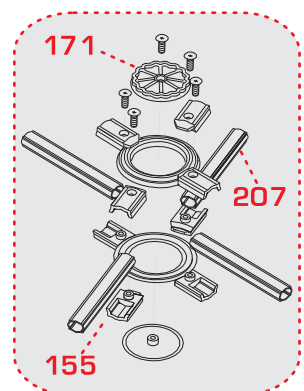


code 155



code 171

ROSSETTE



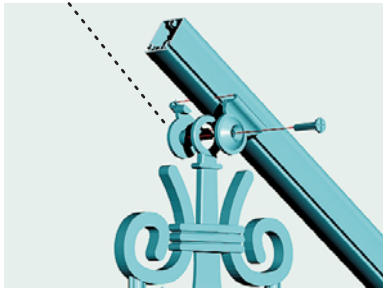
171

207

155

assembly method of al-flex & accessories

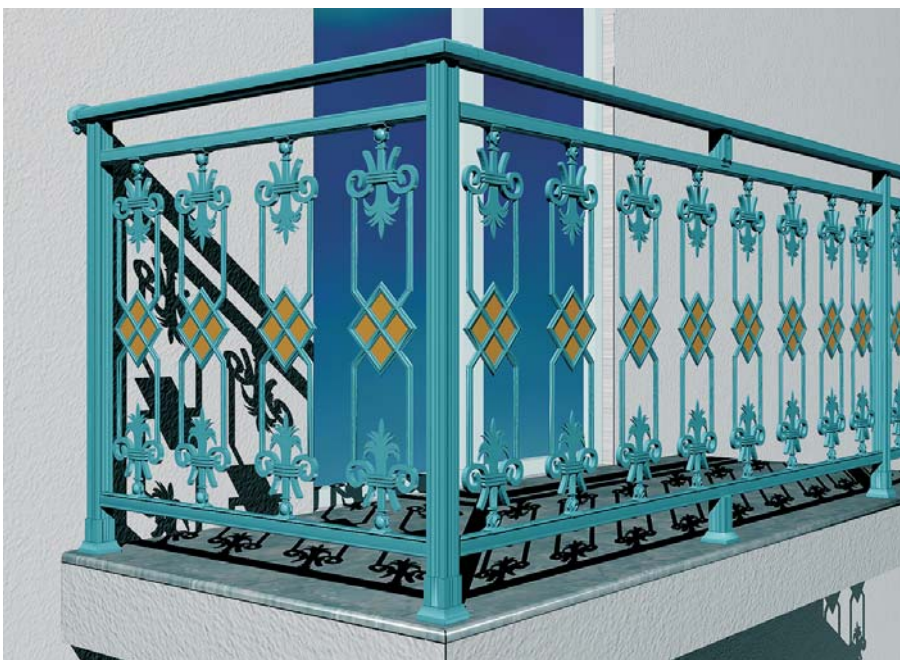
22 AL-FLEX CONNECTION



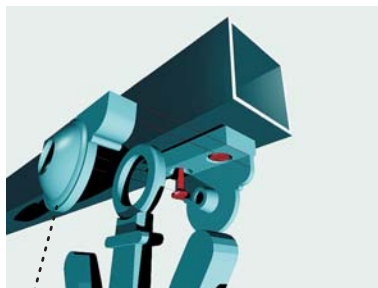
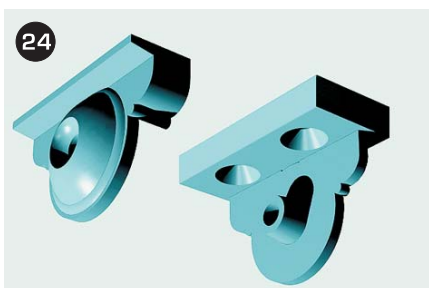
23 AL-FLEX GUIDE



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.

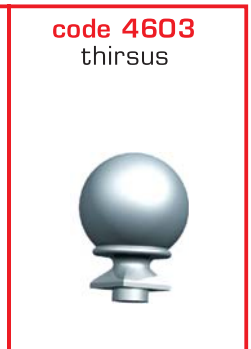
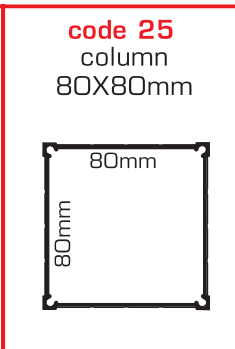
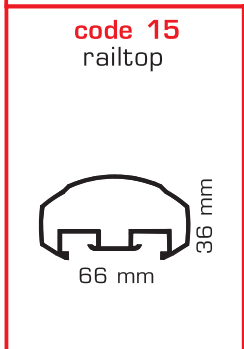
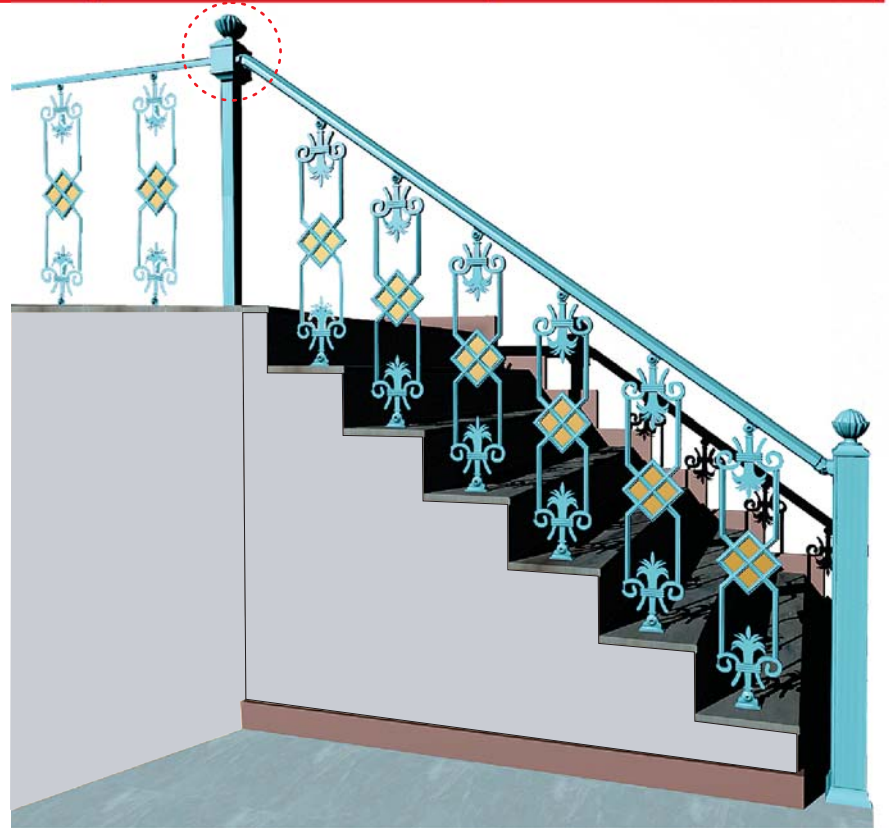
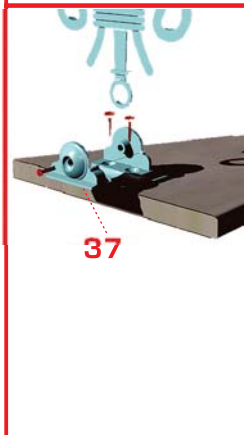
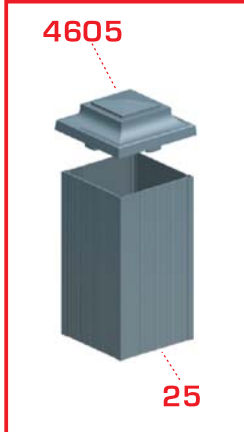


24 AL-FLEX HEAD

NOTE !!!

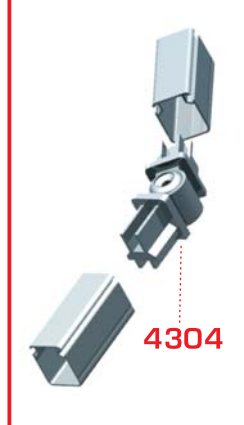
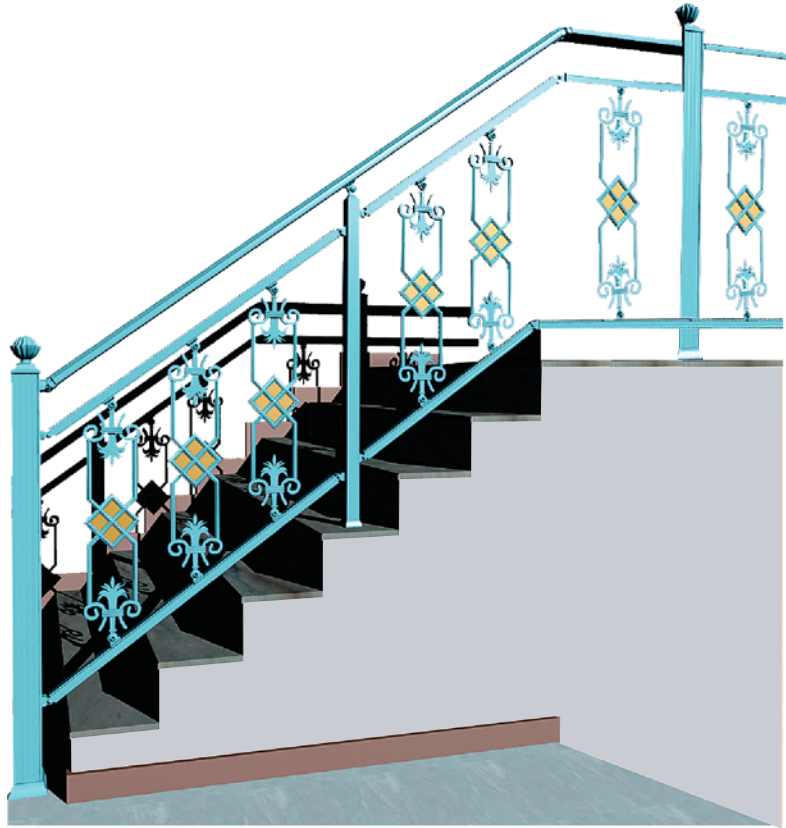
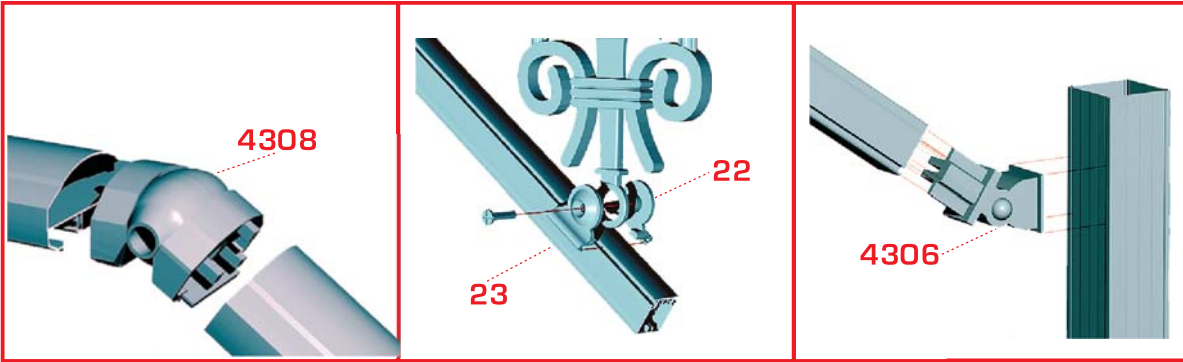
The accessories and the profiles are the same as in internal and external psatha.

al-flex system



assembly method of al-flex & accessories

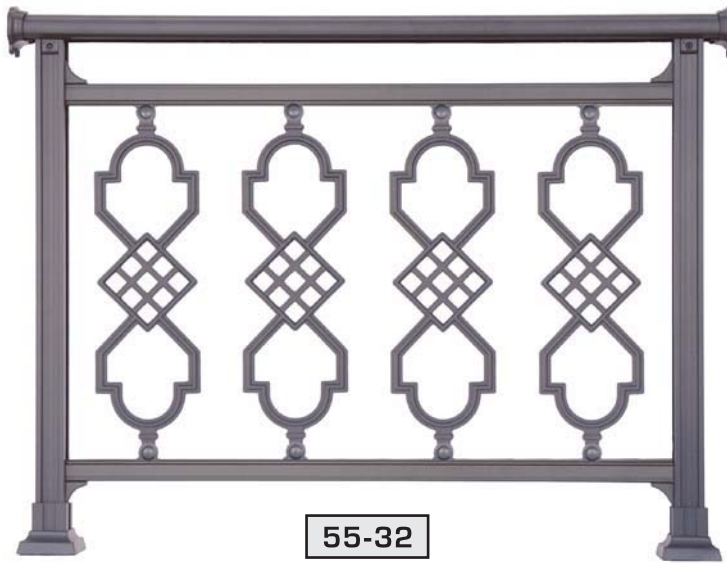
al-flex stairs



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

al-flex

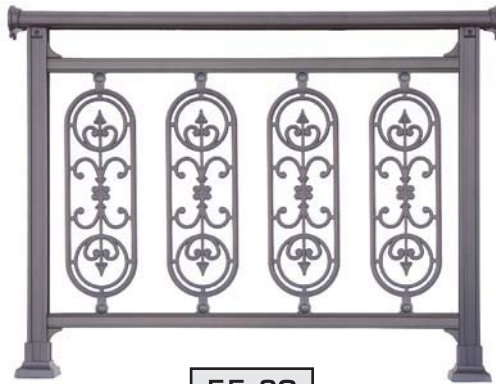
- RHOMBUS -



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

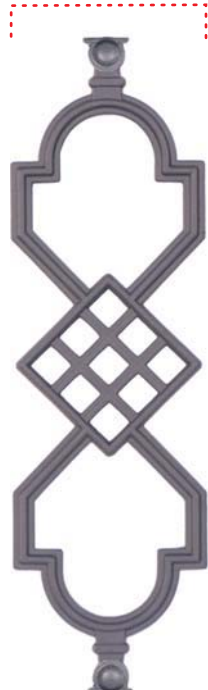
- MAKRIYANNI -



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

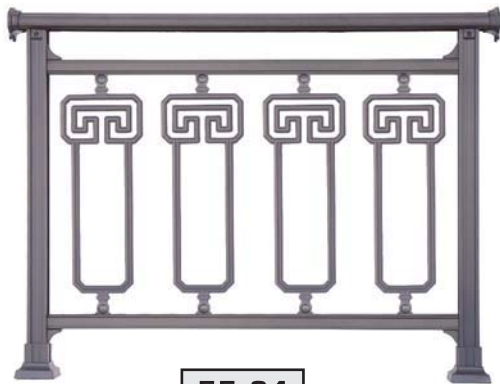
55 cm

- ROMAN -



55-33

- MEANDROS -



55-34

- LINEAR -



55-35

al-flex modules

16 cm



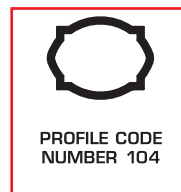
55-33 4 PCS/M

18 cm



55-34 4 PCS/M

2,2 cm



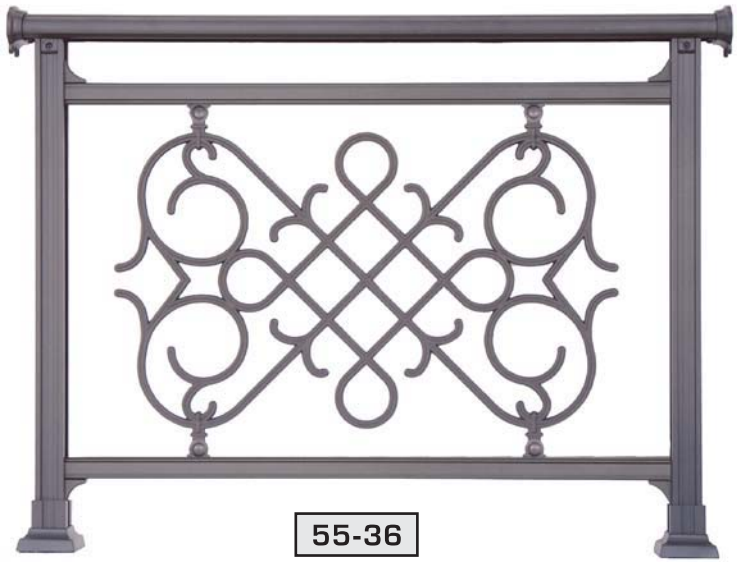
55-35 4 PCS/M

55 cm

al-flex 55

al-flex

- BYZANTINE -



55-36

- KERAMIKOS -



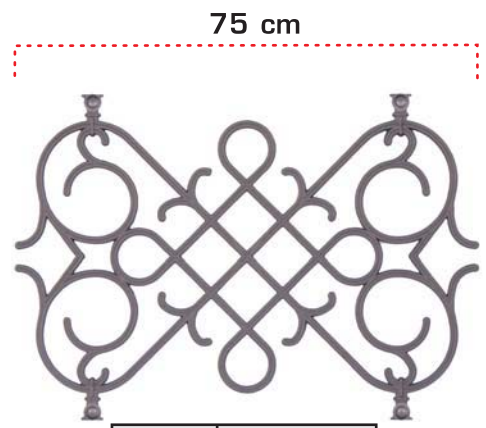
55-37

- KAMARA -

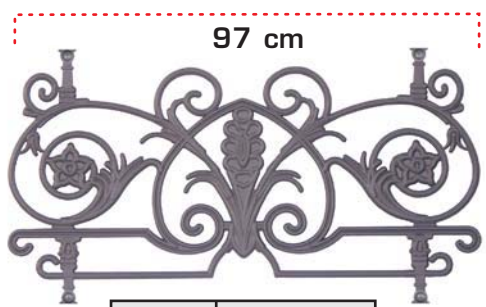


55-38

al-flex modules



55-36 1 PCS/M



55-37 1 PCS/M



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

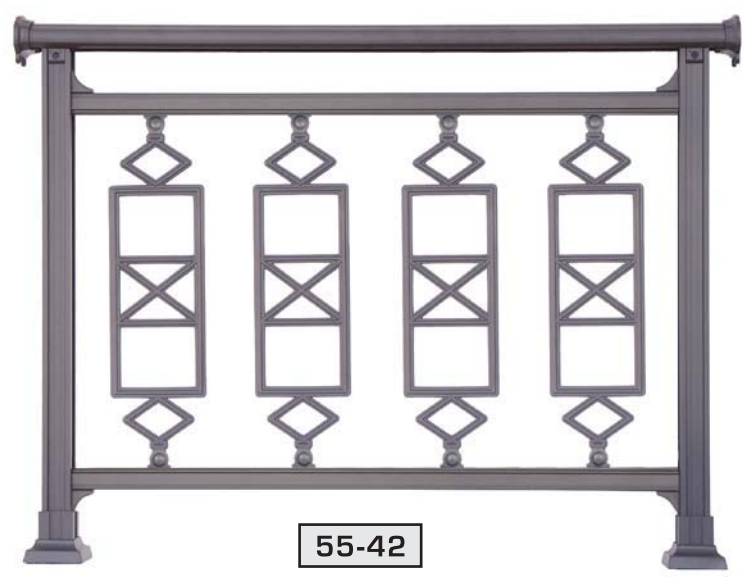


55-41 | 4 PCS/M

55 cm

al-flex 55

- ETHNIKIS -



55-42

- ERODIUS -



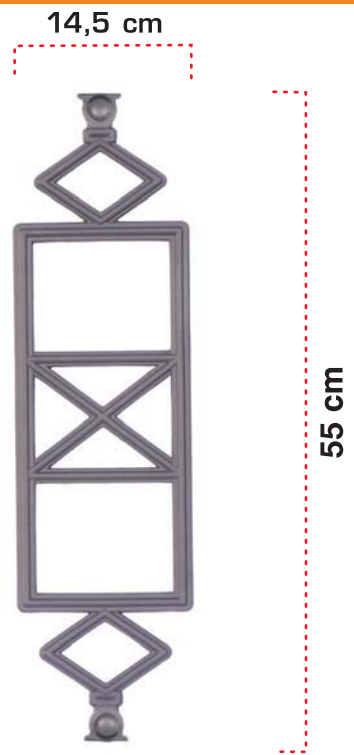
55-43

- MARGARITA CLASSIC -

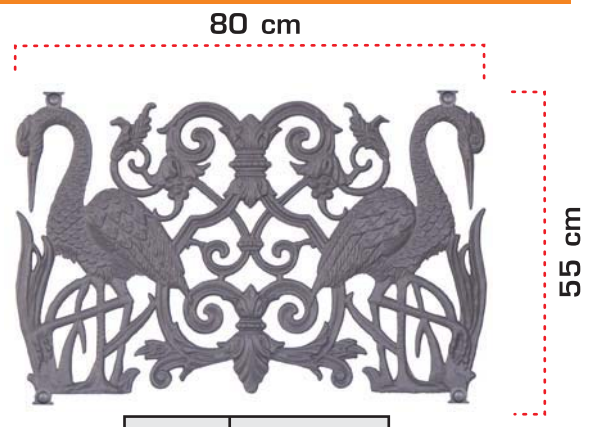


55-44

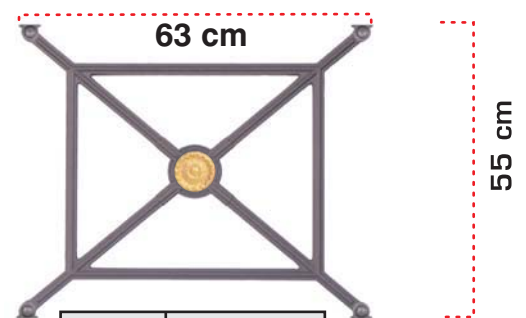
al-flex modules



55-42 4 PCS/M



55-43 1 PCS/M



55-44 1 PCS/M

- CROWN -



55-46

- ASTERI -



55-47

- DRAGON -

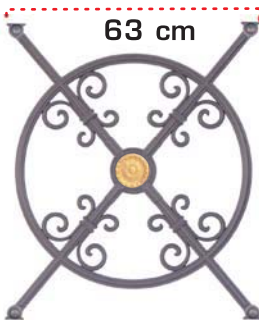


55-45

al-flex modules



55-45 1 PCS/M



55-46 1 PCS/M



55-47 1 PCS/M

al-flex SS

al-flex 65

- 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

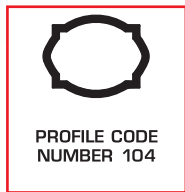
- VENITIAN -



65-35

al-flex modules

2,2 cm



PROFILE CODE
NUMBER 104

65-33 9 PCS/M

15,5 cm



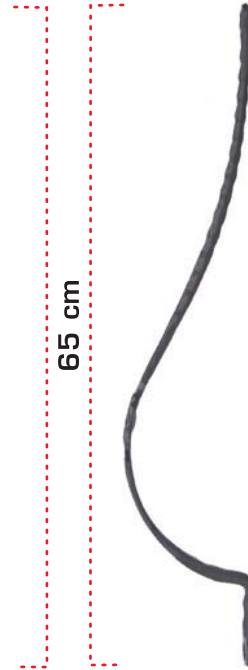
65-34 4 PCS/M

5 cm



65-35 6 PCS/M

11,5 cm



65 cm

al-flex ES

al-flex 65

- 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 ES

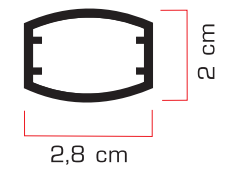
al-flex 65

- 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

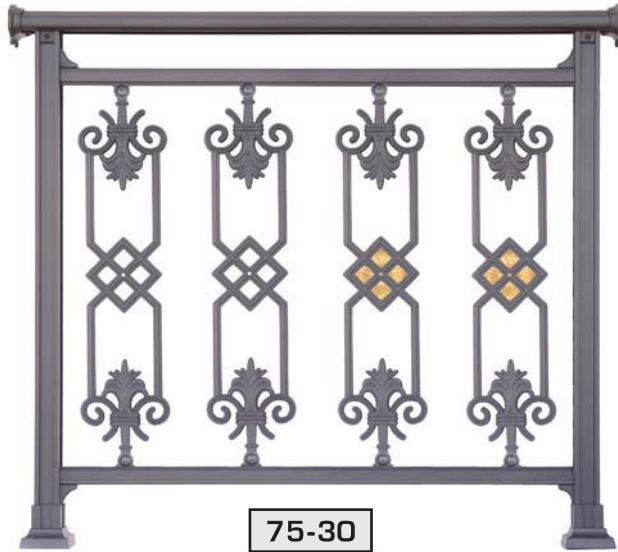
56 cm



65-44 1 PCS/M

65 cm

- MESEONIKO -



75-30

- VIENNA -



75-31

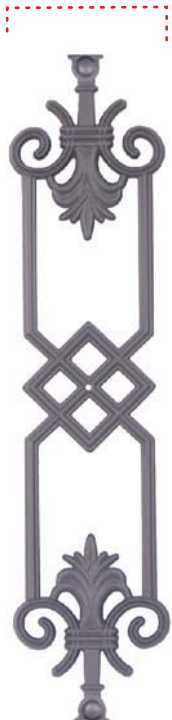
- ROMAN -



75-32

al-flex modules

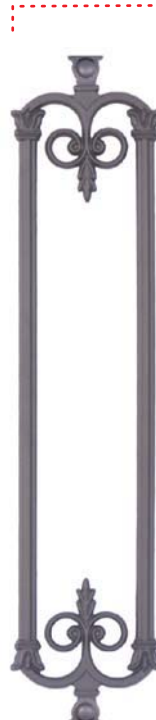
17 cm



20 cm



16 cm



75 cm

75-30 4 PCS/M

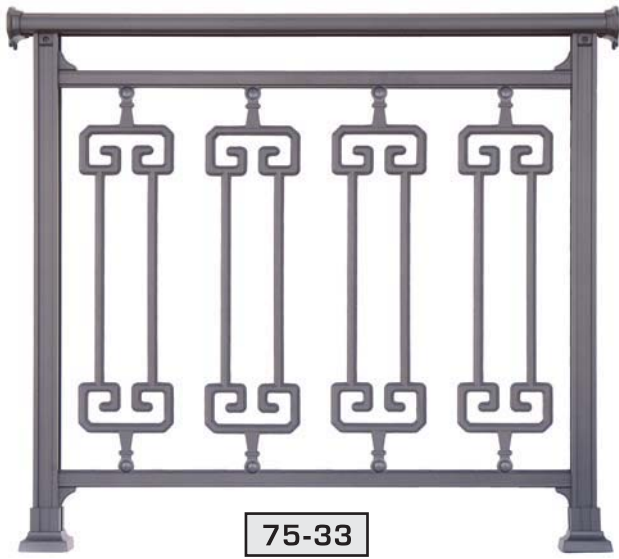
75-31 4 PCS/M

75-32 4 PCS/M

al-flex 75

al-flex 75

- MEANDROS -



75-33

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 -



75-34

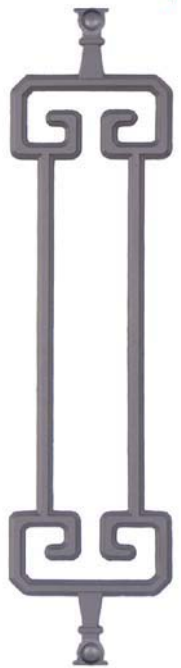
- BRONZE CLASSIC -



75-35

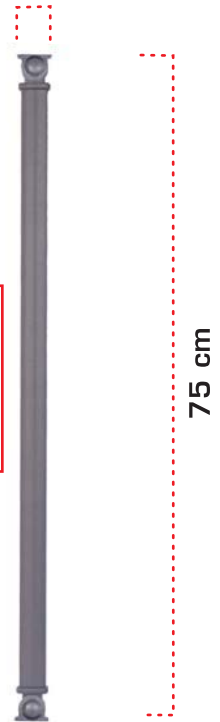
al-flex modules

18 cm



75-33 4 PCS/M

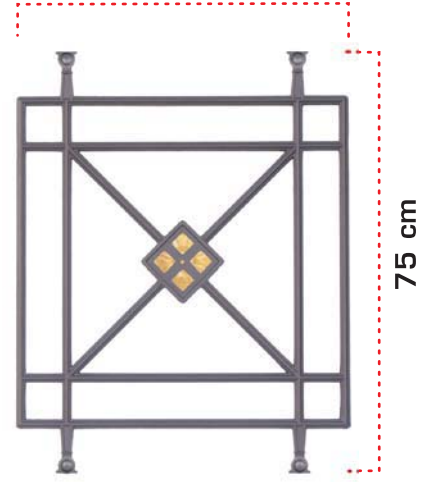
2,2 cm



75-34 9 PCS/M



57,5 cm



75-35 1 PCS/M

- PERGOLA -



75-36

- HARP -



75-37

- BOUQUET -



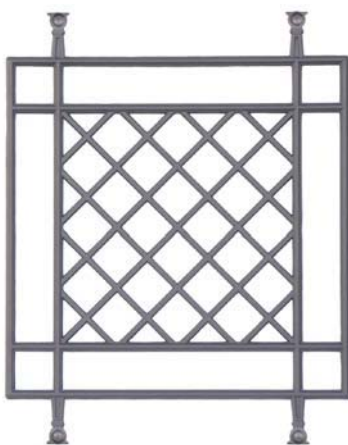
75-38

al-flex modules

57,5 cm

56 cm

50 cm



75 cm

75-36 1 PCS/M

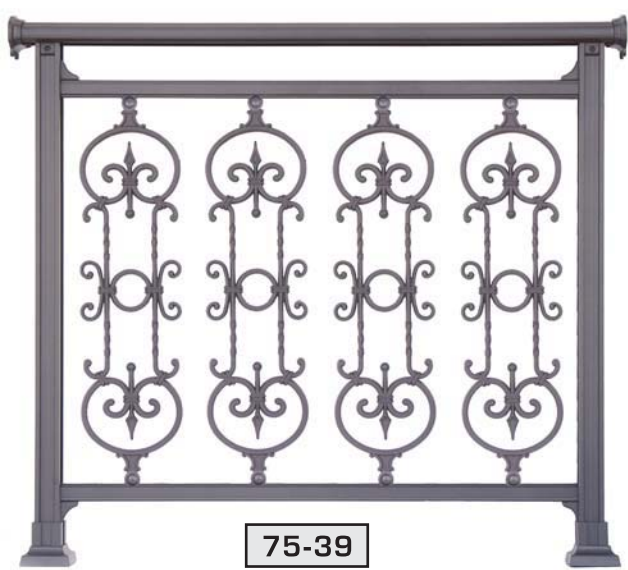
75-37 1 PCS/M

75-38 1 PCS/M

al-flex 75

al-flex 75

- STRIFTO -



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

- 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



85-36 6 PCS/M

19,5 cm



85-37 4 PCS/M

2,2 cm



85-38 9 PCS/M



PROFILE CODE
NUMBER 104

85 cm

al-flex 85

al-flex 85

- 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 85

85 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



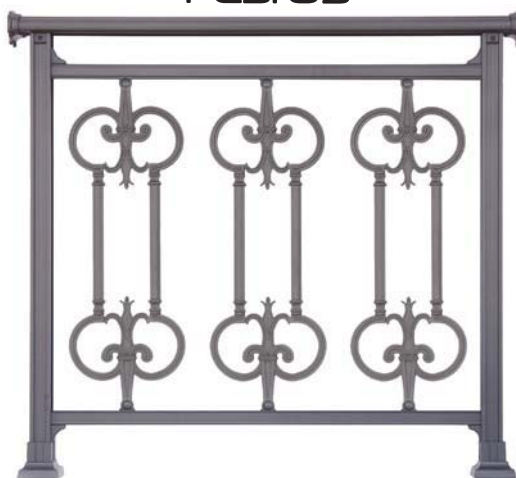
85-46 7 PCS/M

85-47 7 PCS/M

85-48 7 PCS/M

85-49 7 PCS/M

- FESTOS -



85-52

- KNOSSOS -

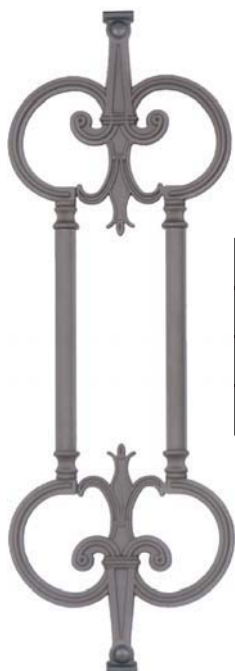


85-51

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



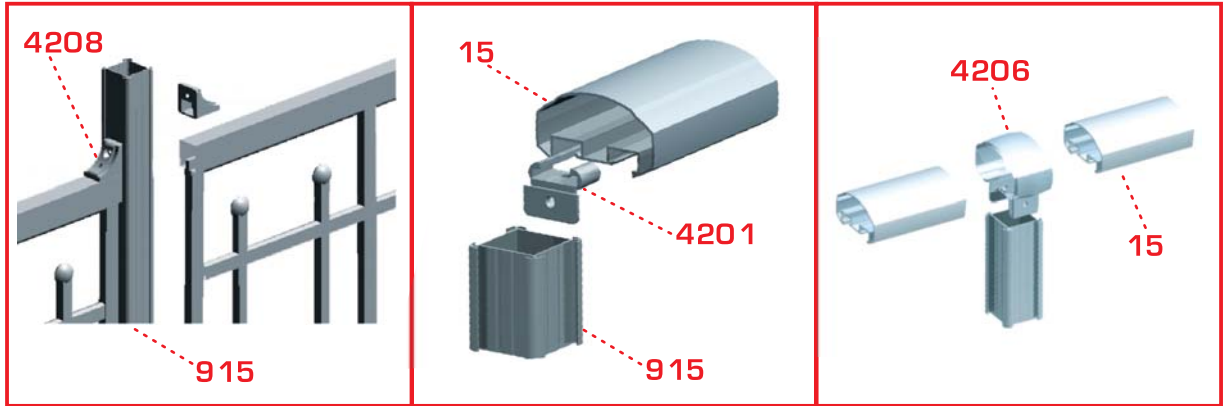
- KNOSSOS -

CODE	DIMENSIONS
65-46	65cm
75-43	75cm
85-5 1	85cm

85-51 3 PCS/M

85 cm

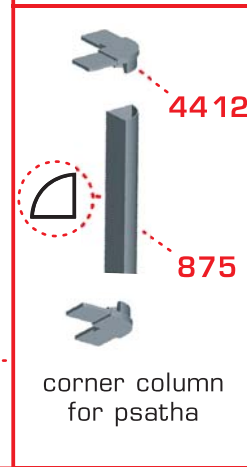
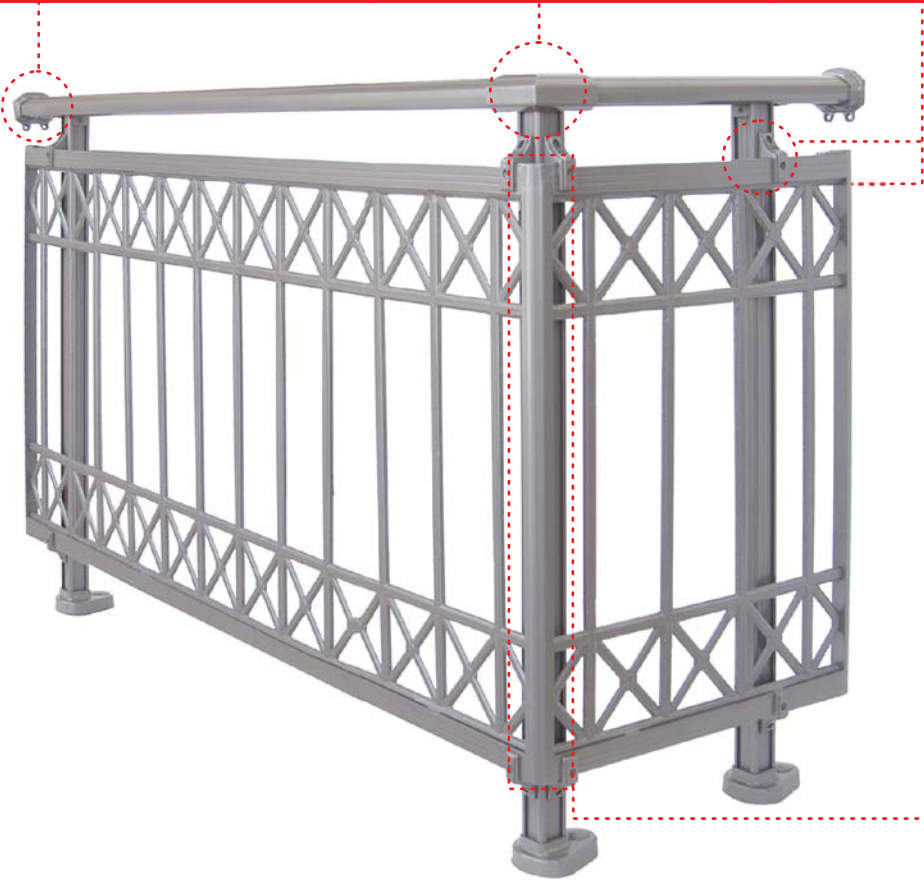
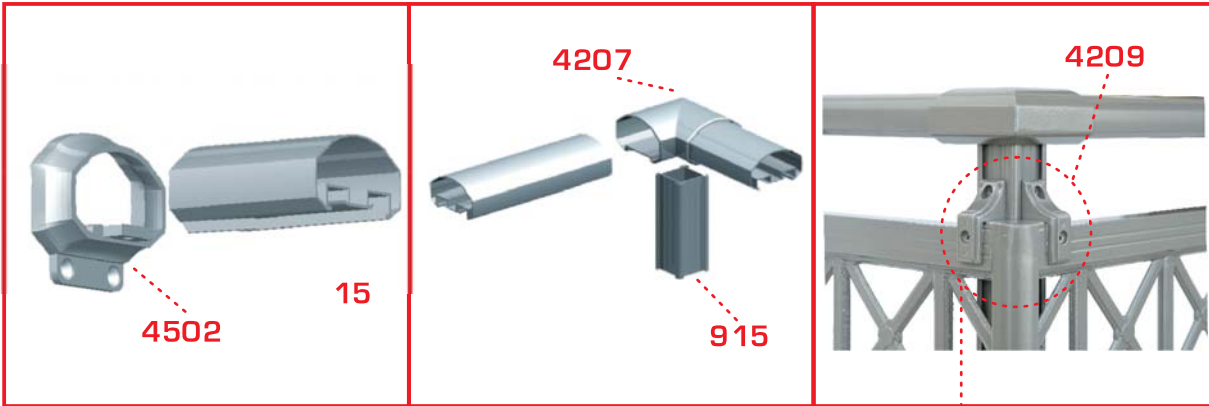
85 al-flex



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

assembly method of psatha & accessories

external psatha



code 4303
adjustable corner connection

code 4412
corner column for external psatha

code 875
profile for join corner

code 30
railtop

code 4207
corner accessory for railtop 15 & 30

code 4206
connecting accessory for railtop 15 & 30

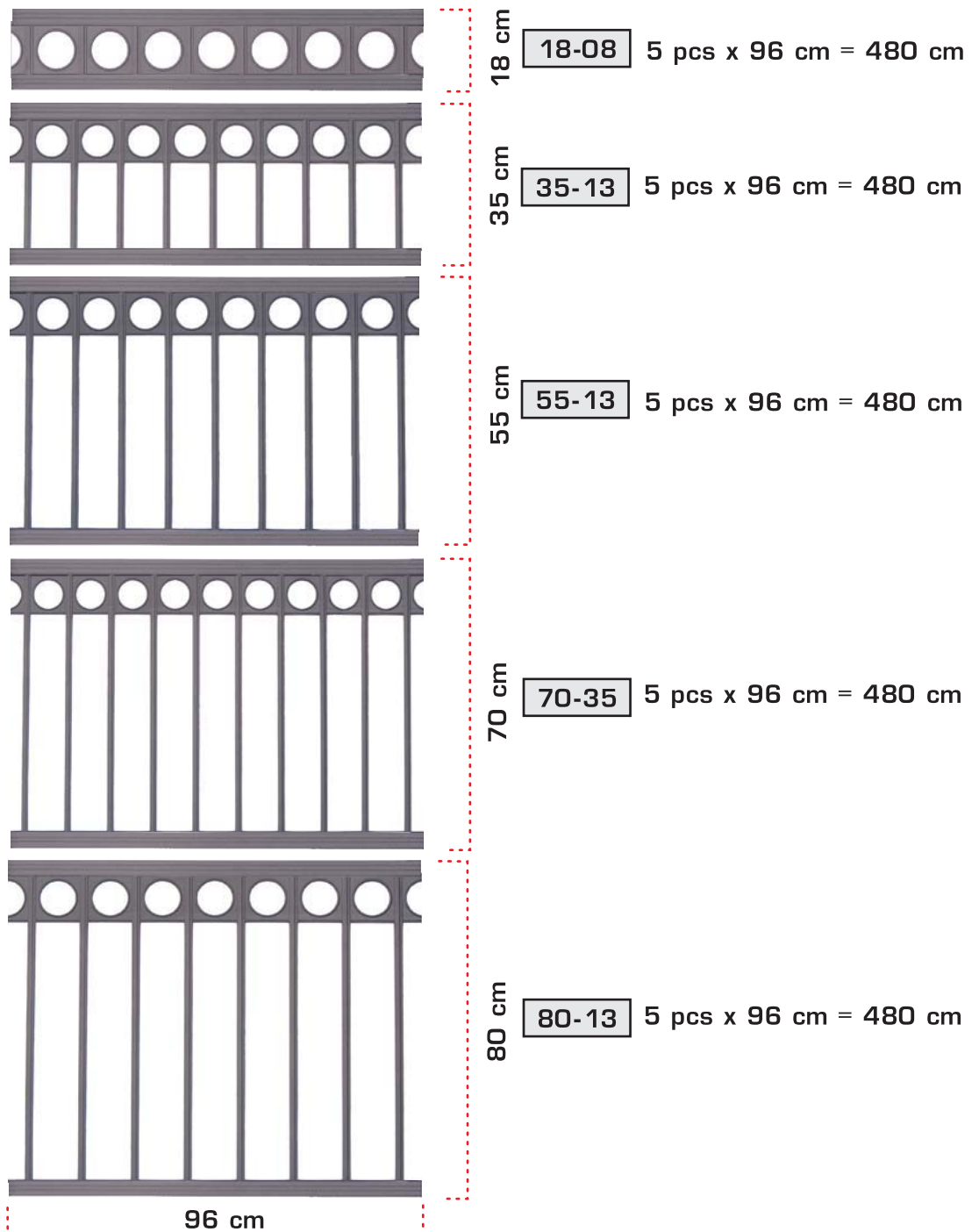
code 4502
railtop to wall attachment 15 & 30

connection of railtop 30 with column 915 with screw 4,2X50

Rail height
30 - 110 cm



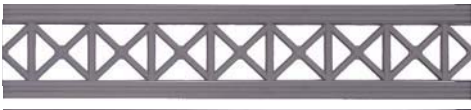












psatha modules



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

ethnikis

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

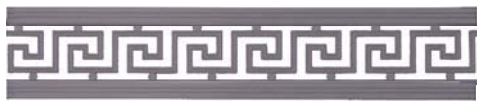
96 cm

makrijanni

Rail height
30 - 100 cm



psatha modules

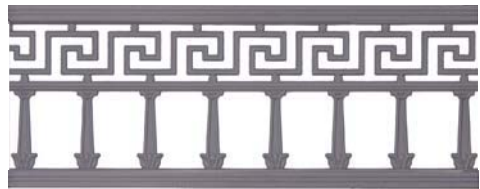


18 cm

18-01

MEANDROS

5 pcs x 96 cm = 480 cm

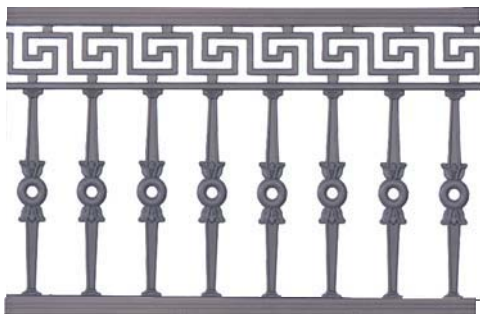


35 cm

35-05

ATHENIAN B

5 pcs x 96 cm = 480 cm

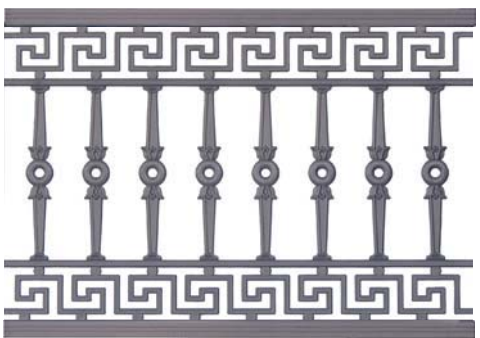


55 cm

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

athreia

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

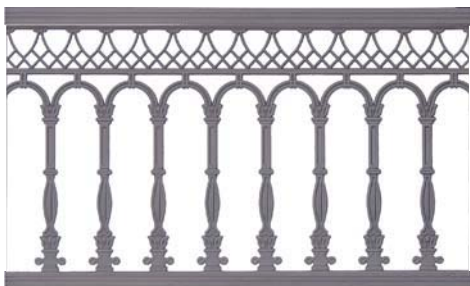


35 cm

35-01

KAMARA B

5 pcs x 96 cm = 480 cm

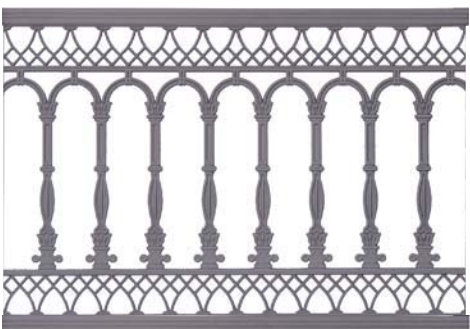


55 cm

55-02

KAMARA A

5 pcs x 96 cm = 480 cm



70 cm

70-12

KAMARA

5 pcs x 96 cm = 480 cm

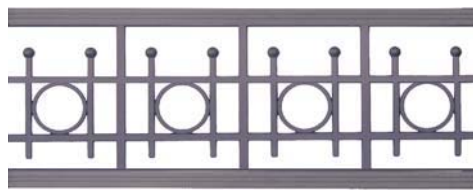
96 cm

KAMARA

Rail height
45 - 110 cm



psatha modules



35 cm

35-17

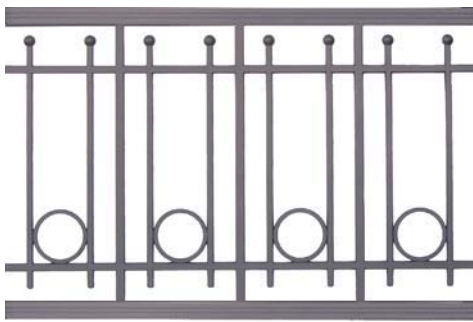
5 pcs x 96 cm = 480 cm



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

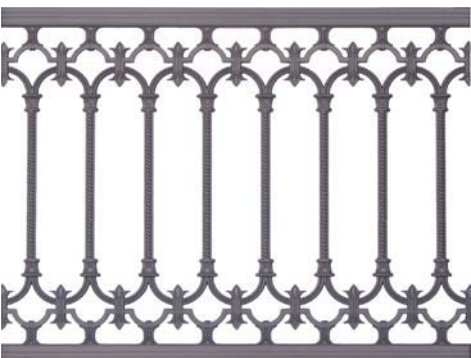


70 cm

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

KNOSOS

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

festos

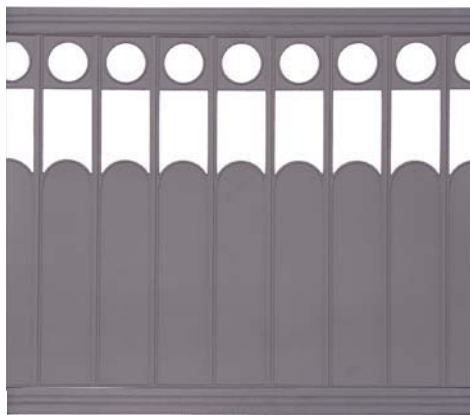
B

KNOSSES

Rail height
90 - 110 cm



psatha modules



80 cm

80-17

KYTHNOS

5 pcs x 96 cm = 480 cm



70 cm

70-31

5 pcs x 96 cm = 480 cm



80 cm

80-09

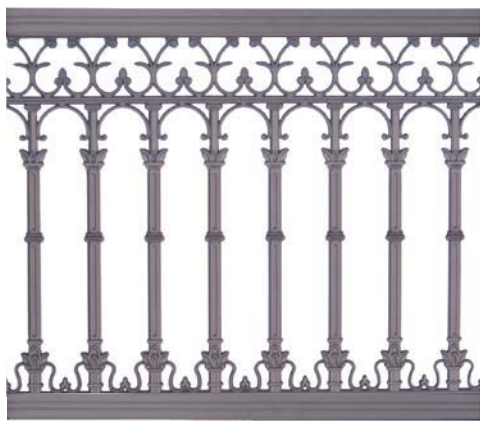
5 pcs x 96 cm = 480 cm

96 cm

Rail height
90 - 110 cm

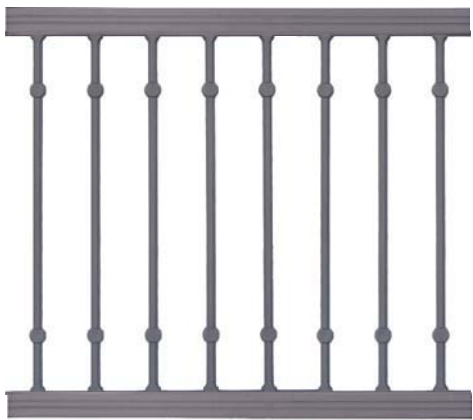


psatha modules



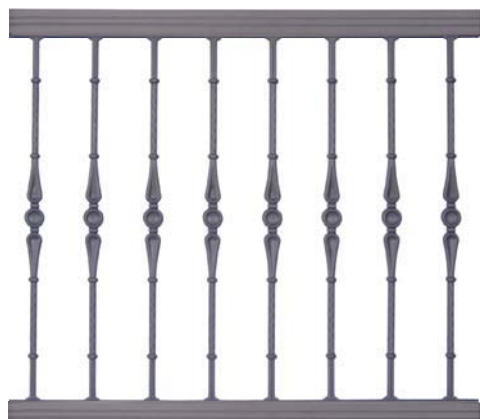
80 cm

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

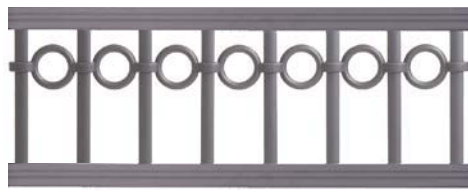
96 cm

colonial

Rail height
45 - 110 cm



psatha modules



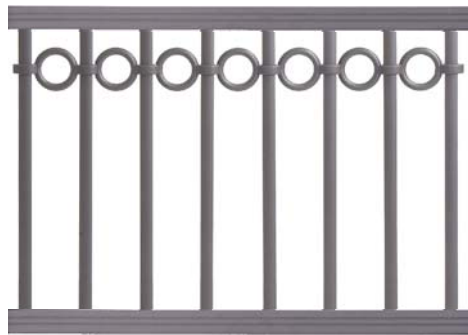
35 cm

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

aluminco

Rail height
45 - 110 cm



psatha modules



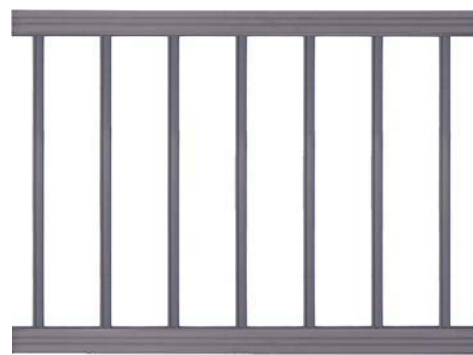
35 cm

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



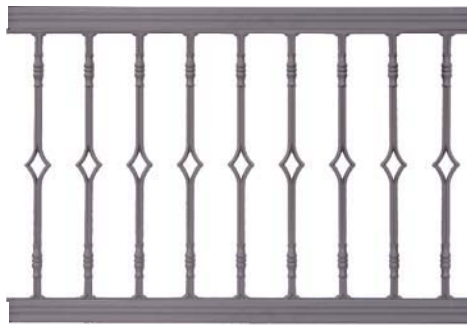
psatha modules



35 cm

35-14

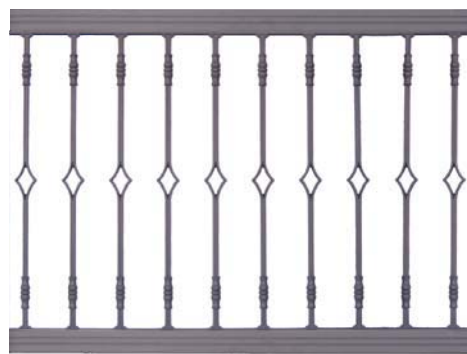
5 pcs x 96 cm = 480 cm



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

astari A

Rail height
45 - 110 cm



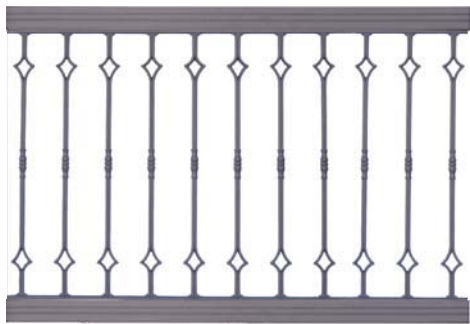
psatha modules



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



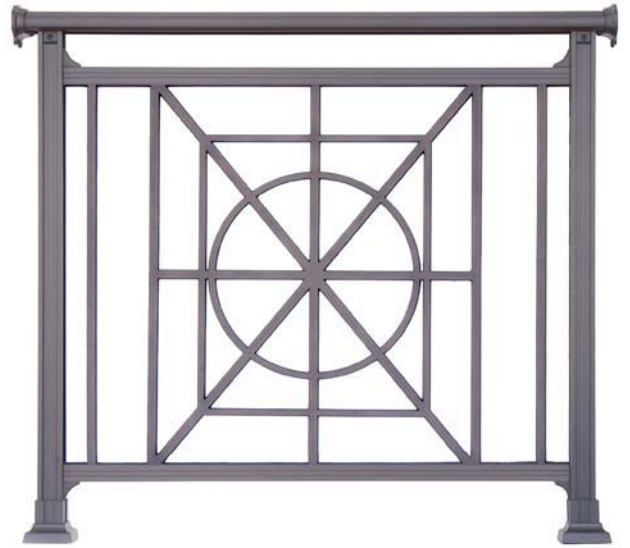
80 cm

80-10

5 pcs x 96 cm = 480 cm

96 cm

Rail height
90 - 110 cm



psatha modules

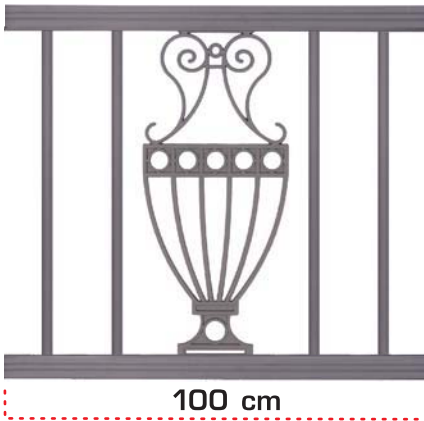


80 cm

EFESSOS

80-14

5 pcs x 96 cm = 480 cm



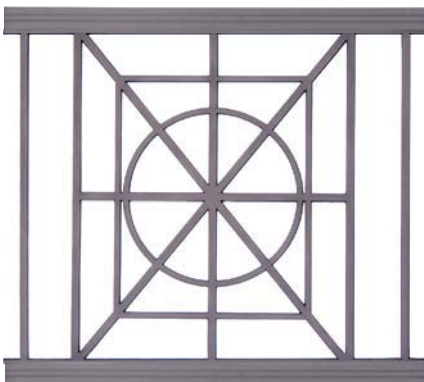
80 cm

AMFOREAS

80-15

5 pcs x 100 cm = 500 cm

100 cm



80 cm

GEOMETRIC

80-21

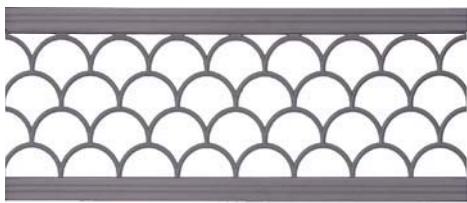
5 pcs x 96 cm = 480 cm

96 cm

Rail height
45 - 80 cm



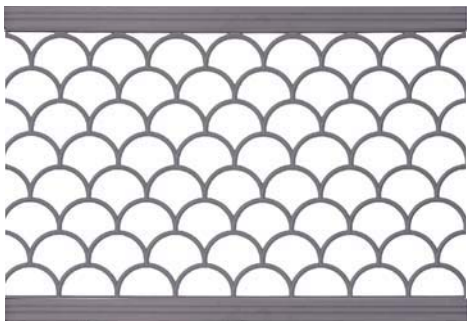
psatha modules



35 cm

35-12

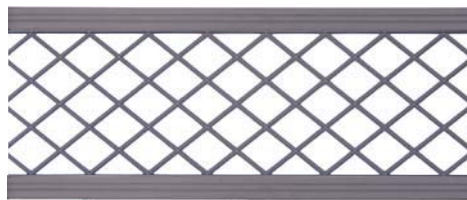
5 pcs x 96 cm = 480 cm



55 cm

55-12

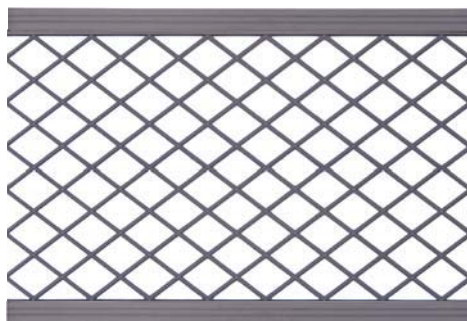
5 pcs x 96 cm = 480 cm



35 cm

35-11

5 pcs x 96 cm = 480 cm



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

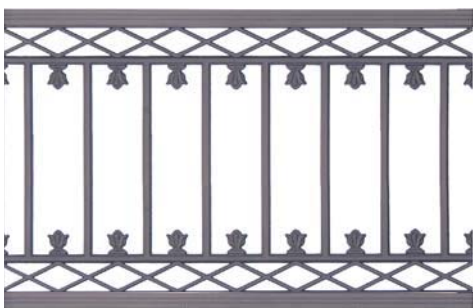


35 cm

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

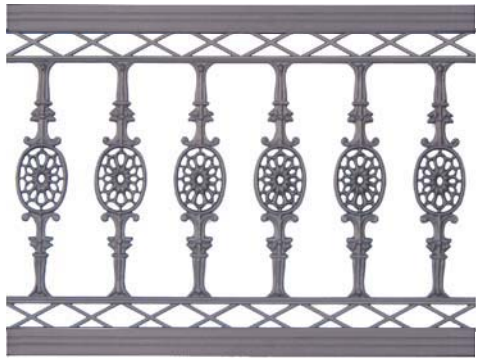
Combined with:
70-05
70-06
70-07

96 cm

Rail height
80 - 100 cm



psatha modules



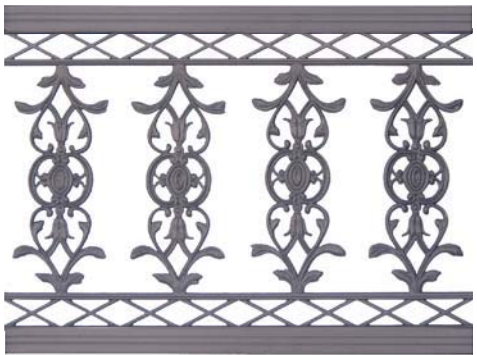
70 cm

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

Rail height
80 - 100 cm



psatha modules



70 cm

70-05

HERON

2 pcs x 108 cm = 216 cm
Combined with: 70-01
70-02
70-03
70-04

84 cm



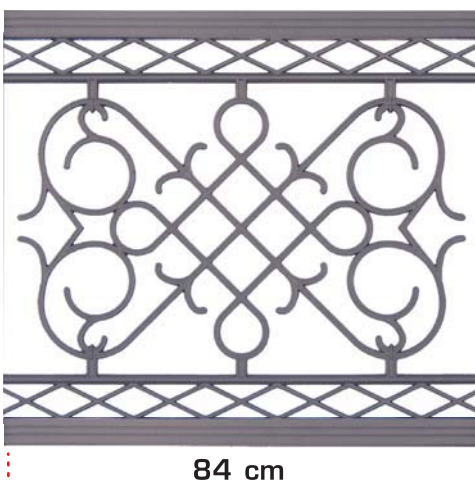
70 cm

70-06

DRAGON

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

96 cm



70 cm

70-07

Combined with:

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

84 cm

Rail height
30 - 100 cm



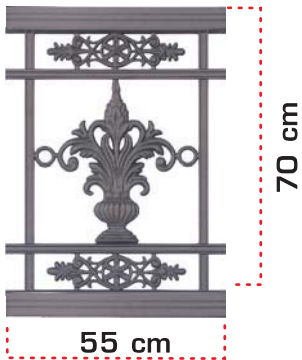
psatha modules



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

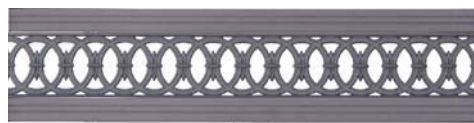
Combined with: 70-21
70-10

PERIKOVIDA

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

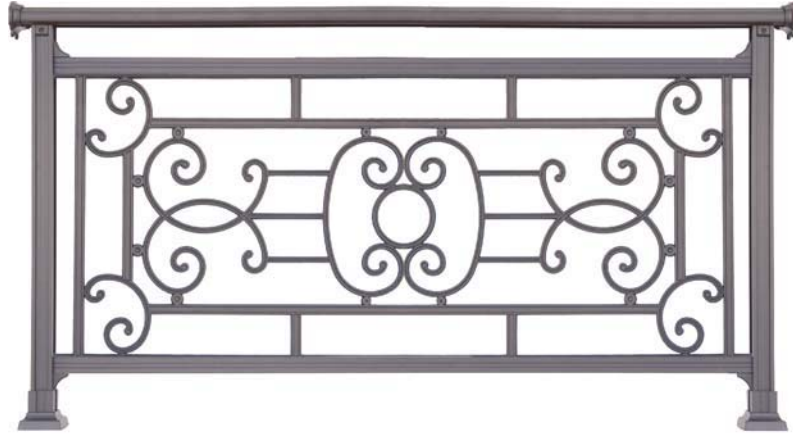


70 cm

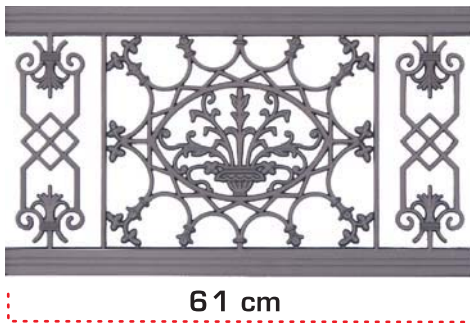
70-10 LINEAR
5 pcs x 96 cm = 480 cm
Combined with: 70-16 70-20
70-17 70-21
70-18 70-22
70-19 70-23

96 cm

Rail height
50 - 100 cm



psatha modules



35 cm

35-10

ANTHODESMI

61 cm



70 cm

70-14

DOLPHIN

5 pcs x 96 cm = 480 cm

96 cm



70 cm

70-32

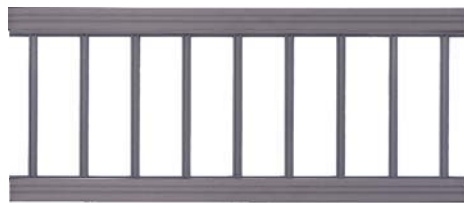
6 pcs x 79 cm = 474 cm
Combined with: 70-10

79 cm

Rail height
60 - 80 cm



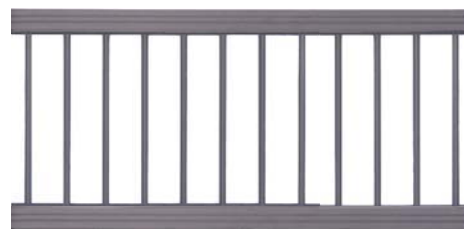
psatha modules



47,5 cm

1075

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



42 cm

42-02

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



54 cm

55-11

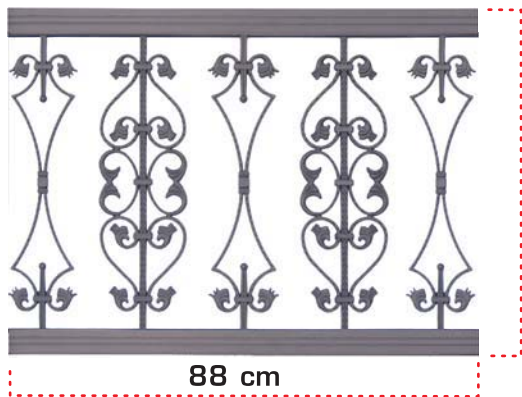
8 pcs x 60 cm = 480 cm
Combined with: 55-10

60 cm

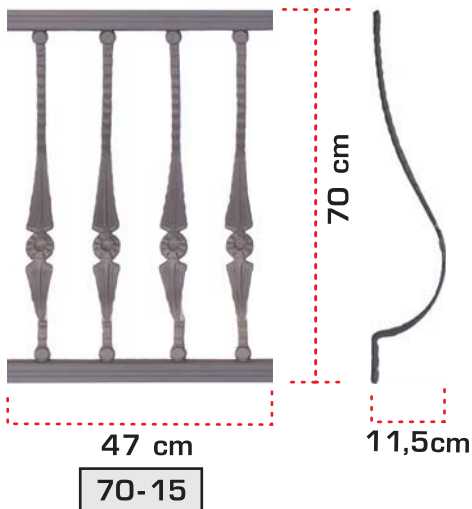
Rail height
80 - 110 cm



psatha modules

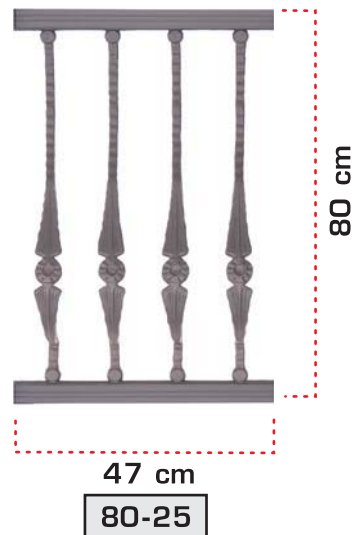


KARAVOLO WITH SAITA
70-27 5 pcs x 88 cm = 440 cm

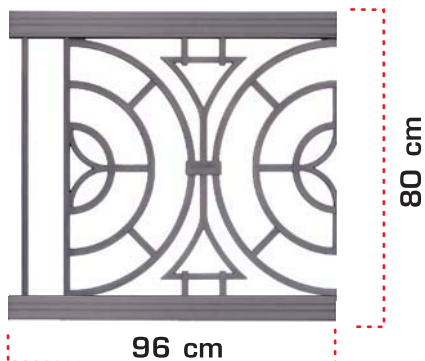


47 cm
70-15

VENITIAN
10 pcs x 47 cm = 470 cm



47 cm
80-25



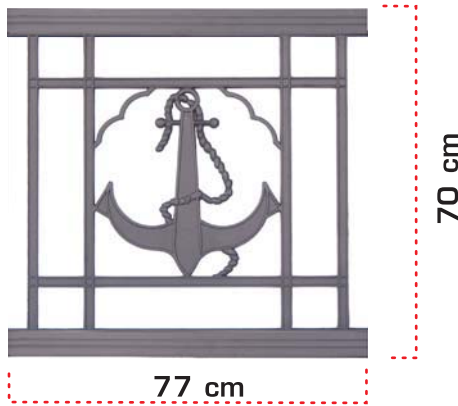
80-20 5 pcs x 96 cm = 480 cm

aluminco

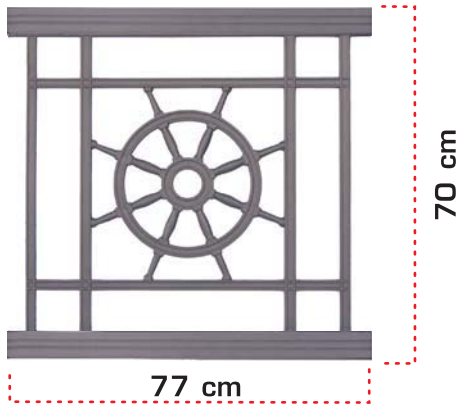
Rail height
80 - 100 cm



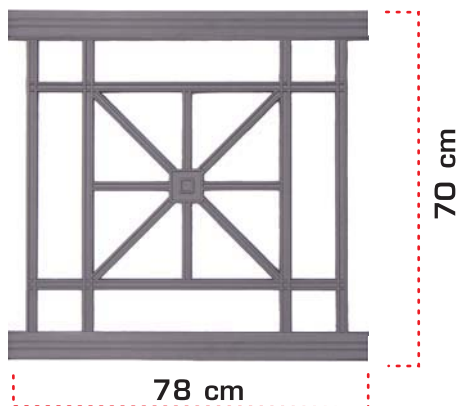
psatha modules



ANCHOR
70-18 6 pcs x 77 cm = 462 cm
Combined with: 70-10
70-16
70-17
70-19



WHEEL
70-19 6 pcs x 77 cm = 462 cm
Combined with: 70-10
70-16
70-17
70-18



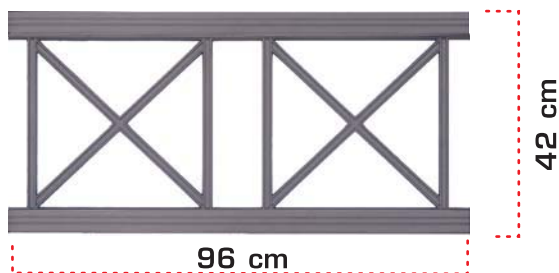
70-16 6 pcs x 78 cm = 468 cm
Combined with: 70-10
70-18
70-19

Rail height
50 - 100 cm

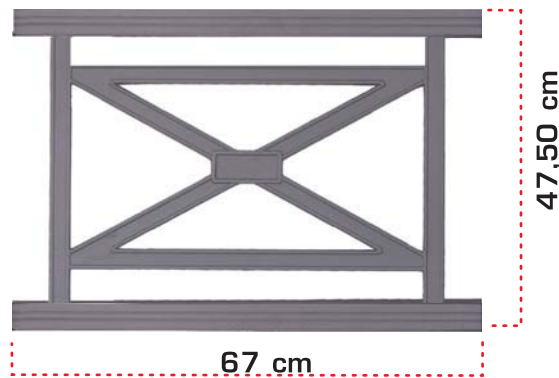


psatha modules

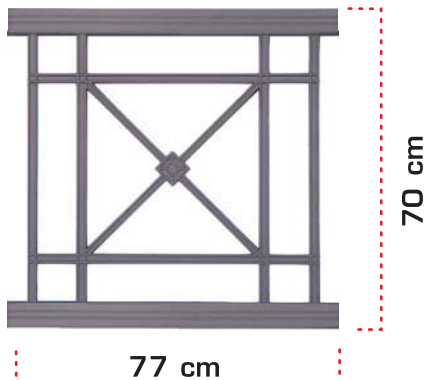
aluminco



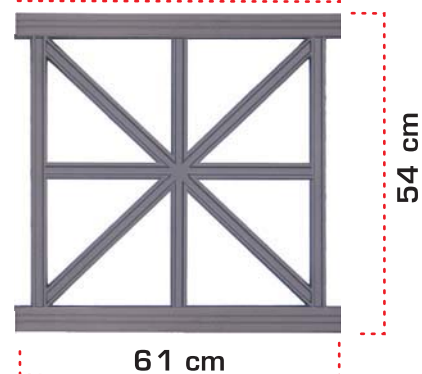
CLASSIC
42-01 5 pcs x 96 cm = 480 cm
Combined with: 42-02



CHRIMATISTIRION
55-06 7 pcs x 67 cm = 469 cm
Combined with: 1075



DORIC
70-17 6 pcs x 77 cm = 462 cm
Combined with: 70-10
70-18
70-19

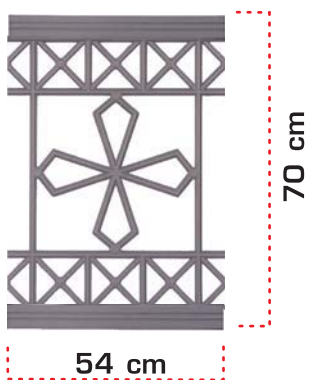


55-10 8 pcs x 61 cm = 488 cm
Combined with: 55-11

Rail height
80 - 110 cm

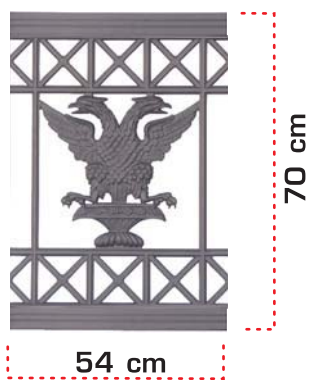


psatha modules



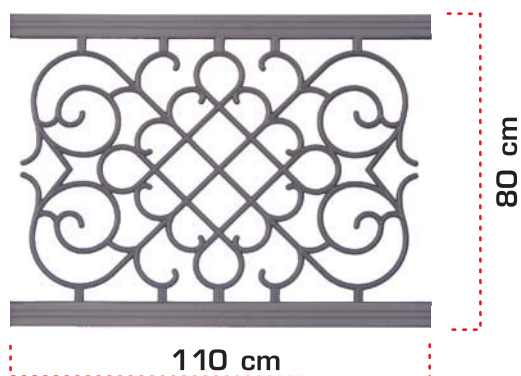
CROSS

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

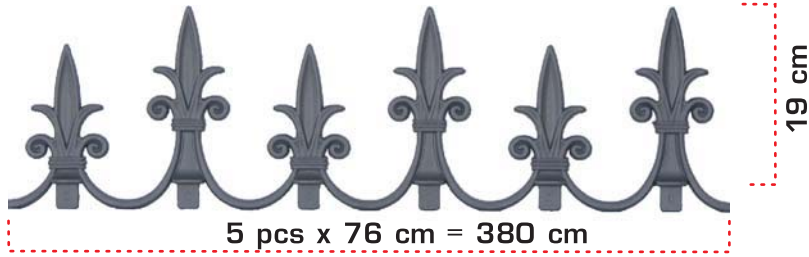


DIKEPHALOS

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

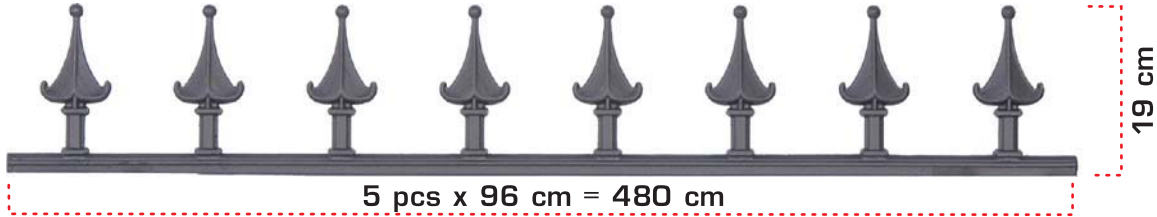


80-02 Combined with: 80-03



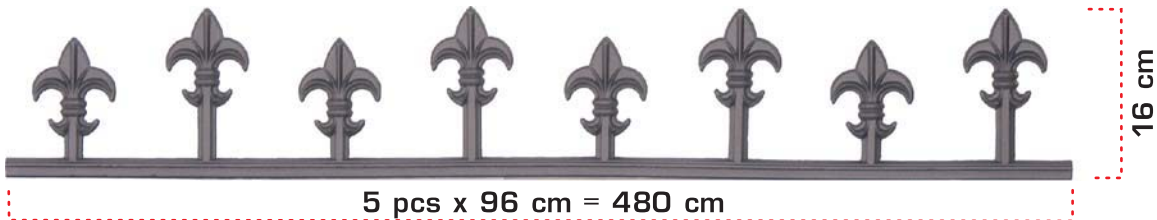
239

- DORY -



19-10

- AKRO LONGHIS -



16-11

- SPATHA -



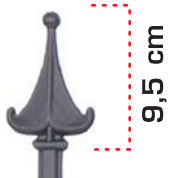
16-12

- KAMBANA -



13-13

- LONGHI -



6,3 cm

42



1,6 cm

45



9 cm

240



3,5 cm

267



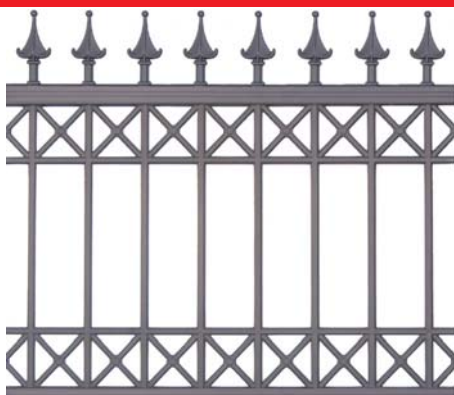
3,5 cm

268



psatha fencing combinations

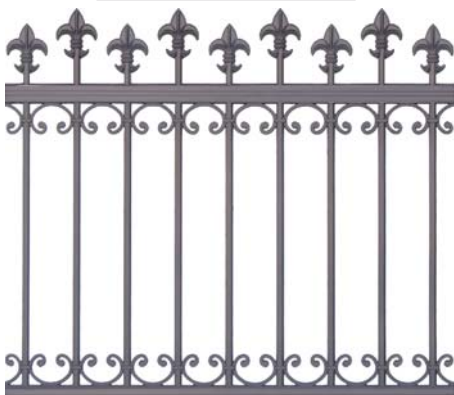
FENCE HEIGHT FROM 30cm UP TO 120cm



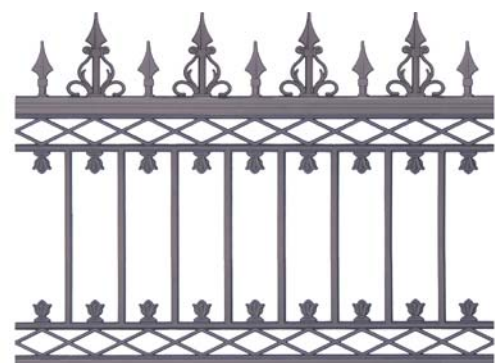
19-10 + 70-11



16-12 + 70-24



16-11 + 70-13



16-12 + 55-04

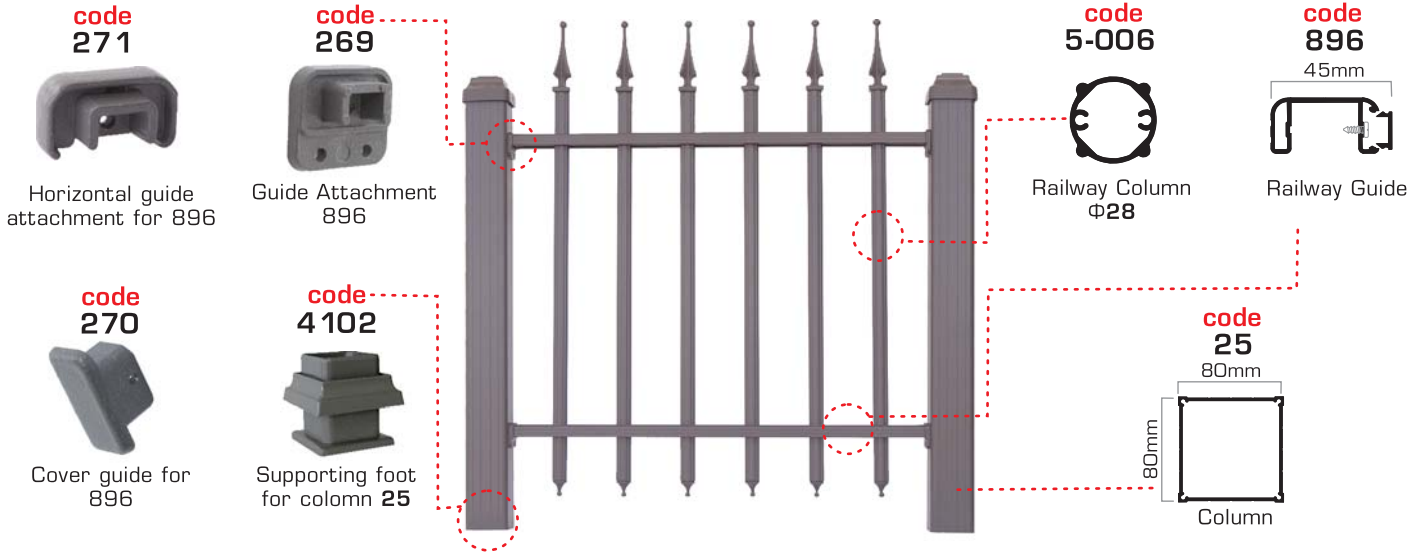


16-12 + 70-14 + 13-13



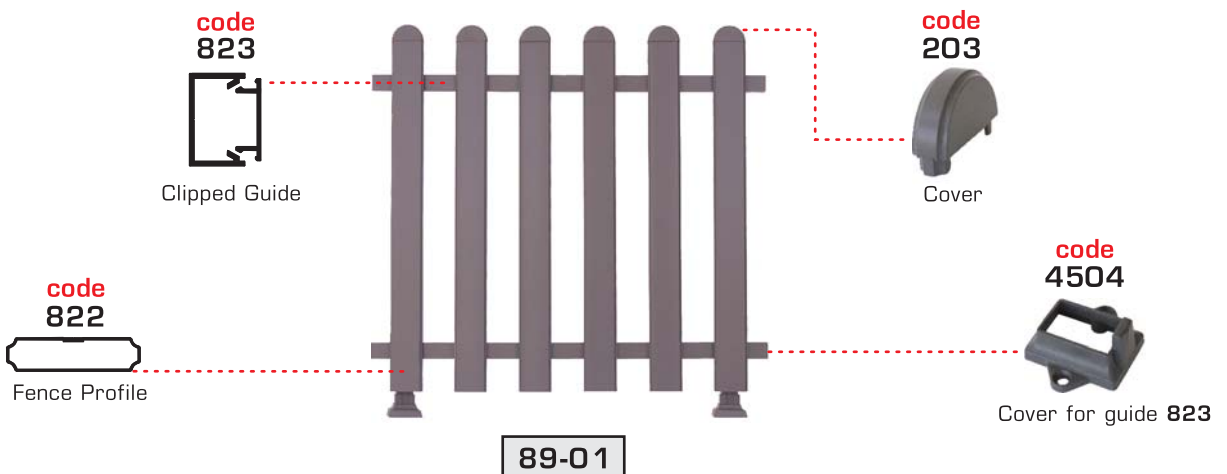
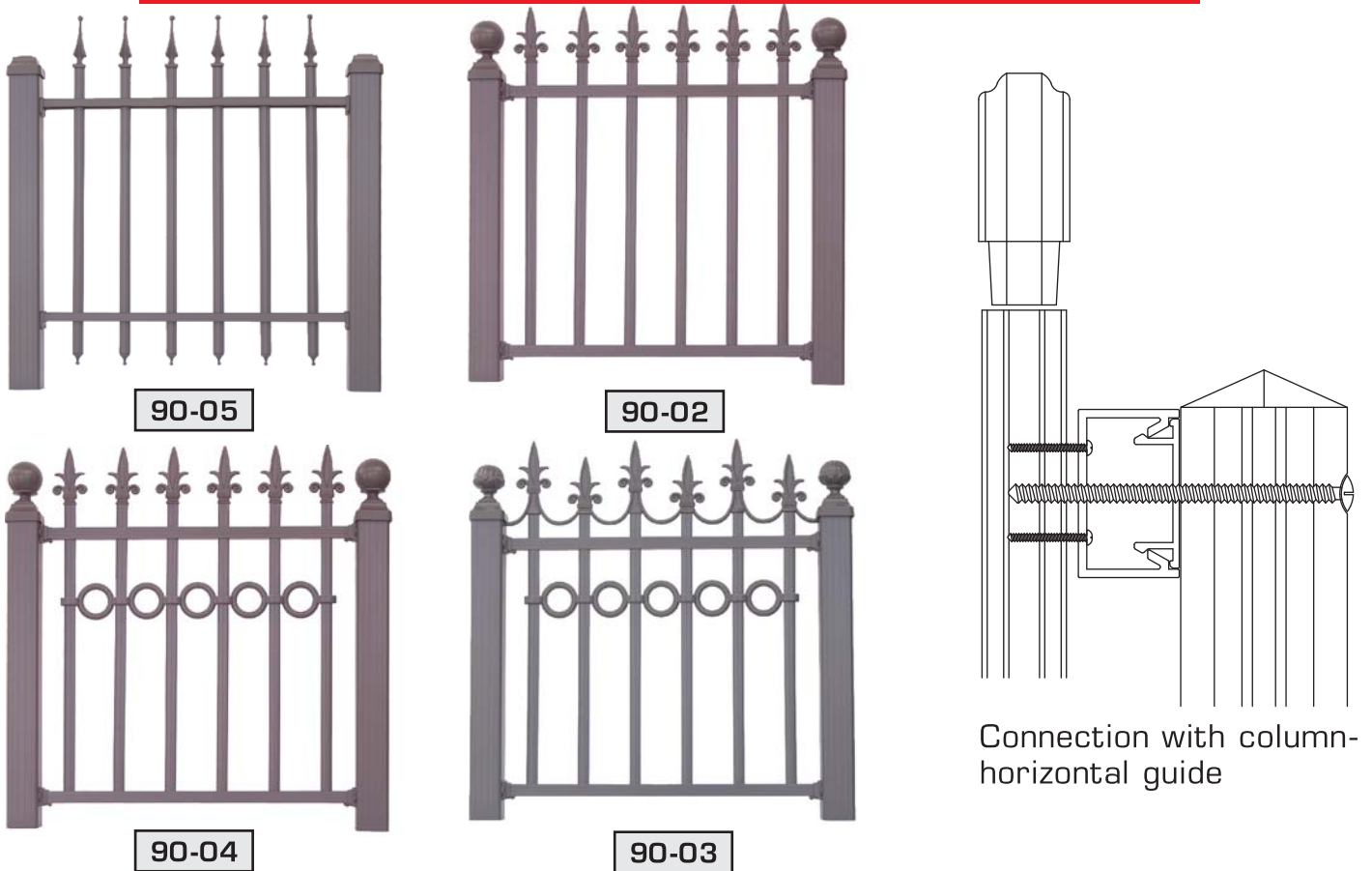
16-12 + 35-02

aluminco fencing combinations



psatha fencing combinations

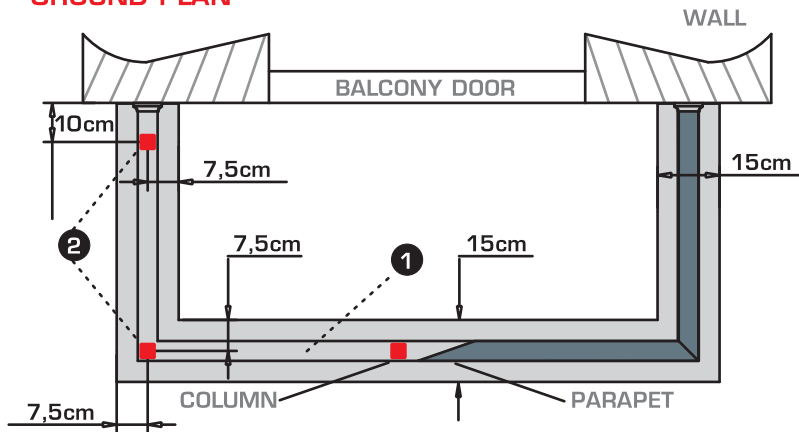
FENCE HEIGHT FROM 30cm UP TO 200cm



ways to measure & install rails - gates

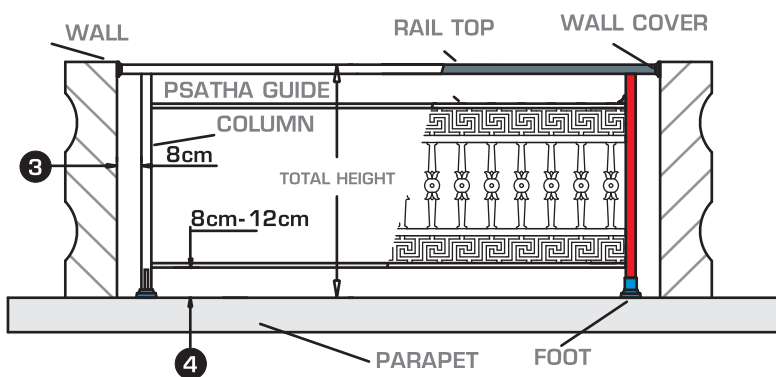
ways to measure

GROUND PLAN



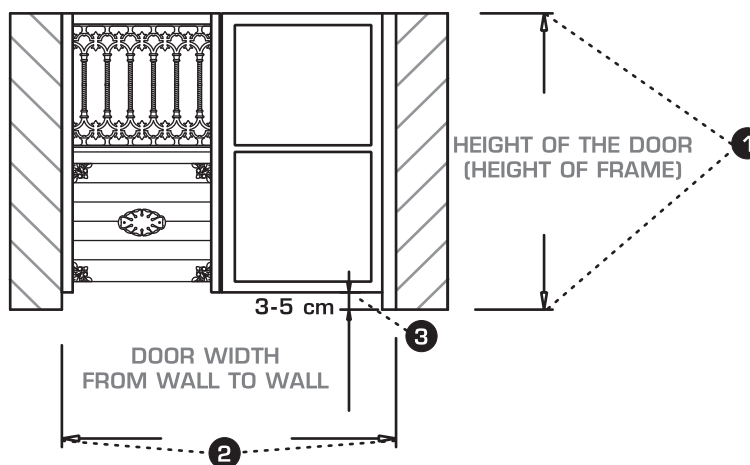
- 1 The rail is installed in the center of the balcony parapet.
- 2 The measurements are taken from the wall to the centre of the column and afterwards to the center of the next column.
- 3 The distance between the wall and the external side of the column must be 8cm.

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

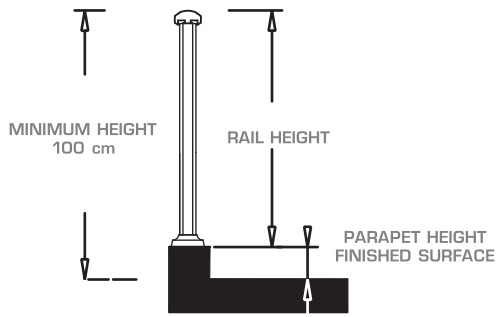


NECESSARY INFORMATION REQUIRED FOR GATES

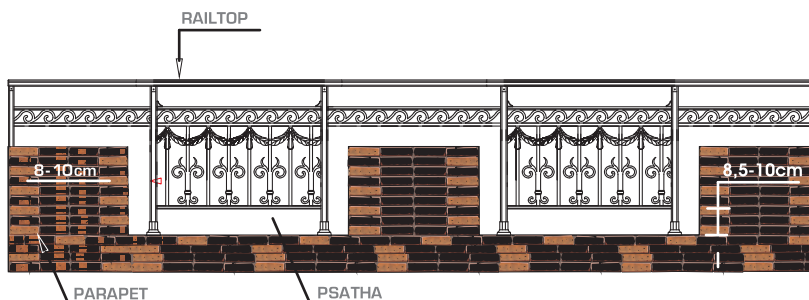
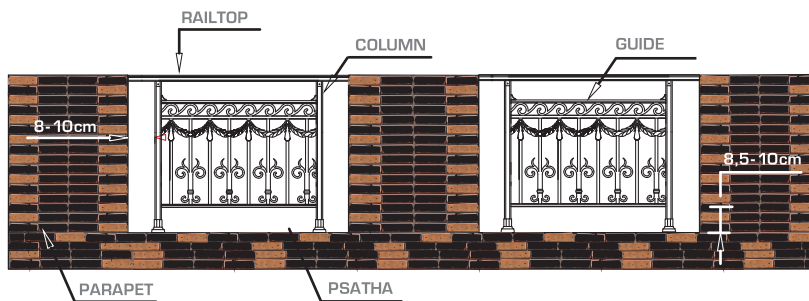
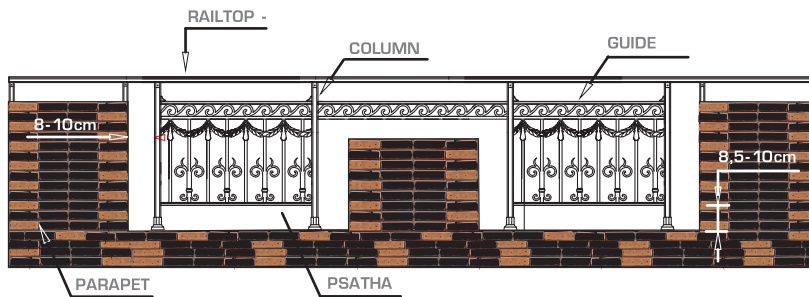
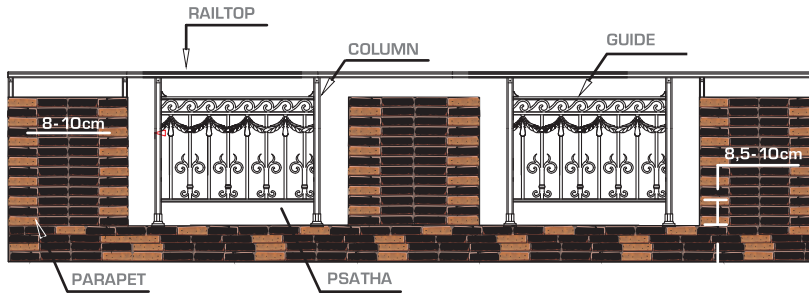
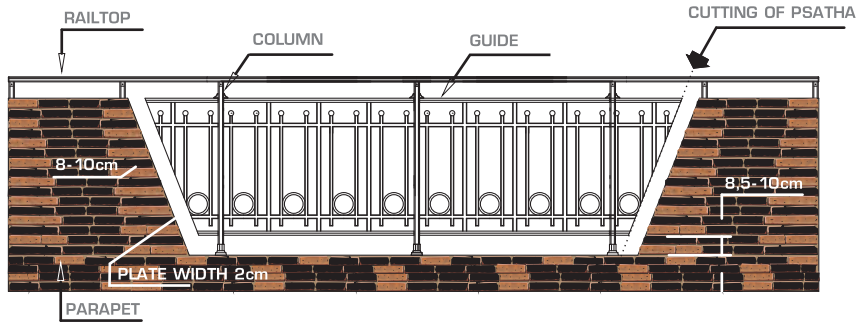
- Opening gate - Sliding gate.
- Single - Double.
- Opening direction of the gate when looking on from the outside To the left To the right.

- 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.



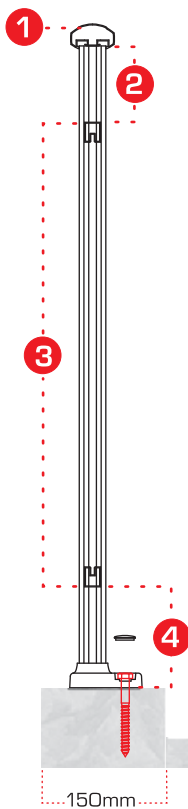
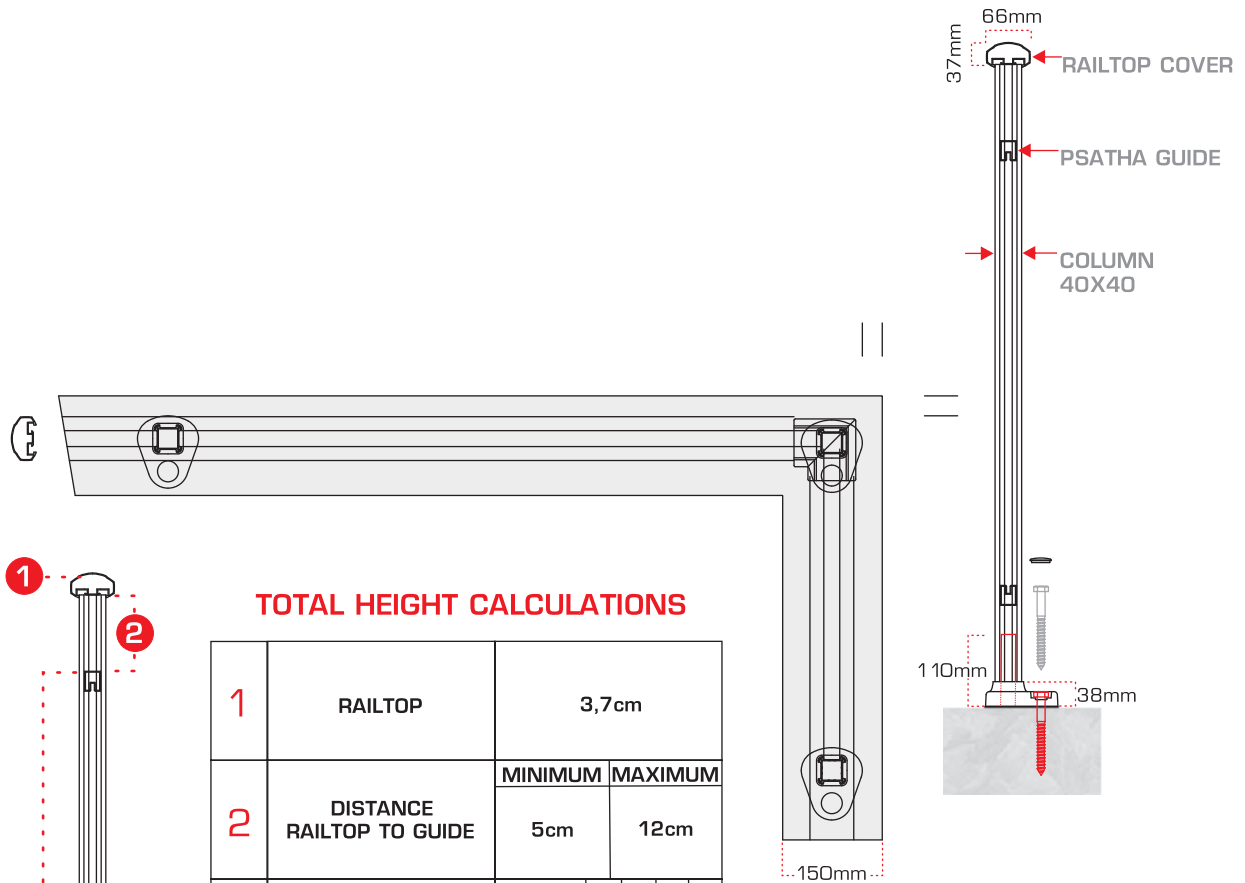


PARAPET HEIGHT	RAIL HEIGHT
10 cm	90 cm
20 cm	80 cm
30 cm	70 cm
40 cm	60 cm



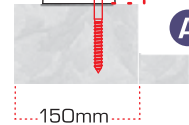
ways to measure & install rails - gates

ways to measure

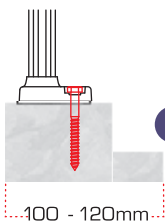


TOTAL HEIGHT CALCULATIONS

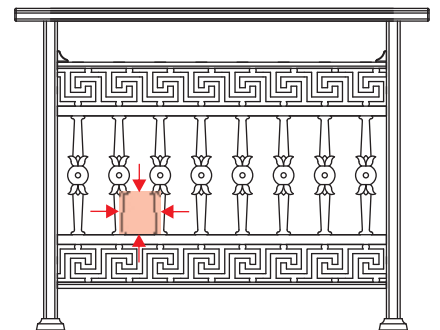
1	RAILTOP	3,7cm				
		MINIMUM		MAXIMUM		
2	DISTANCE RAILTOP TO GUIDE	5cm		12cm		
		MINIMUM		MAXIMUM		
3	PSATHA OR AL-FLEX HEIGHT	AL- FLEX	55	65	75	85
		PSATHA	35	55	70	80
4	DISTANCE GUIDE TO GROUND	7cm		10cm		
		MINIMUM		MAXIMUM		



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



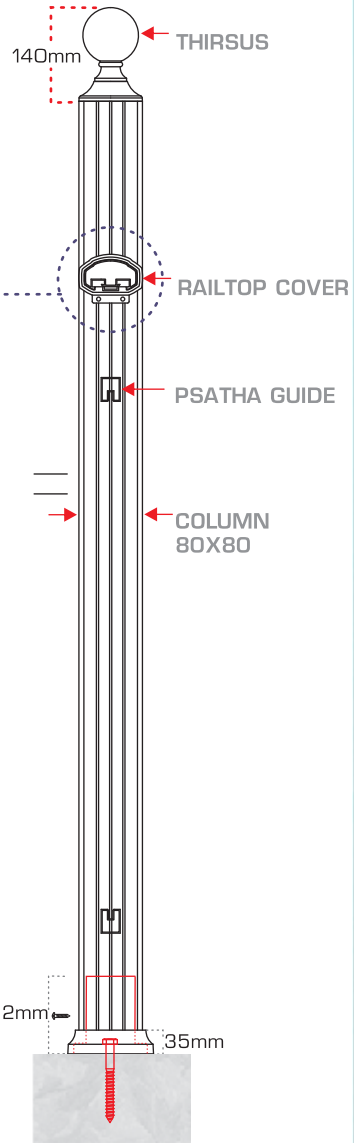
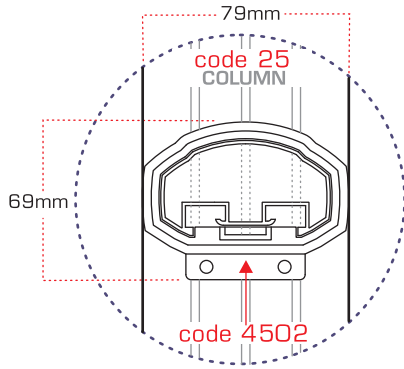
B In case of parapet width 120mm, installation of supporting base should be 10mm from the edge.



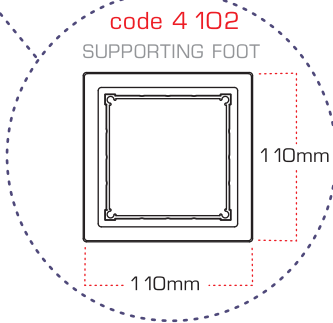
REGULATIONS

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.

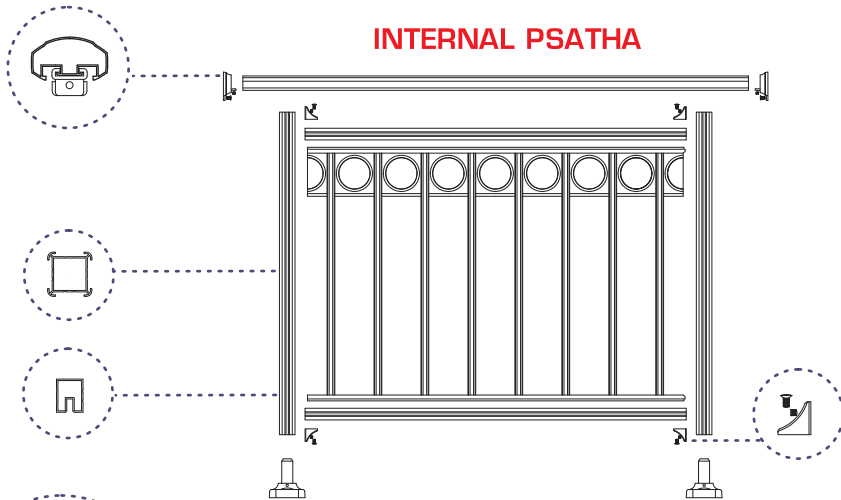
END-FINISHING RAILING FOR COLUMN 80X80 OR SIDE WALL



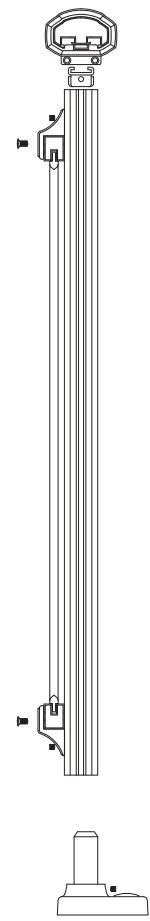
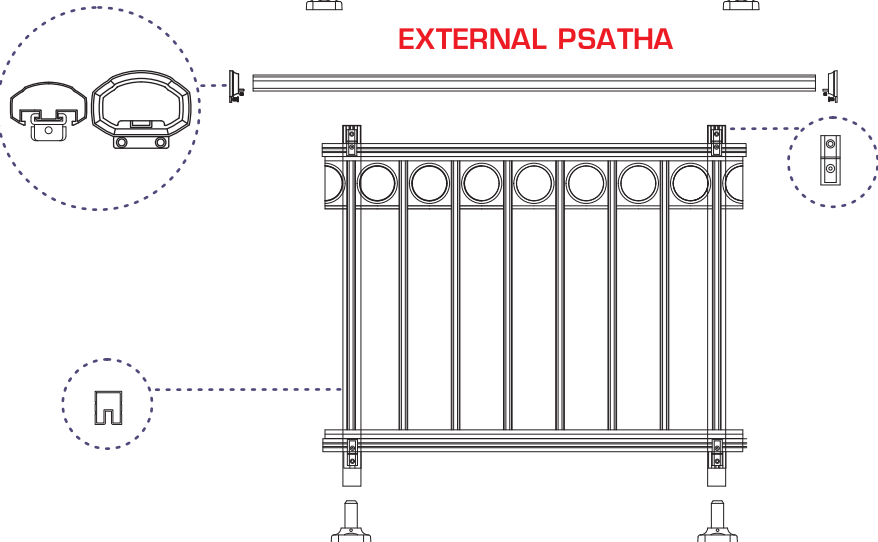
SUPPORTING OF COLUMN 80X80



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

code 40-033

Standard profile
540gr/m

code 49-016

Standard profile
320gr/m

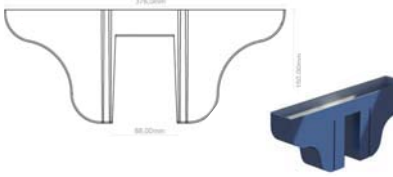
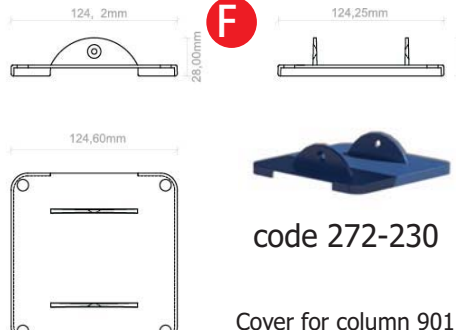
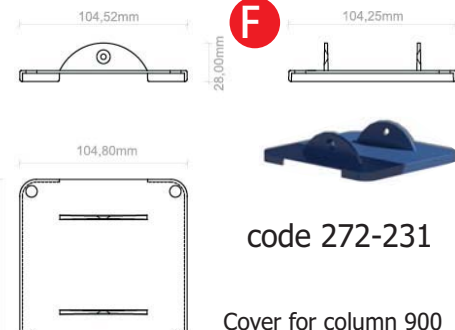
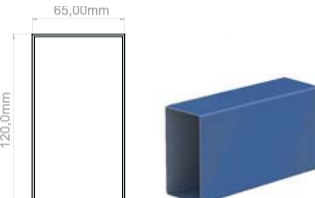
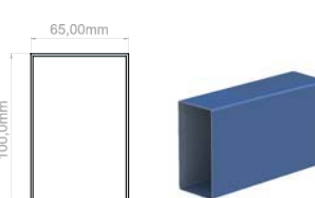
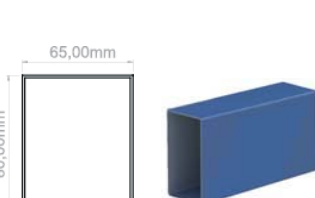
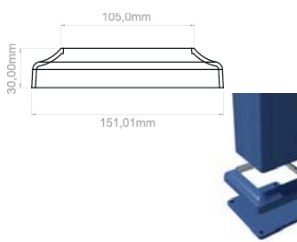
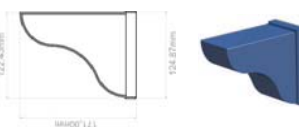
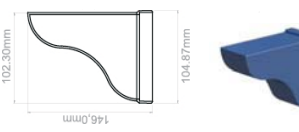
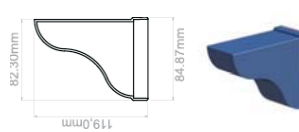
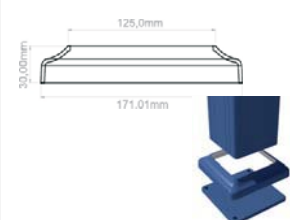
code 949
Top

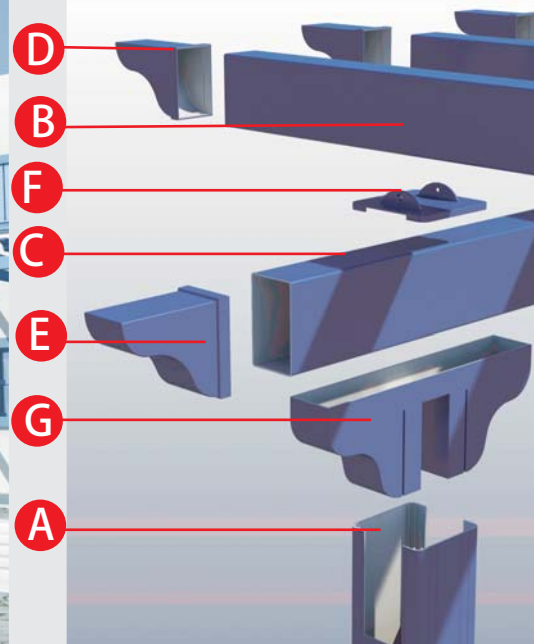
code 950
Bottom

code 948
Top

code 950
Bottom



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



TUV

AUSTRIA
HELLAS

EN ISO 9001:2008

No.: 01010151

TUV

AUSTRIA
HELLAS

EN ISO 14001:2004

No.: 04010023

SEA-SIDE CLASS



 **ISTITUTO
GIORDANO**



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