



**PRODOTTI STANDARD**  
*Standard Product Range*

### The beginning...

AL7 Meipa srl was the first company to set Georgian grilles inside IG units (1973) and since then, it has been producing them guaranteeing high quality in all production stages: from slitting to packaging.

### Environmental protection

In full respect for the environment, AL7 Meipa Srl has banned chromo from the 9 stages pretreatment of aluminium since the end of 90s and does not use any glues nor solvents in foiling Georgian bars.

### Style & Design

More than 30 kinds of Georgian bars different in shapes and dimensions allow to meet all aesthetical requirements: ancient and modern balance. With a width from 9 to 45 mm to meet all architectural requirements and a height from 5 to 10 mm for spacers from 6 mm upwards.

### Finishes & Foils

Surfaces are powder-coated by extraordinary long-lasting natural pigments with high capacities to stand extended exposure to sunlight and corrosion. Surfaces are anodized by chemical polishing and foils are certified by the most famous quality label organizations of the field.

### Quality & Certifications

AL7 Meipa Georgian bars are Qualicoat® & Qualanod® certified, manufactured in accordance with UNI EN 1279 regulation, adjustable to any architectural need, highly resistant at any latitude and climatic zone, and long-lasting. Their linear thermal transmittance is basically null: centesimal (UNI EN 10077).

### Architectural restoration of buildings

AL7 Meipa Srl proposes a wide range of solutions of Georgian bars inside insulating glass of doors and windows both for stylish buildings and for architectural restoration of buildings as required by town planning building regulations (RUE).

Georgian style enables window partitions and, for the same decorative effect, more energy conservation than Georgian bars outside insulating glass (EN 14351 enclosure J).

This catalogue shows some samples of decorative grilles, but does not want to be exhaustive. Thanks to AL7 Meipa powder coating and foiling plants, machines and equipment, it is possible to make and assemble decorative grilles with special finishes and shapes.

Georgian decorative grilles can be assembled by different systems depending on requirements.

### Dalla materia prima

AL7 Meipa srl è stata la prima azienda (1973) ad inserire la decorazione all'interno delle vetrate isolanti e da allora sviluppa la loro produzione, garantendone la qualità in ogni fase lavorativa: dallo slitting al confezionamento.

### Ecosostenibilità

Nel rispetto dell'ambiente AL7 Meipa Srl ha bandito il cromo per il pretrattamento a 9 stadi dell'alluminio dalla fine degli anni 90 e non utilizza le colle a solventi per il rivestimento dei profili con foglia.

### Design e stile

Oltre 30 tipi di profili diversi, per forma e dimensioni, permettono di coprire tutte le esigenze estetiche: moderno e antico si equilibrano. Con un frontale che va dai 9 ai 45 mm per rispondere a tutte le esigenze architettoniche ed una profondità che va dai 5 ai 10 mm per utilizzare spaziatori da 6 mm in poi.

### Finiture e rivestimenti

Le superfici sono verniciate con pigmenti naturali dalla straordinaria durata, grandi prestazioni qualitative di resistenza all'esposizione e alla corrosione. Le superfici sono anodizzate a brillantatura chimica e la foglia utilizzata è certificata dalle migliori marche del settore.

### Qualità e certificazioni

I profili AL7 Meipa Srl sono omologati Qualicoat®, Qualanod® e prodotti in compatibilità alla normativa UNI EN 1279 e sono adattabili a qualsiasi esigenza architettonica. Resistenza superiore ad ogni latitudine e zona climatica, grande durata. Il loro contributo di trasmittanza termica lineare è praticamente nullo: centesimale (UNI EN 10077).

### Ripristino tipologico degli edifici

AL7 Meipa Srl propone una vasta gamma di soluzioni di profili in stile Inglese all'interno delle vetrate isolanti per porte e finestre sia per le costruzioni in stile sia per il ripristino tipologico degli edifici così come richiesto dai Regolamenti Edilizi Urbanisti (RUE) comunali.

Lo stile inglese permette il mantenimento delle partizioni delle finestre e a parità di effetto decorativo un risparmio energetico rispetto ai profili esterni alle vetrate isolanti (EN 14351 allegato J).

Questo catalogo riporta alcune decine di esempi di griglie decorative, ma non intende essere esaustivo. Grazie agli impianti di verniciatura e di rivestimento, alle macchine e alle attrezzature presenti in AL7 Meipa Srl è possibile costruire griglie con forme e finiture speciali.

Le griglie possono essere assemblate, a seconda delle necessità, con diversi sistemi di giunzione.

# Bends

# Edwardians & Margins



GB1 (< 600mm wide)  
GB2 (> 600mm; < 1000mm wide)  
GB3 (> 1000mm wide)

Bend (with clean cut ends & fixing kit)



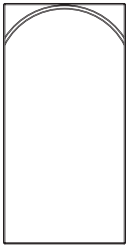
GBSB1 (< 600mm wide)  
GBSB2 (> 600mm; < 1000mm wide)  
GBSB3 (> 1000mm wide)

Sunburst Bend (semi-circle)

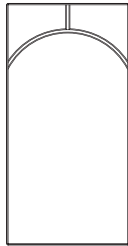


GBSA1 (< 600mm wide)  
GBSA2 (> 600mm; < 1000mm wide)  
GBSA3 (> 1000mm wide)

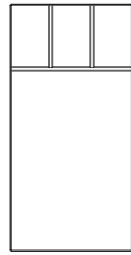
Sunburst Arc



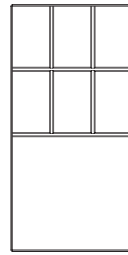
GBPA  
Plain Arch



GBDA  
Dropped Arch



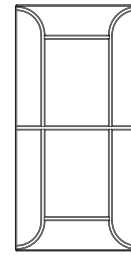
Plain Edwardian  
GPE4



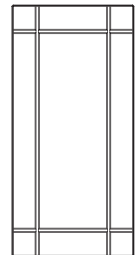
Edwardian Sash  
GPE7



Edwardian Arch  
GPE4A



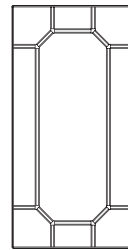
Curved Margin  
GPMC8



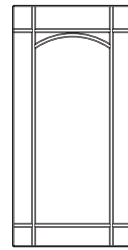
Plain Margin  
GPM9



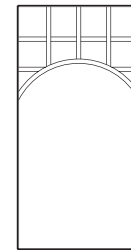
Divided Margin  
GPM11



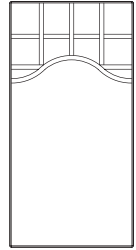
Diamond Margin  
GPDm9



Arched Margin  
GPM9A

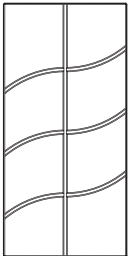


Arched Edwardian  
GPAE10

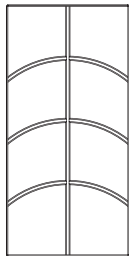


Shaped Arched  
Edwardian  
GPSAE10

# Contemporary



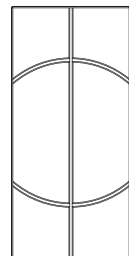
A GPCA



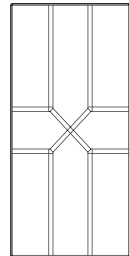
B GPCB



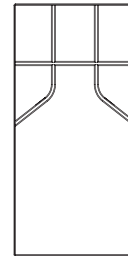
C GPCC



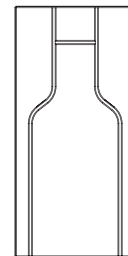
D GPCD



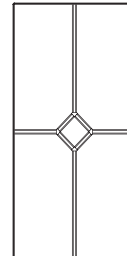
E GPCE



F GPCF



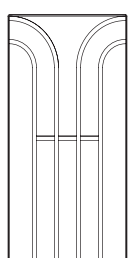
G GPCG



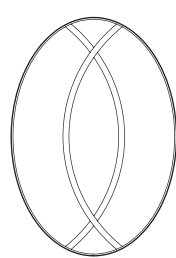
H GPCH



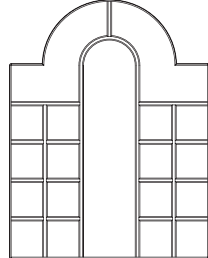
I GPCI



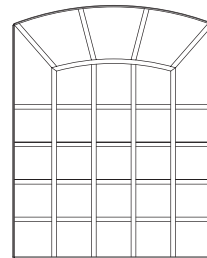
J GPCJ



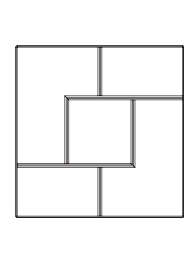
K GPCK



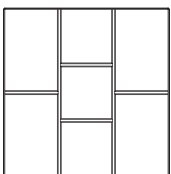
L GPCL



M GPCM

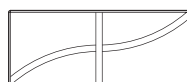


N GPCN



O GPCO

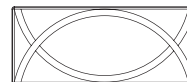
# Clerestories



Wave GPCLV



Eye GPCLE

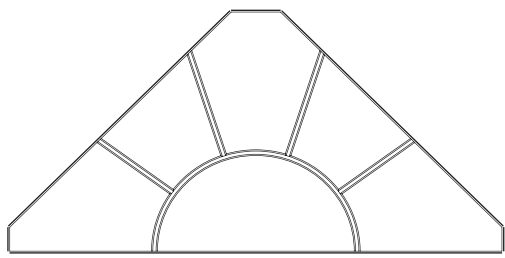


Fishtail GPCLF

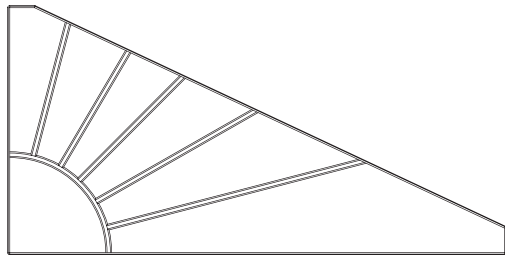


Diagonal GPCLD

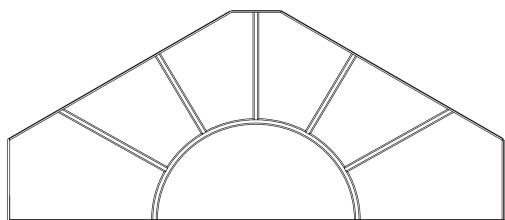
# Conservatory Gables



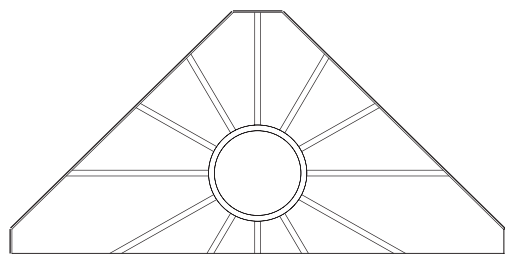
4 Spoke Sunburst GPCGS4



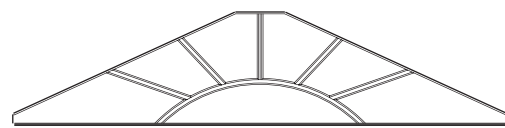
5 Spoke Triangle Sunburst GPCGT5



5 Spoke Sunburst GPCGS5

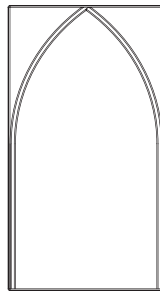


Sunset GPCGST

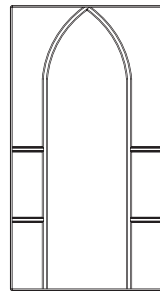


5 Spoke Sunrise Arc GPCGSA5

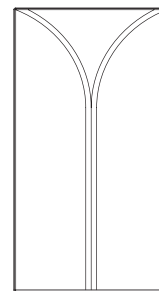
# Gothics



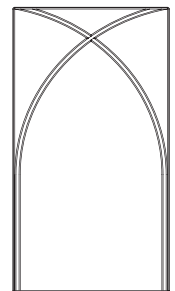
Gothic Arch GPGOA



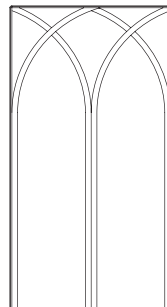
Margin Gothic GPGOM



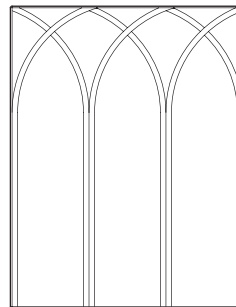
Split Gothic Arch GPGOSA



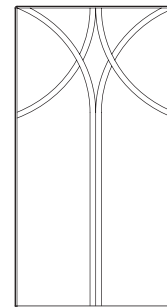
Single Gothic GPGOS



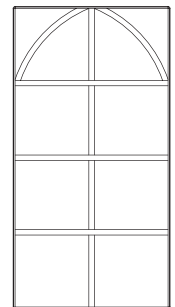
Double Gothic GPGOD



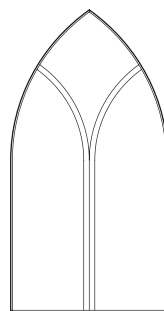
Triple Gothic GPGOT



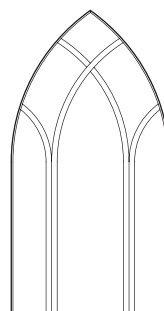
Diamond Gothic GPGODI



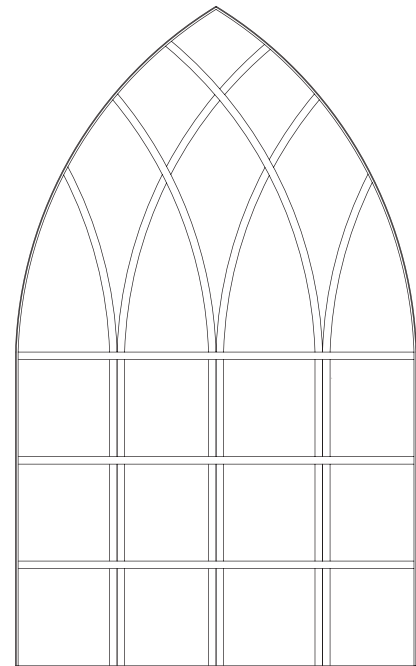
Georgian Gothic GPGOG



Single Church Gothic GPGOSC

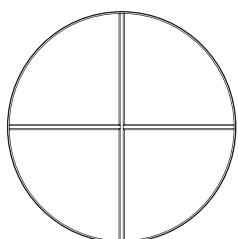


Double Church Gothic GPGODC

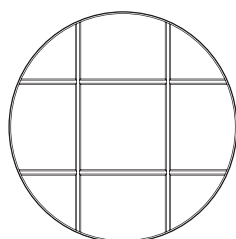


Cathedral Georgian Gothic GPGOCG

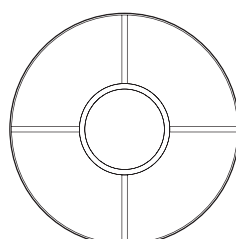
# Portholes



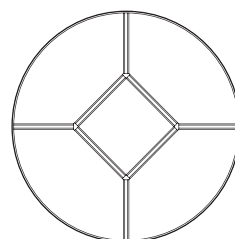
Plain Cross GPPG4



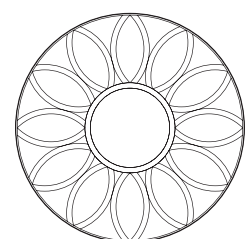
Georgian GPPG9



Wheel GPPW



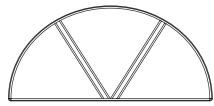
Diamond GPPD



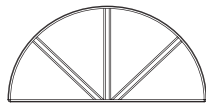
Flower GPPF

# Toplights - Fanlights & Sunbursts

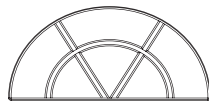
# Door Sidelights



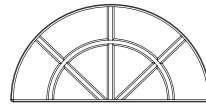
2 Spoke Fanlight  
GPF2



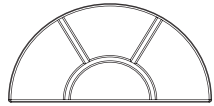
3 Spoke Fanlight  
GPF3



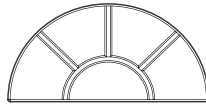
2 Thru' Spoke  
Sunburst  
GPTS2



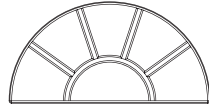
3 Thru' Spoke  
Sunburst  
GPTS3



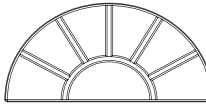
2 Spoke  
Sunburst  
GPS2



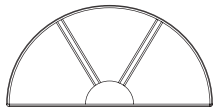
3 Spoke  
Sunburst  
GPS3



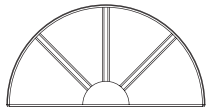
4 Spoke  
Sunburst  
GPS4



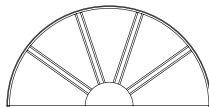
5 Spoke  
Sunburst  
GPS5



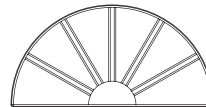
2 Spoke Bezel  
Fanlight  
GPBF2



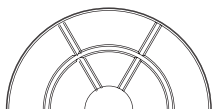
3 Spoke Bezel  
Fanlight  
GPBF3



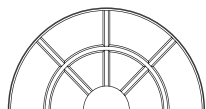
4 Spoke Bezel  
Fanlight  
GPBF4



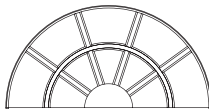
5 Spoke Bezel  
Fanlight  
GPBF5



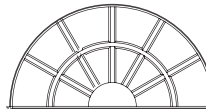
2 Spoke Bezel  
Sunburst  
GPBS2



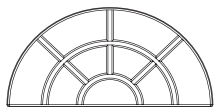
3 Spoke Bezel  
Sunburst  
GPBS3



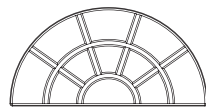
4 Spoke Bezel  
Sunburst  
GPBS4



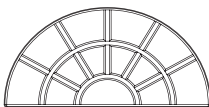
5 Spoke Bezel  
Sunburst  
GPBS5



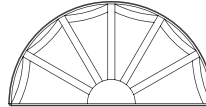
3 Spoke Double  
Sunburst  
GPDS3



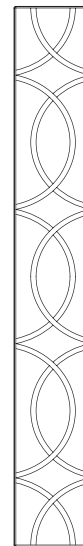
4 Spoke Double  
Sunburst  
GPDS4



5 Spoke Double  
Sunburst  
GPDS5



5 Spoke Regency  
Fanlight  
GPRF5



GPDSLA



GPDSLB

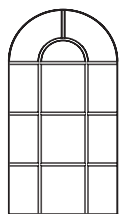


GPDSLC

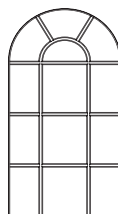


GPDSLD

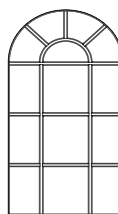
# Shaped Georgians



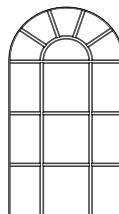
Vertical Spoke  
Shaped Georgian  
Sunburst  
GPSGS1



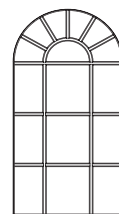
2 Spoke Shaped  
Georgian  
Sunburst  
GPSGS2



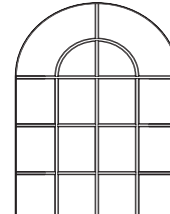
3 Spoke Shaped  
Georgian  
Sunburst  
GPSGS3



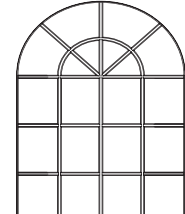
4 Spoke Shaped  
Georgian  
Sunburst  
GPSGS4



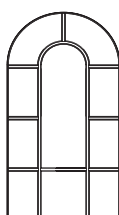
5 Spoke Shaped  
Georgian  
Sunburst  
GPSGS5



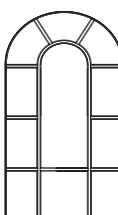
Vertical Thru Spoke  
Shaped Georgian Classic  
GPSGTC1



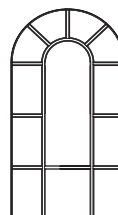
3 Thru Spoke  
Shaped Georgian Classic  
GPSGTC3



Vertical Spoke  
Shaped Margin Arch  
GPSMA1



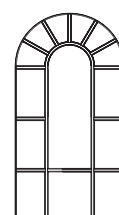
2 Spoke Shaped  
Margin Arch  
GPSMA2



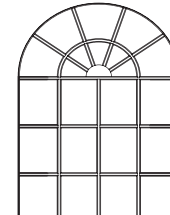
3 Spoke Shaped  
Margin Arch  
GPSMA3



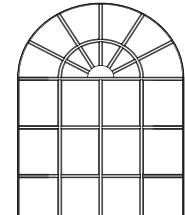
4 Spoke Shaped  
Margin Arch  
GPSMA4



5 Spoke Shaped  
Margin Arch  
GPSMA5



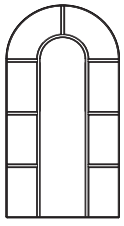
4 Spoke Bezel  
Shaped Georgian Classic  
GPSGBC4



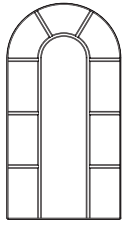
5 Spoke Bezel  
Shaped Georgian Classic  
GPSGBC5

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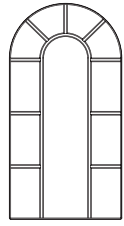
# Shaped Georgians (Cont)



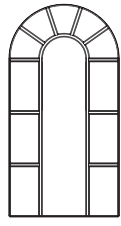
Vertical Spoke  
Shaped Victorian Arch  
GPSVA1



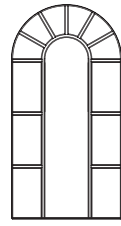
2 Spoke Shaped  
Victorian Arch  
GPSVA2



3 Spoke Shaped  
Victorian Arch  
GPSVA3



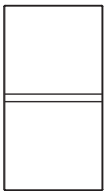
4 Spoke Shaped  
Victorian Arch  
GPSVA4



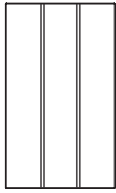
5 Spoke Shaped  
Victorian Arch  
GPSVA5

A comprehensive range of standard width U Bends are available for Victorian and Margin Arch designs

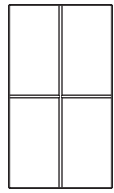
## Georgians



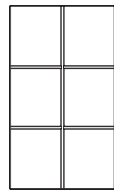
Sliding Sash  
GPG2



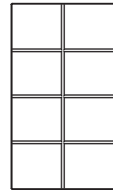
3 Panel  
Vertical Divided  
GPG3



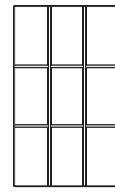
4 Panel Georgian  
GPG4



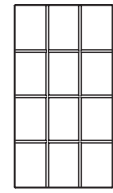
6 Panel Georgian  
GPG6



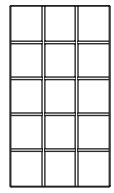
8 Panel Georgian  
GPG8



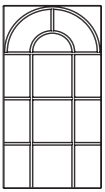
9 Panel Georgian  
GPG9



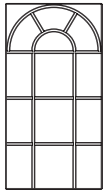
12 Panel Georgian  
GPG12



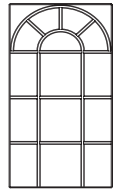
15 Panel Georgian  
GPG15



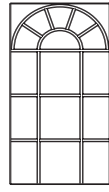
Vertical Spoke  
Georgian Sunburst  
GPGS1



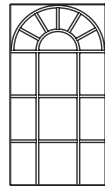
2 Spoke  
Georgian Sunburst  
GPGS2



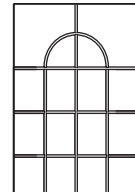
3 Spoke  
Georgian Sunburst  
GPGS3



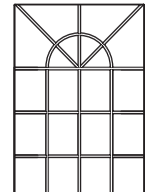
4 Spoke  
Georgian Sunburst  
GPGS4



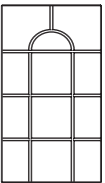
5 Spoke  
Georgian Sunburst  
GPGS5



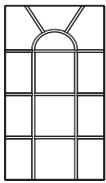
Vertical Thru Spoke  
Georgian Classic  
GPGTC1



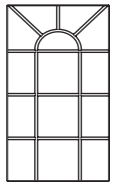
3 Thru Spoke  
Georgian Classic  
GPGTC3



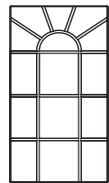
Vertical Spoke  
Georgian Arch  
GPGA1



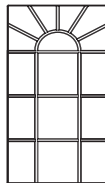
2 Spoke  
Georgian Arch  
GPGA2



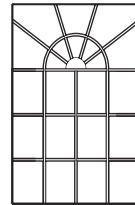
3 Spoke  
Georgian Arch  
GPGA3



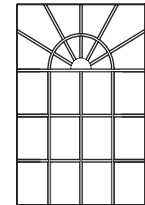
4 Spoke  
Georgian Arch  
GPGA4



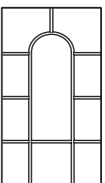
5 Spoke  
Georgian Arch  
GPGA5



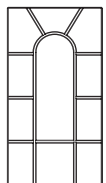
4 Spoke Bezel  
Georgian Classic  
GPGBC4



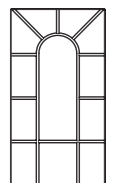
5 Spoke Bezel  
Georgian Classic  
GPGBC5



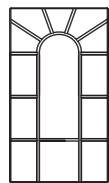
Vertical Spoke  
Margin Arch  
GPMA1



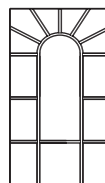
2 Spoke  
Margin Arch  
GPMA2



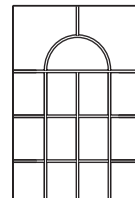
3 Spoke  
Margin Arch  
GPMA3



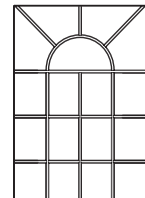
4 Spoke  
Margin Arch  
GPMA4



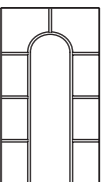
5 Spoke  
Margin Arch  
GPMA5



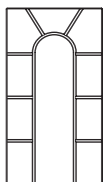
Vertical Spoke  
Georgian Classic  
GPGC1



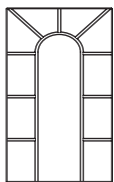
3 Spoke  
Georgian Classic  
GPGC3



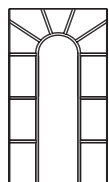
Vertical Spoke  
Victorian Arch  
GPVA1



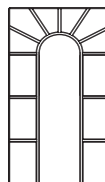
2 Spoke  
Victorian Arch  
GPVA2



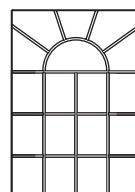
3 Spoke  
Victorian Arch  
GPVA3



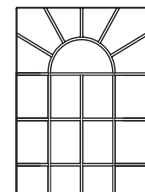
4 Spoke  
Victorian Arch  
GPVA4



5 Spoke  
Victorian Arch  
GPVA5



4 Spoke  
Georgian Classic  
GPGC4



5 Spoke  
Georgian Classic  
GPGC5

# Assembly methods

AL7 Meipa Srl manufacture using a range of different assembly methods enabling us to select the optimal method for each particular design requirement. **The methods available are as follows**

## Square cut & key



The most common and fastest method of grille assembly. Each piece of bar is square cut to length and the adjacent pieces are held together with a nylon key. Only a saw and drill with measuring jig or staple table are required to produce this type of grille. However rigidity can be an issue and rubber grommets (or buffers) are commonly used in the keys to prevent rattling. This method is less suitable for special finishes where the nylon keys need to be colour matched to the profile.

## Sistema a croci esterne

Il più comune e veloce metodo di assemblaggio griglie. Ogni pezzo è tagliato a misura ed unito da accessori di plastica. La combinazione di finiture è limitata a quelle (poche) esistenti per gli accessori plastici. Non assicura la rigidità e con il tempo, a causa dei raggi UV, il colore dei componenti plastici può virare. Per questi motivi non è un sistema certificabile.

## Mitred joints



Each piece of bar is cut with a 45° chamfer at the joint end. The 4 adjacent bars are then fitted over a key which holds them at 90° to each other and is hidden inside the profile. This system allows any colour of profile to be assembled using the same key but can be time consuming to manufacture and does not produce a particularly rigid grille. An accurate saw capable of cutting at 45° and drill with measuring jig or staple table are required to produce mitre jointed grilles.

## Sistema a punta di freccia

Ogni barra è smussata a 45°. Le 4 barre adiacenti sormontano una croce interna e con la loro unione a 90° la coprono interamente. Con questo sistema si possono utilizzare tutte le finiture. Non è garantita la rigidità della griglia, ma solo la durata.

## Milled joints



Grilles are assembled using continuous mullions which are drilled or notched at the transom position. The end(s) of each transom bar are machined to fit precisely over the mullion. A pin through the hole in the mullion mates with connectors hidden inside the transoms. This type of grille takes longer to produce than the basic square cut & key system but results in a very rigid grille which does not require buffers. Any issue with colour matching of keys is also eliminated. In addition to a saw and drill with measuring jig, a chamfering saw and special purpose milling machine are required for manufacturing grilles in this way.

## Sistema fresato

La griglia è assemblata mediante un sistema di montanti e traverse uniti da inserti passanti. Le traverse sono fresate in modo da poter sormontare i montanti. È il miglior sistema: certificabile. Durata e rigidità sono garantiti per tutto il ciclo di vita dell'infisso. Qualsiasi finitura e forma sono realizzabili.

## Half lap joints



Grilles are assembled using both continuous mullions and transoms. Both profiles are notched out at the joint position to half their depth. The mullion and transom can then be nested into each other. A clip on cap is employed to cover the joint. Production of this type of grille requires a saw, drill with measuring jig or staple table and special purpose notching device. A grille manufactured in this way is more rigid than the square cut equivalent.

## Sistema a mezzo sormonto

La griglia è assemblata punzonando il profilo, sovrapponendo gli scassi ricavati e unendoli con croci a clip. Questo sistema raggiunge una elevata rigidità e durata nel tempo, ma è possibile utilizzarlo solo per un tipo di profilo: Germanella. È certificabile.



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