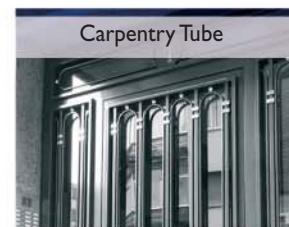
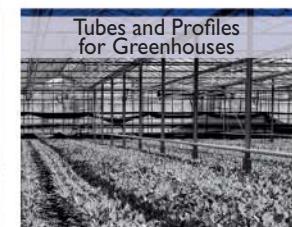
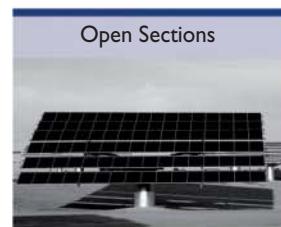
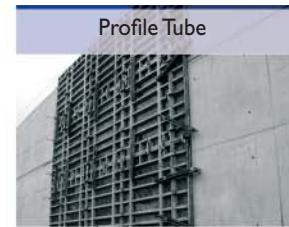
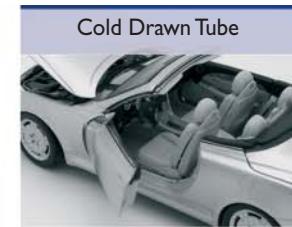
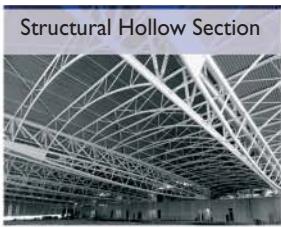
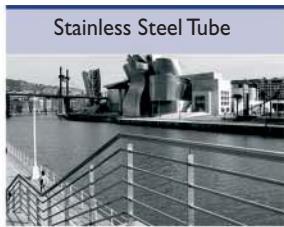
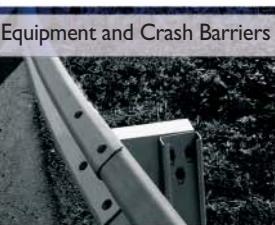
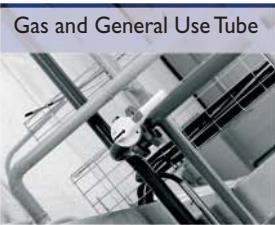


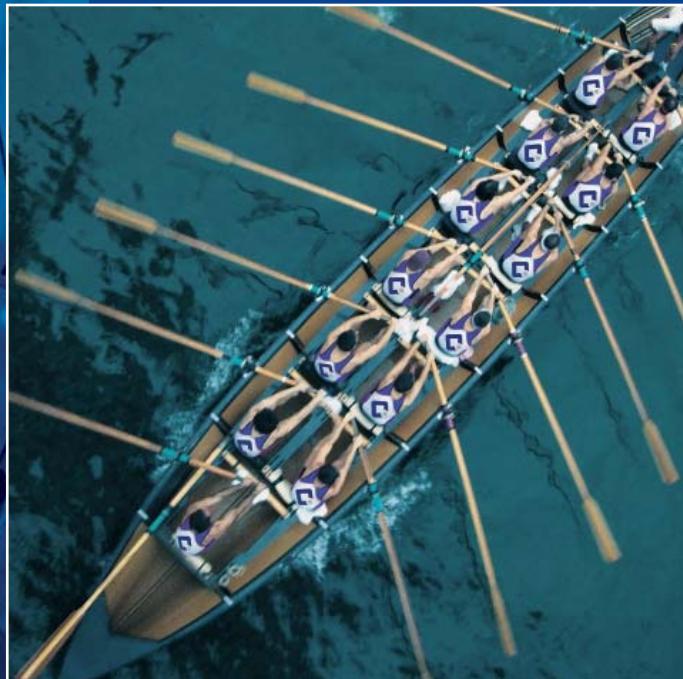
**Open Sections**





|   |         |
|---|---------|
| Gas and General Use Tube                          |         |
| Equipment and Crash Barriers                      |         |
| <b>Introduction to Grupo Condesa</b>              | 4       |
| <b>General product characteristics</b>            | 6 - 10  |
| - What it consists of                             | 6       |
| - Types of open sections                          | 7       |
| - Dimensional tolerances and lengths              | 9       |
| <b>Product standards and quality certificates</b> | 11 - 12 |
| <b>Product supply conditions and options</b>      | 13 - 14 |
| - Supply conditions                               | 13      |
| - Finishes  | 13      |
| - Cutting to length                               | 13      |
| - Packaging and strapping                         | 14      |
| <b>Product applications</b>                       | 15 - 19 |
| <b>Product range</b>                              | 20 - 55 |
| - Standard sections                               | 21      |
| - Special sections                                | 42      |

# Grupo Condesa





Evolution means there is no going back. Progress and a will to succeed urge us to move forward just a little bit more every day. For that reason, Grupo Condesa wishes to share its international growth and convey a new and unified image as the leading company in this sector; with an increasing range of products with better features at the service of our customers.

The parent company of Grupo Condesa was founded in 1954, based on the Spanish company Conducciones y Derivados S.A. Today, this is a solid and expanding Group, the result of a combination of several initiatives based on a number of clear objectives: To become a leading international company through excellence, quality, experience and know-how; to resolve the problems of our customers and in this way, move forward and develop together.

Collaboration and coordination between the different members of the Group generate synergies that allow us to tackle large markets with guarantees and with an excellent capacity to respond to our customers' needs. Thanks to our large international network, we are always very close to our customers, attending to their needs and providing solutions at each moment in time.

Twelve manufacturing companies throughout Europe.

Our sales offices can be found in Spain, France, Portugal, Italy, Germany, United Kingdom, Sweden, Belgium, the Netherlands and Morocco. Agents in Gran Canaria (Spain), Ireland and Switzerland.

The Group is engaged in the manufacture of carbon steel tubes and profiles and stainless steel tubes also offering high value added solutions and products for many of the leading brand names in the most important sectors: automotive, construction, furniture, public works, etc.

# General product characteristics

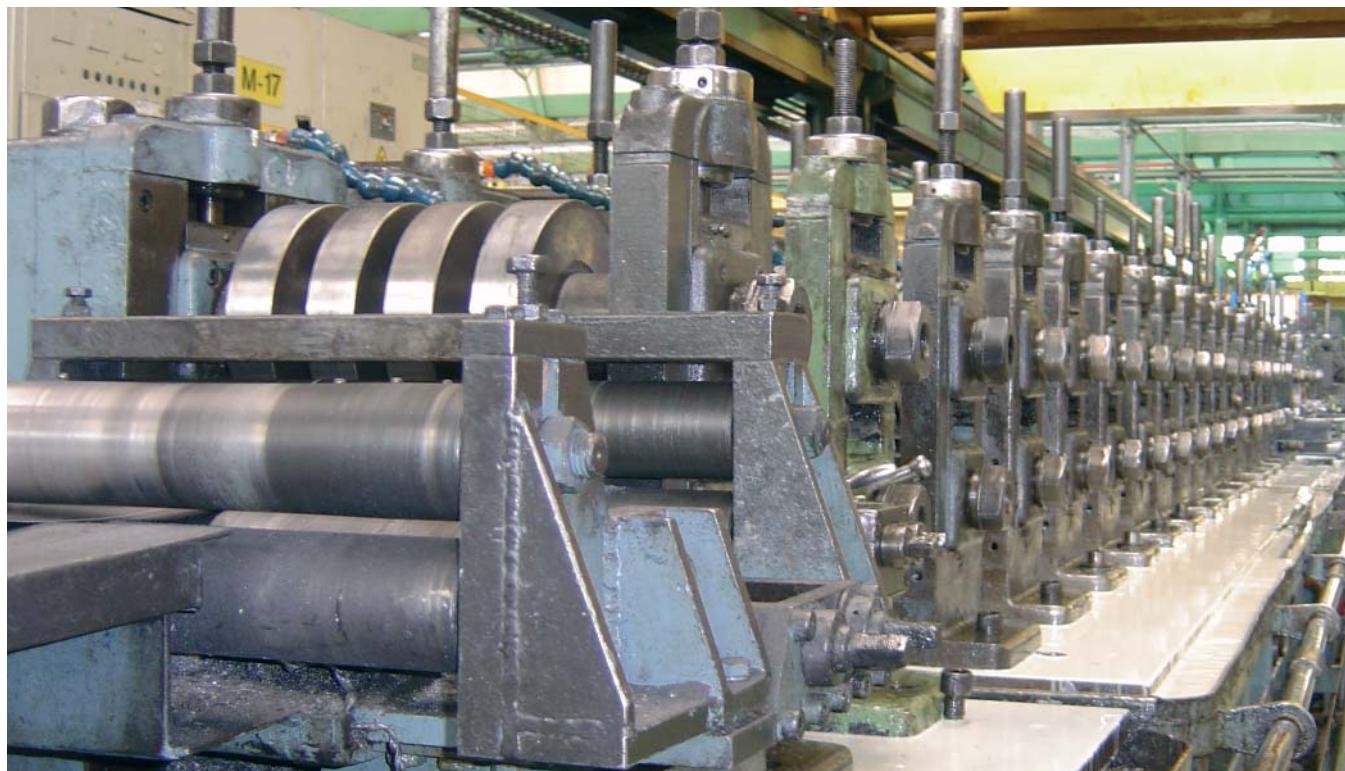
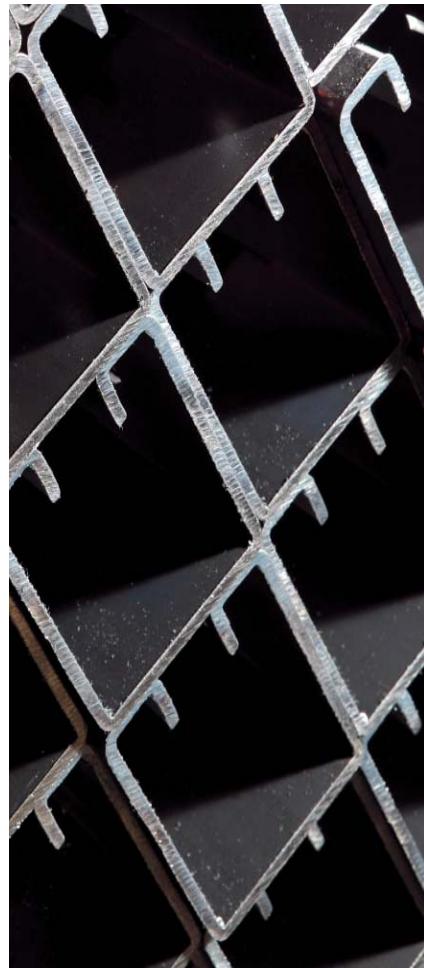
## What it consists of

The cold forming technology was developed as an alternative to obtaining different geometrical shapes in steel by means of hot rolling, and offers the following advantages:

- Complex geometrical sections can be produced
- Reduction in thicknesses
- Good surface finish
- Different surface coatings
- Even thickness over the whole section
- Stable, rigid and lightweight sections
- Maximum straightness in section
- Manageability
- Precise lengths
- Tight tolerances

Before forming, these open sections can be subjected to perforation and stamping operations, and afterwards, to bending, etc. Their applications and therefore unlimited and all sectors can benefit from them.

With regard to the state of the steel used in the sections, we can supply you with black steel, pickled, cold formed, Sendzimir galvanised, hot dip galvanised, stainless steel and pre-lacquered.





## Types of open sections

### STANDARD SECTIONS

- **Standard sections**

These are profiles that, due to their continuous consumption, are available for immediate delivery. These ranges belong to the following types of sections: Angles, U sections, open tubes, omega sections, greenhouses omega sections and Z sections.

- **Standard section with special geometry**

These are sections for general use and their geometry is different from basic shapes such as angles and U sections. There is also a range for immediate delivery which includes strip sections, tilt-up door, lattice work, ram guide, etc.

- **Shaped sheet**

Shaped sheets are an excellent cladding element for roofs and facades and are obtained from low thickness, cold-formed steel sheets, in several different shapes, usually with trapezoidal and undulating forms.

These are also often used for multiple applications such as doors, floors, ceilings, etc., and even specific applications such as railway carriages, etc. The models and geometries of sheets can be personalised after performing a preliminary study.

The most common materials are cold and galvanised rolled sections, although other materials such as pre-lacquered, stainless, copper, atmospheric corrosion resistant steels, etc. can also be used.

### SPECIAL SECTIONS

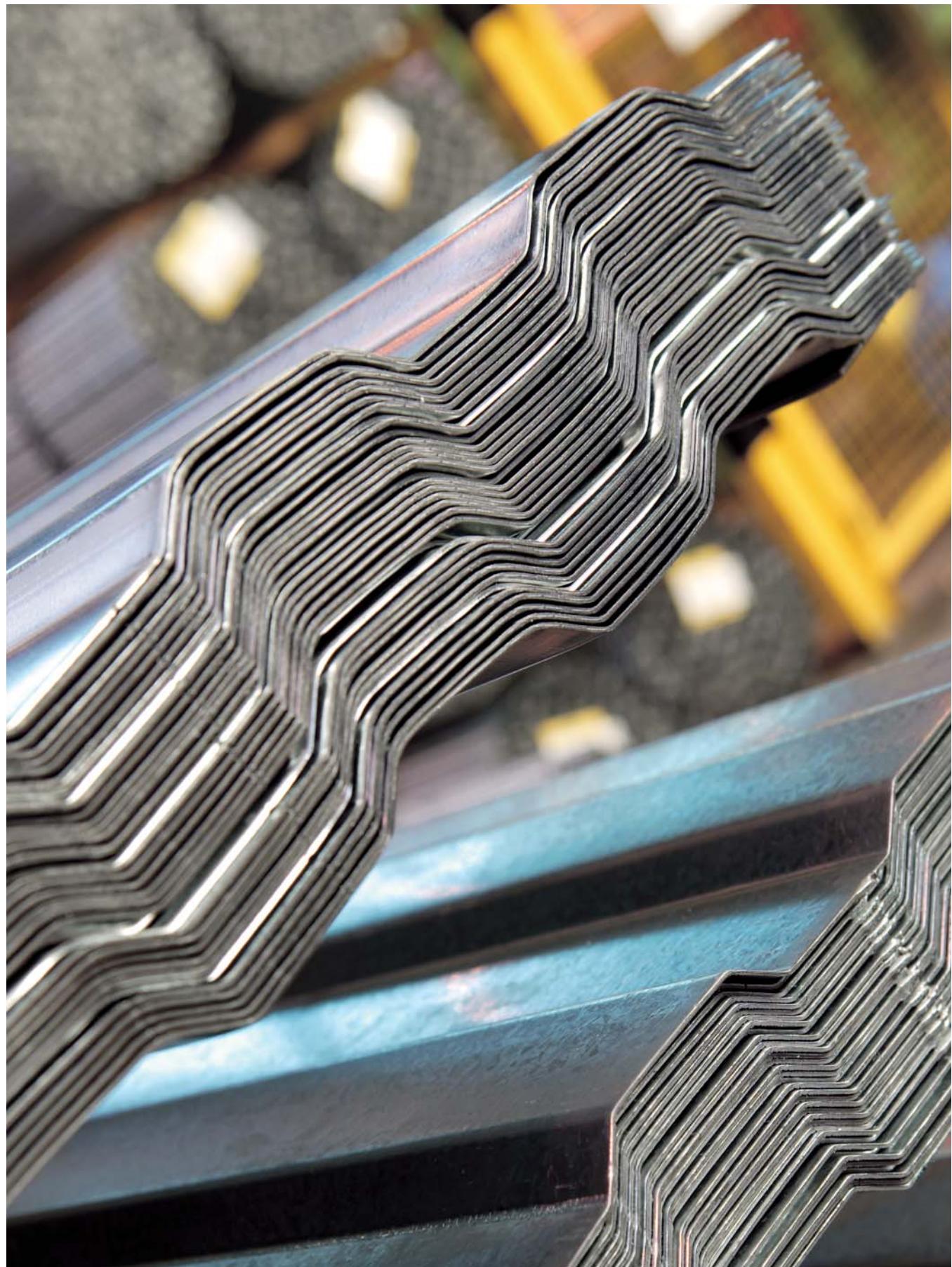
- **Special commercial sections**

These sections are developed by our technical department. The tooling, design and production process used to manufacture the product are exclusively our own, but can be supplied to any client.

- **Special sections made to size**

These sections, on the other hand, are products developed by Grupo Condesa together with the client. With the support of our technical office, the client can create new products in accordance with his needs. The client will be the sole owner of such a product.

## General product characteristics



## Dimensional tolerances and lengths

- Dimensional tolerances, standard and special section lengths and shaped sheets.

### Thickness tolerances

| THICKNESS MARGINS | GALVANISED S/EN 10143 STEEL < S280 ± | GALVANISED S/EN 10143 STEEL ≥ S280 ± | COLD ROLLED S/EN 10131 ± |
|-------------------|--------------------------------------|--------------------------------------|--------------------------|
| ≤ 0.40            | 0.05                                 | 0.6                                  | 0.04                     |
| > 0.40 ≤ 0.60     | 0.06                                 | 0.07                                 | 0.05                     |
| > 0.60 ≤ 0.80     | 0.07                                 | 0.08                                 | 0.06                     |
| > 0.80 ≤ 1.00     | 0.08                                 | 0.09                                 | 0.07                     |
| > 1.00 ≤ 1.20     | 0.09                                 | 0.11                                 | 0.08                     |
| > 1.20 ≤ 1.60     | 0.11                                 | 0.13                                 | 0.1                      |
| > 1.60 ≤ 2.00     | 0.13                                 | 0.15                                 | 0.12                     |
| > 2.00 ≤ 2.50     | 0.15                                 | 0.18                                 | 0.14                     |
| > 2.50 ≤ 3.00     | 0.17                                 | 0.2                                  | 0.16                     |

| THICKNESS MARGINS | HOT ROLLED DEEP DRAWN (DD11-DD14) ± | HOT ROLLED STRUCTURAL ≥ S235 ± |
|-------------------|-------------------------------------|--------------------------------|
| ≤ 2.00            | 0.13                                | 0.17                           |
| > 2.00 ≤ 2.50     | 0.14                                | 0.18                           |
| > 2.50 ≤ 3.00     | 0.15                                | 0.2                            |
| > 3.00 ≤ 4.00     | 0.17                                | 0.22                           |
| > 4.00 ≤ 5.00     | 0.18                                | 0.24                           |
| > 5.00 ≤ 6.00     | 0.2                                 | 0.26                           |
| > 6.00 ≤ 8.00     | 0.22                                | 0.29                           |

Hot rolled (width up to 1200 S/EN 10051 ±)

### DIMENSIONAL TOLERANCE TABLE ACCORDING TO EN 10162

Dimension tolerances, between two radius. Measured externally. ±.

| THICKNESS mm | DIMENSION < 40 mm | >40 ≤ 100 | >100 ≤ 200 | >200 ≤ 400 | >400 |
|--------------|-------------------|-----------|------------|------------|------|
| ≤ 1.5        | 0.5               | 0.5       | 0.75       | 1.25       |      |
| 1.5 ≤ 3      | 0.75              | 0.75      | 1          | 1.5        | 1.75 |
| 3 ≤ 6        | 1                 | 1         | 1.25       | 1.75       | 2    |
| 6 ≤ 8        |                   | 1.25      | 1.5        | 2          | 2.5  |

# General product characteristics

- Dimensional tolerances, standard and special section lengths and shaped sheets.

## DIMENSIONAL TOLERANCE TABLE ACCORDING TO EN 10162 STANDARD

Wing tolerances, between radius and edge Measured externally. ±

| THICKNESS mm | DIMENSION < 40 mm | >40 ≤ 100 | >100 ≤ 150 | >150 ≤ 200 | >200 |
|--------------|-------------------|-----------|------------|------------|------|
| ≤ 1.5        | 0.75              | 0.75      | 1          |            |      |
| 1.5 ≤ 3      | 0.8               | 1         | 1.25       | 1.5        |      |
| 3 ≤ 6        | 1                 | 1.25      | 1.5        | 1.75       | 2    |
| 6 ≤ 8        | 1.25              | 1.5       | 1.75       | 2          | 2.25 |

Angular tolerances ±

| LENGTH OF SMALLEST SIDE OF THE ANGLE | TOLERANCE IN ° |
|--------------------------------------|----------------|
| ≤ 10                                 | 3°             |
| > 10 ≤ 40                            | 1° 45'         |
| > 40 ≤ 80                            | 1° 15'         |
| > 80 ≤ 110                           | 1°             |
| > 110                                | 0° 45'         |

Length tolerances, mm.

| CURRENT LENGTH (6000) OR FIXED (4 to 24 m) | -0 +50 |
|--|--------|
| Exact length < 2000                        | ±1     |
| >2000 ≤ 6000                               | ±2     |
| >6000 ≤ 10000                              | ±3     |
| >10000 ≤ 15000                             | ±4     |
| >15000                                     | ±6     |

Straightness tolerances. 2/1000 (0,2% of total length).

Torsion tolerances. 1° × metre of length.

Minimum internal radius. As a reference, we recommend Tolerance ± 20%

| STEELS WITH RE | THICKNESS ≤ 4 | 4 < THICKNESS ≤ 6 | 6 < THICKNESS ≤ 8 |
|----------------|---------------|-------------------|-------------------|
| ≤ S 275        | 1xe           | 1xe               | 1.5xe             |
| > S 275        | 1xe           | 1.5xe             | 1.5xe             |



# Product standards and quality certificates

## Product standards

Inspection documents based on non-specific inspections according to the EN 10204 standard:

- **Conformity declaration with “type 2.1” order:** Document in which the manufacturer declares that the products supplied comply with the requirements of the order and that test results are not included.
- **Test report “type 2.2”:** Document in which the manufacturer declares that the products supplied comply with the requirements of the order and that test results based on non-specific inspections are included.

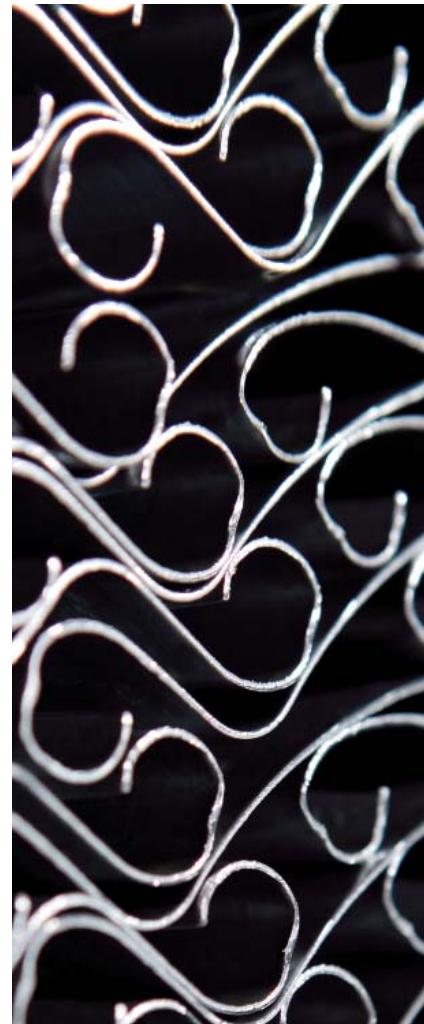
Inspection documents based on specific inspections according to the EN 10204 standard:

- **Inspection certificate 3.1 “type 3.1”:** Document issued by the manufacturer in which he declares that the products supplied comply with the requirements of the order and that test results are included.

The test unit and the tests to be conducted are defined in the product specifications, in official regulations and in the corresponding regulations or order.

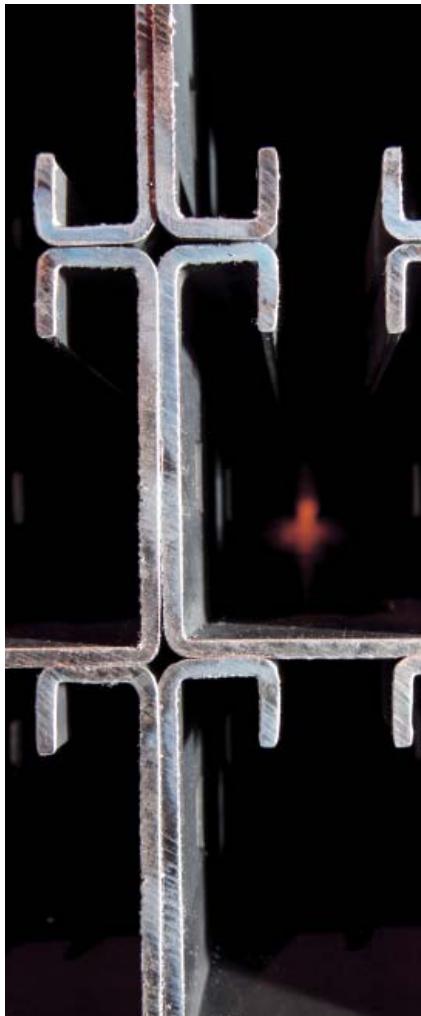
The document is validated by the representative authorised by the manufacturer, independent of the manufacturing department, for inspection.

The manufacturer shall be allowed to transfer relevant results of tests obtained by specific inspection on products used by him as raw materials to inspection certificate 3.1, provided that these guarantee the traceability of the process and that he can provide the corresponding inspection documents required.



## Quality certificates





## Supply conditions

The normal supply length for these sections is 6000 mm. However, on request, it is possible to supply sections cut to a fixed length with varying types of finish according to different types of cut (see section "Cutting to size").

## Finishes

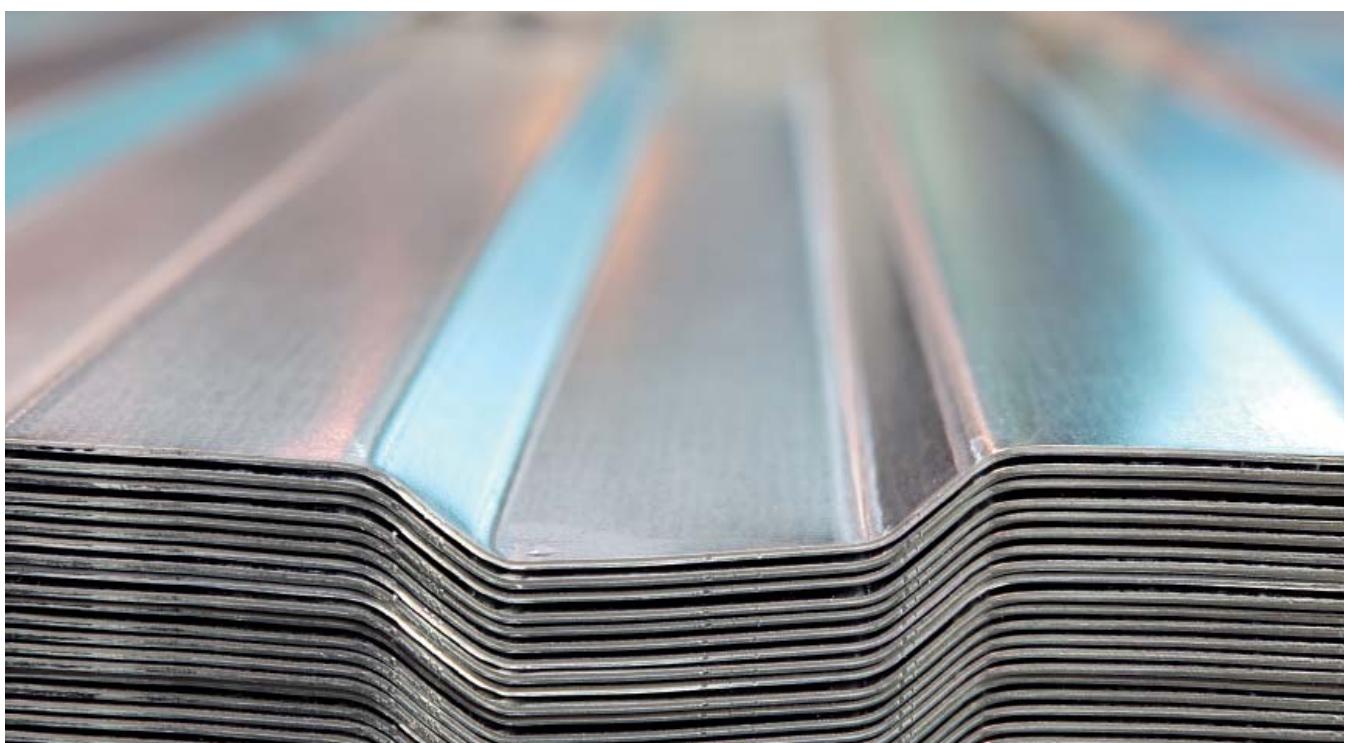
The materials are supplied from the factory directly from the production line, although it is possible upon request to apply a number of different surface treatments, shot blasting, painting, hot dip galvanising, chrome plating, etc.

It is also possible to supply the sections with several types of machining operations, perforations and even stamped perforations.

## Cutting to length

The possible cuts to size are as follows:

- **Fusion:** This is the most usual type of cut, by means of a fast cross-cutting disc. This cuts by means of fusion and is capable of cutting very high thicknesses. Unless otherwise indicated or requested, this type of cut is used.
- **Milling tool:** Also called "slow" cutting. This involves cutting with a disc, with the peculiarity that it is a slower and finer chip forming process, producing unbeatable results.
- **Die-cut:** This cut is cleaner; without burrs, and is made by means of a shear effect produced by the knives of a press-operated die. It requires a specific die for the shape to the cut.



# Product supply conditions and options

## Packaging and strapping

### Standard package format

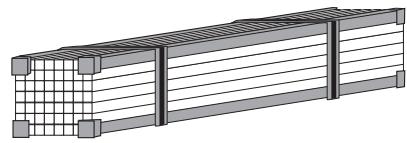
This is the most common packaging in square or rectangular package format.

If required, wooden boards can be placed under the straps to protect the sections.



### Package with metal corners.

If required, the edges of the standard package can be protected with metal angle pieces that provide rigidity and protection.



### Bundle package

These are irregularly shaped packages secured with metal straps.

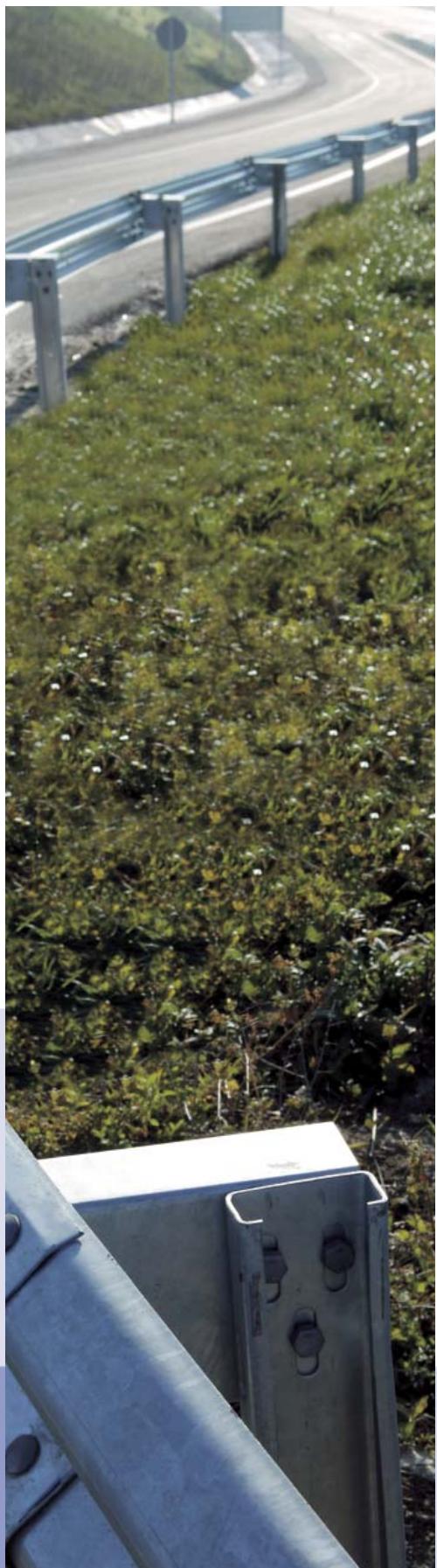


The most typical applications of standard sections are as follows:

- Metal crash barrier posts
- Garage door
- Roof fastening for buildings
- Façade cladding
- Roller track guides
- Blinds
- Framework Zeds
- Venetian and Mallorcan blinds
- Multiple metal applications

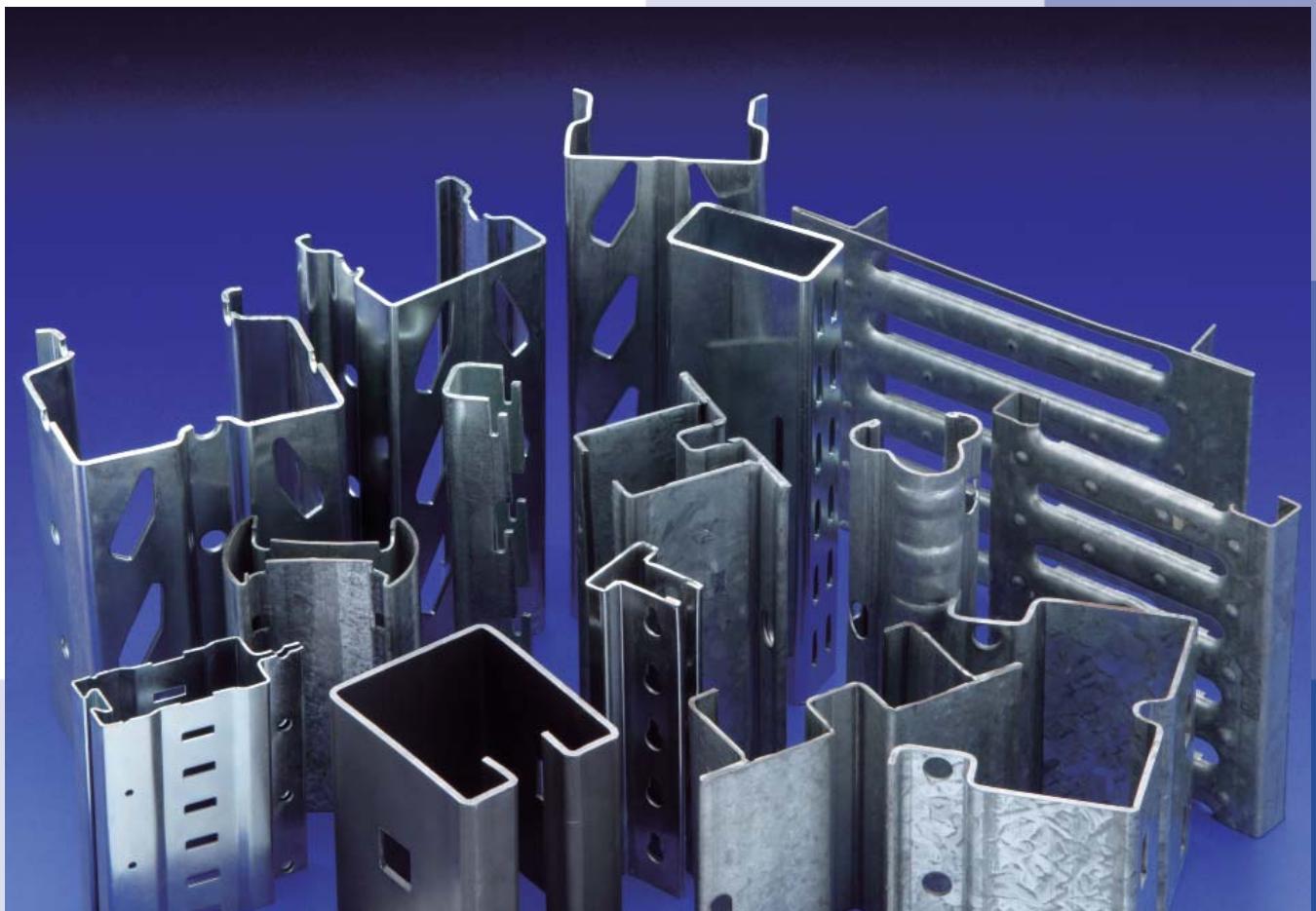


## Product applications

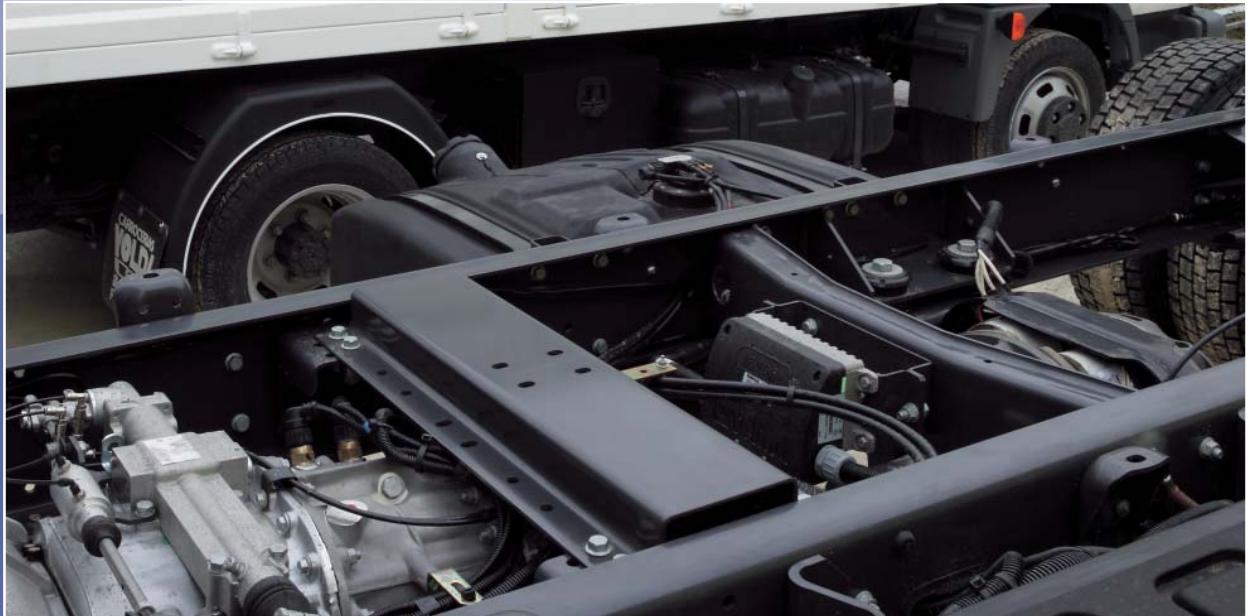


The most typical applications of special sections are in the following sectors:

- Building
  - Scaffolding
  - Structures
  - Partitions
- Bus and truck bodywork
- Enclosures
- Doors
- Furniture
- Road protection systems
- Vineyard Posts
- Structures for photovoltaic systems
- Conduit grills
- Etc.



## Product applications





## STANDARD SECTIONS

### Standard sections

- Angles
- U sections
- Open tubes
- Omegas
- Zeds

### Standard sections of special geometry

- Tilt-up door
- Articulated strip section
- Framework Zeds
- Ram guide
- Battens
- Gutters
- Bracket strip
- Greenhouse profiles
- Steel cover
- Suspended ceilings

### Shaped sheet

## SPECIAL SECTIONS

**Special commercial sections:** sections available for commercial supplies.

- Scaffolding platform
- Skirting board
- Vineyard profiles
- Road protection systems
- Internal partition profiles

**Special sections made to size:** Examples of sections developed to size.  
Not available for commercial development.

- Bus, truck and railway bodywork
- Industrial shelving
- Solar panels
- Doorframes
- Furniture
- Modular partitions
- Conduit grills

## STANDARD SECTIONS

### Standard sections

- Angles
- U sections
- Open tubes
- Omegas
- Zeds

### Standard sections of special geometry

- Tilt-up door
- Articulated strip section
- Framework Zeds
- Door rolling guide
- Battens
- Gutters
- Bracket strip
- Greenhouse profiles
- Steel cover
- Suspended ceilings

### Shaped sheet



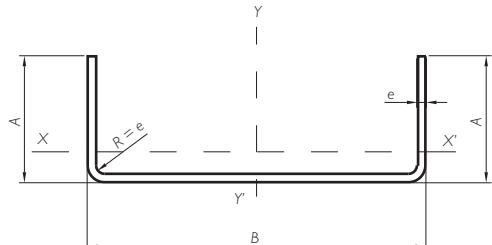






# Product range

## U SECTIONS



| SIZES | MAX | MIN. |
|-------|-----|------|
| A     | 100 | 10   |
| B     | 300 | 10   |
| e     | 6   | 1    |

Commercial shapes in **black**

### Mechanical characteristics of U sections

| OUTSIDE<br>DIMENSIONS<br>A x B x A x e<br>mm | MASS<br>M<br>Kg/m | SECTION<br>A<br>cm <sup>2</sup> | WITH REFERENCE TO AXIS XX' |                      |         | WITH REFERENCE TO AXIS YY' |                      |         |
|--|-------------------|---------------------------------|----------------------------|----------------------|---------|----------------------------|----------------------|---------|
|  |                   |                                 | I<br>cm <sup>4</sup>       | Z<br>cm <sup>3</sup> | i<br>cm | I<br>cm <sup>4</sup>       | Z<br>cm <sup>3</sup> | i<br>cm |
| 52x100x52x4                                  | 5.69              | 7.584                           | 20.042                     | 5.451                | 1.626   | 121.807                    | 24.361               | 4.008   |
| 60x100x60x3                                  | 4.88              | 6.22                            | 23.1                       | 5.5                  | 1.92    | 101                        | 20.1                 | 4.02    |
| 60x100x60x4                                  | 6.38              | 8.13                            | 29.7                       | 7.17                 | 1.91    | 128                        | 25.6                 | 3.97    |
| 60x100x60x5                                  | 7.81              | 9.95                            | 35.7                       | 8.76                 | 1.9     | 152                        | 30.5                 | 3.91    |
| 50x120x50x3                                  | 4.94              | 6.276                           | 14.845                     | 3.987                | 1.538   | 139.707                    | 23.285               | 4.781   |
| 50x120x50x4                                  | 6.495             | 8.274                           | 19.266                     | 5.228                | 1.526   | 174.22                     | 29.036               | 4.589   |
| 60x120x60x4                                  | 7.06              | 9                               | 31.9                       | 7.42                 | 1.88    | 198                        | 33.1                 | 4.7     |
| 60x120x60x6                                  | 10.2              | 13                              | 44.8                       | 10.7                 | 1.86    | 273                        | 45.5                 | 4.58    |
| 60x140x60x4                                  | 7.75              | 9.873                           | 33.64                      | 7.584                | 1.845   | 288.5                      | 41.22                | 5.406   |
| 60x140x60x5                                  | 9.5               | 12.1                            | 40.566                     | 9.266                | 1.831   | 364.927                    | 52.132               | 5.402   |
| 70x140x70x4                                  | 8.32              | 10.6                            | 51.6                       | 10.2                 | 2.21    | 322                        | 46                   | 5.51    |
| 70x140x70x6                                  | 12.1              | 15.4                            | 73.1                       | 14.8                 | 2.18    | 449                        | 64.2                 | 5.4     |
| 50x150x50x3                                  | 5.655             | 7.203                           | 15.88                      | 4.106                | 1.485   | 230.2                      | 30.69                | 5.653   |
| 50x150x50x4                                  | 7.38              | 9.424                           | 20.397                     | 5.342                | 1.471   | 308.607                    | 41.148               | 5.722   |
| 100x200x100x6                                | 17.7              | 22.6                            | 224                        | 31.1                 | 3.15    | 1390                       | 139                  | 7.85    |
| 100x220x100x6                                | 18.7              | 23.8                            | 231                        | 31.6                 | 3.12    | 1470                       | 158                  | 8.56    |
| 100x250x100x6                                | 20.1              | 25.6                            | 241                        | 32.1                 | 3.07    | 2350                       | 188                  | 9.59    |

● Permanent stocks. U sections of other dimensions, thicknesses and materials, on request.

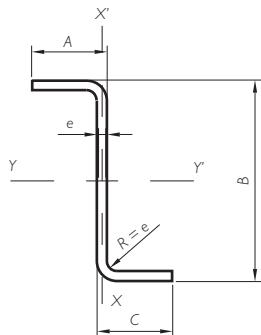






# Product range

## ZEDS



| SIZES | MAX | MIN. |
|-------|-----|------|
| A     | 70  | 10   |
| C     | 300 | 20   |
| e     | 5   | 1    |

Commercial shapes in black

### Mechanical characteristics of Zeds

| OUTSIDE<br>DIMENSIONS<br>A x B x C x e<br>mm | MASS<br>M<br>Kg/m | SECTION<br>A<br>cm <sup>2</sup> | WITH REFERENCE TO AXIS XX' |                      |                | WITH REFERENCE TO AXIS YY' |                      |               |
|--|-------------------|---------------------------------|----------------------------|----------------------|----------------|----------------------------|----------------------|---------------|
|  |                   |                                 | I<br>cm <sup>4</sup>       | Z<br>cm <sup>3</sup> | i<br>cm        | I<br>cm <sup>4</sup>       | Z<br>cm <sup>3</sup> | i<br>cm       |
| 9x20x9x1                                     | 0.272             | 0.347                           | 0.41                       | 0.48                 | 0.344          | 0.199                      | 0.197                | 0.757         |
| 9.5x21x9.5x1.5                               | 0.413             | 0.526                           | 0.68                       | 0.76                 | 0.359          | 0.314                      | 0.293                | 0.773         |
| 15x30x15x1.5<br>15x30x15x2                   | 0.648<br>0.832    | 0.826<br>1.06                   | 0.29<br>0.368              | 0.202<br>0.263       | 0.593<br>0.589 | 1.098<br>1.34              | 0.725<br>0.894       | 1.153<br>1.12 |
| 15x40x15x1.5                                 | 0.766             | 0.976                           | 0.291                      | 0.202                | 0.543          | 2.189                      | 1.088                | 1.498         |
| 20x40x20x2                                   | 1.15              | 1.46                            | 0.918                      | 0.483                | 0.793          | 3.43                       | 1.72                 | 1.53          |
| 15.5x41x15.5x2                               | 1.027             | 1.308                           | 0.41                       | 0.278                | 0.56           | 2.996                      | 1.446                | 1.513         |
| 20x50x20x2                                   | 1.3               | 1.66                            | 0.918                      | 0.483                | 0.744          | 5.86                       | 2.35                 | 1.88          |
| 21.5x41x21.5x2.5                             | 1.487             | 1.895                           | 1.389                      | 0.686                | 0.856          | 4.638                      | 2.263                | 1.5648        |
| 21x50x21x2                                   | 1.341             | 1.708                           | 1.07                       | 0.531                | 0.791          | 6.152                      | 2.445                | 1.898         |
| 20x60x20x2                                   | 1.46              | 1.86                            | 0.919                      | 0.484                | 0.703          | 9.12                       | 3.04                 | 2.22          |
| 21.5x61x21.5x2.5                             | 1.88              | 2.395                           | 1.393                      | 0.68                 | 0.763          | 12.138                     | 3.95                 | 2.251         |

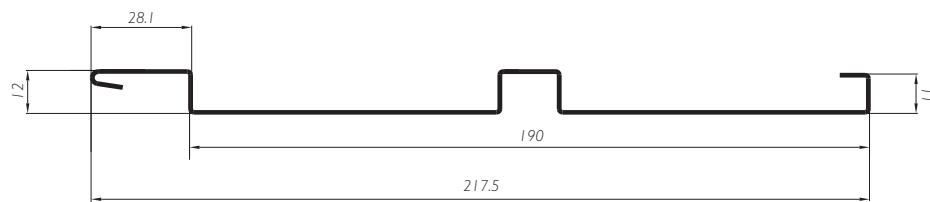
Permanent stocks. Zeds of other dimensions, thicknesses and materials, on request.

## Standard sections of special geometry

TILT-UP DOOR

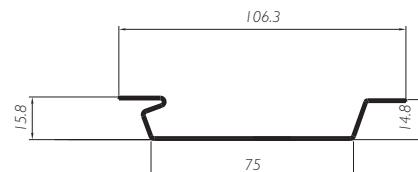
Sections permanently in stock

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   | LENGTH   |
|-----------|-------------------|------------------|------------|----------|
| R7494     | 0.8               | 1.701            | Galvanised | 6,200 mm |

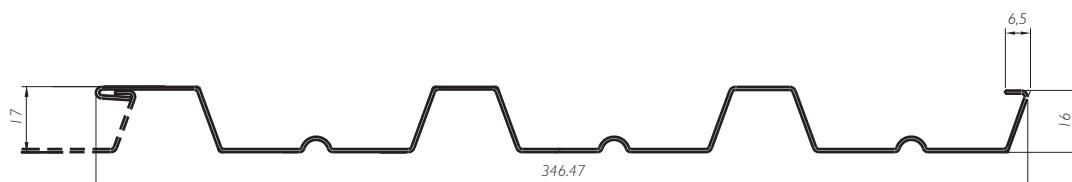


Sections not permanently in stock

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   | LENGTH   |
|-----------|-------------------|------------------|------------|----------|
| R7492     | 0.8               | 0.879            | Galvanised | 6,000 mm |

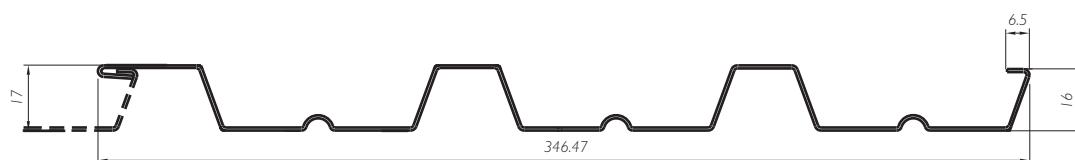


| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   | LENGTH   |
|-----------|-------------------|------------------|------------|----------|
| R7484     | 0.8               | 2.662            | Galvanised | 6,000 mm |



Sections not permanently in stock

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL | LENGTH   |
|-----------|-------------------|------------------|----------|----------|
| R7484     | 0.8               | 2.662            | Cold     | 6,000 mm |

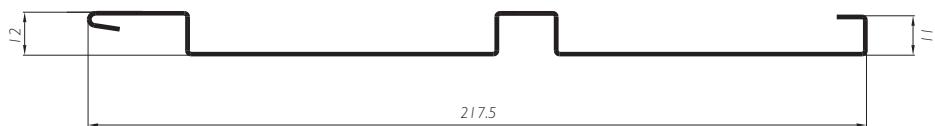


# Product range

## TILT-UP DOOR

Sections not permanently in stock

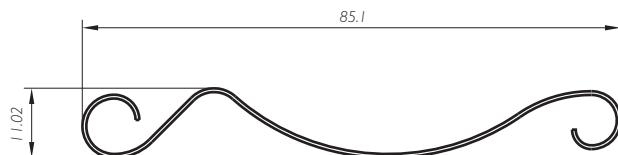
| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL |
|-----------|-------------------|------------------|----------|
| R7494     | 0.8               | 1.701            | Cold     |



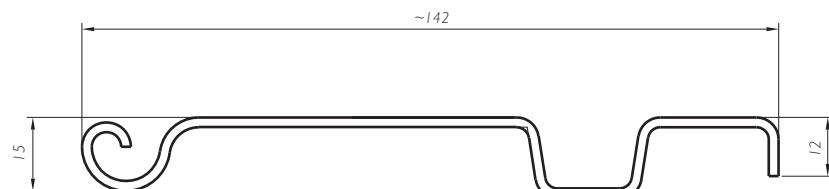
## ARTICULATED STRIP SECTION

Sections permanently in stock

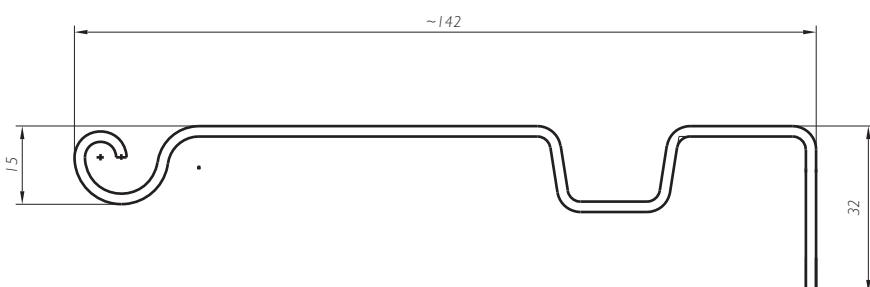
| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   | LENGTH   |
|-----------|-------------------|------------------|------------|----------|
| R7520     | 0.5               | 0.490            | Galvanised | 6,200 mm |



| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   | LENGTH   |
|-----------|-------------------|------------------|------------|----------|
| R7523     | 2                 | 3.014            | Galvanised | 6,200 mm |



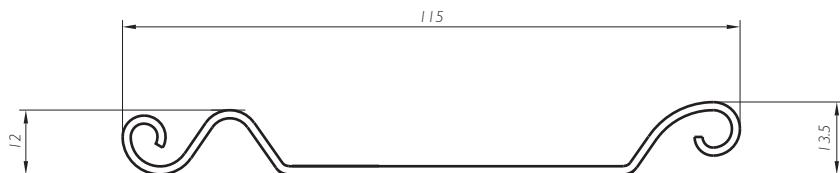
| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   | LENGTH   |
|-----------|-------------------|------------------|------------|----------|
| R7524     | 2                 | 3.281            | Galvanised | 6,200 mm |



## ARTICULATED STRIP SECTION

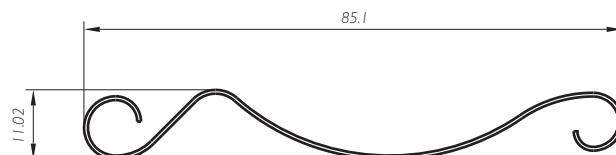
Sections permanently in stock

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   | LENGTH   |
|-----------|-------------------|------------------|------------|----------|
| R7525     | 1.5               | 1.507            | Galvanised | 6,200 mm |



Sections not permanently in stock

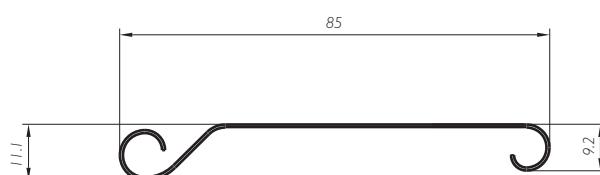
| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   | LENGTH   |
|-----------|-------------------|------------------|------------|----------|
| R7520     | 0.6               | 0.581            | Galvanised | 6,200 mm |



| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   | LENGTH              |
|-----------|-------------------|------------------|------------|---------------------|
| R7522     | 2                 | 2.213            | Galvanised | De 3,000 a 8,000 mm |



| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   | LENGTH              |
|-----------|-------------------|------------------|------------|---------------------|
| R7561     | 0.6               | 0.553            | Galvanised | De 3,000 a 8,000 mm |

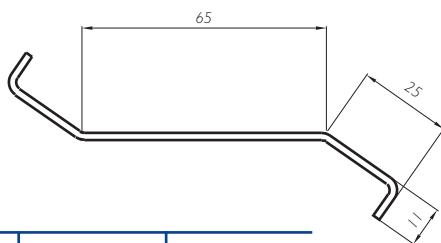


# Product range

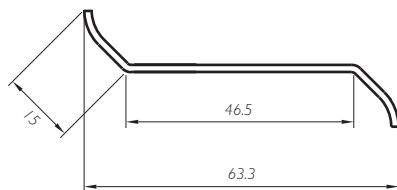
## FRAMEWORK ZEDS

### Sections permanently in stock

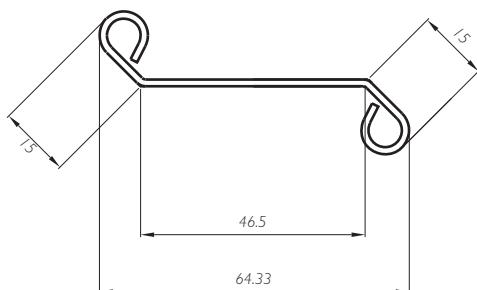
| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL    | LENGTH   |
|-----------|-------------------|------------------|-------------|----------|
| R7503     | 2                 | 2.009            | Semi Bright | 6,000 mm |



| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL    | LENGTH   |
|-----------|-------------------|------------------|-------------|----------|
| R7508     | 1.5               | 0.889            | Semi Bright | 6,000 mm |

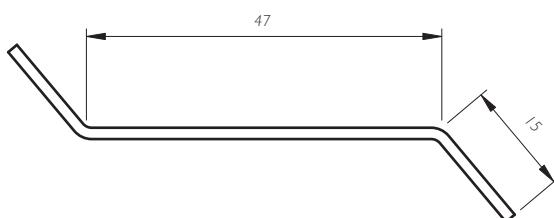


| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL    | LENGTH   |
|-----------|-------------------|------------------|-------------|----------|
| R7491     | 1.5               | 1.336            | Semi Bright | 6,000 mm |



### Sections not permanently in stock

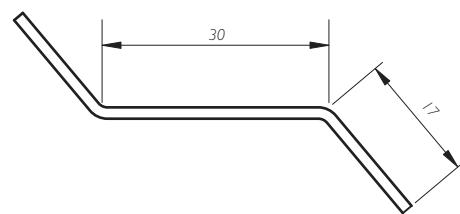
| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL       |
|-----------|-------------------|------------------|----------------|
| R7947     | 1.5               | 0.894            | Semi Bright    |
| R7947     | 2                 | 1.192            | and Galvanised |



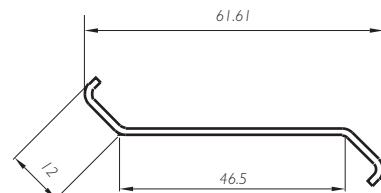
## FRAMEWORK ZEDS

Sections not permanently in stock

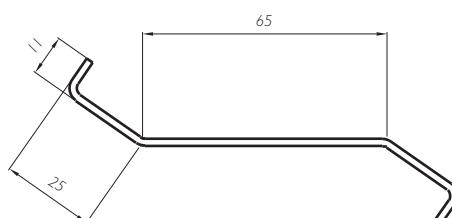
| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL       |
|-----------|-------------------|------------------|----------------|
| R7998     | 1.5               | 0.750            | Semi Bright    |
| R7998     | 2                 | 1.005            | and Galvanised |



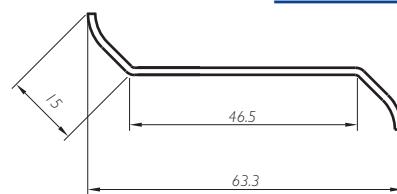
| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   |
|-----------|-------------------|------------------|------------|
| R7769     | 1.5               | 0.877            | Galvanised |



| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   |
|-----------|-------------------|------------------|------------|
| R7503     | 2                 | 2.009            | Galvanised |



| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   |
|-----------|-------------------|------------------|------------|
| R7508     | 1.5               | 0.889            | Galvanised |

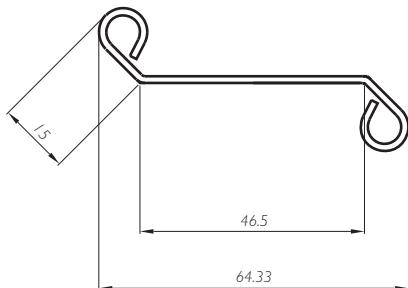


# Product range

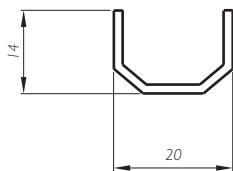
## FRAMEWORK ZEDS

For sections not permanently in stock, minimum quantity required

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   |
|-----------|-------------------|------------------|------------|
| R7491     | 1.5               | 1.336            | Galvanised |



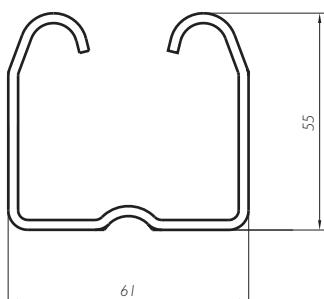
| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   |
|-----------|-------------------|------------------|------------|
| R7493     | 1.5               | 0.459            | Galvanised |



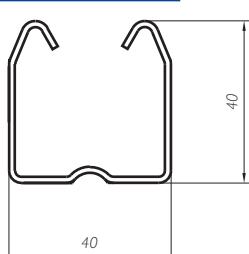
## DOOR ROLLING GUIDE

Sections permanently in stock

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   | LENGTH   |
|-----------|-------------------|------------------|------------|----------|
| R7152     | 2.5               | 3.807            | Galvanised | 6,000 mm |

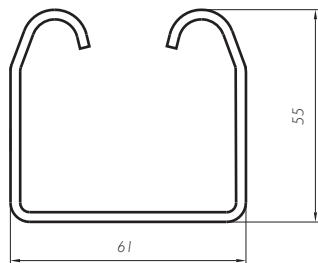


| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   | LENGTH   |
|-----------|-------------------|------------------|------------|----------|
| R7153     | 1.5               | 1.577            | Galvanised | 6,000 mm |

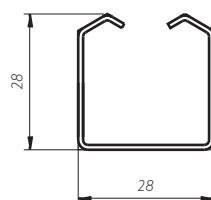


## DOOR ROLLING GUIDE

For sections not permanently in stock, minimum quantity required



| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) |
|-----------|-------------------|------------------|
| R7152A    | 2.5               | 3.807            |



| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) |
|-----------|-------------------|------------------|
| R7266     | 1                 | 0.718            |

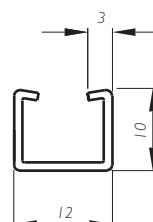
## BATTENS

Sections permanently in stock

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL            | LENGTH   |
|-----------|-------------------|------------------|---------------------|----------|
| R5492     | 0.8               | 0.210            | Cold and Galvanised | 6,000 mm |

Sections not permanently in stock

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL | LENGTH   |
|-----------|-------------------|------------------|----------|----------|
| R5492     | 1                 | 0.239            | Cold     | 6,000 mm |

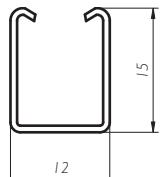


# Product range

## BATTENS

Sections not permanently in stock

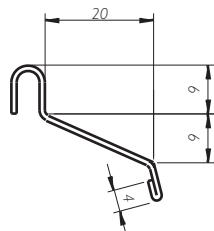
| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL            | LENGTH   |
|-----------|-------------------|------------------|---------------------|----------|
| R5518     | 0.8               | 0.270            | Cold and Galvanised | 6,000 mm |



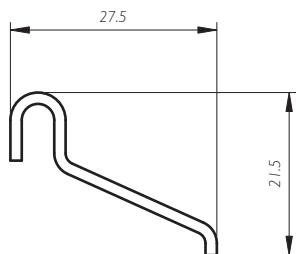
## GUTTERS

For sections not permanently in stock, minimum quantity required

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL    |
|-----------|-------------------|------------------|-------------|
| R5533     | 1                 | 0.412            | Semi Bright |



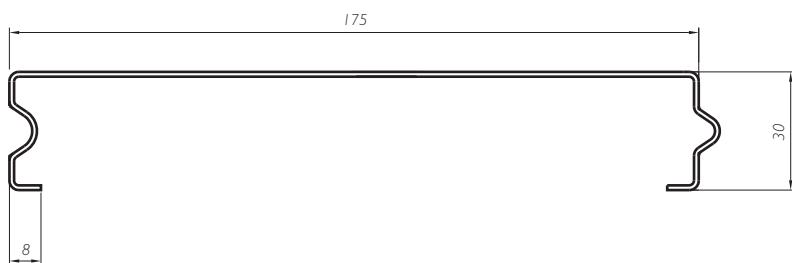
| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   |
|-----------|-------------------|------------------|------------|
| R5533A    | 1.5               | 0.547            | Galvanised |



## BRACKET STRIP

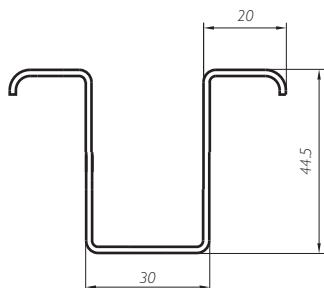
For sections not permanently in stock, minimum quantity required

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) |
|-----------|-------------------|------------------|
| R6910     | 1.2               | 2.345            |

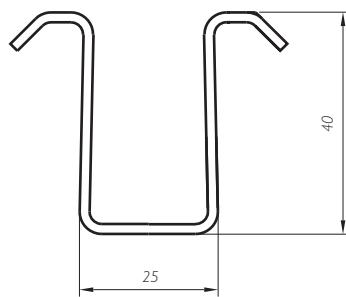


## OMEGA SECTIONS FOR GREENHOUSES

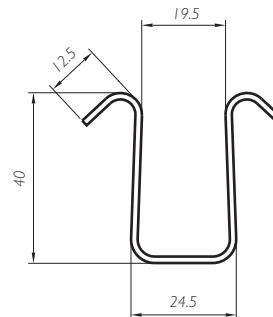
| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) |
|-----------|-------------------|------------------|
| R7114     | 1.5               | 1.789            |



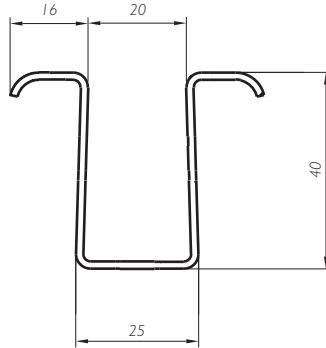
| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) |
|-----------|-------------------|------------------|
| R7473     | 1.8               | 1.794            |



| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) |
|-----------|-------------------|------------------|
| R7956     | 1.5               | 1.424            |



| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) |
|-----------|-------------------|------------------|
| R7961     | 1.5               | 1.530            |

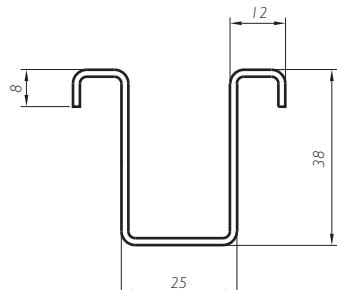


These sections can be supplied with different kinds of machining (on request)

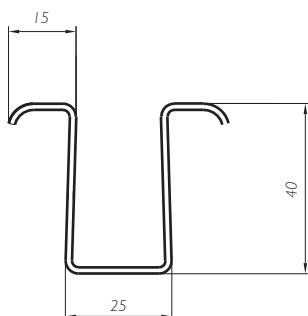
# Product range

## OMEGA SECTIONS FOR GREENHOUSES

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) |
|-----------|-------------------|------------------|
| R6944     | 1.5               | 1.483            |

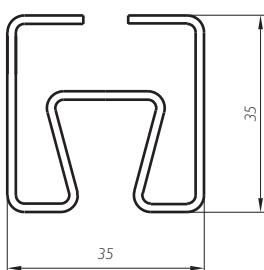


| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) |
|-----------|-------------------|------------------|
| R7348     | 1.5               | 1.530            |

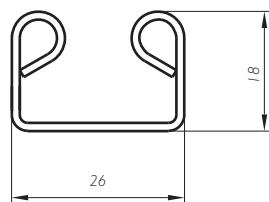


## OTHER SECTIONS FOR GREENHOUSES

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) |
|-----------|-------------------|------------------|
| R7747     | 1.5               | 1.966            |



| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) |
|-----------|-------------------|------------------|
| R7514     | 1.2               | 0.838            |



These sections can be supplied with different kinds of machining (on request)

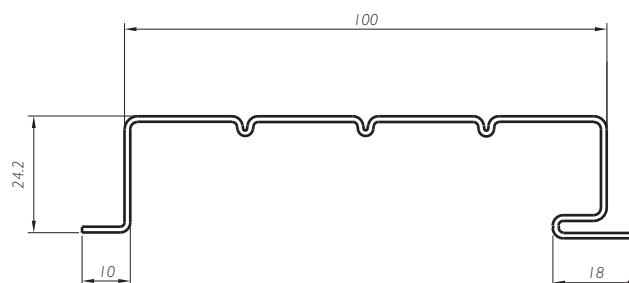
## STEEL COVER

### Sections permanently in stock

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL | LENGTH   |
|-----------|-------------------|------------------|----------|----------|
| R517I     | 1                 | 1.381            | Cold     | 6,000 mm |

### For sections not permanently in stock, minimum quantity required

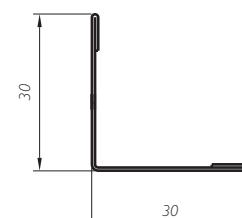
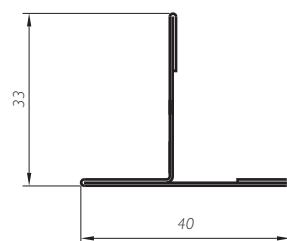
| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL            |
|-----------|-------------------|------------------|---------------------|
| R517I     | 1                 | 1.381            | Cold and Galvanised |
| R517I     | 1.2               | 1.639            | Cold and Galvanised |
| R517I     | 1.5               | 2.037            | Cold and Galvanised |



## SUSPENDED CEILINGS

### For sections not permanently in stock, minimum quantity required

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) |
|-----------|-------------------|------------------|-----------|-------------------|------------------|
| R5778     | 0.6               | 0.515            | R7548     | 0.6               | 0.330            |



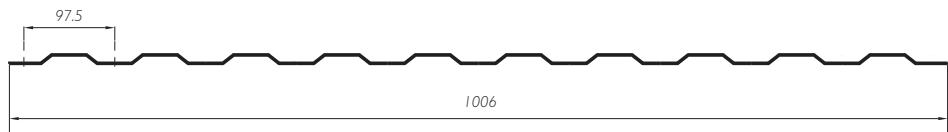
# Product range

## Shaped sheets

### Sections permanently in stock

Pegasus shaped sheet: Width 97.5 mm, height 10 mm x 38°

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   | LENGTH<br>(mm) | WIDTH<br>(mm) |
|-----------|-------------------|------------------|------------|----------------|---------------|
| R5850     | 1                 | 8.242            | Galvanised | 6,000          | 1,000         |



Pegasus shaped sheet: Width 67 mm, height 12 mm x 78°

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL            | LENGTH<br>(mm) | WIDTH<br>(mm) |
|-----------|-------------------|------------------|---------------------|----------------|---------------|
| R6504     | 1                 | 4.772            | Cold and Galvanised | 6,000          | 500           |



Pegasus shaped sheet: Width 67 mm, height 12 mm x 78°

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL            | LENGTH<br>(mm) | WIDTH<br>(mm) |
|-----------|-------------------|------------------|---------------------|----------------|---------------|
| R7100     | 1                 | 8.933            | Cold and Galvanised | 6,000          | 1,000         |

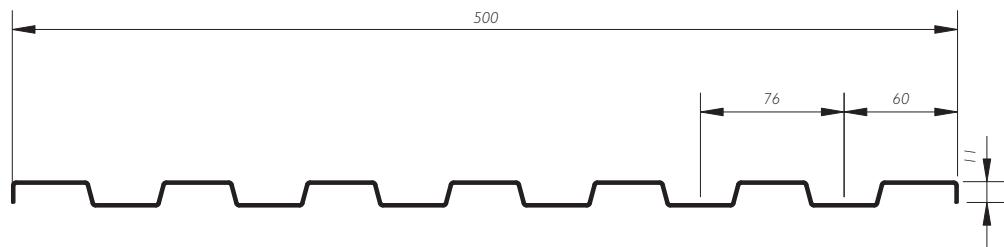


Other lengths on demand, from 2,000 to 14,000 mm

Sections not permanently in stock

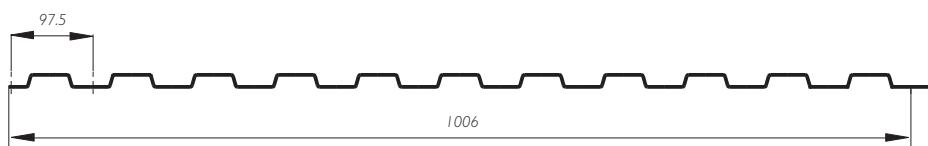
Pegasus shaped sheet: Width 76 mm, height 11 mm x 75°

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   | LENGTH<br>(mm)          | WIDTH<br>(mm) |
|-----------|-------------------|------------------|------------|-------------------------|---------------|
| R5045     | 0.8               | 3.818            | Galvanised | from 2,000<br>to 14,000 | 500           |



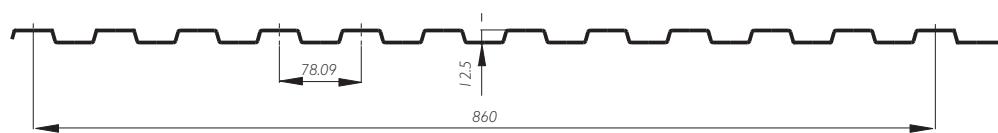
Pegasus shaped sheet: Width 97.5 mm, height 10 mm x 38°

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL | LENGTH<br>(mm)          | WIDTH<br>(mm) |
|-----------|-------------------|------------------|----------|-------------------------|---------------|
| R5850     | 1                 | 8.242            | Cold     | from 2,000<br>to 14,000 | 1,000         |



Pegasus shaped sheet: Width 78 mm, height 12.5 mm x 74°

| REFERENCE | THICKNESS<br>(mm) | WEIGHT<br>(Kg/m) | MATERIAL   | LENGTH<br>(mm)          | WIDTH<br>(mm) |
|-----------|-------------------|------------------|------------|-------------------------|---------------|
| R5985     | 1                 | 8.242            | Galvanised | from 2,000<br>to 14,000 | 1,000         |



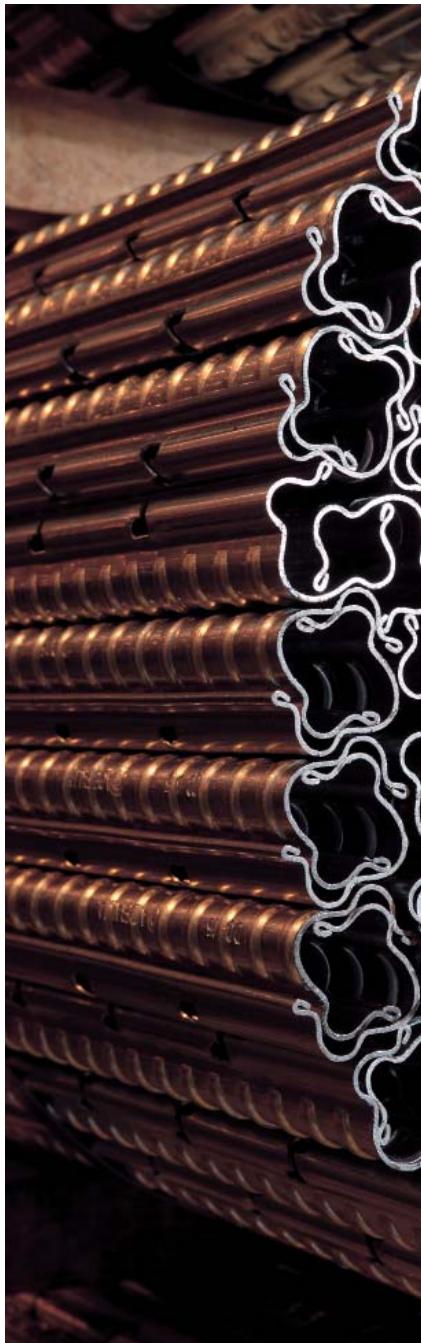
## SPECIAL SECTIONS

**Special commercial sections:** sections available for commercial supplies

- Scaffolding platform
- Skirting board
- Vineyard profiles
- Road protection systems
- Sections for indoor partitions

**Special sections made to size:** examples of sections developed to size. Not available for commercial development.

- Bus, truck and railway bodywork
- Industrial shelves
- Solar panels
- Door frames
- Furnishing
- Modular partitions
- Conduit grills



## What it consists of

Special sections are considered to be all cold-shaped sections whose geometry or particular characteristics require tailor-made design and manufacturing processes, unlike general-purpose commercial sections, that are normally available in stock.

In order to manufacture these special sections, at Grupo Condesa we use the most modern processes and technologies that allow us to provide personalised solutions oriented towards the needs of our customers.

Normally, a carefully designed geometry that includes a wide range of machining processes can eliminate subsequent operations that would be necessary on a commercial tube or section to allow additional applications, improve existing designs or undertake new projects and applications, replacing other materials with steel sections.

This involves sections with more or less complex geometrical shapes that may include several kinds of online machining processes and can be supplied cut to size. The qualities and materials used include carbon steels both in black, semi bright, cold or galvanised, stainless steels, atmospheric corrosion resistance steels and even other materials such as aluminium, titanium, etc.

This kind of profile is widely found in sectors such as building (scaffolding, light structures, etc.), railways, shelving, manufacture of machinery, etc.

Two types of product can be distinguished:

### SPECIAL COMMERCIAL SECTIONS

These are sections designed by our technical department and are oriented towards a wide range of different sectors. They can be supplied to any customer as they have been designed and developed internally and the appropriate tools are available for their manufacture.

### SPECIAL SECTIONS CUT TO SIZE

These are sections designed for the needs of individual customers to respond to a particular requirement. Any geometry proposed by the customer can be studied and developed with different kinds of machining and finishes. Our technical office will develop the production process and will design the special tools required for their manufacture. Naturally, our team of specialists can also provide the support required to optimise the design of a product and adapt this as far as possible to the requirements. These tailor-made products are supplied exclusively to the customer in question.

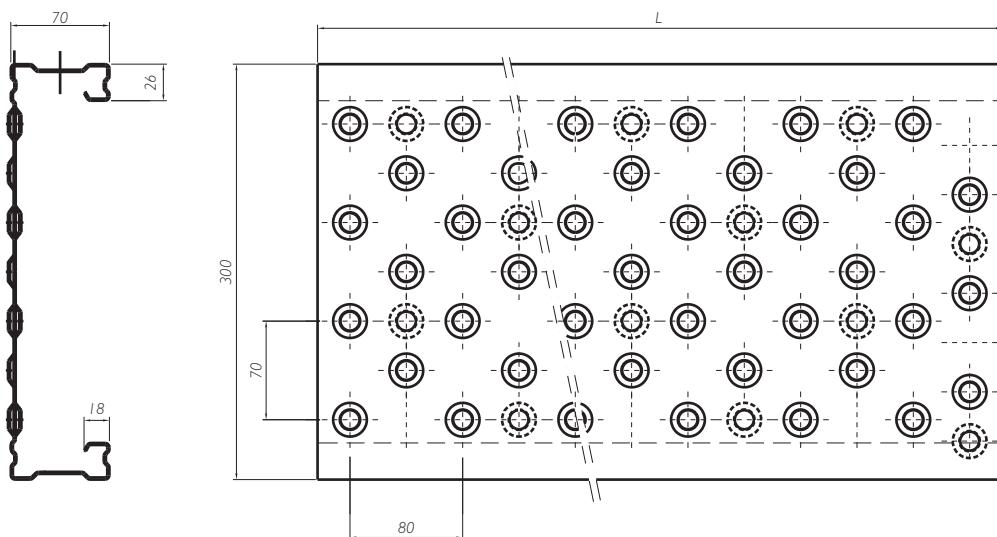


# Product range

## Special commercial sections

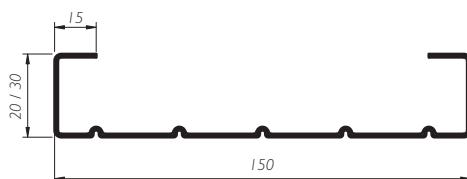
### SCAFFOLDING PLATFORM

| REFERENCE | THICKNESS<br>(mm) | WEIGHT (kg/m) | MATERIAL                        | LENGTH (mm)   |
|-----------|-------------------|---------------|---------------------------------|---------------|
| R7844     | 1.5               | 6.194         | Black and Sendzimir Galvanising | Miscellaneous |



### SKIRTING BOARD

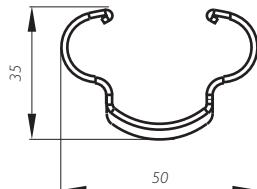
| REFERENCE | THICKNESS<br>(mm) | WEIGHT (kg/m) | MATERIAL                       |
|-----------|-------------------|---------------|--------------------------------|
| R7845     | 1.2               | 2.010         | Cold and Sendzimir Galvanising |
| R7845A    | 1.2               | 2.190         | Cold and Sendzimir Galvanising |



## VINEYARD PROFILES

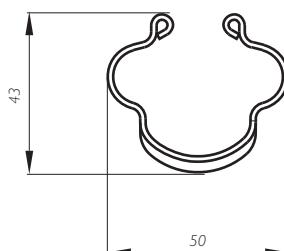
- Intermediate posts
- Standard post

| REFERENCE | THICKNESS<br>(mm) | WEIGHT (kg/m) | MATERIAL              |
|-----------|-------------------|---------------|-----------------------|
| R7901     | 1.5               | 1.300         | Sendzimir Galvanising |



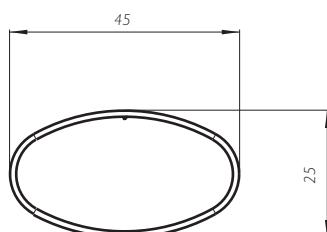
Strengthened post

| REFERENCE | THICKNESS<br>(mm) | WEIGHT (kg/m) | MATERIAL              |
|-----------|-------------------|---------------|-----------------------|
| R7818     | 1.5               | 1.577         | Sendzimir Galvanising |



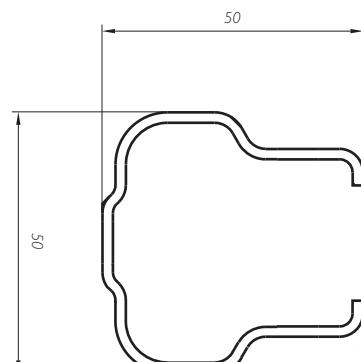
Welded post

| REFERENCE | THICKNESS<br>(mm) | WEIGHT (kg/m) | MATERIAL              |
|-----------|-------------------|---------------|-----------------------|
| R7654     | 1.5               | 1.313         | Sendzimir Galvanising |



• End post

| REFERENCE | THICKNESS<br>(mm) | WEIGHT (kg/m) | MATERIAL              |
|-----------|-------------------|---------------|-----------------------|
| R7682     | 2                 | 2.308         | Sendzimir Galvanising |

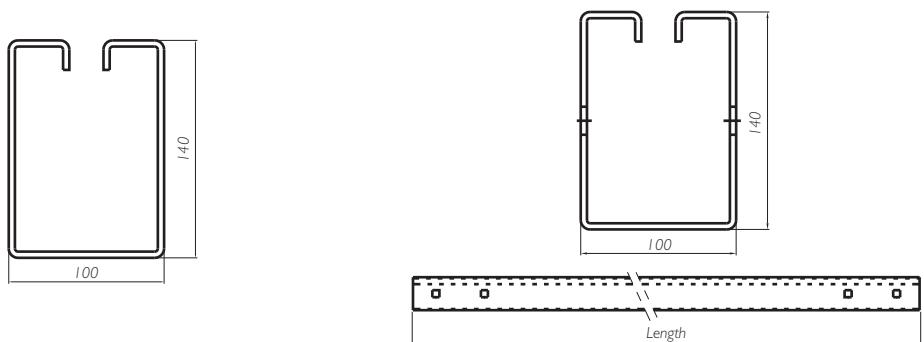


# Product range

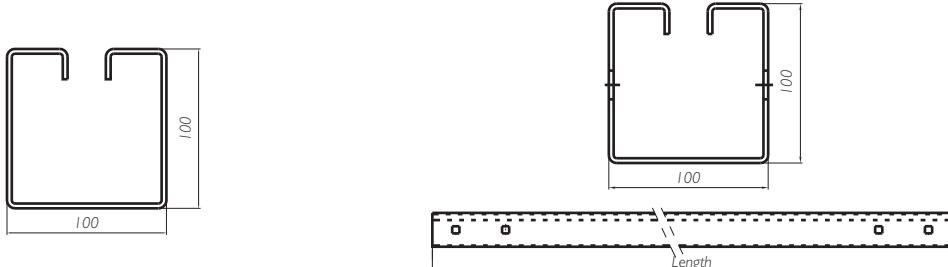
## ROAD PROTECTION SYSTEM

- Safety Barriers

| REFERENCE | THICKNESS (mm) | WEIGHT (kg/m) | PUNCHING | LENGTH (mm)          | MATERIAL |
|-----------|----------------|---------------|----------|----------------------|----------|
| R7888     | 4              | 14.491        | No       | From 3,000 to 14,000 | Black    |
| R7888A    | 4              | 14.491        | Yes      | From 3,000 to 14,000 | Black    |

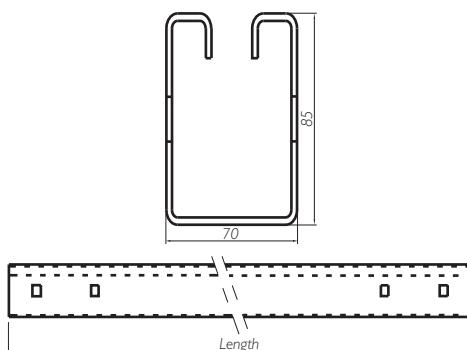


| REFERENCE | THICKNESS (mm) | WEIGHT (kg/m) | PUNCHING | LENGTH (mm)          | MATERIAL |
|-----------|----------------|---------------|----------|----------------------|----------|
| R7889     | 3              | 9.113         | No       | From 3,000 to 14,000 | Black    |
| R7889A    | 3              | 9.113         | Yes      | From 3,000 to 14,000 | Black    |



- Post for securing corrugated barrier

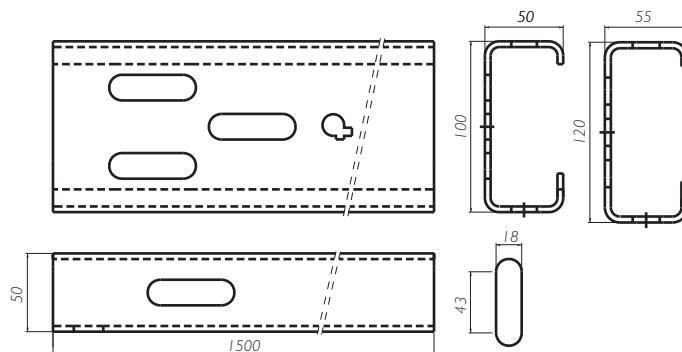
| REFERENCE | THICKNESS (mm) | WEIGHT (kg/m) | PUNCHING | LENGTH (mm)          | MATERIAL |
|-----------|----------------|---------------|----------|----------------------|----------|
| R7934     | 3              | 6.935         | Yes      | From 3,000 to 14,000 | Black    |



## ROAD PROTECTION SYSTEM

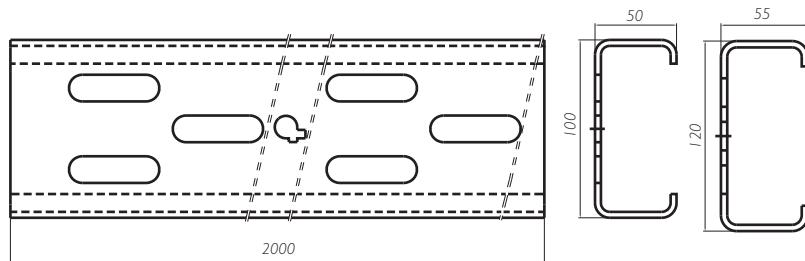
### • “C” Post

| REFERENCE | THICKNESS (mm) | WEIGHT (kg/m) | HEIGHT | LENGTH (mm) | MATERIAL |
|-----------|----------------|---------------|--------|-------------|----------|
| R7474     | 4              | 6.374         | 100    | 1,500       | Black    |
| R7475     | 4              | 7.316         | 120    | 1,500       | Black    |



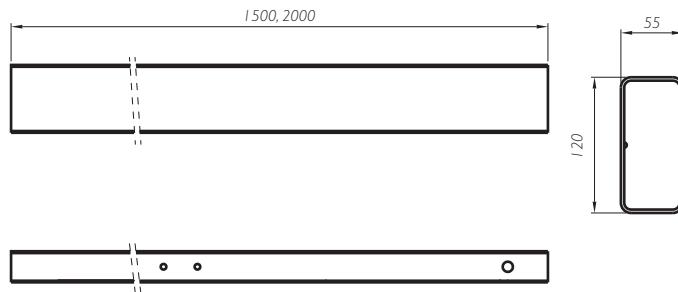
### • Post with double perforation

| REFERENCE | THICKNESS (mm) | WEIGHT (kg/m) | HEIGHT | LENGTH (mm) | MATERIAL |
|-----------|----------------|---------------|--------|-------------|----------|
| R7474A    | 4              | 6.374         | 100    | 2,000       | Black    |
| R7475A    | 4              | 7.316         | 120    | 2,000       | Black    |



### • Welded post

| REFERENCE | THICKNESS (mm) | WEIGHT (kg/m) | LENGTH (mm)     | MATERIAL |
|-----------|----------------|---------------|-----------------|----------|
| R788I     | 3              | 7.606         | 1,500 and 2,000 | Black    |

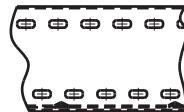
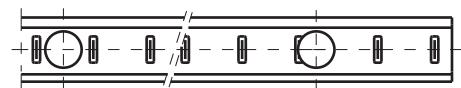
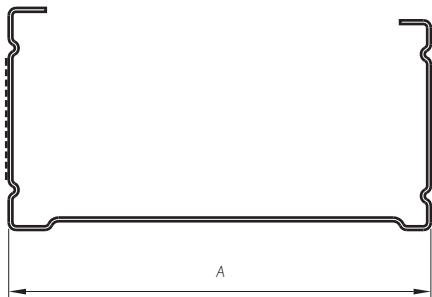


# Product range

## SECTIONS FOR INDOOR PARTITIONS

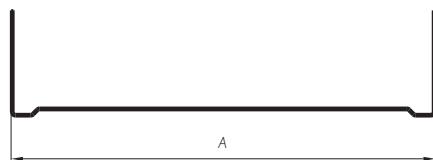
- Leg section

| REFERENCE | THICKNESS<br>(mm) | WIDTH<br>(A, mm) | WEIGHT<br>(kg/m) | MATERIAL                 |
|-----------|-------------------|------------------|------------------|--------------------------|
| R6796     | 0.55              | 46.5             | 0.526            | Sendzimir<br>Galvanising |
| R6796A    | 0.55              | 68.5             | 0.621            |                          |
| R6796B    | 0.55              | 88.5             | 0.708            |                          |
| R6796C    | 0.55              | 98.5             | 0.751            |                          |



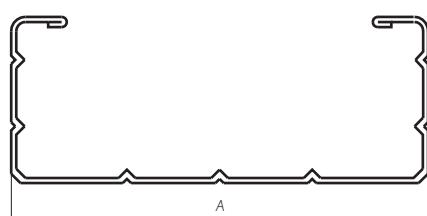
- Rail section

| REFERENCE | THICKNESS<br>(mm) | WIDTH<br>(A, mm) | WEIGHT<br>(kg/m) | MATERIAL                 |
|-----------|-------------------|------------------|------------------|--------------------------|
| R6798     | 2.50              | 48               | 0.380            | Sendzimir<br>Galvanising |
| R6798A    | 2.50              | 70               | 0.469            |                          |
| R6798B    | 2.50              | 90               | 0.547            |                          |
| R6798C    | 2.50              | 100              | 0.586            |                          |



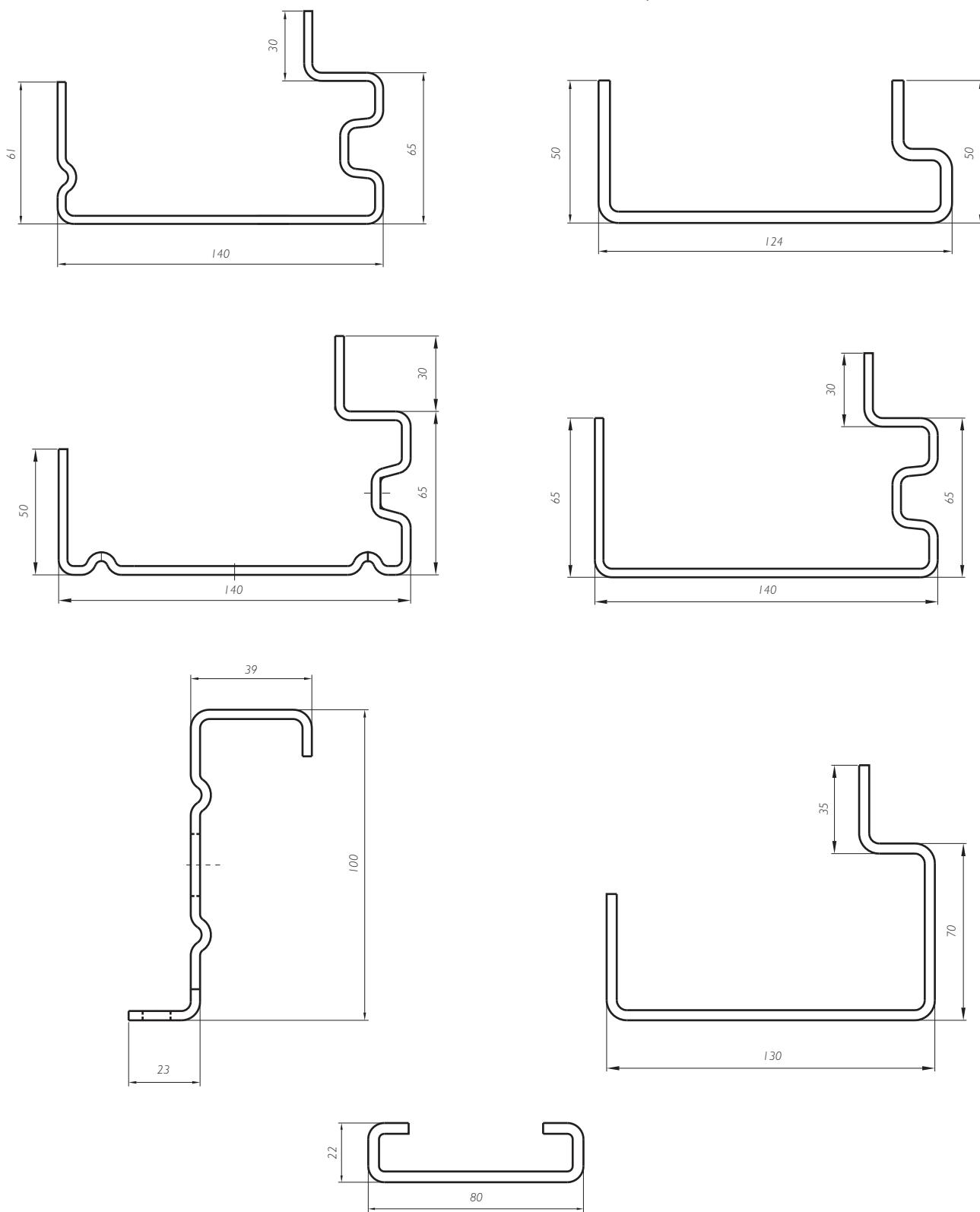
- Ceiling section

| REFERENCE | THICKNESS<br>(mm) | WIDTH<br>(A, mm) | WEIGHT<br>(kg/m) | MATERIAL                 |
|-----------|-------------------|------------------|------------------|--------------------------|
| R6795     | 0.55              | 45               | 0.397            | Sendzimir<br>Galvanising |
| R7874     | 0.55              | 47               | 0.406            |                          |



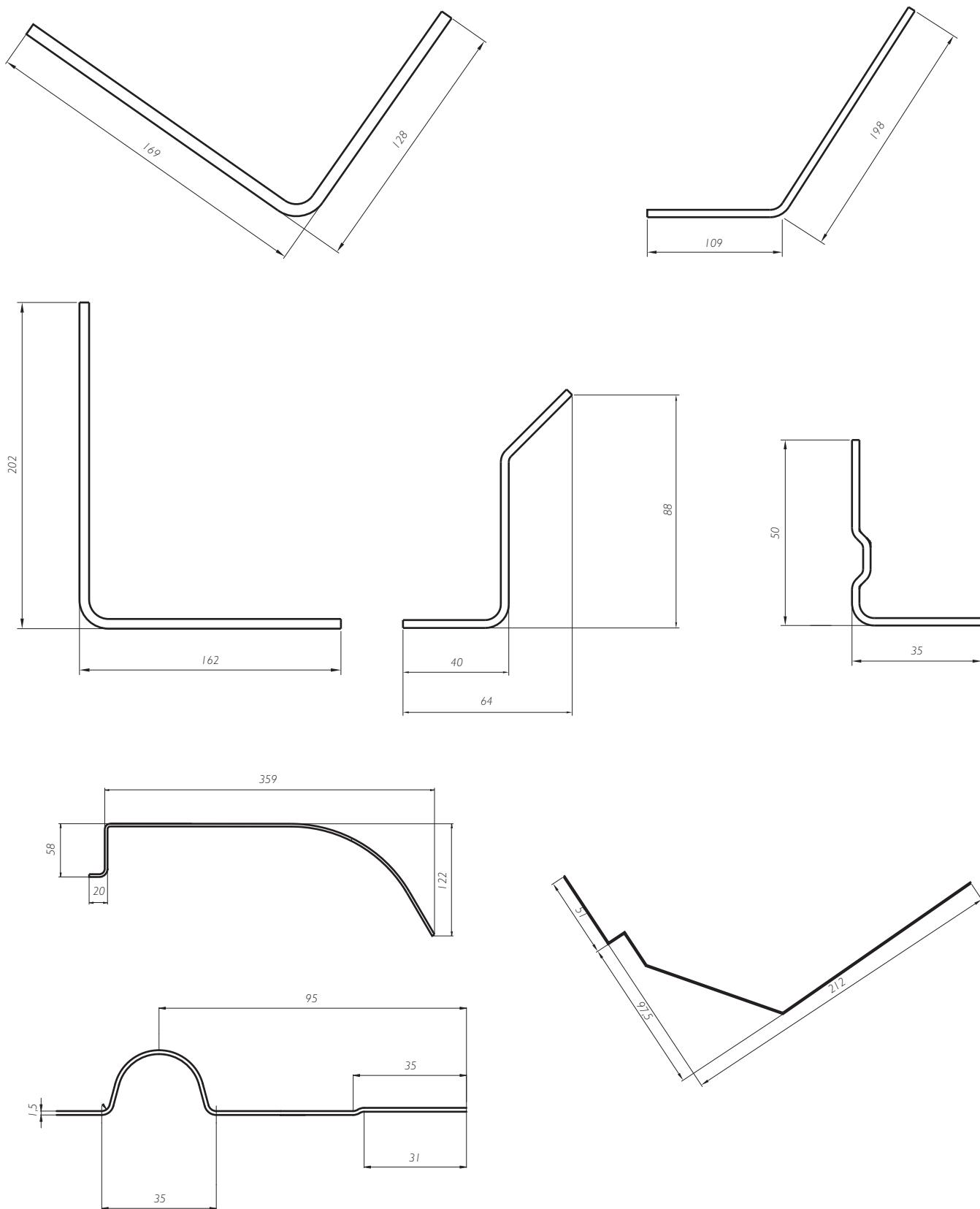
## Special sections made to size

BUS, TRUCK AND RAILWAY BODYWORK



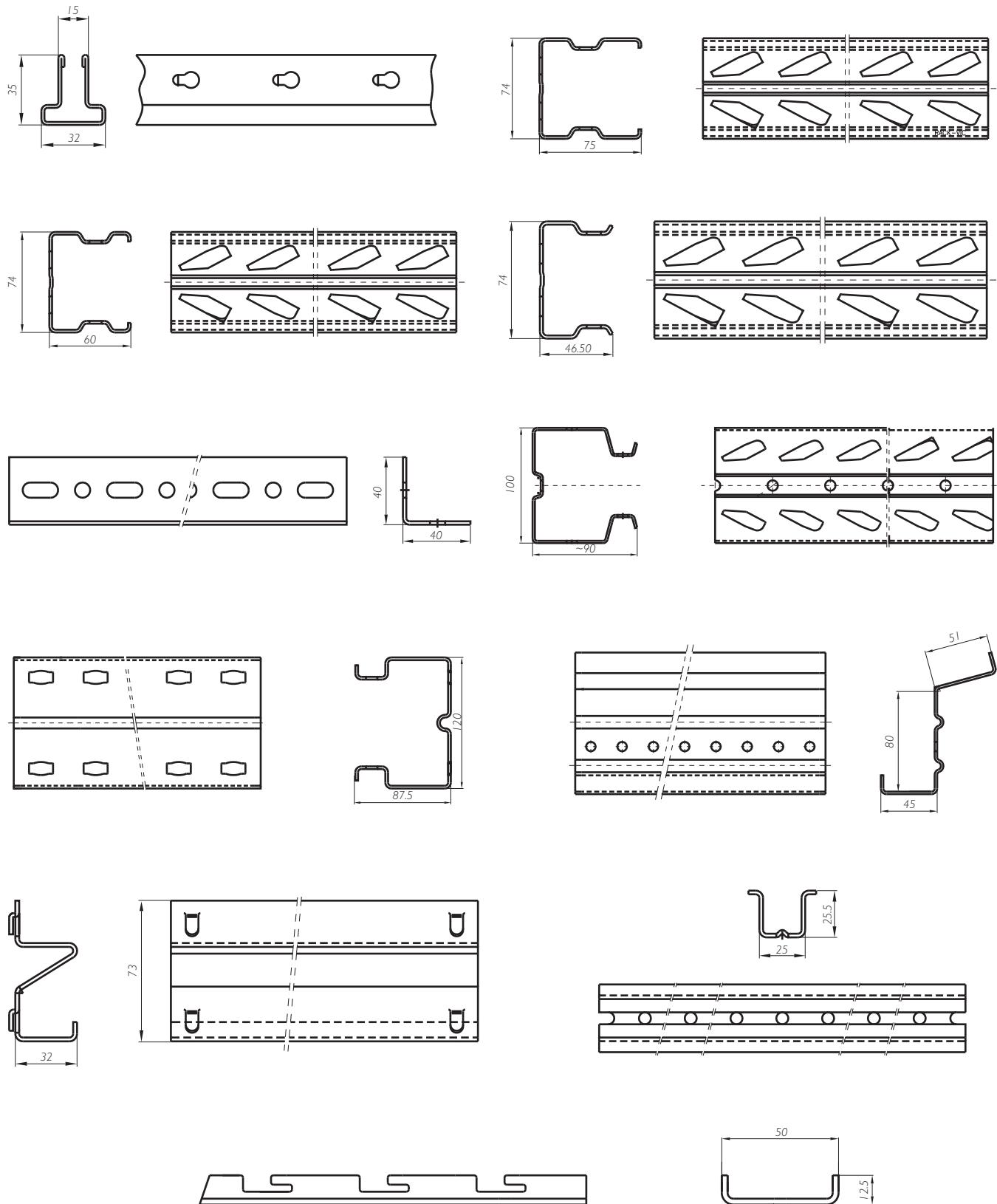
The figures shown below are examples of special made-to-measure sections developed for specific clients and applied in the range of different sectors. These are not supplied commercially under any circumstances.

## BUS, TRUCK AND RAILWAY BODYWORK



The figures shown below are examples of special made-to-measure sections developed for specific clients and applied in the range of different sectors. These are not supplied commercially under any circumstances.

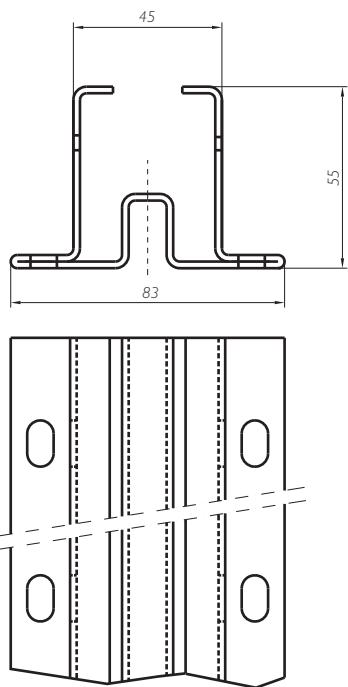
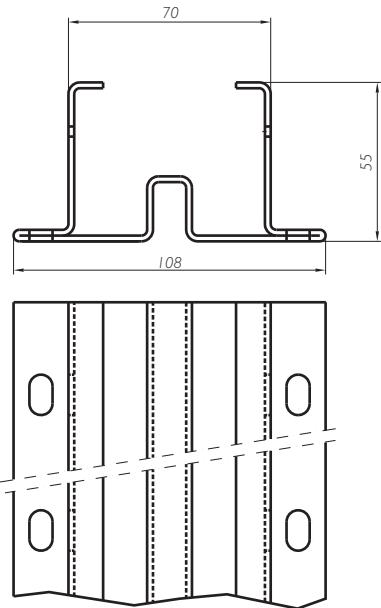
## INDUSTRIAL SHELVES



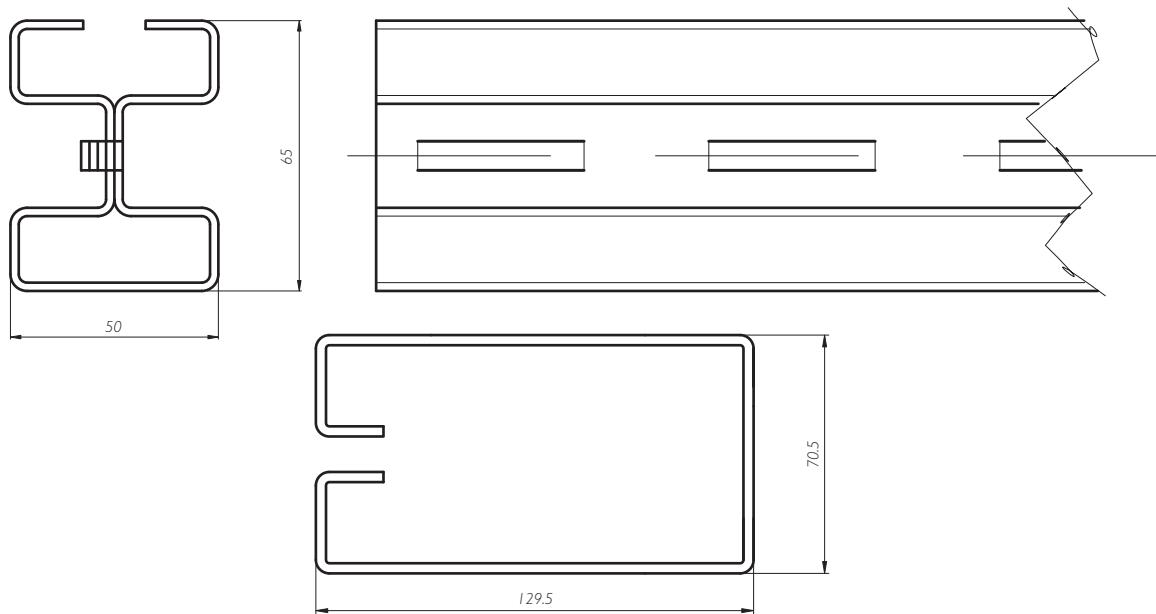
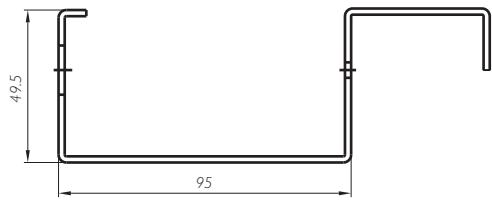
The figures shown below are examples of special made-to-measure sections developed for specific clients and applied in the range of different sectors. These are not supplied commercially under any circumstances.

# Product range

## INDUSTRIAL SHELVES

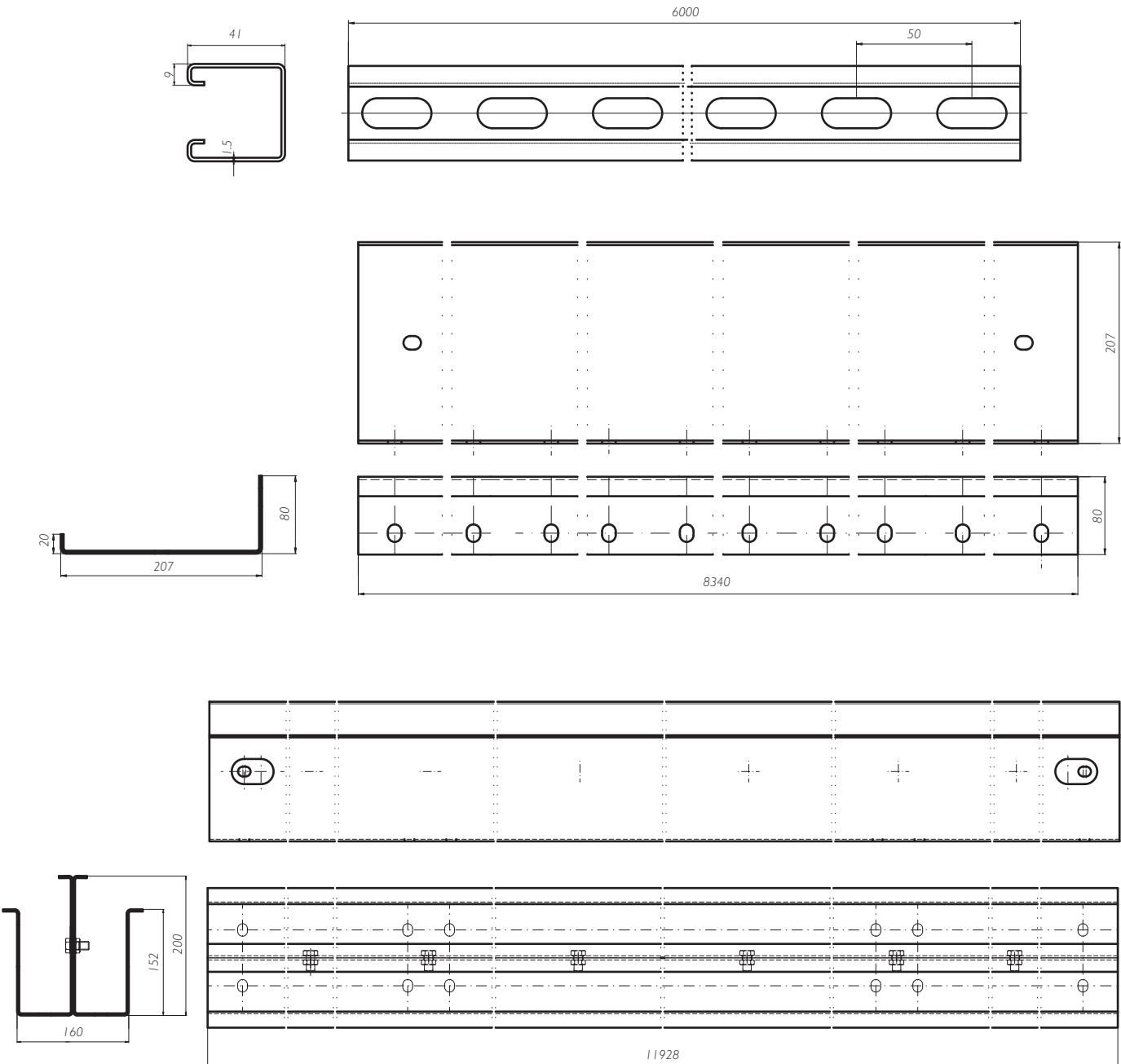


## SOLAR PANELS



The figures shown below are examples of special made-to-measure sections developed for specific clients and applied in the range of different sectors. These are not supplied commercially under any circumstances.

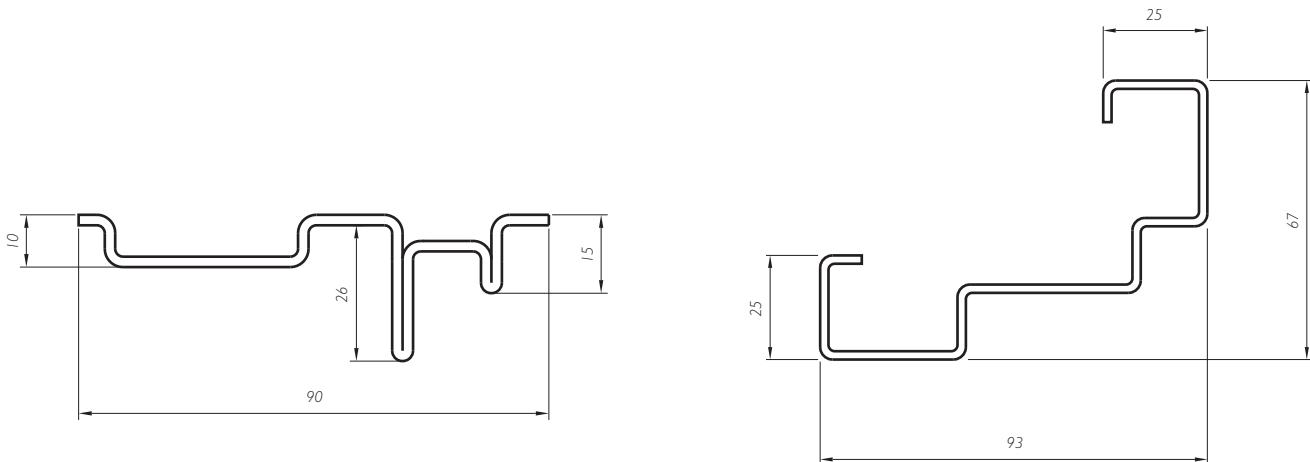
## SOLAR PANELS



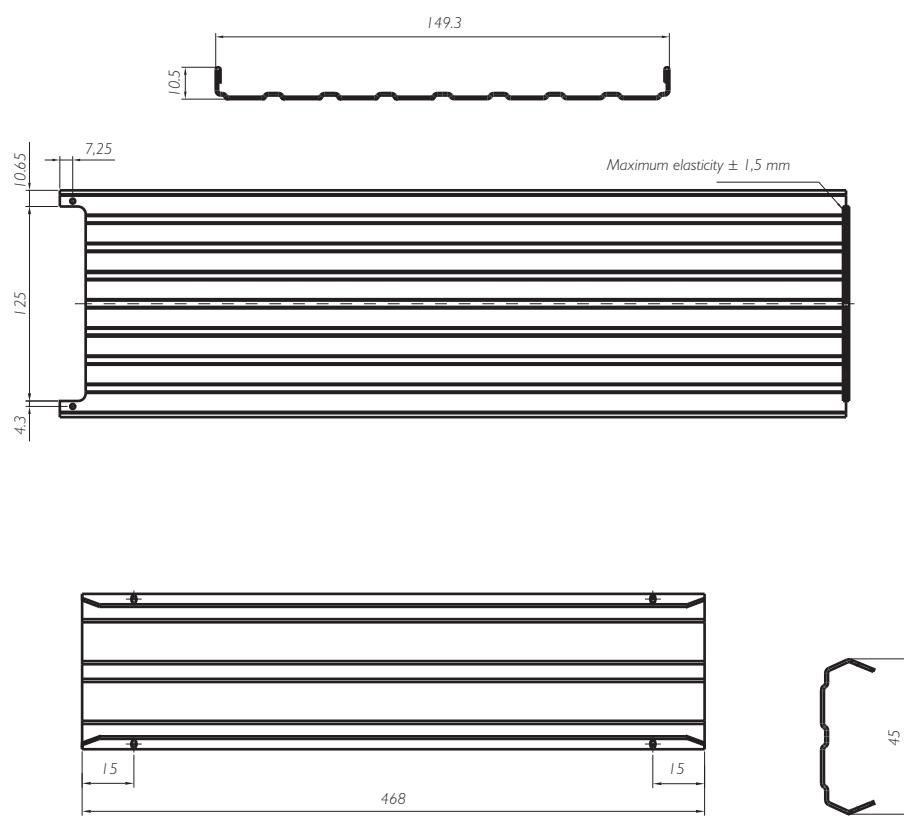
The figures shown below are examples of special made-to-measure sections developed for specific clients and applied in the range of different sectors. These are not supplied commercially under any circumstances.

# Product range

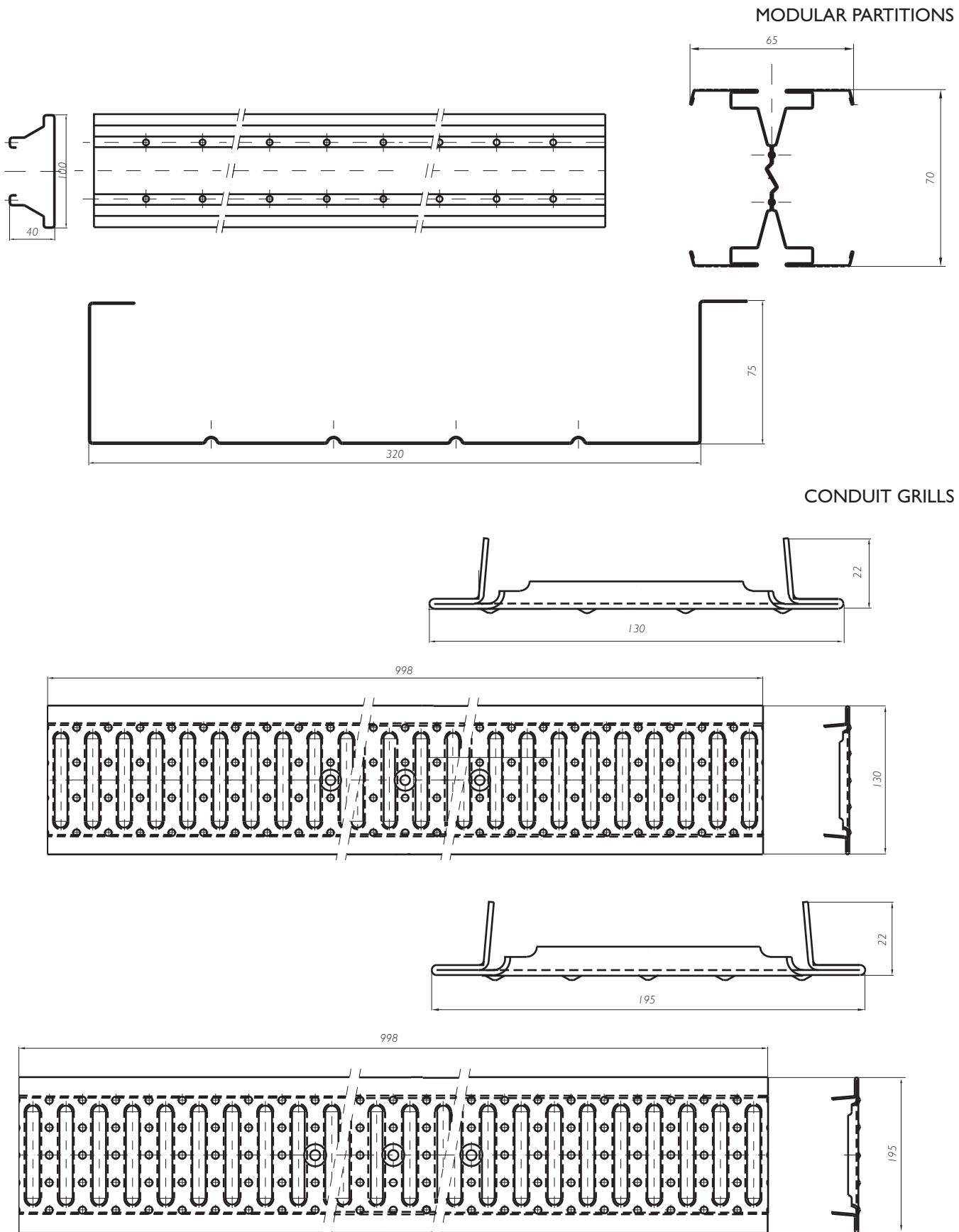
## DOOR FRAMES



## FURNISHINGS



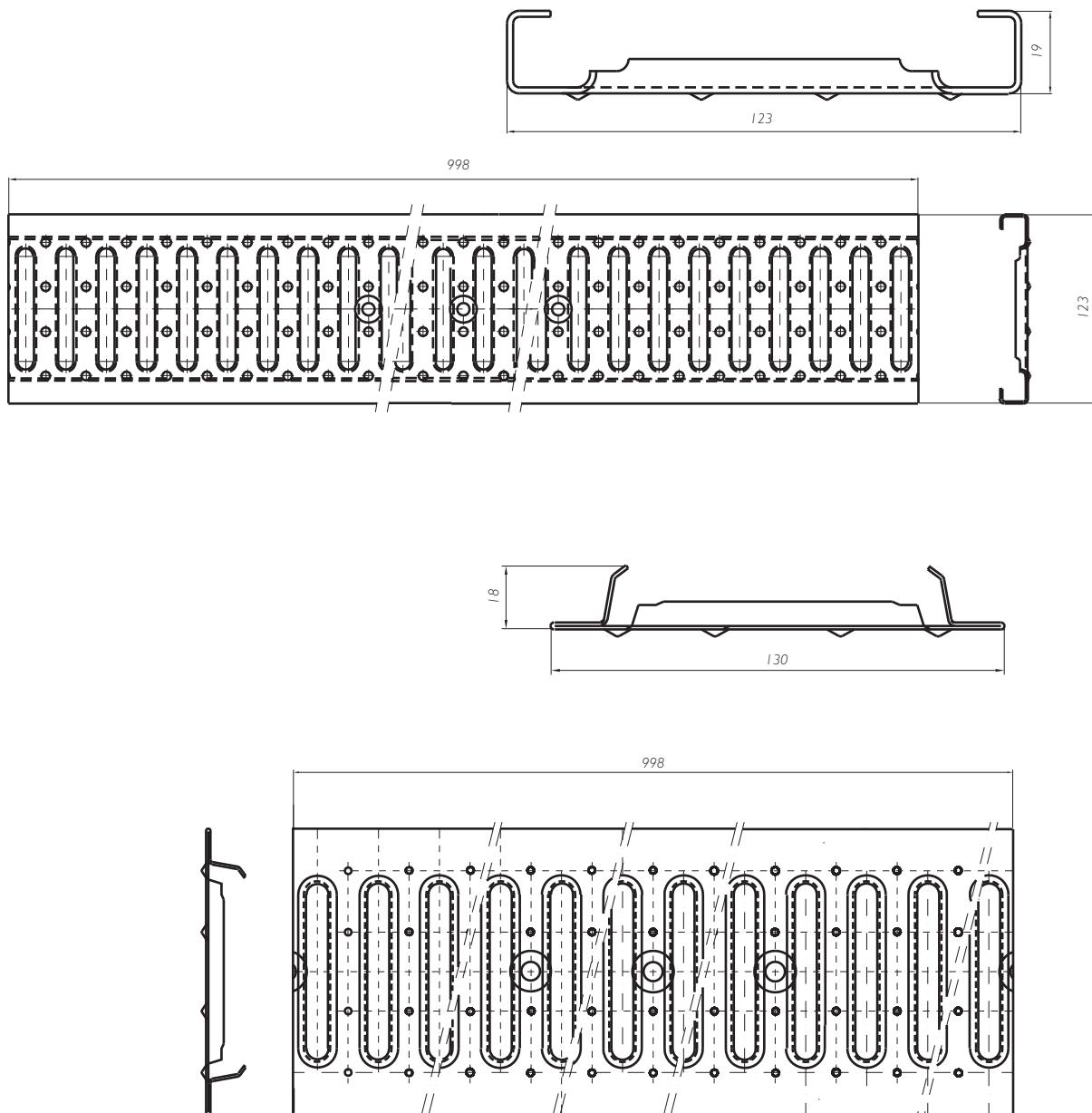
The figures shown below are examples of special made-to-measure sections developed for specific clients and applied in the range of different sectors. These are not supplied commercially under any circumstances.



The figures shown below are examples of special made-to-measure sections developed for specific clients and applied in the range of different sectors. These are not supplied commercially under any circumstances.

# Product range

## CONDUIT GRILLS



The figures shown below are examples of special made-to-measure sections developed for specific clients and applied in the range of different sectors. These are not supplied commercially under any circumstances.

