



Lyon 13108

### Technical specifications

› **Structure**

- Made of tube and steel plate arc welding with continuous wire.

› **Polyurethane foam**

- Seat density: 60-65Kg/m<sup>3</sup>.
- Backrest density: 50-55Kg/m<sup>3</sup>.

› **Paint**

- Electrostatic powder polyester paint.
- Paint Thickness: 70-80 microns.
- Grid adhesion according to UNE-EN ISO 2409 : 100%.

› **Upholstery**

- Reaction to fire standards:
  - Spain: UNE-EN 1021 Parts 1 and 2.
  - France: NF D 60-013.
  - Italy: UNI 9175 Class 1.IM.
  - Germany: DIN 66084.
  - USA: CAL TB117.

› **Aluminium**

- With cast aluminium alloy.
- Tensile strength (Rm)=240 Mpa.
- Elongation <1%.

› **Polyamide**

- Material: Polyamide.
- Tensile stress at break according ISO 527-2: 220 Mpa.
- Tensile modulus according ISO 527 -2: 14000 Mpa.

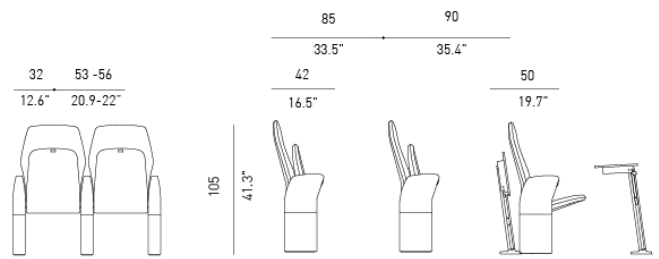
› **Fire resistance**

- BS 5852. Clause12. Ignition sources 0,1 and 5. (with approved fabric).
- USA:CAL T.B. 133 (with approved fabric).

› **Resistance and durability classification**

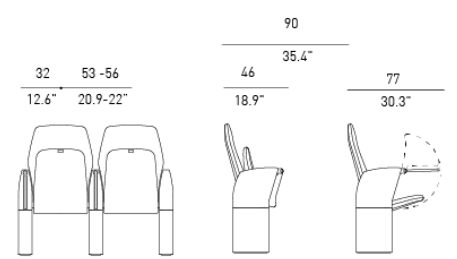
- UNE-EN 12727 Level 4 (Severe use).

### General dimensions



Lyon 13108

Lyon 13108 + F 48



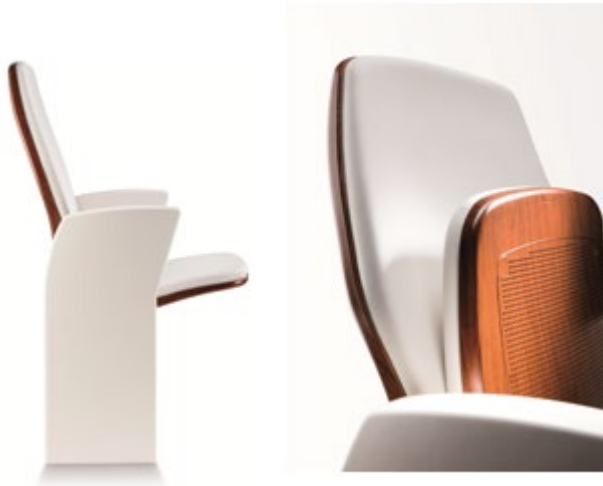
Lyon 13108 PLX

However, for the purpose of facilitating to the customer the latest novelties, FIGUERAS reserves the right to introduce the modifications and variations that it considers most appropriate and suitable for marketing its products.

## General description

› This seat of optimal dimensions comes with special acoustic characteristics.

· It's an seat with a folding seat. This upholstered foam seat is supported by an injected ABS structure which is fixed to the back of the tub injected in polyamide and perforated, to provide the seat with the best acoustic performance. The backrest has the same composition but without holes in the seat shell, which is feels completely smooth and polished.



· The wheelbase varies from 53 to 56 cm and the backrest inclination angle also varies, consequently achieving an alignment of backrests and adjusting the seat for the specific use of the room.

· The seat and backrest consist of two blocks of moulded polyurethane foam and have an internal structure of injected ABS with an upholstery fully integrated into the foam with help of the Integral Form system, without any seams or stitching.

· The seat automatically folds with two springs that are located on the side panels. The mechanism incorporates the movement damping system -Controlled Soft Rise Technology- thus avoiding possible thumps or loud noises that could cause disturbance in the room.



· The seat is supported on two lateral aluminium structures, each one composed of three elements assembled together where the upper part acts as an armrest forming a unique and monolithic whole.

· Reaction to fire: the product complies with international regulations.

· The minimum distance between axles is 53 cm.

· Along with the F48 table or the F1000 table, it becomes an optimal solution for long working sessions and conferences.



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## Materials and finishes

### › Metal Parts Features

- The steel complies with the following European standards:
  - Tube up to 2mm thick: Alloy designation according to UNE-EN 10305 part 3: E-220.
  - Tube more than 2 mm thick: Alloy designation S275JR.
  - Plate: alloy designation according to EN 10111: DD12.

### › Protection and Paint of Metal Parts

- Prior to powder coating, metal parts are treated with a three stage, non-acidic cleaning process to achieve superior finish adhesion. The finishing of the thermosetting polyester powder coating must be applied by electrostatic means with a minimum thickness of 70-80microns.

• After coating, the parts must be oven cured to create a durable finishing that meets the following requirements:

- Composition: Polyester powder suitable for outdoor use.
- Cross Cut Test Adhesion according to UNE-EN ISO 2409 classification GT 0-1.
- Scratch resistance according to ISO 15184:98 Level HB-H.
- Total thickness: 70-80Microns.
- Rust resistance (NSS), according to ISO 9220: 200 h.
- Resistance to MEK 50 double rubs without paint stripping.

### › Plastic parts features

- It's a high pressure injection moulded polyamide seat shells and backrest trays. High durability pigmented coloured plastic with polished exposed face surface.

### › Seat and Backrest Cushions Features

- The seat and backrest cushions are made of cold-molded polyurethane foam.

- On the inside, both include polypropylene structures with metal frame around it. This system will guarantee a great comfort and will avoid the appearance of deformations in the foams, even after an intensive use.

- The upholstery is made with the Integral Form System, forming a single element with polyurethane foam and structure. This avoids the appearance of wrinkles, even in intensive uses.

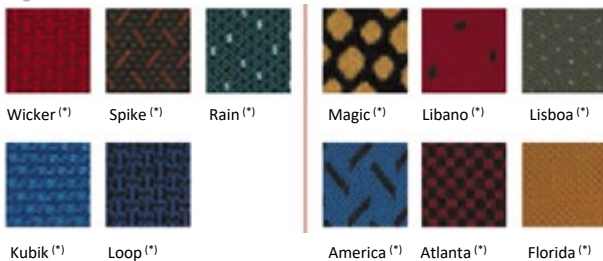
- Optionally, a fire barrier can be incorporated between the upholstery and the PUR foam.

- They comply with all international fire behaviour requirements.

- Seat foam density 60-65 kg/m<sup>3</sup>.
- Backrest foam density 50-55kg/m<sup>3</sup>.

### › Upholstery

- Group A:  
Figueras Fabrics ®



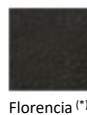
- Group B:



- Group V:

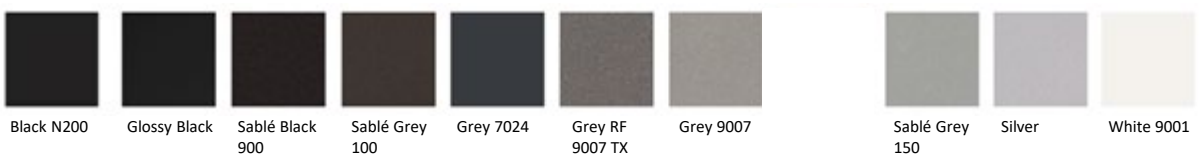


- Group L:



(\* ) Fabric sample / printed by collection. Check colours available.

### › Pigments for metal parts



### › Pigments for plastic parts



### › Tecnowood finishes for plastic parts



Ask our team for further available options