



Smart 13033

Technical specifications

› **Structure**

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

› **Polyurethane foam**

- Seat density: 60-65 Kg/m³.
- Backrest density: 50-55 Kg/m³.

› **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.

› **Leather**

- Adhesion to finish according UNE-EN ISO 11644: >2.5 N/cm²
- Resistance to rubbing according UNE-EN ISO 11640: (Dry, 1.000 Cycles) >4

› **Polypropylene**

- Material: Polypropylene Copolymer IF-727.
- Tensile strength according to ISO 527-2: 26 Mpa.
- Elasticity module according to ISO 527-2: 1250 Mpa.

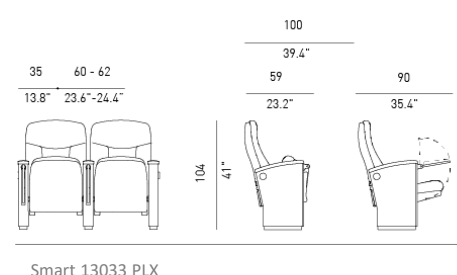
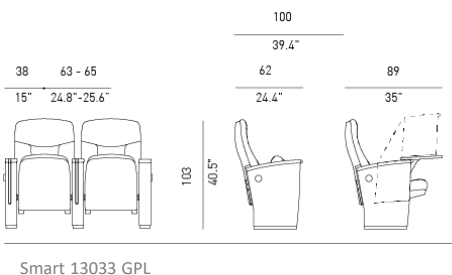
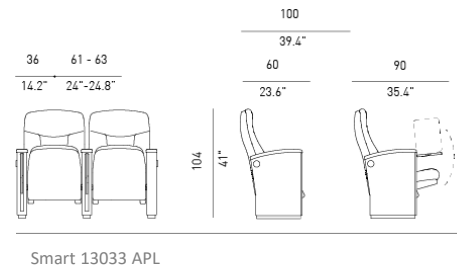
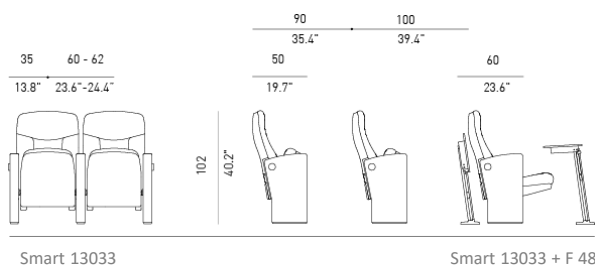
› **Fire resistance**

- 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



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

› Seat designed for theatres, conference rooms, corporate rooms, auditoriums or cinemas that require a product of great comfort and generous dimensions.

· The minimum wheelbase is 60 cm nominal value. This distance is not achieved by incorporating wider arms or supplements between the seats, but by increasing the dimensions of the seat and backrest, so that the minimum real space for the user is 56 cm, a size that provides a high level of comfort. The backrest and seat position have been designed for this type of use.



· Seat with lateral sides fixed to the floor by means of a steel support and plate. The sides are joined to each other with a metal tube structure which, together with the lateral supports attached to the floor, form the basic structure of the row. This is an extremely rigid set where the rest of the components will be fixed. All sides are fully upholstered in its upper volume incorporating flexible PUR foam inside that offers a soft and comfortable touch in the area of the armrest.

· The seat and backrest are made up of two blocks of moulded polyurethane foam, with a metal interior structure and upholstery fully integrated into the foam using the Integral Form system, without any seams or stitching. In case of replacement, we guarantee that the part is exact to the original.

· Between the upholstery and the foam, both in the seat and in the backrest, a fire-resistant -TS System- curtain can be incorporated to prevent the fire from penetrating into the foam, delaying the emission of toxic gases and the spread of flames.

· The seat is automatically folded by means of a double spring system inserted inside the seat shell (tested at 100,000 cycles), without the need for any type of lubrication and is extremely silent.

· The seat is assembled on two lateral feet joined by a central steel bridge, two lateral wings for the fixing of the backrest and the support of the tilting axes on which the seat rests.

· The sides are panels made of high-density wood and upholstered up to the floor with protective top. They end at the bottom in a support base made of steel sheet through which the seat is fixed to the floor by means of anchors that are hidden inside.



· Each arm belongs to two seats, except in the case of the final row seats or in individual seating arrangements.

· Both seat and backrest incorporate the TX acoustic system, a set of holes in the back for excellent acoustic response. Seat and backrest can be fully upholstered without losing any of its acoustic properties.

· The backrest can also be made in HR finishing. This type of backrest is characterised by the incorporation of a headrest which is integrated into the whole backrest, i.e. it is not added to the backrest but forms part of it. This headrest system provides a clear ergonomic advantage by becoming a natural extension of the backrest, not an accessory added to it.

· For short conferences, a writing desk may be incorporated, hidden inside the side with an injected aluminium hinge.

· Together with the F-48 table or the F-1000 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 70-80 microns.

- 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.

› Characteristics of plastic parts

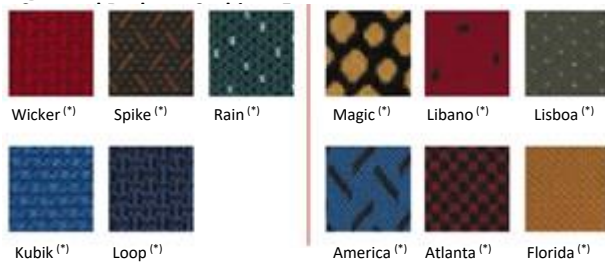
- High pressure injection moulded seat and backrest made of high impact copolymer polypropylene. High durability pigmented coloured plastic with textured exposed surface.

› Upholstery

• Integral Form / Traditional

• Group A:

Figueras Fabrics ®



• Only Traditional

• Group A:

Figueras Fabrics ®



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

(*) Quotation for traditional upholstery upon request.

› Finishes for wood parts



› Pigments for plastic parts



- The seat and backrest cushions are made of cold moulded polyurethane foam.
- In the inside, both include metallic tube structures and steel plates, with springs. This system guarantees great comfort and avoids the appearance of deformations in the foams, even after an intensive use.
- The headrest is also made of cold molded foam.
- The upholstery of the cushions and headrest can be handcrafted, allowing all types of upholstery: woven, similar leather or natural leather. Within the range of products approved by Figueras.
- This allows the seat to be customized according to each project's requirements.
- 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/m³.
- Backrest foam density 50-55kg/m³.

• Group B:



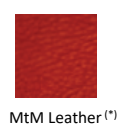
• Group V:



• Group L:



• Group L MTM:



› Tecnowood finishes for plastic parts

