



Smart XL 13032

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.

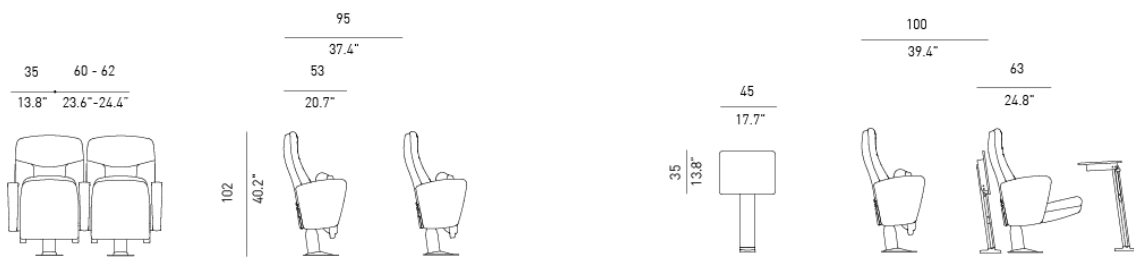
› **Fire resistance**

- BS 5852. Clause 12. 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



Smart XL 13032

F48

Smart XL 13032 + F48

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

› Modular seat of large dimensions composed of totally interchangeable elements. Designed for theatres, conference rooms, corporate rooms, auditoriums and cinemas.



· The minimum wheelbase is 60 cm nominal value. This distance is not achieved by adding 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 measure that provides a high level of comfort.-

· The seat and backrest are made up of two blocks of moulded polyurethane foam, with a metal interior structure incorporated and the upholstery fully integrated into the foam by means of the Integral Form system, without seams or stitching. The Integral Form system guarantees an exact piece to the original in case of replacement.-

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



· The backrest mattress is anatomically shaped with vertical and horizontal channels. The seat cushion is anatomically shaped and smooth, without any canal or grooves to prevent the accumulation of dirt.

· The seat is assembled on a central foot attached to an internal connecting bridge that interconnects the different seats and allows the formation of totally rigid and stable rows. The feet are made of tubular steel structure finished in polyester paint. They are fixed to the ground with the appropriate anchors. The seat adapts to the specific slope of the room at the base of the foot. The rows are formed by means of interconnected backrests and allow the formation of totally rigid and stable rows, reinforcing the fixation to the floor.

· The seat and backrest are fitted with fully washable polypropylene shells at the back, thus avoiding rubbing or dirt on the back of the upholstery.

· The seat folds automatically by means of a double spring system inserted inside the seat tray (tested at 100,000 cycles). It requires no lubrication and is extremely quiet.



· The arms, both intermediate and at the end of the row, are fully upholstered.

· Both seat and backrest incorporate the TX acoustic system, a set of holes in the back for excellent acoustic response.

· Optionally, the backrest can incorporate a piece of upholstery in its upper rear part and optionally, the seat can be fully upholstered without losing any of its acoustic properties.

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

· Together with the F-48 table, it is an optimum 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.

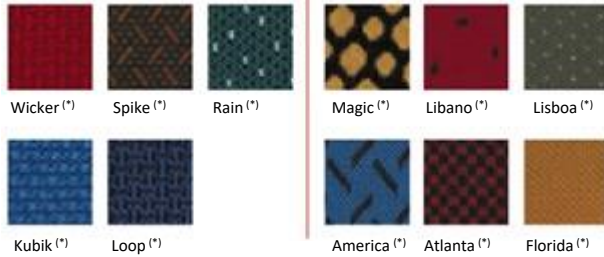
› Characteristics of plastic parts

- 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.

› Seat and Backrest Cushions Features

- 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.

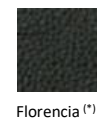
• Group B:



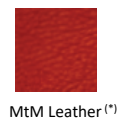
• Group V:



• Group L:



• Group L MTM:



› Pigments for plastic parts



› Tecnowood finishes for plastic parts

