



Smart 13030

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.

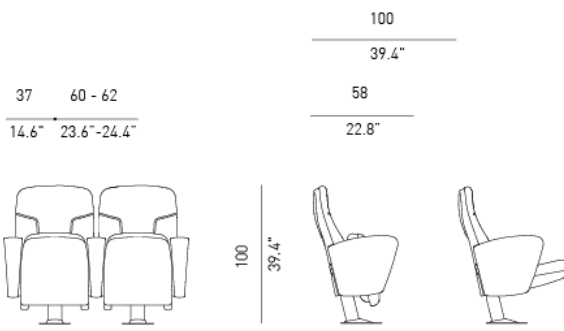
› **Fire resistance**

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

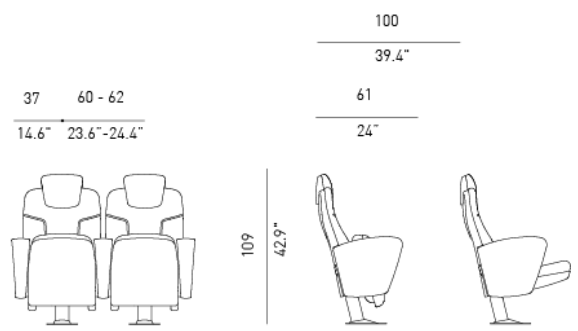
› **Resistance and durability classification**

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

General Dimensions



Smart 13030



Smart 13030 HR

General Description

- › Modular seat of large dimensions composed of totally interchangeable elements.
- 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 of 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 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 and upholstery integrated into the foam using the Integral Form system, without seams or stitching.



- Between the upholstery and the foam, a -TS System- fire curtain may be incorporated. This will prevent fire from penetrating into the foam, delaying the emission of toxic gases and the spread of flames. The backrest cushion is anatomically shaped with vertical and horizontal channels.
- The seat cushion is anatomically shaped and smooth, without any type of channel or grooves to avoid dirt accumulation.

- The seat and backrest are fitted with fully washable polypropylene shells.



- The seat is automatically folded with a double spring system inserted inside the seat shell (tested at 100,000 cycles), without the need for any type of lubrication and extremely silent.
- 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.
- 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 fixing to the ground. The arms, both intermediate and at the end of the row, are fully upholstered.

- Both seat and backrest incorporate the TX acoustic system, which allows for excellent acoustic response. Optionally, the backrest may incorporate a piece of upholstery in its upper back and also, the seat may be fully upholstered without losing any of its acoustic properties.
- The backrest can also incorporate a headrest that is integrated into the whole backrest, i.e. it is not added to the backrest, but is part of it.



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.

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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.

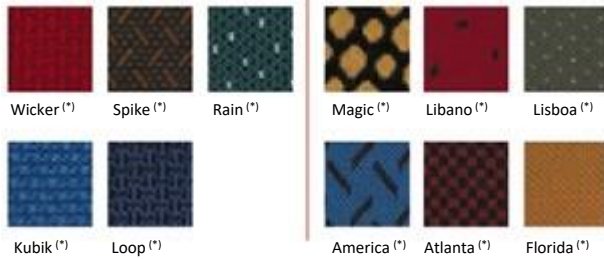
› Characteristics of plastic parts

- 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®



- Group B:



- (*) 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.

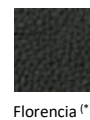
- Group B:



- Group V:



- Group L:



› Pigments for plastic parts



› Tecnowood finishes for plastic parts

