



Smart RC 13012

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.

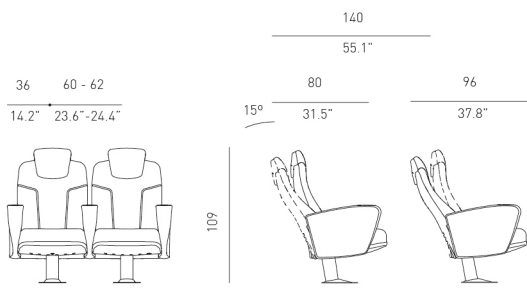
› **Fire resistance**

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

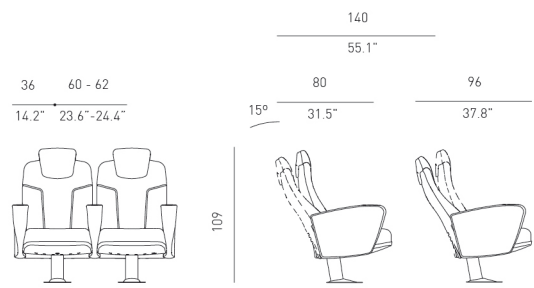
› **Resistance and durability classification**

· UNE-EN 12727 Level 4 (Severe use).

General dimensions



Smart RC 13012



Smart RC 13012 + Mesa

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General description

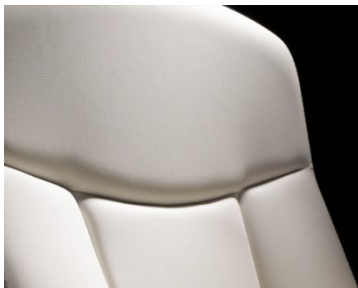
› Modular seat of high comfort, reclining and of large dimensions, designed for use in high level VIP lounges, cinemas, or Home Cinema rooms.

· The seat and backrest are made of washable polypropylene, thus avoiding rubbing or dirt from the upholstery on the back. The seat is fixed, always in the open position. Optionally, part of the backrest may be upholstered.



· The seat and backrest are each composed of a block of moulded polyurethane foam with an internal metal structure. The upholstery is joined to the foam using the Integral Form system, without any seams or stitching (except for leather seats). The Integral Form system guarantees accurate replacements if required.

· The backrest can be reclined using a push button which is found in the armrest, with a maximum stroke angle of 15°. The seat is moved smoothly with minimum effort and when the seat is removed, it returns to its original position thanks to an immediate retraction system. This means that the room always looks tidy. Completely silent and maintenance-free mechanism..



· The seat is mounted 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 foot is made of tubular steel structure finished in polyester paint. It is fixed to the ground with expansion plugs.

· The seat adapts to the specific slope of the room. The rows are formed by interconnected backrests and allow the formation of totally rigid and stable rows, reinforcing the fixation to the floor.

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

· The arms, made of blown plastic, are always upholstered. They incorporate an integrated cup holder in a compact, one-piece design.

· The backrest cushion is ergonomically shaped with vertical and horizontal channels in the upper part of the backrest. The seat cushion defines an ergonomic and smooth shape, without any type of channel or groove to avoid the accumulation of dirt.

· The backrest can also have HR finishing. This type of backrest is characterized by a headrest which is integrated into the whole backrest piece. This headrest system provides a clear ergonomic advantage as it becomes a natural extension of the backrest.

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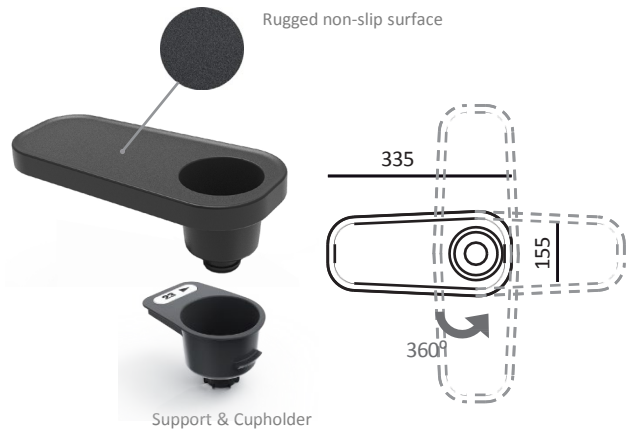
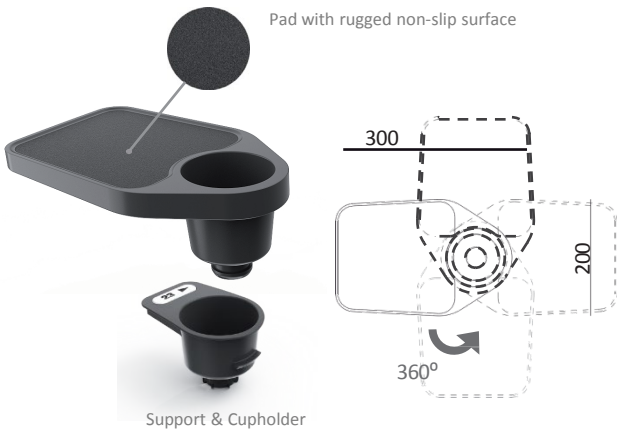
Functional description

› **Medium table**

- Plastic injection table with rotation mechanism.
- 44 oz. Cupholder included.
- Pad with Rugged non-slip upper surface.

› **Small table**

- Plastic injection table with rotation mechanism.
- 44 oz. Cupholder included
- Rugged non-slip upper surface



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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.
- Arms are blown polypropylene.

› Seat and Backrest Cushions Features

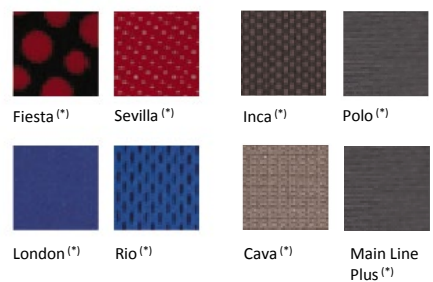
- The seat and backrest cushions are made of cold moulded polyurethane foam.
 - In the inside, both include metallic tube structures and steel plates, with springs. This system guarantees great comfort and avoids the appearance of deformations in the foams, even after an intensive use.
 - The headrest 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.

› Upholstery

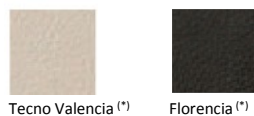
- Group A:
Figueras Fabrics ®



- Group B:

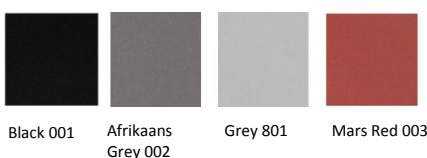


- Group V:
- Group L:



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

› Pigments for plastic parts



› Tecnwood finishes for plastic parts



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Environmental and Quality Certificates

- › This product has been designed following the standards established in the Ecodesign management system certified in accordance with the UNE-EN ISO 14006 standard.
- › The manufacture of this product has been carried out according to the environmental management system certified in accordance with the UNE-EN ISO 14001 standard.
- › The quality management of this product has been carried out in accordance with the quality system certified in accordance with the UNE-EN ISO 9001 standard.

