



Megaseat 9043



## Technical specifications

### Structure

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

### 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.

### Polyurethane foam

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

### Polypropylene

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

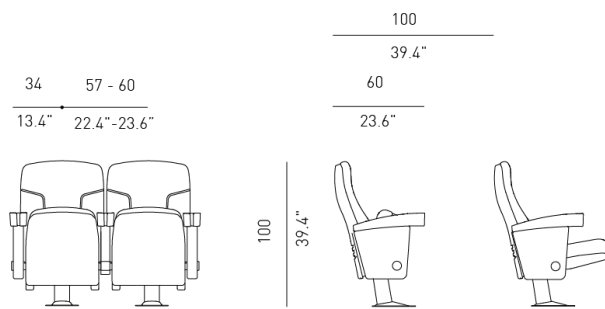
### Fire resistance

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

### Resistance and durability classification

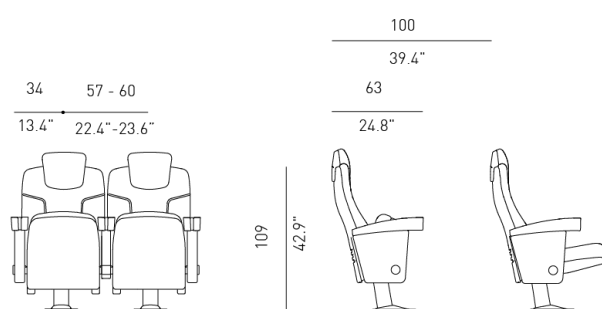
- UNE-EN 12727 Level 4 (Severe use).

## General dimensions



Mod. Megaseat 9043

Megaseat 9043



Mod. Megaseat 9043 HR

Megaseat 9043 HR

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**General description**

› Modular seat composed of totally interchangeable elements and large dimensions. The minimum distance between axles is 58 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. This means that the real width of the backrest is 56 cm, a size 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 an upholstery fully integrated into the foam using the Integral Form system, without seams or stitching.



· Between the upholstery and the foam, both in the seat and in the backrest, there is a built-in fire barrier -TS System- that prevents fire from penetrating into the foam, delaying the emission of toxic gases and flames.

· The backrest mattress is anatomically shaped, with a lumbar support and headrest, incorporating horizontal vertical channels in the part of the headrest.

· The seat cushion is anatomically shaped and smooth, without any type of channel or groove to avoid the accumulation of dirt.

· The seat and backrest are protected by fully washable polypropylene finishings that protect the upholstery on the back.

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

· The seat is assembled on a central pedestal attached to an internal bridge that interconnects the different seats and allows the formation of totally rigid and stable rows. This pedestal has an integrated housing system for the ball-and-socket joint - with a locking mechanism - which receives the axis of the seat and allows easy replacement of the seat without disassembling the seat. It is made of painted steel tubular structure.

· The optimum anchorage type according to the surface is used for the fixation to the floor. The seat is adapted to the specific slope of the room at the base of the foot. The rows are formed by interconnected backrests and allow the formation of completely rigid and stable rows, reinforcing the fixation to the floor.



· The arms are made of double injection combining polypropylene for the rigid parts and a "soft" elastomer on the armrest surface. In the front part and as part of the same piece and we find a fully integrated cup holder, easy to clean thanks to its design.



· The bending movement takes place quickly and precisely thanks to a ball-and-socket joint system that allows two axes to be rotated synchronically, ensuring great reliability and durability. Maintenance-free.

· The row ends have an upholstered panel. The seat has holes in the back that allow adequate sound absorption when the seat is raised and unused. The backrest can optionally incorporate a piece of upholstery in the upper back. The seat can also be fully upholstered without losing any of its acoustic properties.

· The backrest can also be made with or without headrest. This type of backrest incorporates a headrest which is integrated into the whole backrest, i.e. it's not added to the backrest but is still part of it. This headrest system provides a clear ergonomic advantage as it becomes a natural extension of the backrest, not an accessory element added to it.



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### Product details

#### Functional Specifications

- Easy Replacement and Maintenance
- High Durability in intensive / heavy use
- Metallic Structure with embedded springs in the molded piece both the seat and the backrest
- Integral Form: Is a process that prevents wrinkles appearing over time in the upholstery, perfect for intensive use environments.

- Ergonomics study to provide greater comfort for a prolonged use.



#### Armrest

- Larger interior space.

- Variety of finishes (soft or upholstered).

- Up-to-date design.

- It allows mugs



- Ergonomic and sleek armrest.
- Facilitate the installation of curved rows with a shorter distance between axes.



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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.

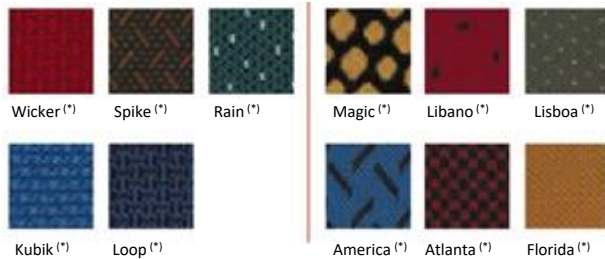
### › Plastic parts features

- High pressure injection moulded seat and backrest shells 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 (optional) is also made of cold molded foam.
  - The upholstery is made with an Integral Form system, creating a unique element with polyurethane foam and metal structure. This avoids the appearance of wrinkles, even in intensive uses. It may also be handmade depending on the type of upholstery.
  - 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/m<sup>3</sup>.
- Backrest foam density 50-55Kg/m<sup>3</sup>.

- Group B:



- Group V:



- Group L:



### › Pigments for plastic parts



### › Tecnowood finishes for plastic parts

