



Rhombus Corporate 13031-55

Technical specifications

Structure

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

Polyurethane foam

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

Upholstery

- Reaction to fire standards:
 - Spain: UNE-EN 1021 Parts 1 and 2.
 - USA: CAL TB117.

Paint

- Electrostatic powder polyester paint.
- Paint Thickness: 70-80 microns.
- Grid adhesion according to UNE-EN ISO 2409 : 100%.

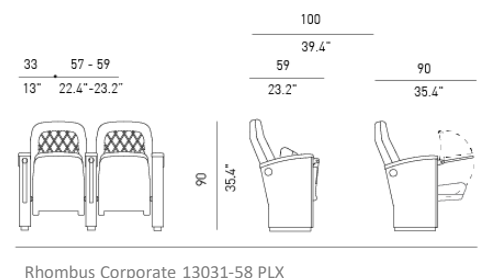
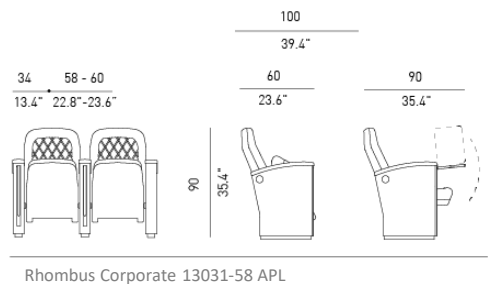
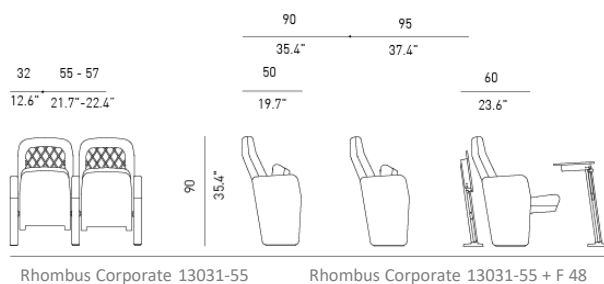
Polypropylene

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

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 of large dimensions, ergonomic, of great resistance and durability, composed of totally interchangeable elements.
- The seat and backrest are composed of two blocks of moulded polyurethane foam, with a metal interior structure, flat springs and upholstery fully integrated into the foam by means of the Integral Form system without seams or stitching. Both are protected by a polypropylene casing that protects the back of the upholstery and are upholstered.
- The backrest mattress is anatomically shaped with a fanny pack, incorporating rhombuses in the body of the same that increase their comfort.



- The seat cushion is anatomically shaped and smooth, without any type of channel or regatta to avoid the incorporation of dirt.
- The seat is automatically folded by means of a double spring system inserted inside the seat bucket. It requires no lubrication and is extremely quiet.



- The seat is assembled on two side panels made of polypropylene by means of a blowing technique that gives them great rigidity and lightness at the same time. They have an integrated housing system for the ball-and-socket joint, with a locking mechanism, which receives the axle from the seat and allows easy replacement without disassembling the seat.
- Both the end of row panels and the intermediate panels are fully upholstered.
- The panels end in a lower steel base, by means of which the seat is fixed to the floor, with hidden anchoring points. The seat adapts to the specific slope of the room at the base of the foot. The rows are formed by interconnected seats, which allows the formation of totally rigid and stable rows, reinforcing the fixation to the floor.



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.
- Blown polypropylene moulded side panels.

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

› Upholstery

· Integral Form

· Group A:

Figueras Fabrics ®



· Group V:



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

› Finishes for wood parts



› Pigments for polyurethane parts



Black Polyurethane

Ask our team for further available options