



Flex 6035

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

› **Aluminium**

- Die cast aluminium alloy.
- Tensile strength (Rm)=240 Mpa.
- Elongation <1%.

› **Fire resistance**

- BS 5852. Clause 12. Ignition sources 0, 1 and 5. (with approved fabric).
- USA:CAL T.B. 133 (with approved fabric).

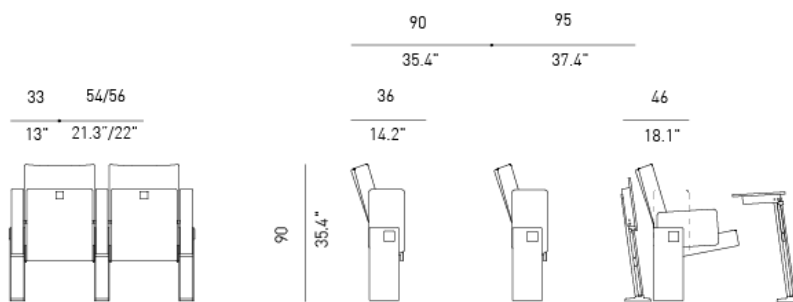
› **Resistance and durability classification**

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

› **Ergonomics and Comfort** 

- Seat tested in official laboratory - IBV - Instituto de Biomecánica de Valencia.

### General Dimensions



Flex 6035

Flex 6035 + F 48

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 great comfort and occupies minimum space, with automatic return of the arm. Once folded it occupies only 36 cm. Excellent balance between level of comfort, use of space and safety in case of room evacuation.



· The folding system consists of turning the seat and raising the armrests in a single movement, adopting a vertical position. This ensures that it does not exceed a depth of 36 cm, thus allowing a very loose gap between the rows. The sequence of movements described above takes place automatically when the seat is lifted. The backrest is always fixed.



· Great durability, as the seat consists of a compact monobloc made up of cold-molded polyurethane foam that completely covers a metal structure, consisting of a curved tube frame, flat springs and articulation pivots for turning. The block is covered with an easily interchangeable upholstery cover with a zipper system. The backrest has the same features.

· The return of the seat is automatic and uses a double spring system inserted inside the seat (tested at 100,000 cycles), not needing any type of maintenance and is extremely silent.

· The arm also consists of a compact upholstered monobloc. The return spring is housed inside the arm.

· The seat, backrest and side panels are connected by a steel central bridge. The supports of the seat axes are fixed to the same structure. These supports incorporate a locking mechanism to prevent the axes from accidentally coming out. The sides end with a steel plate structure, by means of which the seat is fixed to the floor, with the appropriate hidden anchorages according to the type of floor.

· The return of the seat and the arms is automatic by means of a double ball joint system with springs and a Controlled Soft Rise Technology System that avoids noise or annoying bumps when the seat is returned to its resting position.



· Reaction to fire: This product complies with international regulations.

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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.

### › 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 upholstery of the cushions and the headrest is handcrafted, allowing all types of upholstery: fabrics, 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/m<sup>3</sup>.
  - Backrest foam density 50-55Kg/m<sup>3</sup>.

### › Upholstery

• Group A:  
Figueras Fabrics ®



• Group B:



• Group V:



• Group L:



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

### › Finishes for wood parts



### › Pigments for metal parts

