CHRONOS

The Game Changer

Chronos brings together minimalism and ergonomics, with a slim design and slightly sinuous and delicate lines with ultra-thin size.

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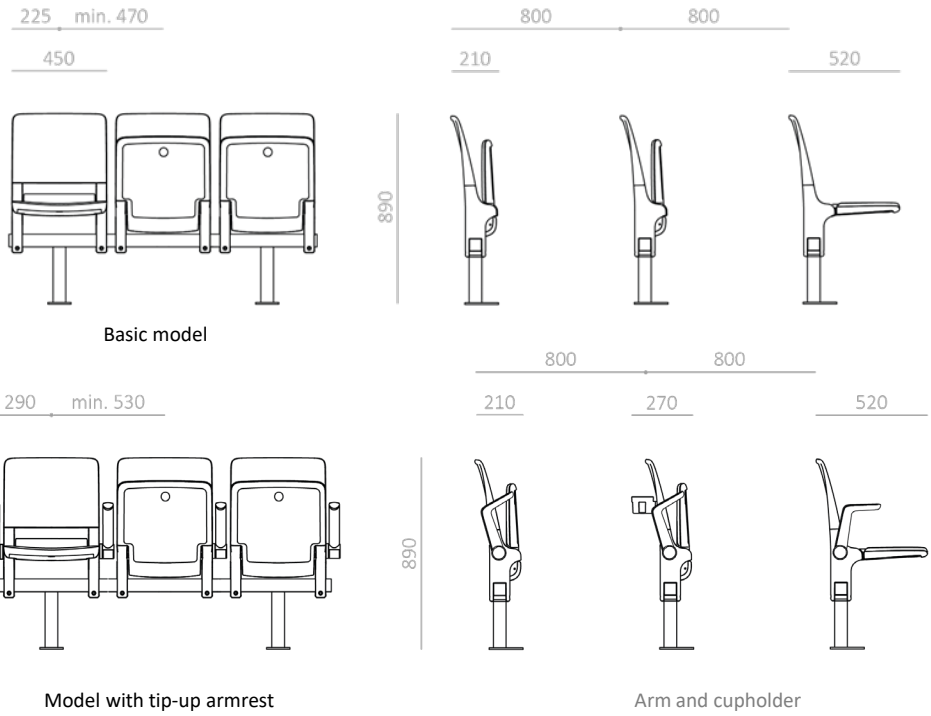
| General Dimensions



| General Description

This folding-type seat stands out for its elegance, versatility, and the wide range of finishing options available.

Designed following EcoDesign standards, it incorporates environmental considerations at every stage of its development process, aiming to minimize its environmental impact throughout the entire product life cycle.

The comfortable and ergonomic seat is a maintenance-free product, making it ideal for stadiums and arenas with high activity levels.

With endless possibilities and multiple accessories, it is an excellent choice for various areas, from General to Premium sections. All materials are recyclable, promoting conservation and environmental awareness.

| Technical description

› Seat and backrest

The seat is a tip-up design constructed from high-performance plastic with a counterweight mechanism, ensuring durability and versatility. It is engineered for both outdoor (when it does not feature upholstered elements) and indoor environments.

The backrest is fixed at a 12° angle to optimize ergonomic support and comfort, providing excellent adaptability to the body's natural contours for enhanced seating comfort.

It meets the recommended standards set by FIFA and other international sports federations, ensuring compliance with industry requirements.

Backrest and seat technology. Injection moulded copolymer (PP), with a soft acid-mould texturing to resist scratches and dirt accumulation. High durability, UV-stabilized pigmented plastic for outdoor use.

The seat is composed of two plastic (PP) pieces joined by clipping and a single screw, with an internal steel counterweight, fully protected against external elements. Gravity-based automatic folding mechanism. Maintenance-free, highly durable.

Optionally, the upper seat section can be upholstered by means of an element composed of a part in recycled plastic (HDPE) and a molded foam.
The seat can be upholstered on its lower part to enhance acoustic absorption, suitable for arenas or venues requiring specific acoustic performance.

The backrest is a single injected PP piece with integrated fixing supports. Ergonomic design to meet the most rigorous ergonomics standards for collective seating.
Optionally, it can be fully upholstered with a cover and an interior foam that provides greater comfort.

The incorporation of In-Mold Labeling (IML) technology allows for the embedding of a club or entity crest onto the surface during the thermoplastic forming process, ensuring long-lasting durability under all conditions.

› Side supports

Similar to the bar attachment flanges, the side supports are made of PA reinforced with +30% fiberglass. These supports are inserted on either side of the backrest and connect to the seat through its pivot axis, also providing the pivot stops. They are secured to the beam with a single screw, enabling easy and quick assembly.

Once the supports are assembled with the backrest and seat, they form a single, compact, and extremely rigid unit that simplifies handling, transport and installation.

The side supports art available only in black.

› Maintenance-free

The seat and backrest are fully washable and feature a textured finish that resists scratches and dirt accumulation. No specific maintenance is required.

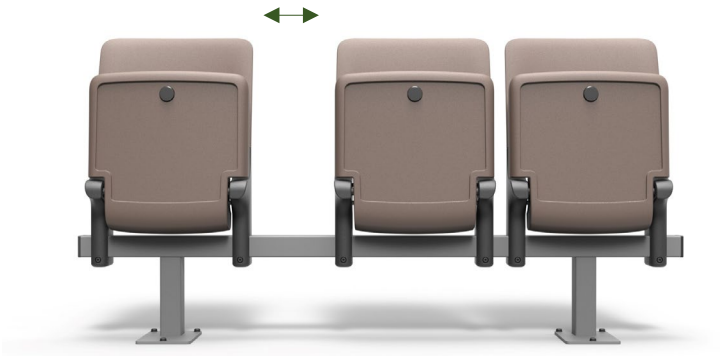
› Numbering

The seat includes a designated space at the top for a flush-mounted numbered plate, preventing removal and ensuring optimal visibility.

CHRONOS |

› Installation Features.

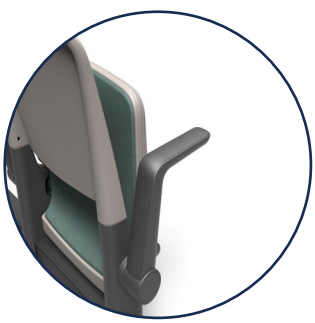
The seat is mounted on a steel bar using lateral supports and a front fixing flange, allowing flexible positioning without interfering with foot placement. This system provides high flexibility and maximum adaptability to various projects, easily accommodating expansion joints, concrete reinforcements, or other obstacles.
These seats are easy and quick to remove, and its system allows easy adjustment of seat spacing as needed.



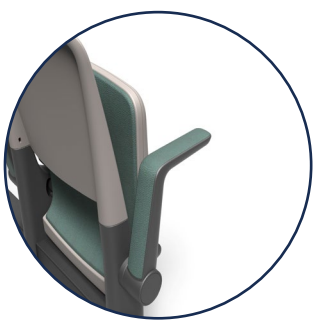
Chronos can be fixed to the floor, riser-mounted, or installed on Figueras' movable seating systems

| Optional Accesories

› Armrest

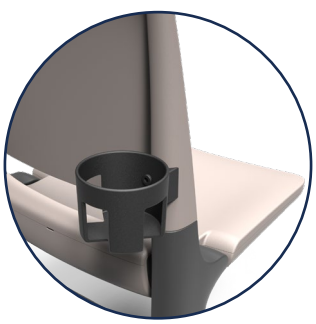


1 | Tip-up Armrest with plastic cover



2 | Tip-up Armrest with upholstered cover

› Cupholder



1 | Backrest fixation

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| Optional Accesories

› Upholstery*

- Upper and lower seat upholstered

- Upper and lower seat upholstered
- Upholstered backrest

- Upper and lower seat upholstered
- Upholstered backrest
- Upholstered tip-up armrest

(*) Upholstered elements suitable for indoor use only. Note that side supports are available only in black.

| Materials and finishes

- Available colors for supports and armrest:

Black 001

- Colours for the plastic* parts:

Black 001 | Grey 801 | Green 005 | White 006 | Yellow 205 | Red 214 | Green 302 | Burgundy 400 | Beige 700 | Grey 800 | Grey 7024 | Blue 802

(*) Minimum quantity per colour: 50 units

- Colours for metallic parts (optional)

Sablé Black 900 | Sablé Grey 150

- Upholstery

Valencia(*)

(*) Check available colours.

Colors shown in this datasheet may vary; side supports are only available in black. Contact a Figueras expert for more information and customization options.

CHRONOS |

| Technical Specifications

› Structure

- ***Material:*** Made of steel tube and plate, arc-welded with continuous wire
- ***Galvanization*:**
    - Hot-dip galvanized after cutting and welding in accordance with EN-ISO 1461 Standard, with a minimum thickness 45 microns
- ***Tube Specifications:***
    - Up to 2mm thick: Alloy designation according UNE-EN10305 part 3: E-220
    - Over 2mm thick : Alloy designation S275JR
    - Tensile strength (Rm) = 310 Mpa
    - Elastic limit=220 Mpa
    - Elongation at rupture: 23%
- ***Steel plate Specifications:***
    - Alloy designation according to EN10111:DD12
    - Tensile strength (Rm): 420 MPa
    - Elastic limit: 170 – 320 MPa
    - Elongation at rupture: 26%

› Plastic parts

- Impact **Polypropylene Copolymer** suitable for injection moulding:
    - *Indoor use:* Polypropylene copolymer.
    - *Outdoor use*: Polypropylene with UV stabilizer, added during material processing to prevent photochemical and thermo-oxidative degradation.

- ***UV Resistance:***
    - UV resistance: ISO 4892 Part 2 >900 Kly.
    - Color fading after 900 Kly (ISO 105-A02): Not greater than index 4 on the grayscale
- ***Physical Properties:***
    - Density: 0,9 g/cm³ (ISO 1183)
    - Melt flow rate (MFR) (230°C/2.16Kg) ISO 1133 4 g/10 min
    - Melt volume flow rate (230°C/2.16Kg) ISO 1133 5.4 cm³/10min
- ***Mechanical Properties:***
    - Tensile Modulus: ISO 527-1, -2 1200 MPa
    - Tensile Stress at Yield: ISO 527-1, -2 27 Mpa
    - Tensile Strain at Break: ISO 527-1, -2 >50 %
    - Tensile Strain at Yield: ISO 527-1, -2 7 %
- ***Impact Resistance (Charpy Test) :***
    - Unnotched (23 °C): No Break (ISO 179)
    - Unnotched (0 °C): 140 kJ/m² (ISO 179)
    - Unnotched (-20 °C): 80.0 kJ/m² (ISO 179)
    - Notched (23 °C): 10.5 kJ/m² (ISO 179)
    - Notched (0 °C): 5.50 kJ/m² (ISO 179)
    - Notched (-20 °C): 4 kJ/m² (ISO 179)
- ***Hardness***
    - Ball indentation hardness (H 358/30): 53 MPa (ISO 2039-1)

› Paint

· ***Steel parts (optional):***
· Interior: Electrostatic polyester powder coating
· Exterior: Electrostatic polyester powder coating with electrolytic coating

· ***Paint thickness:***
- Interior: 70-80 microns.
- Exterior: 90-100 microns.
· ***Adhesion by grid*** according to UNE-EN ISO 2409 : 100%.

› Resistance and durability:

· ***Classification:*** UNE-EN 12727 Level 4 (Severe use).
· ***Metal Parts (Oxidation Resistance):*** Salt fog resistance test: UNE EN ISO 9227: >500 h

› Fire resistance

· ***UK:*** BS 5852. Clause 11. Ignition sources 0, 1 and 5 (with approved fabric). For indoor or semi-outdoor use only.
· ***USA:*** CAL T.B. 133 (with approved fabric). For indoor or semi-outdoor use only.

› UV Warranty: 2 years.

› Certifications

- Manufactured under **UNE-EN ISO 14001** (Environmental Management System) and **UNE-EN ISO 9001** (Quality Management System).

- Designed in accordance with **UNE-EN ISO 14006** eco-design standards.

- Environmental Management: this product is assessed under the Life Cycle Assessment (LCA) methodology, according to the UNE-EN ISO 14040, UNE-EN ISO 14044, and UNE-EN ISO 14025 Type III declaration standards.

› Intellectual Property (IP) Rights:

- Registered design: Certified international registration DM/219070.