

## F50 ARMCHAIR – TECHNICAL FEATURES

General	<p>Armchair for conference halls, auditoriums and multi-purpose rooms.</p> <p>Installation on flat and sloped floors or on steps, in straight or curved rows (minimum radius 8 m.).</p> <p>Variable centre-to-centre distance from 53 to 60 cm.</p>
Type	Fixed Seating
Seat Structure	<p>Internal plywood structure 15 mm thick provided of steel pins (2 each side) that allow the rotation of the seat. Tip-up is obtained by gravity through metallic flat bars 6 mm. thick that are fixed on the rear part of the seat structure. The quantity of metallic flat bars used as counterweight varies according to the centre-to-centre dimension of the armchair.</p>
Back Structure	<p>Internal moulded plywood structure 12 mm thick.</p> <p>Connecting steel support on the lateral part of the structure.</p> <p>The inclination of the backrest in the upper part forms an angle of 160 ° between the side and the backrest for proper visibility in different conditions of use while ensuring adequate comfort in the contact point of the back of the lumbar part.</p> <p>The shaped form of the internal structure (R. 83 cm) allows a pleasant enveloping effect.</p>
Foam Cushion	Fire-retardant, non-deformable crushproof expanded polyurethane padding.
Back cushion	<p>Fire-retardant, non-deformable crushproof expanded polyurethane padding.</p> <p>Density: 40 kg/m<sup>3</sup></p> <p>Back with lumbar support. Minimum 75 mm thick.</p> <p>Fully upholstered with fabric.</p>
Seat Cushion	<p>Fire-retardant, non-deformable crushproof expanded polyurethane padding.</p> <p>Density: 40 kg/m<sup>3</sup></p> <p>Minimum 115 mm thick.</p> <p>Fully upholstered with fabric and closed with a zip, to replace easily the fabric.</p>
Arm side	<p>Self-standing internal plywood structure 15 mm, covered on each side with polyurethane foam 5 mm. thick and fully upholstered with fabric.</p> <p>Every arm is equipped with aluminium blocks for insertion of rotation and seat support pins.</p> <p>Bottom part of the arm side with wooden housing for special interlocking system to the floor.</p> <p>Total thickness of the arm side: 7 cm.</p>
Foot	<p>Floor-fixing plate in steel profile 8mm thick anchored to the floor with 2 screws (whose type is depending on floor specifications).</p> <p>Every fixing plate (dim. 38,7x7 cm.) has 2 steel pins allowing the interlocking into the arm side housing.</p> <p>The reduced thickness of this floor-fixing foot, allows an installation without visible screws and the particular “interlocking” foot-hooking system allows an easy assembling and disassembling of the arm side in case of need.</p>

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Seat Mechanism	<p>Gravity tip-up seat with rotation pins and anti-noise system. Pin supports are in anodized aluminium welded in the seat structure. Steel seat support 4 mm thick anchored on the internal structure of the side. Min. 200.000 cycles of the pivot. Tip-up is obtained by gravity through metallic flat bars 6 mm. thick that are fixed on the rear part of the seat structure. The quantity of metallic flat bars used as counterweight, varies according to the centre-to-centre dimension of the armchair. Compared to other systems on the market that provide tilting of the seat by means of springs, tip-up by gravity offers the advantage of minimizing any maintenance after installation. In fact, this system is not subject to deterioration or loss of efficiency over time, while tilting by means of springs is subject to squeaks and noises after a certain while.</p>
Mounting	<p>Floor mounting with proper anchors supplied or recommended by manufacturer. All anchors to be pre-approved. No visible screws.</p>
Removable version	<p>Armchairs in the removable version are made with the same technical, constructive and aesthetic characteristics of standard floor-fixing armchairs, in order to ensure a homogeneous effect within the room. Some of the removable seats are fixed on an “H” steel-structure of 2 and/or 3 seats including attachments for wheels allowing quick removability. Every 2 or 3-seater “H” steel-structure has a 6 mm thick frame (width 80 mm.) made of steel profile which is anchored to the floor with HIT-IC threaded sockets with resin. Between 2 modules of 2 or 3 armchairs on “H” steel structure there is 1 armchair whose seat and backrest can be removed very easily manually. This avoids to double the quantity of arm sides and allows keeping the same alignment of rows everywhere in the room. Every 3-seater “H” steel-structure has attachments for 5 wheels and every 2-seater for 4 wheels allowing a quick handling of the armchairs that can be removed without any physical effort and preventing the risk to damage the armchair’s components.</p>

### Certifications:

- Strength test according to UNI EN 12727:2017 standards.
- Compliance to VOC ANSI-BIFMA M7.1 standards related to formaldehyde low emission.
- Acoustic test according to UNI EN ISO 354:2003 standards.
- F50 contributes significantly in obtaining the highest scores according to LEED standards.

