

## 6035 FLEX

---

### FUNCTIONAL SPECIFICATIONS

A folding chair that stands out due to the excellent balance it achieves between comfort and good use of space. The seat and armrests return to their original positions automatically. The folding system consists of the seat rotating and armrests displacing in a single movement. At the same time as the seat folds, the armrests adopt a vertical position, so that the folded seat does not surpass a depth of 360mm. The sequence of movements described above takes place automatically when the occupant vacates the seat. The backrest always retains its fixed position.

The seat consists of a single compact block made of cold-moulded polyurethane foam. This block completely covers a metal structure, consisting of a frame made of curved metal tubing, flat springs, and the corresponding axes for the rotation movement. The block is upholstered in an easily interchangeable cover with a zip.

The backrest is also formed by a single piece with the same characteristics as the seat. The seat and backrest padding have been carefully designed according to ergonomic criteria.

In-between the upholstery and foam of the seat and the backrest, a TS System fire barrier can be incorporated in order to prevent fire from penetrating the foam and delay toxic gas emission and the spreading of flames.

The seat tips up automatically by means of a double spring system inserted in the seat which does not require lubrication of any kind. The use of the Soft System provides cushioning when the seat folds up and makes it totally quiet. The armrest is also fully upholstered. The spring system housed inside the seat needs no lubrication and is extremely quiet.

The seat, backrest and arms are supported by two side pieces linked together by a central steel bridge support. This bridge houses the ball and socket joint – with a blocking system – where the axes of the seat rest. In conjunction with table F-45 and table F-1000, it becomes an optimal solution for long work sessions and conferences.

## TECHNICAL SPECIFICATIONS

### Structure:

- Steel tube and plate, arc welding with continuous wire feed.

### Polyurethane Foam:

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

### Paint:

- Electrostatic polyester powder
- Coat thickness: 70-80 microns
- Grid adherence UNE-EN ISO 2409: 100%

### Upholstery:

- Fire standards:
  - Spain: UNE-EN 1021 Parts 1 and 2
  - France: NF D 60-013
  - Italy: UNI 9175 Class 1.IM
  - Germany: DIN 66084

### Finished Product:

- UNE-EN 12727 Level 4 (heavy use)
- BS 5852. Clause 12. Ignition Sources 0, 1 and 5
- USA: CAL T.B. 133 (with approved fabric)

### Aluminium:

- Material: UNE L-2630
- Density: 2.7 gr/cm<sup>3</sup>
- Traction resistance: 240 MPa