

## 5038 ARRIAGA

### FUNCTIONAL FEATURES

A special chair with classical lines. The seat comprises a metal structure and springs, a polyurethane foam block, upholstery, shell and hinge pins. The metal structure consists of two resistance-welded steel profiles forming a frame that holds a mesh of springs upon which the anatomically shaped cold-moulded polyurethane block rests.

The polypropylene shell is upholstered. It houses the assembly comprising the metal structure, the polyurethane block and the seat upholstery. It also holds the hinge pin and spring system that ensures that the seat tips up automatically when it is vacated. This specially designed mechanism is extremely reliable and requires no maintenance.

The backrest is made up of a cold-moulded polyurethane foam block on a rigid structure, forming a comfortable, anatomically shaped assembly that is resistant to fatigue.

The structure is made of curved steel tube with flat springs supporting the foam block, which is fully upholstered. The backrest is entirely surrounded by a lacquered wooden frame to give the seat the desired classical appearance. Between the upholstery and the foam of both the seat and the back, there is a 5-mm thick TS System fire curtain that keeps fire from reaching the foam, thus preventing the emission of toxic gases and flames.

The seat tips up automatically due to an extremely quiet double spring system inside the seat shell (tested to 500,000 cycles) that requires no lubrication of any kind.

The chair is mounted on two metal feet incorporating a ball-and-socket joint system -including a locking mechanism- into which the seat pin fits. This enables the seat to be easily replaced without dismantling the whole structure.

The cast aluminium end-of-row side panels are of classical design. The in-between panels are made of shielded seam arc-welded steel profiles coated with 70-80 microns of epoxy paint. The side panel supports the headrest and acts as the structure for the chair. The armrests have an upholstered, foam-covered inner body or wooden support.

### TECNICAL CHARACTERISTICS

#### STRUCTURE:

- Steel plate and tube, welded with continuous arc.

#### POLYURETHANE FOAM:

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

#### PAINT:

- Electrostatic powder Polyester

- Coating thickness: 70-80 micras
- Grid adherence: UNE-EN ISO 2409: 100%

#### UPHOLSTERY:

- Fire Standars

Spain: UNE-EN 1021 Part 1 & 2

France: NF/P 92507

Italy: UNI 9175 Clase 1.IM

USA: CAL T.B. 133 (in approved fabric)

#### FINISHED PRODUCT :

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

#### ALUMINIUM:

- Material: UNE L-2630
- Density : 2,7 gr./cm<sup>3</sup>
- Breaking Load: 20 kg/ mm<sup>2</sup>

#### WOOD:

In beech wood curved by high-pressure steam, finished in two polyurethane varnished components.

WEIGHT: 27 Kg.

VOLUME: 0,18 m<sup>3</sup> (K.D)