

### Technical characteristics

#### Description

- Movable partition comprising inter-assembled, independent, retractable modules which glide via bearing blocks on track fixed to the ceiling to form a solid wall.

#### Dimensions

- Module width:
  - Solid module: from 850 mm to 1,200 mm
  - Telescopic module: from 900 mm to 1,350 mm
  - Movable door module: 1,107 mm
  - Fixed door module: from 600 to 1,200 mm
- Standard floor/ceiling heights:
  - Single suspension: from 2,500 to 3,200 mm
  - Double suspension: from 2,500 to 3,500 mm
  - Fixed door module: from 2,000 to 3,200 mm
- Tolerance on height:
  - Finished floor:  $\pm 10$  mm
  - Finished ceiling:  $\pm 10$  mm
- Partition thickness: 100 mm
- Weight/m<sup>2</sup>: 45 Kg

#### Frame

- Cold-formed steel inner frame machined for assembly with other components.
- Aluminium perimeter frame assembled onto both the steel frame and locking components.

#### Outer faces, mineral fibre, glass and doors

- Floating panels on both sides of the frame, coated on inner face with asphaltic sheeting.
- Woodchip hardboard panels, edged and laminated with semi-rigid vinyl coatings, cotton-gauze or cellulose-based vinyls.  
Other options include noble woods, stratifieds, etc.  
Total thickness: 16 mm.
- Inner insulation with semi-rigid, 50-mm thick, 30/40-Kg/m<sup>3</sup> Mineral Fibre.  
Reaction to fire: M0 (Incombustible).
- Solid, movable door leaves with frame and panels as on the rest of the partition. Dimensions: 811 x 1,968 x 100 mm.

#### Suspension of modules

- At one point or two points (single or double suspension) with elastic system and multi-directional carrying blocks fitted with ball bearings.
- For more than 5 or 6 modules, we recommend double suspension.

#### Fixture of modules

- Vertically via concave – convex magnetic strips with sextuple polarity and a force of attraction of 7/9 Kp/ml. Closure via double-tongued flush joints (arrow/slot).
- Horizontally via mechanisms which move the labyrinth joints, closing to a pressure of 80/150 Kp/ml. On floor and ceiling to prevent movement.

#### Release of modules

- Via soft-action crank handle with disconnection via same operation handle.

#### Track

- The track is a piece of extruded aluminium on which the carrying blocks travel.  
To offer a continuous glide without variations, the tracks are fitted with support components fitted with ball bearings.
- The track must be perfectly levelled and hung from a beam or other element capable of withstanding the weight of the partition.  
The track is normally fitted, levelled and soundproofed prior to the fitting of the false ceiling. When work is finished, the modules are hung via a pre-prepared section of demountable track. The minimum distance between the track and the beam is 250 mm.
  - DYNAMOBEL does not supply the strong beam or frame required for the track to be hung from.
  - DYNAMOBEL does not supply the sound insulation between the false ceiling and the grid beyond 500 mm. above the false ceiling.
  - DYNAMOBEL does not supply the housing recesses for open modules.

#### Fittings

- Hinges and other metal fittings treated with the same paint, zinc, bluing coating, etc. depending on case.

### Performances

#### Sound insulation

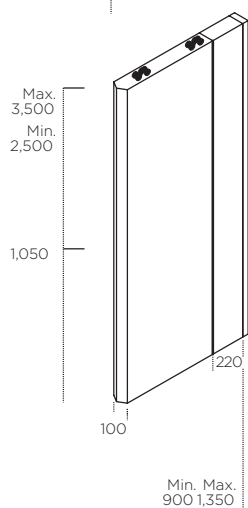
- Blind module:  $R_w = 43$  dB (Applus-Spain in compliance with UNE-EN ISO 717).

### Dynamobel Quality

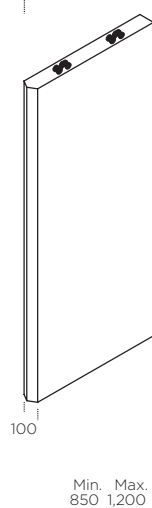
All the processes used in the design, production, distribution and sale of DYNAMOBEL's movable partition system are quality assurance certified by LLOYD'S per EN ISO 9001:2000.

## Modules and carrying blocks

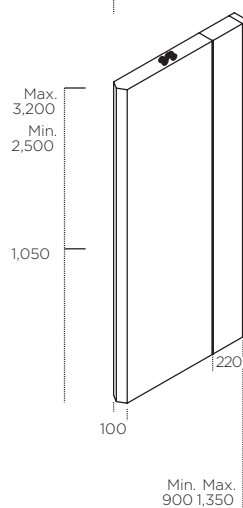
Telescopic module  
double suspension



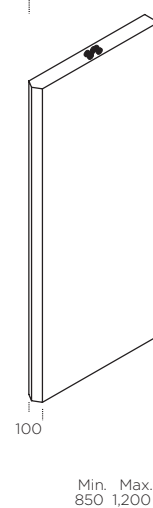
Solid module  
double suspension



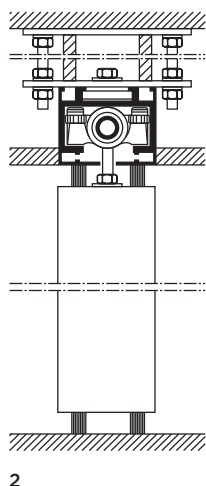
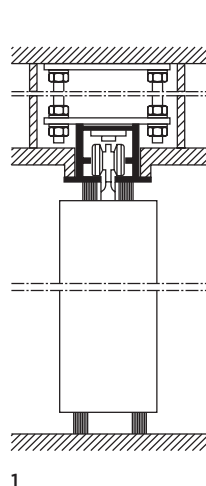
Telescopic module  
single suspension



Solid module  
single suspension



Single carrying block (single-directional) suspension [1]  
Double carrying block (multi-directional) suspension [2]



Door module

