



THE OFFICE CHAIR

EQUIPMENT: Legal and economic criteria

1. GENERAL REMARK:

The GRAND DUCAL REGULATION of 04.11.1994 setting out minimum health and safety requirements for work at visual display screens stipulates that the work chair must have the following features:

- an adjustable seating height;
- the backrest height and angle must be adjustable;
- the chair must be stable;
- the user must have complete freedom of movement;
- the chair must be comfortable.

On the basis of the ERGONOMIC CRITERIA applying and supplementing the minimum requirements, the office chair must also satisfy the following ergonomic specifications:

- base with 5 feet;
- separate seat and backrest;
- adjustable seating height, 420-550mm;
- adjustable seating depth;
- adaptable seating width, 400-480mm;
- fitted with end-position cushioning;
- option: adjustment of the seat angle;
- height of backrest above the seat >450mm;
- fitted with a lumbar support with adjustable height and depth (170-230mm); the height must be adjustable independently from the backrest height adjustment;
- synchronised mechanism with adjustment of the backrest tilting tension to facilitate dynamic seating;
- the backrest must be designed to remain in permanent contact or with different opening angles in relation to the seat;
- possibility of fitting armrests with adjustable height/width/depth/direction;
- easy actuation of the different adjustments;
- the seat covering will preferably be made of fabric which is rated fire-resistant and permeable to water vapour and air;
- the fabric must be very strong to avoid premature wear;
- castors for a flexible or hard floor must be fitted, depending on the particular use;
- impeccable finish.

The various quality certificates must be produced when the offer is submitted.



Remark concerning seat foam

The quality of a work chair also depends on the density and thickness of the foam. Three criteria are to be taken into account: density, thickness and hardness. A judicious combination of these three criteria is essential to obtain the desired seating comfort.

For example, a very fine, very dense and very hard foam enables a degree of comfort resembling that of a foam which is very thick and not particularly dense or hard to be obtained. On the other hand, the visual appearance of the product will be completely different (depending on whether small or large cushions are chosen). Note: a thick foam which lacks density will be deformed more quickly (loose appearance of the fabric, deformation of the seating foam, formation of “waves” in the fabric); hence faster fabric wear.

We advise you not to mention the foam characteristics in your detailed specifications so as not to limit attractive offers of products that might not respect one of the criteria.

2. TECHNICAL INFORMATION:

DIMENSIONS AND SEAT ADJUSTMENT RANGES (STANDARD EN 1335-1)

	Minimum dimensions, mm	Maximum dimensions, mm
Height of seat from floor level to upper surface of the seat	400	510
Seat width	400	+
Seat depth from front edge to back rest	400	440
Seat angle	-2°	-7°
Height of lumbar support above the seat	170	220
Backrest width	360	+
Backrest length	400	+
Backrest angle	15°	
Armrest width	40	+
Armrest length	200	+
Distance from front of seat to front of armrest	200	240
Height of seat armrests to top of the armrest	200	250
Free width between armrests	460	510