



SOFAME

The industrial furniture experts

TECHNICAL SEATS



NOTIONS OF ERGONOMICS

Thanks to a well thought ergonomics, operators remain efficient all along the day but also all along the professional life.

The seat plays a key role in the ergonomics at work. The musculoskeletal disorders rate has recently considerably increased and this is time to pay more attention to the quality of the seats of the employees.

Considering the heavy cost of sickness for a company, the return on investment on seats is easy to reach.

The seat should offer the possibility to be adapted to the morphology of its user, to the specificities of its activity

SEAT USAGE TIPS

1. Height

The seat must be just above the ball joints. When seated, the user must be able to put firmly its feet on the floor. When the user cannot put its feet on the floor, the use of a footrest (fixed to the seat or independent) is highly recommended. It enables to get this favorable position with a 90° angle between thighs and hips.

2. Lumbar support

When seated the user must adjust its backrest so that it can follow up the normal curve of the lower back (lumbar curve). The back has to be slightly inclined to the back (an angle of 110° is generally recommended)

3. Seat inclination

For more comfort, both seat and back rest inclination can be adjusted.

4. Depth

When seated the user should be able to lean against the backrest without been compressed by the seat at the rear of the knees. Seat base depth can be adjusted on some of the seats.

5. Width

The seat base must be wide enough to avoid the thighs 'sides compression.

SEAT COMFORT

The seat comfort is the result of different elements combination:

- Damping of the gas cylinder which mainly produces its effect when the user is getting seated by enabling a soft welcome
- Seat mechanism enables the adaptation of the user's position according to its morphology and activity
- Seat base thickness avoids the contact with the rigid seat base and backrest
- Quality of the seat coating that enables a stable and good positioning of the user, the air circulation as well as a comfortable contact.
- Foam flexibility that enables a sweet contact. This is one of the fundamental elements to increase comfort and ergonomics



As for each of its products, SOFAME has developed a range of seats that combines robustness and durability thanks to a selection of high-quality components. The use of polyurethane material make the seats easier to clean

NOTIONS OF ERGONOMICS

1. Mobility: A seat can be equipped either with sliders or castors fixed on base.

a) Sliders:

They ensure the good seat stability. For security reasons this is a mandatory to get them on any high seat with adjustable seatbase and backrest, offering a stroke above 190mm

b) Castors:

Standard version come with non brakable castors with soft rolling band to enable a free and comfortable rolling movement on any hard floors.

It exists, on request, castors without soft rolling band to be used on soft floors (carpet, linoleum ...), braked castors to be used with loading weight to avoid the movement of the seat while the user is seated, but also braked castors off load to avoid the seat movement when the user is getting seated.

c) base:

For security reasons in term of stability, the seats equipped with castors have to be assembled with a 5 branches base . A very flat base avoids the risk of falling by running into one of the branches. The diameter of the base used for a high seat has to be wider to ensure a better stability and increase the security. bases are made of either cast aluminium or polyamid reinforced by nylon.



2. Adjustment of the seatbase height:

It is ensured by gas lift system, located between the seat base and the base. It enables a vertical regular and flexible movement of the user. It exists, according to the user needs, a normal 190mm stroke, a 130mm low stroke and a 265mm long stroke.



3. Adjustment of the backrest height:

To enable a good backrest positioning and optimize the contact surface between the back, more particularly at the level of the lumbar vertebrae, and the seat, the high of the back rest can be adjusted.

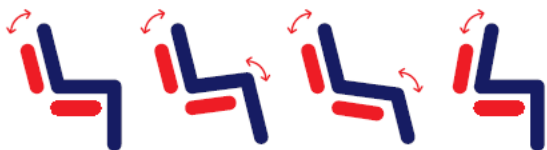


4. Adjustment of the seat inclination:

To avoid a back tiredness while seated, back has to be maintained against the backrest. Different kinds of mechanisms allow to achieve this goal:

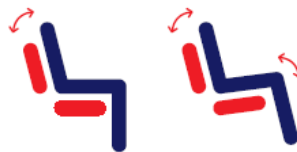
a. Asynchronous mechanism

This enables a coordinated movement of the backrest and the seat plate but also an independent adjustment of the seat base arm to enable better adapted work positioning. Both seat base and backrest tilt adjusters enable either to block them in a wished fixed position or to let them free in order to follow the body's movements.



b. Synchronous mechanism

Both seat base and backrest can be inclined in the more optimal position. The recall force of the backrest can be adjusted in order to be adapted to both morphology and weight of the user. A security system avoids any shock on the spine. A unique tilt adjuster enables the adjustment.



5. Adjustment of the seat depth:

In addition to the adjustment of the seat depth it is possible to adjust the depth of the seat base itself. This enables to get in the same time a good back support as well as a good thighs support without blocking the blood circulation behind the knees



The ergonomic seat ERGOLINE offers a high level of comfort and optimum ergonomics. Its synchronous mechanism enables several adjustments: the way to find the best position according to the morphology, the use and movements of the user. The indented shape of its backrest allows a total freedom thanks to the possibility to turn the torso to the back without hindering the arms. The ERGOLINE stool comes as a useful additional product to the ERGOLINE range.

- Synchronous mechanism for a coordinated movement between seat and backrest.
- Non-return device to avoid shocks against back's user.
- Adjustable tension for both seat and backrest movements
- 4 pre-adjustable lockable positions for both seat and backrest
- Seat depth adjustment
- Height adjustment of the backrest by rack system
- 5-star base, in cast aluminum with black powder coating (epoxy)
- castors for hard floors or sliders
- Optional footrest for the highest version
- In compliance with NFD65 761





The AIRPLUS seat offers generous dimensions and perforation to enable the airing of the user's seat all along the day.

- Asynchronous mechanism to enable a coordinated movement between seat and backrest.
- Lockable adjustment in all positions for both seat and backrest
- Optional mechanism for seat depth adjustment
- Height adjustment of the backrest by rack system
- 5-star base, in cast aluminum with black powder coating (epoxy) or in polyamide reinforced by nylon
- Castors for hard floors or sliders
- Optional footrest for the highest version
- In compliance with NFD65 761



ERGOSOFT



Behind the thinness of its seat and back rest thickness, the ERGOSOFT offers an exceptional comfort. Thanks to the grooves the user cannot slide when he is getting in movement. The grooves ensure also an aeration of both seat and user.

- Asynchronous mechanism to enable a coordinated movement between seat and backrest.
- Lockable adjustment in all positions for both seat and backrest
- Optional mechanism for seat depth adjustment
- Height adjustment of the backrest by rack system
- 5-star base, in cast aluminum with black powder coating (epoxy) or in polyamide reinforced by nylon
- Castors for hard floors or sliders
- Optional footrest for the highest version
- In compliance with NFD65 761





Thanks to its elegant design, the ERGOSLIM brings a touch of modernity in the workspace. Its grained finition and the remarkable flexibility of its seat enable an appreciable comfort. The range is completed by the ERGOSLIM sit-stand stool.

- Asynchronous mechanism to enable a coordinated movement between seat and backrest.
- Lockable adjustment in all positions for both seat and backrest
- Optional mechanism for seat depth adjustment
- Height adjustment of the backrest by rack system
- 5-star base, in cast aluminum with black powder coating (epoxy) or in polyamide reinforced by nylon
- Castors for hard floors or sliders
- Optional footrest for the highest version
- In compliance with NFD65 761





On an esthetical point of view is the ERGODYN the standard reference among the workseats. It offers also the perfect quality for money value. Its gripping handle makes the seat displacement much easier. The ERGODYN stool is its ideal complement.

- Asynchronous mechanism to enable a coordinated movement between seat and backrest.
- Lockable adjustment in all positions for both seat and backrest
- Optional mechanism for seat depth adjustment
- Height adjustment of the backrest by rack system
- 5-star base, in cast aluminum with black powder coating (epoxy) or in polyamide reinforced by nylon
- Castors for hard floors or sliders
- Optional footrest for the highest version
- In compliance with NFD65 761





The NATUR seat keeps the tradition of wooden seat in the workspace. The comfort is enabled thanks to its shapes which ensure an optimum position of the user. Contact with wood remains particularly pleasant. The NATUR stools are perfectly coordinated with the rest of the range.

- Asynchronous mechanism to enable a coordinated movement between seat and backrest.
- Lockable adjustment in all positions for both seat and backrest
- Optional mechanism for seat depth adjustment
- Height adjustment of the backrest by rack system
- 5-star base, in cast aluminum with black powder coating (epoxy) or in polyamide reinforced by nylon
- Castors for hard floors or sliders
- Optional footrest for the highest version
- In compliance with NFD65 761



STOOLS

ERGOLINE STOOL

The ERGOLINE stool offers an exceptional comfort. The height adjustment made by an instinctive access to the circular handle is really easy in all seat positions.



ERGODYN STOOL

The ERGYDIN stool is a classic. Its integrated mechanism is a guarantee of fiability.



NATUR STOOL

The NATUR stool brings back the combination of tradition and pleasancy of the wood into the work space. Its height adjustment made by an instinctive access to the circular handle is really easy in all seat positions.



5-star base, in cast aluminum with black powder coating (epoxy) or polyamid reinforced by nylon. Optimization of the stool stability according to its height by diameter adjustment. Castors for hard floor or sliders. Optional footrest for the high version. In compliance with NFD65 761.

SIT-STAND SEATS



ERGOSLIM SIT-STAND SEAT

The shape in wave of his seat base enables the user to find its own optimized working position. Its flexible foam ensures a perfect comfort. Easy displacement thanks to the gripping handle. Comes with sliders.



LM 2023 SIT-STAND SEAT

The seat base includes a 100MM high backslash to ensure a good positioning for the user on its sit-stand seat. This backslash has got a gripping handle to make easy the displacement of the sit-stand seat. Comes with sliders.



AS 200 SIT-STAND SEAT

The seat AS 200 comes with the 160MM high backslash to ensure a good lumbar support of the user when sitting on its sit-stand seat. Comes with sliders.



LM 2029 SIT-STAND SEAT

The LM 2029 is inspired by moped. It enables a large legs movement freedom and facilitates the mobility. Some versions come with a backslash which optimize the user's positioning and reduces the fatigue. Comes with either castors or sliders.



FLEX COLUMN

The FLEX version enables to improve the seat ergonomics by placing the user's spine in permanent movement. Thanks to the firmness of the flexion's mechanism the user is never placed in unbalanced position.

5-star base, in cast aluminum with black powder coating (epoxy) or polyamid reinforced by nylon. Castors for hard floor or sliders. In compliance with NFD65 761.

TECHNICAL FEATURES

Item:	ERGOLINE	AIRPLUS	ERGOSOFT	ERGOSLIM	ERGODYN	NATUR
Seat and backrest material	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Polyurethane	Beech plywood
Comfort	****	****	****	****	****	**
Mechanism	Synchronous	Asynchronous	Asynchronous	Asynchronous	Asynchronous	Asynchronous
Seat thickness in mm	70	60	30	30	30	8
Seat depth in mm	431	450	420	395	380	390
Seat width (or diameter) in mm	460	480	440	395	410	410
Backrest height in mm	502	390	300	295	250	260
backrest width in mm	460	410	380	375	380	390
High seat : seat height adjustment in cm	60-86	59-85	56-82	56-82	56-82	53-79
Medium seat : seat height adjustment in cm	53-73	52-72	49-69	59-69	49-69	46-66
Low seat : seat height adjustment in cm	46-60	45-59	42-56	42-56	42-56	39-53
Adjustable stroke for the backrest height in mm	74	120	120	120	120	120
Adjustable stroke for the seat depth in mm	58	50*	50*	50*	50*	50*
High seat: aluminium embase plate diameter in mm	670	670	670	670	670	670
Medium and low seats : aluminium embase plate diameter	610	610	610	610	610	610
High seat : polyamide embase plate diameter in mm	-	680	680	680	680	680
Medium and low seats : polyamide embase plate diameter	-	600	600	600	600	600
*optional mechanism						

SEATS

Item:	ERGOSLIM	AS200	LM2023	LM2029
Seat and backrest material	Polyurethane	Polyurethane	Polyurethane	Vinyl
Comfort	****	****	***	***
Mechanism	High adjustment	High adjustment	High adjustment	High adjustment
Seat thickness in mm	30	40	30	-
Seat depth in mm	330	240	250	270
Seat width (or diameter) in mm	360	330	360	270
Backrest height in mm	50	160	100	120
backrest width in mm	-	-	-	360
High seat : seat height adjustment in cm	58-84/FLEX 68-88	59-85/FLEX 69-89	59-85/FLEX 69-89	57-81
Aluminium embase plate diameter in mm	610	610	610	610
Polyamid embase plate diameter in mm	600	600	600	600

SIT AND STAND EATS

Item:	ERGOLINE	ERGODYN	NATUR
Seat and backrest material	Polyurethane	Polyurethane	Beech plywood
Comfort	****	***	**
Mechanism	High adjustment	High adjustment	High adjustment
Seat thickness in mm	50	30	12
Seat width (or diameter) in mm	330	340	320
High seat : seat height adjustment in cm	54-80	52-78	52-78
Medium seat : seat height adjustment in cm	47-67	45-65	45-65
Low seat : seat height adjustment in cm	40-54	38-52	38-52
High stools : Aluminium embase plate diameter in mm	670	670	670
Medium and low stools : Aluminium embase plate diameter in mm	610	610	610
High stools : Polyamid embase plate diameter in mm	680	680	680
Medium and low stools : Polyamid embase plate diameter in mm	600	600	600

STOOLS

ACCESSORIES (by set of 5 pcs)

Hard floor castors



Braked castors (only when user is sitting)



Braked castors



ESD castors



Standard sliders



High sliders



Our materials are guaranteed for 2 years on parts and labor against any manufacturing defect, and in the context of normal use.



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FRENCH MANUFACTURER

