

TNK FLEX

— By Alegre Design —



Intensive Certificate



1 SYNCHRO MECHANISM

The synchronised tilt system offers the possibility of adjusting the maximum angle of inclination of the backrest in 4 positions. The user determines the maximum tilting point, which can be locked in the upright position. At the same time, the tension adjustable offers the possibility to apply strength between 50-120ks to the back in a quick and efficient way.

By operating the handle (A) in one of its four possible positions the maximum tilt angle is determined and turning handle B in one of the positions, it will provide more or less tension to the back



Synchron lockable at 4 positions



Tension Control Knob

2 AIR COMFORT SYSTEM

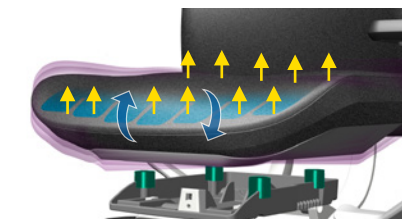
The seat foam has been designed with air chambers, to advantage pressure and decompression of the foam in an adpatative way. This improves comfort, flexibility and a better pressure distribution



ACS

3 FLEXIBLE SHEETS

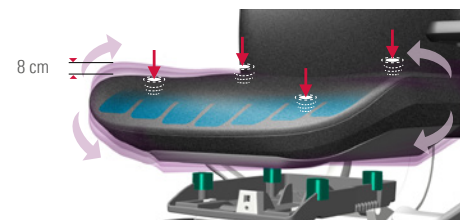
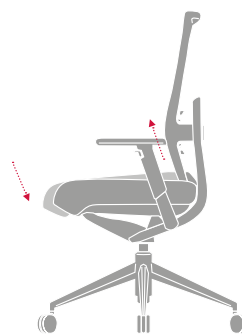
An ergonomic designed system makes the user seat in a proper way. It has a flexible sheets in front and back in order to reduce pressure on the muscles



Flexible sheets

4 360° SWING SEAT

The 360° swing system makes the seat follow the moves of the user to any gesture or change of position. This system gives a dynamic negative angle seat, bringing the back to a maximum ergonomic position.

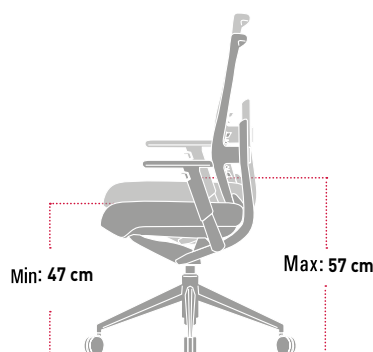


360° swing seat

5 SEAT HEIGHT

The adjustment of the seat height is performed using a gas pump. The mechanism is activated by pushing the lever up (C) located on the righthand side (seated in the chair) under the seat.

Range of elevation from 47 cm to 57 cm.

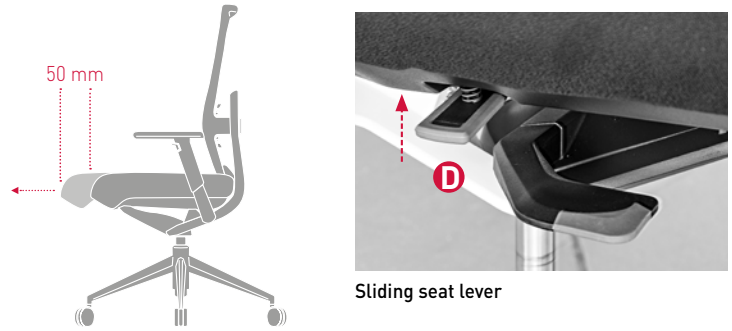


Seat Height Adjustment

6 SLIDING SEAT

TNK FLEX has a ratchet mechanism that enables locking in 5 positions with a total movement range of 50 mm.

The mechanism is operated by pressing up the lever (D) located on the right side under the seat. The system includes an auto-return mechanism to return the seat to the back position when standing up while pulling the lever out.



7 BACKREST AND TILT

FLEX OF THE BACK. The 360° adaptability is achieved by using a silent block that combines the oscillation and flex in all directions. The back acts adaptively even when the synchro mechanism is locked.

HEIGHT ADJUSTMENT OF THE BACK

A guided system which allows the user to adjust the height of the backrest with a total range of 50 mm.



8 LUMBAR AND HEAD ADJUSTMENT

ADJUSTMENT OF LUMBAR STRENGTH

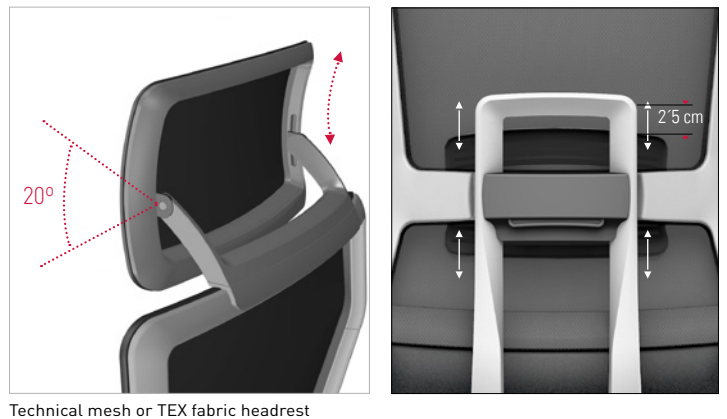
The TNK FLEX chair enables the regulation of lumbar strength with a total range of 25 mm.

FLEX OF THE LUMBAR STRENGTH

The lumbar strength is adaptable thanks to its design and materials employed. Furthermore, it is fixed to the back using a flexible arc which enables an increase or decrease in its total radius.

ADJUSTABLE HEADREST

The headrest can be adjusted in height with a range of 50 mm and an inclination angle of 20°. There are 2 types of finishes for the headrest: Finishes of Technical mesh and TEX fabric.

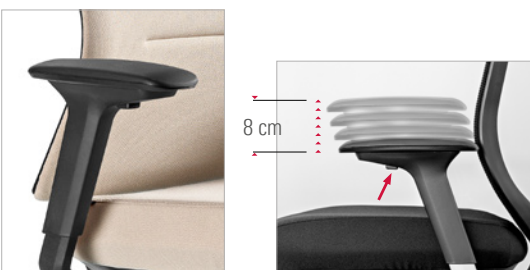


9 ADJUSTABLE ARMS

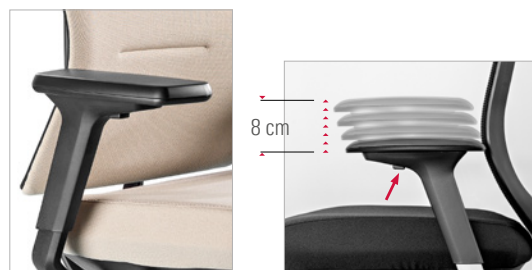
Three directions of adjustment: Height adjustment with a total elevation range of 80 mm, longitudinal movement with a total range of 45 mm and a lateral displacement with a total range of 25 mm per armrest (50 mm total). The armrests are available in PUR and rigid PP

Polypropylene (PP) 1D Arms

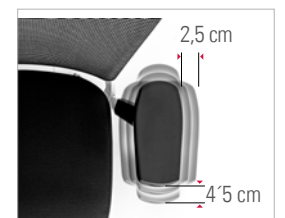
3D arms with Polyurethane (PUR) PADS (Optional)



Polypropylene arm with Hard armrest



Polyurethane arm with Soft armrest



Forward - Backward Width

■ **TNK FLEX - POLYAMIDE BASE**

Polypropylene (PP) Armrests
Polyurethane (PUR) Armrests - *Optional*



POLYAMIDE BASE FINISHES



Black

■ **TNK FLEX - ALUMINIUM BASE**

Polyurethane (PUR) Armrests



ALUMINIUM BASE FINISHES



White



Silver



Black



Polished

■ **STANDARD CASTORS**

All chairs are offered in a standardized way with silent running castors of teflon which gently allows tread without exerting pressure and gives lightness and freshness to the design of the base.



STANDARD CASTORS

- Silent teflon tread .
- Black finish.
- 65mm diametre
- No self-locking.

■ **OPTINAL CASTORS**

The self-locking castors are characterised by complying with security restrictions established in some projects, as they prevent accidental movement of the chair. Also, they have the disadvantage of sliding with difficulty when no weight is exerted. In a seated position or with pressure, allows a smooth roll without pressure.



AUTO-BRACKING CASTORS

Its auto brake system provides security by avoiding inadvertent movement of the chair, after pressing on its base to sit, it allows a smooth roll without pressure.



ANTISTATIC CASTORS



AUTO-BRACKING HOLE CASTORS

Its auto brake system provides security by avoiding inadvertent movement of the chair, after pressing on its base to sit, it allows a smooth roll without pressure. It includes an easy system to unlock the self-locking, contemplating itself as fundamentally an aesthetic choice.

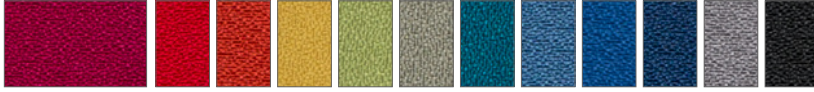


POLYPROPYLENE CAPS

TEX BACKREST

■ BACKREST AND SEAT

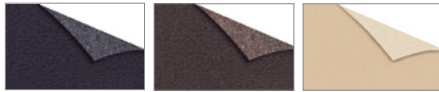
GROUP T



GROUP M - MELANGE



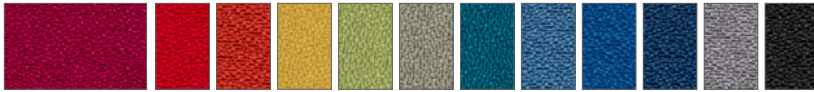
GROUP P



TECHNICAL MESH BACKREST

■ SEAT

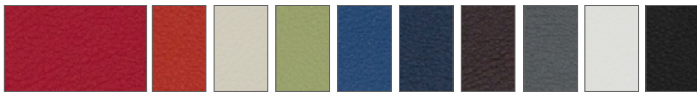
GROUP T



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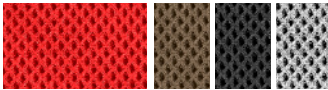
GROUP N



GROUP F - ATLANTIC



GROUP H - HARLEQUÍN

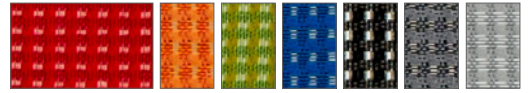


GROUP G - OMEGA 3D



■ BACKREST

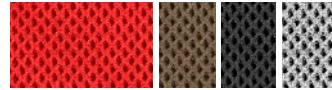
NET



PLUS



GROUP H - HARLEQUÍN



GROUP G - OMEGA 3D



■ **DESCRIPTION**

- ① Upholstered with foamized fabric composed of polyurethane foam 5mm + fabric "T" or 10mm polyurethane foam + fabric M.
- ② Perimeter frame injected with Polypropylene + 30% Fiberglass.
- ③ Back elevation system and adaptable lumbar support.
- ④ Height Adjustable arms. PA + FV cane. **PP** support.
Adjustable 3D arms. PA + FV cane. **PUR** support.
- ⑤ 360° swing adaptative seat. Allows dynamic negative angle. Seat foam with ACS technology and flexible sheets that reduce pressure on muscles.
- ⑥ Gas lift.
- ⑦ Five-star base.
 - Polyamide (PA) - Ø 67,5 cm.
 - Aluminium - Ø 67,5 cm.
- ⑧ Silent polyamide castor (PA6) with teflon tread in TPU.
- ⑨ Optionl Adaptive headrest made from tex fabric.
(Only for model with high backrest)



■ **BACKREST AND SEAT**

Group M-Melange & Group P - Leather

(PLEASE SEE FINISHES AND FABRIC ON THE PREVIOUS PAGE)

■ **BASES AND CASTORS**



Polyamide - Ø 67,5 cm
Silent black castor - Ø 65 mm
FINISH
Black.



Aluminum injection - Ø 67,5 cm
Silent black castor - Ø 65 mm
FINISHES
White, Black, Silver and Polished.

OPTIONAL ACCESSORIES



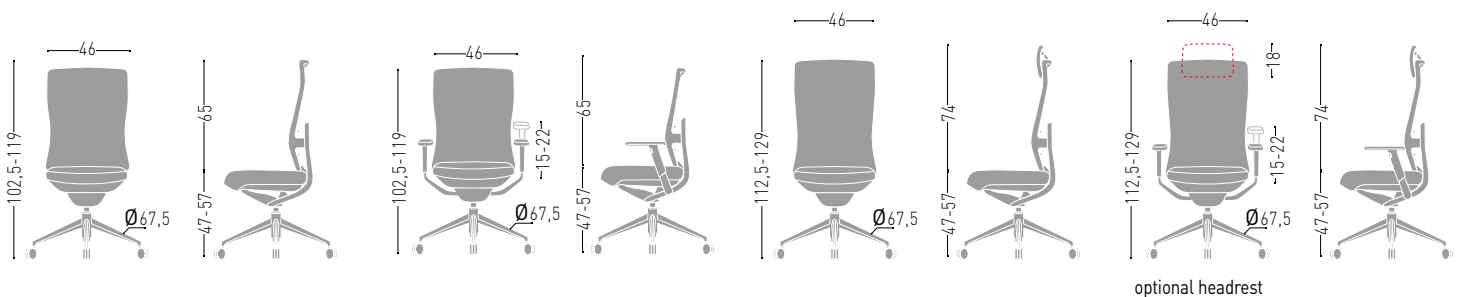
■ **DIMENSIONS**

Standard Backrest

Total height: from 1025 to 1190 mm Seat height: from 460 to 560 mm
Total width: 675 mm Seat width: 460 mm
Total depth: 675 mm Seat depth: from 460 to 500 mm

High backrest

Total height: from 1125 to 1290 mm Seat height: 470 a 570 mm
Total width: 675 mm Seat width: 460 mm
Total depth: 675 mm Seat depth: from 460 to 500 mm



optional headrest



MATERIALS

Maximum use of materials to eliminate and minimize scraps. Use of recyclable and recycled materials in those components that do not affect the functionality and durability.

50,66%
RECYCLED
MATERIALS



PRODUCTION

Maximum optimization of energy use. Minimal environmental impact. Last generation technological systems. Zero discharge of wastewater. No VOC coatings. Processes free of heavy metals, phosphates, OC and COD.

100%
RECYCLABLE
ALUMINIUM, STEEL
& WOOD



TRANSPORT

Detachable systems. Volumes that facilitate the optimization of space. Maximum reduction of energy consumption by transport.

100%
RECYCLABLE
PACKAGE AND THINNER
FREE



USE

Quality and warranty. Long lasting. Replacements available.

EASY
TO CLEAN
AND MAINTAIN



DISPOSAL

Waste reduction. Supplier-manufacturer packaging reuse system. Components are easy to be separated. Inks in packaging are water-based, without solvents.

77,33%
RECYCLABLE
MATERIALS

■ **CERTIFICATES AND REFERENCES**

The different programmes get points in different environmental categories to get the LEED certificate (sustainability, material and resources, water, energy and atmosphere, inner environment quality, innovation and design).



■ **STANDARDS**

TNK FLEX has passed tests done in our technical department as well as the tests done in AIDIMA the Technological Institute for furniture. The tests correspond to:

Operative chairs standards applied since 2009

- **UNE-EN 1335-2:09.** Office Furniture. Office Chair. Part 2: Security requirements
- **UNE-EN 1335-3:09.** Office Furniture. Office chair. Part 3: Security essays.
- **BS 5459-2:2000 + A2:2008.** Specification for performance requirements and tests for office furniture. Office pedestal seating for use by persons weighing up to 150kg and for use up to 24 hours a day, including type-approval tests for individual components.

■ **DESCRIPTION**

- ① Perimeter frame injected with Polypropylene + fiberglass.
- ② High tenacity technical mesh.
Finishes: **NET, PLUS and HARLEQUÍN**
- ③ Back elevation system and adaptable lumbar support.
- ④ Height Adjustable arms. PA + FV cane. **PP** support.
Adjustable 3D arms. PA + FV cane. **PUR** support.
- ⑤ 360° swing adaptative seat. Allows dynamic negative angle. Seat foam with ACS technology and flexible sheets that reduce pressure on muscles.
- ⑥ Gas lift.
- ⑦ Five-star base.
· Polyamide (PA) - Ø 67,5 cm.
· Aluminium - Ø 67,5 cm.
- ⑧ Silent polyamide castor (PA6) with teflon tread in TPU.
- ⑨ Optional adaptive headrest made Technical Mesh.
(Only for model with high backrest)



■ **BACKREST**

NET, PLUS, and Group H-Harlequin.
(PLEASE SEE FINISHES AND FABRICS)

■ **SEAT**

Group T-C, Group M-Melange, Group N, Group H-Harlequin,
Group G-Omega 3D y Group F-Atlantic.
(PLEASE SEE FINISHES AND FABRICS)

■ **BASES AND CASTORS**



Polyamide - Ø 67,5 cm
Silent black castor - Ø 65 mm
FINISH
Black.



Aluminum injection - Ø 67,5 cm
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FINISHES
White, Black, Silver and Polished.

OPTIONAL ACCESSORIES



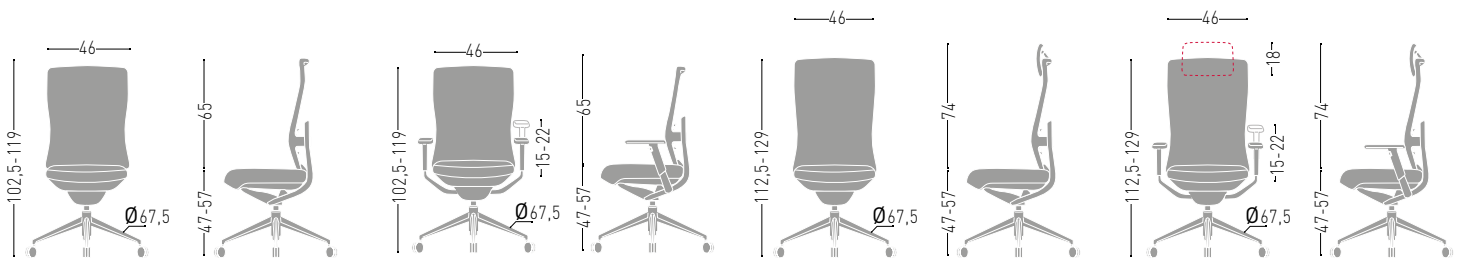
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 The mark of responsible forestry	 PEFC Certificate	 EN ISO 14006:2011 ECODESIGN Certificate	 UNE-EN ISO 9001:2008 ISO 9001 Certificate	 UNE-EN ISO 14001:2004 ISO 14001 Certificate	 E1 Certificate by EN 13986	 ACTIU TECHNOLOGY PARK LEED® PLATINUM certified by USGBC Leadership in Energy & Environmental Design <small>LEED® Gold certified 2011 • LEED® Platinum certified 2017</small>
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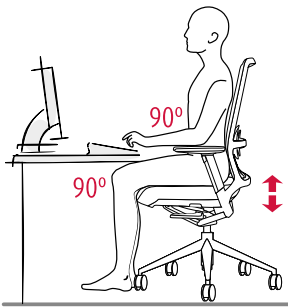
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- BS 5459-2:2000 + A2:2008. Specification for performance requirements and tests for office furniture. Office pedestal seating for use by persons weighing up to 150kg and for use up to 24 hours a day, including type-approval tests for individual components.

1 A correct posture at work to avoid physical problems.

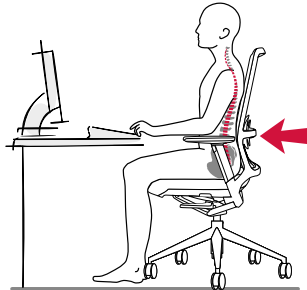
Seat adjustment.

Forearms must be parallel to the desk top as in a right angle with the rest of the arm. Both feet must be lean on the floor and knees must be in right angle too.



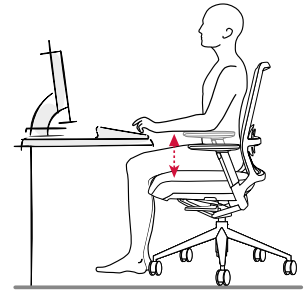
Adjustable arms (5 positions)

Place the chair arms in the lower position to get better mobility. For statics works, adjust height and distance to that point where the forearms perfectly lean.



Lumbar Support Adjustment

Adjust the Lumbar support height to get the back totally rested and the weight totally supported.



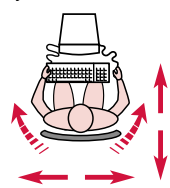
2 Different ergonomics conditions and specific mobility for each task.

It is necessary to alternate daily dynamic and static tasks.

Dynamic tasks.

Document manipulation, communication and so on...Free the synchro mechanism and adjust weight and height. Place armrests in the lower position.

Dynamic tasks.



Static work

Document analysis and writing, intensive computer work... Blocked synchro mechanism and use armrests properly.



3 Incorrect Postures

Key points.

1. A lower position from the desk produces neck pain.
2. An incorrect back support produces lumbar problems.
3. Legs too stretched or too vended causes body joints over-stressed.

