

TNK FLEX

— By Alegre Design —



**TNK
FLEX**

In order to have the best version of an equipment it is fundamental to take care of it with solutions that provide them with comfort and avoid problems derived from a bad posture.

TNK is a technological platform whose industrial base has allowed the design of different models of operative chairs for work environments where quality, comfort and ergonomics are fundamental aspects. Solutions that promote well-being, take care of people and contribute to their happiness to enjoy their work.

Numerous studies show that movement encourages creativity and improves productivity. **TNK Flex** represents an evolution in Actiu's operating seating, thanks to its active ergonomics. All its attributes have been designed to facilitate the user's comfort and concentration, thus facilitating all movements.



ACTIU

www.actiu.com

Design goes beyond aesthetics: innovation, space and furniture go hand in hand to create environments that are friendlier, more comfortable and more motivating for people: environments that are more dynamic, fresh, creative, ergonomic and functional.

A business philosophy in which design is part of our DNA, as we apply it to every facet of the company: products, architecture, projects, brand, communication, work spaces ...



TNK Flex
Serie 30



TNK Flex
Serie 50

| Type of backrest | Breathable Technical Fabric: High tenacity elastic technical fabric. | | Fabric TEX: Foamized fabric composed by: - 5mm polyurethane foam + T-Upholstery - 10mm polyurethane foam + upholstery D, M or P | |
|----------------------------|--|--|--|--|
| Frame | Injection perimeter frame made of Polypropylene + 30% fiberglass. Black and white finish | | Injection perimeter frame made of Polypropylene + 30% fiberglass. Black and white finish | |
| Backrest model | Medium Backrest with height adjustment (50 mm) | High Backrest with height adjustment (50 mm) | Medium Backrest with Lifting System (50 mm) | High Backrest with Lifting System (50 mm) |
| Height adjustment and tilt | Guided Elevation System (50 mm). 360° tilting system by means of a system of central springs that combine oscillation and flexion of the backrest in all directions. | | Guided Elevation System (50 mm). 360° tilting system by means of a system of central springs that combine oscillation and flexion of the backrest in all directions. | |
| Lumbar support | Adaptive lumbar support with a total range of 25 mm | | Adaptive lumbar support with a total range of 25 mm | |
| Label holder | Optional label holder | | Optional label holder | |
| Headrest | ---- | Adaptive headrest with height adjustment (50mm) and 20° rotation inclination. | ---- | Adaptive headrest with height adjustment (50mm) and 20° rotation inclination. |
| Arms | Model available with and without arms. (The models without arms, do not allow its placement later) | | Model available with and without arms. (The models without arms, do not allow its placement later) | |
| 1D Arms | Height adjustable arm. Polypropylene + Fiberglass rod. Polypropylene support. Height range: 8 cm | | Height adjustable arm. Polypropylene + Fiberglass rod. Polypropylene support. Height range: 8 cm | |
| 3D Arms | 3D adjustable arm. Polypropylene rod + fiberglass. Polyurethane support. • Height range: 8 cm • Width range: 2.5 cm • Front/rear range: 4.5 cm | | 3D adjustable arm. Polypropylene rod + fiberglass. Polyurethane support. • Height range: 8 cm • Width range: 2.5 cm • Front/rear range: 4.5 cm | |
| Seat | Injected seat made of flexible PUR foam from 55-60kg/m3 density. Upholstered in fabric for easy cleaning. | | Injected seat made of flexible PUR foam from 55-60kg/m3 density. Upholstered in fabric for easy cleaning. | |
| Oscillating seat | Adaptive 360° tilting seat that adaptively accompanies the user's movement. Allows dynamic negative angle. | | Adaptive 360° tilting seat that adaptively accompanies the user's movement. Allows dynamic negative angle. | |
| ACS system | ACS (Air Comfort System) technology, which favours the compression and decompression of the foam in an adaptive way | | ACS (Air Comfort System) technology, which favours the compression and decompression of the foam in an adaptive way | |
| Flexible Sheets | Flexible films that reduce pressure on the muscles and get a correct sitting of the user. | | Flexible films that reduce pressure on the muscles and get a correct sitting of the user. | |
| Depth | Rack and pinion mechanism that allows the blocking in 7 positions. Total range of displacement: 70 mm. | | Rack and pinion mechanism that allows the blocking in 7 positions. Total range of displacement: 70 mm. | |
| Synchro Mechanism | System of synchronized tilting of the backrest in 4 positions from 0° to 30°. Tension regulation that applies a force of 50 to 120kg to the backrest. | | System of synchronized tilting of the backrest in 4 positions from 0° to 30°. Tension regulation that applies a force of 50 to 120kg to the backrest. | |
| Gas lift | Lifting of the seat+backrest by means of a gas pump. Lifting range: 42 to 53 cm. | | Lifting of the seat+backrest by means of a gas pump. Lifting range: 42 to 53 cm. | |
| Bases | 5-spoke base Ø 67,5 cm, made of Polyamide (black) or Aluminium (White, black, aluminized and polished). | | 5-spoke base Ø 67,5 cm, made of Polyamide (black) or Aluminium (White, black, aluminized and polished). | |
| Support | Standard black wheels Ø60mm with Teflon bearing. Opinal: Self-feeding hollow wheel, self-braking wheel, anti-static wheel and polypropylene caps. | | Standard black wheels Ø60mm with Teflon bearing. Opinal: Self-feeding hollow wheel, self-braking wheel, anti-static wheel and polypropylene caps. | |
| Dimensions | Overall Dimensions: Height: 1005 to 1175 mm Width: 675 mm Depth: 675 mm Seat Dimensions: Height: 420 to 530 mm Width: 490 mm Depth: 420 to 490 mm | Overall Dimensions: Height: 1105 to 1275 mm Width: 675 mm Depth: 675 mm Seat Dimensions: Height: 420 to 530 mm Width: 490 mm Depth: 420 to 490 mm | Overall Dimensions: Height: 1005 to 1175 mm Width: 675 mm Depth: 675 mm Seat Dimensions: Height: 420 to 530 mm Width: 490 mm Depth: 420 to 490 mm | Overall Dimensions: Height: 1105 to 1275 mm Width: 675 mm Depth: 675 mm Seat Dimensions: Height: 420 to 530 mm Width: 490 mm Depth: 420 to 490 mm |
| Dimensions | model with/without arms | model with/without arms optional headboard | model with/without arms | model with/without arms optional headboard |



Access to the different functions of the TNK Flex chair:

- 1 Handle positions syncro mechanism
- 2 Tension Control Knob
- 3 Gas lift handle
- 4 Handle to sliding seat
- 5 Pushbutton for arm height adjustment
- 6 PAD - Transverse and longitudinal adjustment of the arm
- 7 Backrest height adjustment knob
- 8 Lumbar Backrest - Height adjustment
- 9 Headrest height adjustment
- 10 Regulación angle of rotation adjustment



Syncro Mechanism
Synchronized tilting of the backrest in 4 positions from 0° to 19°. Tension regulation between 50 and 120 Kg.



Height adjustment and tilting of the backrest
Guided backrest height adjustment system. Range: 50mm. 360° back tilting - kinetic of the backrest.



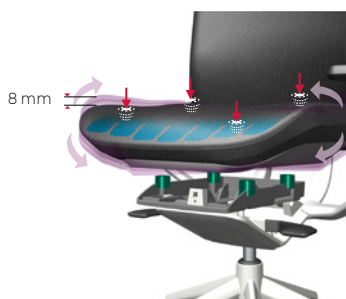
Lumbar adjustment
Adaptive lumbar support with height adjustment
Range: 25mm



Adjustable headrest
Headrest height adjustment
Range: 50mm
Inclination with a rotation angle of +/- 20°.
Optional hanger
Placed at the back of the chair, made of steel and the same finish as the frame of the chair.



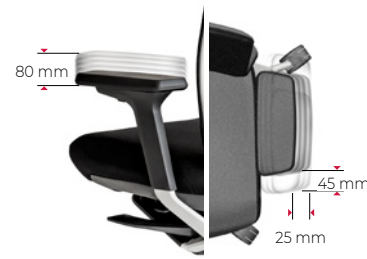
Sliding seat
Rack and pinion mechanism with 7 locking positions.
Range: 70mm



Oscillating seat, flexible blades and ACS technology
360° oscillating seat with negative dynamic seating angle, flexible blades and Air Comfort System.













Gas lift
Elevation of the seat height by means of a gas pump.
Lifting range: 420 to 530 mm













Adjustable arms
Elevation Range: 80mm
Longitudinal Range: 45 mm
Transversal Range: 50 mm (25mm per arm)

Weight and Volume // Ecodesign

Tnk Flex - Medium backrest

| MODEL | | Packs | Weight | Volume | Materials Recycled materials | Production Aluminium, steel and wood | Transport Package and thinner free | Use To clean and maintain | Disposal Recyclable materials |
|---|----------------|---|---|---|---|---|---|---|---|
| | |  |  |  |  |  |  |  |  |
|  Model without arms | Polyamide base | 1 | 19,635 | 0,2944 | 50,66% | 100% | 100% | Easy | 77,33% |
| | Aluminium base | 1 | 20,037 | 0,2944 | | | | | |
|  Model with arms | Polyamide base | 1 | 21,858 | 0,2944 | 50,66% | 100% | 100% | Easy | 77,33% |
| | Aluminium base | 1 | 22,617 | 0,2944 | | | | | |

Tnk Flex - Height backrest

| MODEL | | Packs | Weight | Volume | Materials Recycled materials | Production Aluminium, steel and wood | Transport Package and thinner free | Use To clean and maintain | Disposal Recyclable materials |
|---|----------------|--|--|--|--|--|--|--|--|
| | |  |  |  |  |  |  |  |  |
|  Model without arms | Aluminium base | 1 | 19,76 | 0,325 | 50,66% | 100% | 100% | Easy | 77,33% |
|  Model with arms | Aluminium base | 1 | 21,849 | 0,325 | 50,66% | 100% | 100% | Easy | 77,33% |

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.

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.

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

Use: Quality and warranty. Long lasting. Replacements available.

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

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: **Task seating, Implementing standards from 2009**

| Standards | Description |
|-------------------------|---|
| UNE-EN 1335-1:01 | Office Furniture. Office chair. Part 1: Dimensions. |
| 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 5459-2:200 + 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. |

Certificates

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



Certificate of Intensive Use
BS 5459-2:2000+A2:2008



EN ISO 14004:2011
ECODESIGN Certificate



UNE-EN ISO 9001:2008
ISO 9001 Certificate



UNE-EN ISO 14001:2004
ISO 14001 Certificate



ACTIU TECHNOLOGY PARK
LEED® PLATINUM
certified by USGBC
Leadership in Energy & Environmental Design



Health & Wellbeing of
people through The space

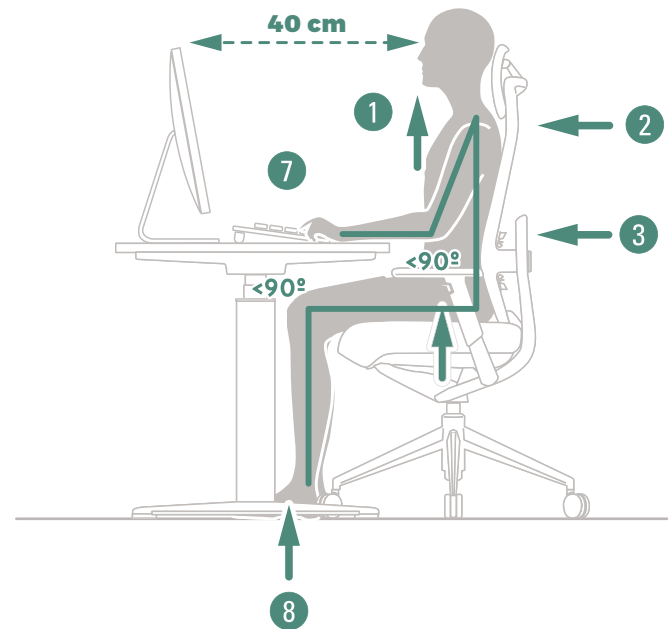
ERGONOMICS AT WORK

Correct position in the work center

To the time you spend sitting at your desk each day, add the time you spent driving to work. Walking, bicycling, and using the stairs instead of the elevator are activities that favor us. Also, interrupt sitting whenever you can.

Acquire a good position

- 1 Head straight.
- 2 Shoulders relaxed.
- 3 Back straight.
- 4 Front view at all times.
- 5 Moderate position on the chair.
- 6 Arms and legs at a 90° angle.
- 7 Hands in line with arms.
- 8 Feet firm on the floor.
- 9 Monitor in the center of the line of sight.
- 10 Easily accessible reading material.
- 11 Correct and moderate illumination.



TYPES OF WORK

Different ergonomics conditions and specific mobility for each task.

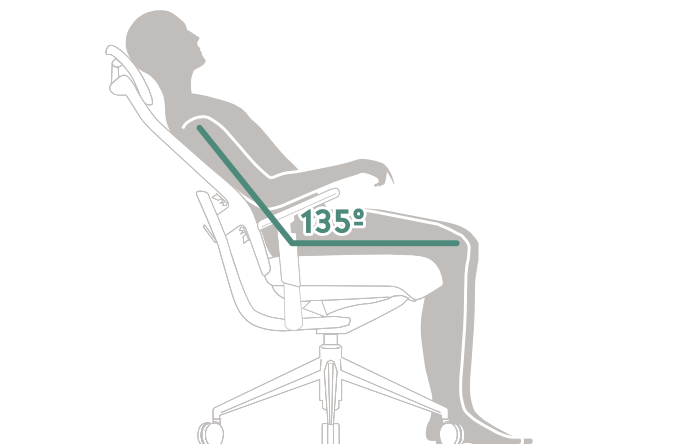
It is necessary to alternate daily dynamic and static tasks.

Static work

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

Dynamic tasks

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



Torsion

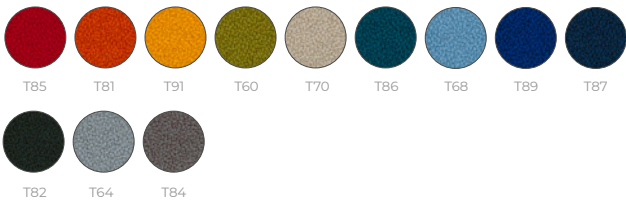
Flexible backrest that accompanies the torsion action of the user adapting naturally to the movement.

"Sitting in a 135° position reduces the strain on your back, much more than bending forward or even to sit up straight."

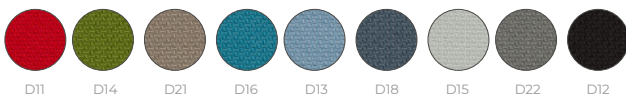
TEX BACKREST

■ BACKREST AND SEAT

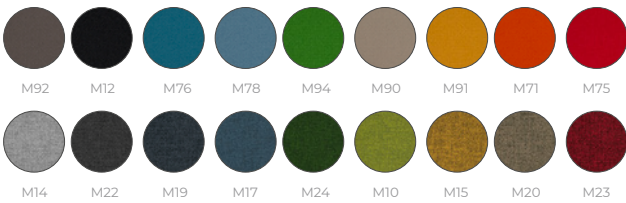
Fabric T - Phoenix



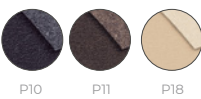
Fabric D - Felicity



Fabric M - Step & Step Melange



Fabric P - Savana



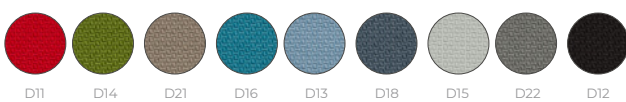
TECHNICAL MESH BACKREST

■ SEAT

Fabric T - Phoenix



Fabric D - Felicity



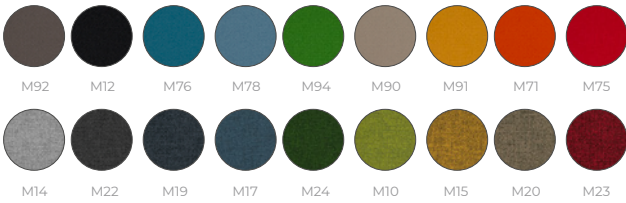
Fabric A - Synergy



Fabric R - Rhythm



Fabric M - Step & Step Melange



Fabric V - Valencia



Fabric N - Portus B



Fabric H - Harlequin



■ BACKREST

Fabric R - Rhythm



Fabric H - Harlequin



Fabric Q - Spin

