

TNK FLEX

— By Alegre Design —



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 30 mm		Adaptive lumbar support with a total range of 30 mm	
Label holder	Optional label holder		Optional label holder	
Headrest	----	Adaptive headrest with height adjustment (50mm) and 30° rotation inclination.	----	Adaptive headrest with height adjustment (50mm) and 30° 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 cm • Front/rear range: 4.5 cm		3D adjustable arm. Polypropylene rod + fiberglass. Polyurethane support. • Height range: 8 cm • Width range: 2 cm • Front/rear range: 4.5 cm	
Seat	Injected seat made of flexible PUR foam from 55-60kg/m ³ density. Upholstered in fabric for easy cleaning.		Injected seat made of flexible PUR foam from 55-60kg/m ³ 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 8 positions. Total range of displacement: 70 mm.		Rack and pinion mechanism that allows the blocking in 8 positions. Total range of displacement: 70 mm.	
Synchro Mechanism	System of synchronized tilting of the backrest in 4 positions from 0° to 20°. 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 20°. 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: 48,5 to 60,5 cm.		Lifting of the seat+backrest by means of a gas pump. Lifting range: 48,5 to 60,5 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. Opcional: Self-feeding hollow wheel, self-braking wheel, anti-static wheel and polypropylene caps.		Standard black wheels Ø60mm with Teflon bearing. Opcional: 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 <small>*according to UNE-EN 1335-1</small>				

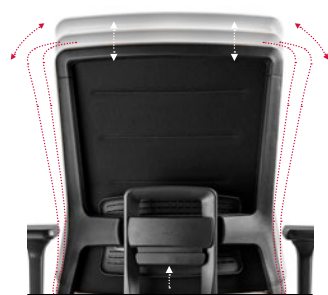


Access to the different functions of the TNK Flex chair:

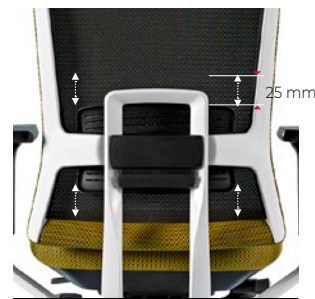
- 1 Handle positions syncro mechanism
- 2 Tension Control Knob
- 3 Gas lift handle
- 4 Handle to sliding seat
- 5 Pushbutton for arm height adjustment
- 6 PAD - Transverse and longitudinal adjustment of the arm
- 7 Backrest height adjustment knob
- 8 Lumbar Backrest - Height adjustment
- 9 Headrest height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



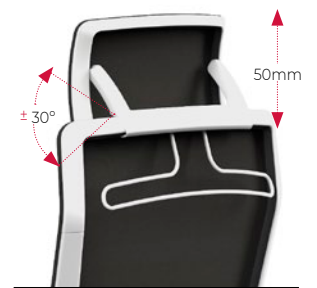
Syncro Mechanism
Synchronized tilting of the backrest in 4 positions from 0° to 20°. Tension regulation between 50 and 120 Kg.



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: 30mm



Adjustable headrest
Headrest height adjustment. Range: 50mm. Inclination with a rotation angle of +/- 30°.
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 8 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: 485 to 605 mm





Adjustable arms
Elevation Range: 80mm. Longitudinal Range: 45 mm. Transversal Range: 40 mm (2mm 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 - High 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 1335-2:19	Office Furniture. Office Chair. Part 2: Security requirements
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).

 <p>Certificate of Intensive Use BS 5459-2:2000+A2:2008</p>	 <p>EN ISO 14004:2011 ECODESIGN Certificate</p>	 <p>UNE-EN ISO 9001:2008 ISO 9001 Certificate</p>	 <p>UNE-EN ISO 14001:2004 ISO 14001 Certificate</p>	 <p>ACTIU TECHNOLOGY PARK LEED® PLATINUM certified by USGBC Leadership in Energy & Environmental Design</p>	 <p>Health & Wellbeing of people through The space</p>
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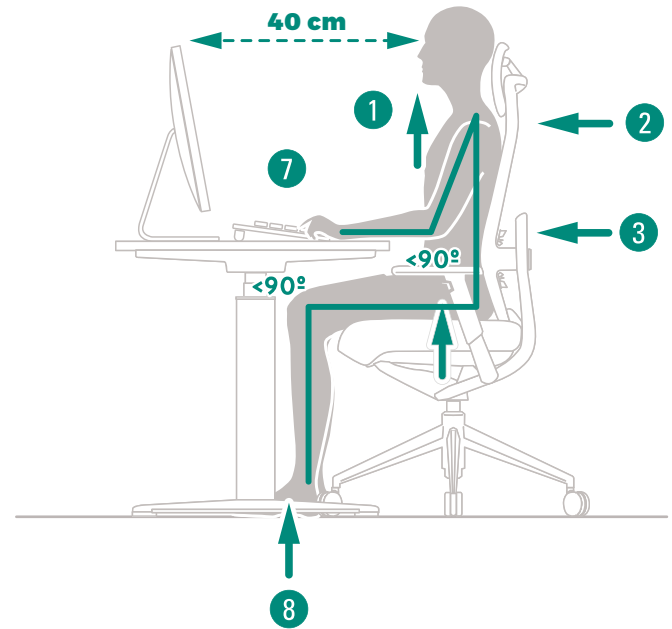
ERGONOMICS AT WORK

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.

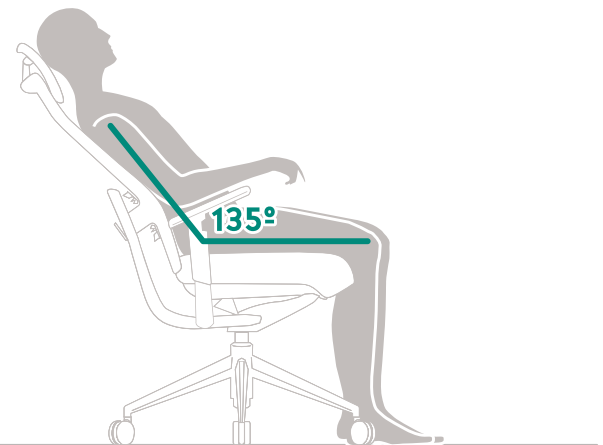
It is necessary to alternate daily dynamic and static tasks.

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

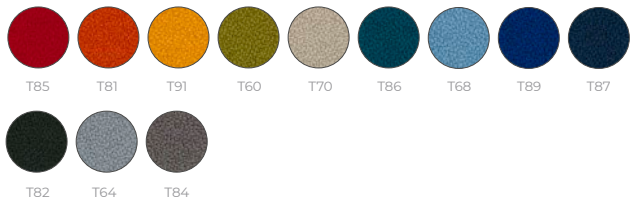
Flexible backrest that accompanies the torsion action of the user adapting naturally to the movement.

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

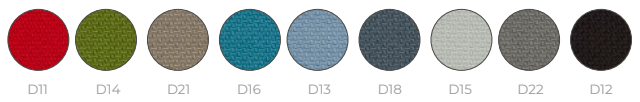
TEX BACKREST

■ **BACKREST AND SEAT**

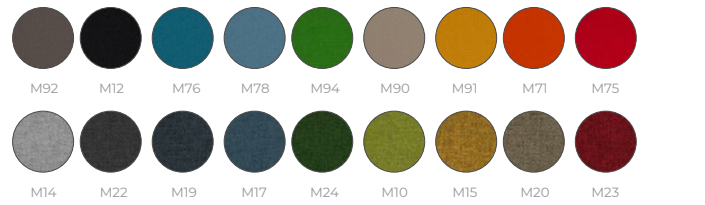
Fabric T - Phoenix



Fabric D - Felicity



Fabric M - Step & Step Melange



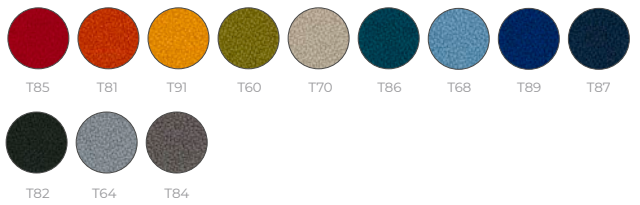
Fabric P - Savana



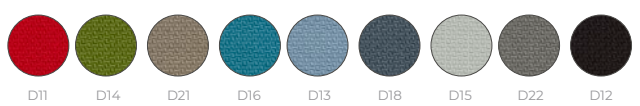
TECHNICAL MESH BACKREST

■ **SEAT**

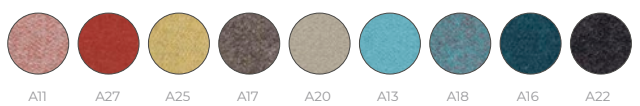
Fabric T - Phoenix



Fabric D - Felicity



Fabric A - Synergy



Fabric R - Rhythm



■ **BACKREST**

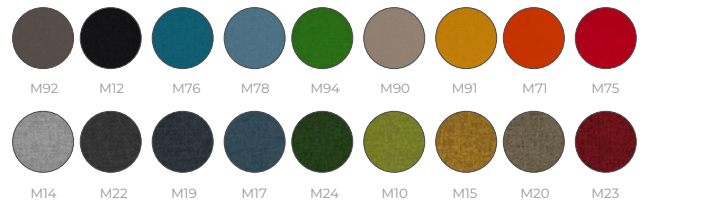
Fabric R - Rhythm



Fabric H - Harlequin



Fabric M - Step & Step Melange



Fabric V - Valencia



Fabric U - Laguna



Fabric H - Harlequin



Fabric Q - Spin

