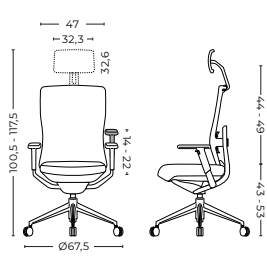
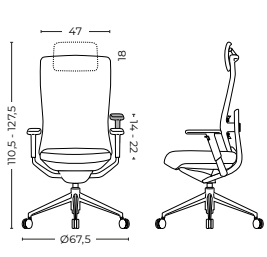
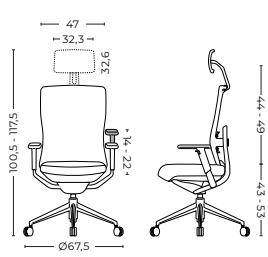
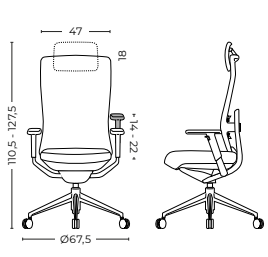






Technical specifications

Model	Tnk Flex · Series 50		Tnk Flex · Series 30	
Backrest	Tex fabric: Foamized fabric composed of 5 mm polyurethane foam + Upholstery T. 10 mm polyurethane foam + Upholstery D, M or P.		Breathable technical fabric: High tenacity elastic technical fabric	
Backrest frame	Perimeter frame made of polypropylene injection + 30% fiberglass. Black and white finish.			
Backrest model	Medium backrest with lifting system (50 mm)	High backrest with lifting system (50 mm)	Medium backrest with lifting system (50 mm)	High backrest with lifting system (50 mm)
Height adjustment and tilt	360° tilting system by means of a system of central springs that combine oscillation and flexion of the backrest in all directions.			
Lumbar support	Adaptable lumbar support with a total range of 25 mm.			
Label holder	Optional label holder			
Hanger	Polyamide hanger + 30% FV	-	Polyamide hanger + 30% FV	-
Headrest	Adaptive headboard with height adjustment (50 mm) and 30° swivel inclination.			
Arms	Model available with and without arms (models without arms do not allow subsequent placement).			
1D Arms	Height adjustable arm. Polypropylene + fiberglass cane. Polypropylene support. <b>Height range:</b> 8 cm.			
3D Arms	3D adjustable arm. Polypropylene + fiberglass cane. Polyurethane support. <b>Height range:</b> 8 cm. <b>Rango de ancho:</b> 2 cm. <b>Range front/rear:</b> 4,5 cm.			
Seat	Seat injected with flexible PUR foam of 55-60kg/m3 density. Upholstered in easy to clean fabric.			
Oscillating seat	360° adaptive tilting seat that adaptively follows the user's movement. Allows dynamic negative angle.			
ACS System	ACS (Air Comfort System) technology that promotes adaptive compression and decompression of the foam.			
Flexible sheets	Flexible sheets that reduce pressure on the muscles and achieve a correct sitting position for the user.			
Depth	Rack and pinion mechanism allowing locking in 8 positions. <b>Total range of displacement:</b> 7 cm.			
Synchro mechanism	Synchronized backrest tilting system in 4 positions from 0° to 20°. Tension adjustment that applies a force of 50 to 120kg to the backrest.			
Gas lift	Seat+backrest lifting by means of a gas pump. <b>Elevation range:</b> from 48.5 to 60.5 cm.			
Bases	5-spoke base Ø 67.5 cm, made of polyamide (black) or aluminum (white, black, aluminized and polished).			
Support	Ø 6 cm black standard wheels with Teflon treads. <b>Optional:</b> Self-braking hollow wheel, self-braking, anti-static and polypropylene plugs.			
Dimensions	<p><b>Overall dimensions:</b> Height: 100,5 a 117,5 cm Width: 67,5 cm Depth: 67,5 cm</p> <p><b>Seat dimensions:</b> Height: 43 a 53 cm Width: 47 cm Depth: 42 a 49 cm</p>	<p><b>Overall dimensions:</b> Height: 110,5 a 127,5 cm Width: 67,5 cm Depth: 67,5 cm</p> <p><b>Seat dimensions:</b> Height: 43 a 53 cm Width: 47 cm Depth: 42 a 49 cm</p>	<p><b>Overall dimensions:</b> Height: 100,5 a 117,5 cm Width: 67,5 cm Depth: 67,5 cm</p> <p><b>Seat dimensions:</b> Height: 43 a 53 cm Width: 47 cm Depth: 42 a 49 cm</p>	<p><b>Overall dimensions:</b> Height: 110,5 a 127,5 cm Width: 67,5 cm Depth: 67,5 cm</p> <p><b>Seat dimensions:</b> Height: 43 a 53 cm Width: 47 cm Depth: 42 a 49 cm</p>
				

5

Functionalities

Types of mechanism

Synchro mechanism with limiter and gas lift



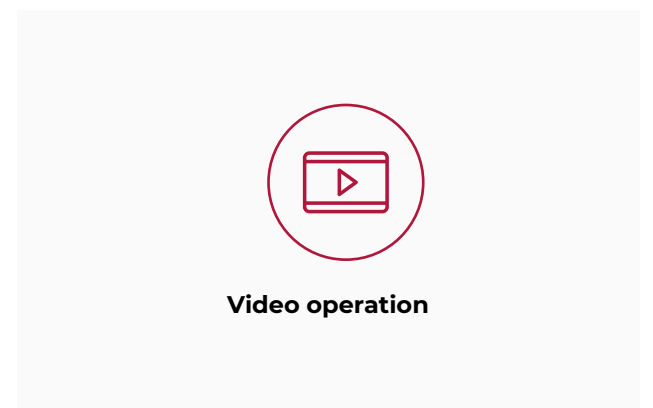
**Seat height**

The seat height adjustment is made by means of a gas pump. The mechanism is operated by pushing up the handle located on the right side, in the sitting position, under the seat.



**Synchro self-weighting mechanism**

Tnk Flex has 4 defined backrest positions from the locking position to the maximum position of 20°. A sensitive adjustment device is incorporated under the seat that allows the tension to be adjusted to personalise the user's comfort by turning the device to achieve a greater or lesser tension.



Included functionalities



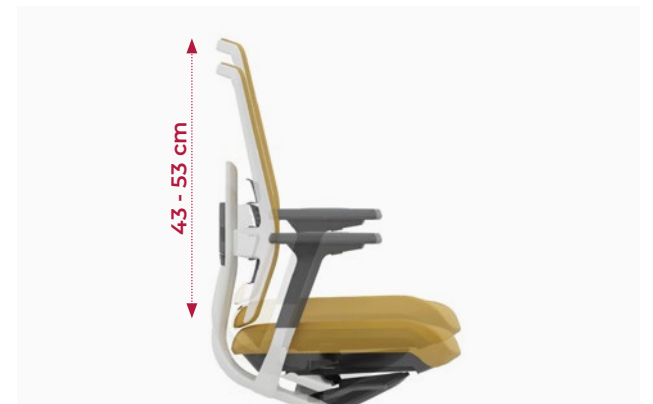
**Airflow confort system**

The seat has been designed with air chambers to improve comfort, flexibility and pressure distribution for any user. Covered with flexible PR injected foam of 55-60 kg/m<sup>3</sup> density.



**Seat travel (TRASLA)**

The horizontal displacement of the seat allows adjusting the distance of the seat from the backrest, so that it adapts to users of different anthropometric characteristics. **The seat can be locked in 8 positions.** The auto return system moves the seat to the initial position without exerting pressure on the seat.



**Adjustable backrest**

Tnk Flex has a guided system that allows the user to adjust the height of the backrest with a total range of 10 cm.



**Backrest height adjustment and 360° tilting**

Guided backrest height adjustment system.

**Range:** 360° dorsal-kinetic backrest tilting.



**Lumbar adjustment**

Adaptive lumbar support with height adjustment.

**Range:** 25 mm.

4

Optional functionalities

Arms 1D and 3D



**Arm height adjustment**

It is operated by pressing the button located under the armrest. **7 locking positions are available.**

Arms 3D



**Armrest adjustment system**

Longitudinal Range: 45 mm  
Transversal Range: 40 mm (2mm per arm)



**Label holder**

The Tnk Flex chairs have a transparent plastic label holder, which allows the chair to be identified. Easy label placement.

Arms 1D / White



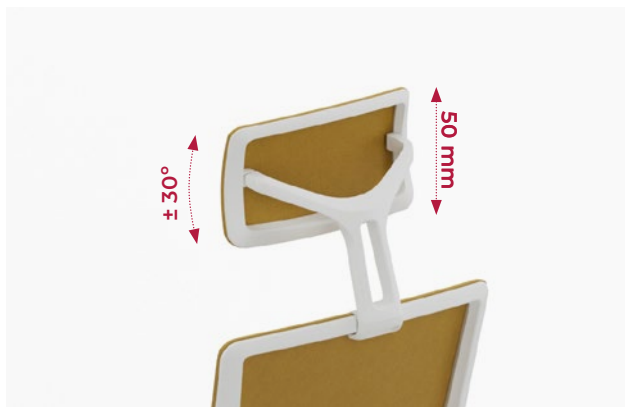
Arms 1D / Black



Arms 3D / White

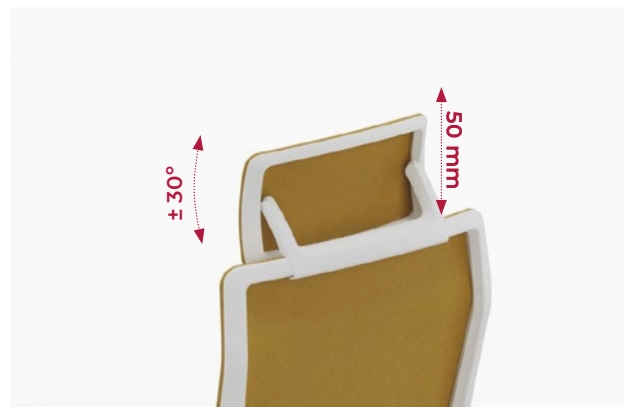


Arms 3D / Black



**Adjustable headboard / Medium backrest**

Headrest height adjustment. Range: 50 mm. Tilt with a rotation angle of +/- 30°.



**Adjustable headboard / High backrest**

Headrest height adjustment. Range: 50 mm. Tilt with a rotation angle of +/- 30°.



**Optional hanger (only medium backrest)**

Positioned at the back of the chair, made of polyamide + 30% fiberglass..

Castors and caps

Standard castors



All chairs include as standard soft castors with silent teflon tread which allows an easy and light movement of the chair in black finish. Diameter 6 cm.

Auto-brake castors



This system provides security according to standard EN 12529 as it avoids accidental movement of the chair. While sat on the chair, it moves easily.



Optional safety castors, with self-braking system, which prevent the chair from unintentionally rolling away. Available in different finishes. The safety brake according to standard EN 12529 for office chairs requires that when the chair is unloaded, i.e. before the user sits down, the castors are slightly braked and do not give the chair the possibility of sliding when the user sits down. It includes an easy system to reduce and/or deactivate the braking force, and is mainly considered as an aesthetic option.



Antistatic castors



Electrostatic dissipative castors that are designed to allow static electricity to flow through the tread and dissipate safely into the ground.

Caps



Black Polypropylene (PP) caps with antiskid rubber.

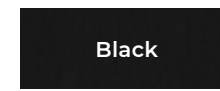
Finishes available

Structure

Aluminum



Polyamide



Polypropylene



Series 50 with tex backrest · Monocolor without thermosealed

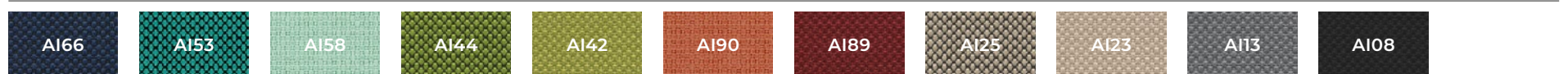
Fabric AT · Basic F.R.



Fabric AE · Era



Fabric AI · Radio



Fabric AC · Chili



Series 50 with tex backrest · Monocolor with thermosealed

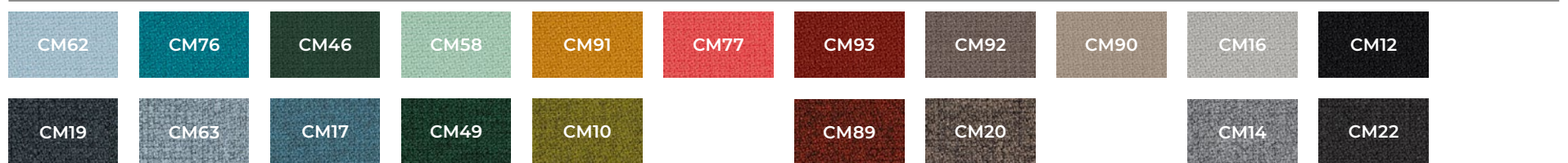
Fabric AO · Tonal



Fabric AD · Felicity

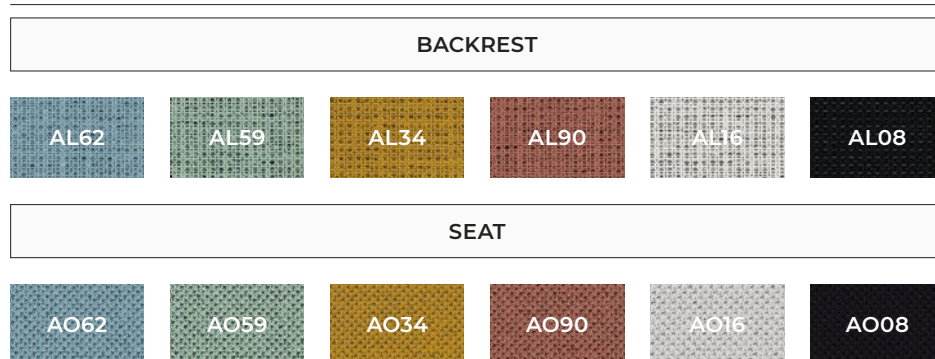


Fabric CM · Step & Step Melange

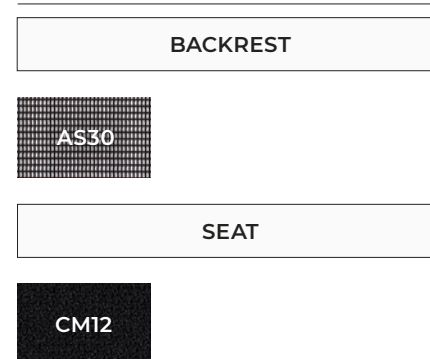


Series 30 with technical mesh backrest · Monochromatic

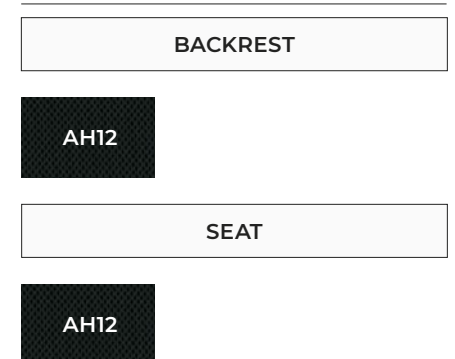
Technical mesh AL · Tale



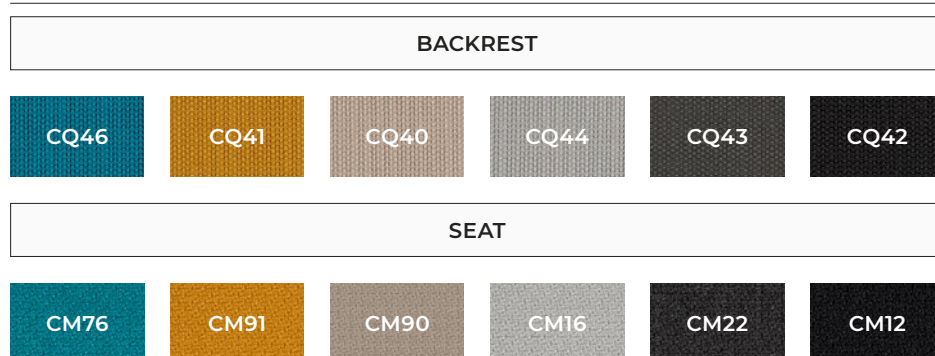
Technical mesh AS · String



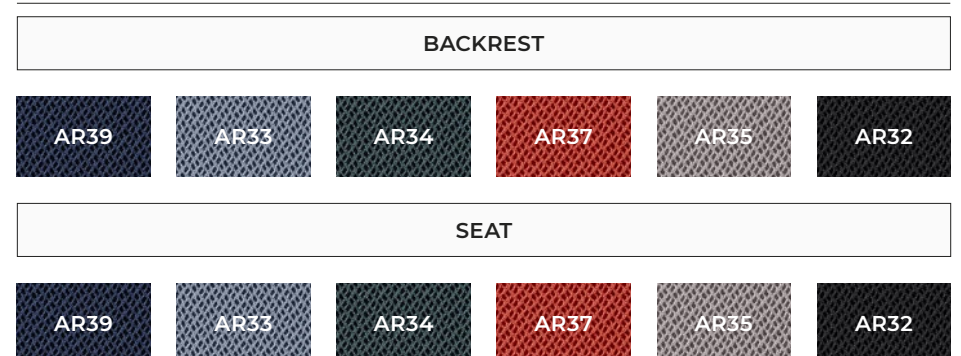
Technical mesh AH · Harlequin



Technical mesh CQ · Spin



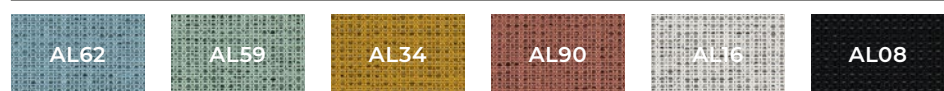
Technical mesh AR · Rhythm



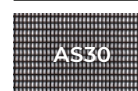
**Series 30 with technical mesh backrest · Two-coloured** *(The black backrests combine with seats of different ranges).*

BACKREST

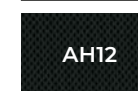
**Technical mesh AL · Tale**



**Technical mesh AS · String**



**Technical mesh AH · Harlequin**



**Technical mesh CQ · Spin**



SEAT

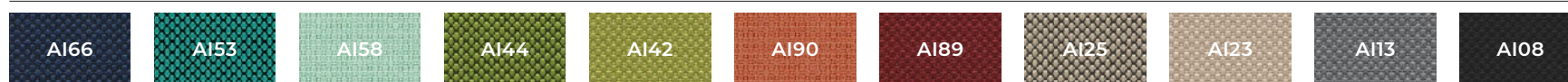
**Fabric AT · Basic F.R.**



**Fabric AE · Era**



**Fabric AI · Radio**



**Fabric AO · Tonal**



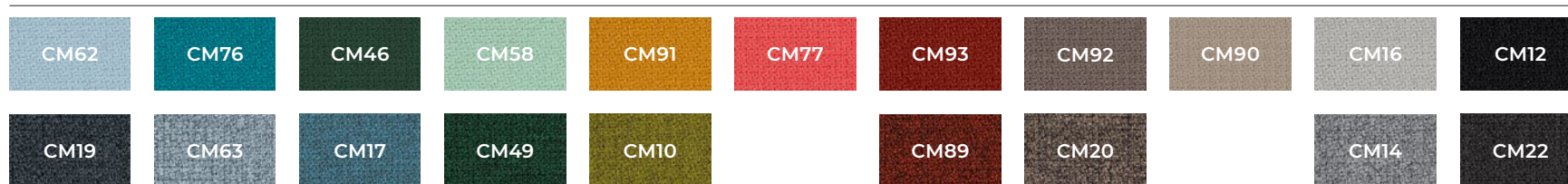
**Fabric AD · Felicity**



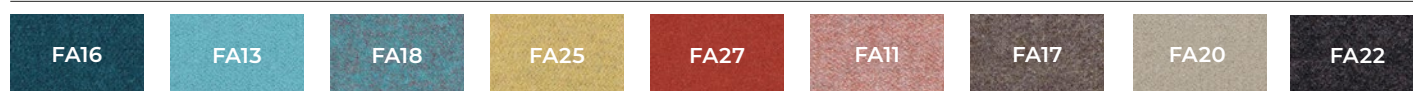
**Fabric BV · Valencia**



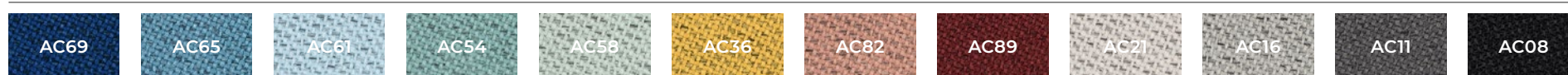
**Fabric CM · Step & Step Melange**



**Fabric FA · Synergy**



**Fabric AC · Chili**



BACKREST

**Technical mesh AR · Rhythm**

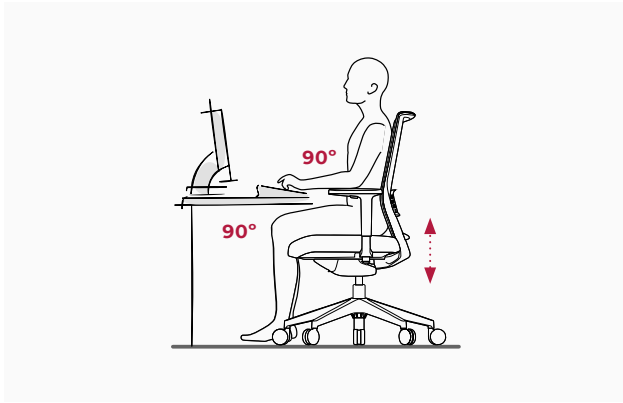


SEAT

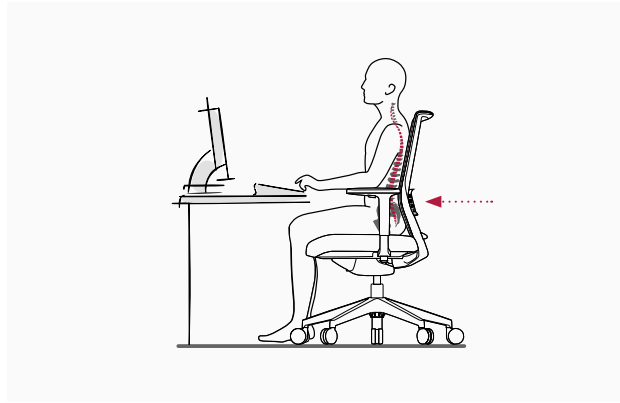
**Technical mesh AR · Rhythm**



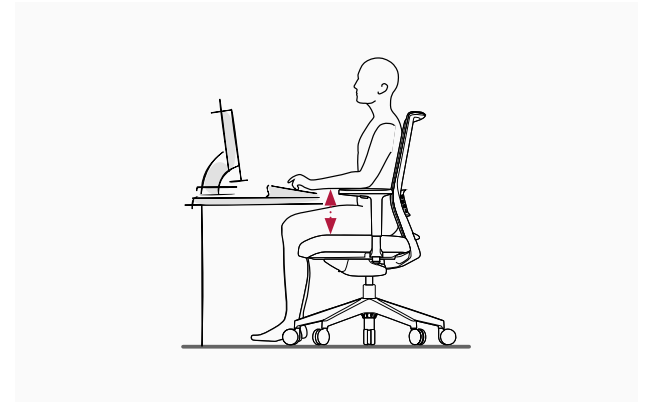
**Ergonomics**



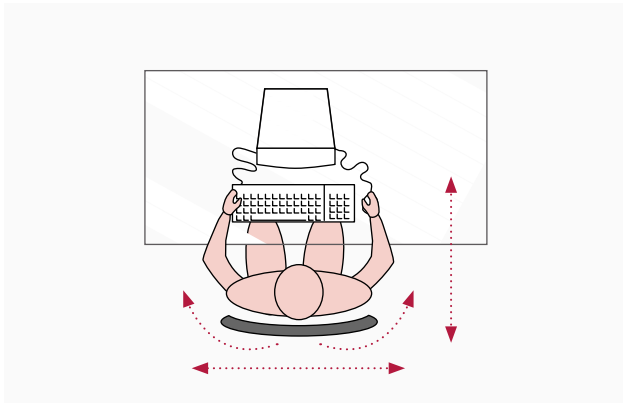
**Seat height**  
The forearms should be parallel to the work surface, forming a right angle with the arm. With both feet flat on the floor, the knees should form an angle with the arm.



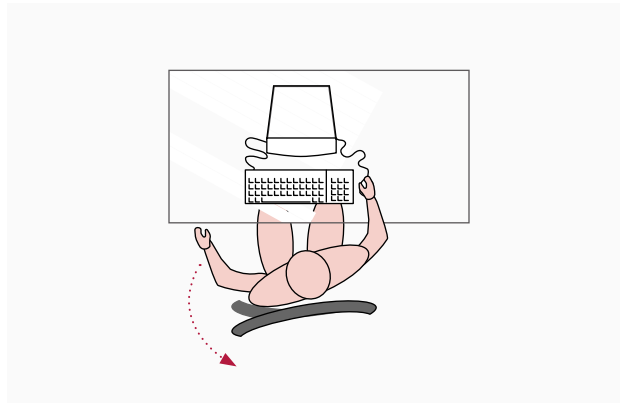
**Lumbar adjustment**  
Adjust the height of the lumbar support to achieve full back support and proper weight distribution..



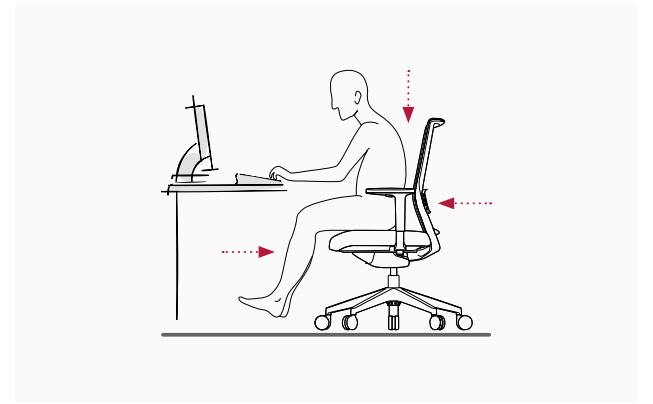
**Adjustable arms (7 positions)**  
Place the arms in the lowest position to facilitate mobility. For static work, adjust the height and distance until the forearm is perfectly supported.



**Dynamic work**  
The forearms should be parallel to the work surface, forming a right angle with the arm. With both feet flat on the floor, the knees should form a right angle.



**Torsion**  
Flexible backrest that follows the user's twisting action, adapting naturally to the movement.



**Incorrect positions**  
Key points such as a low position with respect to the table cause cervical overloads. Incorrect support on the backrest causes lumbar discomfort and excessively stretched or bent legs cause joint overloads.

8

**Packs, weights & volumes**

Model	Packs	Weights	Volumes
<b>Tnk Flex</b> · Medium backrest · Without arms	↓	↓	↓
Polyamide base	1	19,365 kg	0,2944 m <sup>3</sup>
Aluminum base		20,037 kg	
<b>Tnk Flex</b> · Medium backrest · With arms	↓	↓	↓
Polyamide base	1	21,858 kg	0,2944 m <sup>3</sup>
Aluminum base		22,617 kg	
<b>Tnk Flex</b> · High backrest · Without arms	↓	↓	↓
Aluminum base		19,76 kg	0,325 m <sup>3</sup>
<b>Tnk Flex</b> · High backrest · With arms	↓	↓	↓
Aluminum base		21,849 kg	0,325 m <sup>3</sup>

### Ecodesign

Recycled materials	50,66%
Production	100%
Transportation	100%
Use	Muy fácil
Disposal	77,33%

**Recycled materials:** Maximum use of materials to eliminate waste and minimize residues. Use of recyclable materials and recycled materials in components that do not affect functionality and durability. **Production:** Maximum optimization of energy use. Minimum environmental impact. State-of-the-art technological systems. Zero wastewater discharge. VOC-free coatings. Processes free of heavy metals, phosphates, OC and COD. **Transport:** Dismountable systems. Volumes that facilitate space optimization. Maximum reduction of energy consumption for transport. **Use:** Quality and guarantee. Long useful life. Possibility of substitution and replacement of elements. **Disposal:** Waste reduction. Reuse system of supplier-manufacturer packaging. Easy separation of components. Solvent-free water-based printing inks on packaging.

### Regulations & EPD

Tnk Flex has passed the tests carried out in our laboratory and the tests performed at the Instituto Tecnológico del Mueble (AIDIMA) corresponding to the standards:

Regulations	Description
UNE-EN 1335-1:2021+A1:2023	Office furniture. Office chair. <b>Part 1:</b> Determination of dimensions.
UNE-EN 1335-3:2009	Office furniture. Office chair. <b>Parte 2:</b> Safety requirements.
BS 5459-2:2000+A2:2008	Specification of performance requirements and tests for office furniture. Office chair for use by persons up to 150 kg and use up to 24 hours per day. Includes approval testing of individual components.

### Certificates

The different programs allow points to be obtained in different environmental categories, referring to sustainable plots, materials and resources, efficiency in water, energy and atmosphere, indoor environmental quality, and innovation and design, which are applied to a building in order to obtain LEED certification.



### Awards

