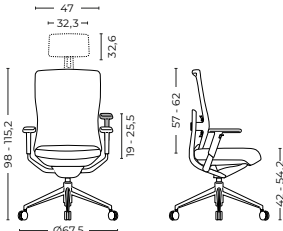
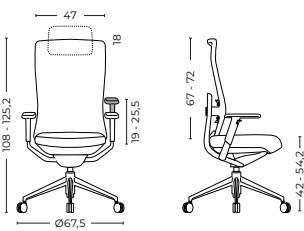
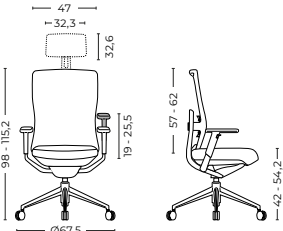
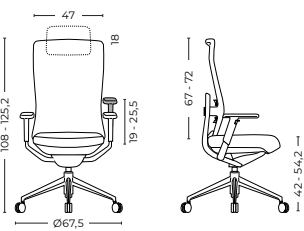




Technical specifications

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. Height range: 8 cm.			
3D Arms	3D adjustable arm. Polypropylene + fiberglass cane. Polyurethane support. Height range: 8 cm. Rango de ancho: 2 cm. Range front/rear: 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. Total range of displacement: 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. Elevation range: 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. Optional: Self-braking hollow wheel, self-braking, anti-static and polypropylene plugs.			
Dimensions	Overall dimensions: Height: 98 a 115,2 cm Width: 67,5 cm Depth: 67,5 cm Seat dimensions: Height: 42 a 54,2 cm Width: 47 cm Depth: 42 a 49 cm	Overall dimensions: Height: 108 a 125,2 cm Width: 67,5 cm Depth: 67,5 cm Seat dimensions: Height: 42 a 54,2 cm Width: 47 cm Depth: 42 a 49 cm	Overall dimensions: Height: 98 a 115,2 cm Width: 67,5 cm Depth: 67,5 cm Seat dimensions: Height: 42 a 54,2 cm Width: 47 cm Depth: 42 a 49 cm	Overall dimensions: Height: 108 a 125,2 cm Width: 67,5 cm Depth: 67,5 cm Seat dimensions: Height: 42 a 54,2 cm Width: 47 cm Depth: 42 a 49 cm
				

Functionalities

Types of mechanism

Synchro mechanism with limiter and gas lift



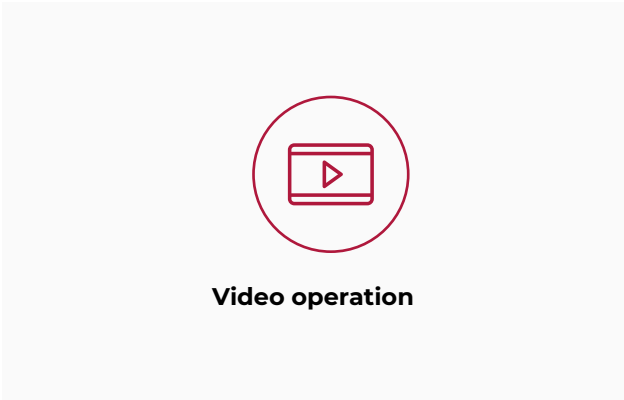
Seat height

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/m3 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.

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



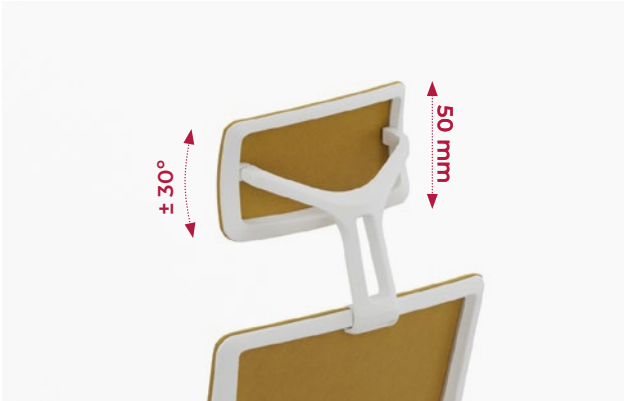
Arms 1D / Black



Arms 3D / White

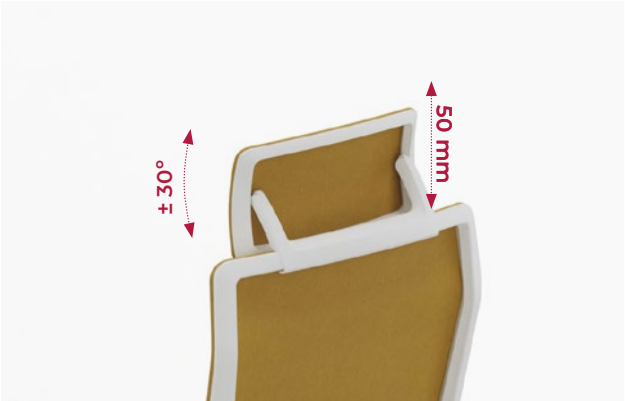


Arms 3D / Black



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



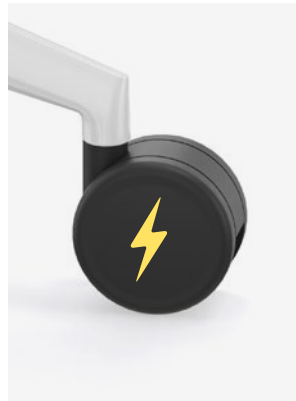
This system provides security according to standard EN 12529 as it avoids accidental movement of the chair. While sat on the chair, it moves easily.



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

White

Black

Bronze

Copper

Titanium

Polished

Polyamide

Black

Polypropylene

White

Black

Series 50 with tex backrest · Monocolor without thermosealed

Fabric AT · Basic F.R.

AT87

AT89

AT61

AT58

AT37

AT77

AT85

AT27

AT70

AT64

AT84

AT82

Fabric AE · Era

AE69

AE62

AE44

AE37

AE92

AE84

AE82

AE21

AE16

AE14

AE08

Fabric AI · Radio

AI66

AI53

AI58

AI44

AI42

AI90

AI89

AI25

AI23

AI13

AI08

Fabric AC · Chili

AC69

AC65

AC61

AC54

AC58

AC36

AC82

AC89

AC21

AC16

AC11

AC08

Series 50 with tex backrest · Monocolor with thermosealed

Fabric AO · Tonal

AO62

AO59

AO34

AO90

AO16

AO08

Fabric AD · Felicity

AD18

AD13

AD16

AD14

AD11

AD21

AD22

AD15

AD12

Fabric CM · Step & Step Melange

CM62

CM76

CM46

CM58

CM91

CM77

CM93

CM92

CM90

CM16

CM12

CM19

CM63

CM17

CM49

CM10

CM89

CM20

CM14

CM22

Series 30 with technical mesh backrest · Monochromatic

Technical mesh AL · Tale

BACKREST

AL62

AL59

AL34

AL90

AL16

AL08

SEAT

AO62

AO59

AO34

AO90

AO16

AO08

Technical mesh AS · String

BACKREST

AS30

SEAT

CM12

Technical mesh AH · Harlequin

BACKREST

AH12

SEAT

AH12

Technical mesh CQ · Spin

BACKREST

CQ46

CQ41

CQ40

CQ44

CQ43

CQ42

SEAT

CM76

CM91

CM90

CM16

CM22

CM12

Technical mesh AR · Rhythm

BACKREST

AR39

AR33

AR34

AR37

AR35

AR32

SEAT

AR39

AR33

AR34

AR37

AR35

AR32

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		
AL62	AL59	AL34	AL90	AL16	AL08	AS30			AH12		
Technical mesh CQ · Spin											
CQ49	CQ46	CQ41	CQ40	CQ44	CQ43	CQ42					
SEAT											

Fabric AT · Basic F.R.											
AT87	AT89	AT61	AT58	AT37	AT77	AT85	AT27	AT70	AT64	AT84	AT82
Fabric AE · Era											
AE69	AE62	AE44	AE37	AE92	AE84	AE82	AE21	AE16	AE14	AE08	
Fabric AI · Radio											
AI66	AI53	AI58	AI44	AI42	AI90	AI89	AI25	AI23	AI13	AI08	
Fabric AO · Tonal											
AO62	AO59	AO34	AO90	AO16	AO08						
Fabric AD · Felicity											
AD18	AD13	AD16	AD14	AD11	AD21	AD22	AD15	AD12			
Fabric BV · Valencia											
BV19	BV18	BV13	BV12	BV15	BV11	BV21	BV20	BV17	BV10		
Fabric CM · Step & Step Melange											
CM62	CM76	CM46	CM58	CM91	CM77	CM93	CM92	CM90	CM16	CM12	
CM19	CM63	CM17	CM49	CM10		CM89	CM20		CM14	CM22	
Fabric FA · Synergy											
FA16	FA13	FA18	FA25	FA27	FA11	FA17	FA20	FA22			
Fabric AC · Chili											
AC69	AC65	AC61	AC54	AC58	AC36	AC82	AC89	AC21	AC16	AC11	AC08

BACKREST

Technical mesh AR · Rhythm

AR39

AR33

AR34

AR37

AR35

AR32

SEAT

Technical mesh AR · Rhythm

AR39

AR33

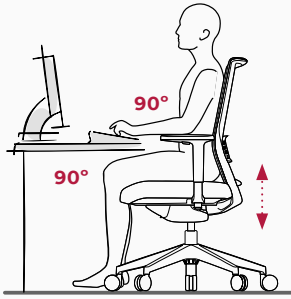
AR34

AR37

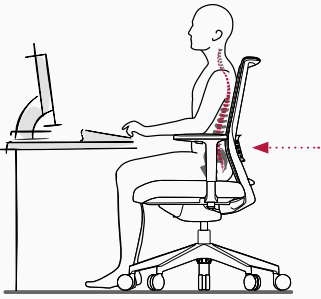
AR35

AR32

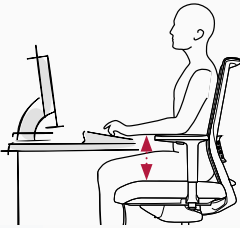
Ergonomics



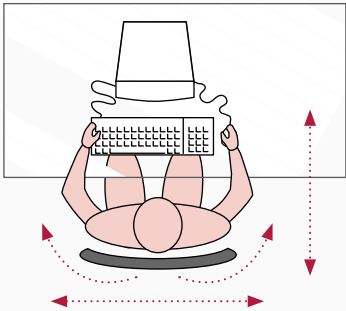
Seat height
The forearms should be parallel to the work surface, forming a right angle with the arm. With both feet flat on the floor, the knees should form an angle with the arm.



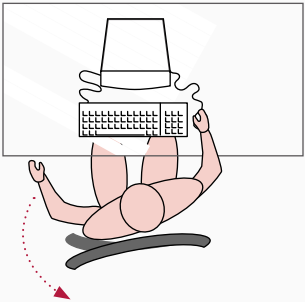
Lumbar adjustment
Adjust the height of the lumbar support to achieve full back support and proper weight distribution..



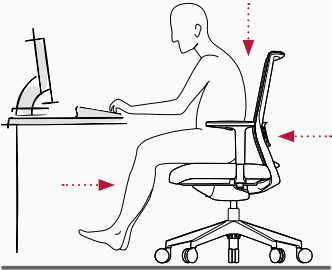
Adjustable arms (7 positions)
Place the arms in the lowest position to facilitate mobility. For static work, adjust the height and distance until the forearm is perfectly supported.



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.

Packs, weights & volumes

Model	Packs	Weights	Volumes
Tnk Flex · Medium backrest · Without arms	↓	↓	↓
Polyamide base	1	19,365 kg	0,2944 m³
Aluminum base		20,037 kg	
Tnk Flex · Medium backrest · With arms	↓	↓	↓
Polyamide base	1	21,858 kg	0,2944 m³
Aluminum base		22,617 kg	
Tnk Flex · High backrest · Without arms	↓	↓	↓
Aluminum base		19,76 kg	0,325 m³
Tnk Flex · High backrest · With arms	↓	↓	↓
Aluminum base		21,849 kg	0,325 m³

Ecodesign

Recycled materials	50,66%
Production	100%
Transportation	100%
Use	Muy facil
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. Part 1: Determination of dimensions.
UNE-EN 1335-3:2009	Office furniture. Office chair. Parte 2: 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

6

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

