

**TNK**

— 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



Lockable / unlockable at any position



Tension control knob

### 2 AIR COMFORT SYSTEM

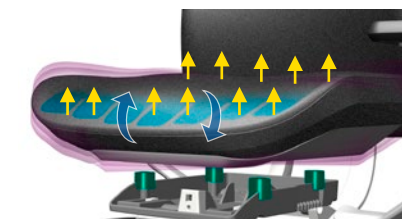
The seat foam has been designed with air chambers, that absorb pressure and decompress the foam in an adaptive and responsive way. This improves comfort, flexibility and provides for better pressure distribution



ACS

### 3 FLEXIBLE SHEETS

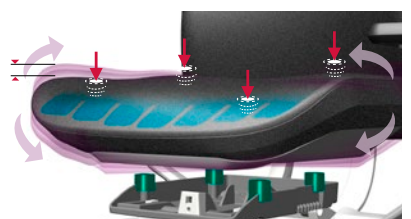
Ergonomically designed the seat is fully fitted with flexible sheets in the front and back that force the user to sit correctly thus, reducing tension in the muscles



Flexible sheet

### 4 360° SWING SEAT

The 360° oscillation system makes the seat accompany the movement of the user to any gesture or change of position. This system gives the negative seat angle a dynamic work position, bringing the back to a maximum ergonomic position.



360° swing seat

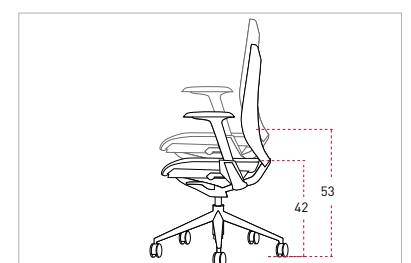
### 5 SEAT HEIGHT ADJUSTMENT

Height adjustment from 42cm to 53cm.

Seat height adjustment is controlled with a gas lift. The mechanism is activated by pressing handle (C) which is under the seat on the right hand side (sitting in the chair).



Seat Height Adjustment



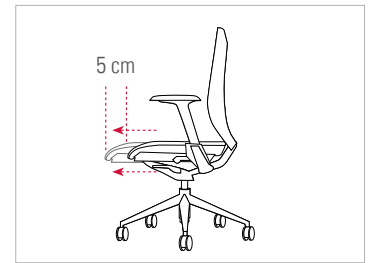
Maximum and minimum seat heights

## 6 SLIDING SEAT

Horizontal seat slide movement it is used to adjust the seat deep towards the back rest depending on the user's anthropometric characteristics. To activate the mechanism, press handle (D) placed in the right hand side, under the seat. Zipper system with 5 positions. The system includes an auto-return mechanism to return the seat to the back position when standing up while pulling the lever out.



Sliding seat lever

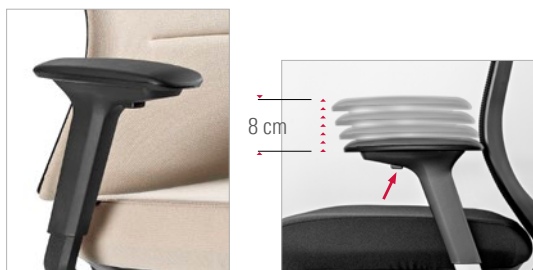


5 different positions.

## 7 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



Polypropylene arm with Hard armrest

Height

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



Polyurethane arm with Soft armrest

Height

Forward - Backward Width

## 8 LUMBAR ADJUSTMENT

Series 30 have lumbar support adjustment. Moves up and down by sliding (G) the control on both sides of the back.



TNK 30

## 9 CASTORS AND CAPS

Soft band 65 mm anti-skid castors in black finish. Optional Security castors with auto-lockable system, avoiding undesired chair movement (when sitting the castors move normally but when vacated the castors auto-lock). Black Polypropylene (PP) caps with antiskid rubber.



Black castor



Weight control castors



Antistatic castors

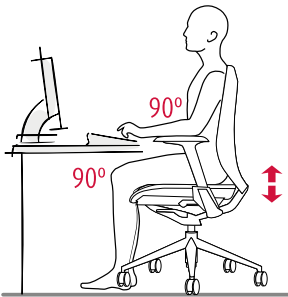


Black caps

**1 A correct posture at work to avoid physical problems**

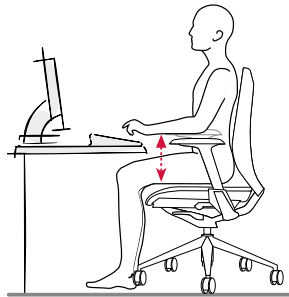
**Seat adjustment.**

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



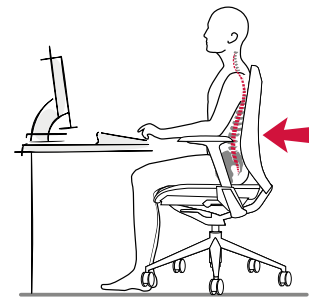
**Adjustable arms (5 positions)**

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.



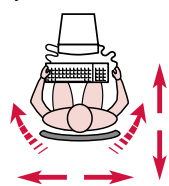
**2 Different ergonomics conditions and specific mobility for each task**

It is necessary to alternate daily dynamic and static tasks.

**Dynamic tasks.**

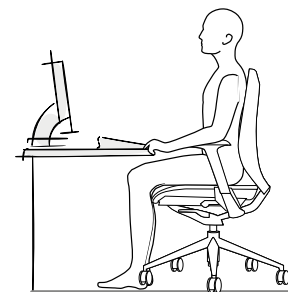
Document manipulation, communication and so on... Free the synchro mechanism and adjust weight and height. Place armrests in the lower position.

Dynamic tasks.



**Static work**

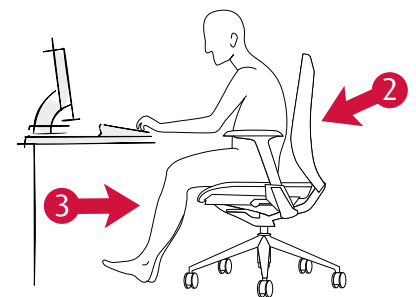
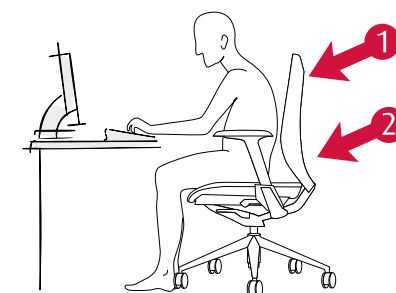
Document analysis and writing, intensive computer work... Blocked synchro mechanism and use armrests properly.



**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.

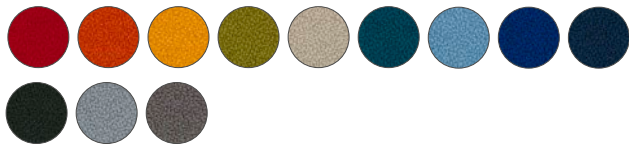




**UPHOLSTERED BACK AND SEAT**

**BACK AND SEAT**

Fabric T - Phoenix



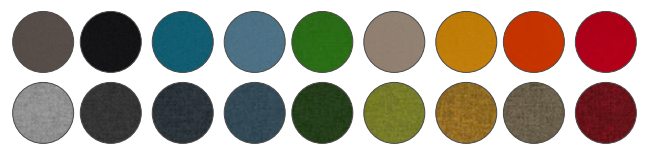
Fabric U - Laguna



Fabric P - Savana



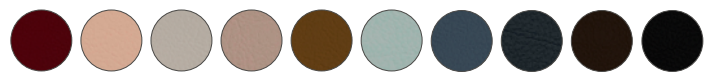
Fabric M - Melang & Step



Fabric D - Felicity



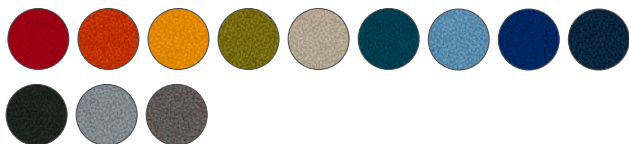
Fabric V - Valencia



**TEX BACKREST**

**BACKREST AND SEAT**

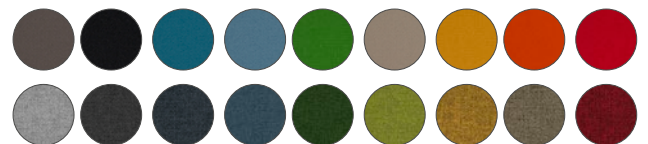
Fabric T - Phoenix



Fabric D - Felicity



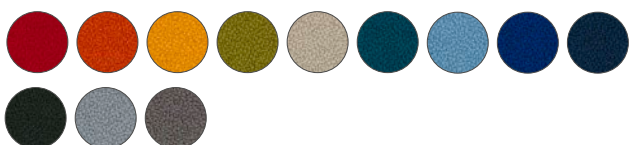
Fabric M - Melang & Step



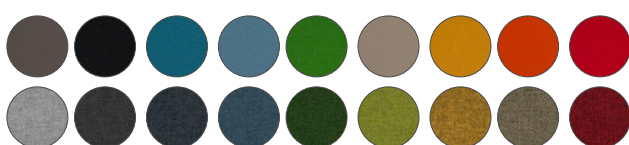
**TECHNICAL MESH BACK REST**

**SEAT**

Fabric T - Phoenix



Fabric M - Melang & Step



Fabric D - Felicity



**BACK**

Fabric R - Rhythm



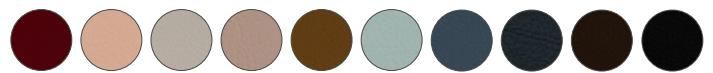
Fabric H - Harlequin



Fabric U - Laguna



Fabric V - Valencia



Fabric A - Synergy



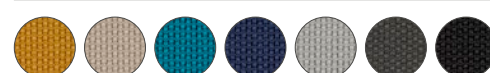
Fabric R - Rhythm



Fabric H - Harlequin



Fabric Q - Spin



■ DESCRIPTION

**Backrest** Moulded flexible foam PU flexible (75-80kg/m<sup>3</sup>) over steel metal frame Ø 6 x 1,5 mm thick Upholstered. Two different models, **headrest** or **without headrest**. Moulded polypropylene (P.P).

**Seat** with ACS technology, flexible sheets and 360° swing system which allows dynamic negative angle. Moulded flexible foam PU flexible (55-60kg/m<sup>3</sup>). Upholstered with easy clean fabrics. Height adjustable seat via gas lift. Depth seat adjustment seat (50 mm).

Height Adjustable **Arms (1D)**. PA+FV or aluminium cane. PP support. **Adjustable 3D arms in option**. PA+FV or aluminium cane. PUR support.

Moulded aluminium 5 star swivel **base**. Polyamide (PA6) castors and soft band TPU.

■ BACK AND SEAT

See finishes and fabric card previous page

■ BASES AND CASTORS



Silver aluminium mechanism  
Black polyamide base, 30% fibre glass - 67,5 cm  
Black anti-skid castor - 65 mm



Black aluminium mechanism  
Black aluminium base - 67,5 cm  
Black anti-skid castor - 65 mm



Silver aluminium mechanism  
Silver aluminium base - 67,5 cm  
Black anti-skid castor - 65 mm



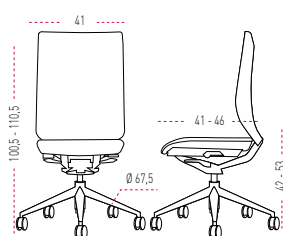
Polished aluminium mechanism  
Polished aluminium base - 67,5 cm  
Black anti-skid castor - 65 mm

■ SIZES

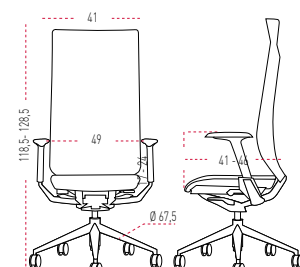
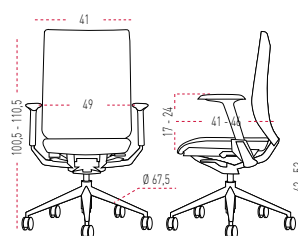
Total height: from 1.005 to 1.105 mm	Seat height: from 420 mm to 530 mm
Total width: 675 mm	Seat width: 490 mm
Total depth: 675 mm	Seat depth: from 410 mm to 460 mm

- ① Moulded foam PU flexible 40kg/m<sup>3</sup>
- ② Arm options: aluminum or PA. 3D or basic (1D) regulation.
- ③ ACS technology. Flexible sheets and 360° swing seat which allows dynamic negative angle.
- ④ Patented synchro-evolutive knee-tilt mechanism. 4 positions
- ⑤ Gas lift
- ⑥ Moulded aluminium 5 star base
- ⑦ Anti-skid castors. Polyamide (PA6). Soft band TPU

Total height: from 1.185 to 1.285 mm	Seat height: from 420 mm to 530 mm
Total width: 675 mm	Seat width: 490 mm
Total depth: 675 mm	Seat depth: from 410 mm to 460 mm



medium back



high back with headrest

\*Measures according to UNE-EN 1335-1



**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.

**45,82%**  
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.

**95,04%**  
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 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 1335-1:01.** Office Furniture. Office chair. Part 1: Dimensions.
- **UNE-EN 1335-2:01.** Office Furniture. Office Chair. Part 2: Security requirements
- **UNE-EN 1335-3:01.** Office Furniture. Office chair. Part 3: Security essays.
- **BS 5459-2:2008.** Specification for performance requirements and tests for office furniture. Office pedestal seating for use by persons weighing up to 150 kg. and for use up to 24 hours a day, including type-approval tests for individual components.

■ DESCRIPTION

**Backrest**, polyamide (glass fibre) frame. Upholstered with foamized fabric composed of polyurethane foam 5mm + fabric "T" or 10mm polyurethane foam + fabric M. Optional PP lumbar support.

**Seat** with ACS technology, flexible sheets and 360° swing system which allows dynamic negative angle. Moulded flexible foam PU flexible (55-60kg/m<sup>3</sup>). Upholstered with easy clean fabrics. Height adjustable seat via gas lift. Depth seat adjustment seat (50 mm).

Height Adjustable **Arms (1D)**. PA+FV or aluminium cane. PP support.

**Adjustable 3D arms in option**. PA+FV or aluminium cane. PUR support.

Moulded aluminium 5 star swivel **base**. Polyamide (PA6) castors and soft band TPU.



■ BACK

See finishes and fabric card previous page

■ SEAT

**Fabric:** Group T, M-Melange, F-Atlantic, N-Napel and H-Harlequin (See finishes and fabric card previous page)

■ BASES AND CASTORS



Silver aluminium mechanism  
Black polyamide base, 30% fibre glass - 67,5 cm  
Black anti-skid castor - 65 mm



Black aluminium mechanism  
Black aluminium base - 67,5 cm  
Black anti-skid castor - 65 mm



Silver aluminium mechanism  
Silver aluminium base - 67,5 cm  
Black anti-skid castor - 65 mm



Polished aluminium mechanism  
Polished aluminium base - 67,5 cm  
Black anti-skid castor - 65 mm

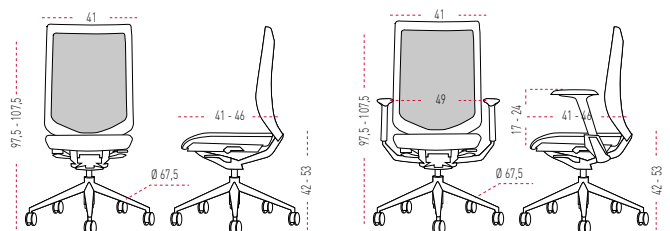
- ① Polyamide frame manufactured with glass fibre
- ② Moulded Flexible foam back rest.
- ③ Arm options: aluminum or PA. 3D or basic (1D) regulation.
- ④ ACS technology. Flexible sheets and 360° swing seat which allows dynamic negative angle
- ⑤ Patented synchro-evolutive knee-tilt mechanism. 4 positions
- ⑥ Gas lift
- ⑦ Moulded aluminium 5 star base
- ⑧ Anti-skid castors. Polyamide (PA6). Soft band TPU

■ SIZES

- Total height: 975 to 1.090 mm
- Total width: 675 mm
- Total depth: 675 mm
- Seat height: from 420 mm to 530 mm
- Seat width: 490 mm
- Seat depth: from 410 mm to 460 mm

\*Measures according to UNE-EN 1335-1

■ SIZES







**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.

**64,19%**  
RECYCLED  
MATERIALS



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**DISPOSAL**

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

**93,57%**  
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MATERIALS

**■ CERTIFICATES AND REFERENCES**

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The mark of responsible forestry



EN ISO 14006:2011  
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  
LEED® Gold certified 2011 - LEED® Platinum certified 2017

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- **UNE-EN 1335-3:01.** Office Furniture. Office chair. Part 3: Security essays.

■ DESCRIPTION

**Back rest**, polyamide (glass fibre) frame, elastic technical mesh composed by 64% polyester and 36% polyamide. Breathable. Moulded polypropylene (P.P). Optional PP lumbar support.

**Seat** with ACS technology, flexible sheets and 360° swing system which allows dynamic negative angle. Moulded flexible foam PU flexible (55-60kg/m<sup>3</sup>). Upholstered with easy clean fabrics. Height adjustable seat via gas lift. Depth seat adjustment seat (50 mm).

Height Adjustable **Arms (1D)**. PA+FV or aluminium cane. PP support. **Adjustable 3D arms in option**. PA+FV or aluminium cane. PUR support.

Moulded aluminium 5 star swivel **base**. Polyamide (PA6) castors and soft band TPU.

■ BACK

**Fabric:** NET, PLUS, STRING, Group H-Harlequin, (See finishes and fabric card previous page)

■ SEAT

See finishes and fabric card previous page

■ BASES AND CASTORS



Silver aluminium mechanism  
Black polyamide base, 30% fibre glass - 67,5 cm  
Black anti-skid castor - 65 mm



Black aluminium mechanism  
Black aluminium base - 67,5 cm  
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Silver aluminium mechanism  
Silver aluminium base - 67,5 cm  
Black anti-skid castor - 65 mm



Polished aluminium mechanism  
Polished aluminium base - 67,5 cm  
Black anti-skid castor - 65 mm

■ SIZES

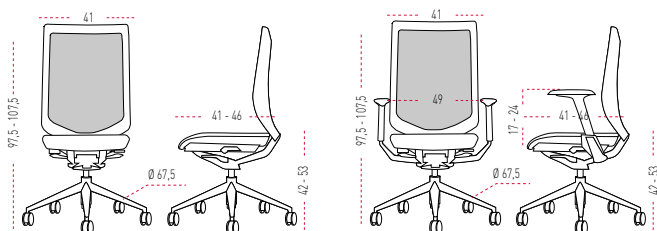
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EN ISO 14006:2011  
ECODESIGN Certificate



UNE-EN ISO 9001:2008  
ISO 9001 Certificate



UNE-EN ISO 14001:2004  
ISO 14001 Certificate



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