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

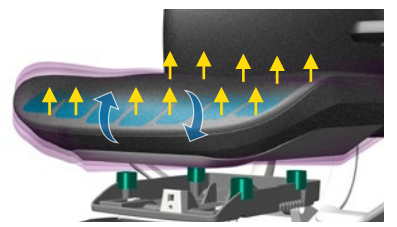
2 AIR COMFORT SYSTEM

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

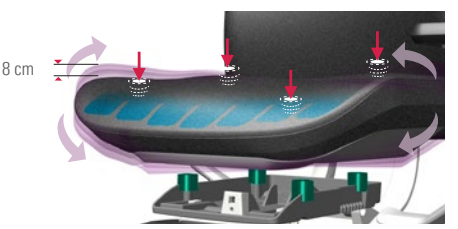
3 FLEXIBLE SHEETS

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


Flexible sheet

4 360º SWING SEAT

The 360º 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.



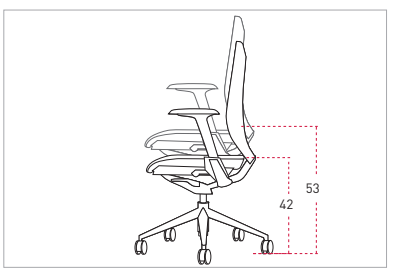
360º swing seat

5 SEAT HEIGHT ADJUSTMENT

Heigth 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

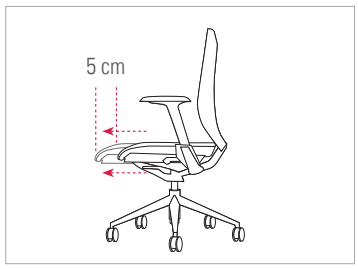


Maximum and minimum seat heights

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



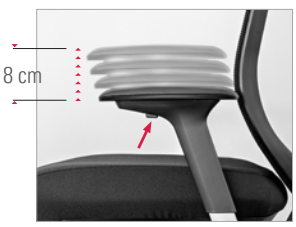
5 different positions.

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

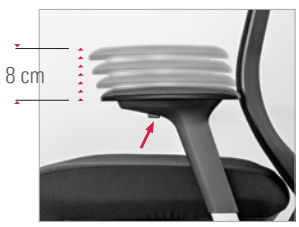
Polypropylene arm with Hard armrest



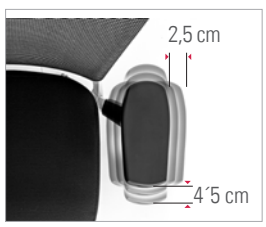
Height

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

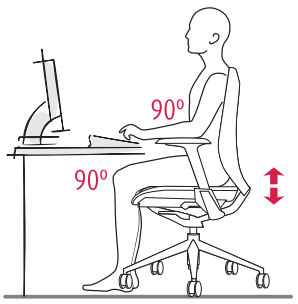
Black caps

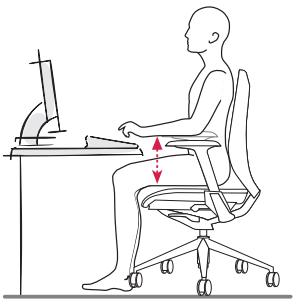
1 A correct posture at work to avoid physical problems

Seat adjustment.
Forearms must be parallel to the desk top as in a right angle with the rest of the arm. Both feet must be 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.





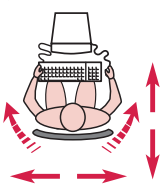
2 Different ergonomics conditions and specific mobility for each task

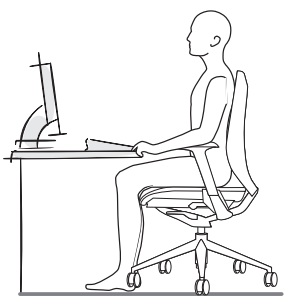
It is necessary to alternate daily dynamic and static tasks.

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

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

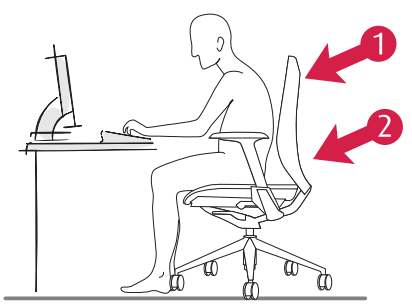
Dynamic tasks.

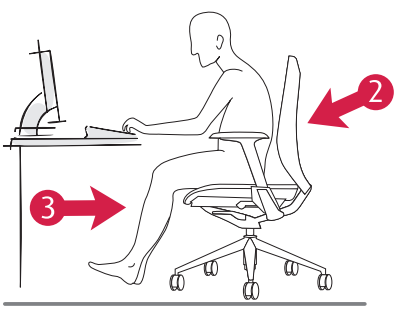




3 Incorrect Postures

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.





STRUCTURE

Steel

Polyamide

FABRIC - BACK & SEAT

TNK 20 / UPHOLSTERED BACK REST

MONOCHROMATIC / Each colour matches the same colour of the seat

Fabric T

T85 T77 T37 T27 T70 T58 T61 T89 T87

T82 T64 T84

Fabric U

U15 U21 U20 U22 U25 U23 U24 U19 U17

U14 U12

Fabric V

V15 V11 V20 V21 V12 V13 V18 V19 V17 V10

Fabric M

M16 M92 M12 M76 M62 M58 M46 M90 M91

M77 M93

M14 M22 M19 M17 M63 M10 M49 M20 M89

Fabric P

P10

TNK 50 / BACK REST UPHOLSTERED TEX

MONOCHROMATIC / Each colour matches the same colour of the seat

Fabric T

T85 T77 T37 T27 T70 T58 T61 T89 T87 T82 T64 T84

Fabric M

M16 M92 M12 M76 M62 M58 M46 M90 M91 M77 M93

M14 M22 M19 M17 M63 M10 M49 M20 M89

TNK 30 / TECHNICAL NET MESH BACK REST

MONOCHROMATIC / Each colour matches the same colour of the seat

	Technical mesh H	Technical mesh Q
BACK	H12	Q42 Q46 Q40 Q41 Q43 Q44
SEAT	H12	M12 M76 M90 M91 M22 M16

TWO COLOURED / The back colours match the seat in black

	Technical mesh Q
BACK	Q42 Q49 Q46 Q40 Q41 Q43 Q44
SEAT	M12 T82 V10

TWO COLOURED / The black back match the seats in different seat ranges

	Technical meshH
BACK	H12

SEAT

Fabric T

T85 T77 T37 T27 T70 T58 T61 T89 T87 T82 T64 T84

Fabric M

M16 M92 M12 M76 M62 M58 M46 M90 M91 M77 M93

M14 M22 M19 M17 M63 M10 M49 M20 M89

Fabric U

U15 U21 U23 U24 U19 U17

U20 U22 U25 U14 U12

	Technical mesh Q
BACK	Q42

SEAT

Fabric M

M16 M92 M12 M76 M62 M58 M46 M90 M91 M77 M93

M14 M22 M19 M17 M63 M10 M49 M20 M89

DESCRIPTION

Backrest Moulded flexible foam PU flexible (75-80kg/m^3) 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 360º swing system which allows dynamic negative angle. Moulded flexible foam PU flexible (55-60kg/m^3). 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

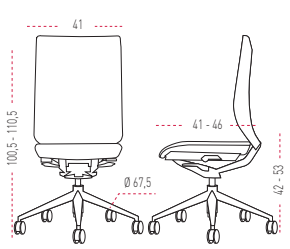
Polished aluminium mechanism
Polished aluminium base - 67,5 cm
Black anti-skid castor - 65 mm

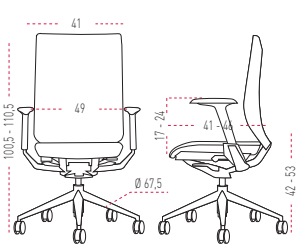
1. Moulded foam PU flexible 75-80kg/m^3
2. Arm options: aluminum or PA. 3D or bacic (1D) regulation.
3. ACS technology. Flexible sheets and 360º swing seat which allows dynamic negative angle.
4. Patented synchro-evolutive knee-tilt mechanism. 4 positions
5. Gas lift
6. Moulded aluminium 5 star base
7. Anti-skid castors. Polyamide (PA6). Soft band TPU

SIZES

Total height: from 1.005 to 1.105 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

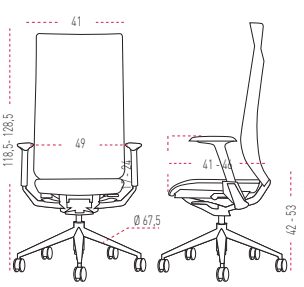




medium back

Total height: from 1.185 to 1.285 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



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).

FSC www.fsc.org FSC® C106678
The mark of responsable forestry

AENOR Ecodiseño ED-0011/2010
EN ISO 14006:2011
ECODESIGN Certificate

AENOR Empresa Registrada ER-0597/2001 · IQNet Certified Quality System
UNE-EN ISO 9001:2008
ISO 9001 Certificate

AENOR Gestión Ambiental GA-2003/0202 · IQNet Certified Management System
UNE-EN ISO 14001:2004
ISO 14001 Certificate

U.S. Green Building Council LEED Platinum USGBC
ACTIU TECHNOLOGY PARK
LEED® PLATINUM certified by USGBC
Leadership in Energy & Environmental Design
LEED® Gold certified 2011 · LEED® Platinum certified 2017

Certified B Corporation

STANDARDS
TNK has passed tests done in our technical department as well as the tests done in **AIDIMME** the Technological Institute for furniture.

The tests correspond to:

Operative chairs standards applied since 2009

- **UNE-EN 1335-2:2001.** Office Furniture. Office Chair. Part 2: Security requirements
- **UNE-EN 1335-3:2001.** 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. Uphosltered 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 360º swing system which allows dynamic negative angle. Moulded flexible foam PU flexible (55-60kg/m^3). 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: 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 bacic (1D) regulation.
4. ACS technology. Flexible sheets and 360º 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

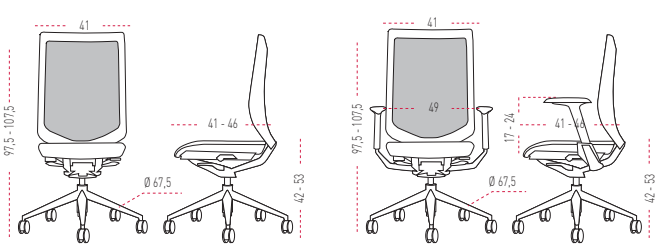
SIZES

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

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.

93,57% 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).

FSC www.fsc.org FSC® C106678 — The mark of responsable forestry

AENOR Ecodiseño ED-0011/2010 — EN ISO 14006:2011 ECODESIGN Certificate

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- **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

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 360º swing system which allows dynamic negative angle. Moulded flexible foam PU flexible (55-60kg/m^3). 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

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*Measures according to UNE-EN 1335-1

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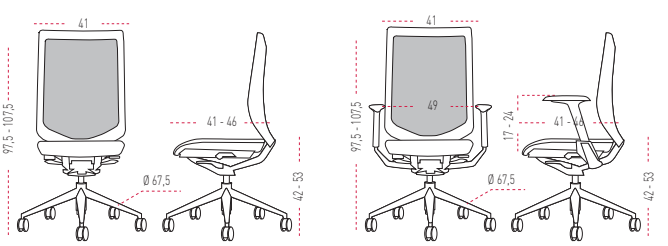

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