LINK

__By ITEMDesign Works__

Javeir Cuñado

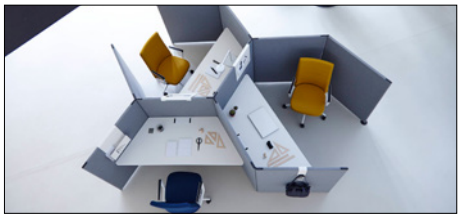
WHAT IS LINK?

The new trends in office design suggest combining privacy with open and collaborative offices , where creativity and communication flow in a natural way. This evolution in the way of understanding work environments lead us to the need to adapt the furniture so that it is flexible and versatile

With this aim, the studio ITEM designworks designed LINK, a modular system which creates and configures spaces of different heights that enables endless design possibilities to adapt work spaces to every need.

´LINK enables you to create new spaces within offices and change them swiftly. It is a light, different program with personality. It works to complement and act as a transition between more individual areas of the office and other more open and collective places. To do this and by means of accessories that make it more operative and dynamic,LINK can combine modular sofas, operative desks and other accessories which expand the possibilities within the office, with the aim to stimulate efficiency of people through comfort and change.´says Javier Cuñado, designer of ITEM designworks.

WHAT LINK IS COMPOSED OF?



PANELS

Link PANELS are a modular system for creating spaces from panels of 130 and 170 cm height, with widths of 69, 80 and 102cm. The panels are clad in upholstery in different finishes. The simultaneous composition of panels allows great configuration possibilities.

JOINTS

The joint system consists of two elements.A superior joint piece and a lower joint piece which also incorporates a leveler. The joints are made of cast aluminum with epoxy paint in black. The joint system is designed to high strength and durability.

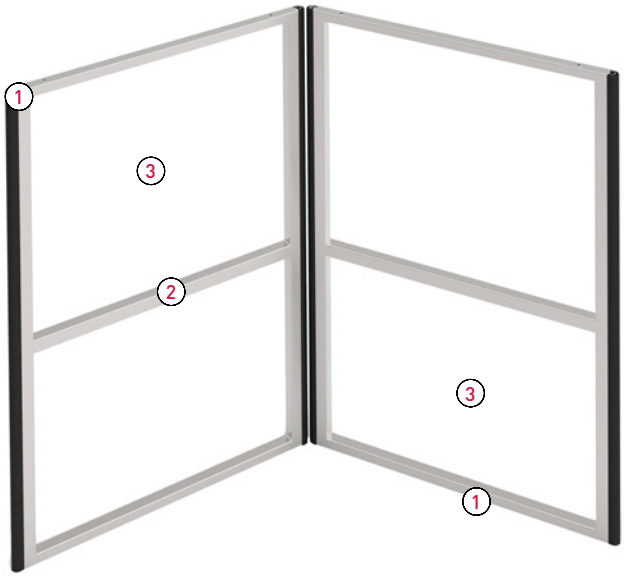
TABLES

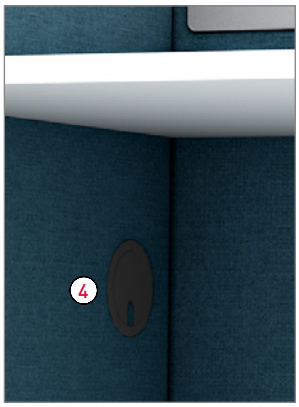
The tables, made of melamine board 25mm thickness to configure modulations jobs in both 90 and 120 °. The tables incorporate standard height adjustment system, with a minimum height of 74 cm and 82 cm, divided in 5 positions. In addition, all tables incorporate the new access to wiring "**push latch**" that allows access to more quickly and conveniently.

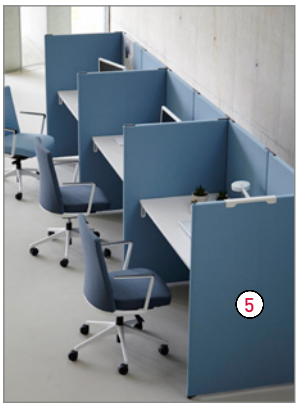
ACCESSORIES

These are made of folded 1.5 mm steel, finished in epoxy paint, textured white with a unique design, optional accessories, allowing higher performance and provides comfort in the workplace.

1. LINK PANELS







DESCRIPTION

Metal structure, on which are placed sound-absorbing panels

There are 4 types of panels:

- Finished or extended panel without placement of the table.
- Panel for placement of 1-sided table.
- Panel for placement of 2-sided table with grommets.
- Panel with height change.

TECHNICAL CHARACTERISTICS

(1) Steel perimeter structure.

(2) Central structure made of steel for elements anchored to the height of the table

(3) Placement area of absorbing panels 30 mm thick.

(4) Circular grommets Ø80 mm with access on both sides of the panel.

(5) Cover upholstered in different finishes (See finishes card).

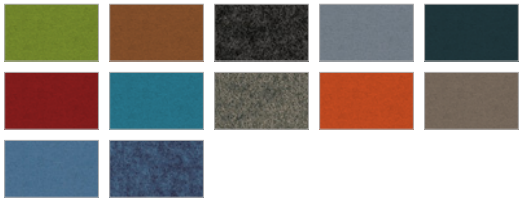
FINISHES

GROUP "M" - MELANGE

DESK BOARDS

JOINTS

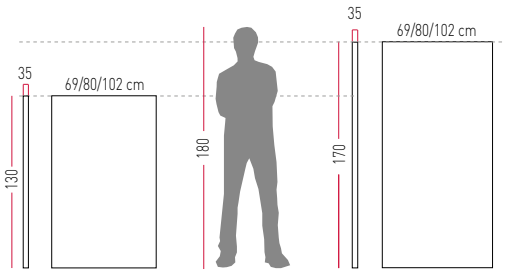
GROUP "B" - BLAZER



ACCESSORIES

PANELS. TYPES AND DIMENSIONS

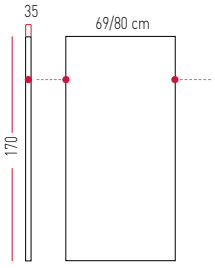
END AND GROWTH PANELS



heigh of 130 cm panel

heigh of 170 cm panel

PANELS FOR CHANGE OF HEIGHT



heigh of 130 cm panel

TYPES OF PANELS:

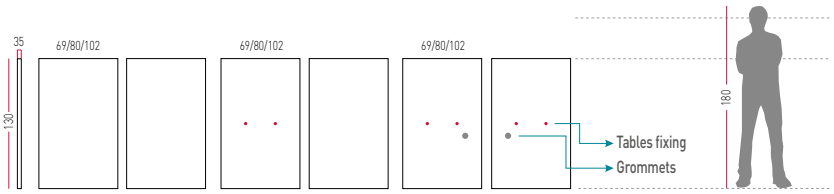
- Extendable panels in the same height, 2 heights available:
  - Height of 130 cm.
  - Height of 170 cm.
- Extendable panels with change of height, 1 height available:
  - Height of 170 cm (for changing height to 130 cm)

All Link panels are available in 3 widths:

- Width of 69 cm. **(only for front panels)**
- Width of 80 cm.
- Width of 102 cm.

LINK PANELS - END AND GROWTH MODULES

End and growth modules 130 cm high

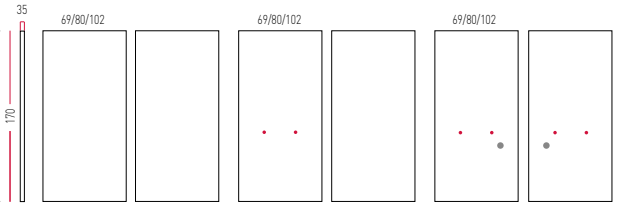


LK1311
Without placement of the table

LK1312
Placement of the table 1 sided

LK1313
Placement of the table 2 sided

End and growth modules 170 cm high



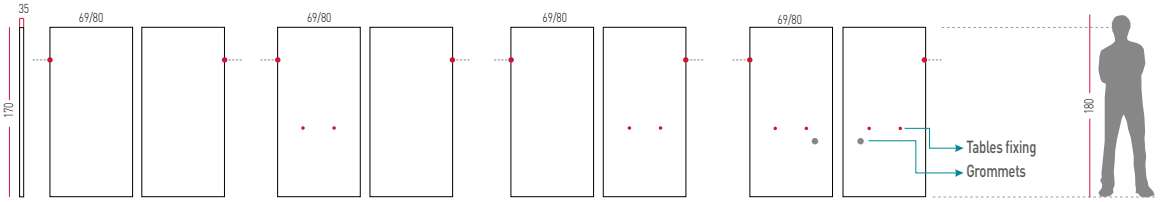
LK1711
Without placement of the table

LK1712
Placement of the table 1 sided

LK1713
Placement of the table 2 sided

LINK PANELS - MODULES FOR HEIGHT CHANGE

Modules For Height Change - 170 cm high



LK1731
Without placement of the table

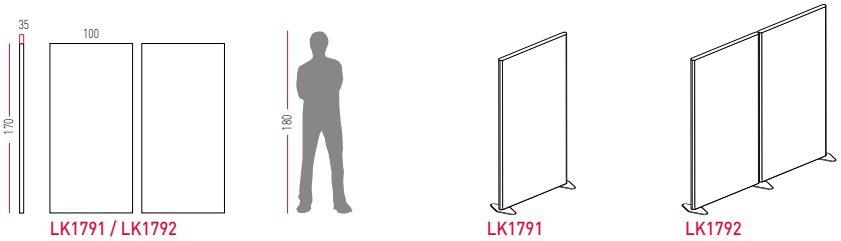
LK1732
Placement of the table 1 sided

LK1734
Placement of the table 1 sided

LK1733
Placement of the table 2 sided

LINK PANELS - INDEPENDENT MODULES

Independent Modules - 170 cm high

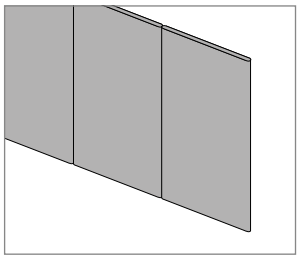


LK1791 / LK1792
Without placement of the table

LK1791
1 Independent Pane

LK1792
2 Independents panel

LINK TYPE PANELS



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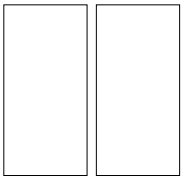
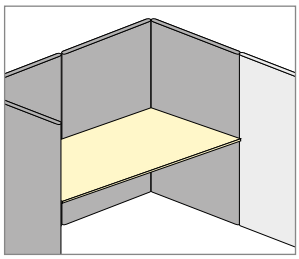


PANELS WITHOUT ANCHORAGE SYSTEM OF THE TABLE

Panels that enable the system of anchoring tables from none of its two sides. Available:

- Growth or end panels in 130 cm or 170 cm height.
- Panels to change from 170cm height.



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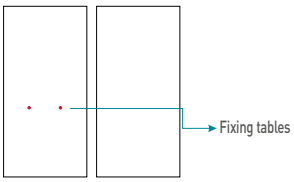
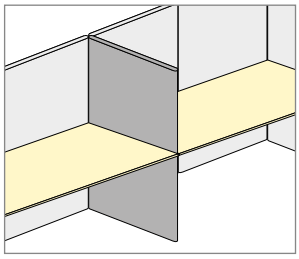


PANELS WITH THE PLACEMENT OF THE TABLE ON ONE SIDE

Panels that enable the system of anchoring tables on one side. The other side doesn't have the anchorage system.

- Growth or end panels in 130 cm or 170 cm height.
- Panels to change from 170 cm height.



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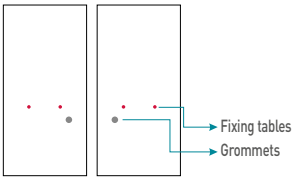
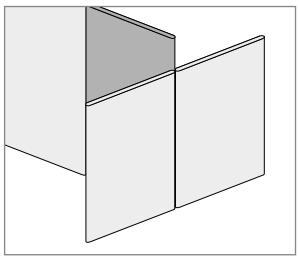


PANELS WITH THE PLACEMENT OF THE TABLE ON TWO SIDES

Panels that enable the system of anchoring tables on two sides

- Growth or end panels in 130 cm or 170 cm height.
- Panels to change from 170cm height.



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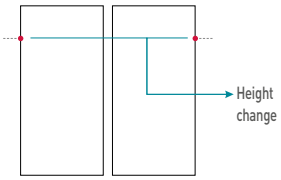
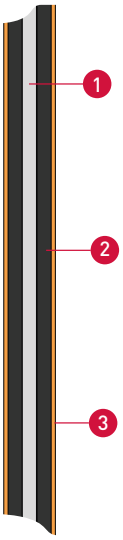


PANELS WITH A HEIGHT CHANGE (Always at 90º)

Panels of 170 cm height, which enables height changes in combinations with panels of 130 cm height. Availability:

- Panels of 170 cm without an anchorage system of a table.
- Panels of 170 cm height with an anchorage system of a table on 1 side.
- Panels of 170 cm height with an anchorage system of a table on 2 sides.

ACOUSTICS



1. 10 mm thick **Chipboard**
2. **Foam** thickness e= 10 mm and 60 Kg/m^3 (e_{total}= 40 mm) density
3. **decorative fabric** adhesives with glue to water

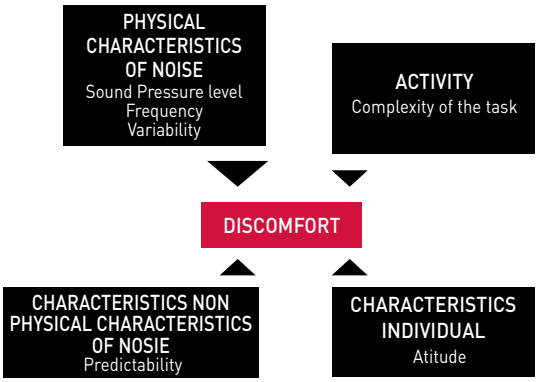
- Possibility of sound **proofing and/or fireproof fabrics,** optional for projects

Actiu upholstered Index		
● **GROUP "B"**	BLAZER	Good sound absorption
● **GROUP "M"**	MELANGE	Average sound absorption **M1** fire

● **Finishes offered in Price List**

CAUSES OF ACOUSTIC DISCOMFORT

Attitude of the subject. Of its acceptability or not.
Physical characteristics of noise
· Types of tones. Pure tones (those that do not vary in frequency) more annoying than the compounds. Even more when aired on audible frequencies (500 – 2000 Hz)
· Frequency. More annoying high frequencies than low ones.
· Randomness. The variation in noise annoyance increases.
Non physical characteristics. Most annoying noise the less prdictable.
Type of activity. Greater discomfort the greater need of concentration.



ACOUSTIC ERGONOMICS AND COMFORT

Acoustic comfort is the sound level that does not disturb or bother or cause any harm direct to health.

ORIGIN OF ACOUSTIC DISCOMFORT

· eam working and equipment: photocopiers, CPU´s, air conditioning, telephones...
· Open officespoorly designed with overstaffing
· External noise due to poor insulation of the building

CONTROL MEASURES

Controlling noise within teams
· Install printers and faxes in remote rooms and areas
· Using silent office equipment, by adding insulated housing
· Lower the intensity of telephones and communication devices
· Use doors with spring systems....

Control the noise within ventilation and air conditioning

Avoid noise transmission between units using insulating the walls

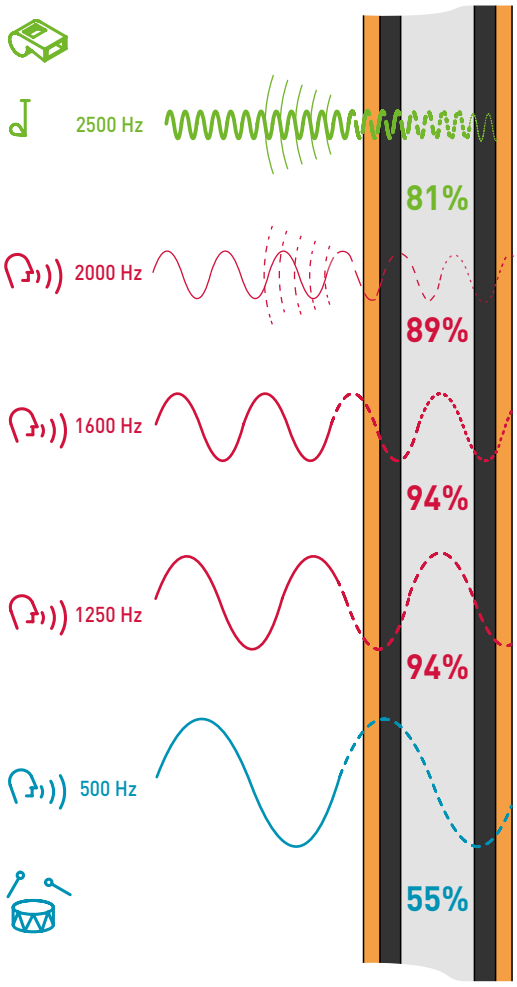
In the propagation medium it is recomended:
· Place sound absorbing materials in the walls, ceilings and floors
· Surfaces that do not reflect too much. (Reverbatation Time ⩽ 1 seg)
· Place absorbent panels between desks and workstations
· Provide office furniture that improves the acoustic behaviour of space, hollow ceilings, carpeted floor, upholstered chairs....
· Respect the local occupancy according to its volumen and its use
· Achieve quiet habits of conduct and communication

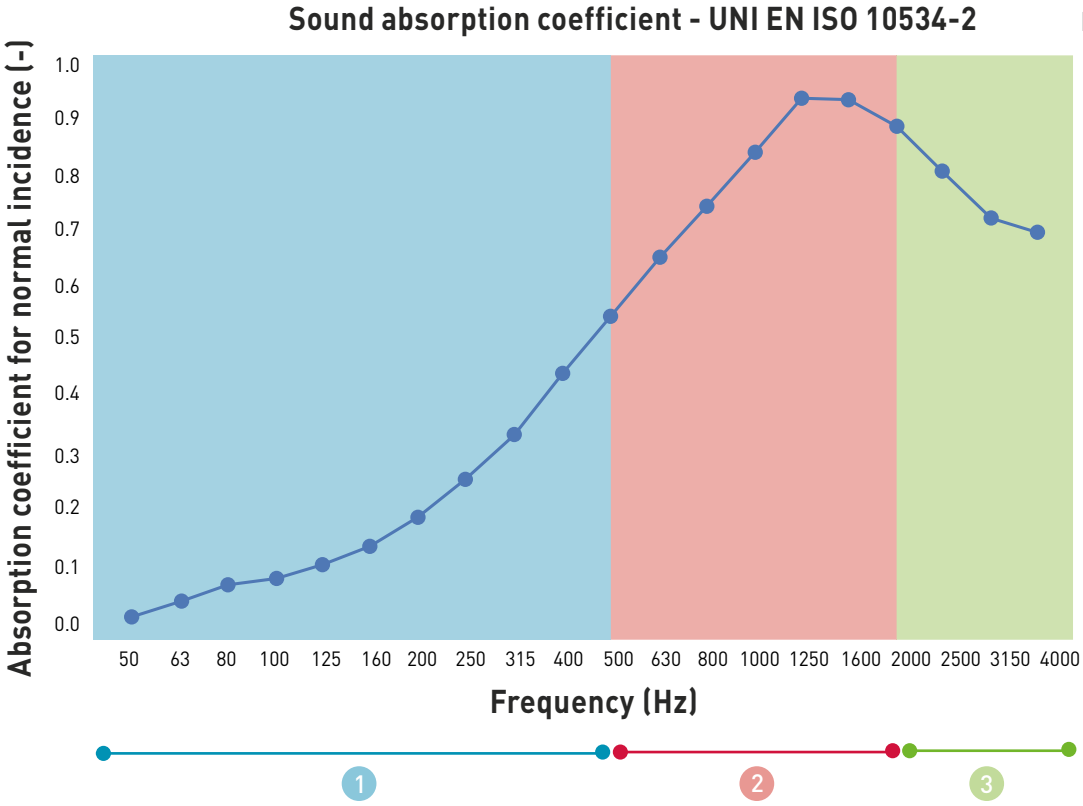
The graphics and image show how the panels, using Snowsound® technology, affect the acoustics of a room:

1. Notwithstanding the reduced thickness they do relatively well in absorbing the low frequencies (below 500 Hz), those that characterise deep sounds that are normally more difficult to dampen;

2. They absorb very well the midrange frequencies (between 500 and 2,000 Hz), those typical of the human voice and generally in all workplaces;

3. They tend to reflect,gradually absorbing less of the high frequencies (above 2,000 Hz), those which by their nature are already in large part absorbed by the walls, the furnishings and by the very presence of people.The result thus obtained is a comprehensive, natural balance of sounds in the environment.





Frequency (Hz)	αn [-]
50	0,01
63	0,04
80	0,07
100	0,08
125	0,10
160	0,14
200	0,19
250	0,26
315	0,34
400	0,45
500	0,55
630	0,65
800	0,75
1000	0,84
1250	0,94
1600	0,94
2000	0,89
2500	0,81
3150	0,73
4000	0,70

The sound absorption coefficientfor normal incidence was calculated in Kundt's tube prepared according to the standard **UNI EN ISO 10534-2**, test executed by Materiacustica, a spin-off company of the University of Ferrara.

2. SYSTEMS OF LINK JOINTS

The joint system consists of two elements. A superior joint piece and a bottom piece which also incorporates an leveler. The joints are made of cast aluminum painted with black epoxy. The joint system is designed to obtain high strength, durability and structural fixation

Superior joining piece

Lower joining piece

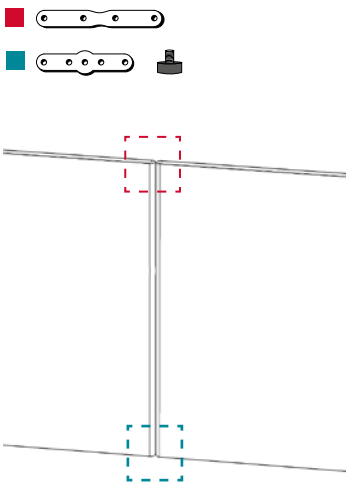
TWO TYPES OF JOINTS

Pieces for joining panels of the **same height.**

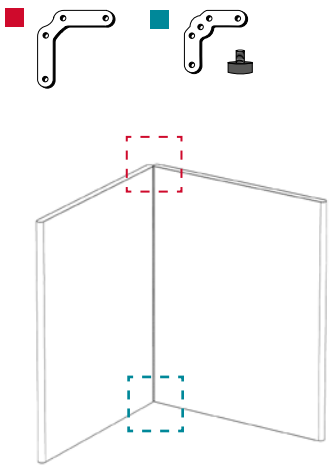
Pieces for joining panels of **different heights.**

ANCHORAGE SYSTEMS FOR CONFIGURATIONS OF THE **SAME HEIGHT**

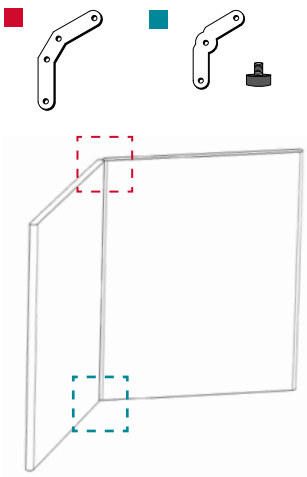
LK61
Progressive straight line pack - 2 modules



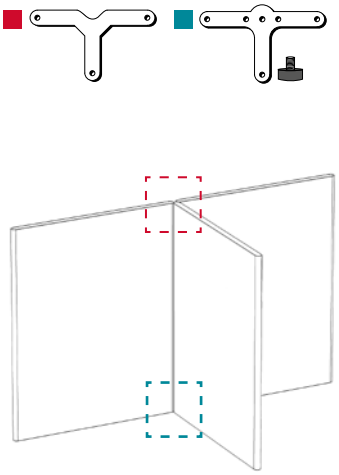
LK41
Progressive angle of 90º pack - 2 modules



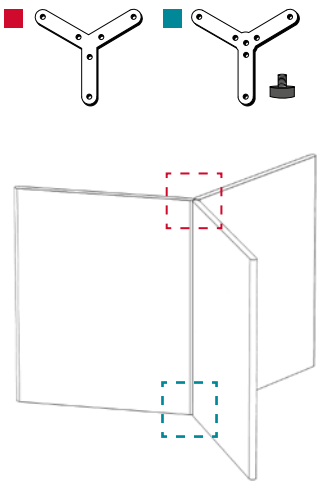
LK51
Progressive angle of 120º pack - 2 modules



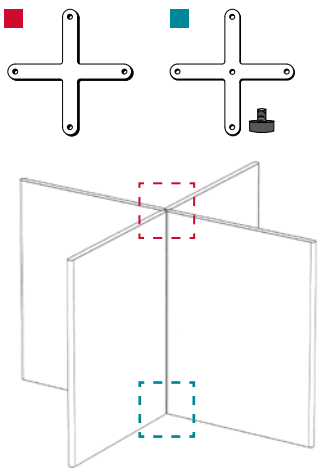
LK31
Progresive pack for "T" joint - 3 Modules



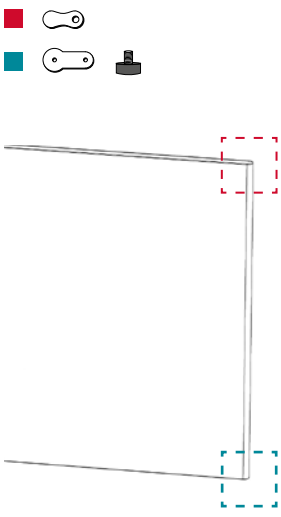
LK11
Progresive pack for "Y" joint - 3 Modules



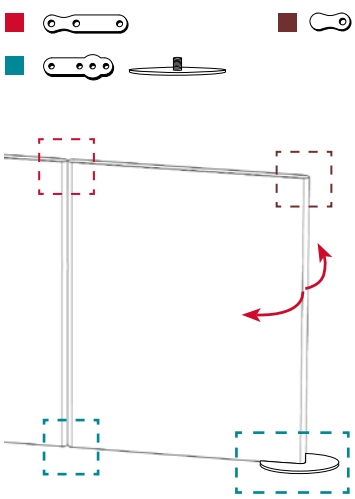
LK21
Progressive pack for 4 panels of 90º - 4 modules



LK81
Extreme end Pack - 1 module
End trim for workstations layouts (hexagonal or straight workstations)



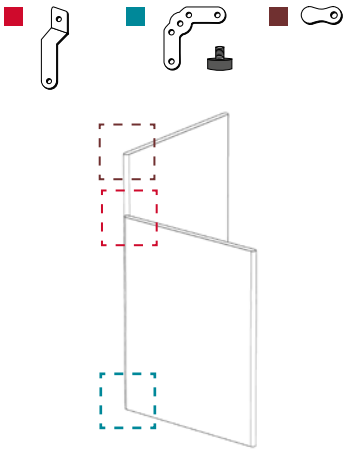
LK71
End pack with 180º rotation - 2 modules



ANCHORAGE SYSTEMS FOR CONFIGURATIONS OF HEIGHT **CHANGE**

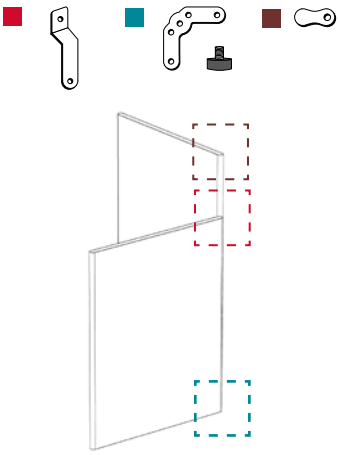
LK101

Progressive pack with a height change with a rotation of 90º - 2 modules. Change of height to the right



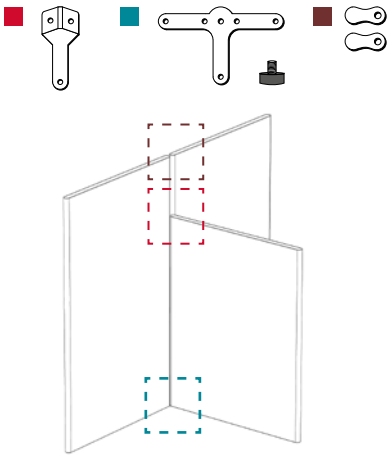
LK201

Progressive pack with a height change with a rotation of 90º - 2 modules. Change of height to the left.



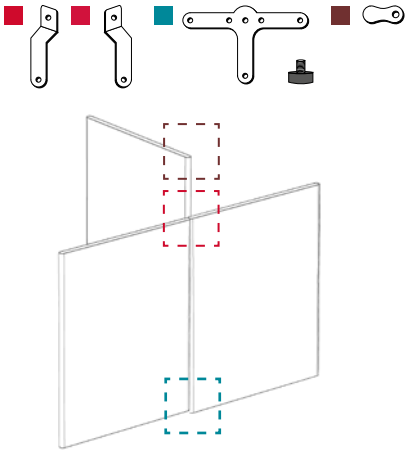
LK91

Progressive pack wit a height change with a rotation in "T" - 3 modules.



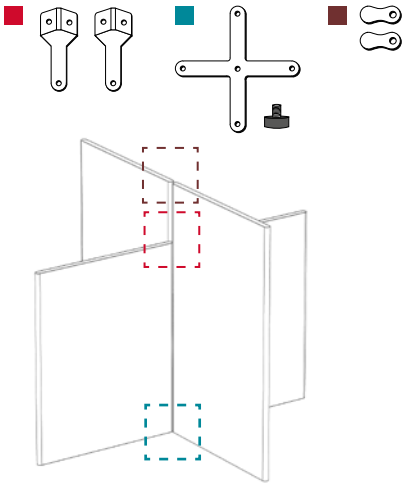
LK92

Progressive pack wit a height change with a rotation in "T" - 3 modules



LK202

4 panels with a 90º rotation - 4 modules



3. WORK DESKS FOR LINK

TABLES

Melamine of 90 and 120 gr. / M2, on chipboard made from certified PEFC 25 mm thickness. PVC edges 2mm thickness, applied with a hot melt glue and rounded R = 2 mm. With high durability and 100% recyclable.

00 WHITE

11 LIME OAK

07 CHESNUT

HEIGHT REGULATION

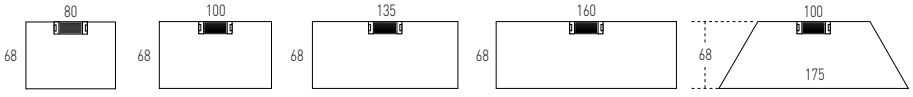
The LINK tables incorporates as standard a system which adjusts mechanical height. It allows the modification of the height of a table from 74 cm to 82 cm in 5 intervals. The system is anchored at 4 points which ensures maximum stability and resistance.
The possibility of carrying out a fixed anchorage system for projects exists, please consult with the Commercial Department.

CABLING ACCESS "T"

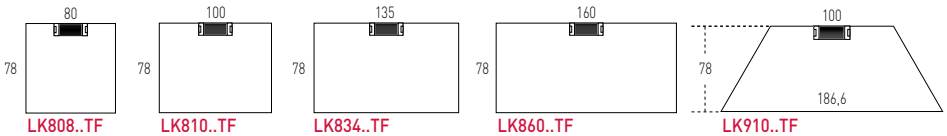
Access system of cabling with an opening system. **"Push-Latch"** incorporated as standard on all surfaces. Made from White or Black ABS, it facilitates cable management channels using electrification. It also incorporates an **"Anti Dust"** system that prevents the accumulation of dust in the wiring.
There is the possibility of using other cabling access systems for projects, please consult with the Commercial Department.

TABLES FOR LINK CONFIGURATIONS

Work surfaces for the use of Link with a height adjustment system - **Width 68 cm**

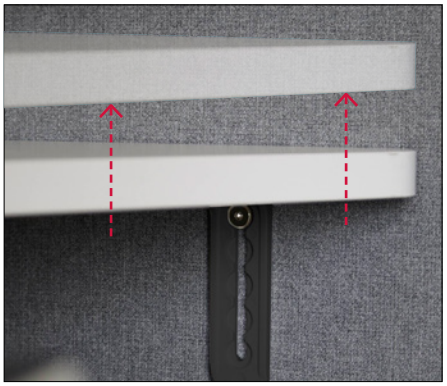


Work surfaces for the use of Link with a height adjustment system - **Width 78 cm**



HEIGHT ADJUSTMENT

Min height. 74 cm and max 82 cm - 5 intervals

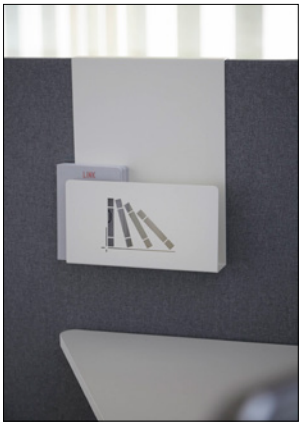


4. OPTIONAL ACCESSORIES FOR LINK

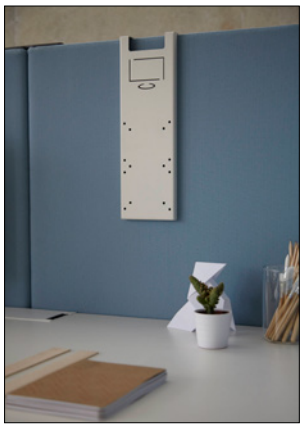
Made from 2 mm folded steel, finished in white epoxy paint, textured and with a unique design, optional accessories, which provide greater benefits to the workplace.

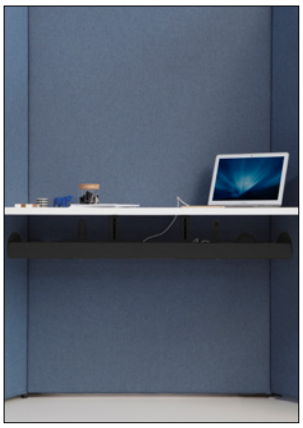

Double coat rack

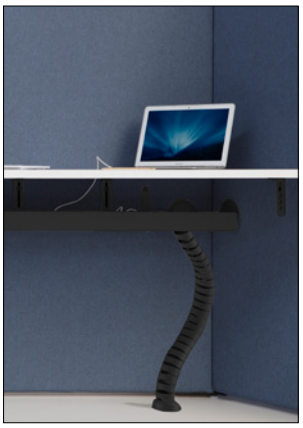

Shelf


Magazine rack


Magnetic board

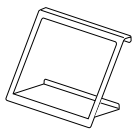

Support monitor


Cable tray

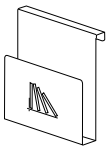

Cable riser

LKC10 Double coat rack

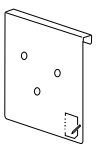
LKC20 Shelf - bottom 22cm



LKC30 Magazine rack - 32x42 cm

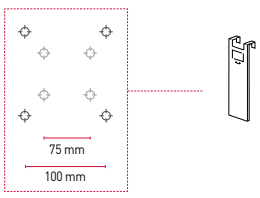


LKC40 Magnetic board - 40x42 cm
(magnets not included)



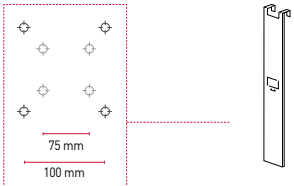
LKC50 Support monitor - 37,5 cm
(For panels of 130 cm height)

Sistema estandar de anclaje

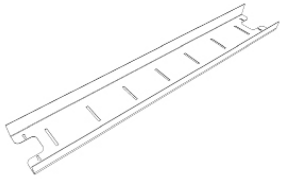


LKC51 Support monitor - 75 cm
(For panels of 170 cm height)

Sistema estandar de anclaje



Cable tray



Polystyrene cable rise - Maximum length 132 cm

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.

72,22%
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.

95,71%
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

PEFC
PEFC/04-31-0782
PEFC Certificate

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

AENOR ER Empresa Registrada ER-0597/2001 — CERTIFIED IQNet QUALITY SYSTEM
UNE-EN ISO 9001:2008
ISO 9001 Certificate

AENOR Gestión Ambiental GA-2003/0202 — CERTIFIED IQNet MANAGEMENT SYSTEM
UNE-EN ISO 14001:2004
ISO 14001 Certificate

E1 EN 13986 — ACTIU PRODUCE Y UTILIZA TABLEROS CLASE E1 STANDARD - NORMA EUROPEA
E1 Certificate by EN 13986

U.S. GREEN BUILDING COUNCIL LEED GOLD USGBC
PARQUE TECNOLÓGICO ACTIU
proyecto certificado LEED® GOLD por el U.S. Green Building Council en 2011
Leadership in Energy & Environmental Design

STANDARDS

LINK 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 **UNE** standards and office desks:

- UNE EN ISO 354:04. Acoustics.