

**LEANPRODUCTS®**

Lean manufacturing



LEAN GREEN  
FACTORY



MATERIAL  
HANDLING



SISTEMA  
KANBAN



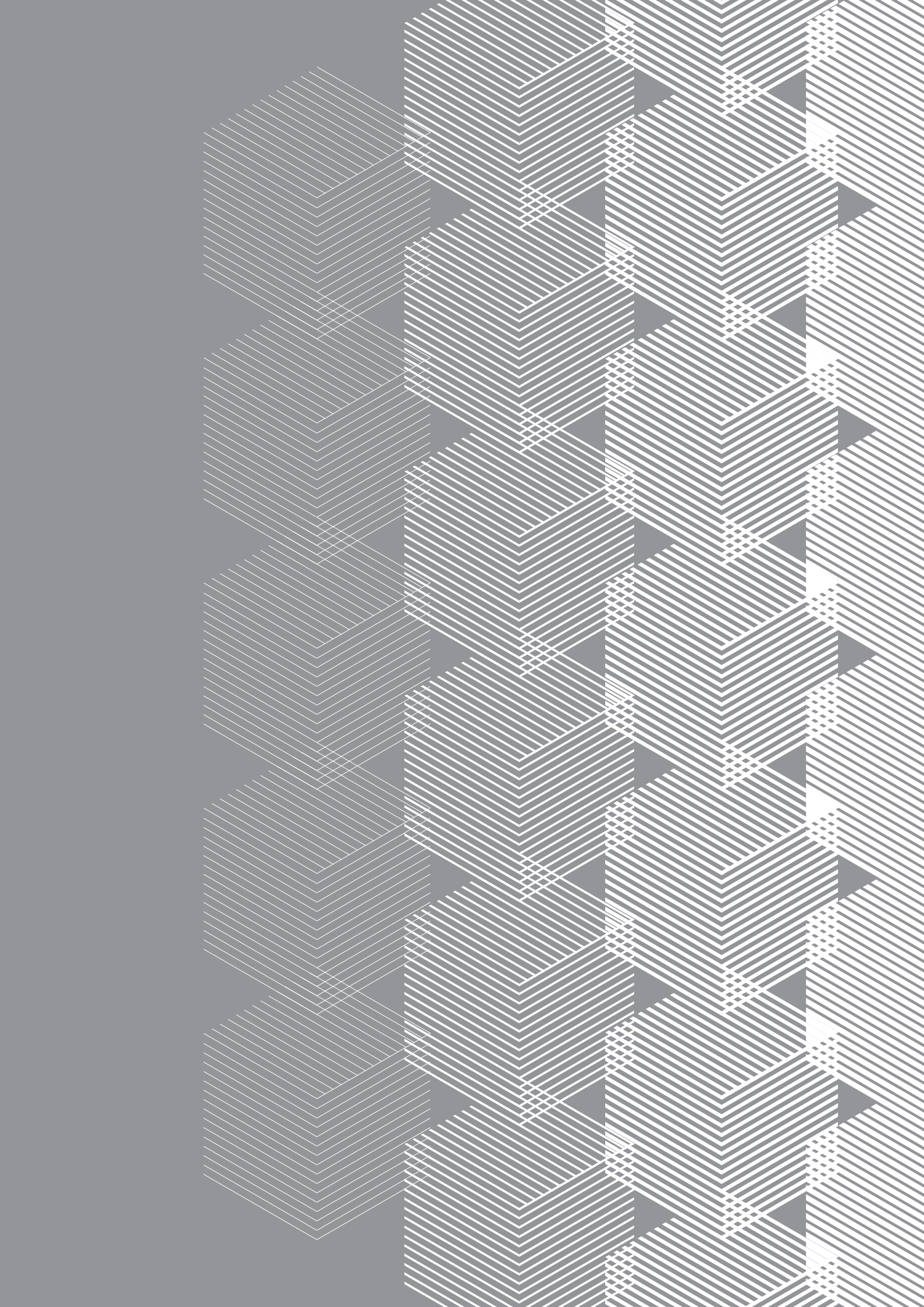
LEAN VISUAL  
MANAGEMENT

# Lean Green Factory

## Catalogue

V 4.0

[www.LeanProducts.eu](http://www.LeanProducts.eu)



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**Lean** manufacturing

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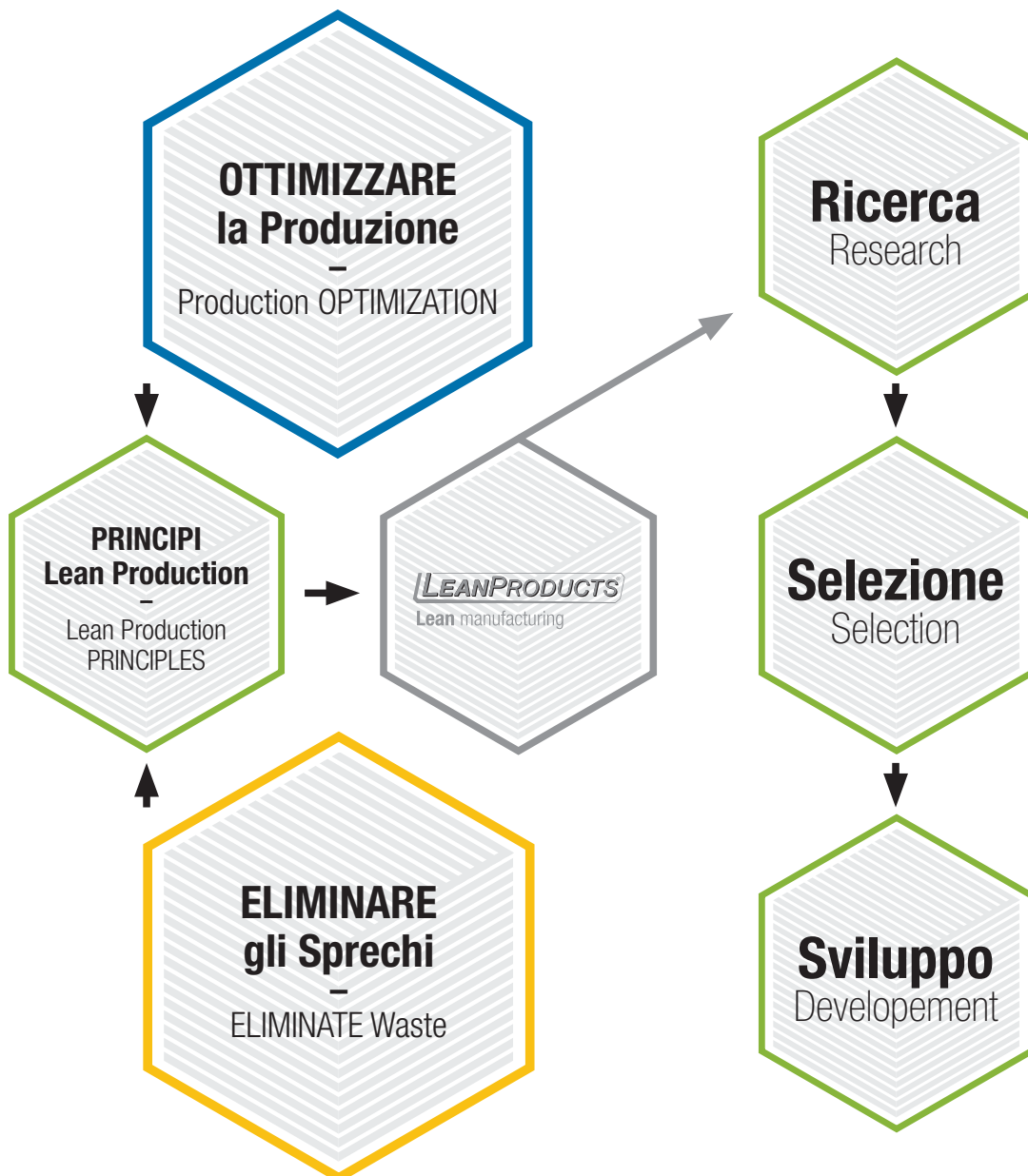
# Chi siamo

About Us

## Lean Production & LeanProducts

I mercati sempre più competitivi e le crescenti difficoltà in cui opera il mondo produttivo hanno enfatizzato la necessità delle Aziende di ottimizzare i loro processi produttivi allo scopo di eliminare qualsiasi tipo di spreco: obiettivo raggiungibile seguendo i dettami della **LEAN PRODUCTION**.

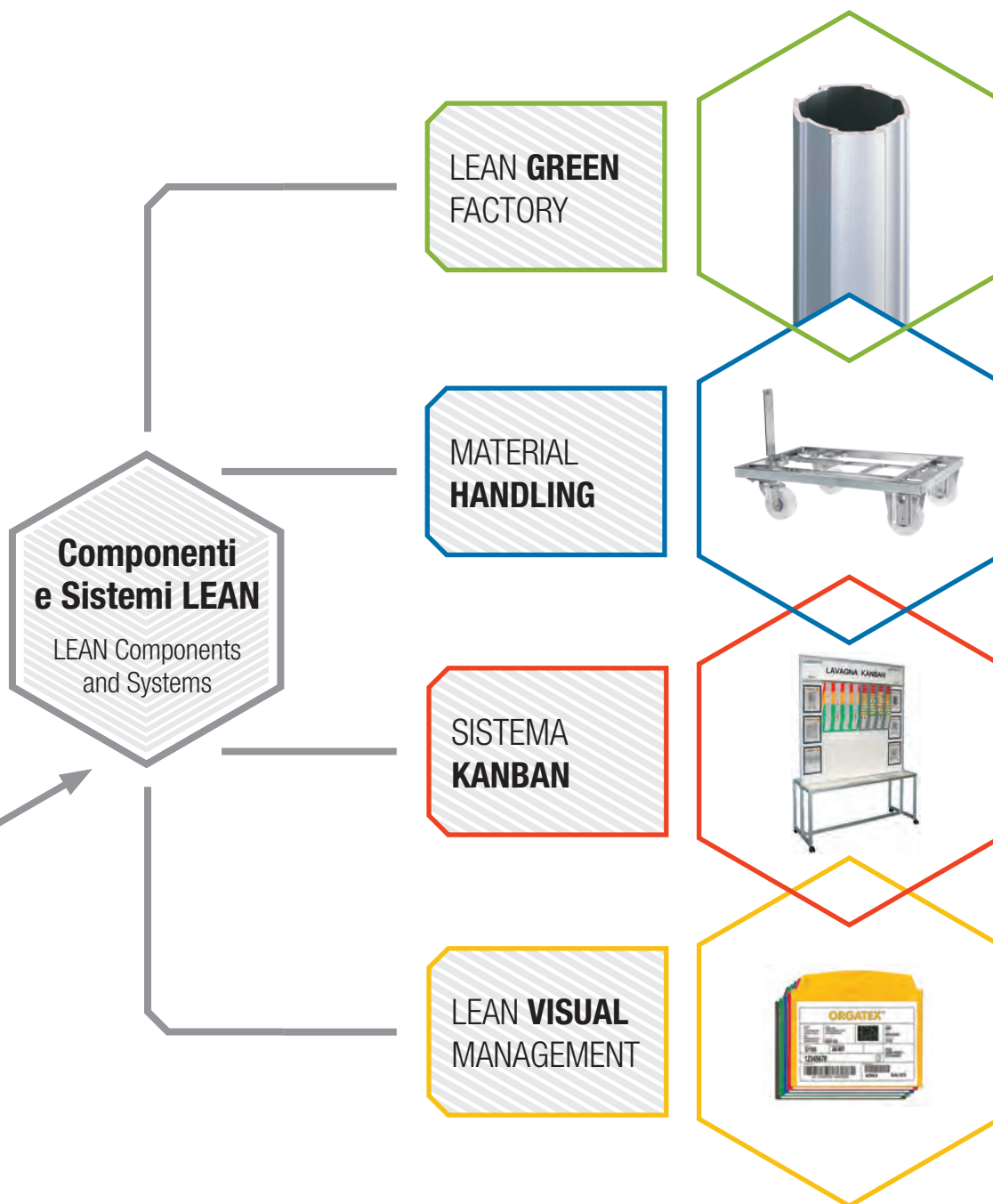
The increasingly competitive markets and difficulties in the world of production have emphasized the need for companies to optimize their production processes to avoid any type of waste. This goal can be reached by following the principles of **LEAN PRODUCTION**.





Fatti propri i concetti alla base di questa filosofia produttiva, **LeanProducts** a partire dal 2005, ha ricercato, selezionato e sviluppato un'ampia gamma di componenti e sistemi indispensabili all'attuazione pratica dei principi lean.

Endorsed the concepts behind this production philosophy, **LeanProducts**, since 2005, has researched, selected and developed a wide range of components and systems which are fundamental for practical implementation of lean principles.



# Chi siamo

About Us

## Azienda e Gruppo

Company and Group

Inizialmente il processo di ricerca e sviluppo ha avuto luogo nell'ambito di **Tecnogroup srl**, azienda con trentennale esperienza nel campo della produzione e commercializzazione di componenti e sistemi per l'automazione; nel **2009 LeanProducts srl ha acquisito autonomia giuridica e a Febbraio 2010 la certificazione.**

The process of research and development initially took place within **Tecnogroup srl**, a company with a thirty-year-experience in production and marketing of components and systems for automation. **LeanProducts srl** has gained autonomy in 2009 and obtained the certification in February 2010.

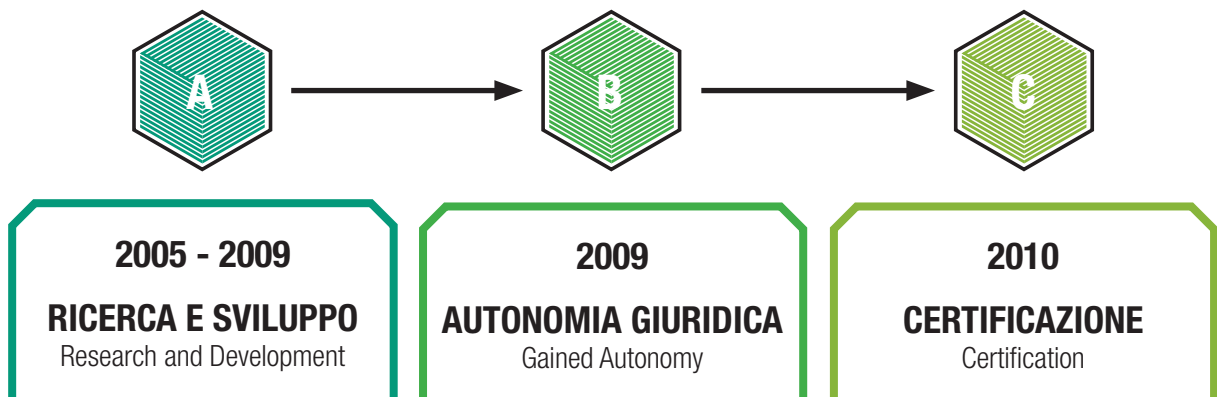
LEAN GREEN FACTORY CATALOGUE

A

SEZIONE - SECTION

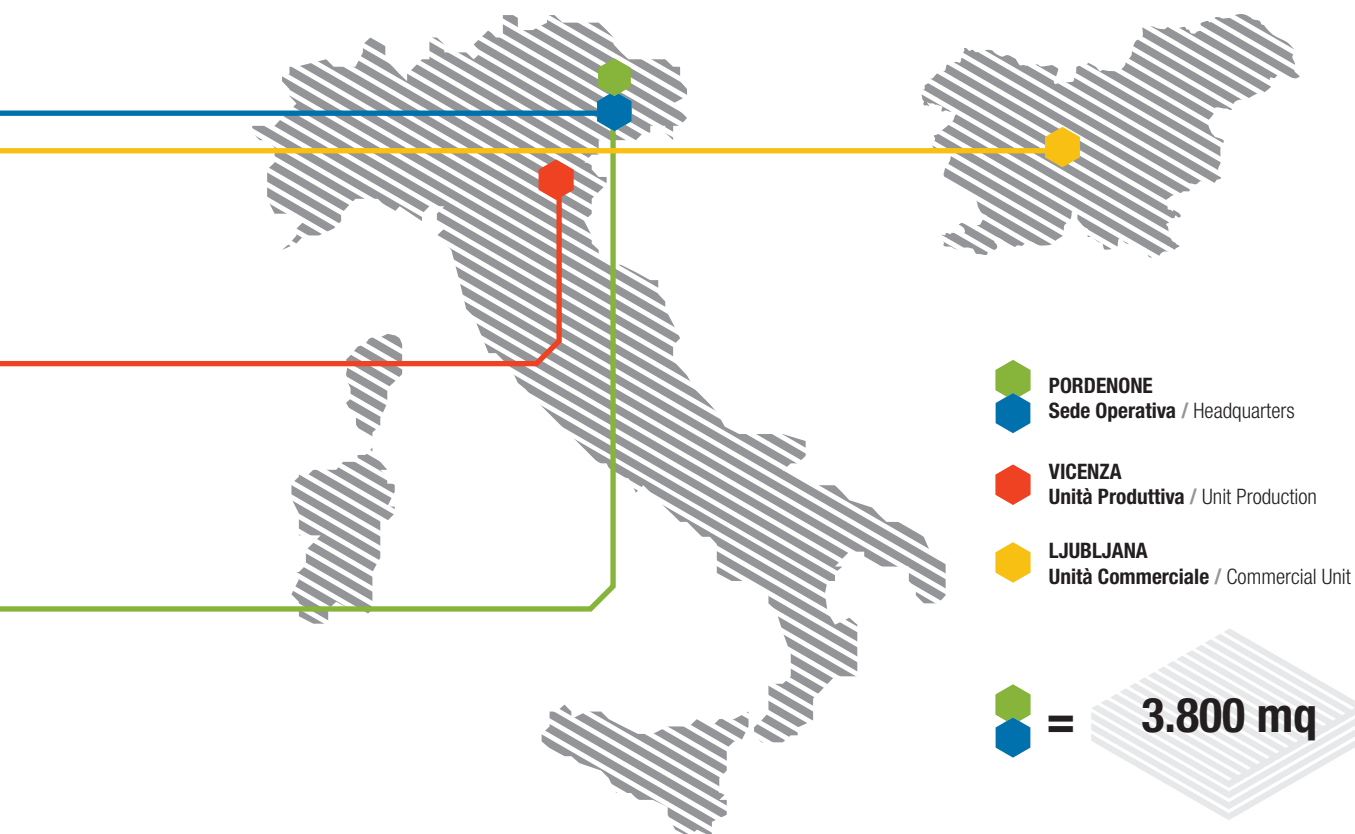
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Pur conservando la propria indipendenza giuridica LeanProducts opera nell'ambito di un gruppo a cui fanno capo, oltre che Tecnogroup, una unità produttiva a Vicenza e una realtà commerciale "OPL automatizacija" a Lubiana per la gestione diretta dei paesi dell'ex Jugoslavia.

Nowadays LeanProducts operates within a group made up of Tecnogroup, a production unit in Vicenza, and a commercial reality "OPL automatizacija" in Ljubljana for the direct management of former Yugoslavia countries.



Interessante è anche il portale internet LeanValley ([www.leanvalley.eu](http://www.leanvalley.eu)) creato e mantenuto allo scopo di diffondere il lean thinking in Italia. LeanProducts ha sede a Pordenone, opera attualmente su una superficie di 3800 mq e si avvale della collaborazione di personale tecnico e commerciale.

Thanks to the web portal, LeanValley ([www.leanvalley.eu](http://www.leanvalley.eu)) can be spread lean thinking in Italy.

LeanProducts is based in Pordenone and currently operates on an area of 3800 square meters with both technical and commercial personnel.

# Cosa facciamo

What We Do

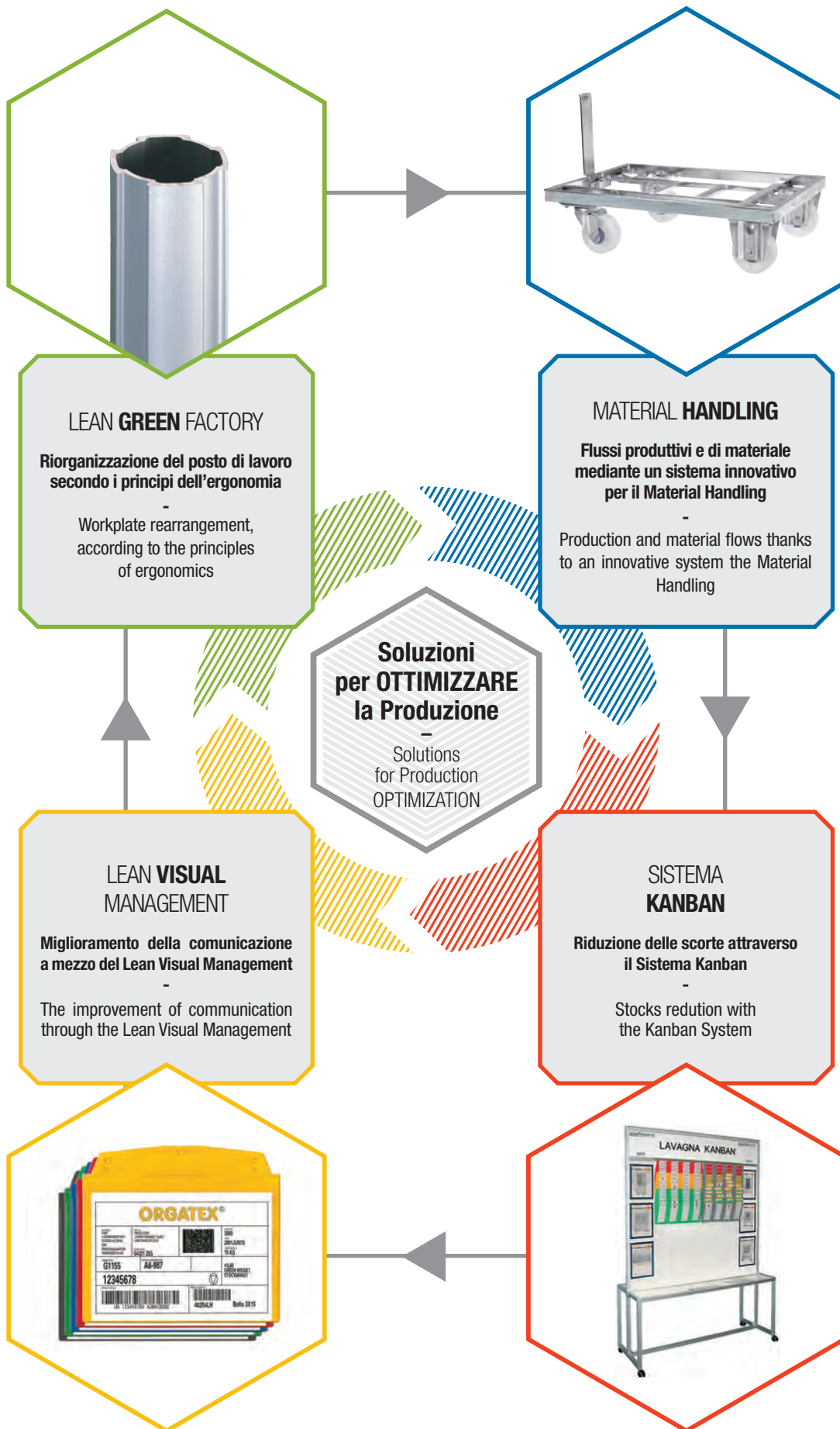
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A

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La gamma dei prodotti proposti da LeanProducts e distribuiti a livello nazionale, grazie anche a contratti di esclusiva, comprende una grande varietà di componenti selezionati per la semplicità e la praticità di utilizzo.

Le caratteristiche di flessibilità e la possibilità di personalizzazione li rendono adatti ad ogni specifica esigenza e permettono di raggiungere risultati sorprendenti in tempi contenuti.

The range of products offered by LeanProducts and distributed nationally, thanks also to exclusive contracts, includes a variety of components selected for their simplicity and ease of use, flexibility and customization options.

These features make them suitable for any specific need, and allow to achieve amazing results in a short time.



# Cosa facciamo

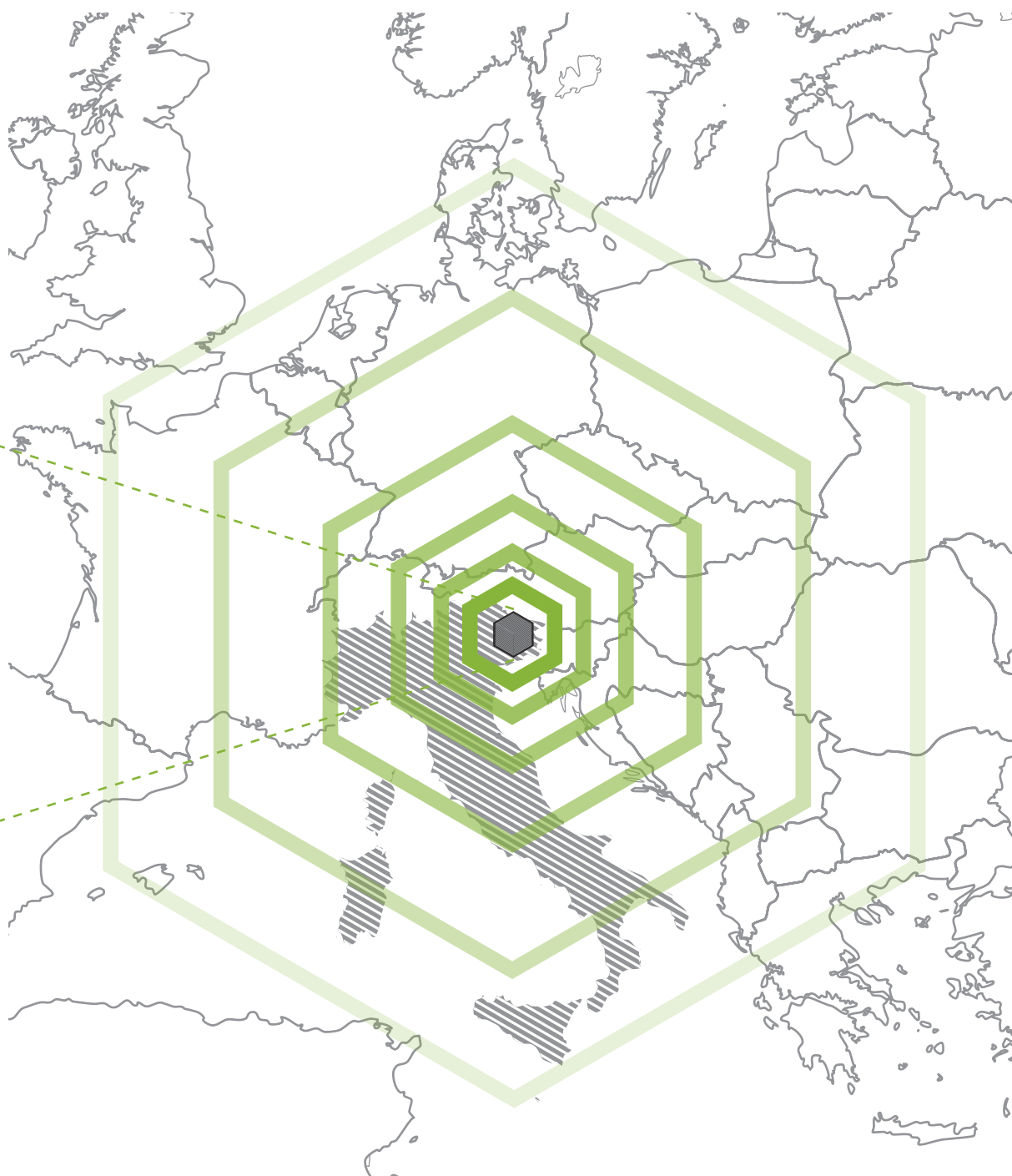
What We Do

## Partnership & Leadership



**Il costante impegno, la competenza acquisita e la flessibilità unitamente agli accordi siglati con primarie aziende nazionali ed internazionali, hanno permesso a LeanProducts di conseguire in breve tempo risultati di eccellenza, divenendo partner di fiducia di molte realtà nazionali nonché punto di riferimento in Italia per i componenti ed i sistemi attinenti la lean production.**

The constant commitment, competence and flexibility gained, together with the agreements signed with leading national and international companies, allowed LeanProducts to achieve excellent results in a very short time, becoming a trusted partner and a reference point in Italy for components and systems related to lean production.



**I risultati ottenuti sono diretta conseguenza sia della qualità dei prodotti proposti che della puntualità e dalla professionalità di un gruppo giovane e dinamico, motivato e preparato a rispondere con competenza alle richieste di realtà che vedono nella filosofia della lean production e della sua applicazione una possibile via d'uscita alle pressanti problematiche di miglioramento continuo, di eliminazione degli sprechi e di mantenimento delle proprie quote di mercato.**

The results obtained are a direct consequence of both the quality of the products offered but also of the punctuality and professionalism of a young and dynamic group, motivated and prepared to respond competently to the demands of reality that see in the lean production and its application a possible way out to the pressing problems of continuous improving, elimination of waste and maintaining of the market share.

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## Green Frame

# Libertà e pulizia

## So free, so clean

1

**I profili tubolari in alluminio offrono illimitate possibilità per la creazione di un sistema**

Tubular aluminium frames offer unlimited possibilities for system creation.

2

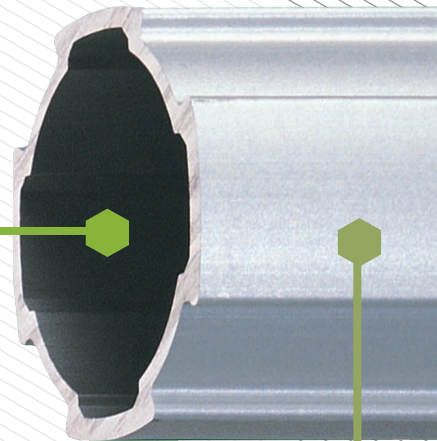
**I profili Green Frame in alluminio sono stati progettati per postazioni di lavoro, carrelli e magazzini a gravità. Offrono la massima flessibilità all'automazione industriale.**

GF-series structural aluminium frames have been designed as a material for work boards, trolleys, chuters and racks to offer the optimum adaptability to industrial automation.

3

**La riciclabilità dei componenti al 99% ed il sistema produttivo a norma RoHS rendono il progetto GF tecnologicamente avanzato ed un partner della Green Factory.**

Being 99% recyclable and produced following ROHS standards, the frames and accessories are technologically advanced and a partner for the Green Factory.



4

**In estruso in alluminio anodizzato, non deposita ossidi e lascia pulito il Vs Stabilimento. La superficie antigraffio mantiene il profilo lucido a lungo.**

Extruded aluminium with alumite treatment prevent corrosion and keep your factory clean. Aluminium's scratch-resistant surface will help to maintain an excellent glaze..

5

**La loro particolare struttura permette un assemblaggio semplice e veloce grazie all'utilizzo di un unico punto di bloccaggio.**

Its unique sectional form is most suited for simple and fast assemblies and modifications with use of a single bolt.

6

**Il peso delle strutture, che corrisponde a circa il 40% dei corrispondenti prodotti in tubolare di ferro, agevola lo spostamento di carrelli e magazzini a gravità.**

The lightweight aluminium frame, which is the 40% of its correspondent steel pipe weight, helps movements of manufactures and trolleys.

7

**La varietà di profilati ed accessori consente un sistema personalizzato che soddisferà ogni Vostra necessità.**

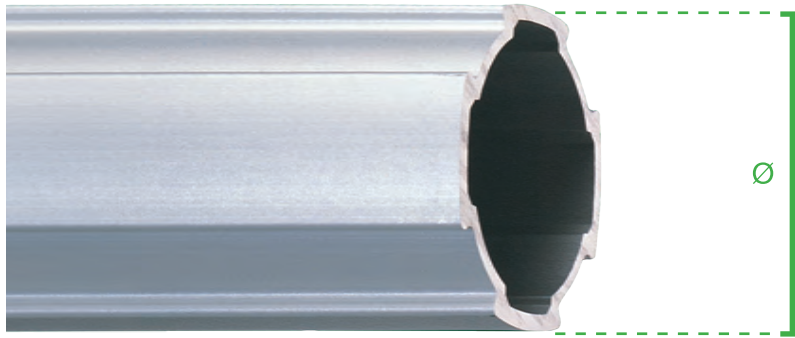
Perfect freedom to choose the best combination of frames and accessories allows for a customized system that will satisfy your needs.



# Green Frame

## I profili Green Frame si adattano alle diverse esigenze produttive

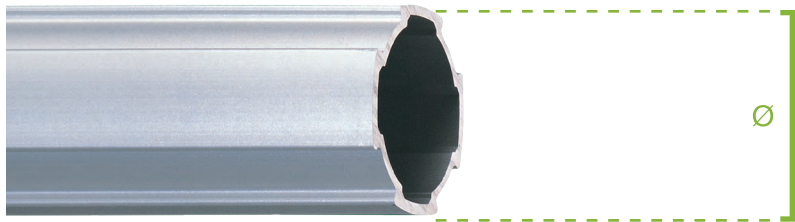
Green Frame profiles for any industrial need



**GF-G**  
Green Frame



Dimensione Esterna  
Outer Dimension



**GF-N**  
Green Frame



Dimensione Esterna  
Outer Dimension



**GF-S**  
Green Frame



Dimensione Esterna  
Outer Dimension

**I profili tubolari in alluminio offrono illimitate possibilità per la creazione di postazioni di lavoro, carrelli e magazzini a gravità. Offrono la massima flessibilità all'automazione industriale.**

Tubular aluminium frames offer unlimited possibilities for work boards, trolleys, chuters and racks creation. They offer the optimum adaptability to industrial automation.

### .1 Ambiente - Produzione Environment - Production

- Completamente riciclabile e a ridotto impatto ambientale.
- Profilati e componenti prodotti secondo normativa RoHS.
- Adatti a camere grigie / ESD.

- Great recyclability and with reduce environmental impact.
- Profiles and components are RoHS compliant.
- Suitable for clean rooms / ESD.



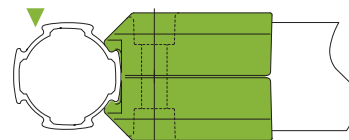
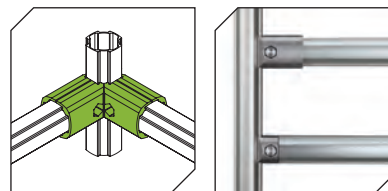


**.2** Tempo di assemblaggio ridotti a 2/3

Assembly time reduced by 2/3

- 4 cave esterne per fissaggio connettori.
- Accessori forniti premontati.
- Poka-yoke per strutture perfette.
- Fissaggio con aggancio meccanico.
- Perpendicolarità e parallelismo.
- Assemblaggio e regolazioni facilitate dall'utilizzo di una sola vite.

- 4 external slot for fixing connectors.
- Accessories delivered semi-mounted.
- Poka-yoke for perfect structure.
- Fixing with mechanical latching.
- Perpendicularity and Parallelism.
- A connector can fit in the grooves with use of a single bolt.



▶ Scanalatura  
▶ Groove

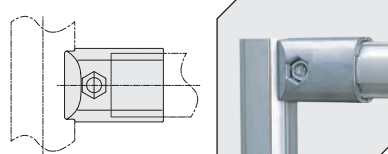
**.3** Estetica

Aesthetics

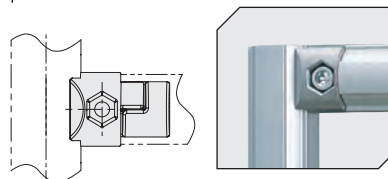
- L'anodizzazione e la progettazione degli accessori in esecuzione esterna / interna, eliminano la manutenzione ed hanno un eccellente impatto estetico.
- Nel caso di tubolare in acciaio ricoperto il rivestimento in resina è soggetto a deterioramento che genera polvere e ruggine e manutenzione aggiuntiva.
- L'utilizzo di connettori interni lascia libero il profilo e limita l'accumulo di polvere.

- Alumite treatment allows for "maintenance-free", and gives an excellent appearance that lasts for long.
- Resin-coating causes resin deterioration and dust generation and additional maintenance.
- Inner type connectors leaves a smooth surface and limits dust accumulation.

▶ Connettore esterno / Outer connector

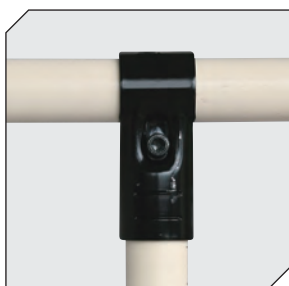


▶ Connettore interno / Inner connector

**.4** Peso

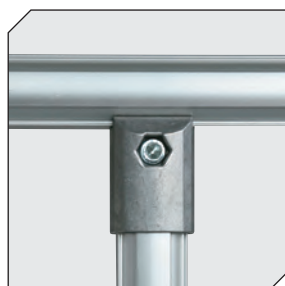
Weight

▶ Tubolare in acciaio / Resin-coated steel frame



- Profilo: 520 g / m
- Giunto: 145 g
- Profile: 520 g / m
- Metal joint: 145 g

▶ Green Frame

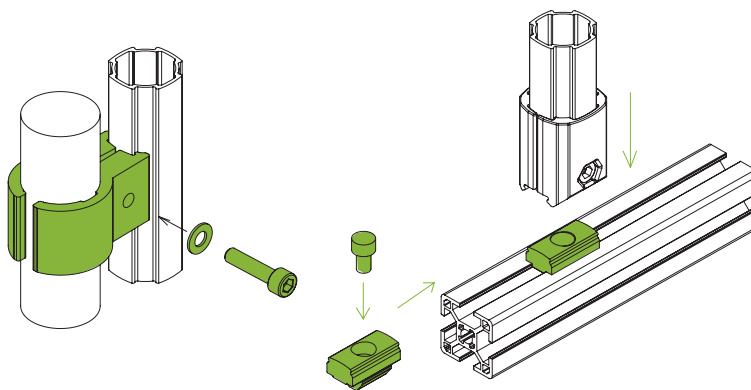


- Profilo: 367 g / m
- Giunto: 61 g
- Profile: 367 g / m
- Metal joint: 61 g

**.5** Universale

Universal

- Accessori per il collegamento con profilato quadrato e tubolare ricoperto.
- Accessories can be fixed both on square and coated tubular frames.



# Panoramica Applicazioni

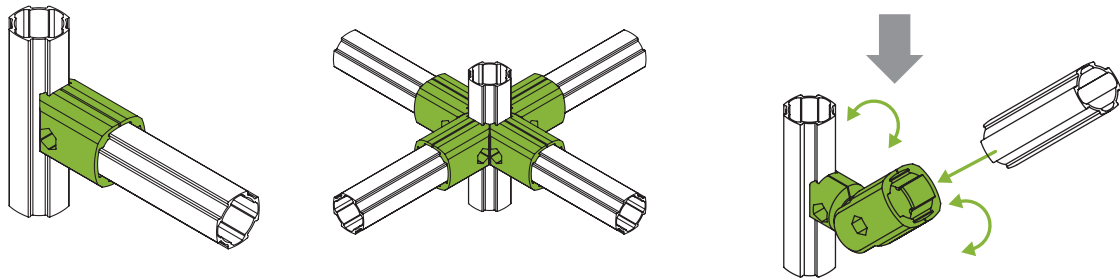
## Solutions Overview

### Soluzioni base con solo 2 connettori

Base solutions with only 2 connectors

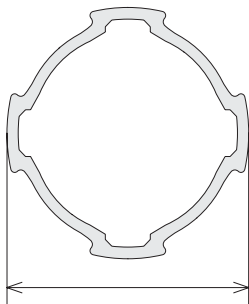
Utilizzando 2 soli tipi di connettori è possibile creare strutture personalizzate per le esigenze più comuni.

You can create your own structures for the most common needs using only two types of connectors.



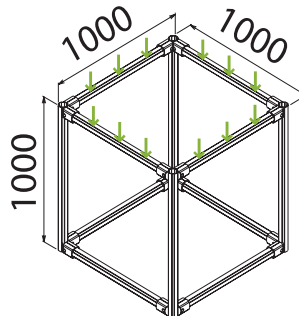
I nostri profili vengono consegnati con lunghezza L= 4050 mm.

Our frames are delivered with a length of L= 4050 mm.



■ Diametro 28 mm

■ Diameter 28 mm



■ Peso uniformemente distribuito: 1239 N

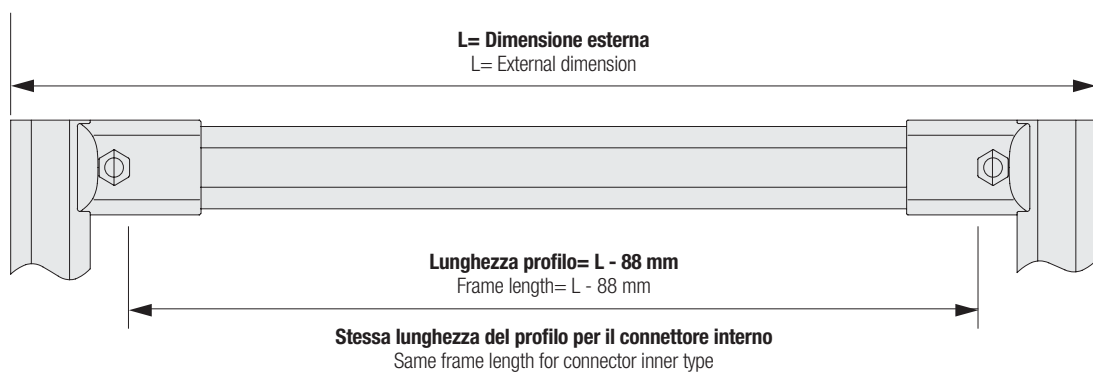
■ Load uniformly distributed: 1239 N

Calcolo semplificato per il corretto dimensionamento dei profili al taglio.

Simple formula to calculate profile exact length.

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## Esempi soluzioni base

Base solutions examples

### Scaffale fisso.

Rack.



### Postazione di lavoro.

Workstation.



### Carrello su ruote.

Trolley.



### Carrello speciale.

Special trolley.



# Panoramica Applicazioni

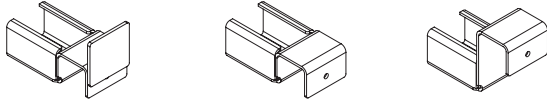
Solutions Overview

## Componenti soluzioni complesse

Component for complex solutions

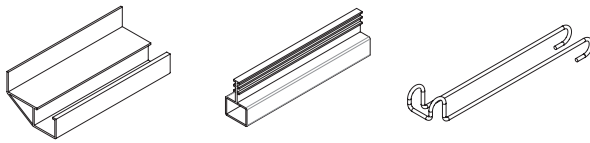
### ■ Ganci per tratto a rotelle

■ Connector for roller



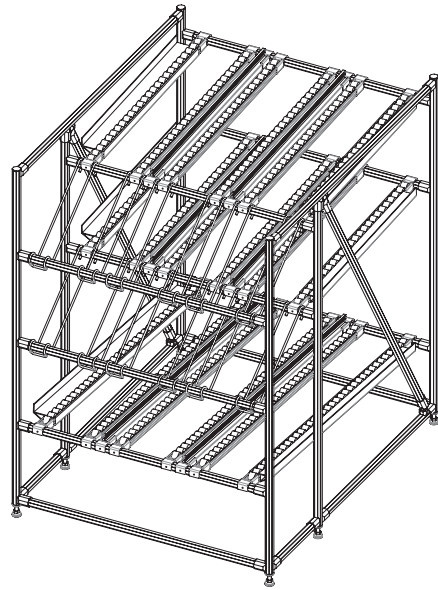
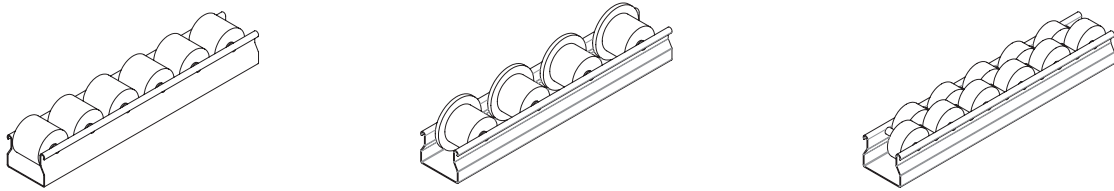
### ■ Guide per tratto a rotelle

■ Guides



### ■ Trattati a rotelle

■ Roller



## Esempi soluzioni intermedie grazie ai 180 accessori

Intermediate solutions example thanks to 180 accessories





## Esempi soluzioni avanzate

Component for complex solutions

### Cambio direzione.

Change direction.



### Sistema Karakuri carico / scarico.

Karakuri system for loading / unloading.



### Carrello con 3 piani ribaltabili.

Opening 3 planes trolley.



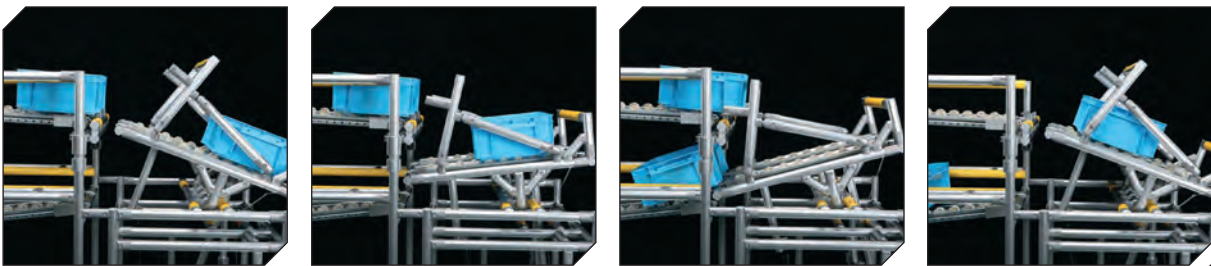
### Carrello scarico automatico.

Trolley with automatic unloading.



### KARAKURI: sistema di movimentazione materiali basato sulla forza di gravità.

KARAKURI: system of materials flow based on gravity.





# Dalla richiesta alla spedizione

From request to delivery

## CAD Service



■ Sulla base delle specifiche richieste viene progettata la struttura visualizzabile anche con modello 3D.

■ Customizable structures also available on 3D.

## Opzioni di consegna

Delivery options

Opzione di consegna Delivery option	Tempo di consegna Delivery time	Tempo di montaggio Assembly time	Prezzo Price
<b>Confezione / imballo</b> Packing unit	■	■	■
<b>Kit di montaggio</b> Assembly kit	■	■	■
<b>Soluzione montata</b> Assembled solutions	■	■	■

■ In caso di replica di una struttura, è consigliabile la consegna di una struttura montata da usare come esempio. Le altre in kit di montaggio. **DISPONIBILE IMBALLO PER OGNI SINGOLO CODICE (es. GFF-000/P).**

■ if several structures are needed, we recommend to purchase one prototype first, then assembly kits. **PACKAGING AVAILABLE FOR EVERY SINGLE CODE (ex. GFF-000/P).**

## Consegna materiale

Delivery solutions



■ **Profilo L= 4050 mm per ottimizzare il taglio**  
■ Frame L= 4050 mm for cut optimization



■ **Accessori premontati**  
■ Premounted accessories



■ **Accessori confezionati singolarmente**  
■ Individually packed accessories

## Legenda

Symbols



■ **Nuovo prodotto**  
■ New product



■ **Prodotto ESD**  
■ ESD Product



■ **Adatto per camere grigie**  
■ Suitable for clean rooms



■ **Adatto per industria alimentare**  
■ Suitable for food industry

# Esempio distinta componenti

## Components List Example

# Postazione di lavoro

## Workstation



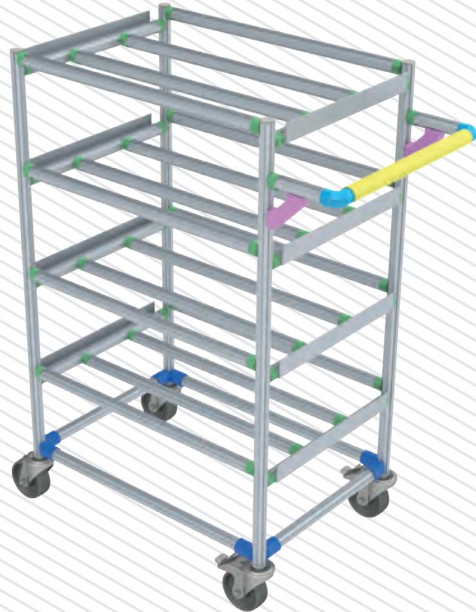
CODE	Descrizione	Description	Dimensioni Dimensions mm	Pezzi Pieces
LP-PR010	Cavo di rete Shucko / GST A	Net cable Shucko / GST A		1
LP-LN72	Lampada neon	Neon lamp		1
LP-PR002	Presa di corrente a 2 posizioni con interruttore luce	Socket with 2 positions and light switch		1
GFA-400	Tappo Interno GF-N	Inner Cap		2
GFA-402	Tappo interno G	Inner Cap G		6
GFF-000	Profilo GF-N	Green Frame	550	4
GFF-000	Profilo GF-N	Green Frame	550	2
GFF-000	Profilo GF-N	Green Frame	681	2
GFF-004	Profilo GF-N C10	GF-N L-Slot	897	1
GFF-200	Profilo GF-G	Green Frame G	2152	2
GFF-200	Profilo GF-G	Green Frame G	617	2
GFF-200	Profilo GF-G	Green Frame G	663	2
GFF-200	Profilo GF-G	Green Frame G	677	2
GFF-200	Profilo GF-G	Green Frame G	874	7
GFF-200	Profilo GF-G	Green Frame G	95	2
GFJ-000	Connettore 90° Esterno	Multi connector Outer type		4
GFJ-007	Connettore 45° Esterno	45° Connector Outer type		12
GFJ-209	Connettore 90° Interno G	Multi Connector Inner Type G		24
GFJ-A45	Connettore parallelo	Double Connector C Kit		2
GFN-E05	Bussola M16 G	Foot Connector M16 G		4
LP-MCG10	Pannello materiale composito grigio sp. 10 mm	Composite material 10 mm grey		1
LP-P50M16-70	Piedino Ø 50 M16	Foot Ø 50 M16		4
LP-PRSC2	Profilo per carrello di sospensione 30 x 45	Profile for suspension trolley 30 x 45		1

# Esempio distinta componenti

## Components List Example

### Carello

#### Trolley



CODE	Descrizione	Description	Dimensioni Dimensions mm	Pezzi Pieces
GFA-400	Tappo Interno GF-N	Inner Cap		4
GFA-804Y	Protezione Gialla	Yellow frame guard	392	1
GFF-000	Profilo GF-N	Green Frame	100	2
GFF-000	Profilo GF-N	Green Frame	392	2
GFF-000	Profilo GF-N	Green Frame	392	1
GFF-000	Profilo GF-N	Green Frame	592	18
GFF-000	Profilo GF-N	Green Frame	966	4
GFF-014	Profilo GF-N F35	Green Frame F35	392	8
GFJ-000	Connettore 90° Esterno	Multi connector Outer type		8
GFJ-200	Connettore 90° Interno	Multi connector Inner type		50
GFJ-204	Connettore Interno angolo 90°	Angle connector Inner type		2
GFJ-A15	Rinforzo 45°	Point connector		2
GFN-E02	Bussola M12	Foot connector M12		4
LP-RV002	Ruota girevole con foro centrale Ø 100 gomma elastica con freno	Wheel with central hole Ø 100 elastic rubber with brake		2
LP-RV001	Ruota girevole con foro centrale Ø 100 gomma elastica senza freno	Wheel with central hole Ø 100 elastic rubber without brake		2
LP-V001	Vite M12 x 30	M12 x 30 screw		4

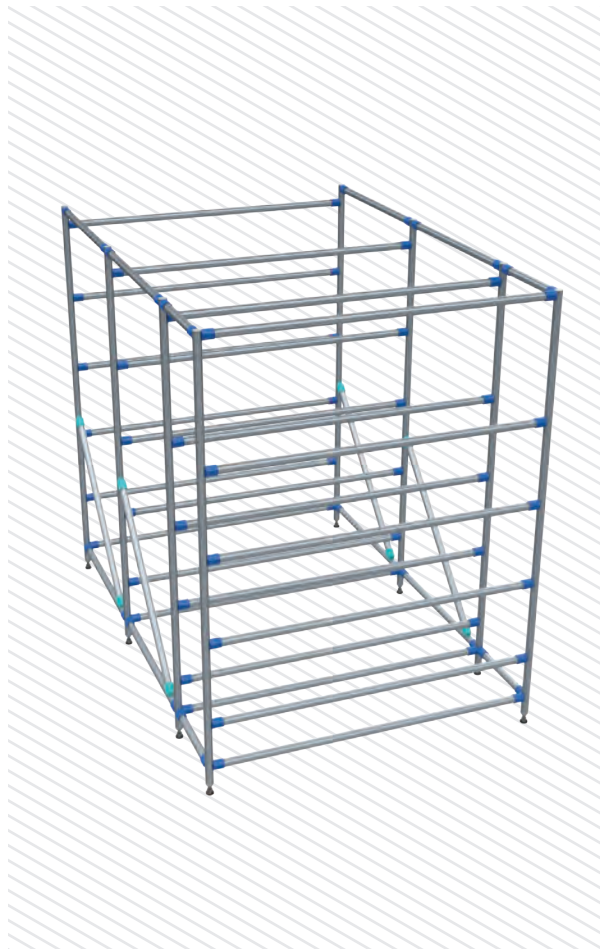
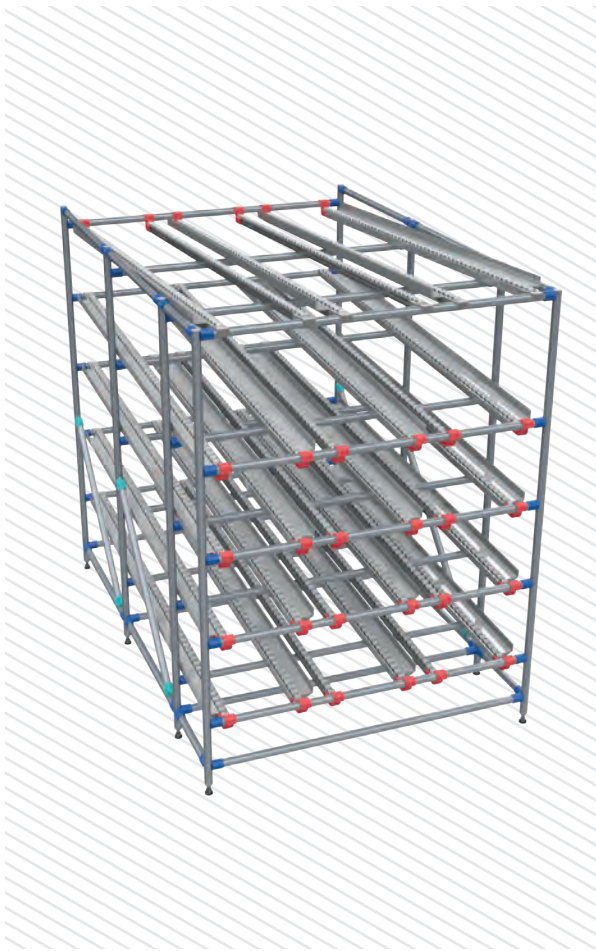


# Esempio distinta componenti

## Components List Example

# Magazzino Supermarket

## Supermarket



CODE	Descrizione	Description	Dimensioni Dimensions mm	Pezzi Pieces
GF28-GLL	Guida laterale XL	ESD Inner Cap	1695	4
GF28-GXR1	Gancio per tratto a rotelle	Connector for roller		1
GF28-GXR3	Gancio con fermo basso per tratto a rotelle	Connector for roller low stop		2
GF28-RG	Tratto a rotelle P 33	Roller P 33	1815	2
GFA-400	Tappo interno GF-N	Inner Cap		1
GFF-000	Profilo GF-N	Green Frame	312	18
GFF-000	Profilo GF-N	Green Frame	680	4
GFF-000	Profilo GF-N	Green Frame	850	8
GFF-000	Profilo GF-N	Green Frame	1198	8
GFF-000	Profilo GF-N	Green Frame	1652	34
GFJ-000	Connettore 90° Esterno	Multi connector Outer type		16
GFJ-007	Connettore 45° Esterno	45° Connector Outer type		2
GFN-E02	Bussola M12	Foot connector M12		2
LP-P30M12-80	Piedino Ø 30 mm M12	Ø 30 mm foot M12	80	4

# Galleria applicazioni

Applications gallery

# Postazioni di lavoro

Workstations

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# Galleria applicazioni

Applications gallery

# Carrelli

Trolleys



# Galleria applicazioni

Applications gallery

# Carrelli

Trolleys

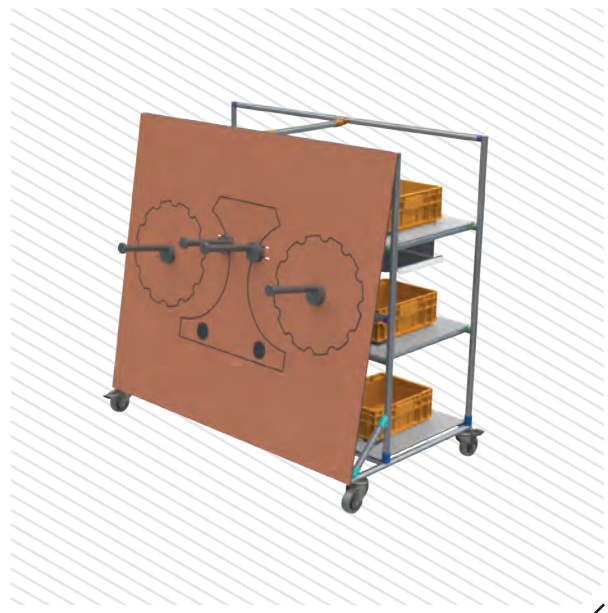
LEAN GREEN FACTORY CATALOGUE

A

SEZIONE - SECTION

V 4.0

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Lean manufacturing



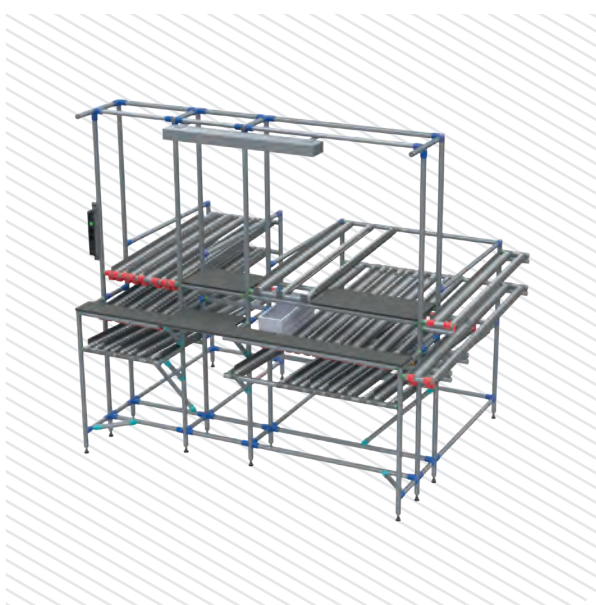
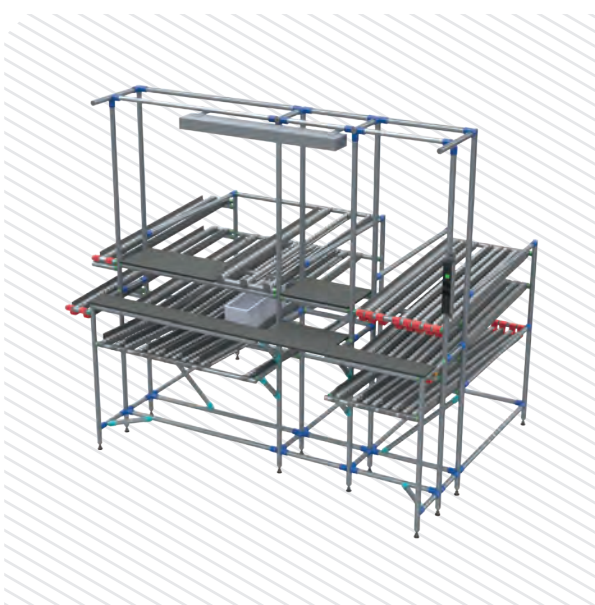
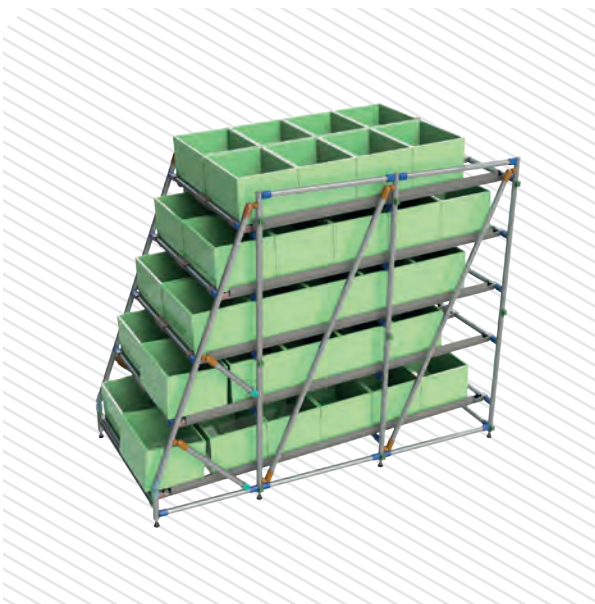
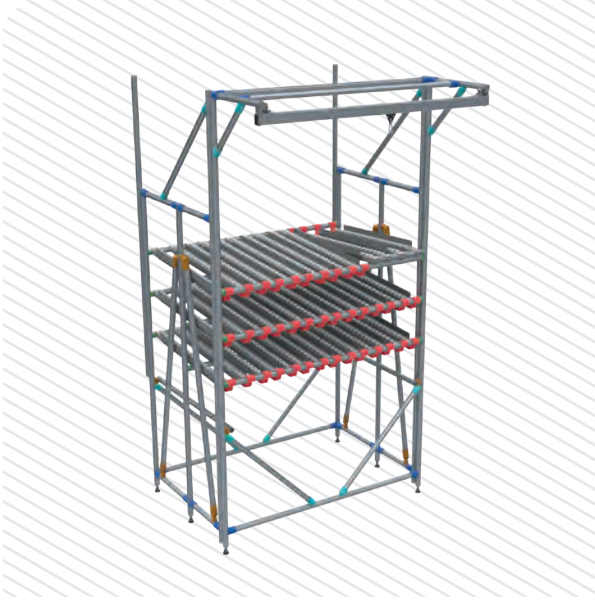


# Galleria applicazioni

Applications gallery

# Magazzini Supermarket

Supermarkets



# Galleria applicazioni

Applications gallery

# Magazzini Supermarket

Supermarkets

LEAN GREEN FACTORY CATALOGUE

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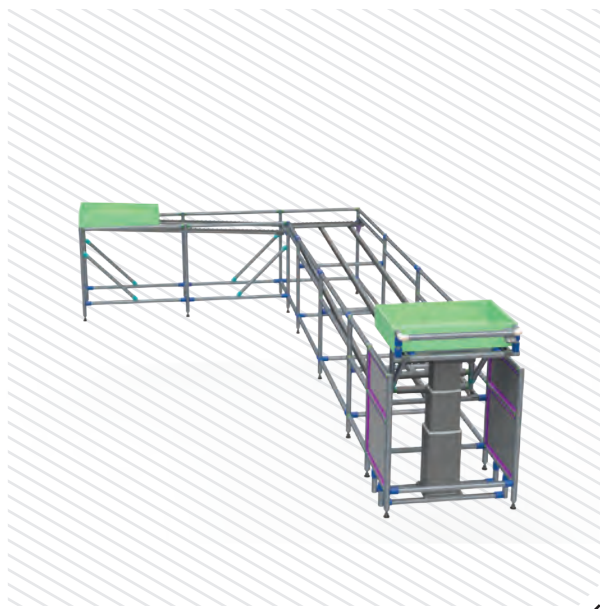
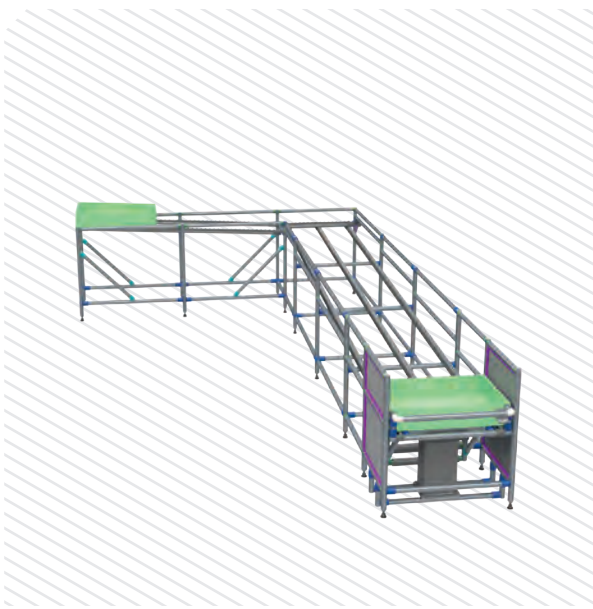




# Galleria applicazioni

Applications gallery

Varie  
Various



# Galleria applicazioni

Applications gallery

Varie  
Various

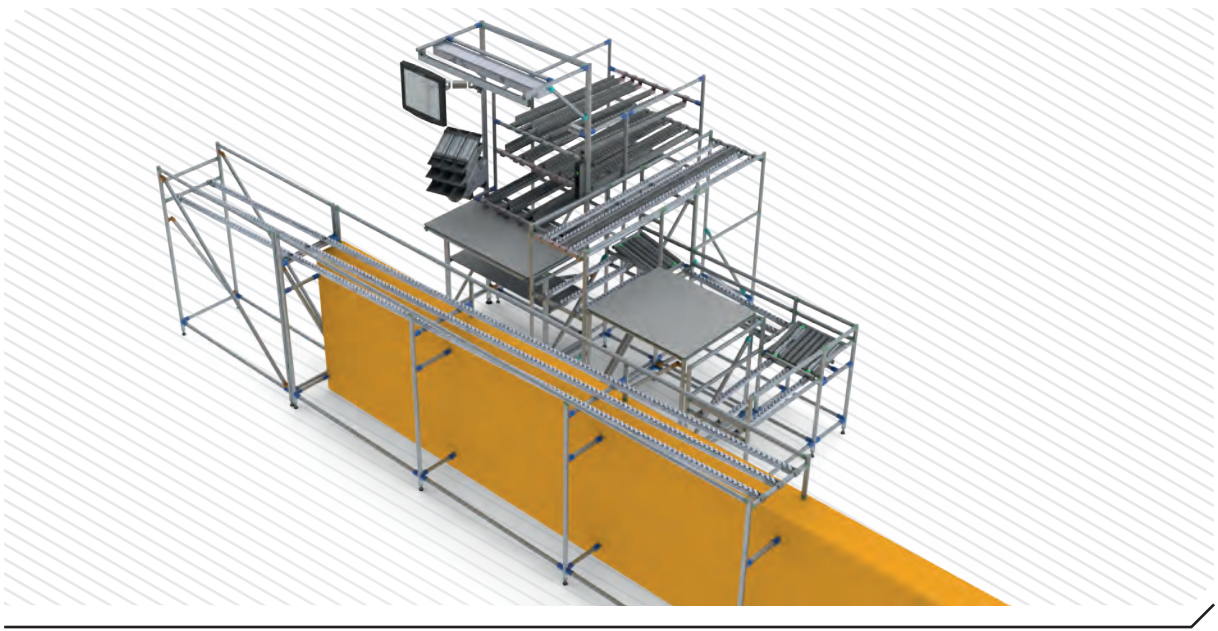
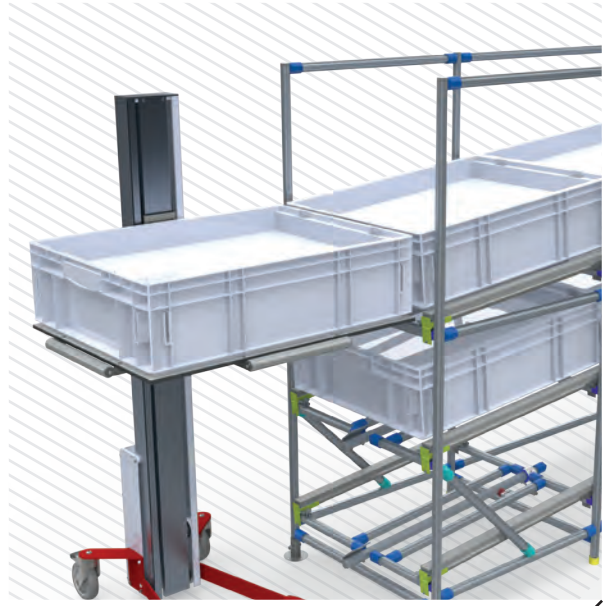
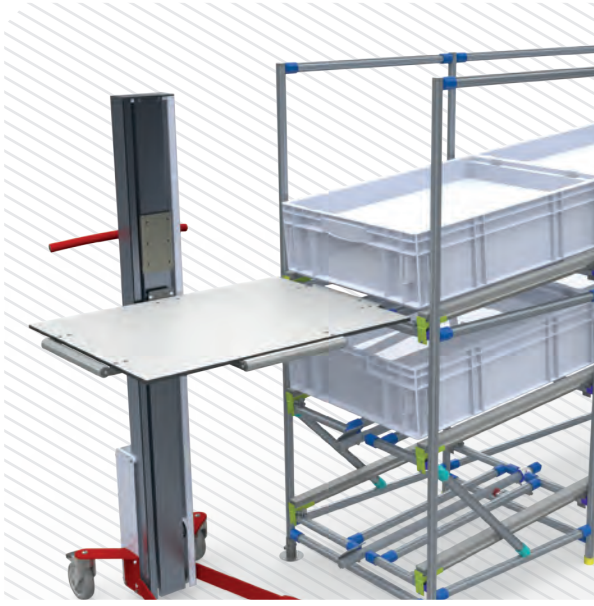
LEAN GREEN FACTORY CATALOGUE

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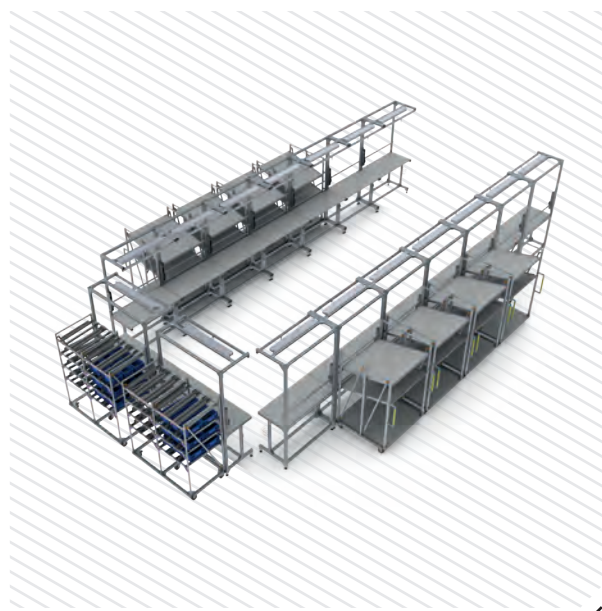
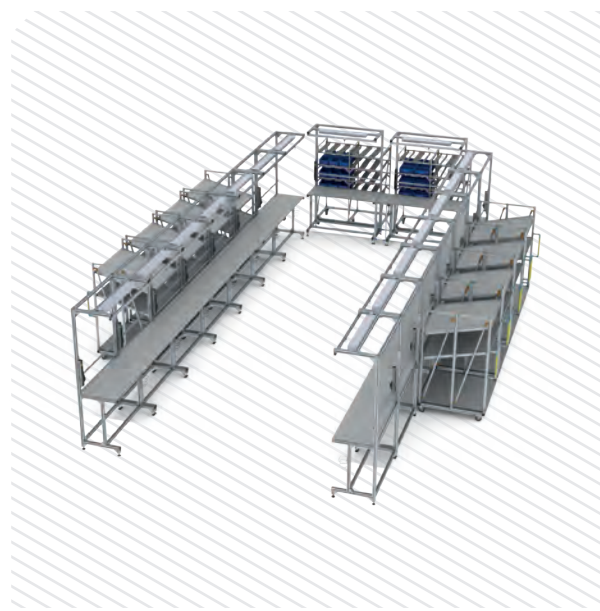
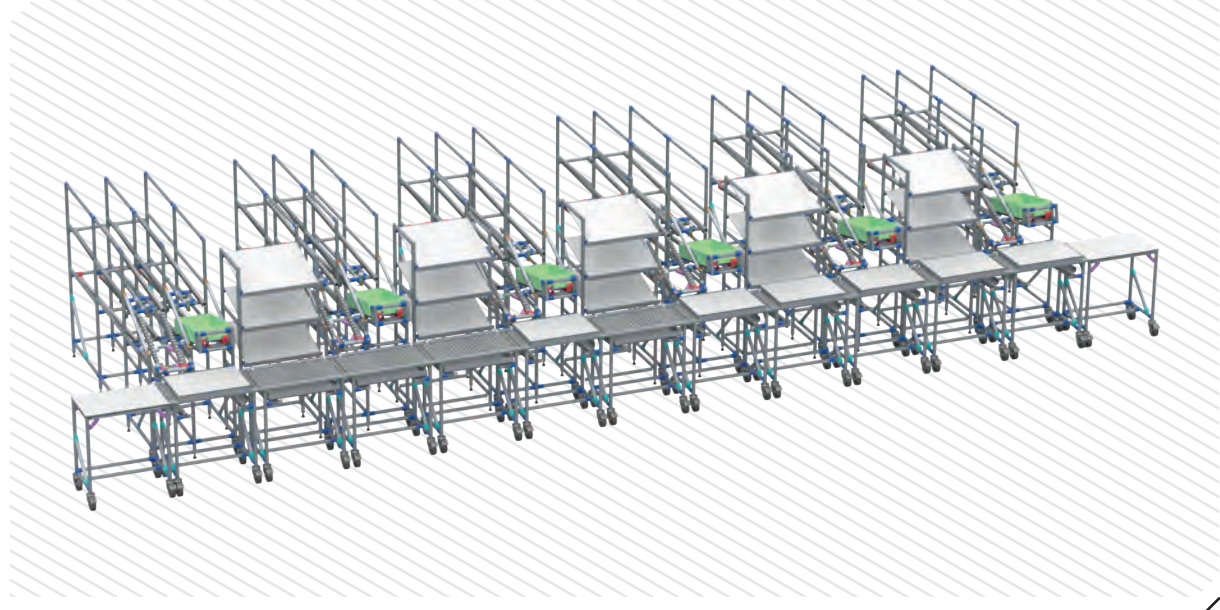


# Galleria applicazioni

Applications gallery

# Linee di assemblaggio

Assembly lines



# Galleria applicazioni

Applications gallery

# Linee di assemblaggio

Assembly lines

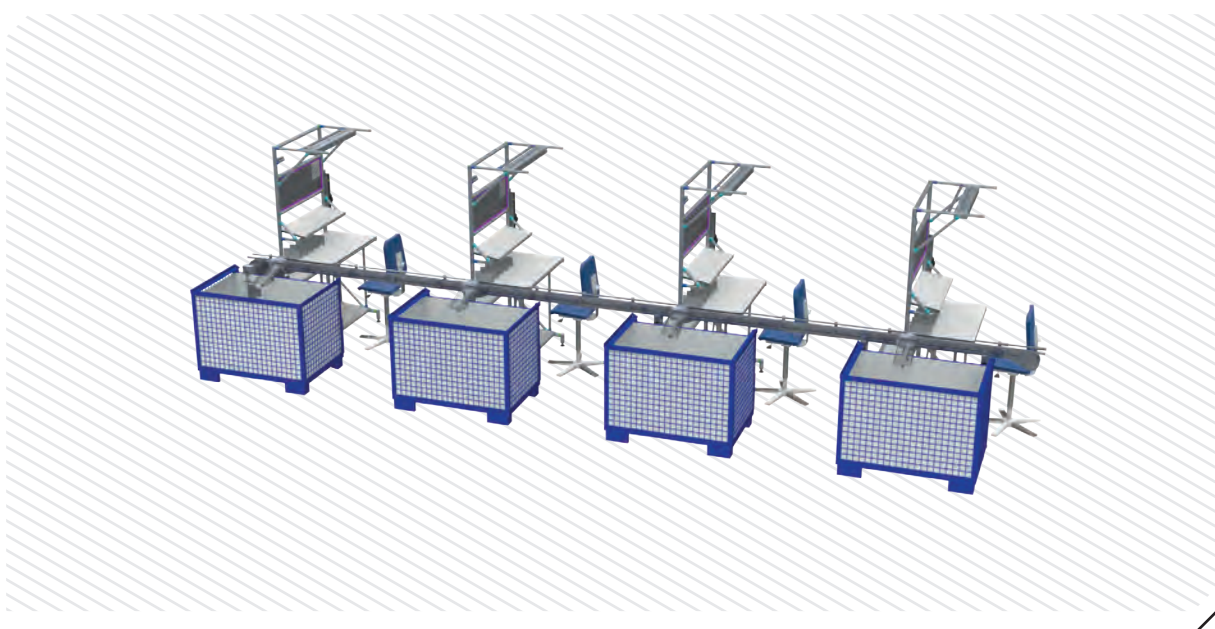
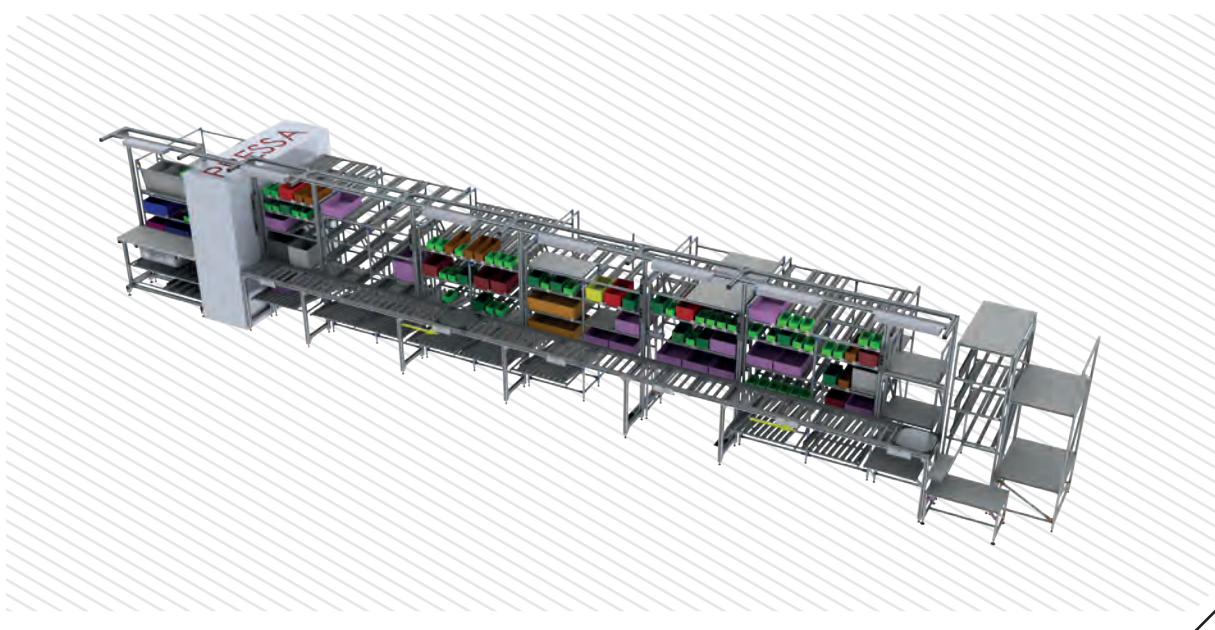
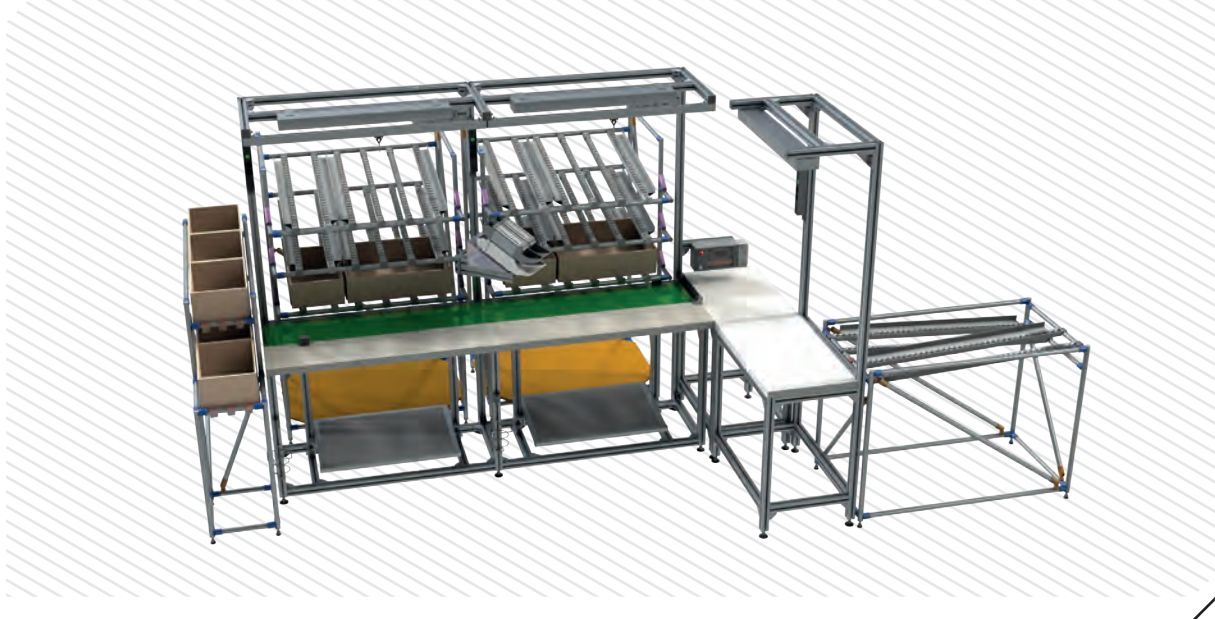
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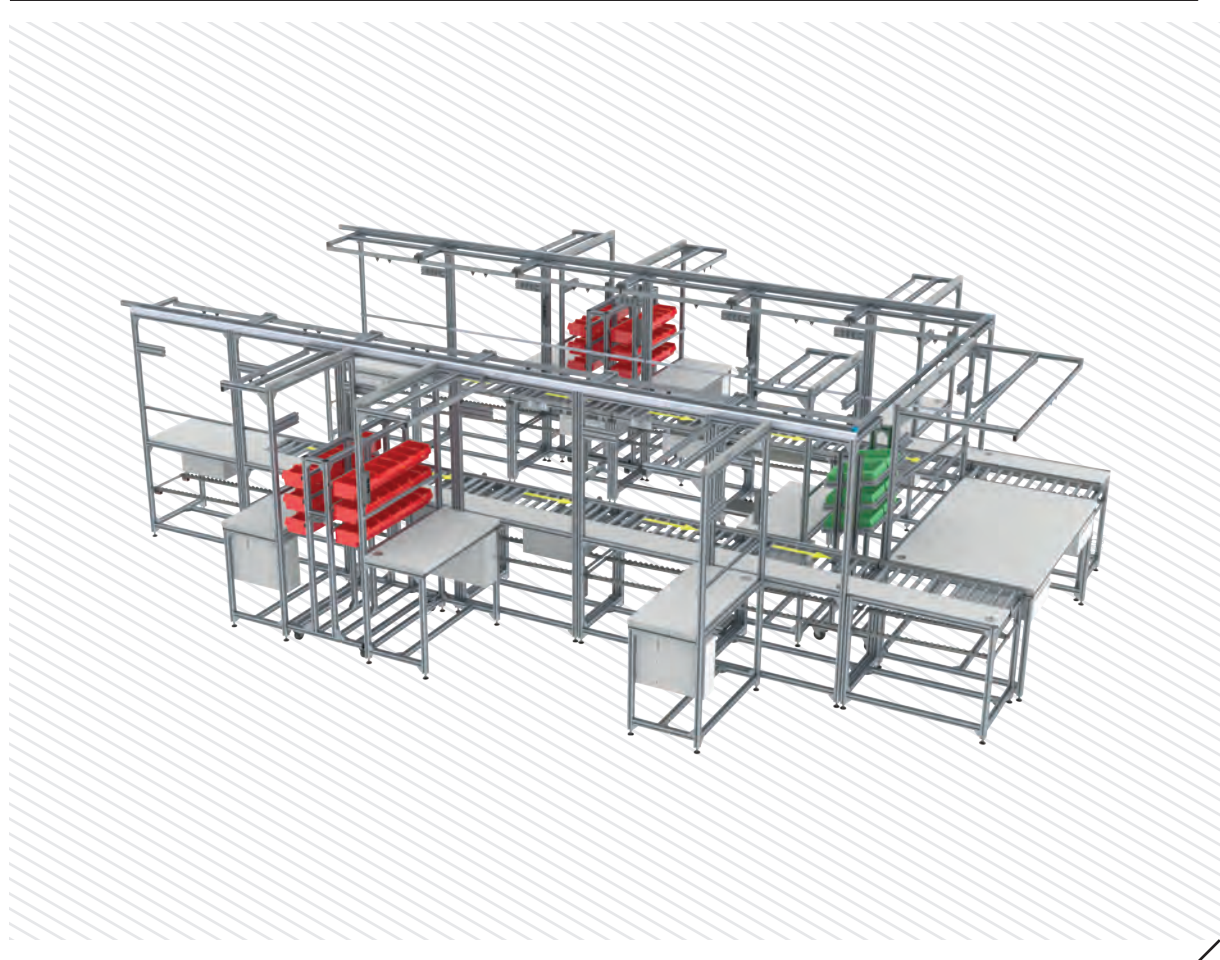
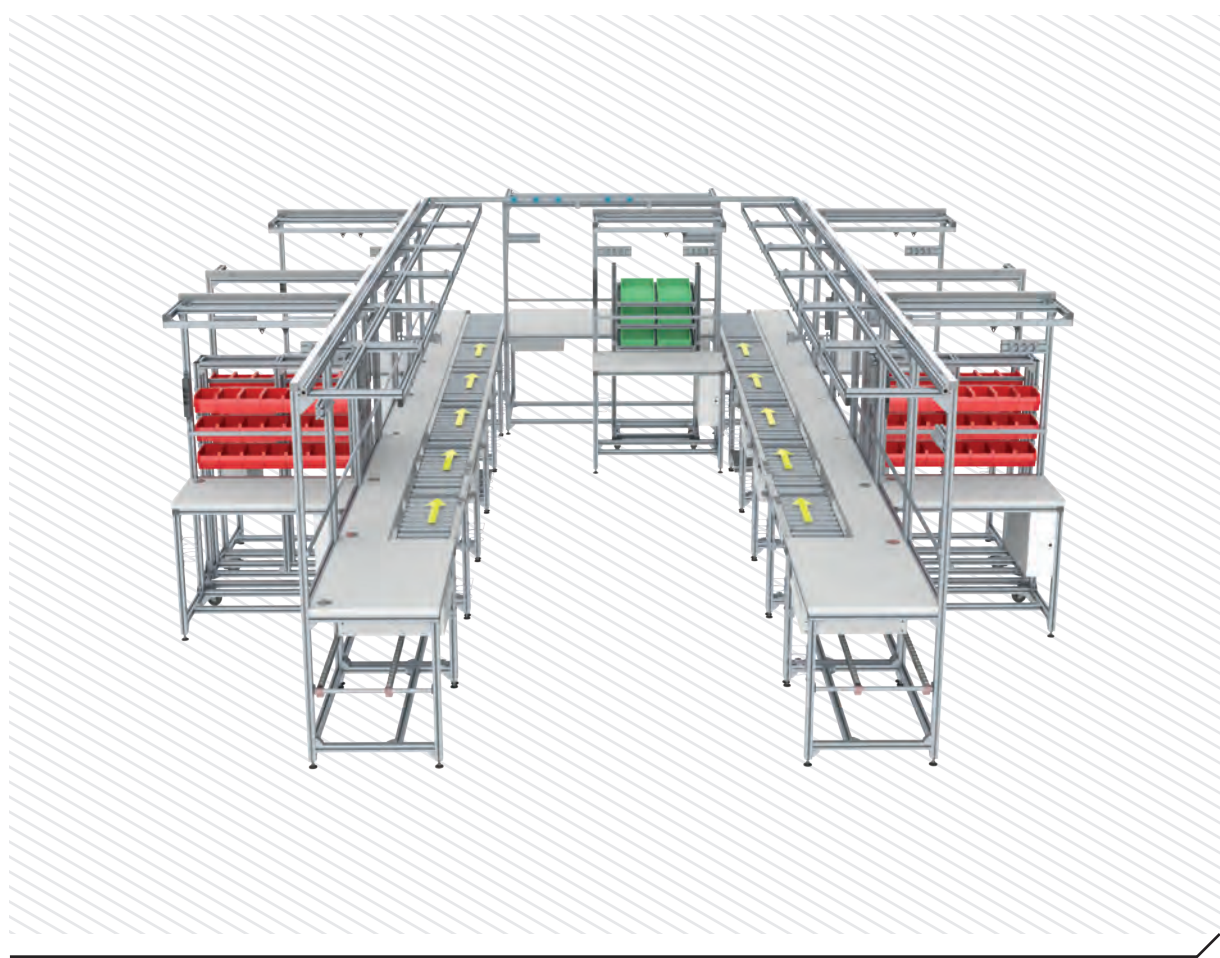
SEZIONE - SECTION

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# Galleria applicazioni

Applications gallery

# Linee di assemblaggio

Assembly lines

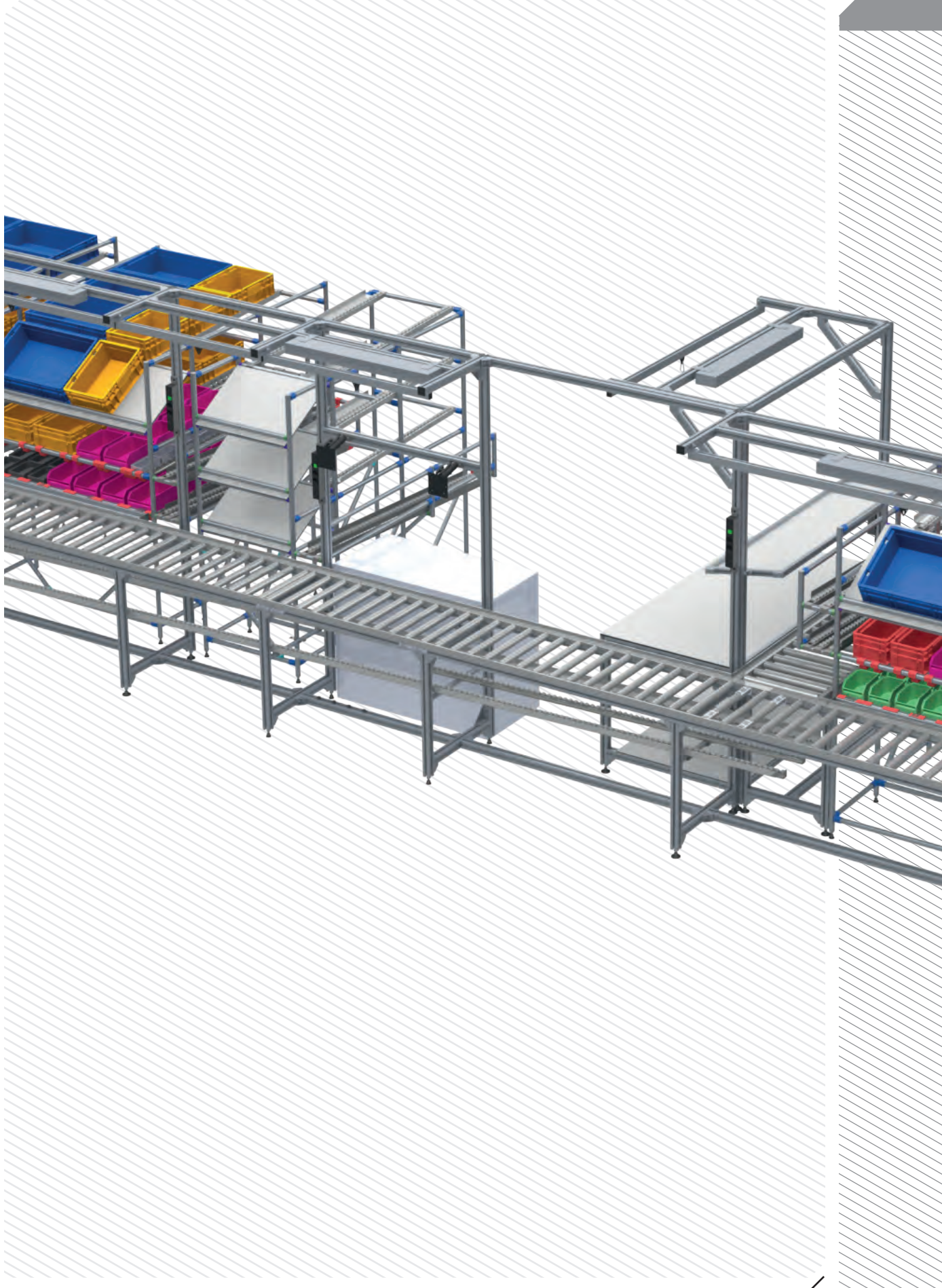
LEAN GREEN FACTORY CATALOGUE

A

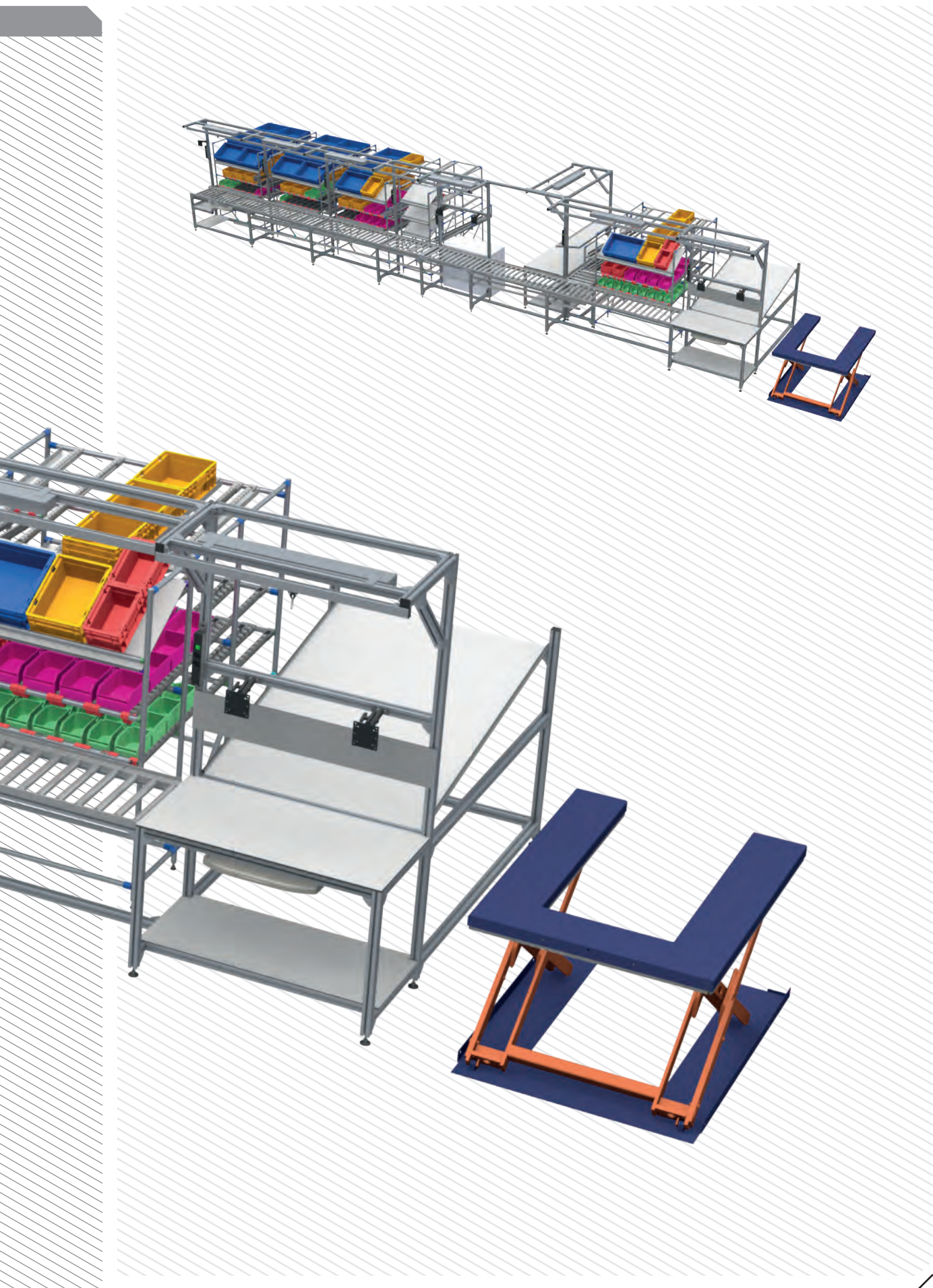
SEZIONE - SECTION

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# Galleria applicazioni

Applications gallery

# Linee di assemblaggio

Assembly lines

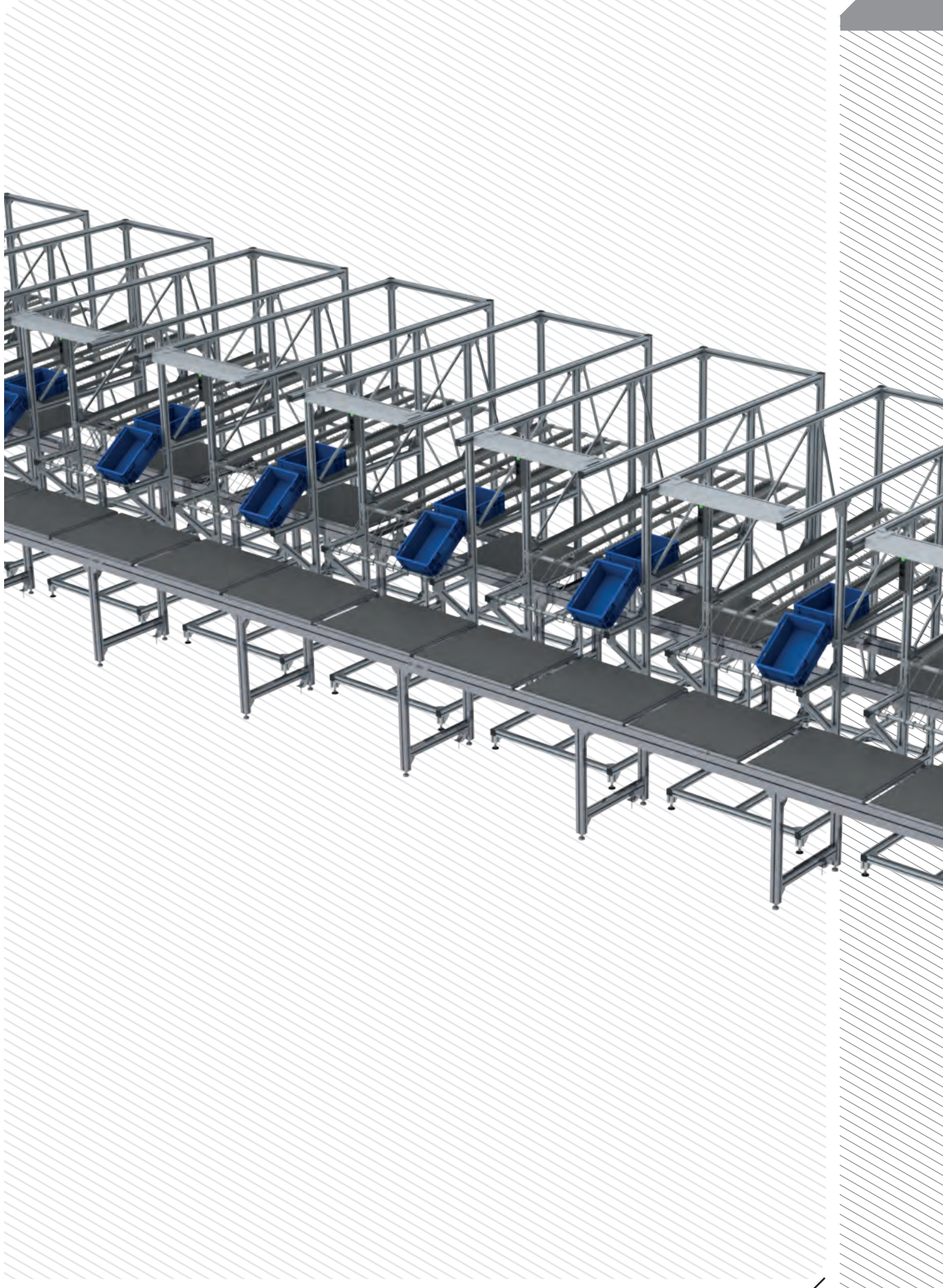
LEAN GREEN FACTORY CATALOGUE

A

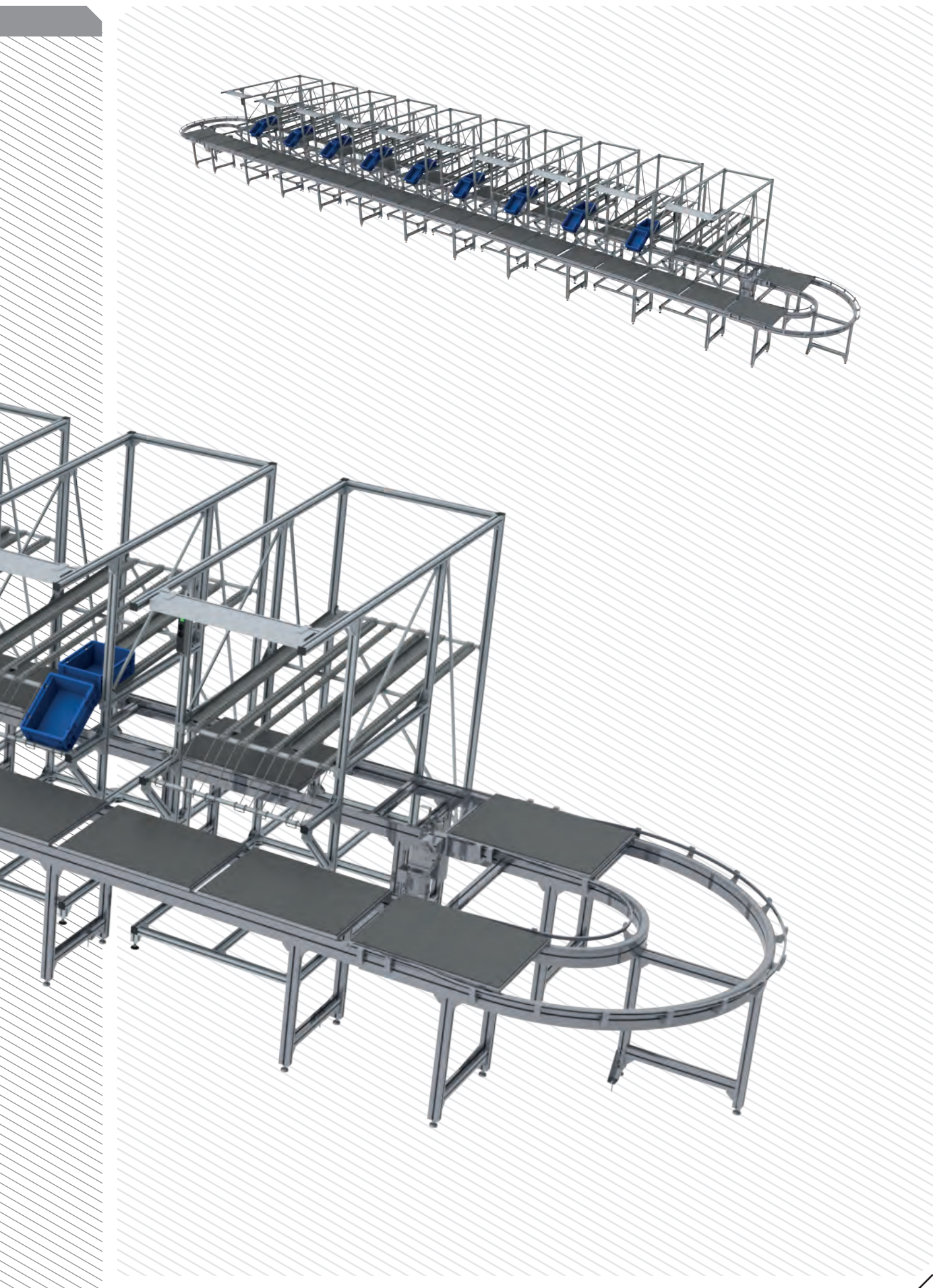
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# Indice visivo Sezioni

## Sections visual index

LEAN GREEN FACTORY CATALOGUE

A

SEZIONE - SECTION

V 4.0

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### GF-N

Ø 28 mm



### GF-G

Ø 43 mm





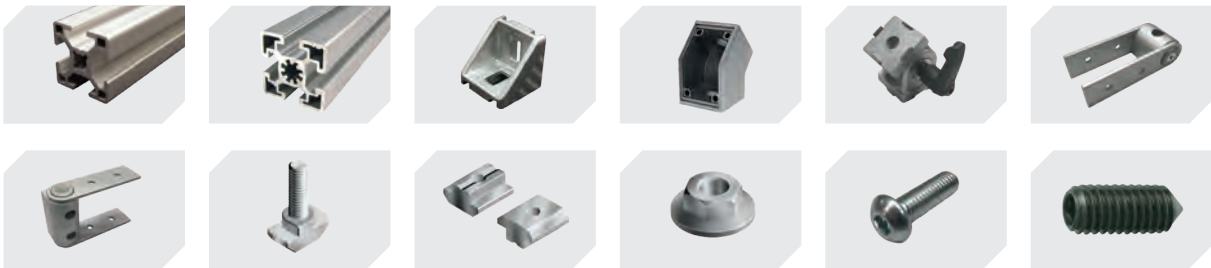


## GF-S

Ø 19 mm



## GF-Q



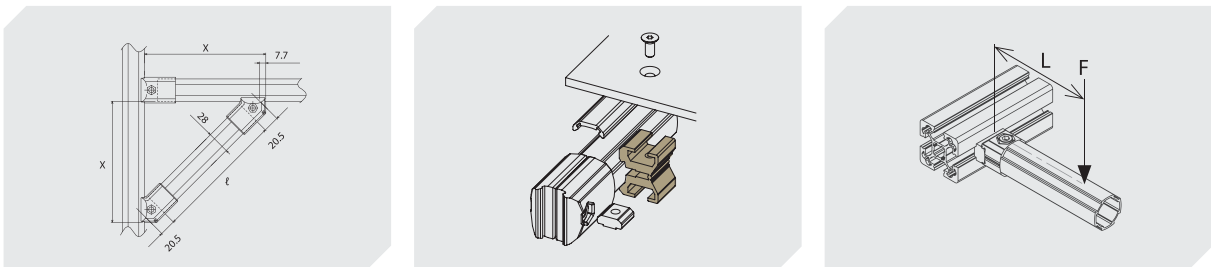
## Accessori

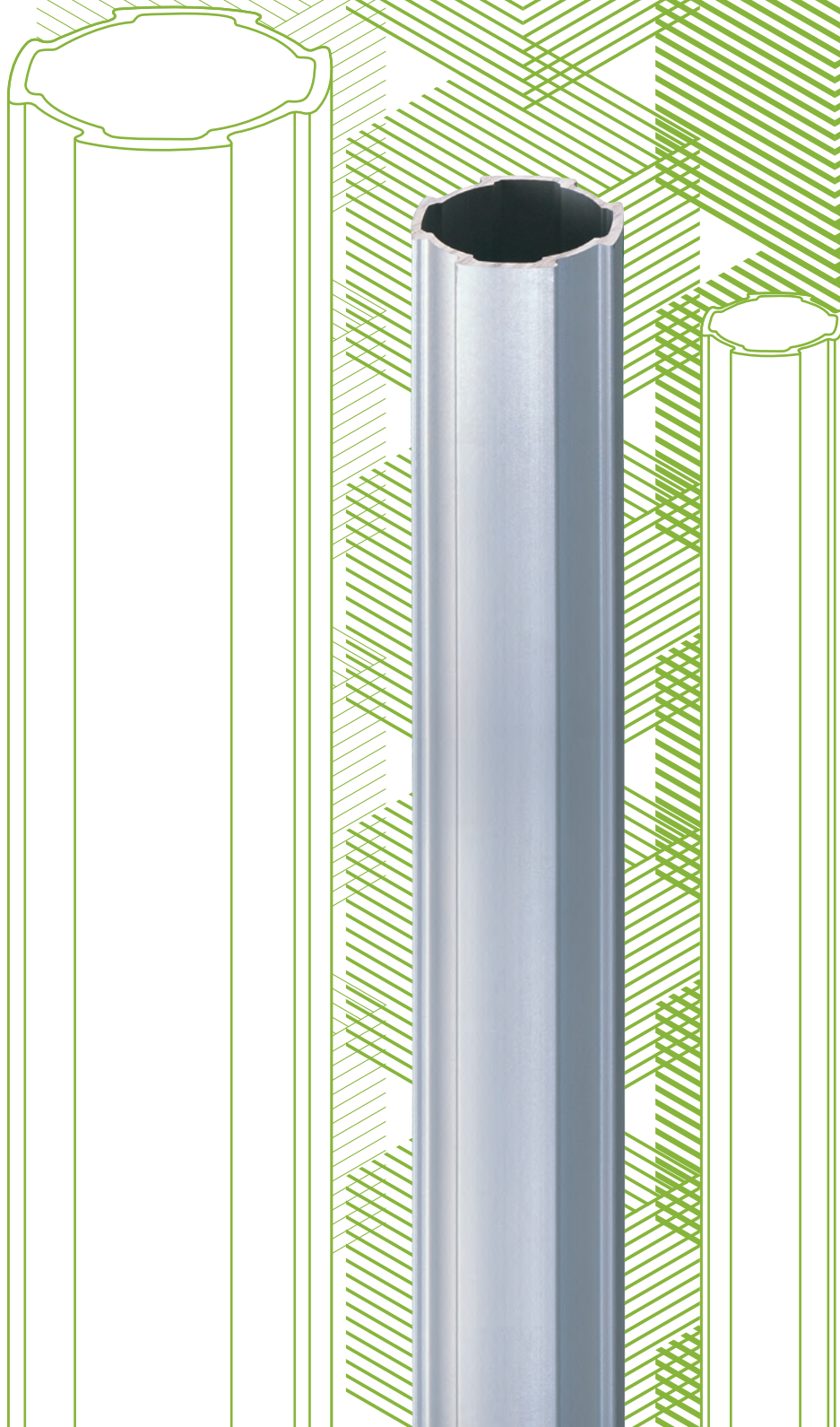
Accessories



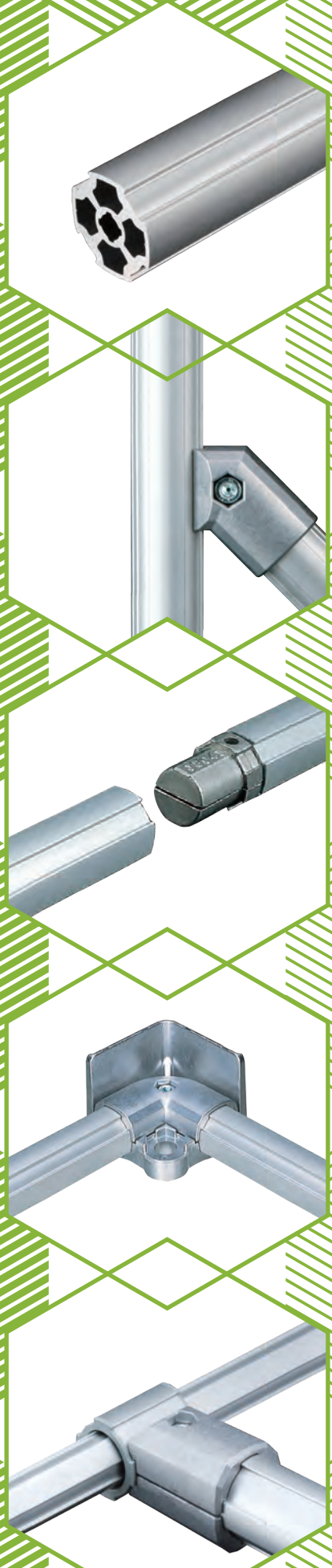
## Dati tecnici

Technical data









# GF-N 28 mm

Dimensione Esterna  
Outer Dimension

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T +39 0434 572757 - F +39 0434 572750  
info@LeanProducts.eu - www.LeanProducts.eu

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SEZIONE - SECTION

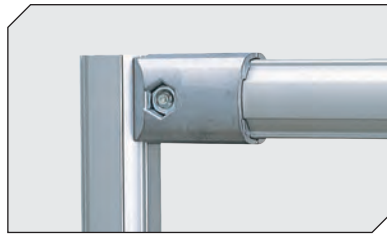
B

LEAN GREEN FACTORY CATALOGUE

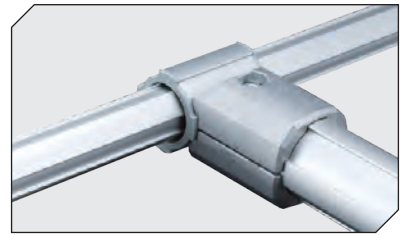
# Index



B-3 **Profili**  
Frames



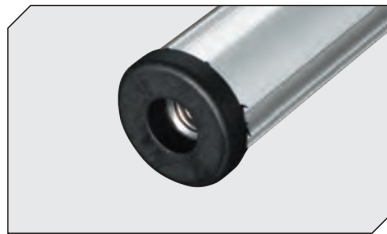
B-7 **Connettori**  
Connectors



B-17 **Componenti Mobili**  
Moving Parts



B-27 **Accessori**  
Accessories



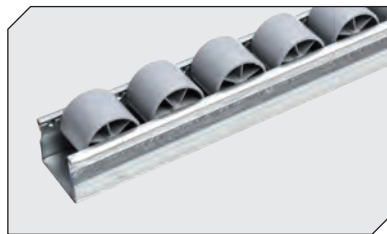
B-36 **Componenti Piede**  
Foot Components



B-44 **Pannelli**  
Panel Boards



B-49 **Componenti Porte**  
Door Parts



B-53 **Supermarkets e rulliere**  
Supermarkets and racks

# Profili Frames

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SEZIONE - SECTION

B

LEAN GREEN FACTORY CATALOGUE



# Profili

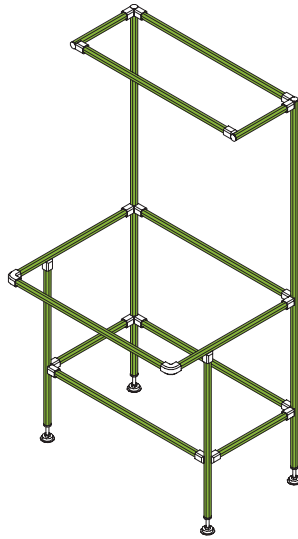
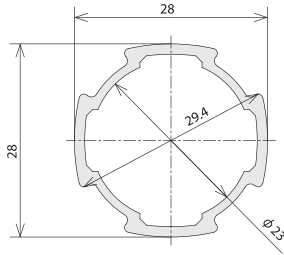
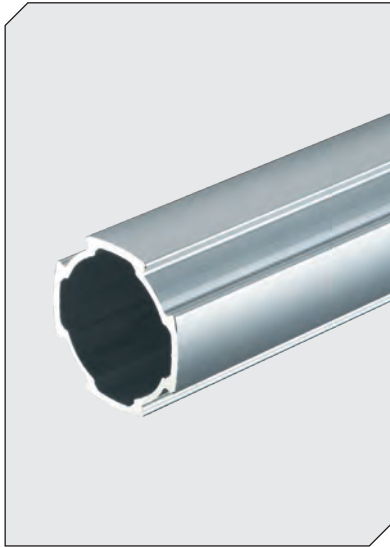
## Frames

SUS

LEAN GREEN FACTORY CATALOGUE

### Profilo GF-N

Green Frame



NOME	Profilo GF-N	L= 4000 mm
NAME	Green Frame	
CODE	GFF-000	

COMPATIBLE FRAME CAP ▶ B-34 / 35		
	Inner Cap	GFA-400
	Inner Cap ESD	GFA-411
	Outer Cap	GFA-401
	Rounded Inner Cap	GFA-404
	Metal End Cap	GFA-414

- Il profilo standard GF 28 mm è universale per funzionalità e resistenza.
- GF Series Standard Frame 28 mm type is a universal type for both functional and strength.

**TECHNICAL DATA**

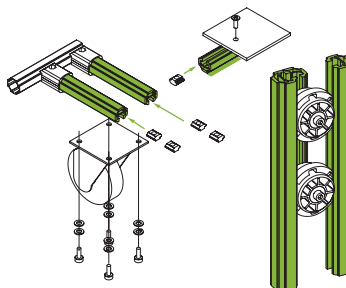
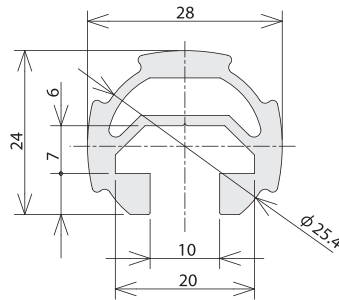
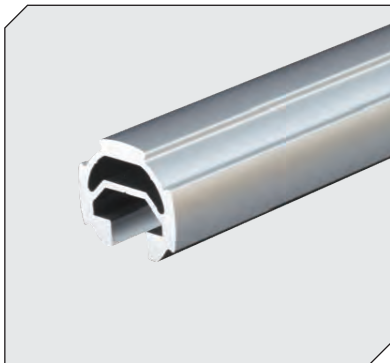
- Section secondary momentum:  $I_x=1.16 \times 10^4 \text{ mm}^4 / I_y=1.16 \times 10^4 \text{ mm}^4$
- Section coefficient:  $Z_x=0.83 \times 10^3 \text{ mm}^3 / Z_y=0.83 \times 10^3 \text{ mm}^3$
- Mass Unit: 0.37 kg / m

B

SEZIONE - SECTION

### Profilo GF-N C10

Green Frame L Slot



NOME	Profilo GF-N C10	L= 4000 mm
NAME	Green Frame L Slot	
CODE	GFF-004	

COMPATIBLE FRAME CAP ▶ B-34 / 36		
	GF L Slot Inner Cap	GFA-405
	Outer Cap	GFA-401

- Sfruttare la cava del profilo per il fissaggio di vari componenti tra cui, in particolare ruote con piastra, utilizzando i dadi con testa a martello.
- La cava del profilo può essere utilizzata come sistema di guida.

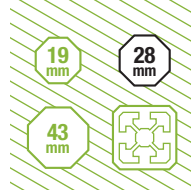
- Frames Slot can be use for the installation various parts in particular plate fixing wheels with hammer head nut.
- Slot can be used as a guide rail for slot roller.

**TECHNICAL DATA**

- Section secondary momentum:  $I_x=1.19 \times 10^4 \text{ mm}^4 / I_y=1.19 \times 10^4 \text{ mm}^4$
- Section coefficient:  $Z_x=0.96 \times 10^3 \text{ mm}^3 / Z_y=1.42 \times 10^3 \text{ mm}^3$
- Mass Unit: 0.68 kg / m

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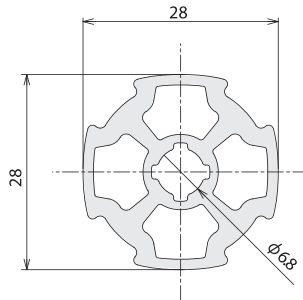


## Profilo GF-N T

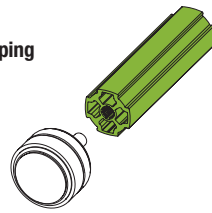
Green Frame T



NOME	Profilo GF-N T	L= 4000 mm
NAME	Green Frame T	
CODE	GFF-017	



► M8 tapping



COMPATIBLE FRAME CAP ► B-34 / 35		
	GF T Inner Cap	GFA-410
	Outer Cap	GFA-401

- Resistenza doppia rispetto a GFF-000.
- Possibile filettatura M8 all'estremità.
- Flex Streight about 2 times than GFF-000.
- Capable to have tapping at the end (M8).

### TECHNICAL DATA

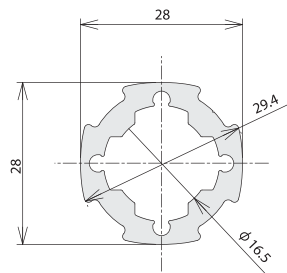
- Section secondary momentum:  $I_x=1.72 \times 10^4 \text{ mm}^4 / I_y=1.72 \times 10^4 \text{ mm}^4$
- Section coefficient:  $Z_x=1.23 \times 10^3 \text{ mm}^3 / Z_y=1.23 \times 10^3 \text{ mm}^3$
- Mass Unit: 0.79 kg / m

## Profilo GF-N hard

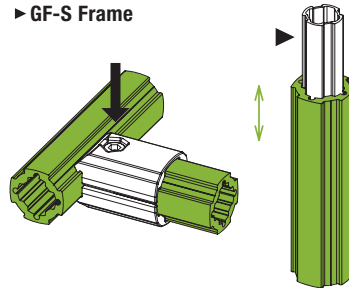
Green Frame hard



NOME	Profilo GF-N hard	L= 4000 mm
NAME	Green Frame hard	
CODE	GFF-019	



► GF-S Frame



COMPATIBLE FRAME CAP ► B-34 / 35		
	Outer Cap	GFA-401

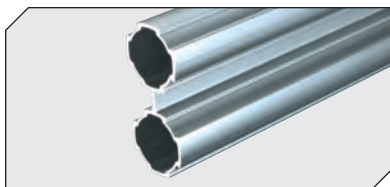
- Resistenza 2.4 volte superiore a GFF-000.
- Soluzione telescopica con profilo GF-S.
- Flex Streight about 2.4 times than GFF-000.
- Telescopic solutions with GF-S Frame.

### TECHNICAL DATA

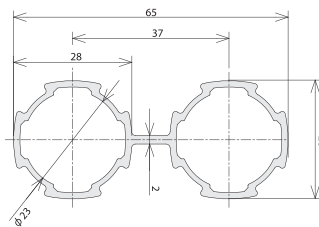
- Section secondary momentum:  $I_x=2.01 \times 10^4 \text{ mm}^4 / I_y=2.01 \times 10^4 \text{ mm}^4$
- Section coefficient:  $Z_x=1.44 \times 10^3 \text{ mm}^3 / Z_y=1.44 \times 10^3 \text{ mm}^3$
- Mass Unit: 0.76 kg / m

## Profilo GF-N W

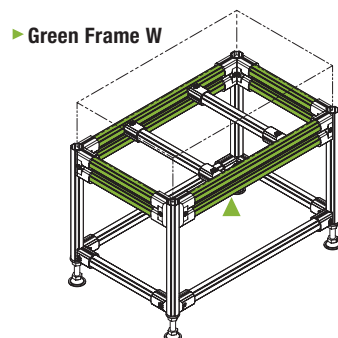
Green Frame W



NOME	Profilo GF-N W
NAME	Green Frame W
CODE	GFF-003



► Green Frame W



COMPATIBLE FRAME CAP ► B-34 / 35		
	Inner Cap	GFA-400
	Inner Cap ESD	GFA-411
	Metal End Cap	GFA-414

- Utilizzare connettore GFJ-012 o conn. interni.
- Ottima resistenza alla flessione in orizzontale.
- Flex Streight about 2.4 times than GFF-000.
- Telescopic solutions with GF-S Frame.

### TECHNICAL DATA

- Section secondary momentum:  $I_x=11.66 \times 10^4 \text{ mm}^4 / I_y=2.31 \times 10^4 \text{ mm}^4$
- Section coefficient:  $Z_x=3.59 \times 10^3 \text{ mm}^3 / Z_y=1.65 \times 10^3 \text{ mm}^3$
- Mass Unit: 0.79 kg / m

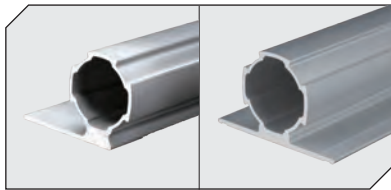
# Profili

## Frames

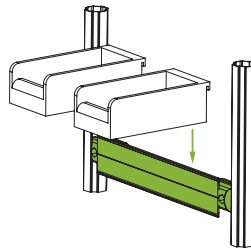
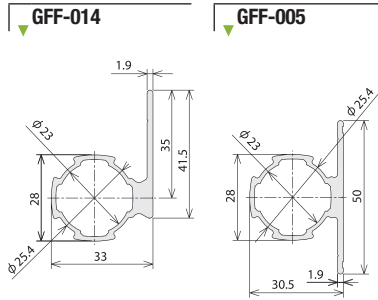
SUS

### Profilo GF-N F35 / F50

Green Frame F35 / F50



NOME	Profilo GF-N F35	Profilo GF-N F50
NAME	Green Frame F35	Green Frame F50
L= 4000 mm		
CODE	GFF-014	GFF-005



COMPATIBLE FRAME CAP ▶ B-34 / 35		
	Inner Cap	GFA-400
	Inner Cap ESD	GFA-411
	Metal End Cap	GFA-414

■ Possibile utilizzo per fissaggio contenitori e creazione di vassoi.

■ Possible use for suitable to hold plastic boxes or for shelves.

**TECHNICAL DATA**

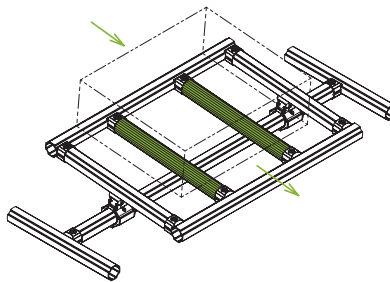
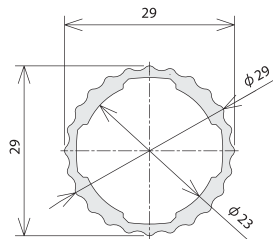
- Section secondary momentum:  
F35  $I_x=3.37 \times 10^4 \text{ mm}^4$  /  $I_y=3.02 \times 10^4 \text{ mm}^4$   
F50  $I_x=3.04 \times 10^4 \text{ mm}^4$  /  $I_y=2.56 \times 10^4 \text{ mm}^4$
- Section coefficient:  
F35  $Z_x=1.10 \times 10^3 \text{ mm}^3$  /  $Z_y=1.38 \times 10^3 \text{ mm}^3$   
F50  $Z_x=1.22 \times 10^3 \text{ mm}^3$  /  $Z_y=1.24 \times 10^3 \text{ mm}^3$
- Mass Unit: GFF-014 0.67 Kg / m  
GFF-005 0.65 Kg / m

### Profilo GF-N Slide

Green Frame Slide



NOME	Profilo GF-N Slide	L= 4000 mm
NAME	Green Frame Slide	
CODE	GFF-006	



COMPATIBLE FRAME CAP ▶ B-34 / 35		
	Inner Cap	GFA-400
	Inner Cap ESD	GFA-411
	Outer Cap	GFA-401
	Metal End Cap	GFA-414

■ Basso attrito durante lo scivolamento.

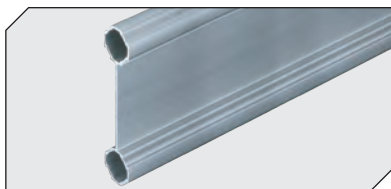
■ Low friction during slide.

**TECHNICAL DATA**

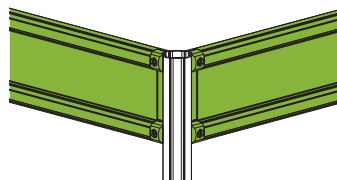
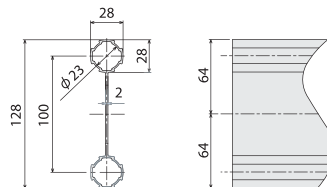
- Section secondary momentum:  
 $I_x=1.47 \times 10^4 \text{ mm}^4$  /  $I_y=1.47 \times 10^4 \text{ mm}^4$
- Section coefficient:  
 $Z_x=1.01 \times 10^3 \text{ mm}^3$  /  $Z_y=1.01 \times 10^3 \text{ mm}^3$
- Mass Unit: 0.46 kg / m

### Profilo GF-N P100

Green Frame P100



NOME	Profilo GF-N P100	L= 4000 mm
NAME	Green Frame P100	
CODE	GFF-001	



COMPATIBLE FRAME CAP ▶ B-34 / 35		
	Inner Cap	GFA-400
	Inner Cap Conductive	GFA-411
	Metal End Cap	GFA-414

**TECHNICAL DATA**

- Section secondary momentum:  
 $I_x=76.81 \times 10^4 \text{ mm}^4$  /  $I_y=2.32 \times 10^4 \text{ mm}^4$
- Section coefficient:  
 $Z_x=12.00 \times 10^3 \text{ mm}^3$  /  $Z_y=1.65 \times 10^3 \text{ mm}^3$
- Mass Unit: 1.13 kg / m



# Connettori

# Connectors

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V40

SEZIONE - SECTION

B

LEAN GREEN FACTORY CATALOGUE

# Connettori

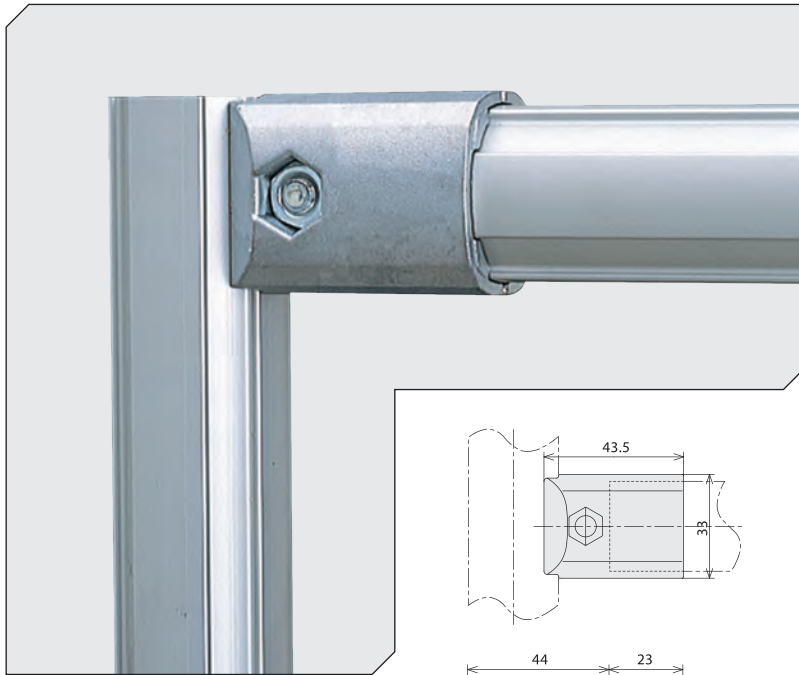
Connectors

SUS

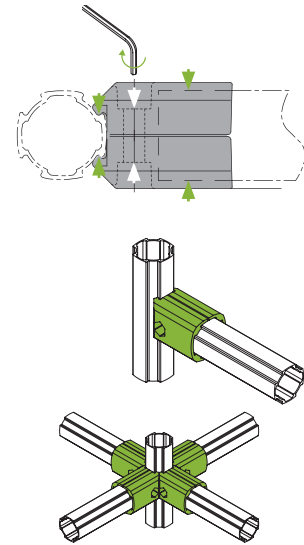
LEAN GREEN FACTORY CATALOGUE

## Connettore 90° Esterno

Multi connector Outer type



<b>NOME</b>	<b>Connettore 90° Esterno</b>
<b>NAME</b>	Multi connector Outer type
<b>CODE</b>	<b>GFJ-000</b>



- Con questo unico accessorio possono essere realizzate molteplici soluzioni.
- Fissaggio con una sola vite.
- Compatibile con GF-G (43 mm).

- Various solution can be assembled with this single connector.
- To fastening the joint of the frame requires only 1 bolt and a wrench.
- Suitable for GF-G (43 mm).

**TECHNICAL DATA**  
■ Weight: 61 g

B

SEZIONE - SECTION

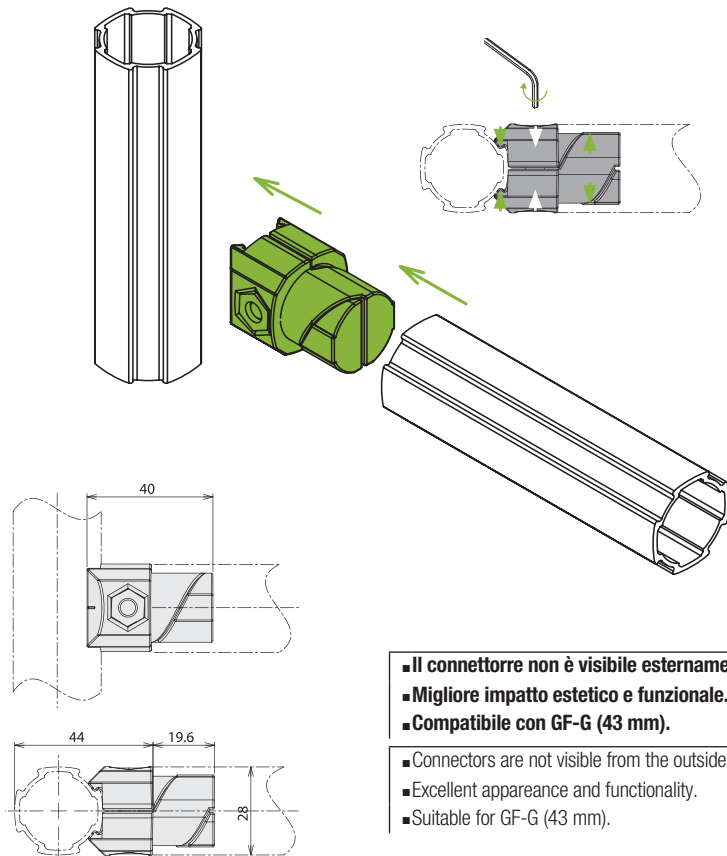
V 4.0

## Connettore 90° Interno

Multi connector Inner type



<b>NOME</b>	<b>Connettore 90° Interno</b>
<b>NAME</b>	Multi connector Inner type
<b>CODE</b>	<b>GFJ-200</b>

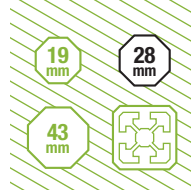


- Il connettore non è visibile esternamente.
- Migliore impatto estetico e funzionale.
- Compatibile con GF-G (43 mm).

- Connectors are not visible from the outside.
- Excellent appearance and functionality.
- Suitable for GF-G (43 mm).

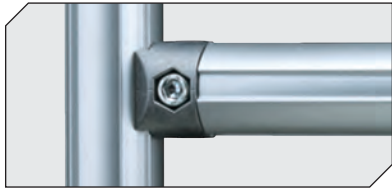
**TECHNICAL DATA**  
■ Weight: 54 g

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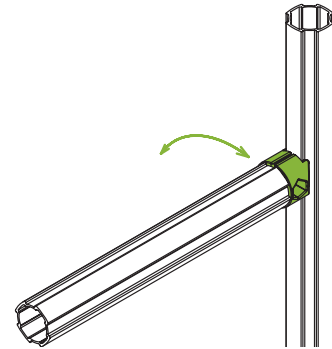
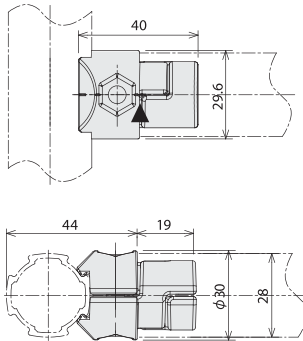
### Connettore 90° Interno R

Multi connector Inner type R



NOME	Connettore 90° Interno R
NAME	Multi connector Inner type R
CODE	GFJ-207

- Riferimento angolazione profilo
- Groove for checking alignment when frame rotate



- Permette il montaggio del profilo con qualsiasi angolo di rotazione.
- Compatibile con GF-G (43 mm).
- Frame can be rotated at any desired angle.
- Suitable for GF-G (43 mm).

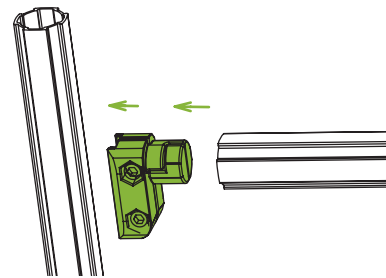
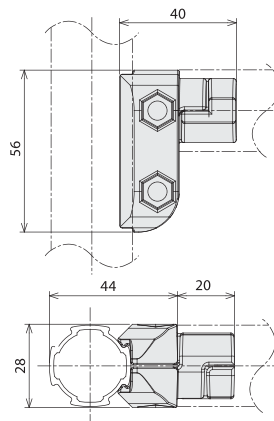
**TECHNICAL DATA**  
■ Weight: 54 g

### Connettore 90° Interno lungo

Multi connector long Inner type



NOME	Connettore 90° Interno lungo
NAME	Multi connector long Inner type
CODE	GFJ-215

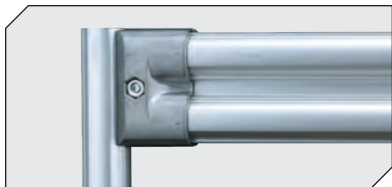


- Aumenta la resistenza allo scivolamento del giunto grazie alle due viti.
- Compatibile con GF-G (43 mm).
- Increase sliding strenght thanks to the two bolts.
- Suitable for GF-G (43 mm).

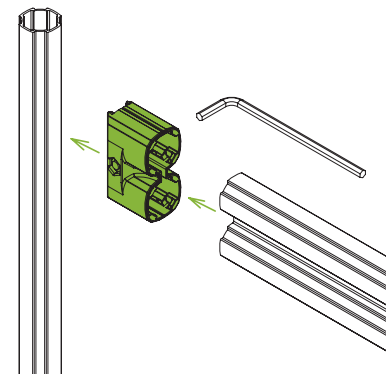
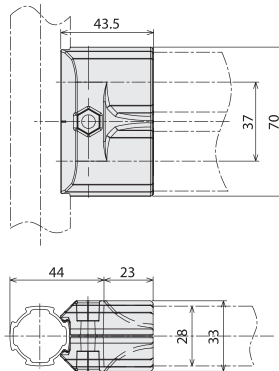
**TECHNICAL DATA**  
■ Weight: 82 g

### Connettore 90° Esterno W

Multi connector Outer type W



NOME	Connettore 90° Esterno W
NAME	Multi connector Outer type W
CODE	GFJ-012



- Connettore specifico per Green Frame W.
- Compatibile con GF-G (43 mm).
- Coupling connector for Green Frame W.
- Suitable for GF-G (43 mm).

**TECHNICAL DATA**  
■ Weight: 127 g



# Connettori

## Connectors

SUS

LEAN GREEN FACTORY CATALOGUE

B

SEZIONE - SECTION

V 4.0

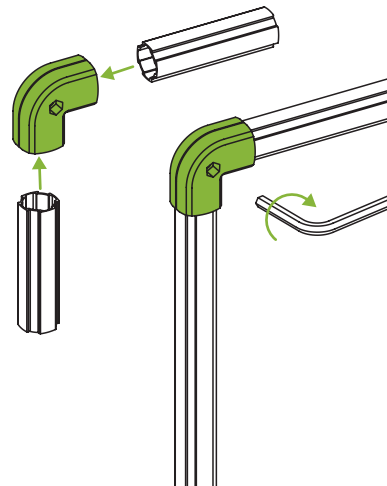
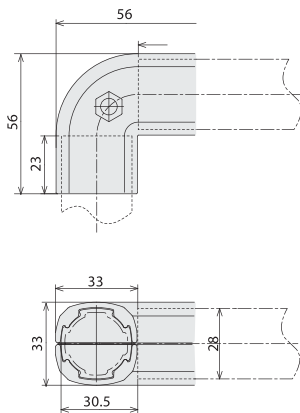
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### Connettore Esterno angolo 90°

Angle connector Outer type



NOME	Connettore Esterno angolo 90°
NAME	Angle connector Outer type
CODE	GFJ-005



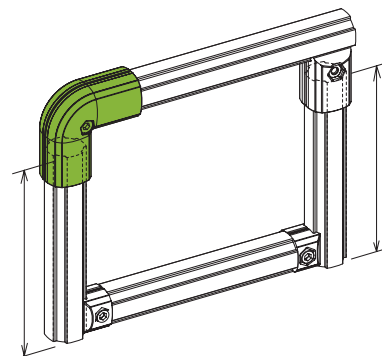
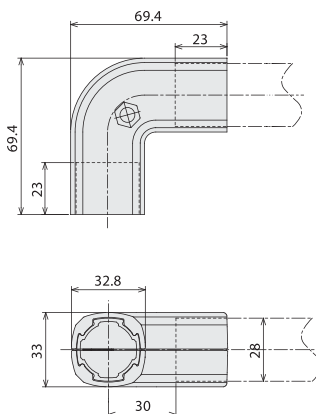
**TECHNICAL DATA**  
■ Weight: 96 g

### Connettore Esterno angolo 90° E

Angle connector Outer type E



NOME	Connettore Esterno angolo 90° E
NAME	Angle connector Outer type E
CODE	GFJ-010



■ Versione allungata per compatibilità con connettore 90°.  
■ Extended version for compatibility with 90° connector.

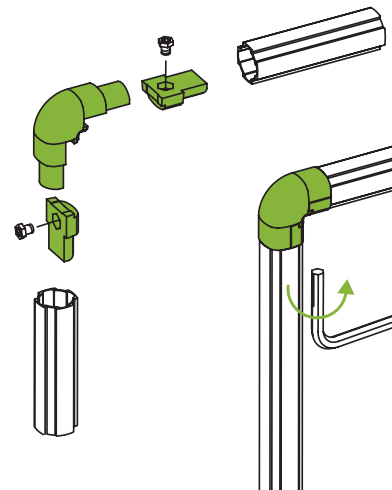
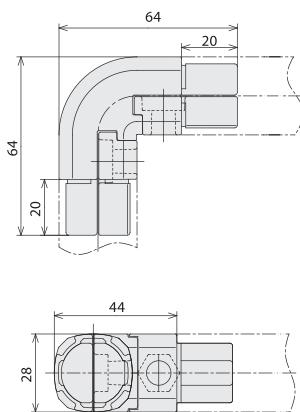
**TECHNICAL DATA**  
■ Weight: 162 g

### Connettore Interno angolo 90°

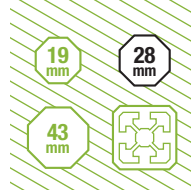
Angle connector Inner type



NOME	Connettore Interno angolo 90°
NAME	Angle connector Inner type
CODE	GFJ-204



**TECHNICAL DATA**  
■ Weight: 139 g

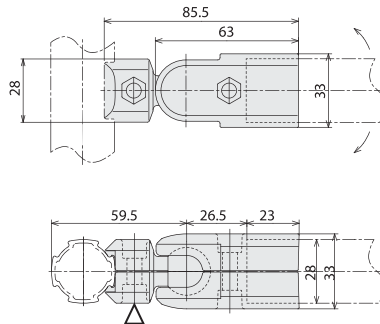


### Connettore Esterno snodato

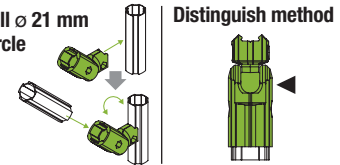
Free connector Outer type



NOME	Connettore Esterno snodato
NAME	Free connector Outer type
CODE	GFJ-002



- ▶ Ball Ø 21 mm
- ▶ Circle



- Fissaggio profilo con qualsiasi inclinazione.
- La seconda vite blocca la sfera ed il profilo.
- Compatibile con GF-G (43 mm).

- Freely set the angle to install the frame.
- Tighten the second bolt to fix the ball and the frame.
- Suitable for GF-G (43 mm).

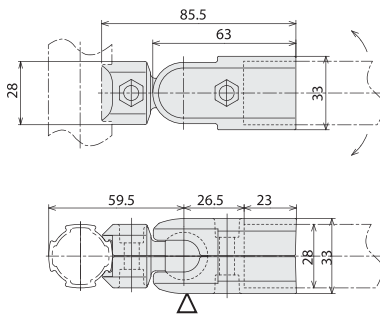
**TECHNICAL DATA**  
■ Weight: 127 g

### Connettore Interno snodato

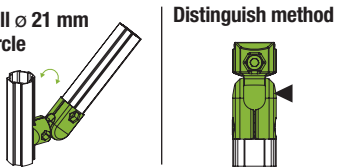
Free connector Inner type



NOME	Connettore Interno snodato
NAME	Free connector Inner type
CODE	GFJ-202



- ▶ Ball Ø 21 mm
- ▶ Circle



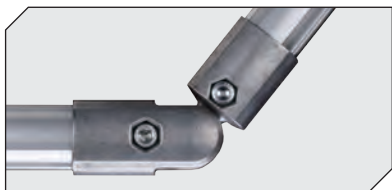
- Fissaggio profilo con qualsiasi inclinazione.
- Compatibile con GF-G (43 mm).

- Freely set the angle to install the frame.
- Suitable for GF-G (43 mm).

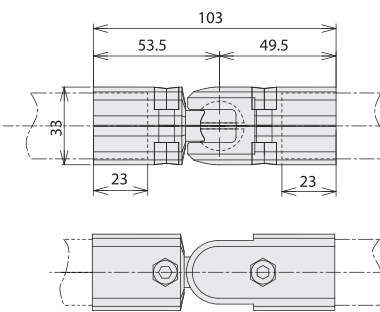
**TECHNICAL DATA**  
■ Weight: 110 g

### Connettore Esterno snodato H-F

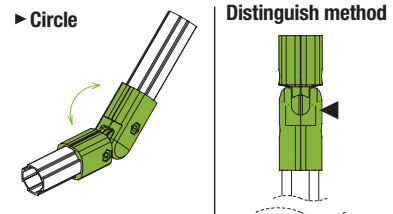
Free connector Outer type H-F



NOME	Connettore Esterno snodato H-F
NAME	Free connector Outer type H-F
CODE	GFJ-B00



- ▶ Circle



- Permette il collegamento lineare di due profili.
- Allows two frames to be connected in a linear way.

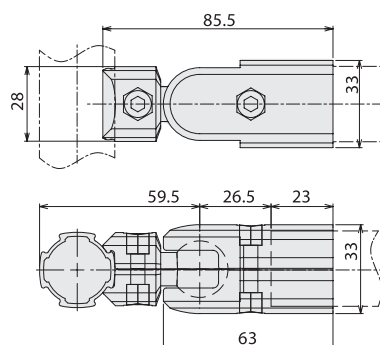
**TECHNICAL DATA**  
■ Weight: 110 g

### Connettore Esterno snodato V-M

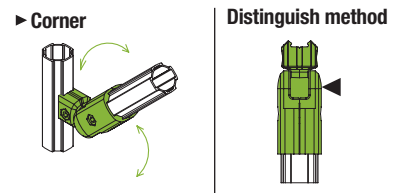
Free connector Outer type V-M



NOME	Connettore Esterno snodato V-M
NAME	Free connector Outer type V-M
CODE	GFJ-B01



- ▶ Corner



- Stringendo la vite il movimento rimane libero.
- After tightening the bolt, steel moves freely.

**TECHNICAL DATA**  
■ Weight: 127 g

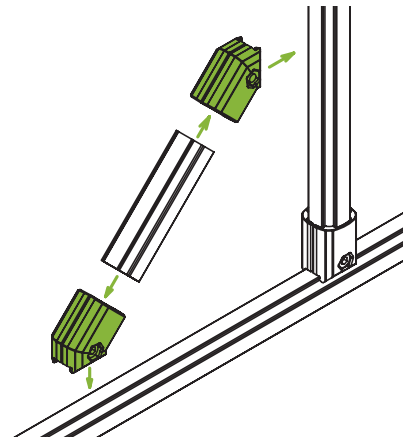
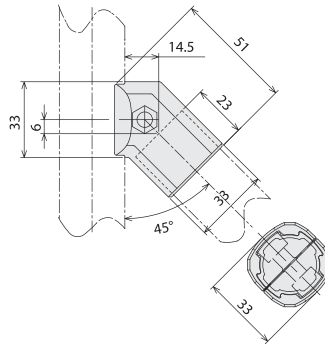
# Connettori

## Connectors

SUS

### Connettore 45° Esterno

45° Connector Outer type



<b>NOME</b>	<b>Connettore 45° Esterno</b>
<b>NAME</b>	45° Connector Outer type
<b>CODE</b>	<b>GFJ-007</b>

- **Compatibile con GF-G (43 mm).**

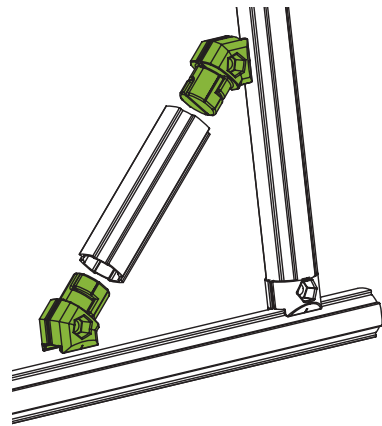
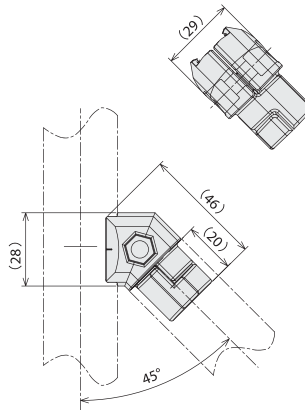
- Suitable for GF-G (43 mm).

**TECHNICAL DATA**

- **Weight: 61 g**

### Connettore 45° Interno

45° Connector Inner type



<b>NOME</b>	<b>Connettore 45° Interno</b>
<b>NAME</b>	45° Connector Inner type
<b>CODE</b>	<b>GFJ-220</b>

- **Compatibile con GF-G (43 mm).**

- Suitable for GF-G (43 mm).

**TECHNICAL DATA**

- **Weight: 55 g**



19 mm

28 mm

43 mm

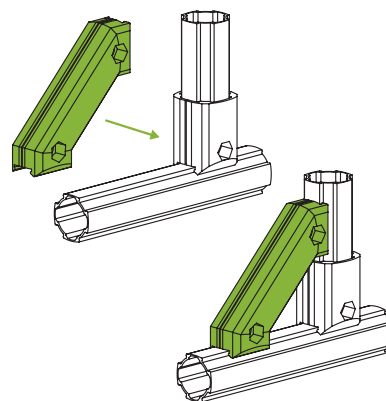
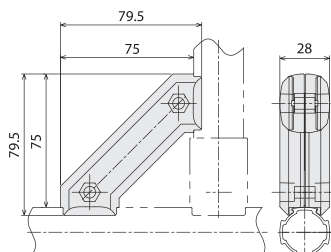


## Rinforzo 45°

Point connector



NOME	Rinforzo 45°
NAME	Point connector
CODE	GFJ-A15



- Soluzione per rinforzare le strutture.
- Easy reinforcement solution.

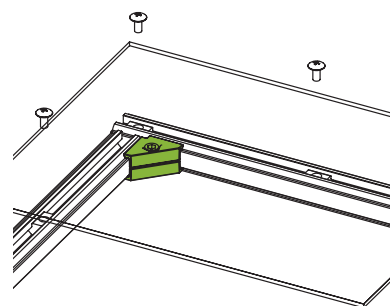
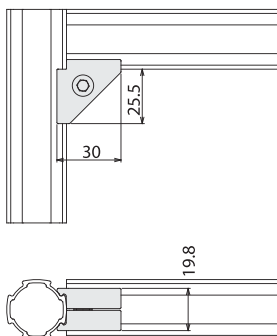
**TECHNICAL DATA**  
■ Weight: 123 g

## Rinforzo 45° Ribassato

Corner bracket



NOME	Rinforzo 45° Ribassato
NAME	Corner bracket
CODE	GFJ-032



- Soluzione per collegamento 45° Green Frame L Slot.
- Compatibile con GF-G (43 mm).
- 45° connector for Green Frame L Slot.
- Suitable for GF-G (43 mm).

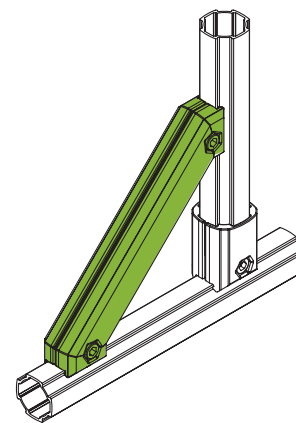
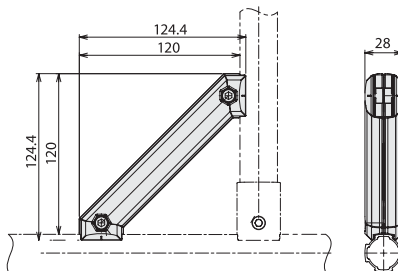
**TECHNICAL DATA**  
■ Weight: 23 g

## Rinforzo 45° lungo

Point connector long



NOME	Rinforzo 45° lungo
NAME	Point connector long
CODE	GFJ-B80



- Compatibile con GF-G (43 mm).
- Suitable for GF-G (43 mm).

**TECHNICAL DATA**  
■ Weight: 169 g

# Connettori

## Connectors

SUS

LEAN GREEN FACTORY CATALOGUE

B

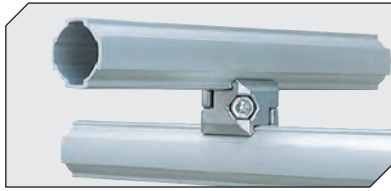
SEZIONE - SECTION

V 4.0

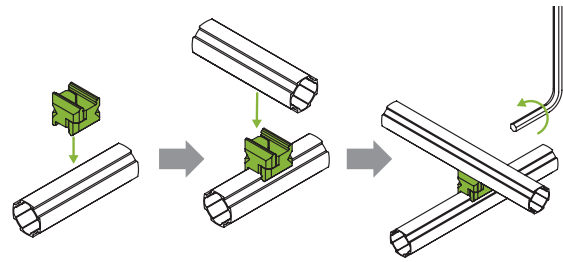
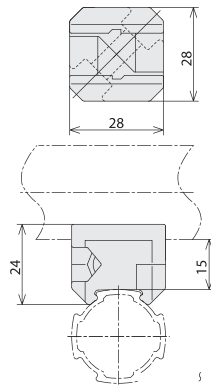
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### Connettore a croce

Cross connector



NOME	Connettore a croce
NAME	Cross connector
CODE	GFJ-A11



- Compatibile con GF-G (43 mm).
- Suitable for GF-G (43 mm).

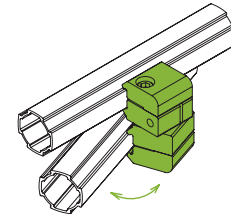
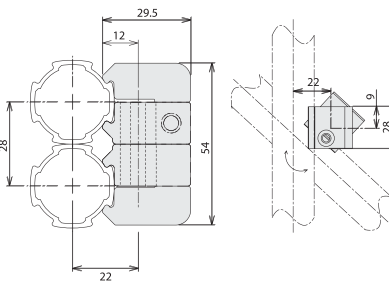
**TECHNICAL DATA**  
■ Weight: 38 g

### Connettore rotante a croce

Rotating cross connector



NOME	Connettore rotante a croce
NAME	Rotating cross connector
CODE	GFJ-B08



- Questo connettore permette il fissaggio con qualsiasi angolazione.
- This connector uses for cross join the frame in any angle.

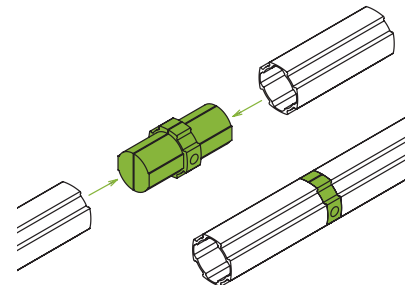
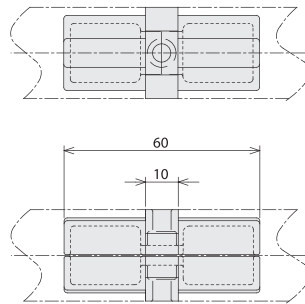
**TECHNICAL DATA**  
■ Weight: 132 g

### Connettore lineare

Straight connector



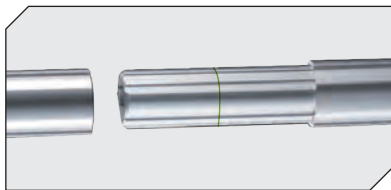
NOME	Connettore lineare
NAME	Straight connector
CODE	GFJ-A17



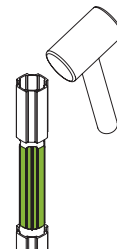
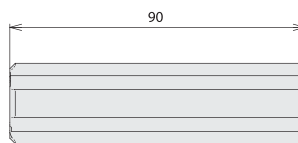
**TECHNICAL DATA**  
■ Material: Aluminium Diecast  
■ Weight: 113 g

### Giunto lineare

Straight Joint

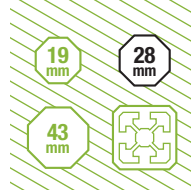


NOME	Giunto lineare
NAME	Straight Joint
CODE	GFJ-A46



- Inserire fino alla linea rossa centrale.
- Insert up to the central red line.

**TECHNICAL DATA**  
■ Material: Aluminium Diecast  
■ Weight: 29 g



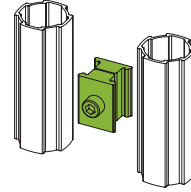
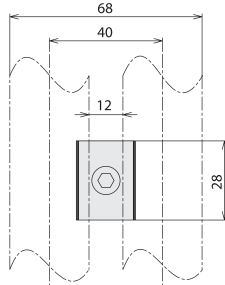
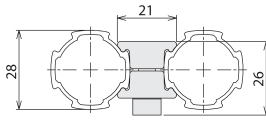
### Connettore parallelo

Double Connector C Kit



**NEW**

<b>NOME</b>	<b>Connettore parallelo</b>
<b>NAME</b>	Double Connector C Kit
<b>CODE</b>	<b>GFJ-A45</b>



- Nuova versione del connettore GFJ-A42.
- Compatibile con GF-G (43 mm).
- New version joint GFJ-A42.
- Suitable for GF-G (43 mm).

**TECHNICAL DATA**  
 ■ Material: Extruded Aluminium  
 ■ Weight: 27 g

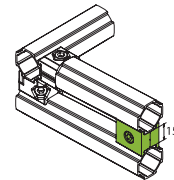
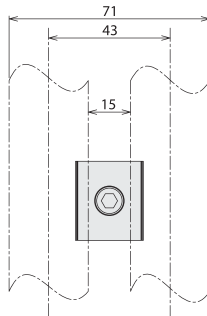
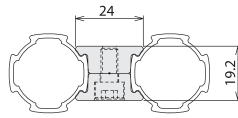
### Connettore parallelo P15

Double Connector P15



**NEW**

<b>NOME</b>	<b>Connettore parallelo P15</b>
<b>NAME</b>	Double Connector P15
<b>CODE</b>	<b>GFJ-A95</b>



- Connettore parallelo assieme a connettore a croce.
- Compatibile con GF-G (43 mm).
- Double connector can be used with cross connector.
- Suitable for GF-G (43 mm).

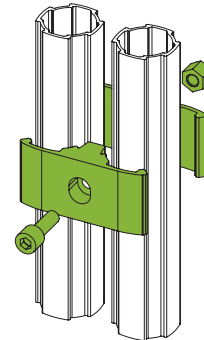
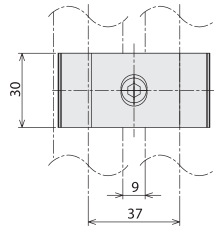
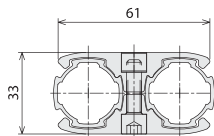
**TECHNICAL DATA**  
 ■ Material: Extruded Aluminium  
 ■ Weight: 29 g

### Connettore parallelo HD

HD Parallel Holder



<b>NOME</b>	<b>Connettore parallelo HD</b>
<b>NAME</b>	HD Parallel Holder
<b>CODE</b>	<b>GFJ-A47</b>



- TECHNICAL DATA**  
 ■ Material: Extruded Aluminium Diecast  
 ■ Weight: 65 g



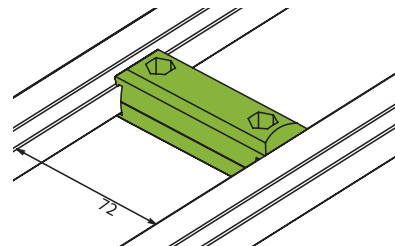
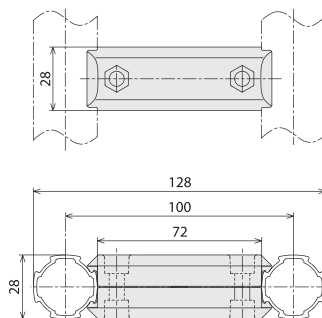
# Connettori

## Connectors

SUS

### Connettore a ponte

Bridge connector



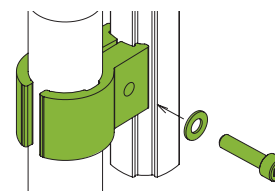
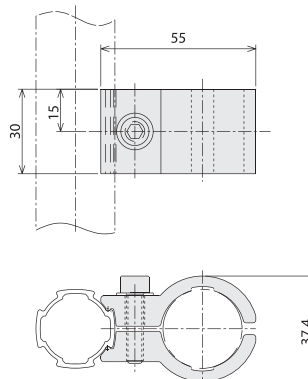
NOME	Connettore a ponte
NAME	Bridge connector
CODE	GFJ-A00

- Compatibile con GF-G (43 mm).
- Suitable for GF-G (43 mm).

**TECHNICAL DATA**  
 ■ Material: Aluminium Diecast  
 ■ Weight: 112 g

### Connettore per tubo

Pipe Holder



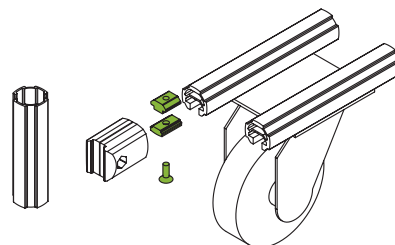
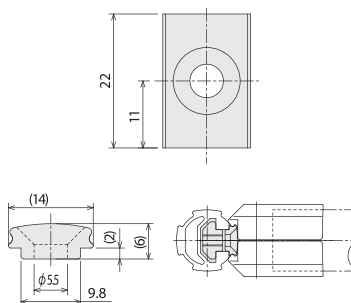
NOME	Connettore per tubo
NAME	Pipe Holder
CODE	GFA-001

- Connettore per tubolare (Ø 27 mm ~ Ø 30 mm).
- Compatibile con GF-G (43 mm).
- Connect Universal Pipe (Ø 27 mm ~ Ø 30 mm).
- Suitable for GF-G (43 mm).

**TECHNICAL DATA**  
 ■ Material: Extruded Aluminium Diecast  
 ■ Weight: 68 g

### Connettore C10

L Slot connector piece



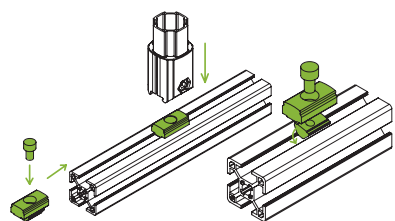
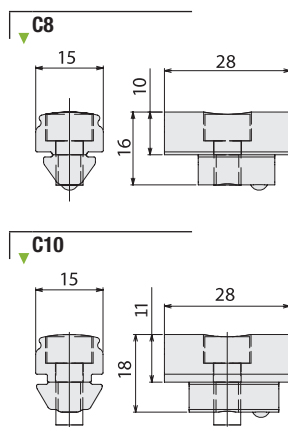
NOME	Connettore C10
NAME	L Slot connector piece
CODE	GFA-601

- Per ripristinare la cava su profilo GFF-004.
- Suitable to restore the L Slot on GFF-004.

**TECHNICAL DATA**  
 ■ Material: Aluminium Diecast  
 ■ Weight: 20 g

### Connettore GF-GFQ C8 / C10

GF-GFQ connector C10



NOME	Connettore GF-GFQ C8	Connettore GF-GFQ C10
NAME	GF-GFQ Connector C8	GF-GFQ Connector C10
CODE	GFA-603	GFA-607

- Connettore per profilo quadro.
- Square frame connector.

**TECHNICAL DATA**  
 ■ Material: Polypropylene  
 ■ Weight: GFA-603 19 g  
 GFA-607 25 g

# Componenti mobili

## Moving parts

**LeanProducts srl**  
Via Bassanti, 8 | 33170 Pordenone (PN)  
T +39 0434 572757 - F +39 0434 572750  
info@LeanProducts.eu - www.LeanProducts.eu

V40

SEZIONE - SECTION

B

LEAN GREEN FACTORY CATALOGUE

# Componenti mobili

## Moving parts

SUS

LEAN GREEN FACTORY CATALOGUE

B

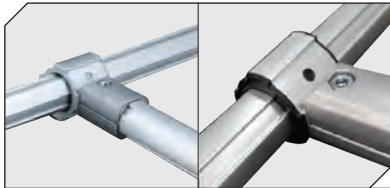
SEZIONE - SECTION

V 4.0

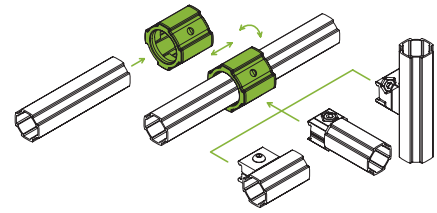
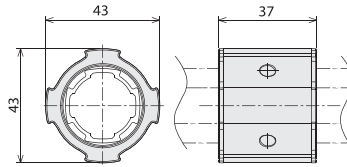
LEANPRODUCTS®  
Lean manufacturing

### Connettore Rotante / Scorrevole (ESD)

Hinge Connector (ESD)



<b>NOME</b>	Connettore Rotante / Scorrevole	
<b>NAME</b>	Hinge Connector	
<b>Colore</b>	Grigio	Nero
<b>Colors</b>	Grey	Black
<b>CODE</b>	GFJ-A04	GFJ-A04-T



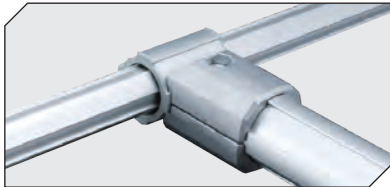
- Permette rotazione e movimento.
- Allows rotation and slide movement.

**TECHNICAL DATA**

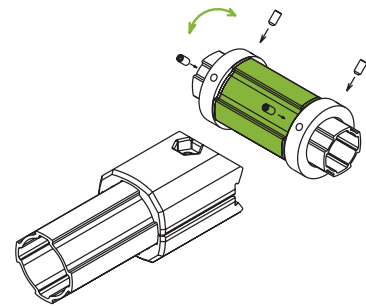
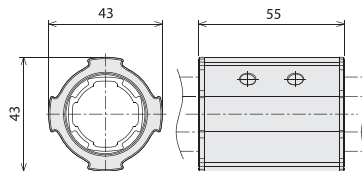
- Body Part Material: Extruded Aluminium
- Slide Bush Material: Polypropylene (ESD)
- Weight: 31 g

### Connettore Rotante / Scorrevole G

Hinge Connector G



<b>NOME</b>	Connettore Rotante / Scorrevole G	
<b>NAME</b>	Hinge Connector G	
<b>CODE</b>	GFJ-A07	

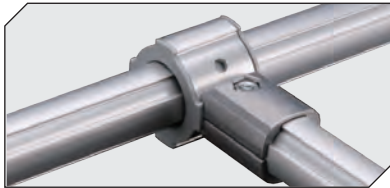


**TECHNICAL DATA**

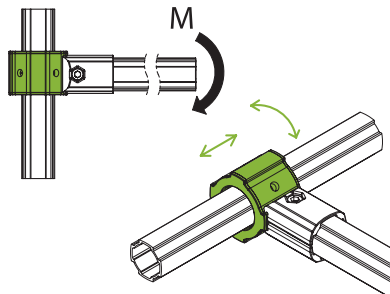
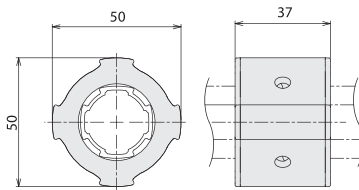
- Body Part Material: Extruded Aluminium
- Slide Bush Material: Polypropylene
- Weight: 45 g

### Connettore Rotante / Scorrevole Hard

Hinge Connector Hard



<b>NOME</b>	Connettore Rotante / Scorrevole Hard	
<b>NAME</b>	Hinge Connector Hard	
<b>CODE</b>	GFJ-A88	



**TECHNICAL DATA**

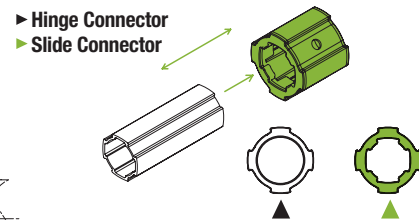
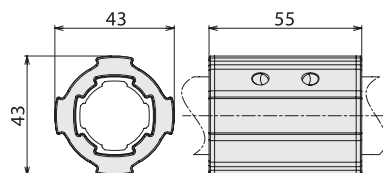
- Body Part Material: Extruded Aluminium
- Slide Bush Material: Nylon 6
- Weight: 62 g

### Connettore Scorrevole L

Slide Connector L



<b>NOME</b>	Connettore Scorrevole L	
<b>NAME</b>	Slide Connector L	
<b>CODE</b>	GFJ-B29	

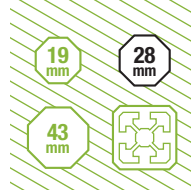


- Impedisce la rotazione.
- No rotation.

**TECHNICAL DATA**

- Body Part Material: Extruded Aluminium
- Slide Bush Material: Resin
- Weight: 48 g





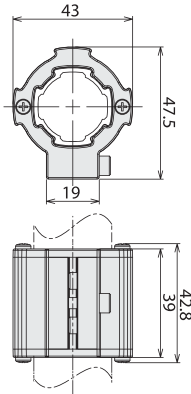
## Connettore Scorrevole con frizione

Linear Bush

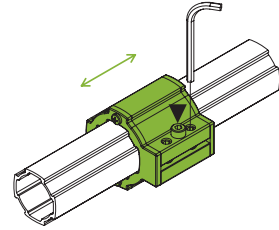


NEW

NOME	Connettore Scorrevole con frizione
NAME	Linear Bush
CODE	GFJ-B30



► Using Set Screw to adjust clearance

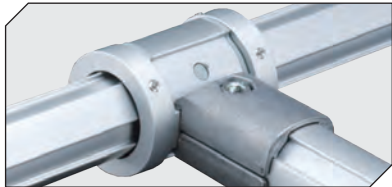


### TECHNICAL DATA

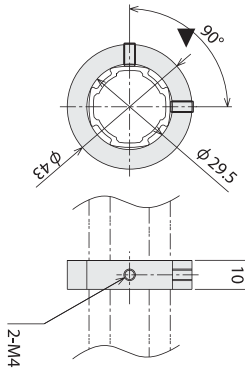
- Body Part Material: Extruded Aluminium
- Guide Material: Resin
- Bolt - Push Screw Material: Steel
- Weight: 61 g

## Bloccaggio per Connettore

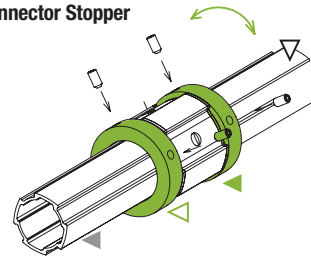
Hinge Connector Stopper



NOME	Bloccaggio per Connettore
NAME	Hinge Connector Stopper
CODE	GFJ-A09



- Set Screw 2-M4x8
- Hinge Connector
- ▼ Set Screw-M4
- ▼ Hinge Connector Stopper
- ▼ N Series



### TECHNICAL DATA

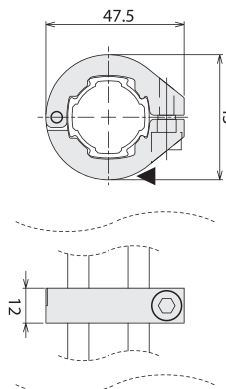
- Material: Extruded Aluminium
- Weight: 21 g

## Bloccaggio per Connettore HD

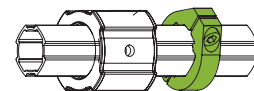
Hinge Connector Stopper Hard



NOME	Bloccaggio per Connettore HD
NAME	Hinge Connector Stopper Hard
CODE	GFJ-A61



► Hexagon socket head cap screw M6x12



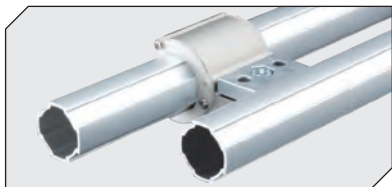
- Capacità di carico (750 N) è due volte rispetto al bloccaggio per connettore.
- Load Capacity (750 N) is 2 times than Hinge Connector Stopper.

### TECHNICAL DATA

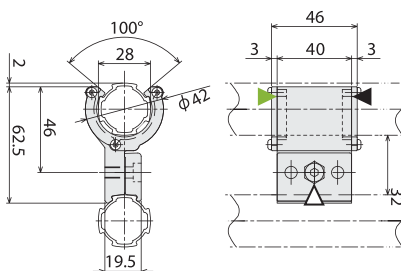
- Body Part Material: Aluminium Diecast
- Pin Material: Stainless
- Bolt - Nut Material: Steel
- Weight: 33 g

## Connettore Scorrevole

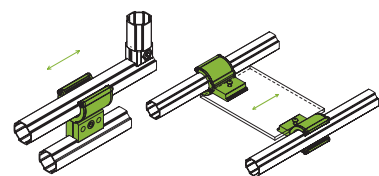
Slider Connector



NOME	Connettore Scorrevole
NAME	Slider Connector
CODE	GFJ-A38



- 2-Slide Bush
- 6-Sun Lock Screw M3x12
- ▼ Low Head Bolt M6x12



### TECHNICAL DATA

- Body Part Material: Extruded Aluminium
- Slide Bush Material: Polyacetal
- Weight: 130 g

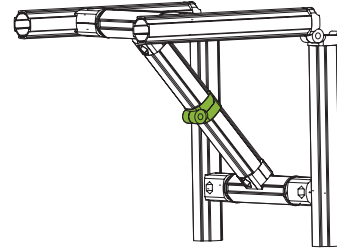
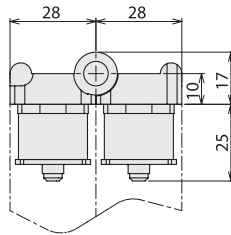
# Componenti mobili

## Moving parts

# SUS

### Connettore richiudibile

Folding Connector



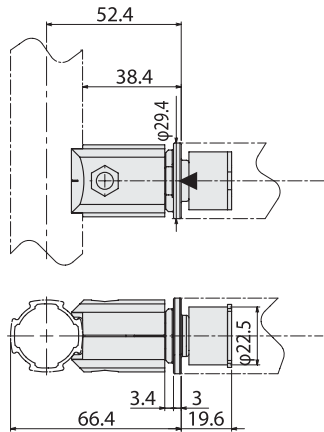
NOME	Connettore richiudibile
NAME	Folding Connector
CODE	GFJ-247

#### TECHNICAL DATA

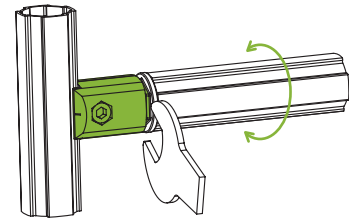
- Body Part Material: Aluminium
- Inside Material: Rubber
- Weight: 87 g

### Connettore Girevole

Pin Connector



► Bearing



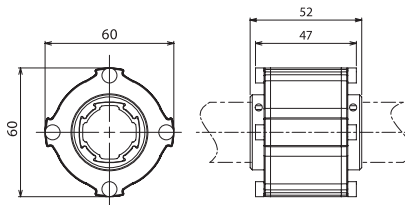
NOME	Connettore Girevole
NAME	Pin Connector
CODE	GFJ-B58

#### TECHNICAL DATA

- Body Part Material: Aluminium
- Inside Material: Rubber
- Weight: 91 g

### Connettore rotante a cuscinetti

Rotating connector with bearings



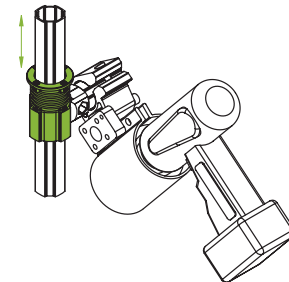
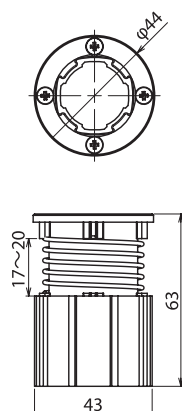
NOME	Connettore rotante a cuscinetti
NAME	Rotating connector with bearings
CODE	GFJ-A94

#### TECHNICAL DATA

- Material: Extruded Aluminium
- Weight: 130 g

### Bloccaggio rapido

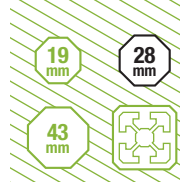
Quick clamber



NOME	Bloccaggio rapido
NAME	Quick clamber
CODE	GFJ-C20

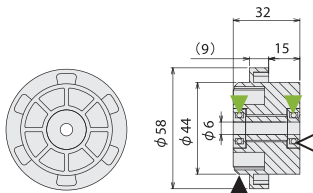
#### TECHNICAL DATA

- Body Part Material: Aluminium
- Spring Material: Steel
- Roller Material: PPS
- Weight: 80 g

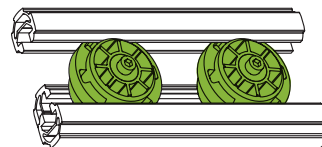


## Kit installazione Rullo L40

Slot Roller L40



- ▶ C 2.5
- ▶ Bearing
- ▶ Color



<b>NOME</b>	Kit installazione Rullo L40
<b>NAME</b>	Slot Roller L40
<b>CODE</b>	SFK-809

### KIT DETAILS

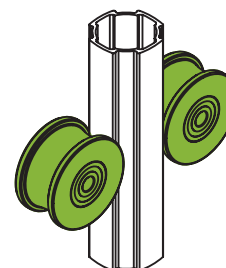
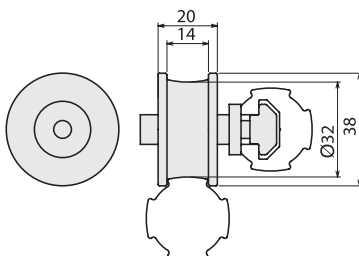
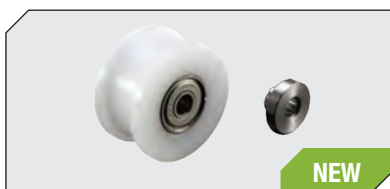
- Spacer for Bearing ×1
- Slot Roller L40 Light ×1

### TECHNICAL DATA

- Body Part Material: Nylon 6
- Bearing- Bearing Holder Material: Steel
- Weight: 69 g (Kit)

## Kit Rullo GF

GF Roller Kit



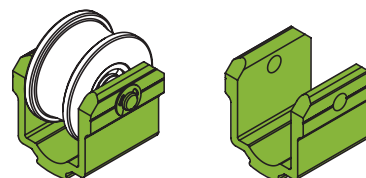
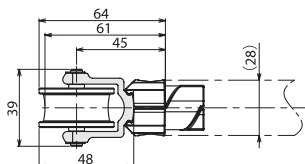
<b>NOME</b>	Kit Rullo GF
<b>NAME</b>	GF Roller Kit
<b>CODE</b>	GFK-948

### TECHNICAL DATA

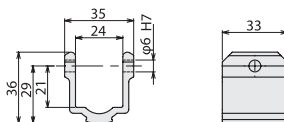
- Body Material: Resin
- Bearing Material: Steel
- Spacer Material: Extruded Aluminium
- Weight: 70 g (Kit)

## Kit Supporto Rullo

Roller bracket kit



<b>NOME</b>	Kit Supporto Rullo
<b>NAME</b>	Roller Bracket kit
<b>CODE</b>	GFK-950



### TECHNICAL DATA

- Body Material: Resin
- Bearing Material: Steel
- Spacer Material: Extruded Aluminium
- Weight: 39 g (Kit)



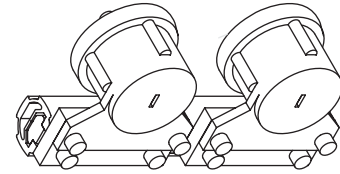
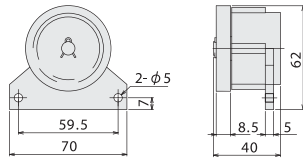
# Componenti mobili

Moving parts

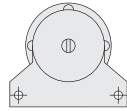
SUS

## Kit installazione freno

Brake assembly kit



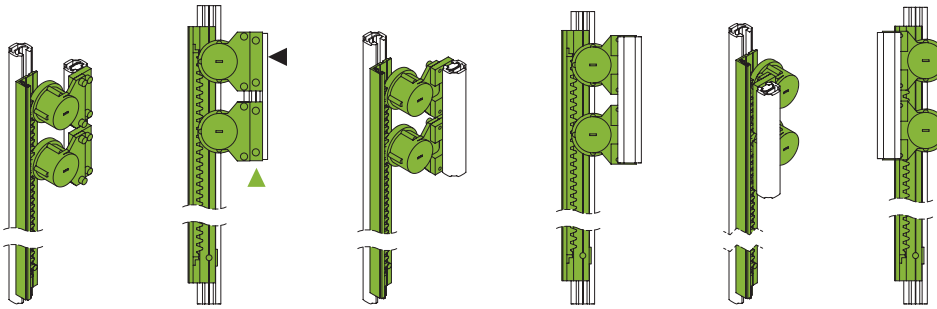
NOME	Kit installazione freno
NAME	Brake assembly kit
CODE	GFK-914



- Regolazione 0-4 Kg.
- Adjustable range 0-4 Kg.

## Kit cremagliera per freno

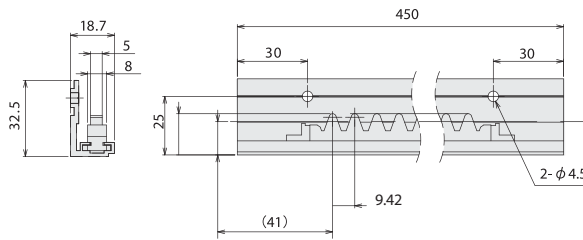
Brake assembly kit



- For Elevating Brake
- For Descending Brake

## Kit rulliera frenante

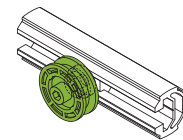
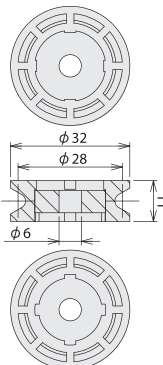
Brake rack kit



NOME	Kit rulliera frenante
NAME	Brake rack kit
CODE	GFK-915

## Kit Puleggia

Resin Idler Kit

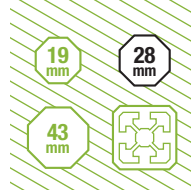


NOME	Kit Puleggia
NAME	Resin Idler Kit
CODE	GFK-910

- Kit puleggi per cavo Ø 2 mm.
- Viteria non inclusa.
- Resin Idler for Wire Ø 2 mm.
- Bolt and nut is not.

### TECHNICAL DATA

- Body Material: Resin
- Bearing Material: Steel
- Spacer Material: Extruded Aluminium
- Weight: 21 g (Kit)

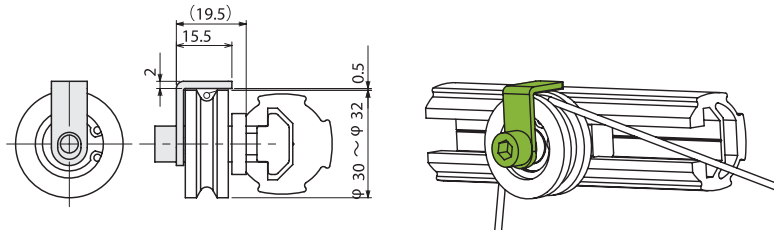


### Kit Protezione Cavo

Wire Support Kit



**NEW**

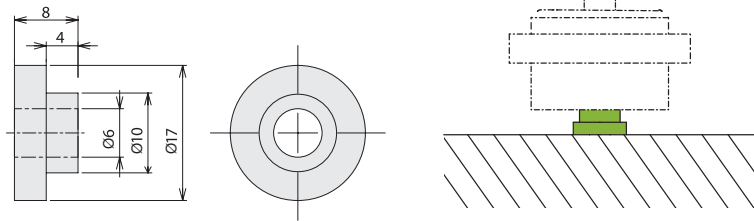


<b>NOME</b>	Kit Protezione Cavo
<b>NAME</b>	Wire Support Kit
<b>CODE</b>	<b>GFK-947</b>

**TECHNICAL DATA**  
 ■ Body Material: Steel  
 ■ Weight: 28 g (Kit)

### Distanziale

Spacer



<b>NOME</b>	Distanziale
<b>NAME</b>	Spacer
<b>CODE</b>	<b>GFA-A71</b>

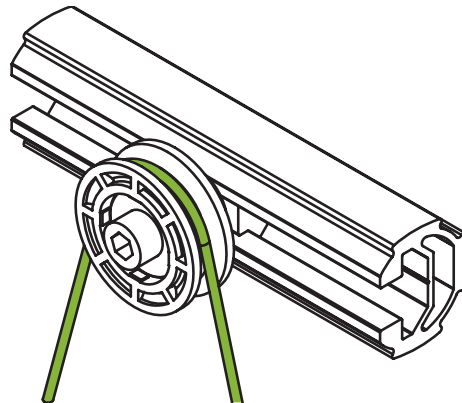
**TECHNICAL DATA**  
 ■ Body Material: Aluminium  
 ■ Weight: 10 g

### Corda Blu

Blue Rope



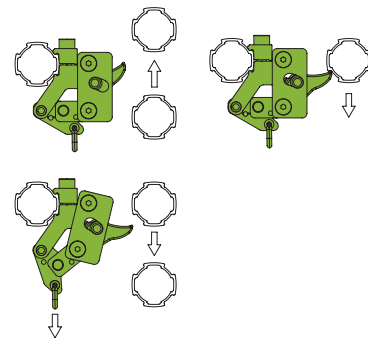
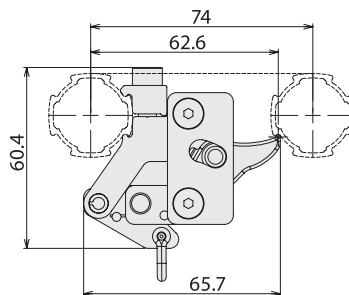
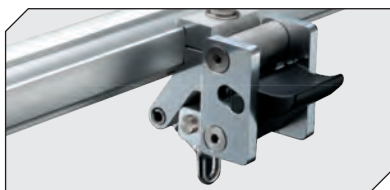
**NEW**



<b>NOME</b>	Corda Blu	<b>L= 20 m</b>
<b>NAME</b>	Blue Rope	
<b>CODE</b>	<b>GFW-424</b>	

### Blocco di sollevamento

Elevator lock



<b>NOME</b>	Blocco di sollevamento
<b>NAME</b>	Elevator lock
<b>CODE</b>	<b>GFK-N06</b>

**TECHNICAL DATA**  
 ■ Body Material: Extruded Aluminium  
 ■ Weight: 134 g

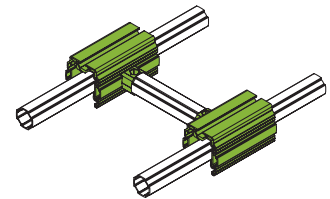
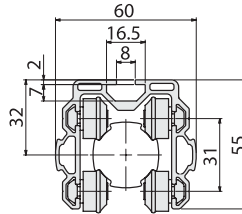
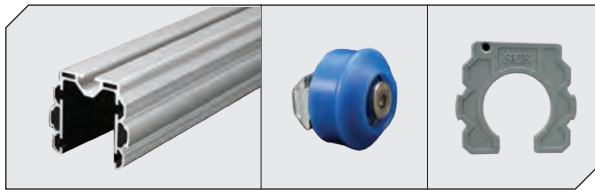
# Componenti mobili

Moving parts

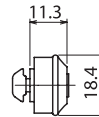
SUS

## Profilo per Carrello e componenti

Linear Frame and components

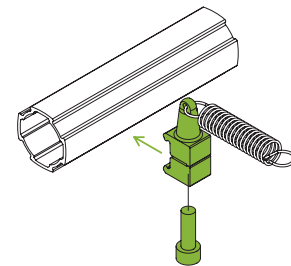
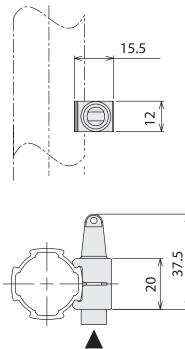


NOME	Profilo per Carrello	Rullo Lineare	Tappo
NAME	Linear Frame	Linear Roller	Cap
	L= 4000 mm		
<b>CODE</b>	<b>GFF-M05</b>	<b>GFW-437</b>	<b>GFW-469</b>



## Connettore per Fissaggio

Spring Post Connector



NOME	Connettore per Fissaggio
NAME	Spring Post Connector
<b>CODE</b>	<b>GFJ-B10</b>

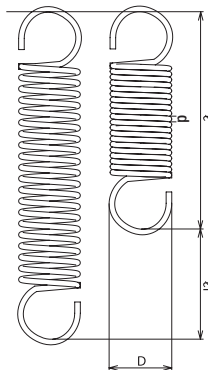
▶ Hexagon socket head cap high bolt M6x18

### TECHNICAL DATA

- Hook Material: Stainless
- Fix Material: Extruded Aluminium
- Bolt Material: Steel
- Weight: 29.3 g

## Molla a Trazione

Tension Spring



NOME	Molla a Trazione	
NAME	Tension Spring	
	d= 1,6 mm	d= 0,7 mm
<b>CODE</b>	<b>LP-M001</b>	<b>LP-M002</b>

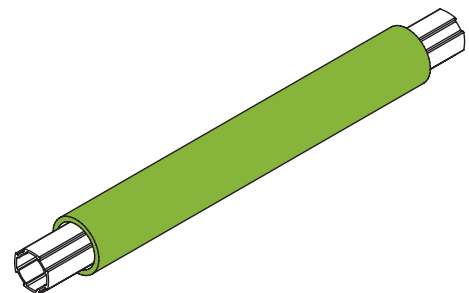
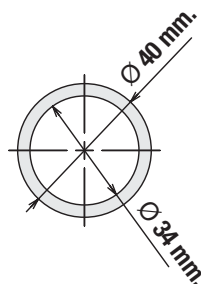
### TECHNICAL DATA

- Material: Steel

l	63,7 mm	52,5 mm
l <sub>1</sub>	21,9 mm	101 mm
D	15,4 mm	6,8 mm
N	74 N	15,4 N
d	1,6 mm	0,7 mm

## Tubo in Resina PVC-U

Resin Tube

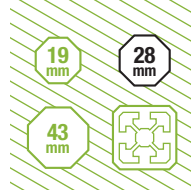


NOME	Tubo in Resina	
NAME	Resin Tube	
	L= 5000 mm	
<b>CODE</b>	<b>LP-TPVC</b>	

### TECHNICAL DATA

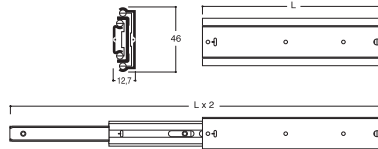
- Material: PVC-U





## Guida Telescopica Push / Pull

Telescopic Guide Push Pull



NOME NAME	Guida Telescopica Push Pull Telescopic Guide Push Pull	
	L= 400 mm	L= 600 mm
CODE	LP-GTP400	LP-GTP600

■ Sistema Push Pull, apertura automatica con bloccaggio in chiusura.

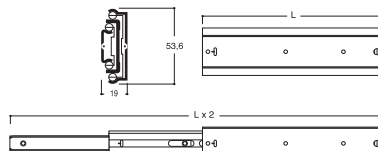
■ Push Pull System, automatic opening with block on closed position.

**TECHNICAL DATA**

- Body Material: Steel
- Bearing Material: Steel
- Load Capacity: 45 Kg

## Guida Telescopica Lock-in / Lock-out

Telescopic Guide Lock-in / Lock-out



NOME NAME	Guida Telescopica Lock-in / Lock out Telescopic Guide Lock-in / Lock-out	
	L= 400 mm	L= 600 mm
CODE	LP-GTL400	LP-GTL600

■ Bloccaggio posizione: chiusa, aperta e intermedia. Sblocco con leva.

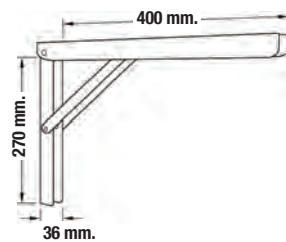
■ Block on positions: closed, open and intermediate. Unblock with the lever.

**TECHNICAL DATA**

- Body Material: Steel
- Bearing Material: Steel
- Load Capacity: 80 Kg

## Staffa richiudibile

Folding bracket



NOME NAME	Staffa richiudibile Folding bracket
CODE	LP-F001

■ Regolabile in 4 posizioni: 90°, 80°, 70° e 0° (posizione chiusa).

■ Adjustable to 4 positions: 90°, 80° 70° and 0° (closed position).

**TECHNICAL DATA**

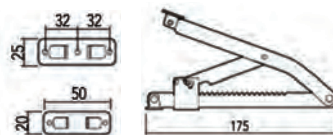
- Material: Steel
- Load Capacity: 100 Kg

## Snodo a Scatto

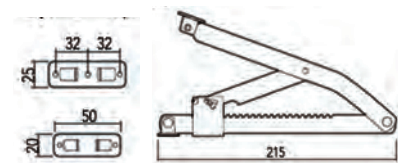
Multi-Positions Arm



▼ 18 Posizioni / 18 Positions



▼ 23 Posizioni / 23 Positions



NOME NAME	Snodo a Scatto Multi-Positions Arm	
	18 posizioni 18 positions	23 posizioni 18 positions
CODE	LP-F002	LP-F003

**TECHNICAL DATA**

- Material: Steel
- Load Capacity: 20 Kg

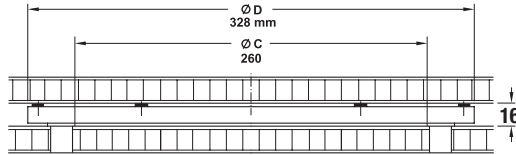
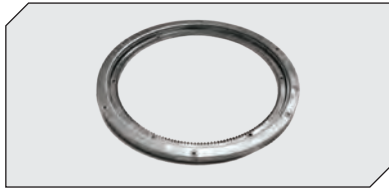
# Componenti mobili

## Moving parts

SUS

### Ralla Alluminio

Aluminium Turntable



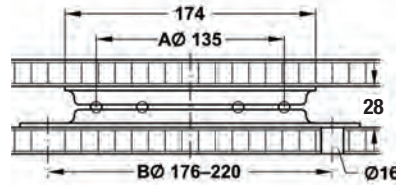
NOME	Ralla Alluminio
NAME	Aluminium Turntable
CODE	LP-F004

#### TECHNICAL DATA

- Body Material: Aluminium
- Bearing Material: Steel
- Load Capacity: 100 Kg

### Ralla Acciaio

Steel Turntable



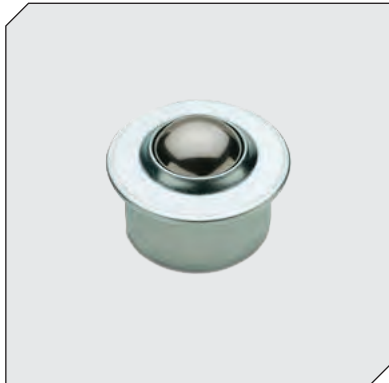
NOME	Ralla Acciaio
NAME	Steel Turntable
CODE	LP-F005

#### TECHNICAL DATA

- Body Material: Steel
- Bearing Material: Steel
- Load Capacity: 225 Kg

### Sfera in Acciaio

Fixed Ball Transfer



NOME	Sfera in Acciaio
NAME	Fixed Ball Transfer
CODE	LP-F006

#### TECHNICAL DATA

- Body Material: Steel
- Load Capacity: 50 Kg
- Ø bottom part: 24 mm
- Ø top part: 31 mm

### Sfera Pneumatica

Pneumatic Ball Transfer



NOME	Sfera Pneumatica
NAME	Positioners Ball Transfer
CODE	LP-F007

#### TECHNICAL DATA

- Body Material: Steel
- Load Capacity: 20 Kg
- Ø bottom part: 40 mm
- Ø top part: 47 mm
- Stroke: 9,53 mm

### Tampone Pneumatico

Positioner Pad



NOME	Tampone Pneumatico
NAME	Positioner Pad
CODE	LP-F008

#### TECHNICAL DATA

- Body Material: Steel
- Load Capacity: 9 Kg
- Ø bottom part: 40 mm
- Ø top part: 47 mm
- Stroke: 10,9 mm

# Accessori

# Accessories

**LeanProducts srl**  
Via Bassanti, 8 | 33170 Pordenone (PN)  
T +39 0434 572757 - F +39 0434 572750  
info@LeanProducts.eu - www.LeanProducts.eu

V40

SEZIONE - SECTION

B

LEAN GREEN FACTORY CATALOGUE



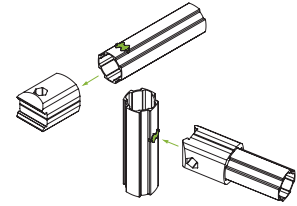
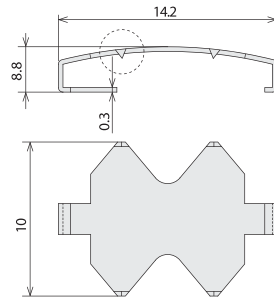
# Accessori

## Accessories

SUS

### Clip ESD

ESD Leak Plate



NOME	Clip ESD
NAME	ESD Leak Plate
CODE	GFK-E00

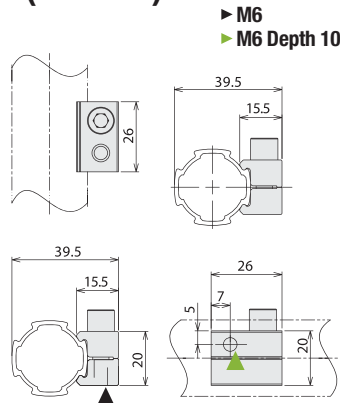
- Inserire tra il profilo ed il connettore per ripristinare la conduttività.
- Put in between Frame and Connector to maintain the performance of Conductivity area.

**TECHNICAL DATA**

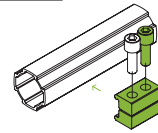
- Material: Stainless
- Weight: 0.20 g

### Connettore Universale Compatto (Laterale)

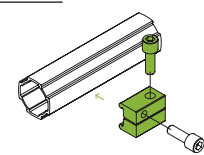
Connector Piece Compact (Side)



GFJ-B09



GFJ-B18



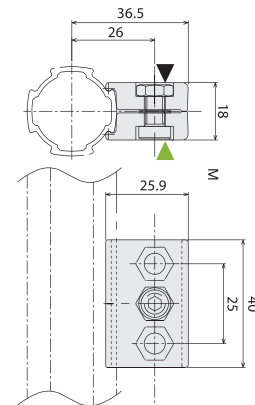
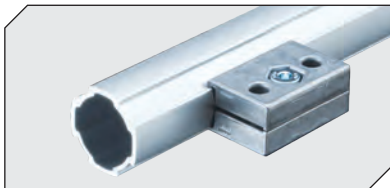
NOME	Con. Universale Compatto	Con. Universale Laterale Comp.
NAME	Connector Piece Compact	Connector Piece Compact (Side)
CODE	GFJ-B09	GFJ-B18

**TECHNICAL DATA**

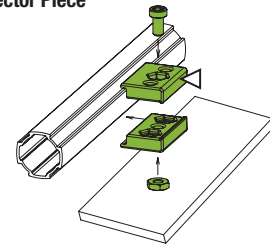
- Material: Extruded Aluminium
- Weight: 21 g

### Connettore Universale

Connector Piece



- ▶ Hexagon Nut M6
- ▶ Hexagon socket low head cap screw M6x12
- ▶ Connector Piece



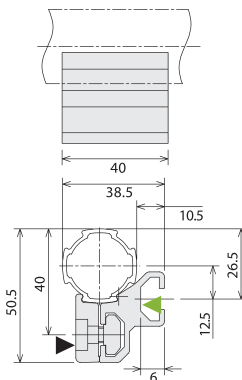
NOME	Connettore Universale
NAME	Connector Piece
CODE	GFJ-A31

**TECHNICAL DATA**

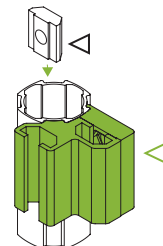
- Material: Aluminium Diecast
- Bolt / Nut Material: Steel
- Weight: 40 g

### Fissaggio C8

Parts Holder



- ▶ Hexagon socket low head cap screw M6x12
- ▶ Groove for C8 T Nut
- ▶ C8 T Nut
- ▶ Parts Holder



NOME	Fissaggio C8
NAME	Parts Holder
CODE	GFA-000

**TECHNICAL DATA**

- Material: Aluminium Diecast
- Bolt / Nut Material: Steel
- Weight: 58 g

LEAN GREEN FACTORY CATALOGUE

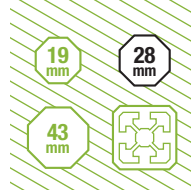
B

SEZIONE - SECTION

V 4.0

LEANPRODUCTS

Lean manufacturing

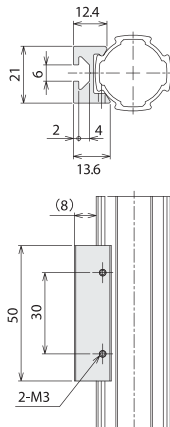


### Fissaggio C6

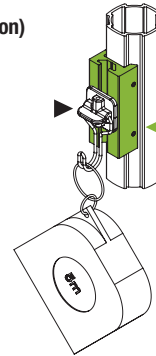
SS Slot Assist



NOME	Fissaggio C6 (viteria inclusa)
NAME	SS Slot Assist complete (screws included)
CODE	GFQ-017



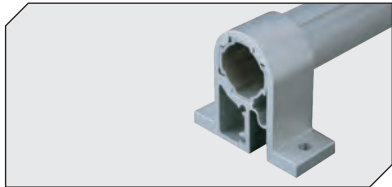
- ▶ Slot Hook C6 (Option)
- ▶ Set Screw M3x5



**TECHNICAL DATA**  
 ■ Material: Extruded Aluminium  
 ■ Weight: 18 g

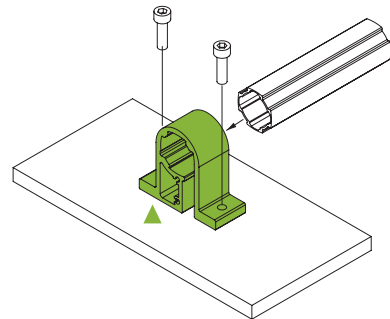
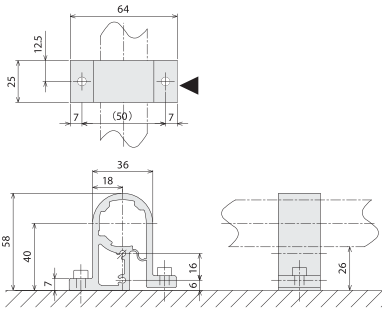
### Connettore Off-Set

Off-Set Connector



NOME	Connettore Off-Set
NAME	Off-Set Connector
CODE	GFJ-A35

- ▶ Off-Set Connector
- ▶ Set Screw M3x5



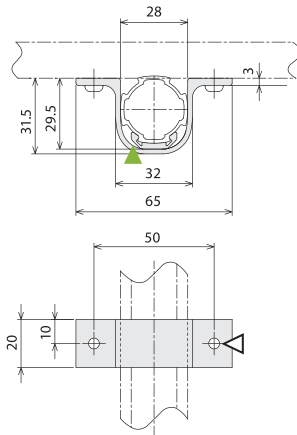
**TECHNICAL DATA**  
 ■ Material: Extruded Aluminium  
 ■ Weight: 59 g

### Omega AL

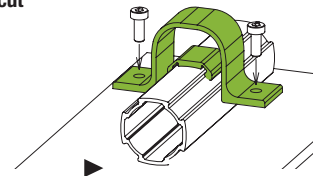
Double Saddle



NOME	Omega AL
NAME	Double Saddle
CODE	GFJ-A27



- ▶ Double Saddle
- ▶ Frame Guard 18mm Cut Part
- ▶ 2-4.5 cut

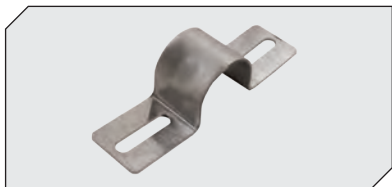


- Utilizzare per fissare il GF su muri o piastre.
- Use this part to fix Green Frame on a walls or plates.

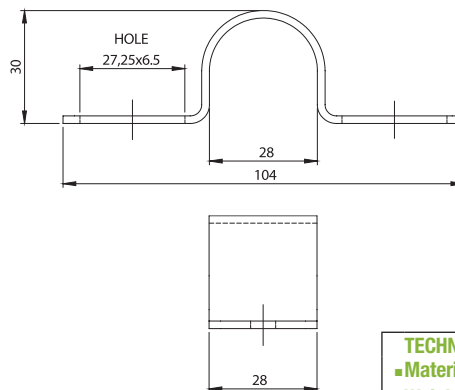
**TECHNICAL DATA**  
 ■ Material: Extruded Aluminium  
 ■ Weight: 14 g

### Omega FE

Omega Connector



NOME	Omega FE
NAME	Omega connector
CODE	GF28-OMEGA



**TECHNICAL DATA**  
 ■ Material: Steel  
 ■ Weight: 40 g

# Accessori

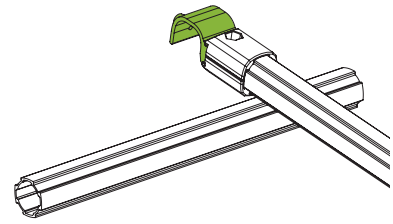
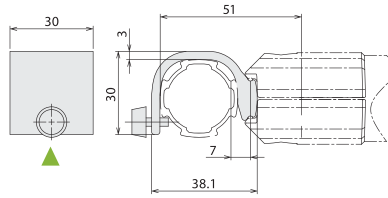
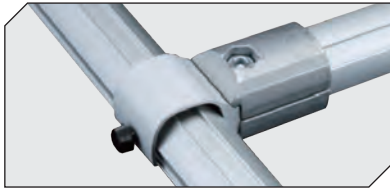
## Accessories

SUS

### Connettore a gancio A

Hang Hook Connector A

► M3×6



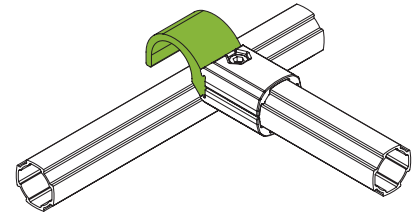
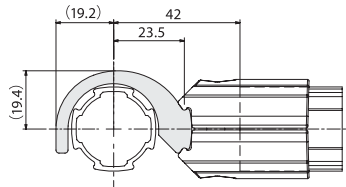
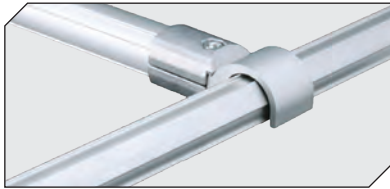
NOME	Connettore a Gancio A
NAME	Hang Hook Connector A
CODE	GFJ-A30

#### TECHNICAL DATA

- Material: Extruded Aluminium
- Weight: 24 g

### Connettore a gancio B

Hang Hook Connector B



NOME	Connettore a gancio B
NAME	Hang Hook Connector B
CODE	GFJ-A32

- Permette qualsiasi angolazione.
- It can be hooked at any angles.

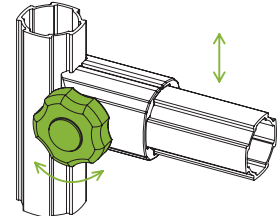
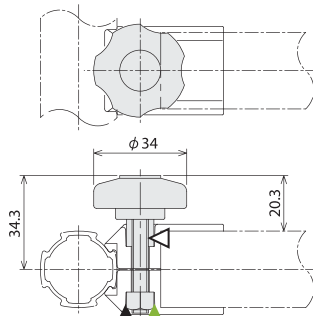
#### TECHNICAL DATA

- Material: Extruded Aluminium
- Weight: 31 g

### Manopola per GF-N

Connector Knob Bolt

- Multi Connector Outer Type
- Hexagon Nut M6
- ▽ Knob Bolt Color



NOME	Manopola per GF-N
NAME	Connector Knob Bolt
CODE	GFA-A03

- Permette regolazioni senza attrezzi. Sostituisce la viteria dei connettori.
- Its easy to install the connector or shifting the position without any tools.

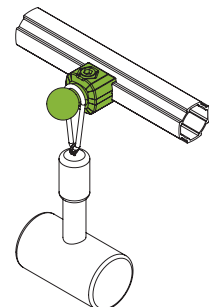
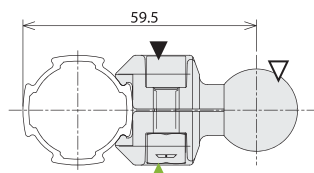
#### TECHNICAL DATA

- Material: Extruded Aluminium
- Weight: 21 g

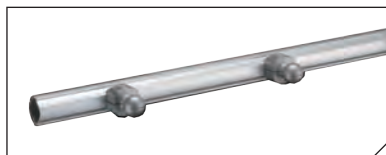
### Connettore a Sfera

Free Connector Fix Side

- Hexagon socket high head cap screw M6×18
- Hexagon High Nut M6
- ▽ Round Ø 21 mm



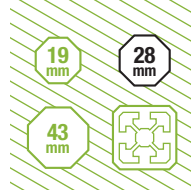
NOME	Connettore a Sfera
NAME	Free Connector Fix Side
CODE	GFJ-A52



#### TECHNICAL DATA

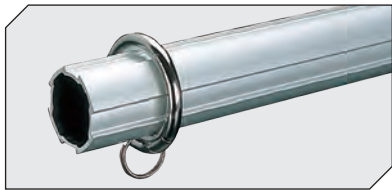
- Body Material: Aluminium Diecast
- Bolt / Nut Material: Steel
- Weight: 48 g



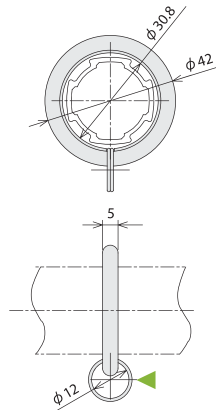


## Anello Scorrevole

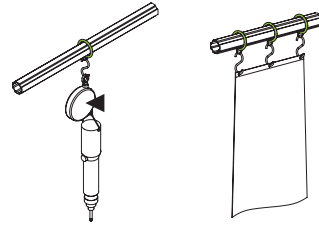
Ring Runner



NOME	Anello Scorrevole
NAME	Ring Runner
CODE	GFA-A06



► Spring Balancer  
► W Ring



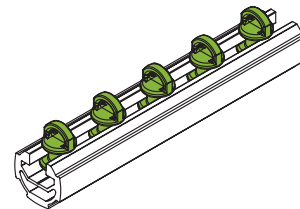
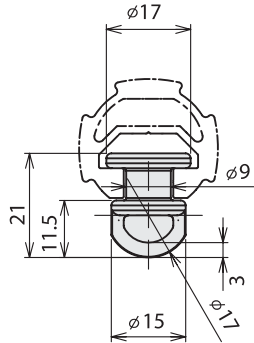
**TECHNICAL DATA**  
 ■ Material: Steel-Polyacetal  
 ■ Weight: 17 g

## Gancio Scorrevole C10

Hook Runner L Slot



NOME	Gancio Scorrevole C10
NAME	Hook Runner L Slot
CODE	GFA-A70

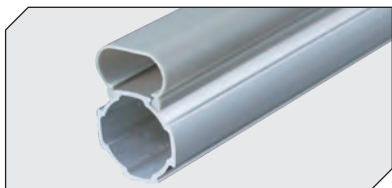


■ Rotazione e movimento liberi all'interno della cava.  
 ■ Free rotation and movement inside the T Nut.

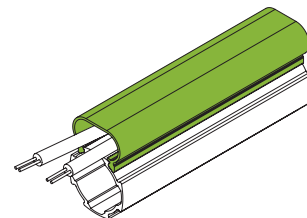
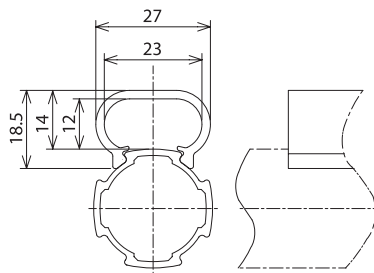
**TECHNICAL DATA**  
 ■ Material: Polyacetal  
 ■ Weight: 3 g  
 ■ Load Capacity: 30 N

## Canalina Portacavi

Cable Duct



NOME	Canalina Portacavi	L= 2000 mm
NAME	Cable Duct	
CODE	GFA-801	

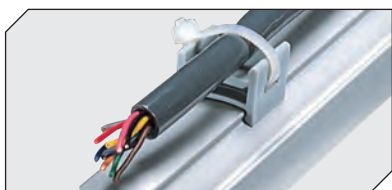


■ Accessorio utile per mantenere ordinati i cavi.  
 ■ Smart accessory to keep cables in order.

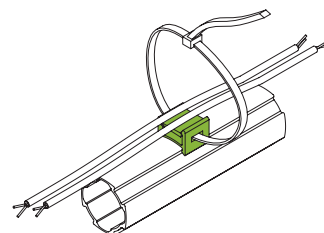
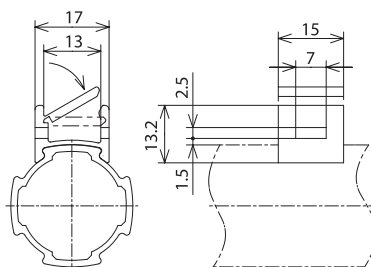
**TECHNICAL DATA**  
 ■ Material: Polypropylene

## Clip per Cavi

Cable Lock



NOME	Clip per Cavi
NAME	Cable Lock
CODE	GFE-010



**TECHNICAL DATA**  
 ■ Material: Polypropylene  
 ■ Weight: 2 g

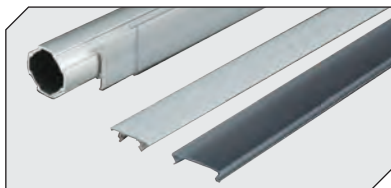
# Accessori

## Accessories

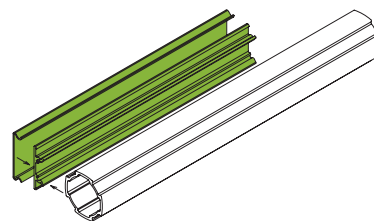
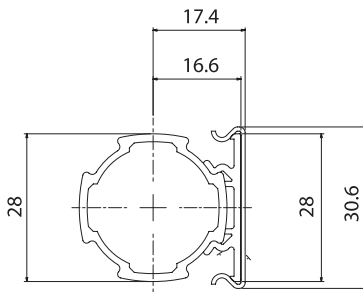
SUS

### Porta Etichetta

Name Plate



PARTE	Base	Copertura
PART	Base	Cover
L= 1550 mm		
CODE	GFA-806	GFA-807

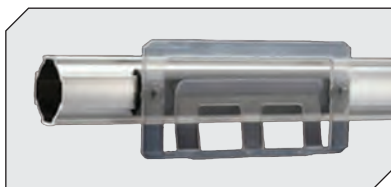


**TECHNICAL DATA**

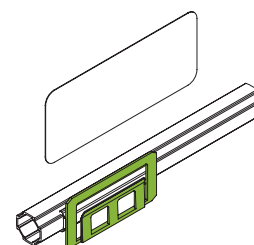
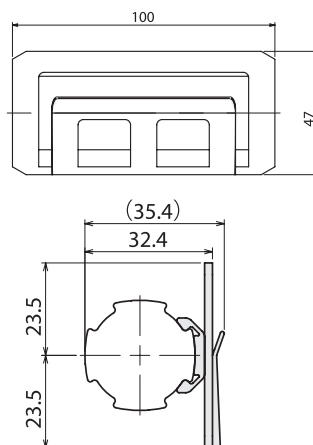
- Material: Polypropylene
- Weight: GFA-806 87 g  
GFA-807 59 g

### Porta Kanban GF

Kanban Holder GF



NOME	Porta Kanban GF
NAME	Kanban Holder GF
CODE	GFA-823



- Permette un facile utilizzo di porta Kanban.
- Allows easy Kanaban card use.

**TECHNICAL DATA**

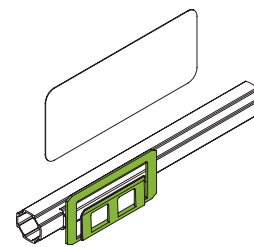
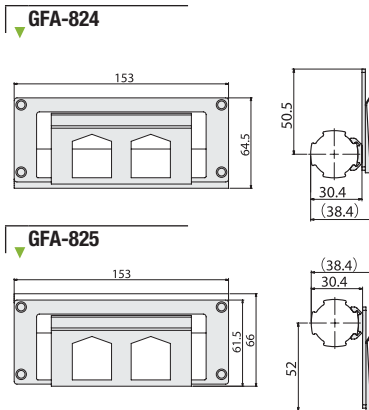
- Material: Polypropylene
- Weight: 23 g

### Porta Kanban GF

Kanban Holder GF



NOME	Superiore	Inferiore
NAME	Upper	Lower
CODE	GFA-824	GFA-825



**TECHNICAL DATA**

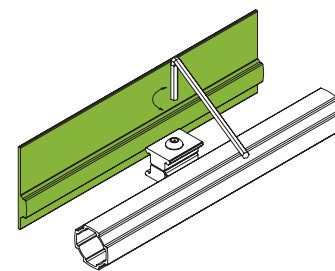
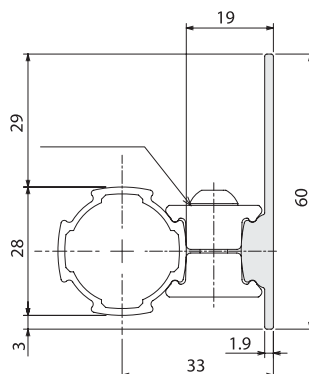
- Material: Polypropylene
- Weight: 23 g

### Targhetta in alluminio

Aluminium name plate



NOME	Targhetta in alluminio
NAME	Aluminium name plate
CODE	GFF-018



**TECHNICAL DATA**

- Material: Extruded Aluminium
- Mass Unit: 489 g / m

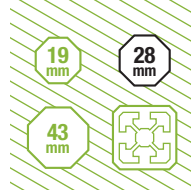
LEAN GREEN FACTORY CATALOGUE

B

SEZIONE - SECTION

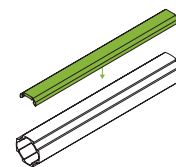
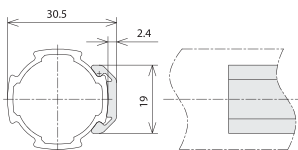
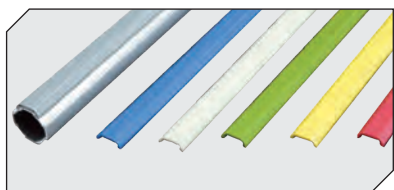
V 4.0

**LEANPRODUCTS**  
Lean manufacturing



### Copri Cava

Frame Guard

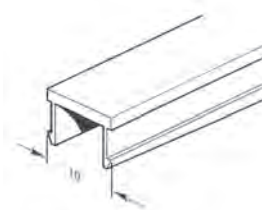
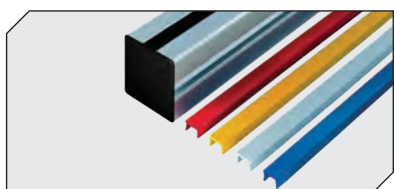


**TECHNICAL DATA**  
 ■ Material: Polypropylene  
 ■ Weight: 94 g

COLORE	Grigio	Blu	Bianco	Verde	Giallo	Rosso
COLOR	Grey	Blue	White	Green	Yellow	Red
L= 2000 mm						
CODE	GFA-800G	GFA-800L	GFA-800V	GFA-800M	GFA-800Y	GFA-800R

### Copri Cava

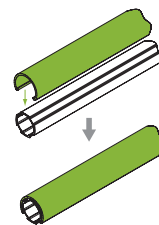
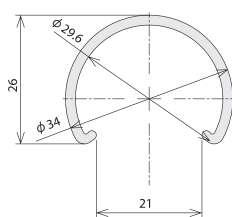
Frame Guard



COLORE	Nero	Rosso	Giallo	Grigio	Blu	
COLOR	Black	Red	Yellow	Grey	Blue	
L= 2000 mm						
CODE	C8	LPQ-CC8N	LPQ-CC8R	LPQ-CC8Y	LPQ-CC8G	LPQ-CC8BL
	C10	LPQ-CC10N	LPQ-CC10R	LPQ-CC10Y	LPQ-CC10G	LPQ-CC10BL

### Protezione

Frame Bumper



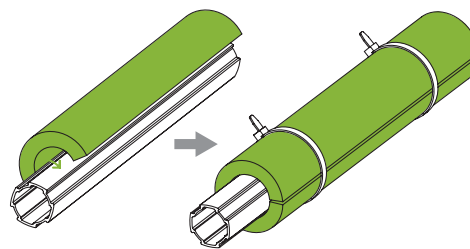
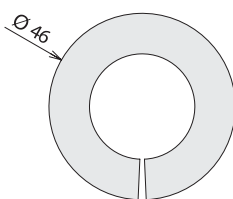
COLORE	Bianco	Giallo
COLOR	White	Yellow
L= 2000 mm		
CODE	GFA-804G	GFA-804Y

■ Per proteggere i profili e utilizzare su maniglie.  
 ■ To protect frame from damage and use on handles.

**TECHNICAL DATA**  
 ■ Material: Low Density Polyethylene  
 ■ Weight: 200 g

### Protezione in Spugna

Frame Cushion



NOME	Protezione in Spugna	L= 2000 mm
NAME	Frame Cushion	
CODE	GF28-SPG	

■ Fascette da acquistare separatamente.  
 ■ Cable ties sold separately.



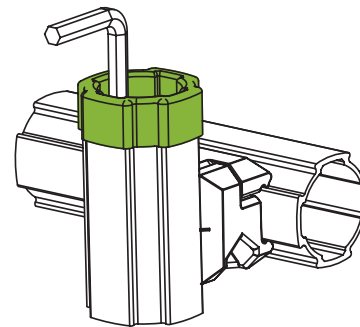
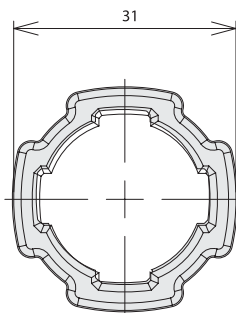
# Accessori

## Accessories

SUS

### Protezione GF-N

GF-N Bumper

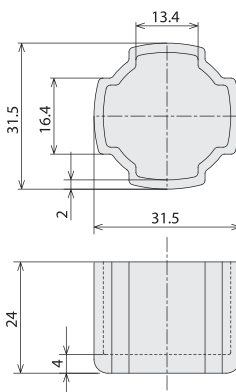
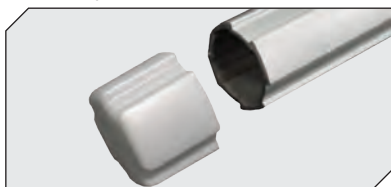


<b>COLORE</b>	<b>Grigio</b>	<b>Rosso</b>
<b>COLOR</b>	Grey	Red
<b>CODE</b>	<b>GFA-427</b>	<b>GFA-432</b>

**TECHNICAL DATA**  
 ■ Material: Soft PVC  
 ■ Weight: 5 g

### Tappo Esterno

Outer Cap



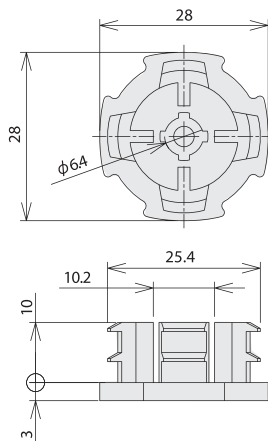
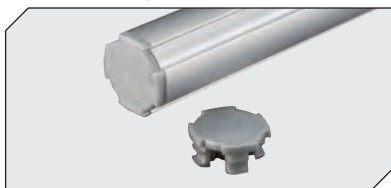
	<b>COMPATIBLE FRAME ▶ B-4 / 5</b>	
	<b>Green Frame</b>	<b>GFF-000</b>
	<b>Green Frame L Slot</b>	<b>GFF-004</b>
	<b>Green Frame T</b>	<b>GFF-017</b>
	<b>Green Frame Hard</b>	<b>GFF-019</b>

<b>NOME</b>	<b>Tappo Esterno</b>
<b>NAME</b>	Outer Cap
<b>CODE</b>	<b>GFA-401</b>

**TECHNICAL DATA**  
 ■ Material: Low Density Polyethylene  
 ■ Weight: 8 g

### Tappo Interno T

GF-T Inner Cap



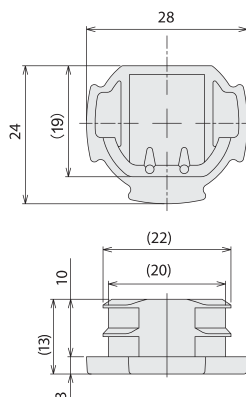
	<b>COMPATIBLE FRAME ▶ B-5</b>	
	<b>Green Frame T</b>	<b>GFF-017</b>

<b>NOME</b>	<b>Tappo interno T</b>
<b>NAME</b>	GF-T Inner Cap
<b>CODE</b>	<b>GFA-410</b>

**TECHNICAL DATA**  
 ■ Material: Low Density Polyethylene  
 ■ Weight: 3 g

### Tappo Interno C10

GF L Slot Inner Cap



	<b>COMPATIBLE FRAME ▶ B-4</b>	
	<b>Green Frame L Slot</b>	<b>GFF-004</b>

<b>NOME</b>	<b>Tappo Interno C10</b>
<b>NAME</b>	GF L Slot Inner Cap
<b>CODE</b>	<b>GFA-405</b>

**TECHNICAL DATA**  
 ■ Material: Low Density Nylon  
 ■ Weight: 2 g

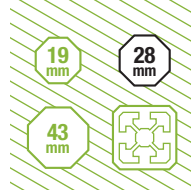
LEAN GREEN FACTORY CATALOGUE

B

SEZIONE - SECTION

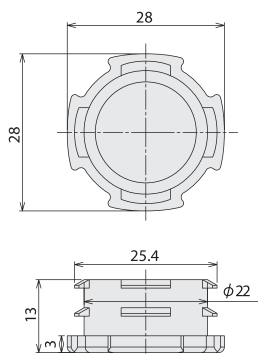
V 4.0

LEANPRODUCTS  
 Lean manufacturing



### Tappo Interno GF-N (ESD)

ESD Inner Cap



NOME	Tappo Interno	Tappo Interno ESD
NAME	Inner Cap	ESD Inner Cap
CODE	GFA-400	GFA-411

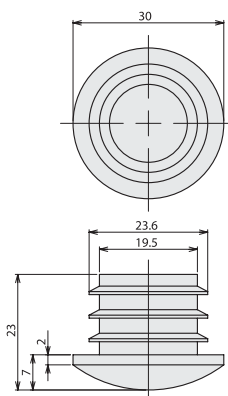
COMPATIBLE FRAME ▶ B-4 / 6		
	Green Frame	GFF-000
	Green Frame P100	GFF-001
	Green Frame W	GFF-003
	Green Frame F50	GFF-005
	Green Frame Slide	GFF-006
	Green Frame F35	GFF-014

**TECHNICAL DATA**

- Material: Polyethylene  
ESD Polypropylene
- Weight: GFA-400 3 g  
GFA-411 4 g

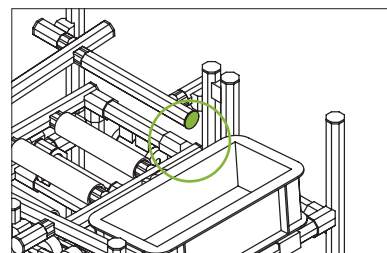
### Tappo Interno Arrotondato

Rounded Inner Cap



NOME	Tappo Interno Arrotondato
NAME	Rounded Inner Cap
CODE	GFA-404

COMPATIBLE FRAME ▶ B-4		
	Green Frame	GFF-000



- La forma arrotondata crea un invito per il contenitore.
- The rounded shapes avoids the stop of the container.

**TECHNICAL DATA**

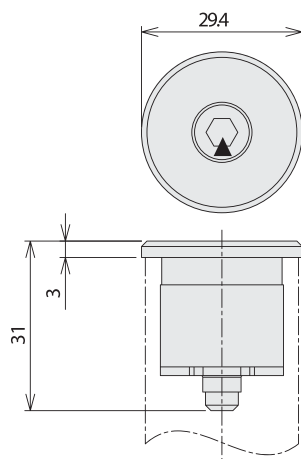
- Material: Nylon
- Weight: 3 g

### Tappo Terminale Metallico

Metal End Cap



▶ Hexagon socket head cap screw M6x25



NOME	Tappo Terminale Metallico
NAME	Metal End Cap
CODE	GFA-414

COMPATIBLE FRAME ▶ B-4 / 6		
	Green Frame	GFF-000
	Green Frame P100	GFF-001
	Green Frame W	GFF-003
	Green Frame F50	GFF-005
	Green Frame Slide	GFF-006
	Green Frame F35	GFF-014

- Con il serraggio della vite la parte in gomma si espande.
- By tightening the screw the rubber part expands.

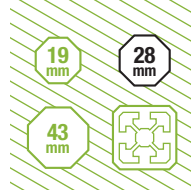
**TECHNICAL DATA**

- Material: Steel - Rubber
- Weight: 46 g

# Componenti piede

## Foot components





# Componenti piede

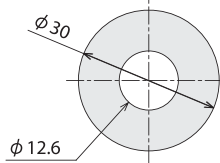
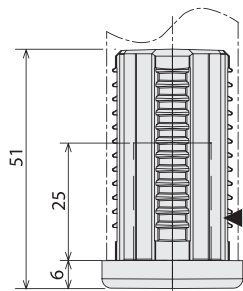
## Foot components

### Bussola M12

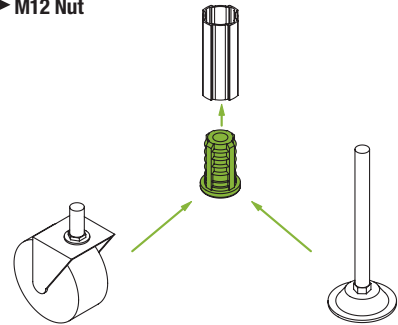
Foot Connector M12



NOME	Bussola M12
NAME	Foot Connector M12
CODE	GFN-E02



► M12 Nut



- Fissaggio ruote solo per carrelli leggeri.
- Wheel fixing only with light load.

**TECHNICAL DATA**

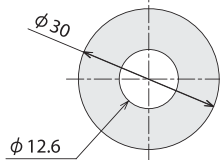
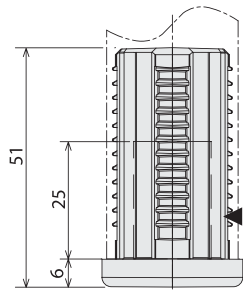
- Material: Polyamide 6
- Load capacity: 1250 N
- Weight: 24 g

### Bussola M12 ESD

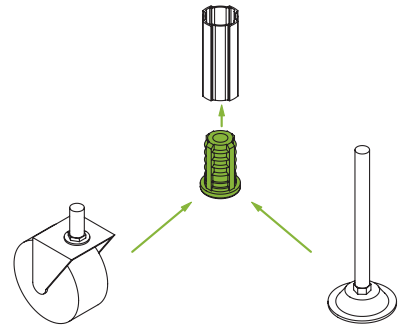
ESD Foot Connector M12



NOME	Bussola M12 ESD
NAME	ESD Foot Connector M12
CODE	GFN-E17



► M12 Nut



**TECHNICAL DATA**

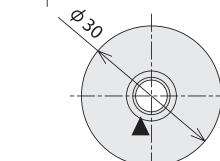
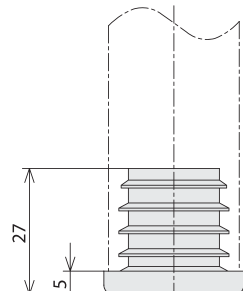
- Material: ESD Polypropylene
- Aim to Resistance Value: 10<sup>4</sup>-5Ω (Antistatic Level)
- Load capacity: 500 N
- Weight: 20 g

### Bussola M8

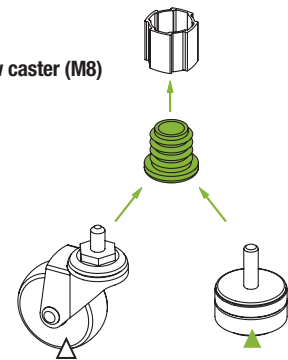
Foot Connector M8



NOME	Bussola M8
NAME	Foot Connector M8
CODE	GFN-E01



► M8 Nut  
► Foot M8  
► Shaft screw caster (M8)



- Fissaggio ruote solo per carrelli leggeri.
- Wheel fixing only with light load.

**TECHNICAL DATA**

- Material: ABS Resin
- Load capacity: 1200 N
- Weight: 12 g

# Componenti piede

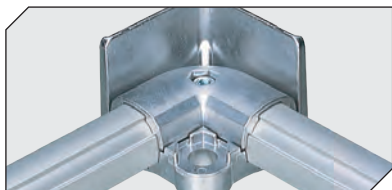
## Foot components

SUS

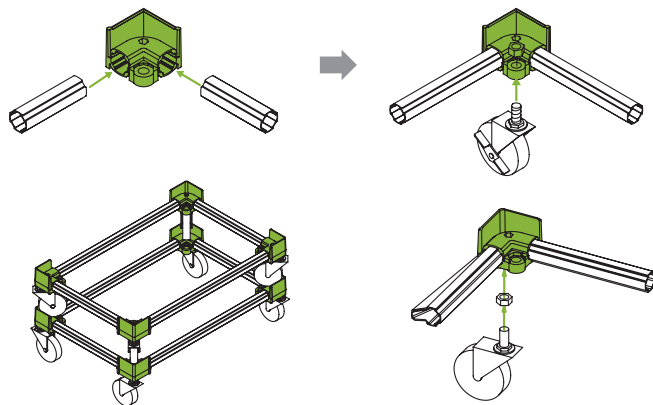
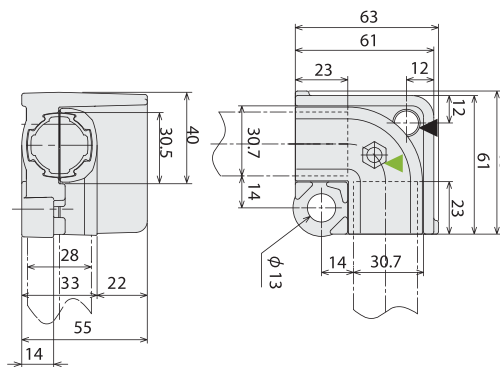
### Connettore Angolare per carrelli

Palette Connector

- ▶ M12 through
- ▶ M6x20 Bolt Nut



NOME	Connettore Angolare
NAME	Palette Connector
CODE	GFJ-A13



- Per realizzare carrelli personalizzati.
- I carrelli possono essere impilati.
- Apply at the corner of Palette Trolley to creste custom trolley.
- Same size trolley stored by piling up.

- TECHNICAL DATA**
- Material: Aluminium Diecast
  - Load capacity: 3250 N
  - Product included: Hexagon Nut M12 (Unichrome)×1
  - Weight: 193 g

LEAN GREEN FACTORY CATALOGUE

B

SEZIONE - SECTION

V 4.0

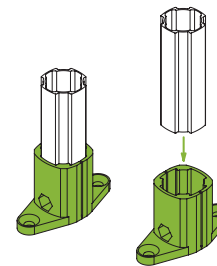
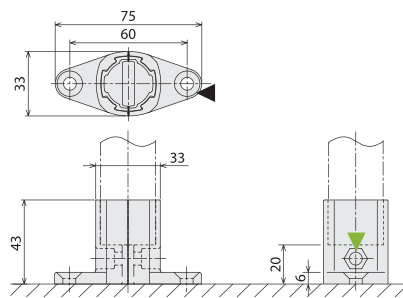
### Base di appoggio

Stand Connector

- ▶ 2-M6 for countersunk screw
- ▶ Hexagon socket head cap high bolt M6x22
- ▶ Hexagon high nut M6



NOME	Base di appoggio
NAME	Stand Connector
CODE	GFJ-A36



- TECHNICAL DATA**
- Material: Aluminium
  - Weight: 183 g

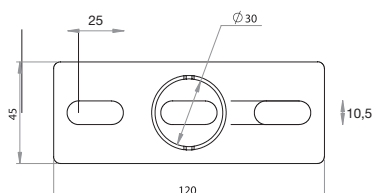
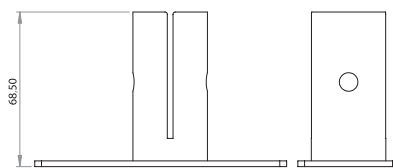
19  
mm28  
mm43  
mm

## Supporto laterale GF-N

Side support GF-N



NOME	Supporto laterale GF-N
NAME	Side support GF-N
CODE	LP-MF001



### TECHNICAL DATA

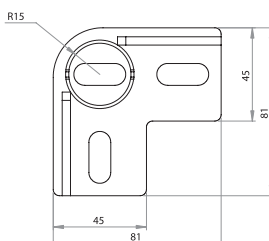
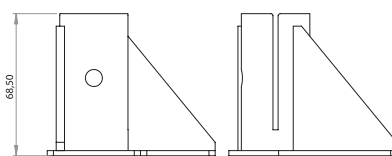
- Material: Galvanized steel
- Weight: 170 g

## Supporto angolare GF-N

Corner support GF-N



NOME	Supporto angolare GF-N
NAME	Corner support GF-N
CODE	LP-MF002



### TECHNICAL DATA

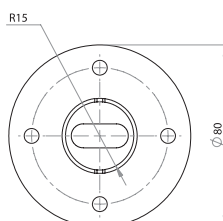
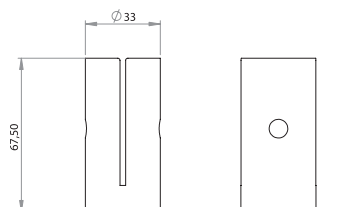
- Material: Galvanized steel
- Weight: 270 g

## Supporto centrale GF-N

Central support GF-N



NOME	Supporto centrale GF-N
NAME	Central support GF-N
CODE	LP-MF003



### TECHNICAL DATA

- Material: Galvanized steel
- Weight: 130 g



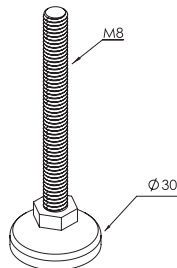
# Componenti piede

Foot components

SUS

## Piedino Ø 30 M8 / M12

Foot Ø 30 M8 / M12



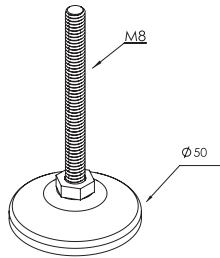
NOME	Piedino Ø 30 mm			Gommino antiscivolo
NAME	Foot Ø 30 mm			Anti-slip plate
	M8 x 80	M12 x 80	M12 x 120	
CODE	LP-P30M8-80	LP-P30M12-80	LP-P30M12-120	LP-P30G

**TECHNICAL DATA**

- Material: Galvanized Steel / Plastic
- Weight: 50 g
- Anti-slip plate: 3 g

## Piedino Ø 50 M8 / M12

Foot Ø 50 M8 / M12



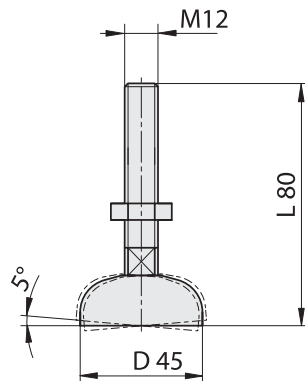
NOME	Piedino Ø 50 mm			Gommino antiscivolo
NAME	Foot Ø 50 mm			Anti-slip plate
	M8 x 80	M12 x 80	M12 x 120	
CODE	LP-P50M8-80	LP-P50M12-80	LP-P50M12-120	LP-P50G

**TECHNICAL DATA**

- Material: Galvanized Steel / Plastic
- Weight: 70 g
- Anti-slip plate: 5 g

## Piedino Ø 45 mm M12 Acciaio

Steel Foot Ø 45 mm M12



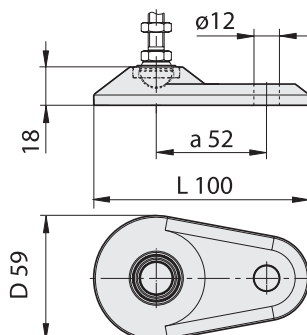
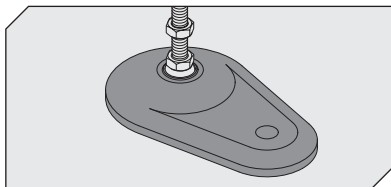
NOME	Piedino Ø 45 mm M12 Acciaio
NAME	Steel Foot Ø 45 mm M12
CODE	LP-P45M12-80

**TECHNICAL DATA**

- Material: Steel
- Weight: 180 g

## Piedino Ø 60 mm M12 con foro

Foot Ø 60 mm M12 with hole

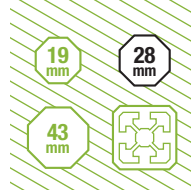


NOME	Piedino Ø 60 mm M12 con foro
NAME	Foot Ø 60 mm M12 with hole
CODE	LP-P60M12-80

- Viteria non inclusa.
- Screw not included.

**TECHNICAL DATA**

- Material: Zinc
- Weight: 217 g

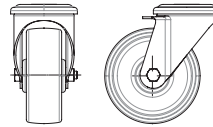


## Ruote con foro centrale

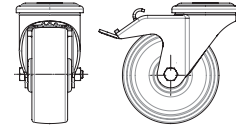
Wheels with central hole



Without brake



With brake



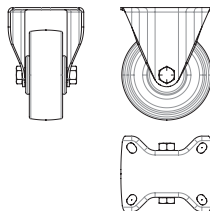
Diametro Diameter mm	Materiale Material	Portata Max. Max. Load Kg	Larghezza Width mm	H tot Tot H mm	Scorrimento Bearing	Senza Freno Without Brake	Con Freno With Brake
100	Gomma elastica Elastic Rubber	150	38	125	Sfere Ball	LP-RV001	LP-RV002
	Poliammide Polyamide	150	38	125	Sfere Ball	LP-RV003	LP-RV004
125	Gomma elastica Elastic Rubber	150	40	150	Rullini Roller	LP-RV005	LP-RV006
	Poliammide Polyamide	150	40	150	Rullini Roller	LP-RV007	LP-RV008

## Ruote con piastra

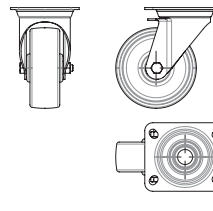
Fixing plate wheels



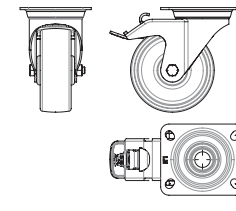
Fixed



Without brake



With brake



Diametro Diameter mm	Materiale Material	Portata Max. Max. Load Kg	Larghezza Width mm	H tot Tot H mm	Scorrimento Bearing	Fissa Fixed	Senza Freno Without Brake	Con Freno With Brake
100	Gomma elastica Elastic Rubber	150	38	125	Sfere Ball	LP-RP001	LP-RP002	LP-RP003
	Poliammide Polyamide	150	38	125	Sfere Ball	LP-RP004	LP-RP005	LP-RP006
125	Gomma elastica Elastic Rubber	150	40	150	Rullini Roller	LP-RP007	LP-RP008	LP-RP009
	Poliammide Polyamide	150	40	150	Rullini Roller	LP-RP010	LP-RP011	LP-RP012
160	Gomma elastica Elastic Rubber	300	50	195	Rullini Roller	LP-RP013	LP-RP014	LP-RP015
	Poliammide Polyamide	300	50	195	Rullini Roller	LP-RP016	LP-RP017	LP-RP018
	Poliuretano Polyurethane	400	50	195	Sfere Ball	LP-RP019	LP-RP020	LP-RP021



# Componenti piede

Foot components

SUS

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## Ruota con perno M8

Threaded Bolt M8 wheel



<b>NOME</b>	<b>Ruota con perno M8</b> Ø 50 mm
<b>NAME</b>	Threaded Bolt M8 wheel Ø 50 mm
<b>CODE</b>	<b>LP-RV010</b>

**TECHNICAL DATA**

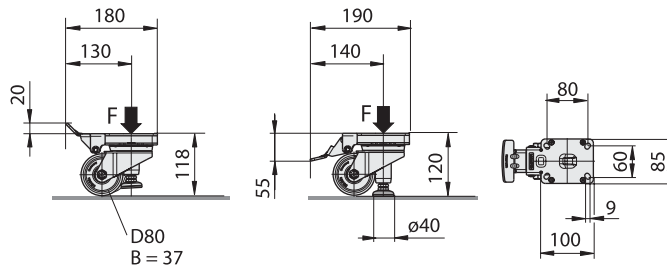
- Body Material: Cromed Steel
- Wheel Material: Rubber

## Ruota di Sollevamento

Lifting wheel



<b>NOME</b>	<b>Ruota di Sollevamento</b> Ø 80 mm
<b>NAME</b>	Lifting wheel Ø 80 mm
<b>CODE</b>	<b>LP-RP050</b>



**TECHNICAL DATA**

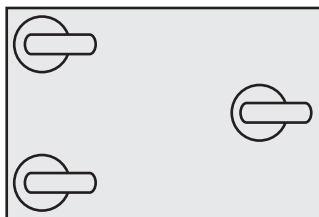
- Body Material: Galvanized Steel - PA6
- Wheel Material: Polyamide
- Weight: 167 g

## Configurazione ruote

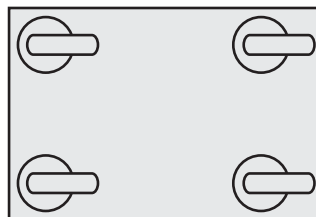
Wheels configuration

B

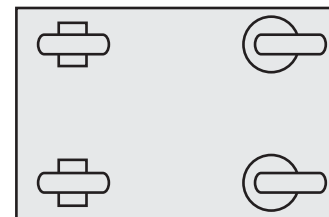
SEZIONE - SECTION



- Tre ruote con supporti rotanti con la stessa altezza da terra.
- Three swivel castors of identical mounting height.

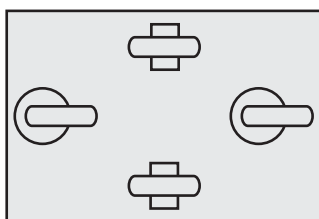


- Quattro ruote con supporti rotanti con la stessa altezza da terra.
- Four swivel castors of identical mounting height.

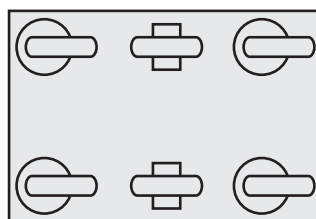


- Due ruote con supporti rotanti e due con supporti fissi con la stessa altezza da terra.
- Two swivel and two fixed castors all of identical height.

V 4.0



- Due ruote con supporti rotanti e due con supporti fissi; i supporti fissi hanno un'altezza da terra leggermente superiore.
- Two swivel and two fixed castors, with the fixed castors having a slightly higher height.



- Quattro ruote con supporti rotanti e due con supporti fissi con la stessa altezza da terra.
- Four swivel and two fixed castors of identical mounting height.

**Ruote fisse**  
▼ Fixed wheels



**Ruote girevoli**  
▼ Swivelling wheels



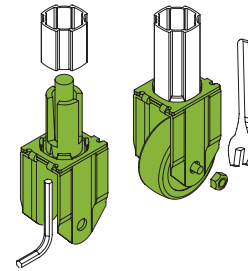
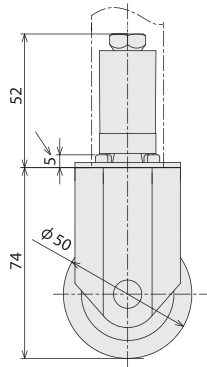
LEANPRODUCTS  
Lean manufacturing





### Ruota fissa Ø 50

Fixed Wheel Ø 50

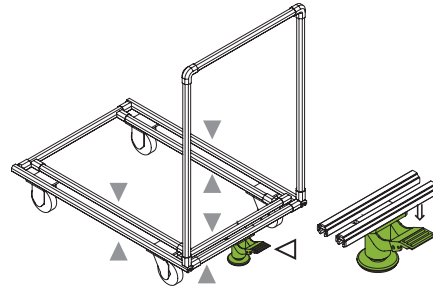
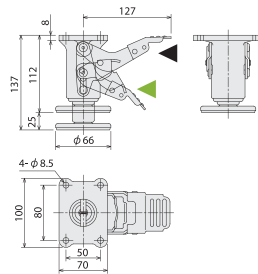


NOME	Ruota fissa Ø 50 mm
NAME	Fixed Wheel Ø 50 mm
CODE	GFN-549

- TECHNICAL DATA**
- Body Material: Aluminium Diecast
  - Wheel Material: Rubber
  - Load Capacity: 300 N
  - Weight: 219 g

### Blocco di stazionamento 100

Hammer Lock 100



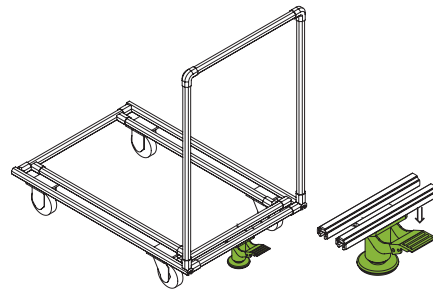
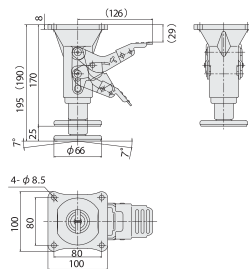
NOME	Blocco di stazionamento 100
NAME	Hammer Lock 100
CODE	GFN-F00

- ▶ Down
- ▶ Up
- ▶ Green Frame L Slot
- ▶ Hammer Lock

- TECHNICAL DATA**
- Material: Resin or Steel
  - Weight: 770 g

### Blocco di stazionamento 150

Hammer Lock 150

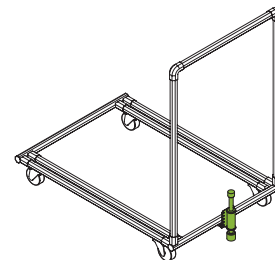
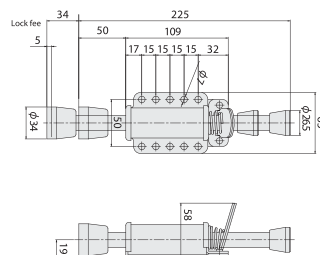
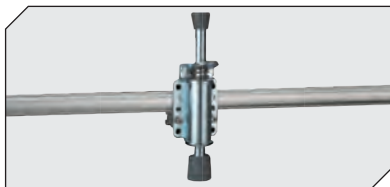


NOME	Blocco di stazionamento 150
NAME	Hammer Lock 150
CODE	GFN-F01

- TECHNICAL DATA**
- Material: Resin or Steel
  - Weight: 850 g

### Blocco di stazionamento 75

Hammer Lock 75

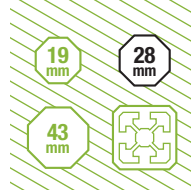


NOME	Blocco di stazionamento 75
NAME	Hammer Lock 75
CODE	GFN-F02

- Incluso kit di fissaggio per GF.
- GF Fixing kit included.

- TECHNICAL DATA**
- Material: Steel or Rubber
  - Weight: 494 g

# Pannelli Panel boards

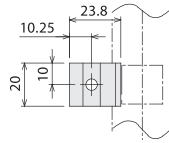
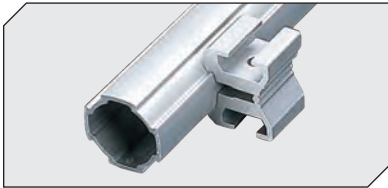


# Pannelli

## Panel boards

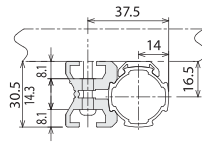
### Fissaggio pannello A

Board Holder A



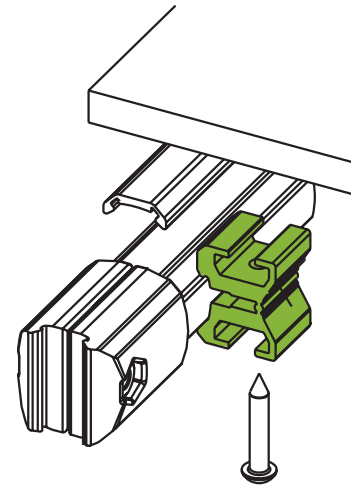
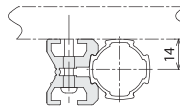
**Utilizzo con connettore esterno**

▼ When using Outer Type Connector



**Utilizzo con connettore interno**

▼ When using Inner Type Connector



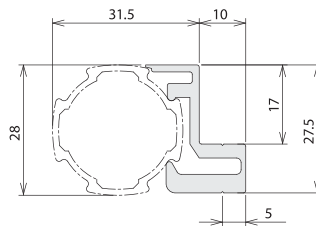
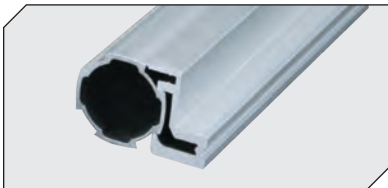
NOME	Fissaggio pannello A
NAME	Board Holder A
CODE	<b>GFJ-A22</b>

**TECHNICAL DATA**

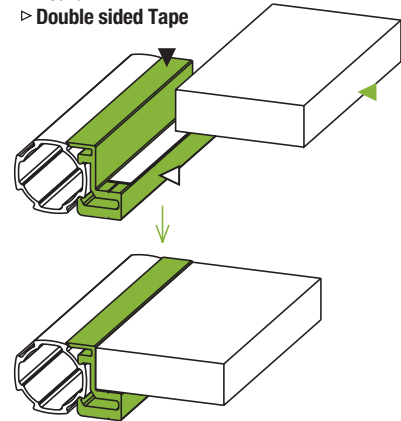
- Material: Extruded Aluminium
- Weight: 18 g

### Fissaggio pannello F

Board Holder F



- ▶ Board Holder F
- ▶ Board
- ▶ Double sided Tape



NOME	Fissaggio pannello F	L= 4000 mm
NAME	Board Holder F	
CODE	<b>GFF-A01</b>	

**TECHNICAL DATA**

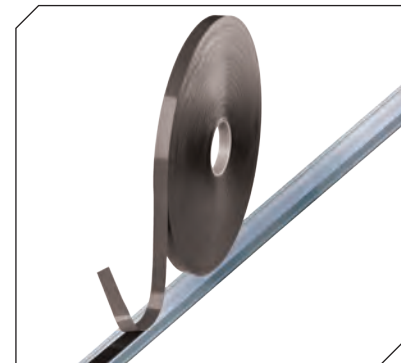
- Material: Extruded Aluminium
- Weight: 18 g

### Biadesivo

Double sided tape



NOME	Biadesivo	L= 50 m
NAME	Double sided tape	
CODE	<b>LP-B12</b>	



**TECHNICAL DATA**

- Thickness: 1mm
- Width: 12 mm



# Pannelli

## Panel boards

SUS

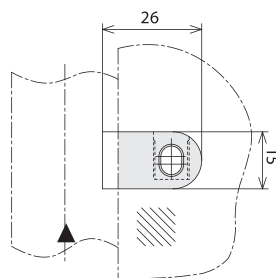
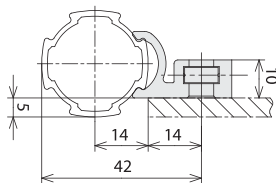
### Fissaggio pannello B / C

Plate Connector B / C

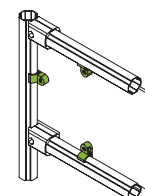
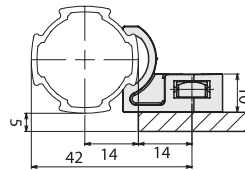


NOME	Fissaggio pannello B	Fissaggio pannello C
NAME	Plate Connector B	Plate Connector C
CODE	GFJ-A19	GFJ-B48

GFJ-A19



GFJ-B48



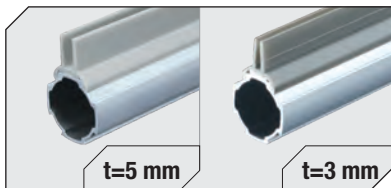
- ▶ M5 Square Nut
- ▶ M5 Square Nut

**TECHNICAL DATA**

- Material: Polypropylene
- Weight: 6 g

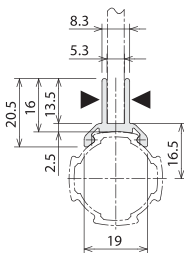
### Estruso per pannello 5/3

Panel Hold (for t=5 / t=3)

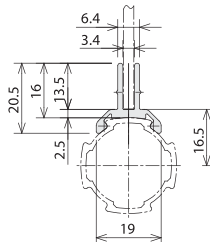


NOME	Estruso per pannello (t=5)	Estruso per pannello (t=3)
NAME	Panel Hold (t=5)	Panel Hold (t=3)
	L= 2000 mm	L= 2000 mm
CODE	GFA-802G	GFA-803G

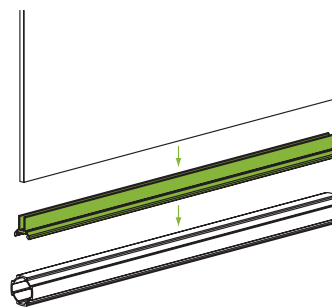
GFA-802G



GFA-803G



- ▶ t=3(con sporgenza)
- ▶ t=3(with protruding)



**TECHNICAL DATA**

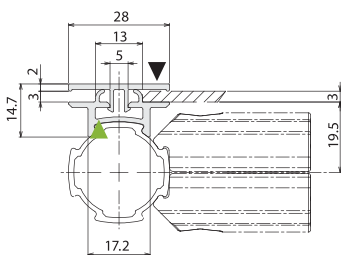
- Material: Polyethylene
- Weight: GFA-802G 166 g  
GFA-803G 162 g

### Estruso Base / Superiore fissaggio pannelli

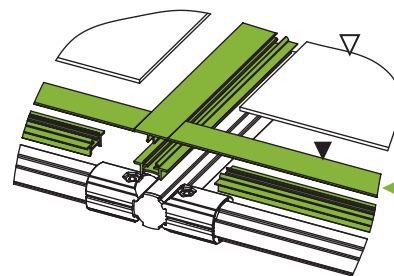
Panel Side Hold Base / Panel Side Hold Outer t=3



NOME	Estruso Base fissaggio pannelli	Estruso Superiore fissaggio pannelli
NAME	Panel Side Hold B	Panel Side Hold Outer t=3
	L= 2000 mm	L= 2000 mm
CODE	GFA-808	GFA-809



- ▶ Panel Side Hold Outer t=3
- ▶ Panel Side Hold Base
- ▶ Panel t=3



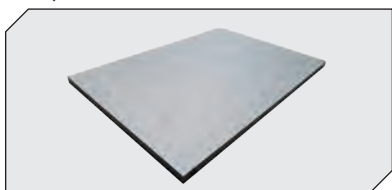
**TECHNICAL DATA**

- Material: Polyethylene
- Weight: GFA-809 165 g  
GFA-808 100 g

19  
mm28  
mm43  
mm

## Materiale Composito

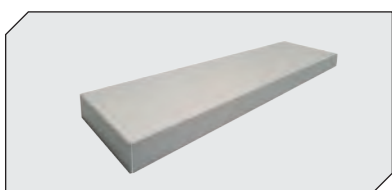
Composite Material



<b>Spessore</b> Thickness	5 mm	10 mm	12 mm
<b>Colore</b> Color	Grigio Grey	Grigio Grey	Grigio Grey
<b>CODE</b>	LP-MCG5	LP-MCG10	LP-MCG12

## Nobilitato

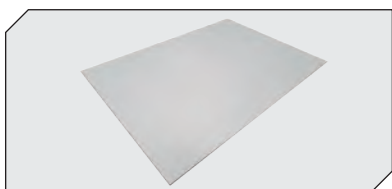
Work board



<b>Spessore</b> Thickness	40 mm	40 mm
<b>Colore</b> Color	Grigio Grey	Grigio ESD ESD Grey
<b>CODE</b>	LP-NOB	LP-NOBESD

## PVC

PVC



<b>Spessore</b> Thickness	3 mm		5 mm		5 mm
<b>Colore</b> Color	Grigio Grey	Bianco White	Grigio Grey	Bianco White	Nero ESD ESD Black
<b>CODE</b>	LP-PVCG3	LP-PVCB3	LP-PVCG5	LP-PVCB5	LP-PVCNED5

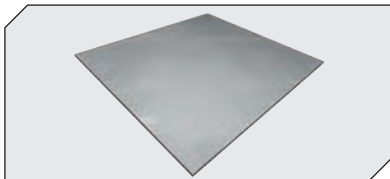
# Pannelli

## Panel boards

SUS

### Policarbonato

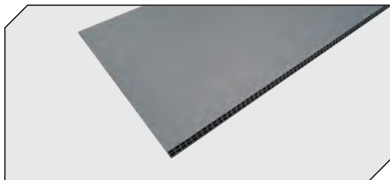
Polycarbonate



<b>Spessore</b> Thickness	<b>3 mm</b>	<b>5 mm</b>
<b>Colore</b> Color	<b>Trasparente</b> Transparent	<b>Trasparente</b> Transparent
<b>CODE</b>	<b>LP-LEX3</b>	<b>LP-LEX5</b>

### Polionda

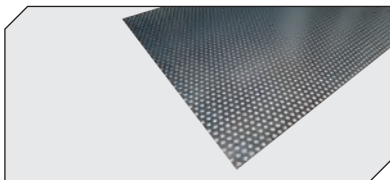
Corrugated Plastic



<b>Spessore</b> Thickness	<b>5 mm</b>	<b>8 mm</b>
<b>Colore</b> Color	<b>Bianco</b> White	<b>Grigio</b> Grey
<b>CODE</b>	<b>LP-POLG8</b>	<b>LP-POLW5</b>

### Lamiera Forata Zincata

Zinc Coated Plate



<b>Spessore</b> Thickness	<b>1,5 mm</b>
<b>Trattamento</b> Treatment	<b>Zincato</b> Galvanized
<b>CODE</b>	<b>LP-LFZ</b>

- Lamiera zincata con fori Ø 5 mm passo 8 mm angolo 60°.
- Ideale per la creazione di Shadow-Board.

- Zinc Coated Plate with holes Ø 5 mm placed 8 mm from each other and at angle of 60°.
- Suitable for Shadow-Board.



# Componenti porte

## Door parts

**LeanProducts srl**  
Via Bassanti, 8 | 33170 Pordenone (PN)  
T +39 0434 572757 - F +39 0434 572750  
info@LeanProducts.eu - www.LeanProducts.eu

V40

SEZIONE - SECTION

B

LEAN GREEN FACTORY CATALOGUE

# Componenti porte

## Door parts

SUS

LEAN GREEN FACTORY CATALOGUE

B

SEZIONE - SECTION

V 4.0

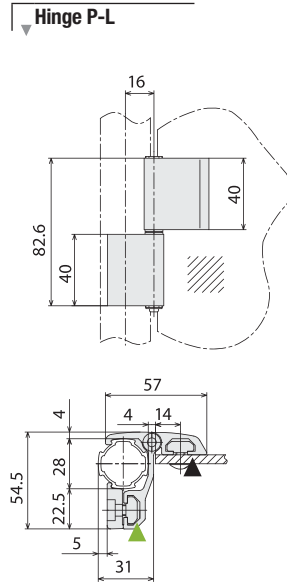
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Lean manufacturing

### Cerniera P-L / R

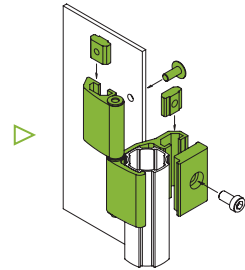
Hinge P-L / R



NOME	Cerniera P-L	Cerniera P-R
NAME	Hinge P-L	Hinge P-R
CODE	GFP-000	GFP-004



- ▶ 2-M5×12 Truss Screw TNut S (M5)
- ▶ M6×12 Low Head Bolt TNut S (M6)
- ▽ This drawing is L (for open from the left) R (for open from the right) becomes opposite side
- ▽ This drawing uses hinge P-R

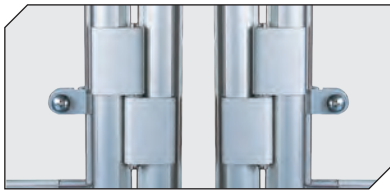


- Questa cerniera è usata per porte con pannello.
- This hinge is used in Resin Door Panel.

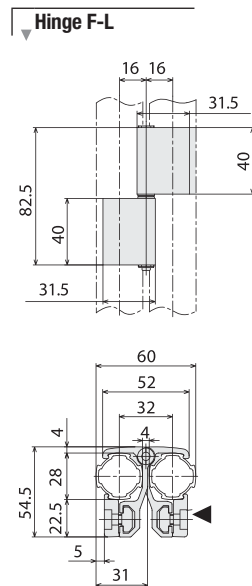
**TECHNICAL DATA**  
■ Weight: 123 g

### Cerniera F-L / R

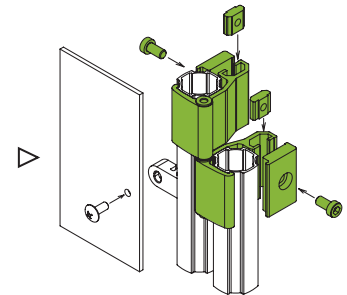
Hinge L-S / R



NOME	Cerniera F-L	Cerniera F-R
NAME	Hinge F-L	Hinge F-R
CODE	GFP-005	GFP-007



- ▶ 2-M6×12 Low Head Bolt TNut L (M6)
- ▽ This drawing is L (for open from the left) R (for open from the right) becomes opposite side
- ▽ This drawing uses hinge F-R



- Questa cerniera è usata per porte con telaio in profilo.
- This hinge is used in Frame + Door Frame.

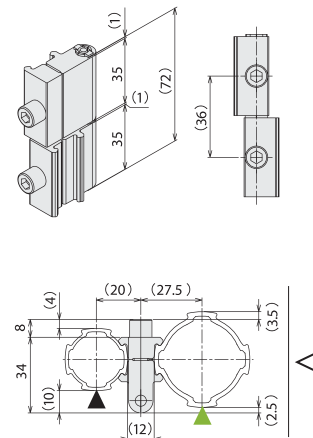
**TECHNICAL DATA**  
■ Weight: 144 g

### Cerniera In / Out L / R

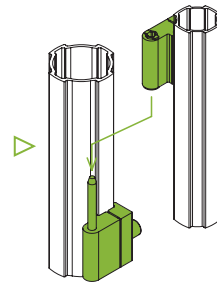
In / Out Hinge L / R



NOME	Cerniera In / Out L	Cerniera In / Out R
NAME	In / Out Hinge L	In / Out Hinge R
CODE	GFP-012	GFP-013



- ▶ GREEN FRAME Vertical Door Frame
- ▶ GREEN FRAME G Pillar
- ▽ This drawing is L (for open from the left) R (for open from the right) becomes opposite side
- ▽ This drawing uses hinge In / Out R



- Possibile utilizzo con GF-N e GF-G.
- Possible combination with GF-N and GF-G.

**TECHNICAL DATA**  
■ Weight: 90 g

19 mm

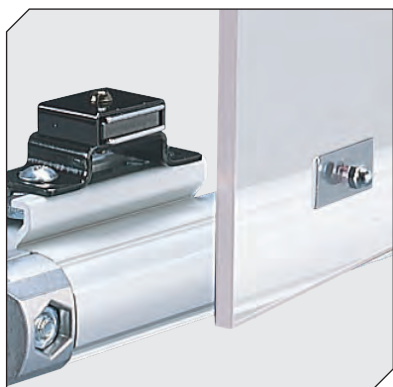
28 mm

43 mm

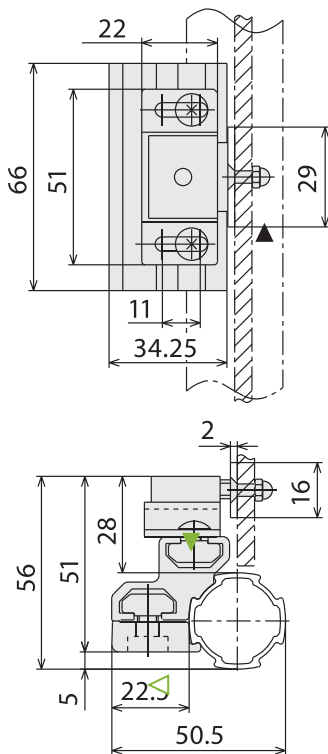


## Kit Magnete per Pannelli

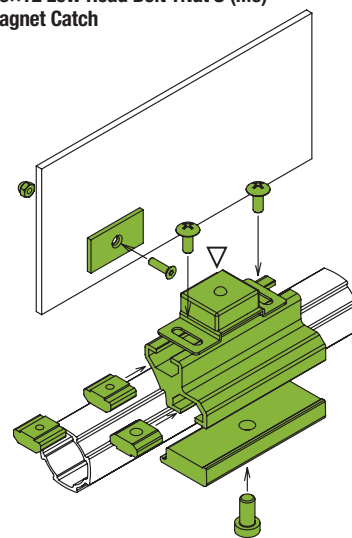
Catch for Panel Doors



NOME	Kit Magnete per Pannelli
NAME	Catch for Panel Doors
CODE	GFQ-003



- ▶ M3×10 Flat Head Screw Hexagon Cap Nut
- ▶ 2-M4×10 Truss Screw TNut S (M4)
- ▶ M6×12 Low Head Bolt TNut S (M6)
- ▶ Magnet Catch



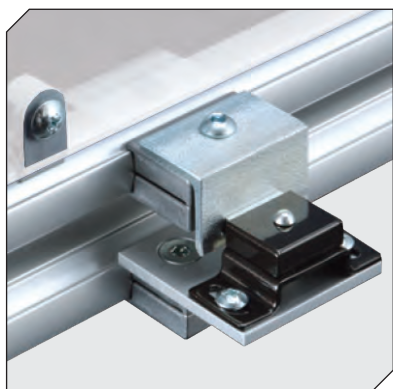
- Kit Magnete per Pannelli.
- Forza Magnetica 14.7N.
- Magnet Catch installation Kit for Resin Door Panel.
- Magnet suction force 14.7N.

### TECHNICAL DATA

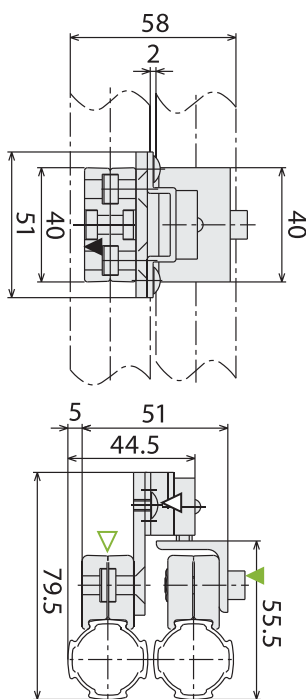
- Install Area Material: Extruded Aluminium
- Magnete Material: Ferrite
- Housing Material: Stainless
- Weight: 130 g

## Kit Magnete per GF-N

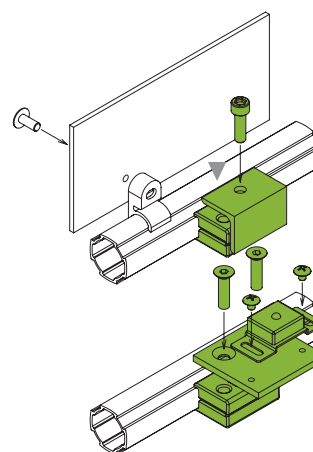
Catch for Frame



NOME	Kit Magnete per GF-N
NAME	Catch for Frame
CODE	GFQ-007



- ▶ M6×12 Low Head Bolt Hexagon Nut Thin Type
- ▶ M6×20 Botton Bolt
- ▶ 2-M4×5 Truss Screw
- ▶ 2-M6×20 Flat Head Screw Hexagon Nut
- ▶ Magnet Catch

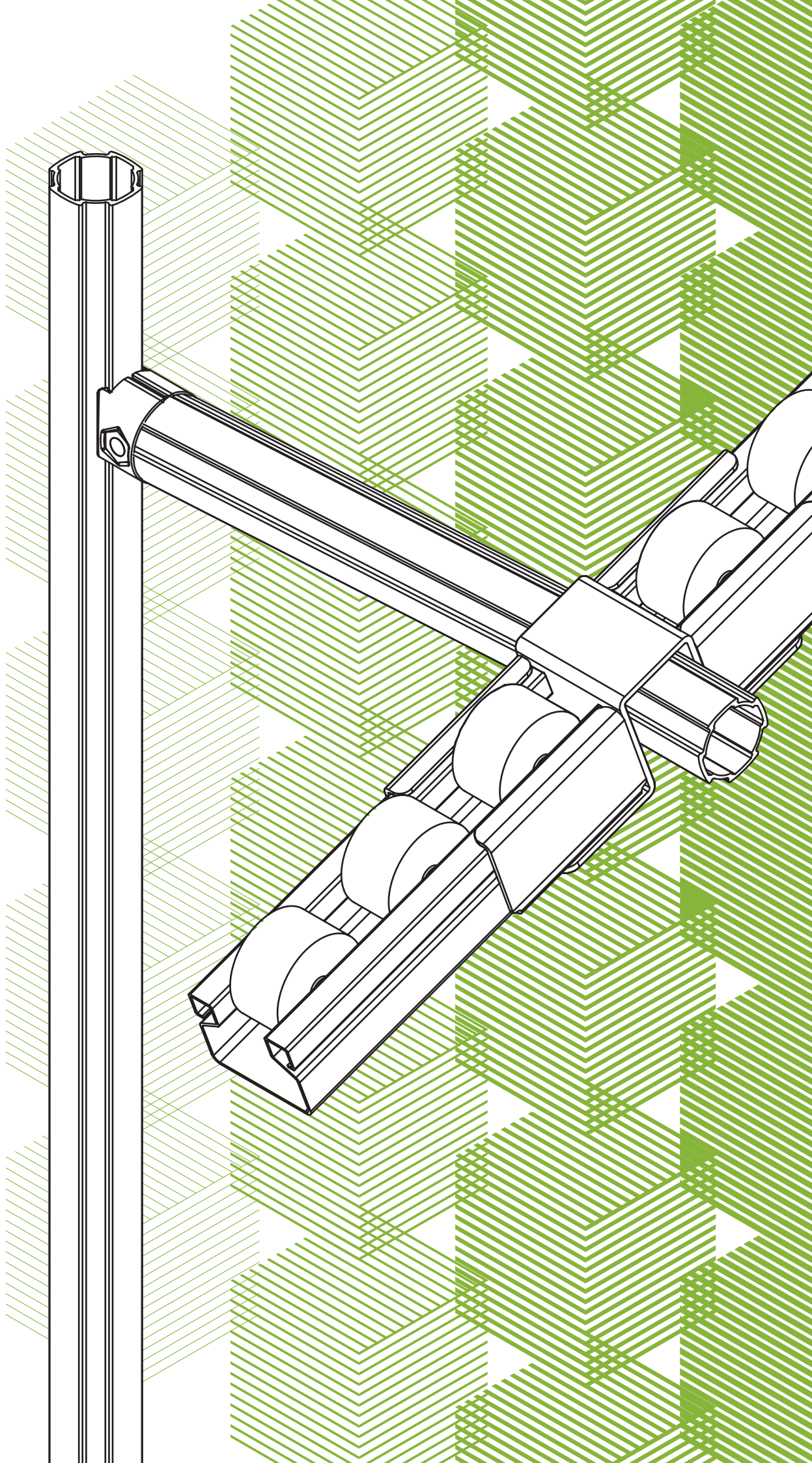


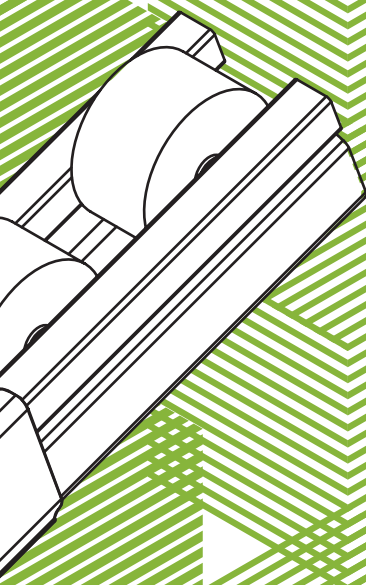
- Kit Magnete per GF-N.
- Forza Magnetica 14.7N.
- Magnet Catch installation Kit for GF-N.
- Magnet suction force 14.7N.

### TECHNICAL DATA

- Install Area Material: Extruded Aluminium
- Magnete Material: Ferrite
- Housing Material: Stainless
- Weight: 195 g







# Magazzini supermarket e rulliere Supermarkets and racks

**LeanProducts srl**  
Via Bassanti, 8 | 33170 Pordenone (PN)  
T +39 0434 572757 - F +39 0434 572750  
info@LeanProducts.eu - www.LeanProducts.eu

V 40

SEZIONE - SECTION

B

LEAN GREEN FACTORY CATALOGUE



# Magazzini supermarket e rulliere

Supermarkets and racks

SUS

## Sezione anteriore predisposta per soluzioni multiple:

- ▶ 2 livelli di inclinazione per una maggiore ergonomia di prelievo
- ▶ 1 livello di inclinazione
- ▶ aumento della portata grazie al traverso orizzontale

Front section designed for multiple solutions

- ▶ 2 levels of inclination for a greater ergonomic picking
- ▶ 1 level of inclination
- ▶ increased capacity thanks to the horizontal beam

## Sezione posteriore con rinforzo a triangolo

Back section with triangle reinforcement

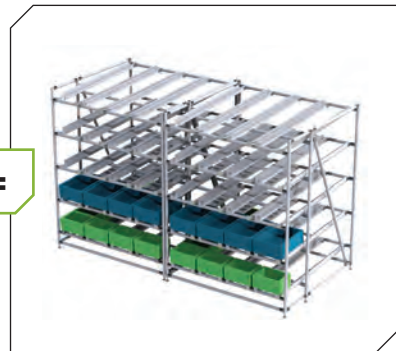


Grazie alle misure standard è possibile ottimizzare gli spazi utilizzando contenitori standard:

- > 300 x 200 mm
- > 300 x 400 mm
- > 600 x 400 mm

Thanks to the standard dimensions we achieve the maximum space optimization using standard containers:

- > 300 x 200 mm
- > 300 x 400 mm
- > 600 x 400 mm



Per una soluzione ottimale consigliamo di evitare di creare magazzini supermarket troppo grandi ma di utilizzare combinazioni di moduli di dimensioni ridotte.

For a better solution we suggest to avoid the creation of large supermarkets, but use combination of smaller modules.





## Blocco standard

La soluzione più usata che permette il picking sia dei singoli componenti che del contenitore.

### Standard stopper

The most widely used solution which allows the picking of single components or of the entire container.



## Magazzino sfalsato

Questa soluzione è utilizzata per applicazioni in cui il Cliente necessita di un alto numero di ripiani e di un facile accesso al prelievo dei singoli componenti.

### Staggered chuter

This solution is used for applications where the customer needs a high number of shelves with easy picking of the single components.



## Supermarket con doppia inclinazione

Questa soluzione offre il massimo livello di ergonomia nel prelievo.

### Double inclination supermarket

This structure offers perfect solution for ergonomic picking.



# Magazzini supermarket e rulliere

Supermarkets and racks

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## Assemblaggio Supermarket con tempi ridotti al minimo

Con i magazzini supermarkets pre-assemblati dovreste solamente aggiungere i profili orizzontali per raggiungere la larghezza desiderata e successivamente inserire i rulli.

### Supermarkets Assembly with minimum time requirements

With pre-assembled supermarkets you just have to add the horizontal profiles to reach the desired width and insert the rollers.

#### 1 Ordinare le spalle del magazzino premontate.

1 Order premounted supermarkets side elements.



1

#### 2 Tagliare i profili orizzontali per creare il proprio magazzino.

2 Cut the horizontal profiles to create your custom supermarkets.



2

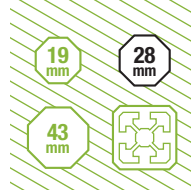
#### 3 Aggiungere il numero di rulli desiderati.

3 Add the desired number of racks.



3



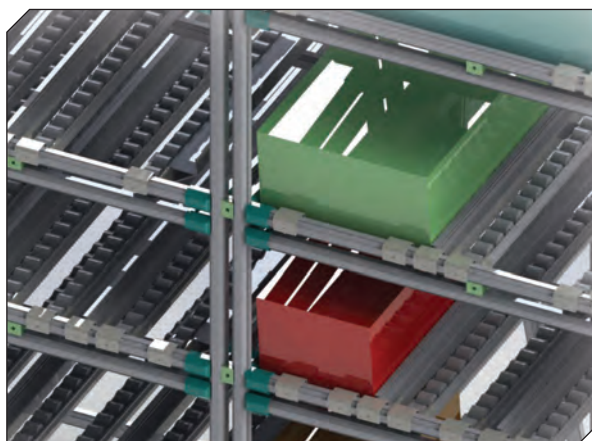


## Profili doppi

Dove è richiesta una maggiore resistenza al carico, Green Frame permette il raddoppio del tubo.

### Double profiles

Where a more resistance to the load is requested, Green Frame enables the doubling of the tube.

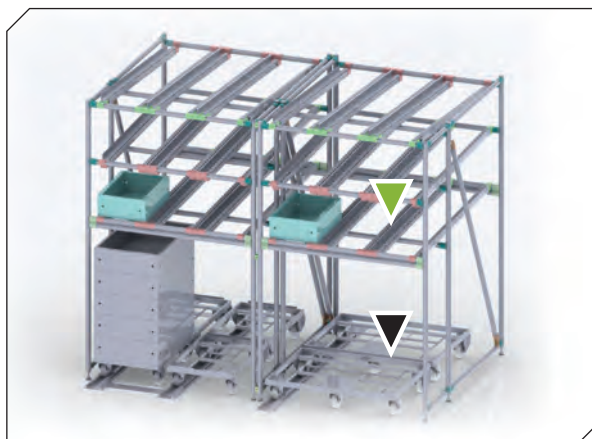


## Ottimizzazione degli spazi

- ▶ Componenti leggeri su rulliera
- ▶ Componenti pesanti su Dolly

### Space optimization

- ▶ Light components on rack
- ▶ Heavy components on Dolly



Esistono 3 possibili sistemi di ritorno dei vuoti:

- > livello inferiore
- > livello superiore
- > laterale

There are 3 possible return systems:

- > lower level
- > upper level
- > side

Scegliete quello che più si adatta alla vostre esigenze in termini di spazio ed ergonomia.

Choose the best one for you, according to your space and ergonomics needs.



**Sistema di ritorno del vuoto a livello inferiore.**

Lower level return system.



**Sistema di ritorno del vuoto a livello superiore.**

Upper level return system.



**Sistema di ritorno del vuoto laterale.**

Side return system.



# Magazzini supermarket e rulliere

Supermarkets and racks

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LEAN GREEN FACTORY CATALOGUE

B

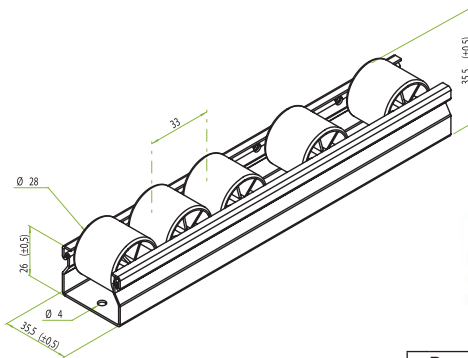
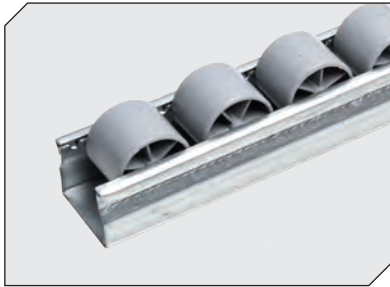
SEZIONE - SECTION

V 4.0

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Lean manufacturing

## Tratto a rotelle P 33

Roller P 33



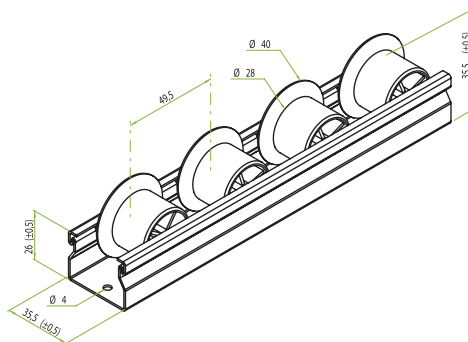
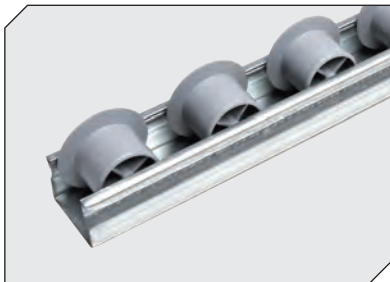
<b>NOME</b>	Tratto a rotelle P 33		
<b>NAME</b>	Roller P 33		
<b>Colore</b>	<b>Grigio</b>	<b>Rosso</b>	<b>Nero ESD</b>
<b>Color</b>	Grey	Red	Black ESD
	L= 4000 mm		
<b>CODE</b>	<b>GF28-RG</b>	<b>GF28-RR</b>	<b>GF28-RESD</b>

- Perni in acciaio spazzolato per la massima scorrevolezza.
- Polished steel pins for the maximum flow.

- TECHNICAL DATA**
- **Material:** Plastic + Steel
  - **Capacity:** 40 Kg / roller
  - **Minimum inclination:** 3.5°
  - **Mass Unit:** 0,83 Kg / m

## Tratto a rotelle P 50

Roller P 50



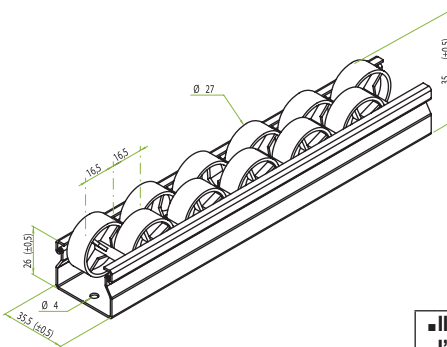
<b>NOME</b>	Tratto a rotelle P 50		
<b>NAME</b>	Roller P 50		
<b>Colore</b>	<b>Grigio</b>	<b>Nero ESD</b>	<b>Nero ESD</b>
<b>Color</b>	Grey	Black ESD	Black ESD
	L= 4000 mm		
<b>CODE</b>	<b>GF28-RBG</b>	<b>GF28-RBESD</b>	

- Nuova versione con flangia rinforzata.
- New version with reinforced flap.

- TECHNICAL DATA**
- **Material:** Plastic + Steel
  - **Capacity:** 40 Kg / roller
  - **Minimum inclination:** 3.5°
  - **Mass Unit:** 0,78 Kg / m

## Tratto a rotelle P 16.5

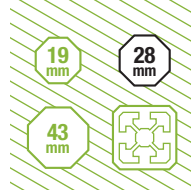
Roller P 16.5



<b>NOME</b>	Tratto a rotelle P 16.5		
<b>NAME</b>	Roller P 16.5		
<b>Colore</b>	<b>Grigio</b>	<b>Nero ESD</b>	<b>Nero ESD</b>
<b>Color</b>	Grey	Black ESD	Black ESD
	L= 4000 mm		
<b>CODE</b>	<b>GF28-RD</b>	<b>GF28-RDES</b>	

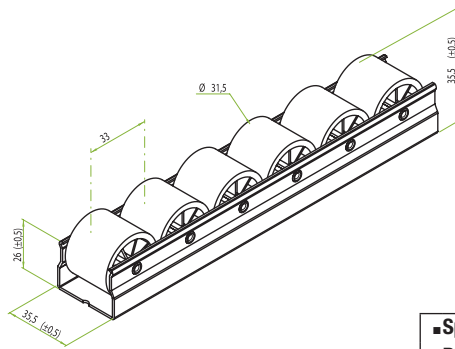
- Il basso attrito permette di ridurre l'inclinazione necessaria allo scorrimento. Adatto a superfici irregolari.
- The low friction allows the reduction of the inclination needed. Suitable for irregular surfaces.

- TECHNICAL DATA**
- **Material:** Plastic + Steel
  - **Capacity:** 40 Kg / roller
  - **Minimum inclination:** 2.5°
  - **Mass Unit:** 0,84 Kg / m



## Tratto a rotelle HD

Roller HD



<b>NOME</b>	<b>Tratto a rotelle HD</b>
NAME	Roller HD
<b>Colore</b>	<b>Nero</b>
Color	Black
<b>L= 4000 mm</b>	
<b>CODE</b>	<b>GF28-RHD</b>

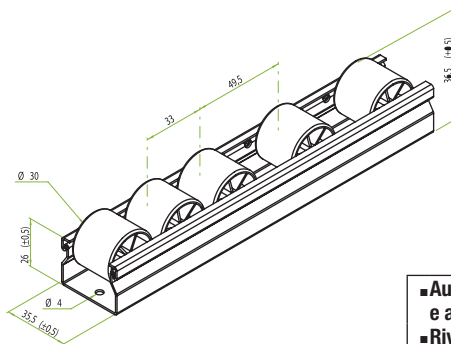
- Spazio tra le ruote ridotto.
- Rivettata.
- Reduced wheels distance.
- Riveted.

**TECHNICAL DATA**

- **Material:** Plastic + Steel
- **Capacity:** 100 Kg / roller
- **Minimum inclination:** 4°
- **Mass Unit:** 1,14 Kg / m

## Tratto a rotelle Inox

Roller SS



<b>NOME</b>	<b>Tratto a rotelle Inox</b>
NAME	Roller SS
<b>Colore</b>	<b>Inossidabile lucido</b>
Color	Shining stainless
<b>L= 4000 mm</b>	
<b>CODE</b>	<b>GF28-RAI</b>

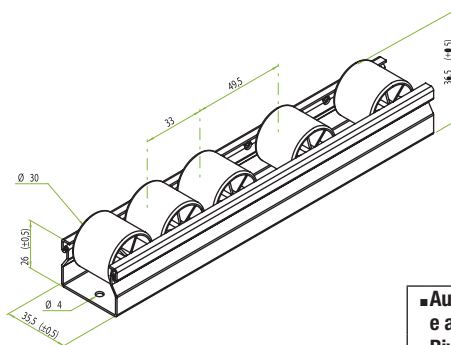
- Aumenta la resistenza alle abrasioni e al calore (+60°C).
- Rivestito in acciaio Inox.
- Improved resistance to abrasive wear and heat (+60°C).
- Stainless Steel cover.

**TECHNICAL DATA**

- **Material:** Plastic + Stainless Steel
- **Capacity:** 40 Kg / roller
- **Minimum inclination:** 8°
- **Mass Unit:** 1,31 Kg / m

## Tratto a rotelle Gomma

Rubber Roller



<b>NOME</b>	<b>Tratto a rotelle in gomma</b>
NAME	Rubber Roller
<b>Colore</b>	<b>Nero</b>
Color	Black
<b>L= 4000 mm</b>	
<b>CODE</b>	<b>GF28-RRG</b>

- Aumenta la resistenza alle abrasioni e al calore (+60°C).
- Rivestito in acciaio Inox.
- Improved resistance to abrasive wear and heat (+60°C).
- Stainless Steel cover.

**TECHNICAL DATA**

- **Material:** Plastic + Rubber + Steel
- **Capacity:** 40 Kg / roller
- **Minimum inclination:** 5°
- **Mass Unit:** 0,84 Kg / m

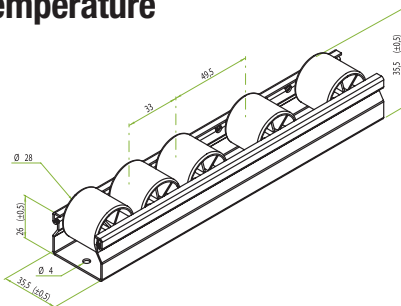
# Magazzini supermarket e rulliere

Supermarkets and racks

SUS

## Tratto a rotelle per basse Temperature

Roller Low Temp



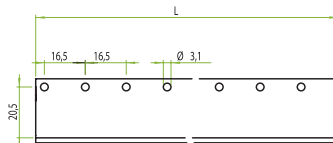
<b>NOME</b>	<b>Tratto a rotelle bassa Temp</b>
NAME	Roller Low Temp
<b>Colore / Color</b>	<b>Blu / Blue</b>
	<b>L= 4000 mm</b>
<b>CODE</b>	<b>GF28-RBT</b>

- Specifico per l'utilizzo alle basse temperature (-30°C).
- Specific for low temperature environment (-30°C).

- TECHNICAL DATA**
- Install Area Material: Plastic + Steel
  - Capacity: 100 Kg / roller
  - Minimum inclination: 3,5°
  - Mass Unit: 0,84 Kg / m

## Tratto a rotelle per settore alimentare

Roller for food industries



<b>NOME</b>	<b>Tratto a rotelle per settore alimentare</b>	
NAME	Roller for food industries	
<b>Colore / Color</b>	<b>Trasparente / Transparent</b>	
	<b>L= 4000 mm</b>	
<b>CODE</b>	<b>GF28-RSA</b>	

NSF/ANSI Standard 51 certification

- Tratto a rotelle per settore alimentare certificato FDA.
- Estruso in plastica con fori di scarico.
- Specific for food industry FDA certified.
- Plastic extrusion with drainage holes.

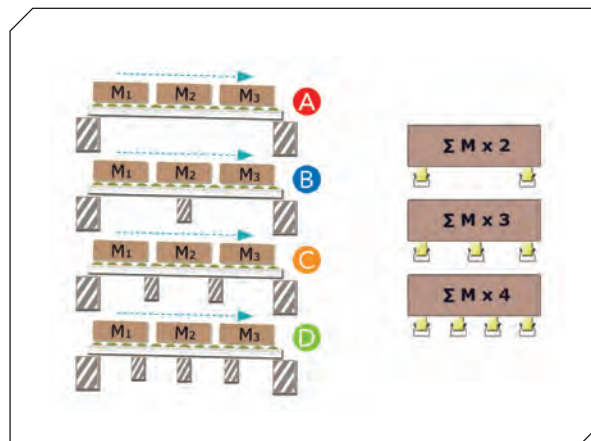
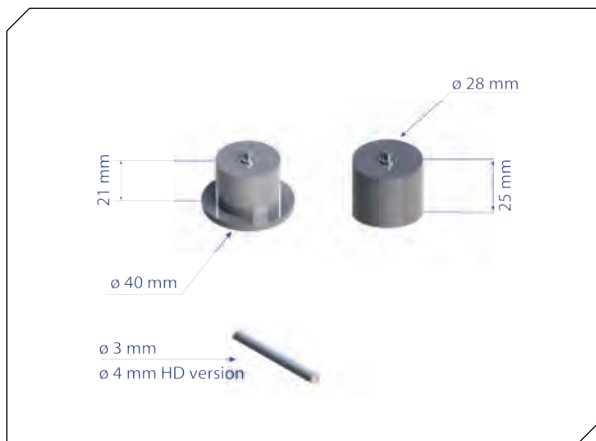
- TECHNICAL DATA**
- Install Area Material: Plastic + Steel
  - Capacity: 15 Kg / roller
  - Minimum inclination: 3,5°
  - Mass Unit: 0,86 Kg / m

LEAN GREEN FACTORY CATALOGUE

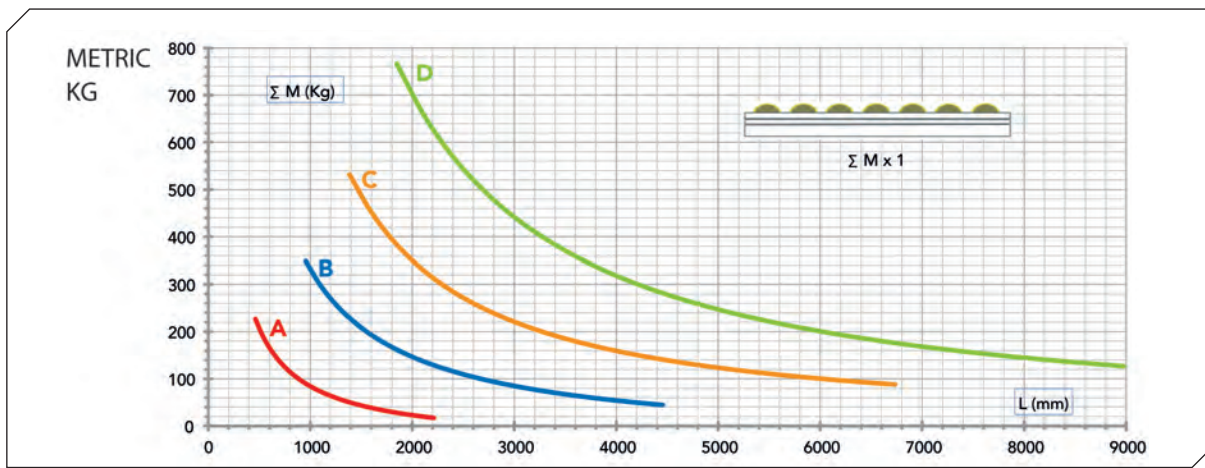
B

SEZIONE - SECTION

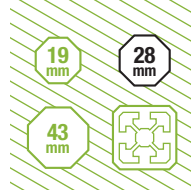
V 4.0



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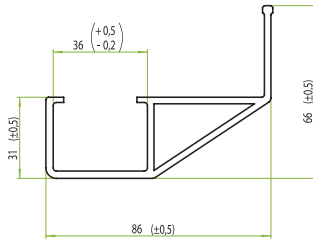
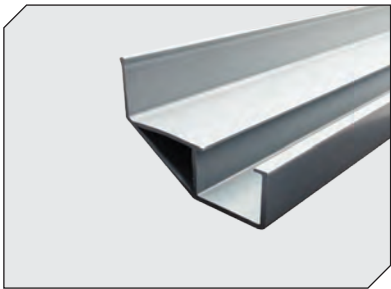






## Guida Laterale XL

Roller side guide XL



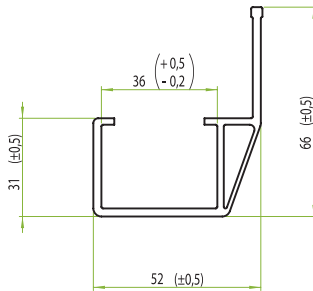
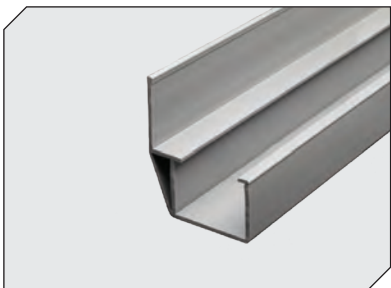
<b>NOME</b>	<b>Guida laterale XL</b>	
<b>NAME</b>	Roller side guide XL	
<b>Colore</b>	<b>Grigio</b>	<b>Nero ESD</b>
<b>Color</b>	Grey	Black ESD
<b>L = 4000 mm</b>		
<b>CODE</b>	<b>GF28-GL</b>	<b>GF28-GLES</b>

**TECHNICAL DATA**

- Material: Plastic
- Mass Unit: 0,8 Kg / m

## Guida Laterale M

Roller side guide M



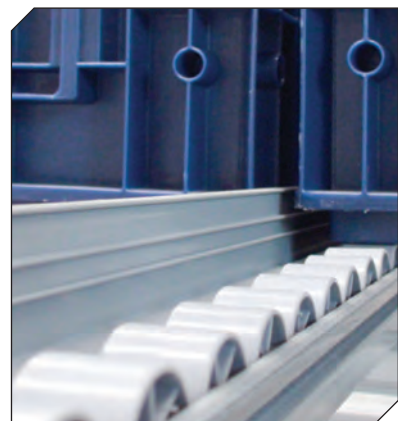
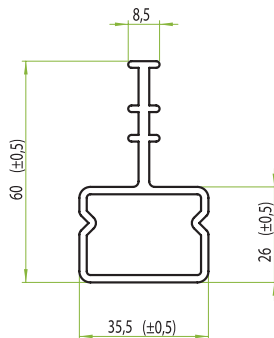
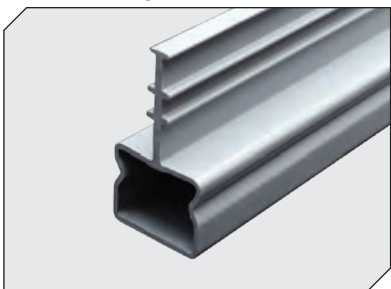
<b>NOME</b>	<b>Guida laterale M</b>	
<b>NAME</b>	Roller side guide M	
<b>Colore</b>	<b>Grigio</b>	<b>Nero ESD</b>
<b>Color</b>	Grey	Black ESD
<b>L = 4000 mm</b>		
<b>CODE</b>	<b>GF28-GLM</b>	<b>GF28-GLMES</b>

**TECHNICAL DATA**

- Material: Plastic
- Mass Unit: 0,6 Kg / m

## Guida Centrale

Roller central guide



<b>NOME</b>	<b>Guida centrale</b>	
<b>NAME</b>	Roller central guide	
<b>Colore</b>	<b>Grigio</b>	<b>Nero ESD</b>
<b>Color</b>	Grey	Black ESD
<b>L = 4000 mm</b>		
<b>CODE</b>	<b>GF28-GC</b>	<b>GF28-GCES</b>

**TECHNICAL DATA**

- Material: Plastic
- Mass Unit: 0,5 Kg / m

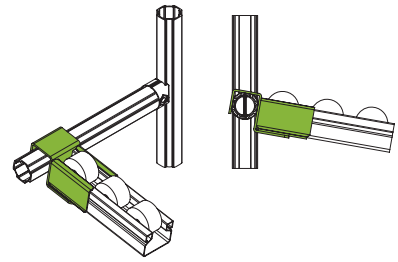
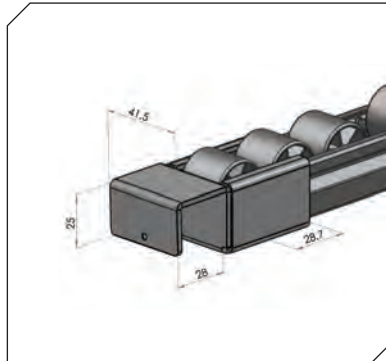
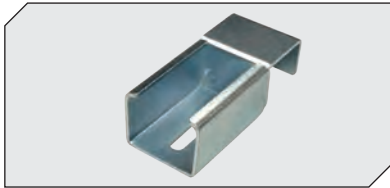
# Magazzini supermarket e rulliere

Supermarkets and racks

SUS

## Gancio per tratto a rotelle

Connector for roller



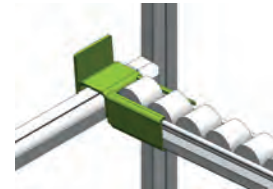
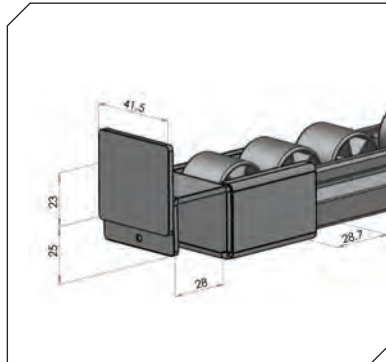
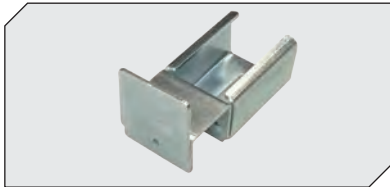
NOME	Gancio per tratto a rotelle
NAME	Connector for roller
CODE	GF28-GXR1

### TECHNICAL DATA

- Material: Galvanized Steel
- Weight: 162 g

## Gancio con fermo alto per tratto a rotelle

Connector for roller high stop



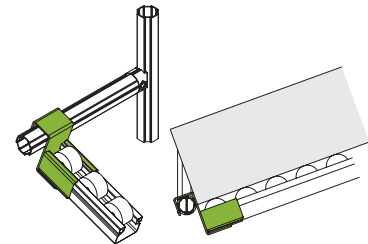
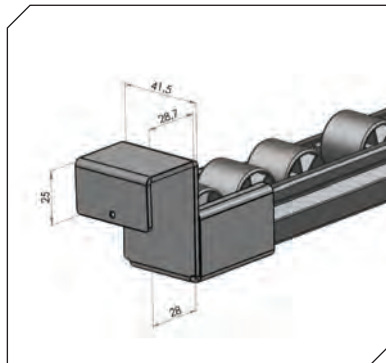
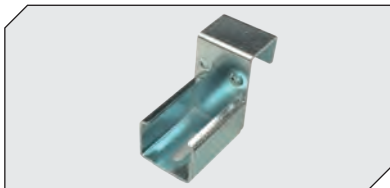
NOME	Gancio con fermo alto per tratto a rotelle
NAME	Connector for roller high stop
CODE	GF28-GXR2

### TECHNICAL DATA

- Material: Galvanized Steel
- Weight: 190 g

## Gancio con fermo basso per tratto a rotelle

Connector for roller low stop



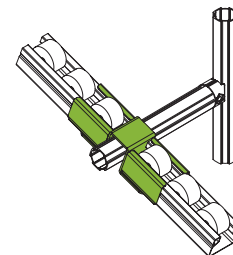
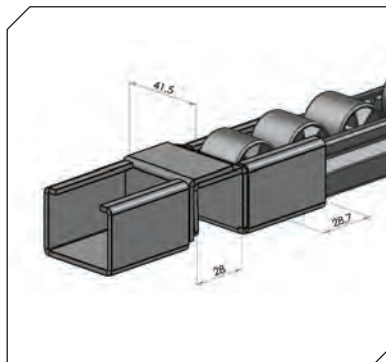
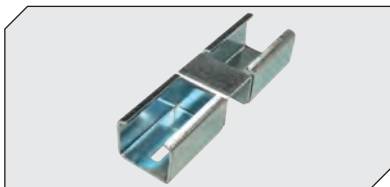
NOME	Gancio con fermo basso per tratto a rotelle
NAME	Connector for roller low stop
CODE	GF28-GXR3

### TECHNICAL DATA

- Material: Galvanized Steel
- Weight: 190 g

## Gancio a ponte per tratto a rotelle

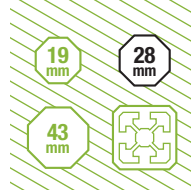
Bridge Connector for roller



NOME	Gancio a ponte per tratto a rotelle
NAME	Bridge Connector for roller
CODE	GF28-GXR4

### TECHNICAL DATA

- Material: Galvanized Steel
- Weight: 200 g

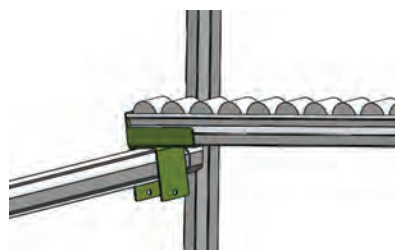
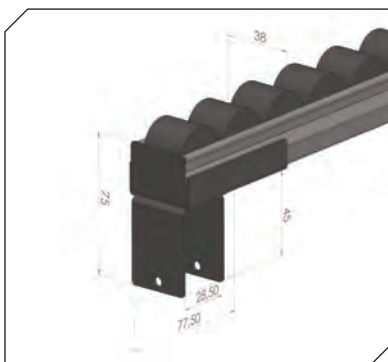


## Gancio terminale

End connector



NOME	Gancio terminale
NAME	End connector
CODE	GF28-GXR7



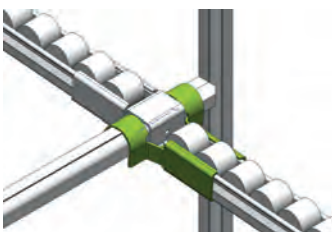
**TECHNICAL DATA**  
 ■ Material: Galvanized Steel  
 ■ Weight: 155 g

## Ponte Flessibile per tratto a rotelle

Flexible bridge connector for roller



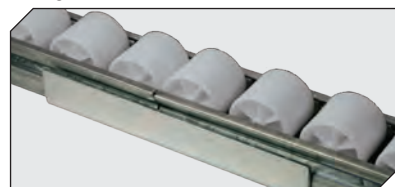
NOME	Ponte Flessibile per tratto a rotelle
NAME	Flexible bridge connector for roller
CODE	GF28-GXR6



**TECHNICAL DATA**  
 ■ Material: Galvanized Steel  
 ■ Weight: GF28-GXR6 155 g  
 GF28-GXR5 160 g

## Unione per tratto a rotelle

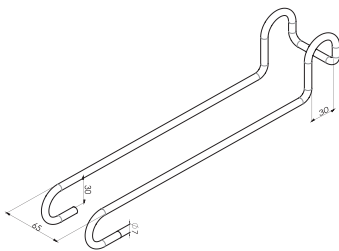
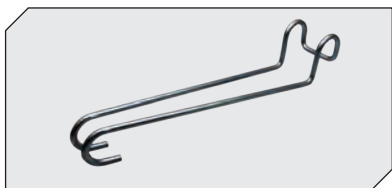
Straight connector for roller



NOME	Unione per tratto a rotelle
NAME	Straight connector for roller
CODE	GF28-GXR5

## Scivolo Metallico

Metallic Slider

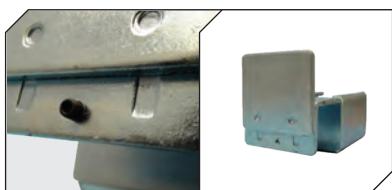


NOME	Scivolo Metallico		
NAME	Metallic Slider		
	L= 200 mm	L= 300 mm	L= 400 mm
CODE	GF28-S200	GF28-S300	GF28-S400

**TECHNICAL DATA**  
 ■ Material: Galvanized Steel  
 ■ Weight: GF28-S200 230 g  
 GF28-S300 290 g  
 GF28-S400 350 g

## Grano M3

Grub M3



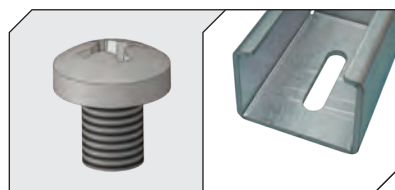
- Utilizzare il grano per limitare lo spostamento del gancio.
- Use the wheat screw to limit the movement of the connector.

NOME	Grano M3	100 pezzi
NAME	Grub M3	100 pieces
CODE	LP-G001	

- Utilizzare la vite per vincolare il tratto a rotelle al gancio.
- Use the screw to fix the roller track to the connector.

## Vite trilobata M5x8

Screw M5x8



NOME	Vite trilobata M5x8	100 pezzi
NAME	Screw M5x8	100 pieces
CODE	LP-V010	



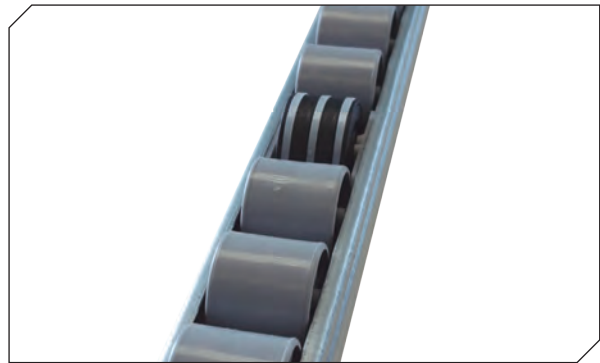
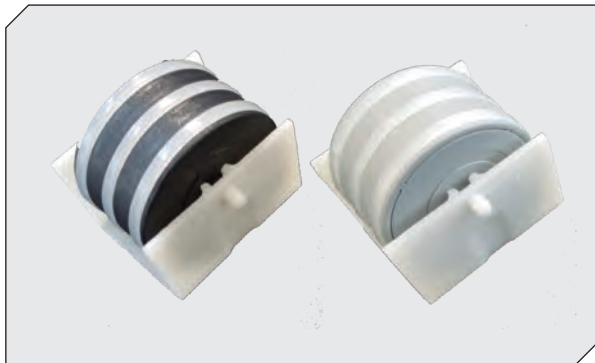
# Magazzini supermarket e rulliere

Supermarkets and racks

SUS

## Rullo Frizionato

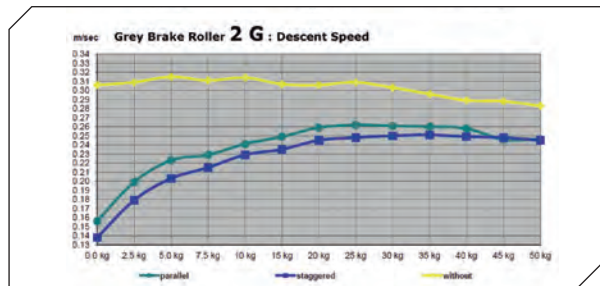
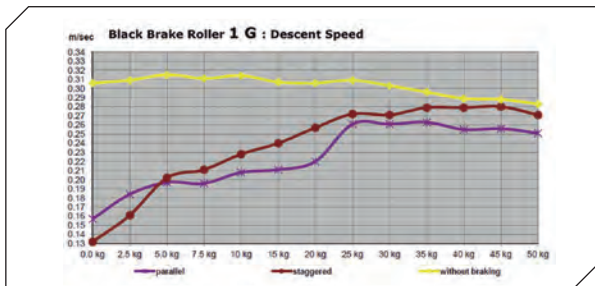
Brake Wheel



NOME	Rullo Frizionato G1 nero	Rullo Frizionato G2 grigio
NAME	Brake Wheel G1 black	Brake Wheel G2 grey
CODE	LP-RF1	LP-RF2

- Riduzione della capacità di scivolamento fino ad un massimo di 0,3 m / s.
- Eseguce la frenata grazie ad un ingranaggio meccanico.
- Frenata costante lungo il binario.

- Speed reduction up to 0,3 m / s.
- The braking is obtained with mechanical gears.
- Constant brake along the roller track.



LEAN GREEN FACTORY CATALOGUE

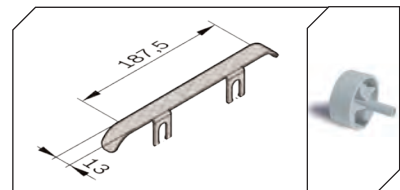
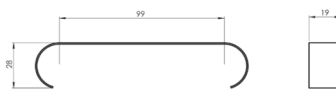
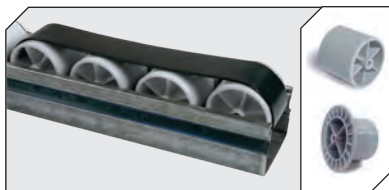
B

SEZIONE - SECTION

V 4.0

## Freno per tratto a rotelle

Brake for roller



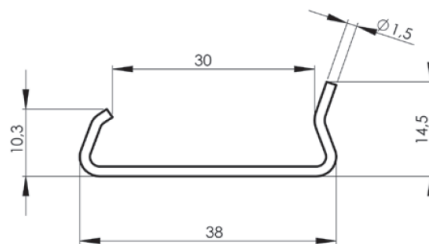
NOME	Freno per tratto a rotelle A
NAME	Brake for roller A
CODE	GF28-BR

- TECHNICAL DATA**
- Material: Steel
  - Weight: 20 g

NOME	Freno per tratto a rotelle B
NAME	Brake for roller B
CODE	GF28-BR1

## Clip di tenuta

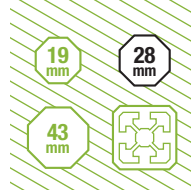
Fixing Clip



NOME	Clip di tenuta
NAME	Fixing Clip
CODE	GF28-CC

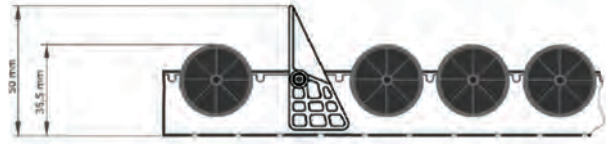
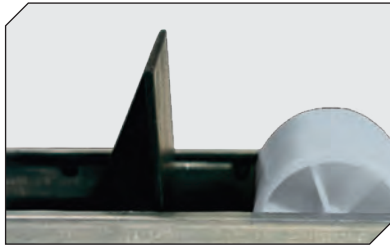
- TECHNICAL DATA**
- Material: Galvanized Steel
  - Weight: 8 g

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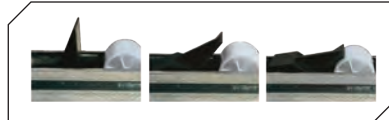


## Buffer antiritorno

Non-return buffer



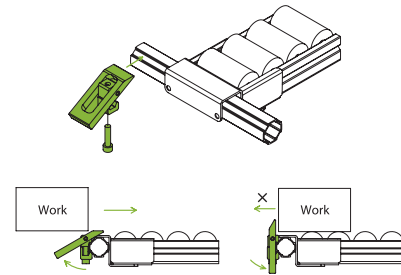
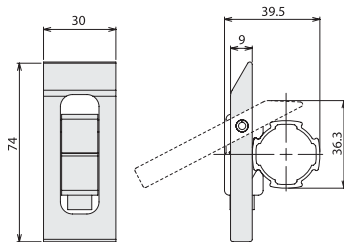
<b>NOME</b>	Buffer antiritorno
<b>NAME</b>	Non-return buffer
<b>CODE</b>	GF28-ARB



- TECHNICAL DATA**
- Material: Plastic
  - Weight: 10 g

## Buffer antiritorno GF

Non-return Conveyor

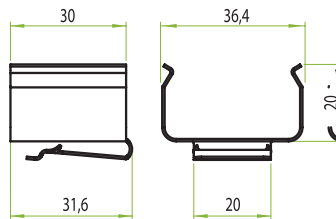
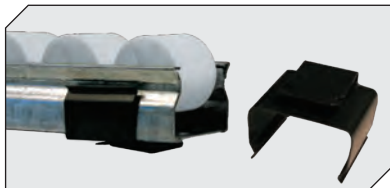


<b>NOME</b>	Buffer antiritorno GF
<b>NAME</b>	Non-return Conveyor
<b>CODE</b>	GFK-N05

- TECHNICAL DATA**
- Body Material: Extruded Aluminium
  - Bolt Material: Steel
  - Weight: 52 g

## Clip di fissaggio

Fixing Clip



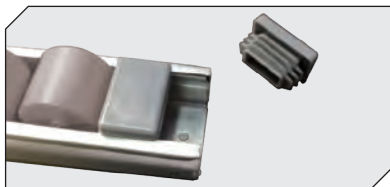
- Per fissare i tratti a rotelle su piani; spessore max 2 mm.
- To fix rollers on plates with 2 max thickness.

<b>NOME</b>	Clip di fissaggio
<b>NAME</b>	Fixing Clip
<b>CODE</b>	GF28-CF

- TECHNICAL DATA**
- Material: Metal
  - Weight: 14 g

## Tappo Superiore

Upper Cap



<b>NOME</b>	Tappo superiore
<b>NAME</b>	Upper Cap
<b>CODE</b>	GF28-TPG

- TECHNICAL DATA**
- Material: Polypropylene
  - Weight: 10 g

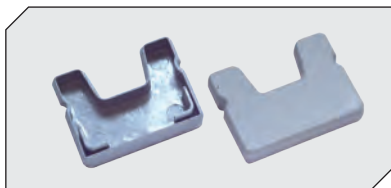
# Magazzini supermarket e rulliere

Supermarkets and racks

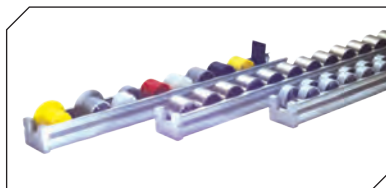
SUS

## Tappo per tratto a rotelle

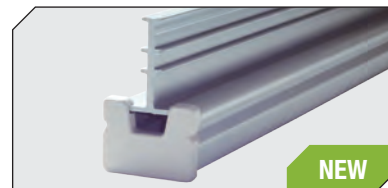
Cap for roller



NOME	Tappo per tratto a rotelle
NAME	Cap for roller
CODE	GF28-TR



**TECHNICAL DATA**  
 ■ Material: Plastic  
 ■ Weight: 3,8 g



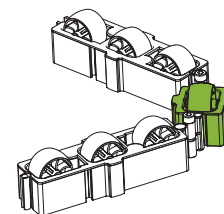
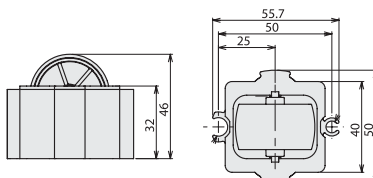
NOME	Tappo Guida Centrale
NAME	Cap for roller central guide
CODE	GF28-TG

## Rullo singolo per Curva

Single Roller for Curve



NOME	Rullo singolo per Curva
NAME	Single roller for Curve
CODE	GFC-070



■ Utilizzato per ottenere il raggio di curvatura desiderato.  
 ■ Used to reach the desired curve radius.

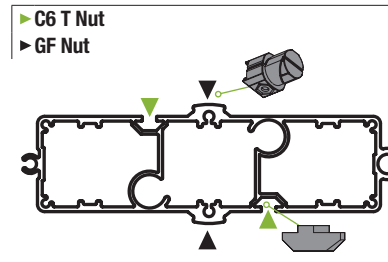
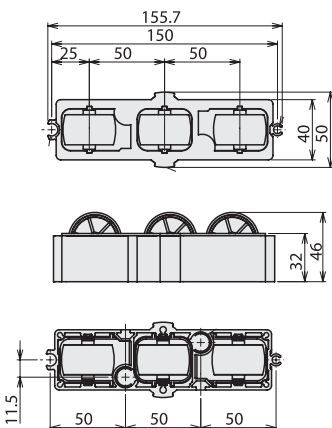
**TECHNICAL DATA**  
 ■ Body Material: Aluminium  
 ■ Wheel Material: PA

## Rullo Triplo per Curva

Triple Roller for Curve



NOME	Rullo Triplo per Curva
NAME	Triple Roller for Curve
CODE	GFC-073



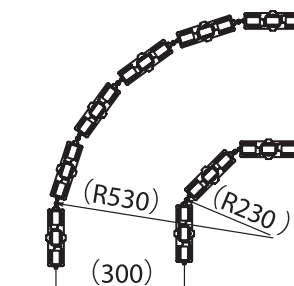
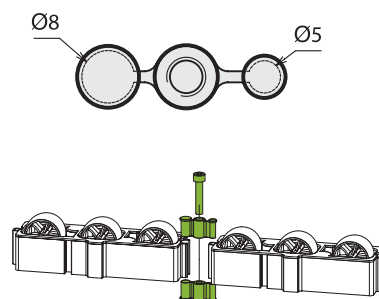
**TECHNICAL DATA**  
 ■ Metal case Material: Extruded Aluminium  
 ■ Resin case Material: Polyacetal  
 ■ Wheel Material: Polyethylene  
 ■ Pin Material: Stainless Steel

## Giunzione per Rullo Curva

Joint for Curve Roller



NOME	Giunzione per Rullo Curva
NAME	Joint for Curve Roller
CODE	GFC-076



**TECHNICAL DATA**  
 ■ Body Material: Aluminium Diecast  
 ■ Bolt Material: Iron

LEAN GREEN FACTORY CATALOGUE

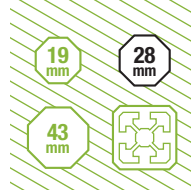
B

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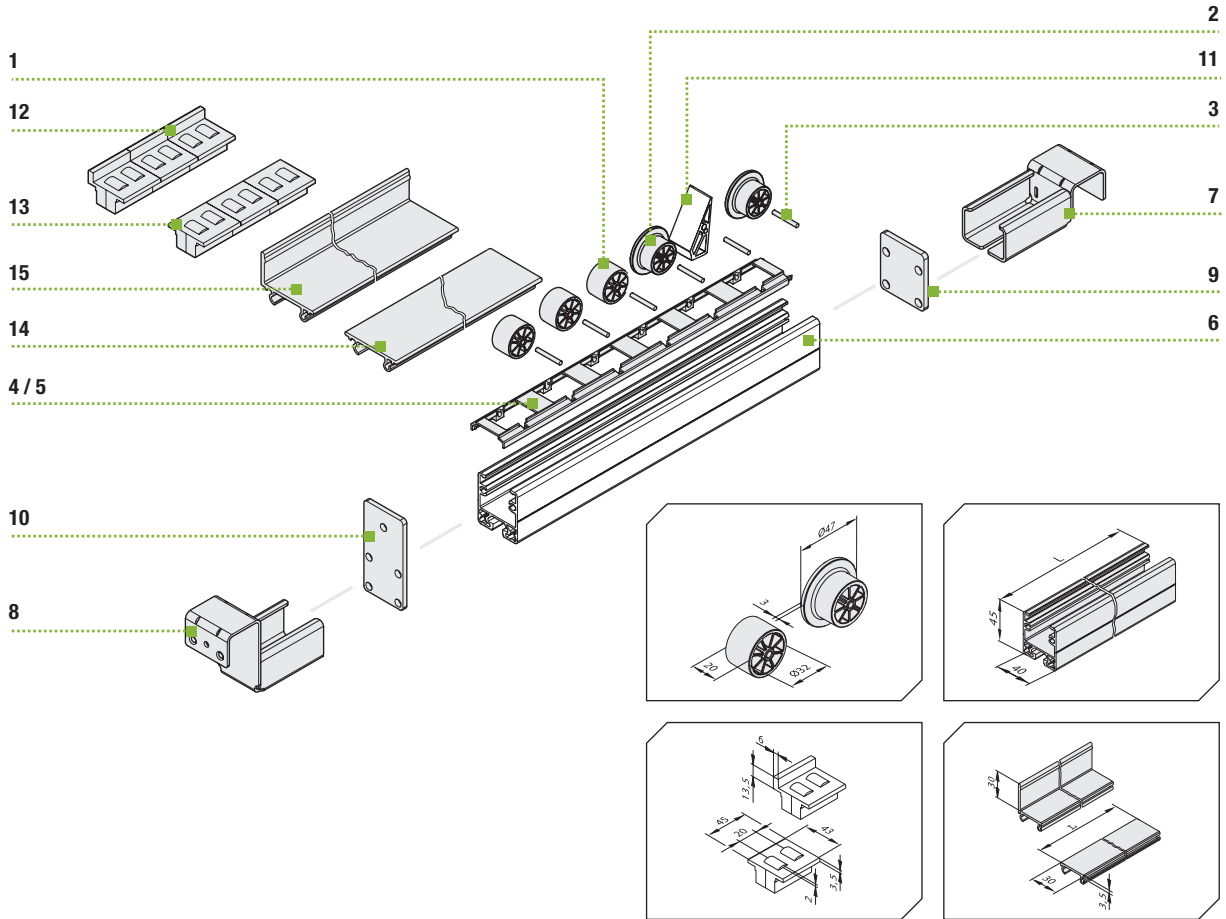
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# Rulliera modulare

Modular Roller System



			Nero / Black	Verde / Green	Giallo / Yellow	Rosso / Red
	<b>NOME / NAME</b>	<b>MODELLO / TYPE</b>	<b>CODE</b>			
1	<b>Rullo Singolo A</b> Single Roller A		LP-BL001	LP-BL002	LP-BL003	LP-BL004
2	<b>Rullo Singolo con ala B</b> Single Roller with flap B		LP-BL005	LP-BL006	LP-BL007	LP-BL008

	<b>NOME / NAME</b>	<b>INFO</b>	<b>Lunghezza</b> Lenght mm		<b>CODE</b>
3	<b>Perno in acciaio</b> / Steel pin				LP-BL010
4	<b>Supporto rulli A</b> / Roller support A	per rullo singolo / for single roller	300	P= 37.5	LP-BL011
5	<b>Supporto rulli B</b> / Roller support B	per rullo singolo con ala / for single roller with flap	300	P= 50	LP-BL012
6	<b>Profilo a U</b> / U shaped profile	C10 / L Slot	6000	40 x 45	LP-BL013
7	<b>Gancio per rulli AI</b> Connector for roller AI				LP-BL014
8	<b>Gancio per rulli AI con fermo basso</b> Connector for roller AI low stop				LP-BL015
9	<b>Piastra bassa</b> / Low plate	n° 4 viti incluse / n° 4 screws included		40 x 45	LP-BL016
10	<b>Piastra alta</b> / High plate	n° 4 viti incluse / n° 4 screws included		40 x 80	LP-BL017
11	<b>Buffer antiritorno</b> / Antireturn buffer				GF28-ARB
12	<b>Modulo Rulli</b> / Rollers module		45		LP-BL018
13	<b>Modulo Rulli con ala</b> Rollers module with flap		45	H= 13.5	LP-BL019
14	<b>Guida scorrevole</b> / Sliding guide		3000		LP-BL020
15	<b>Guida scorrevole con ala</b> Sliding guide with flap		3000	H= 30	LP-BL021

# Magazzini supermarket e rulliere

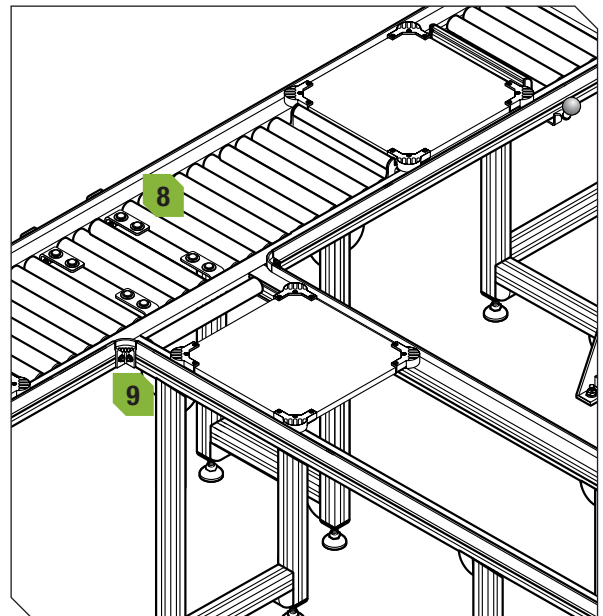
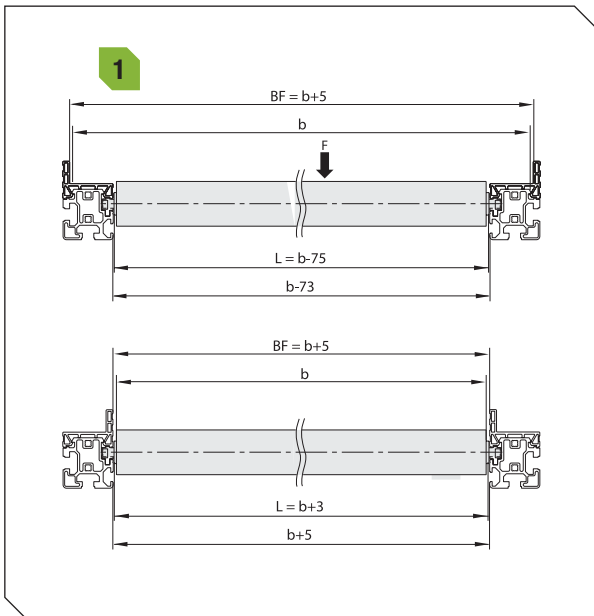
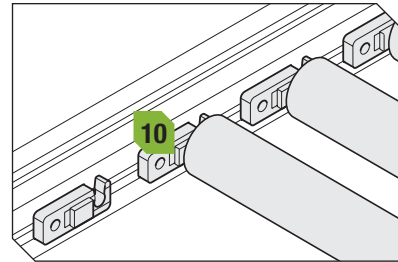
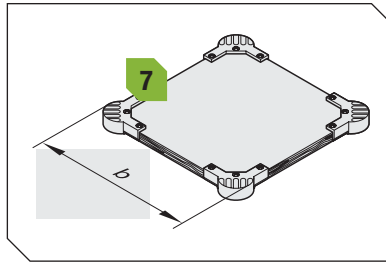
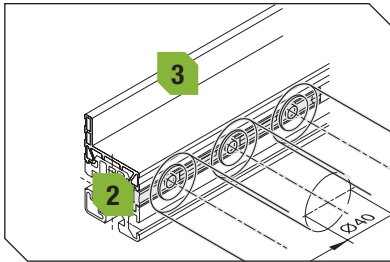
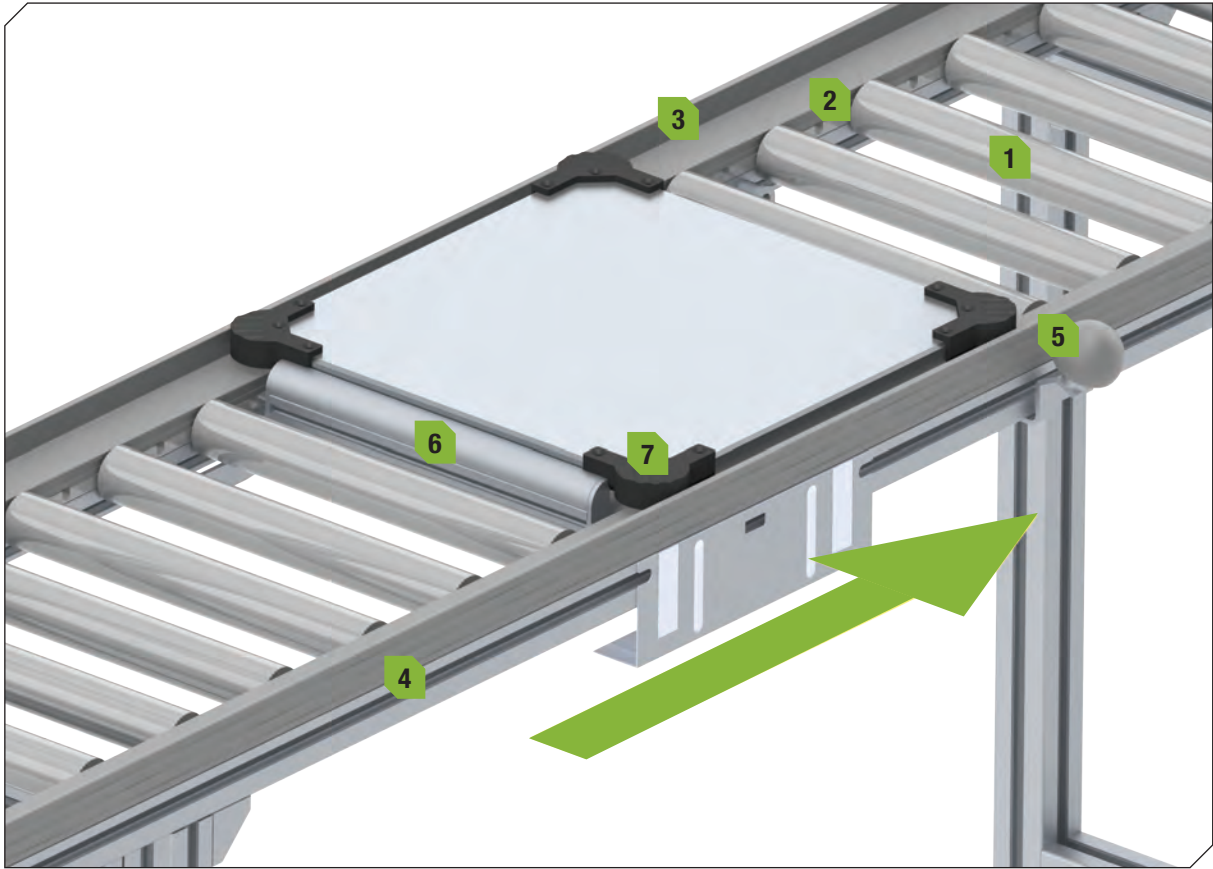
Supermarket and racks

SUS

## Rulliera modulare

Modular Roller System

LEAN GREEN FACTORY CATALOGUE



B

SEZIONE - SECTION

V 4.0

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19  
mm28  
mm43  
mm

	NOME / NAME	INFO	Lunghezza / Length mm	CODE
1	<b>Rullo in plastica</b> Plastic roller	Ø 40 mm / F= 150 N	225	LP-BE001
			325	LP-BE002
			425	LP-BE003
			525	LP-BE004
2	<b>Supporto per rulli</b> Rollers support		250	LP-BE010
3	<b>Profilo di guida</b> Guide profile	plastica plastic	3000	LP-BE011
4	<b>Profilo Al per rulli</b> Al profile for rollers	C10 / L Slot	6000	LP-BE012
5	<b>Singularizzatore A</b> Stop Gate	set di fissaggio incluso, versione con manopola fixing kit included, version with handle	225	LP-BE020
			325	LP-BE021
			425	LP-BE022
			525	LP-BE023
6	<b>Singularizzatore B</b> Stop Gate	set di fissaggio incluso fixing kit included	225	LP-BE030
			325	LP-BE031
			425	LP-BE032
			525	LP-BE033
7	<b>Angolari per pallet</b> Pallet Corners piece	4 pezzi 4 pieces		LP-BE040
8	<b>Supporto direzionale</b> Bi-directional support	4 pezzi 4 pieces		LP-BE041
9	<b>Elemento angolo</b> Corner element	2 pezzi 2 pieces		LP-BE042
10	<b>Supporto rullo singolo</b> Single roller support	C8 / C10		LP-BE043



# Note

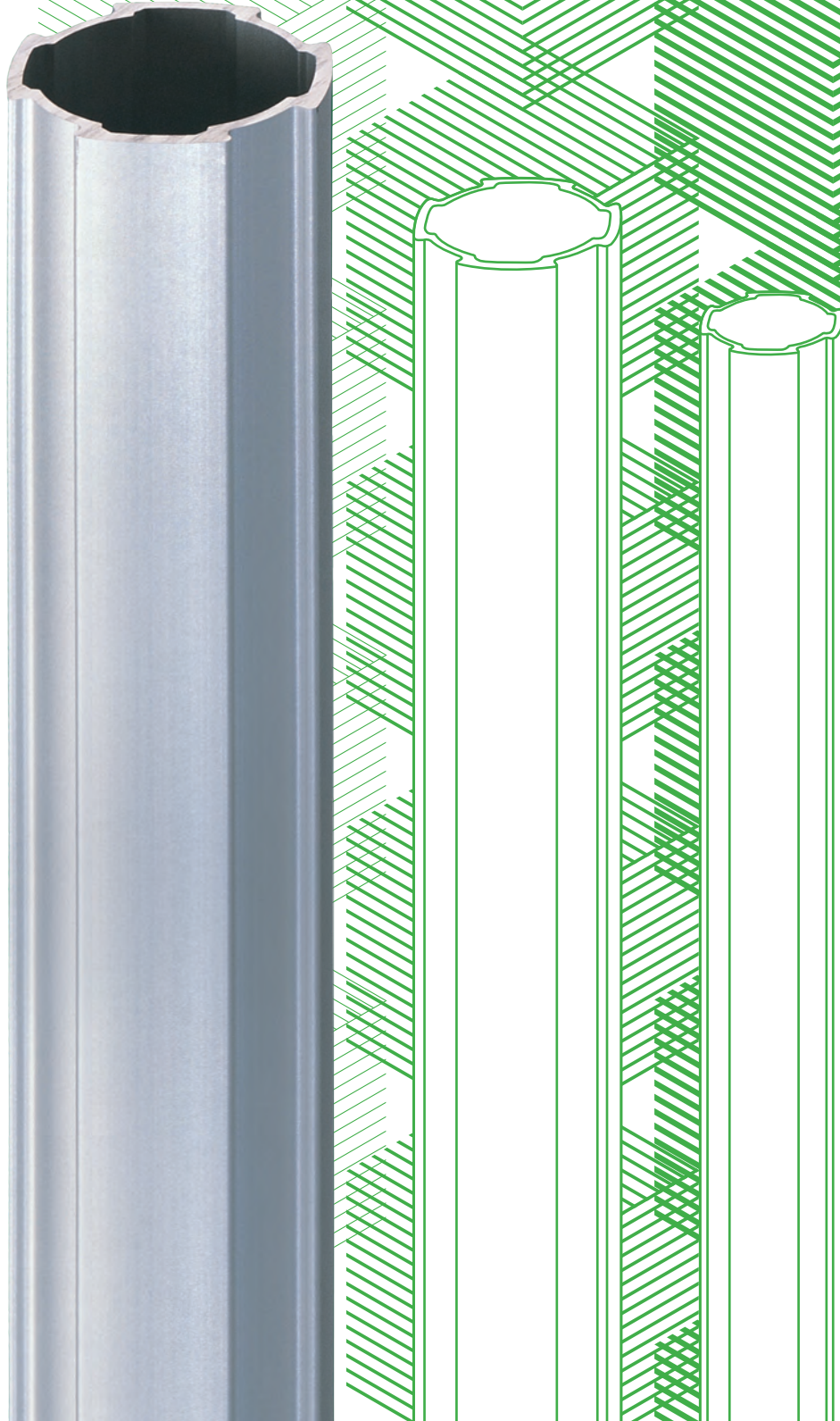
Notes

19 mm

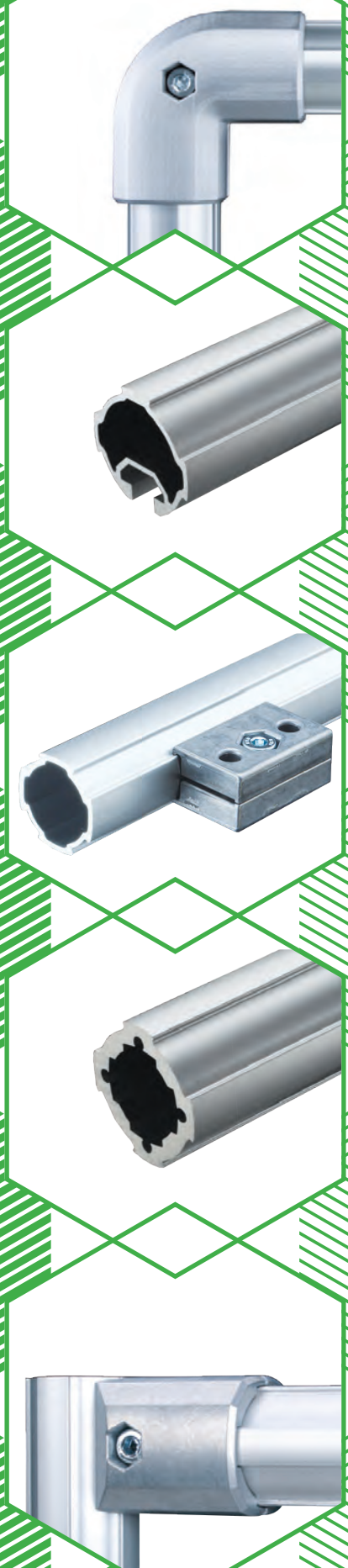
28 mm

43 mm









# GF-G

**Dimensione Esterna**  
**Outer Dimension** **43 mm**

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Via Bassanti, 8 | 33170 Pordenone (PN)  
T +39 0434 572757 - F +39 0434 572750  
info@LeanProducts.eu - www.LeanProducts.eu

V40

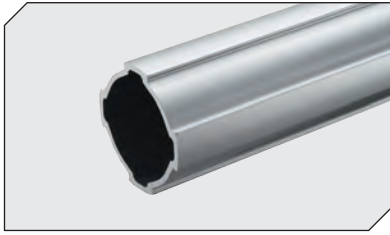
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C

LEAN GREEN FACTORY CATALOGUE

SUS

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## Profili

Frames



C-6

## Connettori

Connectors



C-10

## Accessori

Accessories

# Profili Frames

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info@LeanProducts.eu - www.LeanProducts.eu



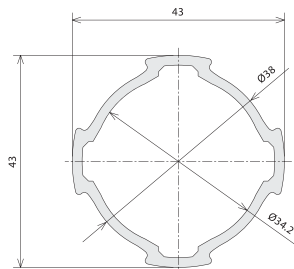
# Profili

## Frames

SUS

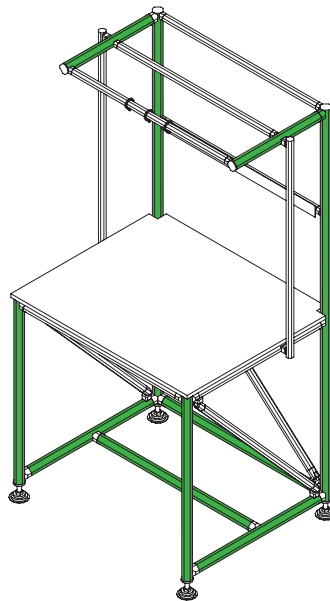
### Profilo GF-G

Green Frame G



<b>COMPATIBLE FRAME CAP ▶ C-11</b>	
 Inner Cap G	<b>GFA-402</b>

<b>NOME</b>	Profilo GF-G	<b>L= 4000 mm</b>
<b>NAME</b>	Green Frame G	
<b>CODE</b>	<b>GFF-200</b>	



- Ideale per aumentare rigidità e portata delle strutture GF grazie alla compatibilità GF-N.
- Being suitable for GF-N it makes GF structures more stable.

**TECHNICAL DATA**

- Section secondary momentum:  $I_x=5.07 \times 10^4 \text{ mm}^4$  /  $I_y=5.07 \times 10^4 \text{ mm}^4$
- Section coefficient:  $Z_x=2.36 \times 10^3 \text{ mm}^3$  /  $Z_y=2.36 \times 10^3 \text{ mm}^3$
- Mass Unit: 0.74 kg / m

LEAN GREEN FACTORY CATALOGUE

C

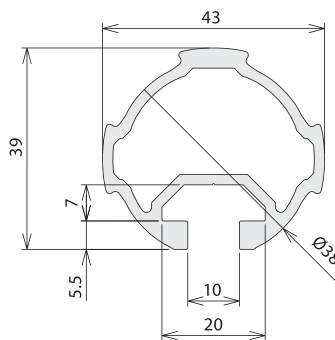
SEZIONE - SECTION

V 4.0

LEANPRODUCTS  
Lean manufacturing

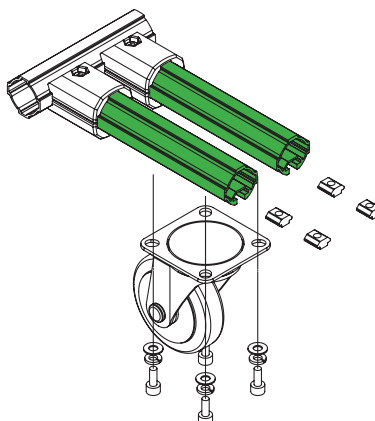
### Profilo GF-G C10

Green Frame G L Slot



<b>COMPATIBLE FRAME CAP ▶ C-11</b>	
 GF-G L Slot Inner Cap	<b>GFA-409</b>

<b>NOME</b>	Profilo GF-G C10	<b>L= 4000 mm</b>
<b>NAME</b>	Green Frame G L Slot	
<b>CODE</b>	<b>GFF-205</b>	

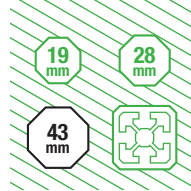


- Sfruttare la cava del profilo per il fissaggio di varie componenti tra cui, in particolare ruote con piastra utilizzando i dadi con testa a martello.

- Frames Slot can be use for the installation various parts in particular plate fixing wheels with hammer head nut.

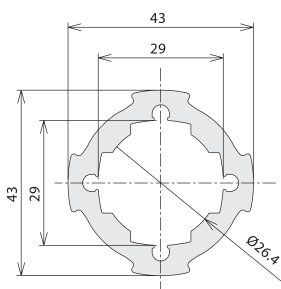
**TECHNICAL DATA**

- Section secondary momentum:  $I_x=5.79 \times 10^4 \text{ mm}^4$  /  $I_y=5.21 \times 10^4 \text{ mm}^4$
- Section coefficient:  $Z_x=2.43 \times 10^3 \text{ mm}^3$  /  $Z_y=2.69 \times 10^3 \text{ mm}^3$
- Mass Unit: 0.98 kg / m

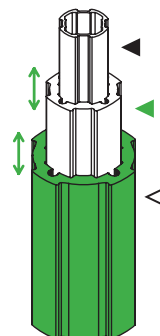
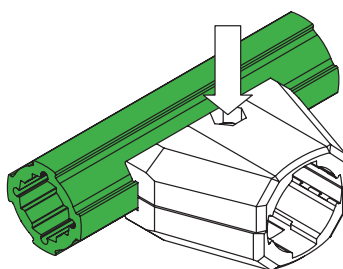


## Profilo GF-G Hard

Green Frame G Hard



- ▶ GF-S (19 mm)
- ▶ Green Frame Hard
- ▶ Green Frame G Hard



NOME	Profilo GF-G Hard	L= 4000 mm
NAME	Green Frame G Hard	
CODE	GFF-209	

- Resistenza doppia rispetto a GFF-200.
- Soluzione telescopica con profilo Green Frame.
- Double resistance compared to GFF-200
- Telescopic solution with Green Frame.

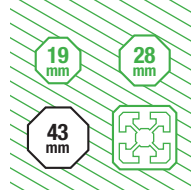
### TECHNICAL DATA

- Section secondary moment:  $I_x=9.18 \times 10^4 \text{ mm}^4 / I_y=9.18 \times 10^4 \text{ mm}^4$
- Section coefficient:  $Z_x=4.27 \times 10^3 \text{ mm}^3 / Z_y=4.27 \times 10^3 \text{ mm}^3$
- Mass Unit: 1.57 kg / m

# Connettori

# Connectors



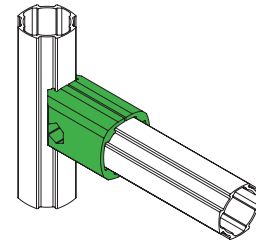
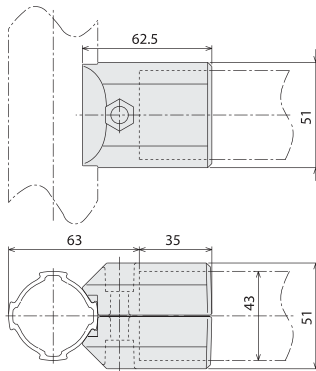


# Connettori

## Connectors

### Connettore 90° Esterno G

Multi Connector Outer Type G



<b>NOME</b>	<b>Connettore 90° Esterno G</b>
<b>NAME</b>	Multi Connector Outer Type G
<b>CODE</b>	<b>GFJ-014</b>

- Fissaggio con una sola vite.
- Compatibile con GF-N (28 mm).

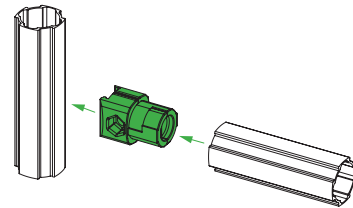
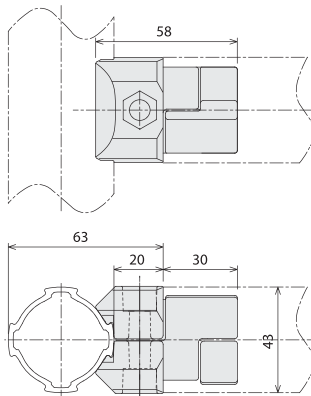
- Only 1 bolt and wrench to complete connecting the frame.
- Suitable for GF-N (28 mm).

**TECHNICAL DATA**

- Weight: 195 g

### Connettore 90° Interno G

Multi Connector Inner Type G



<b>NOME</b>	<b>Connettore 90° Interno G</b>
<b>NAME</b>	Multi Connector Inner Type G
<b>CODE</b>	<b>GFJ-209</b>

- Fissaggio con una sola vite.
- Compatibile con GF-N (28 mm).
- Il connettore non è visibile esternamente.

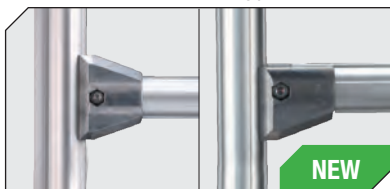
- Only 1 bolt and wrench to complete connecting the frame.
- Suitable for GF-N (28 mm).
- The connector it's not visible from the outside.

**TECHNICAL DATA**

- Weight: 158 g

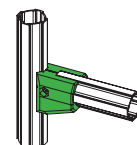
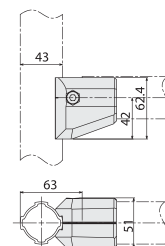
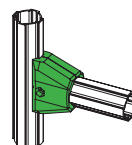
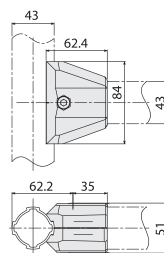
### Connettore 90° Esterno GM / GH

Multi Connector Outer Type GM / GH



GFJ-028

GFJ-031



<b>NOME</b>	<b>Connettore 90° Esterno GM</b>	<b>Connettore 90° Esterno GH</b>
<b>NAME</b>	Multi Connector Outer Type GM	Multi Connector Outer Type GH
<b>CODE</b>	<b>GFJ-028</b>	<b>GFJ-031</b>

- Questi connettori hanno una portata maggiore.
- These connectors increase the loading capacity.

**TECHNICAL DATA**

- Material: Polypropylene
- Weight: GFJ-028 311 g
- GFJ-031 244 g

# Connettori

## Connectors

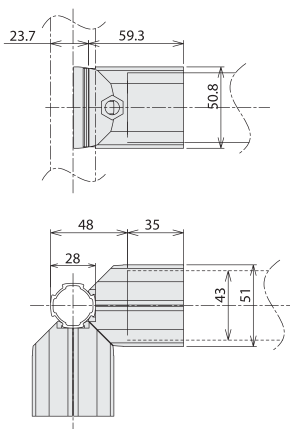
SUS

### Connettore 90° Esterno G-N

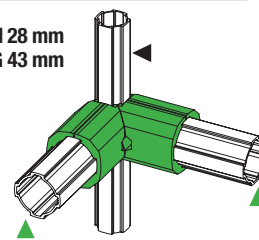
Multi Connector Outer type G-N



NOME	Connettore 90° Esterno G-N
NAME	Multi Connector Outer type G-N
CODE	GFJ-022



- Green Frame N 28 mm
- Green Frame G 43 mm



- Utilizzare questo connettore per connessione con profilo GF-N (ingombro inferiore).
- Apply this when connect GF-G (OD 43 mm) frame to the neighbor frame of GF-N (OD 28 mm) at 90°.

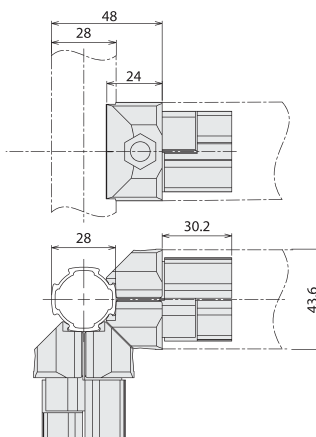
**TECHNICAL DATA**  
■ Weight: 177 g

### Connettore 90° Interno G-N

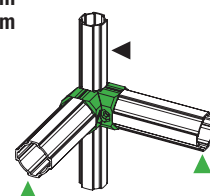
Multi Connector Inner type G-N



NOME	Connettore 90° Interno G-N
NAME	Multi Connector Inner type G-N
CODE	GFJ-224



- Green Frame N 28 mm
- Green Frame G 43 mm



- Utilizzare questo connettore per connessione con profilo GF-N (ingombro inferiore).
- Use this connector with GF-N (smaller dimension).

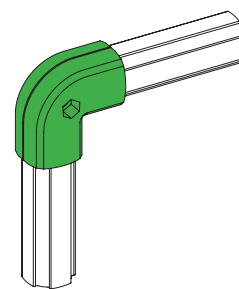
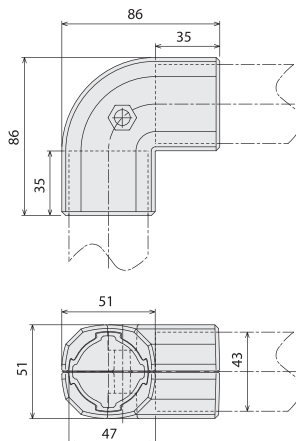
**TECHNICAL DATA**  
■ Weight: 148 g

### Connettore Esterno angolo 90° G

Angle connector Outer type G



NOME	Connettore Esterno angolo 90° G
NAME	Angle connector Outer type G
CODE	GFJ-016



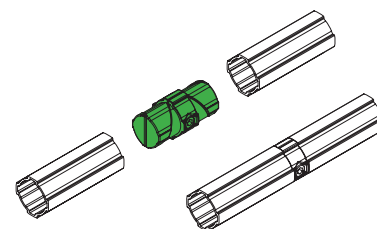
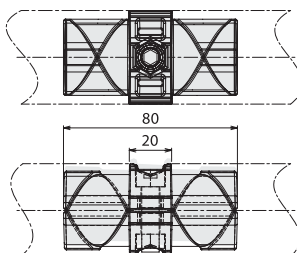
**TECHNICAL DATA**  
■ Weight: 330 g

### Connettore lineare G

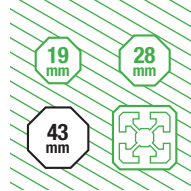
Straight connector G



NOME	Connettore lineare G
NAME	Straight connector G
CODE	GFJ-B41

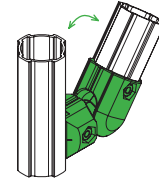
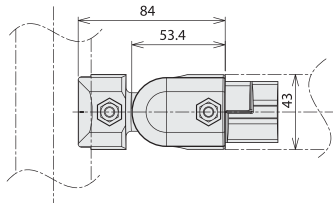


**TECHNICAL DATA**  
■ Weight: 205 g



### Connettore Interno snodato G

Free Connector Inner Type G



NOME	Connettore Interno snodato G
NAME	Free Connector Inner Type G
CODE	GFJ-228

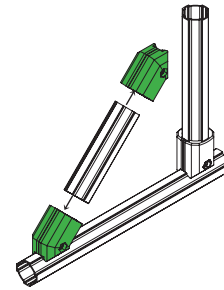
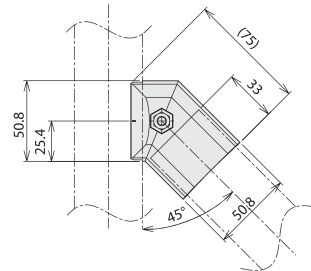
- Fissaggio profilo con qualsiasi angolo d'inclinazione.
- La seconda vite blocca la sfera ed il profilo.

- Freely set the angle to install the frame.
- Tighten the second bolt to fix the ball and the frame.

**TECHNICAL DATA**  
■ Weight: 337 g

### Connettore 45° Esterno G

45° Connector Outer type G



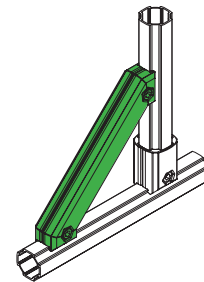
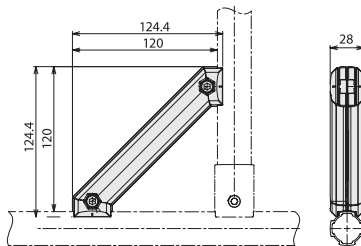
NOME	Connettore 45° Esterno G
NAME	45° Connector Outer type G
CODE	GFJ-024

- Compatibile con GF-N (28 mm).
- Suitable for connect GF-N. Frame to the grip side.

**TECHNICAL DATA**  
■ Weight: 221 g

### Rinforzo 45° lungo

Point Connector long



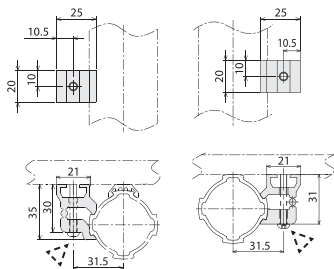
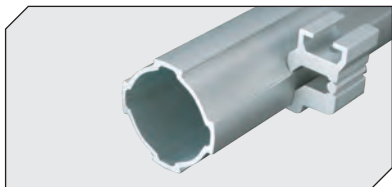
NOME	Rinforzo 45° lungo
NAME	Point Connector long
CODE	GFJ-B80

- Compatibile con GF-N (28 mm).
- Suitable for connect GF-N. Frame to the grip side.

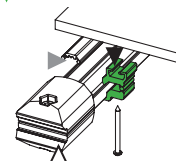
**TECHNICAL DATA**  
■ Weight: 167 g

### Fissaggio pannelli G

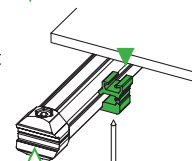
Boards Holder G



▼ GFJ-A33



▼ GFJ-A34



NOME	Fissaggio pannelli G Esterno	Fissaggio pannelli G Interno
NAME	Boards Holder G Outer	Boards Holder G Inner
CODE	GFJ-A33	GFJ-A34

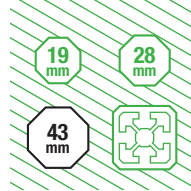
- ▶ Board Holder G Outer
- ▶ Board Holder G Inner
- ▶ Multi Connector Outer Type G
- ▶ Multi Connector Inner Type G
- ▶ Frame Guard G
- M5

**TECHNICAL DATA**  
■ Material: Extruded Aluminium  
■ Weight: GFJ-A33 21 g  
GFJ-A34 18,9 g



# Accessori

# Accessories

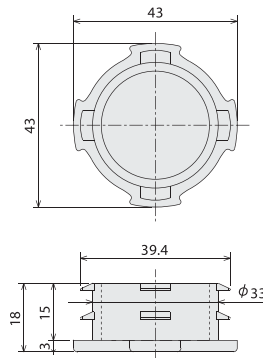
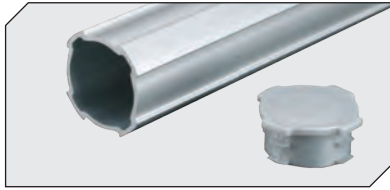


# Accessori

Accessories

## Tappo Interno G

Inner Cap G



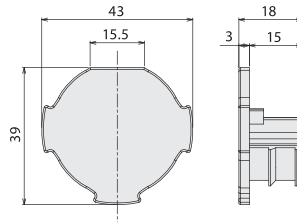
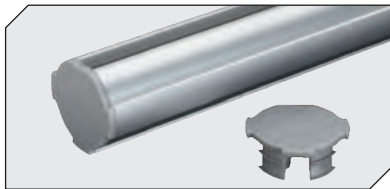
<b>COMPATIBLE FRAME</b> ▶ C-4	
Green Frame G	<b>GFF-200</b>

<b>NOME</b>	Tappo Interno G
<b>NAME</b>	Inner Cap G
<b>CODE</b>	<b>GFA-402</b>

<b>TECHNICAL DATA</b>	
■ Material: Polyethylene	
■ Weight: 7 g	

## Tappo Interno G C10

GF-G L Slot Inner cap



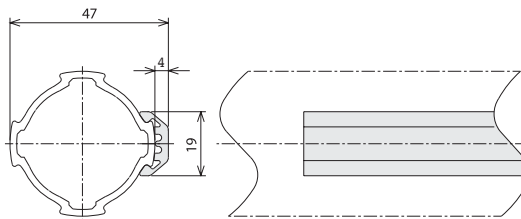
<b>COMPATIBLE FRAME</b> ▶ C-4	
Green Frame G L Slot	<b>GFF-205</b>

<b>NOME</b>	Tappo Interno G C10
<b>NAME</b>	GF-G L Slot Inner cap
<b>CODE</b>	<b>GFA-409</b>

<b>TECHNICAL DATA</b>	
■ Material: Low Density Polyethylene	
■ Weight: 5 g	

## Copricava G

Frame Guard G

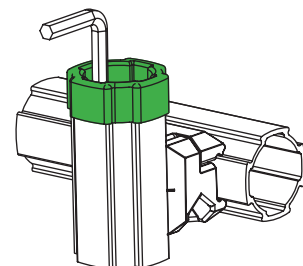
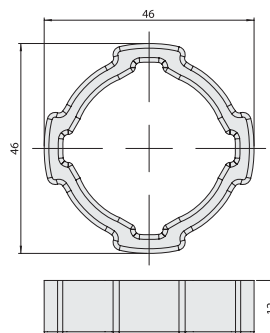


<b>NOME</b>	Copricava G	<b>L= 2000 mm</b>
<b>NAME</b>	Frame Guard G	
<b>CODE</b>	<b>GFA-805G</b>	

<b>TECHNICAL DATA</b>	
■ Material: Polyethylene	
■ Color: Grey	
■ Weight: 104 g	

## Protezione GF-G

GF-G Bumper



<b>NOME</b>	<b>Protezione GF-G Grigio</b>	<b>Protezione GF-G Rosso</b>
<b>NAME</b>	GF-G Bumper Grey	GF-G Bumper Red
<b>CODE</b>	<b>GFA-428</b>	<b>GFA-433</b>

<b>TECHNICAL DATA</b>	
■ Material: Soft PVC	
■ Weight: 7 g	

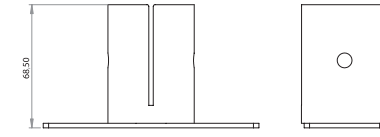
# Accessori

Accessories

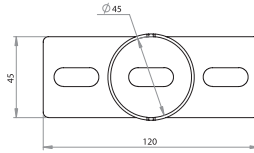
SUS

## Supporto laterale GF-G

GF-G Side support



NOME	Supporto laterale GF-G
NAME	GF-G Side support
CODE	LP-MF010

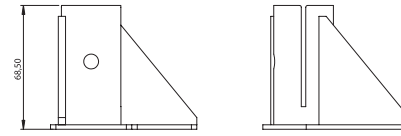
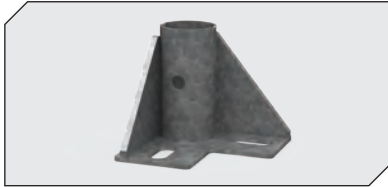


### TECHNICAL DATA

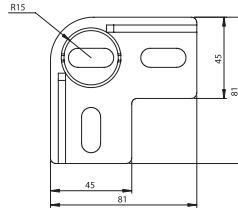
- Material: Galvanized steel
- Weight: 200 g

## Supporto angolare GF-G

Corner support GF-G



NOME	Supporto angolare GF-G
NAME	GF-G Corner support
CODE	LP-MF011

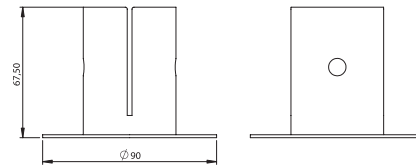
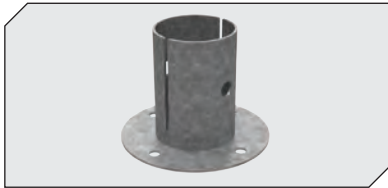


### TECHNICAL DATA

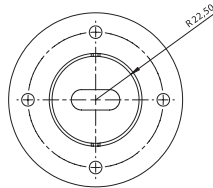
- Material: Galvanized steel
- Weight: 300 g

## Supporto centrale GF-G

GF-G Central support



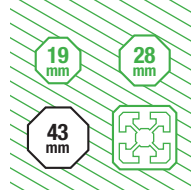
NOME	Supporto centrale GF-G
NAME	GF-G Central support
CODE	LP-MF012



### TECHNICAL DATA

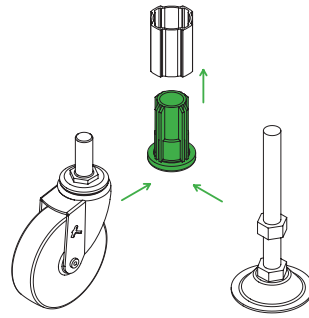
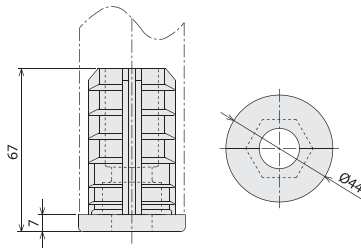
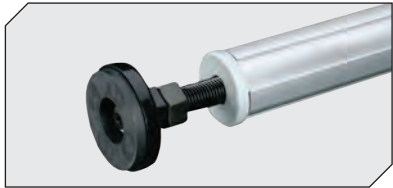
- Material: Galvanized steel
- Weight: 180 g





### Bussola M16 G / ESD

Foot connector M16 G / ESD



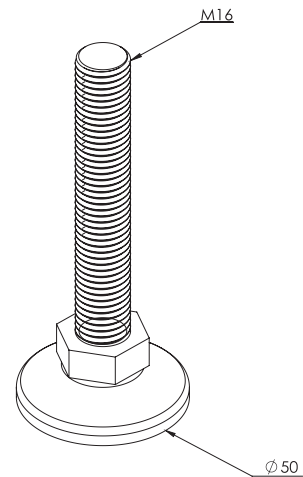
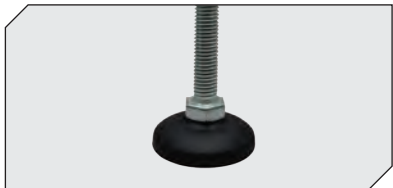
<b>NOME</b>	<b>Bussola M16 G 40 mm</b>	<b>Bussola M16 G ESD 40 mm</b>	<b>Adattatore M12 per bussola M16 G</b>
<b>NAME</b>	Foot connector M16 G 40 mm	Foot connector M16 G ESD 40 mm	M12 Adapter for Foot connector M16 G
<b>CODE</b>	<b>GFN-E05</b>	<b>GFN-E21</b>	<b>LP-A001</b>

- Utilizzare per l'installazione di piedini M16.
- Usare l'adattatore per utilizzare fissaggio M12.
- For foot connector M16 installation.
- Use adapter for M12 fixing.

**TECHNICAL DATA**  
 ■ Material: Nylon  
 ■ Weight: GFN-E05 68 g  
 GFN-E21 78 g

### Piedino Ø 50 mm M16

Foot Ø 50 mm M16

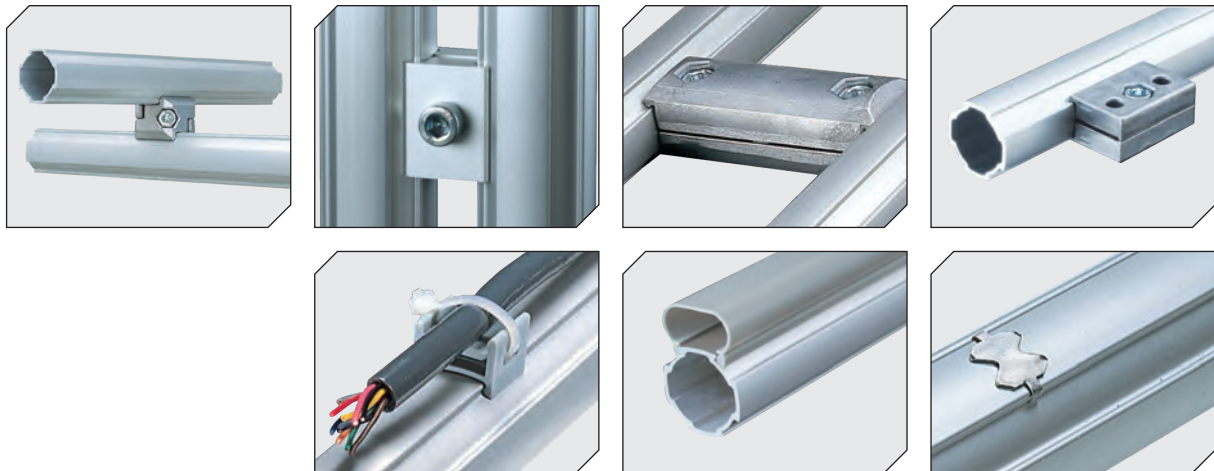


<b>NOME</b>	<b>Piedino Ø 50 mm M16</b>		
<b>NAME</b>	Foot Ø 50 mm M16		
	<b>L= 70 mm</b>	<b>L= 100 mm</b>	<b>Gommino antiscivolo</b> Anti slip plate
<b>CODE</b>	<b>LP-P50M16-70</b>	<b>LP-P50M16-100</b>	<b>LP-P50G</b>

**TECHNICAL DATA**  
 ■ Material: Galvanized Steel / Plastic  
 ■ Weight: 90 g

### Componenti comuni

Shared parts



**Note**

Notes

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LEAN GREEN FACTORY CATALOGUE

**C**

SEZIONE - SECTION

V 4.0

**LEANPRODUCTS<sup>®</sup>**  
Lean manufacturing

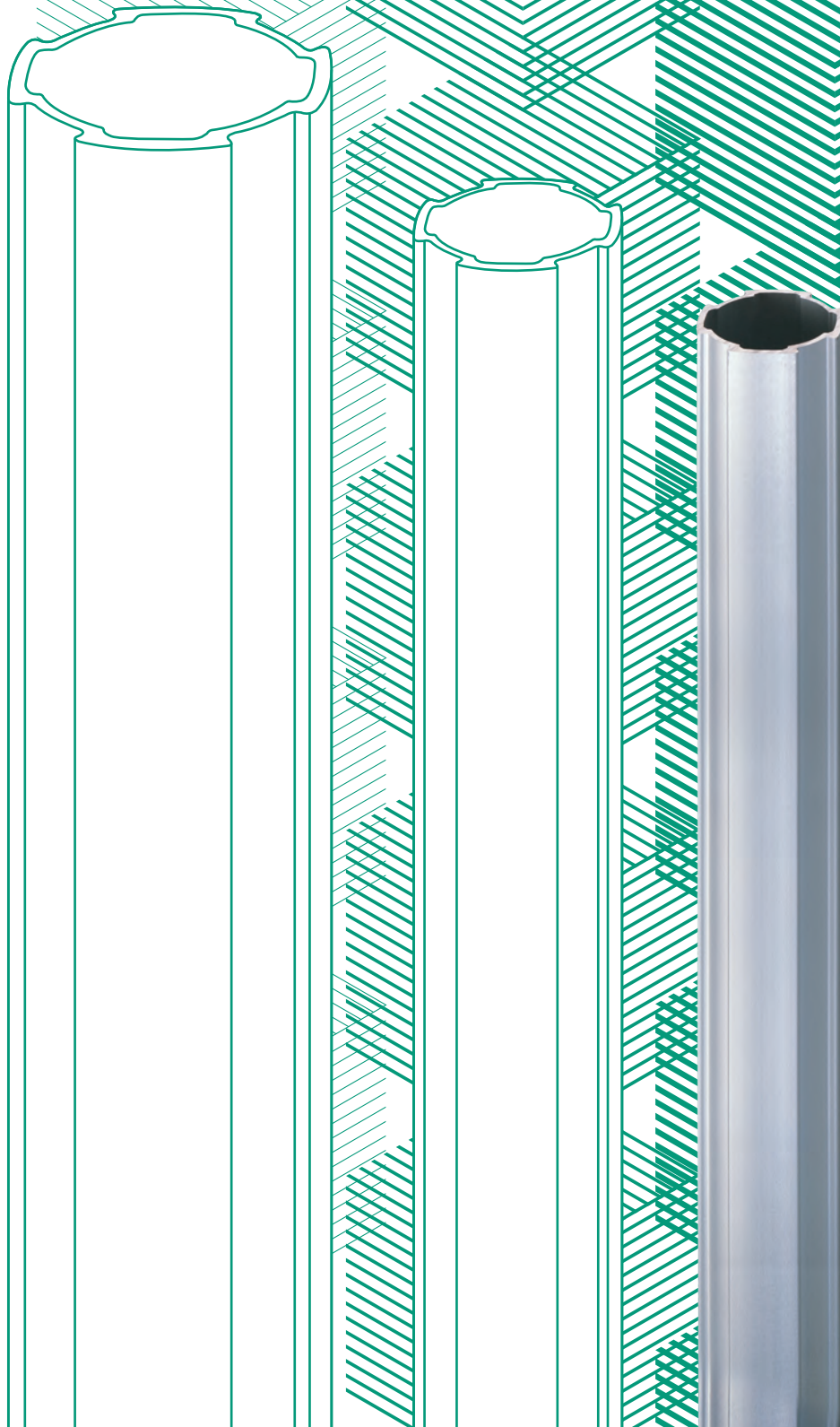
19 mm

28 mm

43 mm









# GF-S

**Dimensione Esterna 19 mm**  
**Outer Dimension**

LeanProducts srl

Via Bassanti, 8 | 33170 Pordenone (PN)  
T +39 0434 572757 - F +39 0434 572750  
info@LeanProducts.eu - www.LeanProducts.eu

V 40

SEZIONE - SECTION

D

LEAN GREEN FACTORY CATALOGUE

SUS

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D-3

**Profili**

Frames



D-6

**Connettori**

Connectors



D-13

**Accessori**

Accessories



# Profili Frames

**LeanProducts srl**  
Via Bassanti, 8 | 33170 Pordenone (PN)  
T +39 0434 572757 - F +39 0434 572750  
info@LeanProducts.eu - www.LeanProducts.eu

V40

SEZIONE - SECTION

D

LEAN GREEN FACTORY CATALOGUE

# Profili

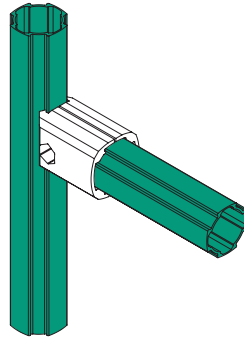
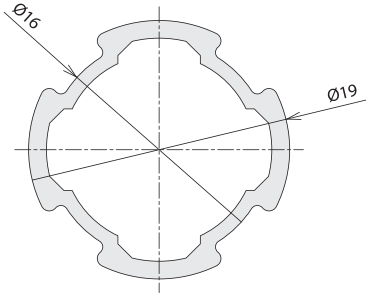
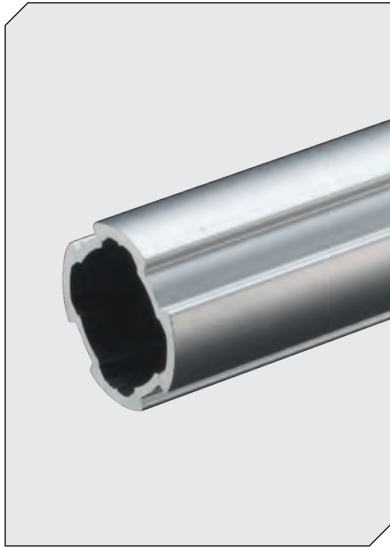
## Frames

SUS

LEAN GREEN FACTORY CATALOGUE

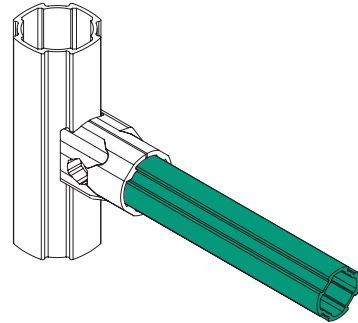
### Profilo GF-S

Green Frame S



<b>COMPATIBLE FRAME CAP ▶ D-16</b>	
	<b>GFA-403</b>

<b>NOME</b>	Profilo GF-S	<b>L= 4000</b>
<b>NAME</b>	Green Frame S	
<b>CODE</b>	<b>GFF-400</b>	



**TECHNICAL DATA**

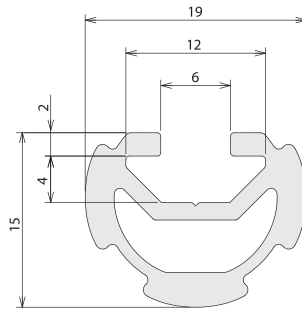
- Section secondary momentum:  $I_x=0.27 \times 10^4 \text{ mm}^4 / I_y=0.27 \times 10^4 \text{ mm}^4$
- Section coefficient:  $Z_x=0.28 \times 10^3 \text{ mm}^3 / Z_y=0.28 \times 10^3 \text{ mm}^3$
- Mass Unit: 0.20 kg / m

D

SEZIONE - SECTION

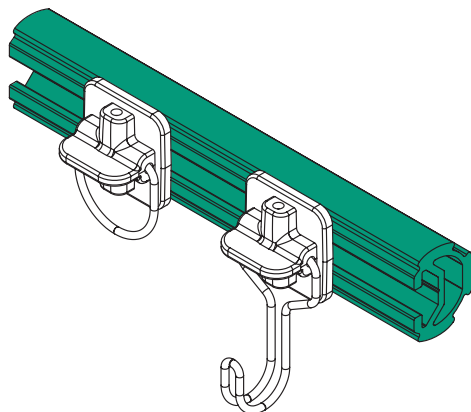
### Profilo GF-S C6

Green Frame S SS Slot



<b>COMPATIBLE FRAME CAP ▶ D-16</b>	
	<b>GFA-408</b>

<b>NOME</b>	Profilo GF-S C6	<b>L= 4000 mm</b>
<b>NAME</b>	Green Frame S SS Slot	
<b>CODE</b>	<b>GFF-401</b>	

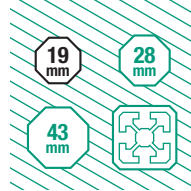


**TECHNICAL DATA**

- Section secondary momentum:  $I_x=1.98 \times 10^4 \text{ mm}^4 / I_y=0.382 \times 10^4 \text{ mm}^4$
- Section coefficient:  $Z_x=0.18 \times 10^3 \text{ mm}^3 / Z_y=0.403 \times 10^3 \text{ mm}^3$
- Mass Unit: 0.30 kg / m

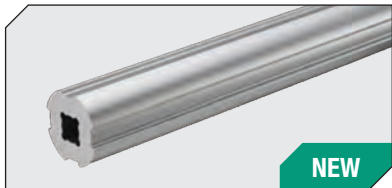
V 4.0

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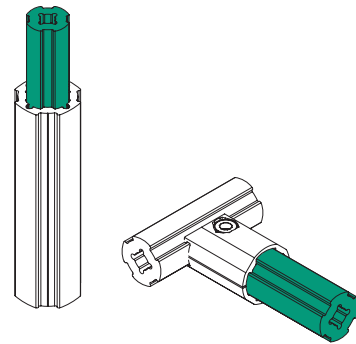
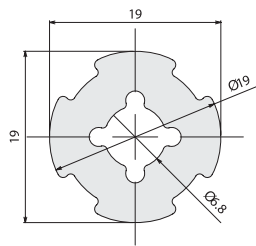


### Profilo GF-S T

Green Frame S T



NOME	Profilo GF-S T	L= 4000 mm
NAME	Green Frame S T	
CODE	GFF-404	

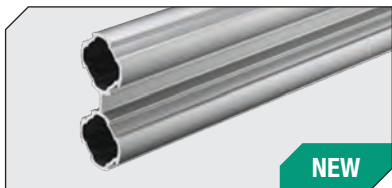


**TECHNICAL DATA**

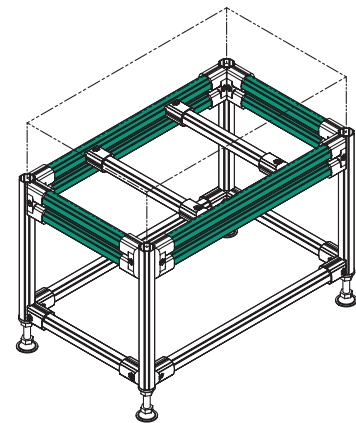
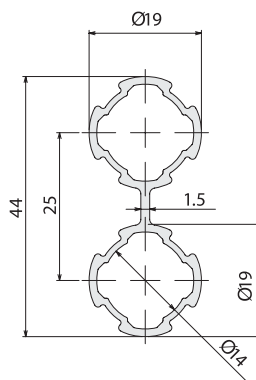
- Section secondary moment:  $I_x=0.51 \times 10^4 \text{ mm}^4 / I_y=0.51 \times 10^4 \text{ mm}^4$
- Section coefficient:  $Z_x=0.54 \times 10^3 \text{ mm}^3 / Z_y=0.54 \times 10^3 \text{ mm}^3$
- Mass Unit: 0.56 kg / m

### Profilo GF-S W

Green Frame S TW



NOME	Profilo GF-S W	L= 4000 mm
NAME	Green Frame S W	
CODE	GFF-406	

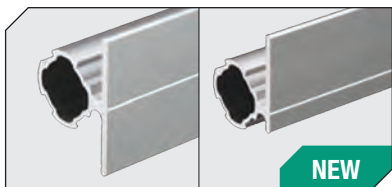


**TECHNICAL DATA**

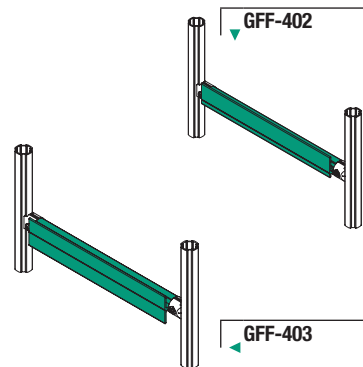
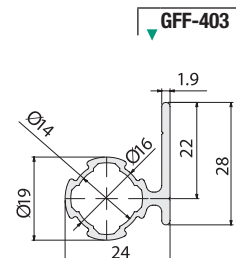
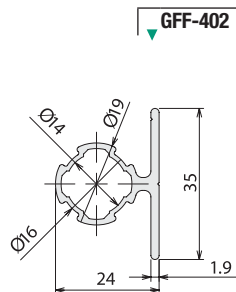
- Section secondary moment:  $I_x=2.87 \times 10^4 \text{ mm}^4 / I_y=0.53 \times 10^4 \text{ mm}^4$
- Section coefficient:  $Z_x=1.30 \times 10^3 \text{ mm}^3 / Z_y=0.56 \times 10^3 \text{ mm}^3$
- Mass Unit: 0.41 kg / m

### Profilo GF-S F35 / F22

Green Frame S F35 / F22



NOME	Profilo GF-S F35	Profilo GF-S F22
NAME	Green Frame S F35	Green Frame S F22
L= 4000 mm		
CODE	GFF-402	GFF-403



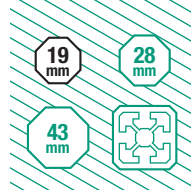
**TECHNICAL DATA**

- Section secondary moment:  $F35 I_x=0.93 \times 10^4 \text{ mm}^4 / I_y=0.92 \times 10^4 \text{ mm}^4$   
 $F22 I_x=0.86 \times 10^4 \text{ mm}^4 / I_y=0.81 \times 10^4 \text{ mm}^4$
- Section coefficient:  $F35 Z_x=0.53 \times 10^3 \text{ mm}^3 / Z_y=0.56 \times 10^3 \text{ mm}^3$   
 $F22 Z_x=0.69 \times 10^3 \text{ mm}^3 / Z_y=0.52 \times 10^3 \text{ mm}^3$
- Mass Unit: GFF-402 0.40 Kg / m  
GFF-403 0.36 Kg / m



# Connettori

# Connectors

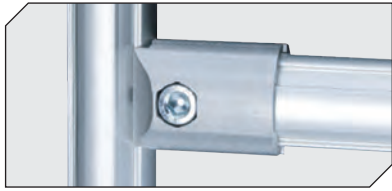


# Connettori

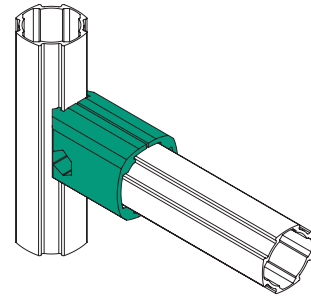
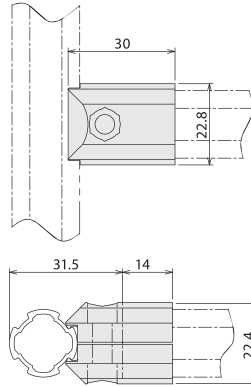
## Connectors

### Connettore 90° Esterno S

Multi Connector Outer Type S



<b>NOME</b>	<b>Connettore 90° Esterno S</b>
<b>NAME</b>	Multi Connector Outer Type S
<b>CODE</b>	<b>GFJ-018</b>



**TECHNICAL DATA**

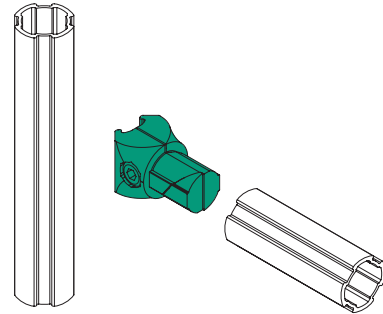
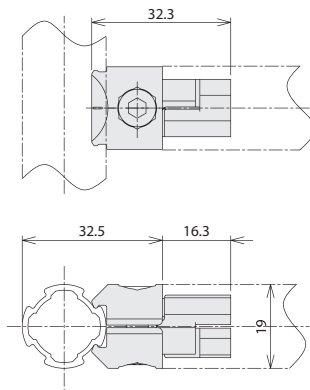
- Material: Aluminium Diecast
- Weight: 20 g

### Connettore 90° Interno S

Multi Connector Inner Type S



<b>NOME</b>	<b>Connettore 90° Interno S</b>
<b>NAME</b>	Multi Connector Inner Type S
<b>CODE</b>	<b>GFJ-B66</b>



- Nuova versione connettore GFJ-211.
- New version joint GFJ-211.

**TECHNICAL DATA**

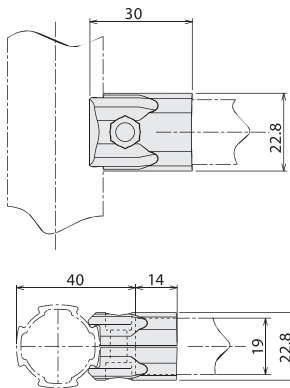
- Material: Aluminium Diecast
- Weight: 19 g

### Connettore 90° GF-S / GF

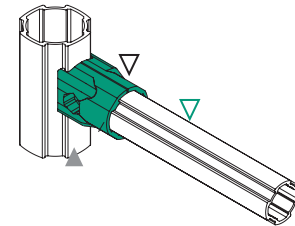
GF-S / GF connector



<b>NOME</b>	<b>Connettore 90° GF-S / GF</b>
<b>NAME</b>	GF-S / GF connector
<b>CODE</b>	<b>GFJ-020</b>



- ▽ GF-S / GF-N Connector
- ▽ Frame Size 19 mm
- ▽ Frame Size 28 mm or Frame Size 43 mm



- Permette la compatibilità con GF-N (28) / G(43).
- Allows compatibility with GF-N (28) / G (43).

**TECHNICAL DATA**

- Material: Aluminium Diecast
- Weight: 25 g

# Connettori

## Connectors

SUS

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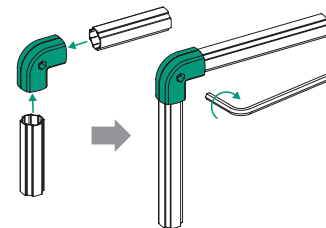
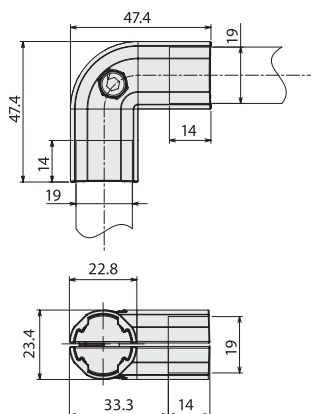
### Connettore Esterno angolo 90° S

Angle Connector Outer Type S



NEW

NOME	Connettore Esterno angolo 90° S
NAME	Angle Connector Outer Type S
CODE	GFJ-046



#### TECHNICAL DATA

- Material: Aluminium Diecast
- Weight: 40 g

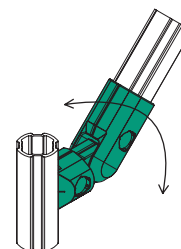
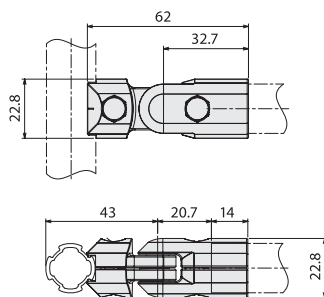
### Connettore Esterno snodato S

Free Connector Outer Type S



NEW

NOME	Connettore Esterno snodato S
NAME	Free Connector Outer Type S
CODE	GFJ-041



- Fissaggio profilo con qualsiasi inclinazione.
- Fixing profile with any inclination.

#### TECHNICAL DATA

- Material: Aluminium Diecast
- Weight: 47 g

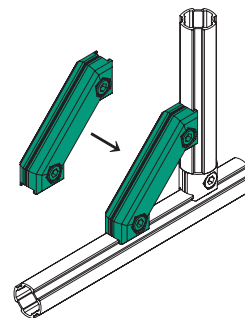
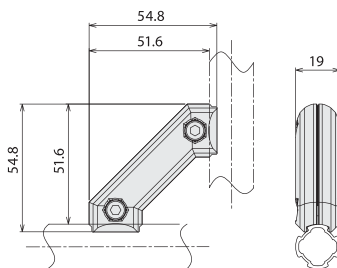
### Rinforzo 45° S

Point Connector S



NEW

NOME	Rinforzo 45° S
NAME	Point Connector S
CODE	GFJ-A72



#### TECHNICAL DATA

- Material: Aluminium Diecast
- Weight: 40 g

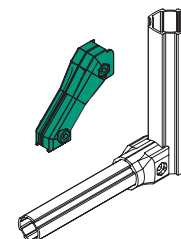
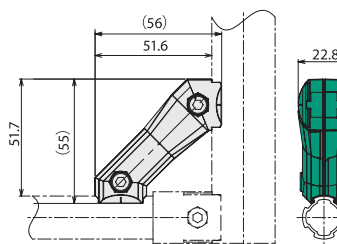
### Rinforzo 45° S / GF-N

Point Connector S / GF-N



NEW

NOME	Rinforzo 45° S / GF-N
NAME	Point Connector S / GF-N
CODE	GFJ-B89



- Permette la compatibilità con GF-N (28 mm) / G (43 mm).
- Allows compatibility with GF-N (28 mm) / G (43 mm).

#### TECHNICAL DATA

- Material: Aluminium Diecast
- Weight: 43 g

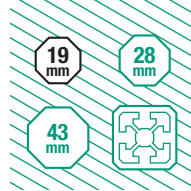
D

SEZIONE - SECTION

V 4.0

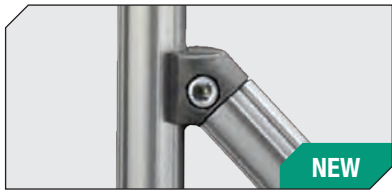
LEANPRODUCTS  
Lean manufacturing



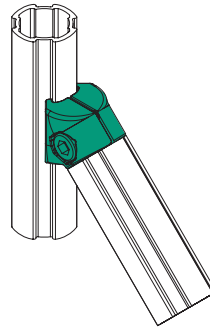
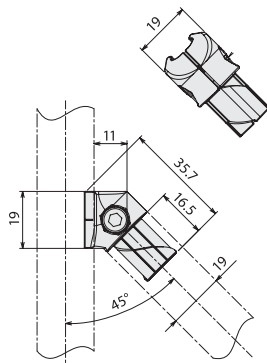


### Connettore 45° Interno S

45° Connector Inner type S



NOME	Connettore 45° Interno S
NAME	45° Connector Inner type S
CODE	GFJ-248



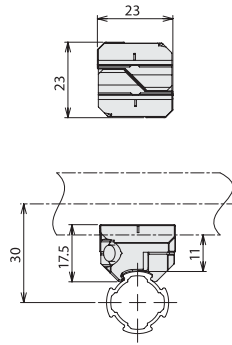
**TECHNICAL DATA**  
 ■ Material: Aluminium Diecast  
 ■ Weight: 19 g

### Connettore a croce S

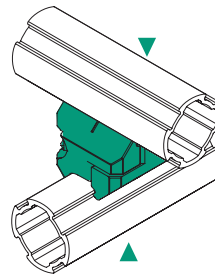
Cross connector S



NOME	Connettore a croce S
NAME	Cross connector S
CODE	GFJ-B55



► GF-S 19



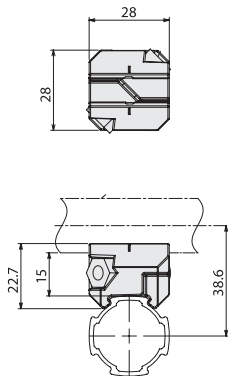
**TECHNICAL DATA**  
 ■ Material: Aluminium Diecast  
 ■ Weight: 18 g

### Connettore a croce S / GF-N

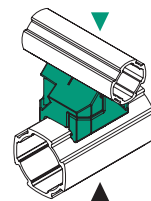
Cross connector S / GF-N



NOME	Connettore a croce S / GF-N
NAME	Cross connector S / GF-N
CODE	GFJ-B26



► GF-S 19  
 ► GF-N 28



■ Permette la compatibilità con GF-N (28 mm) / G (43 mm).  
 ■ Allows compatibility with GF-N (28 mm) / G (43 mm).

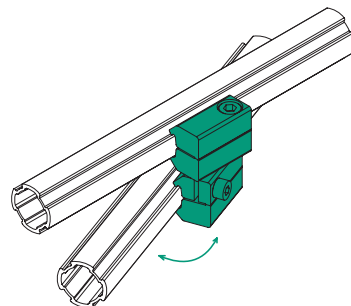
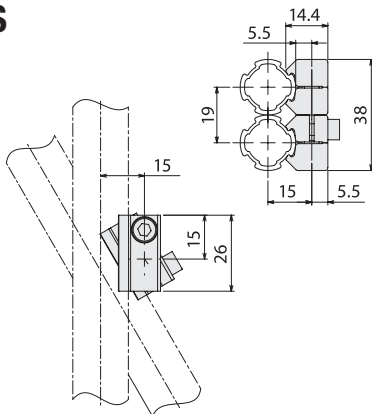
**TECHNICAL DATA**  
 ■ Material: Aluminium Diecast  
 ■ Weight: 35 g

### Connettore a croce rotante S

Cross connector rotating type S



NOME	Connettore a croce rotante S
NAME	Cross connector rotating type S
CODE	GFJ-B77



**TECHNICAL DATA**  
 ■ Material: Extruded Aluminium  
 ■ Weight: 38 g

# Connettori

## Connectors

SUS

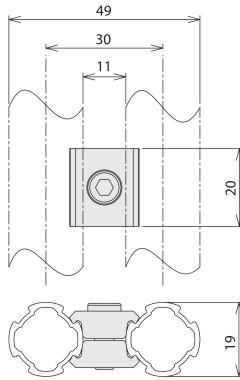
LEAN GREEN FACTORY CATALOGUE

### Connettore parallelo S

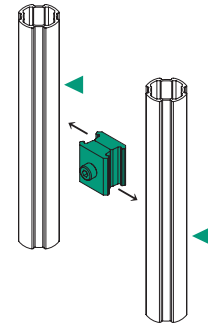
Double Connector S



NOME	Connettore parallelo S
NAME	Double Connector S
CODE	GFJ-A55



► GF-S 19



#### TECHNICAL DATA

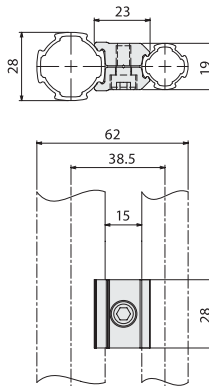
- Material: Extruded Aluminium
- Weight: 12 g

### Connettore parallelo S / GF-N

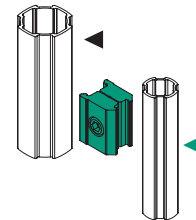
Double Connector S / GF-N



NOME	Connettore parallelo S / GF-N
NAME	Double Connector S / GF-N
CODE	GFJ-B50



► GF-S 19  
► GF-N 28



- Permette la compatibilità con GF-N (28 mm) / G (43 mm).

- Allows compatibility with GF-N (28 mm) / G (43 mm).

#### TECHNICAL DATA

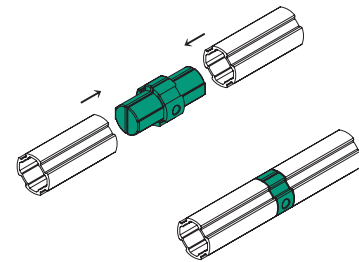
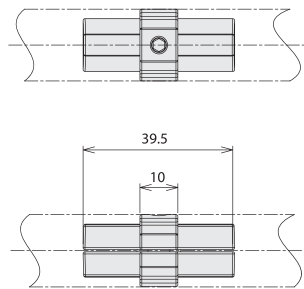
- Material: Extruded Aluminium
- Weight: 27 g

### Connettore lineare S

Straight Connector S



NOME	Connettore lineare S
NAME	Straight Connector S
CODE	GFJ-A89

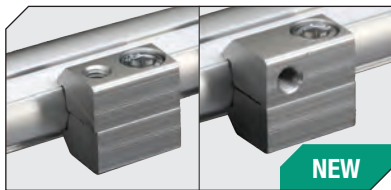


#### TECHNICAL DATA

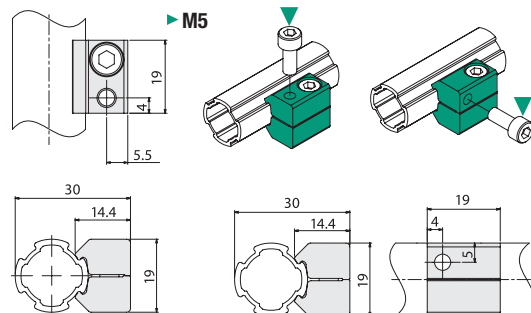
- Material: SCS13
- Weight: 44 g

### Connettore universale S

Connector piece S



NOME	Connettore universale compatto S	Connettore universale compatto laterale S
	Connector piece compact S	Connector piece compact side S
CODE	GFJ-B70	GFJ-B71



#### TECHNICAL DATA

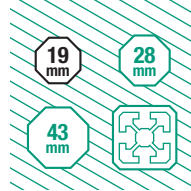
- Material: Extruded Aluminium
- Weight: 13 g

D

SEZIONE - SECTION

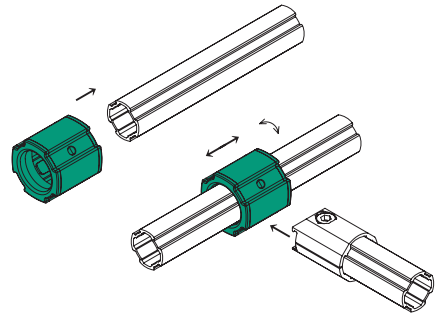
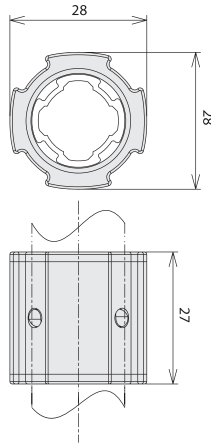
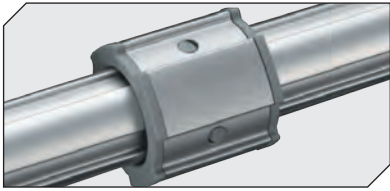
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### Connettore Rotante / Scorrevole S

Hinge Connector S



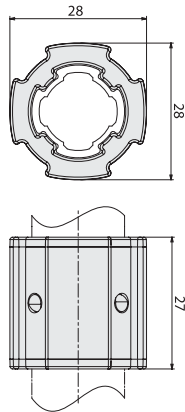
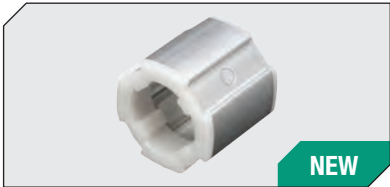
NOME	Connettore Rotante / Scorrevole S
NAME	Hinge Connector S
CODE	GFJ-A64

**TECHNICAL DATA**

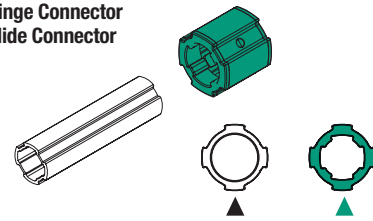
- Body Part Material: Extruded Aluminium
- Slide Bush Material: Polypropylene
- Weight: 12 g

### Connettore Scorrevole S

Slide Connector S



- ▶ Hinge Connector
- ▶ Slide Connector



- Impedisce la rotazione.
- No rotation.

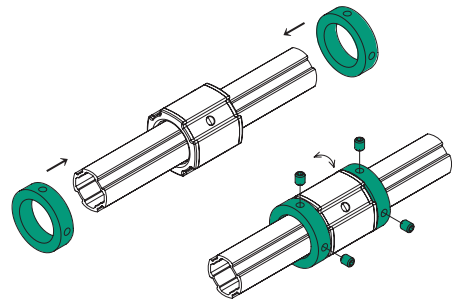
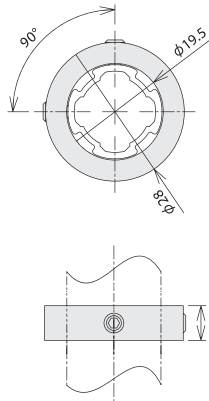
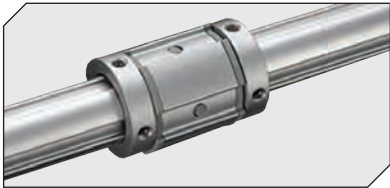
NOME	Connettore Scorrevole S
NAME	Slide connector S
CODE	GFJ-B81

**TECHNICAL DATA**

- Body Part Material: Extruded Aluminium
- Slide Bush Material: Resin
- Weight: 13 g

### Bloccaggio per connettore S

Hinge Connector Stopper S



NOME	Bloccaggio per connettore S
NAME	Hinge Connector Stopper S
CODE	GFJ-A67

**TECHNICAL DATA**

- Material: Extruded Aluminium
- Weight: 7 g



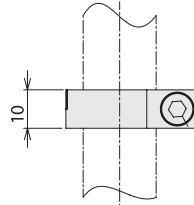
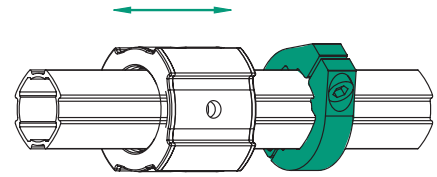
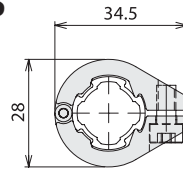
# Connettori

## Connectors

# SUS

### Bloccaggio per connettore HD S

Hinge Connector Stopper HD S



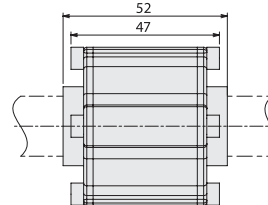
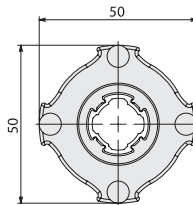
<b>NOME</b>	<b>Bloccaggio per connettore HD S</b>
NAME	Hinge Connector Stopper HD S
<b>CODE</b>	<b>GFJ-B95</b>

#### TECHNICAL DATA

- Body Part Material: Aluminium Diecast
- Pin Material: Stainless
- Bolt - Nut Material: Steel
- Weight: 13 g

### Connettore Rotante S

Rotary Connector S



<b>NOME</b>	<b>Connettore Rotante S</b>
NAME	Rotary Connector S
<b>CODE</b>	<b>GFJ-B83</b>

#### TECHNICAL DATA

- Body Part Material: Extruded Aluminium
- Cap Material: Aluminium Diecast
- Weight: 115 g

# Accessories

# Accessories

**LeanProducts srl**  
Via Bassanti, 8 | 33170 Pordenone (PN)  
T +39 0434 572757 - F +39 0434 572750  
info@LeanProducts.eu - www.LeanProducts.eu

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SEZIONE - SECTION

D

LEAN GREEN FACTORY CATALOGUE

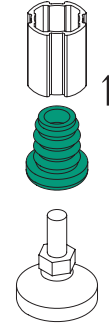
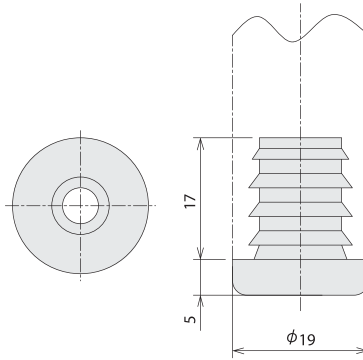
# Accessori

Accessories

SUS

## Bussola M6 S

Foot Connector M6 S



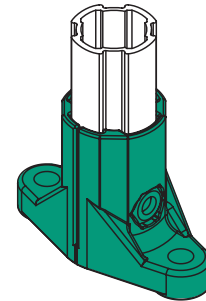
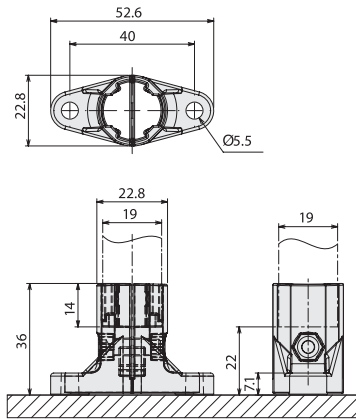
NOME	Bussola M6 S
NAME	Foot Connector M6 S
CODE	GFN-E07

**TECHNICAL DATA**

- Material: Nylon
- Weight: 4 g

## Base di appoggio S

Stand Connector S



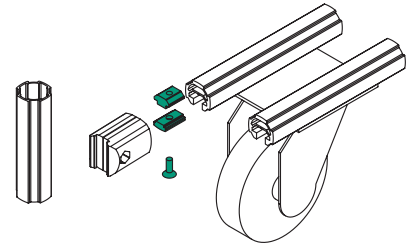
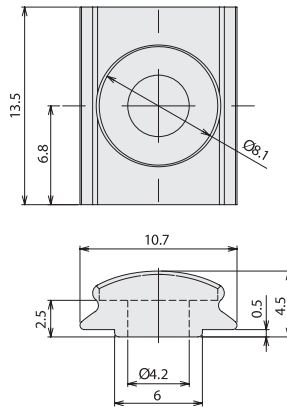
NOME	Base di appoggio S
NAME	Stand Connector S
CODE	GFJ-B45

**TECHNICAL DATA**

- Material: Aluminium
- Weight: 35 g

## Connettore C6

SS Slot Connector piece



NOME	Connettore C6
NAME	SS Slot Connector piece
CODE	GFA-619

■ Per ripristinare la cava su profilo GFF-004.

■ Suitable to restore the L Slot on GFF-004.

**TECHNICAL DATA**

- Material: Aluminium Diecast
- Weight: 5 g

LEAN GREEN FACTORY CATALOGUE

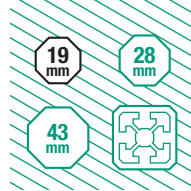
D

SEZIONE - SECTION

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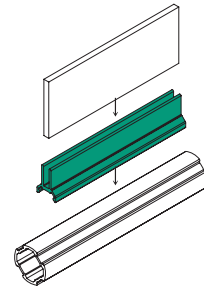
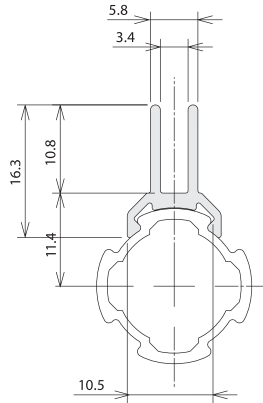


### Estruso per pannelli 3 S

Panel Hold S 3



NOME	Estruso per pannelli 3 S	L= 2000 mm
NAME	Panel Hold S 3	
CODE	GFA-815G	



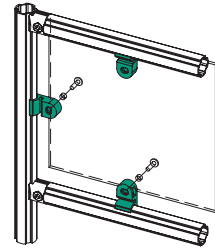
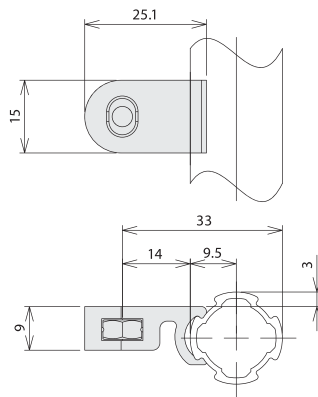
**TECHNICAL DATA**  
 ■ Material: Polypropylene  
 ■ Weight: 56 g / m

### Fissaggio pannello B S

Plate Connector B S



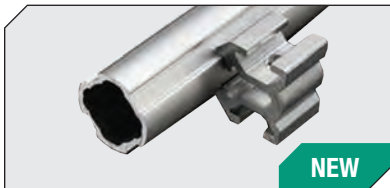
NOME	Fissaggio pannello B S
NAME	Plate Connector B S
CODE	GFJ-A62



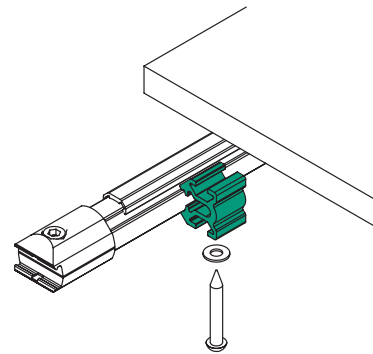
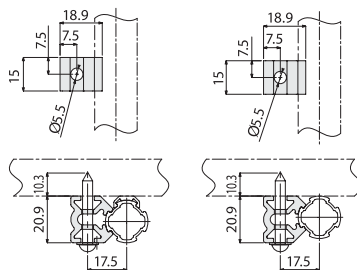
**TECHNICAL DATA**  
 ■ Material: Polypropylene and Steel  
 ■ Weight: 3 g

### Fissaggio pannello A S

Plate Connector A S



NOME	Fissaggio pannello A S
NAME	Plate Connector A S
CODE	GFJ-B97



**TECHNICAL DATA**  
 ■ Material: Extruded Aluminium  
 ■ Weight: 7 g

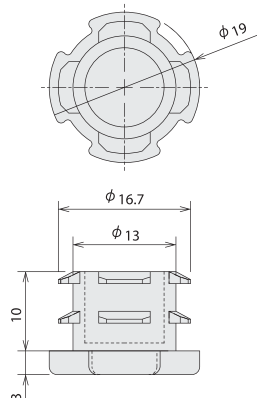
# Accessori

## Accessories

# SUS

### Tappo Interno S

Inner Cap S



NOME	Tappo Interno S
NAME	Inner Cap S
CODE	GFA-403

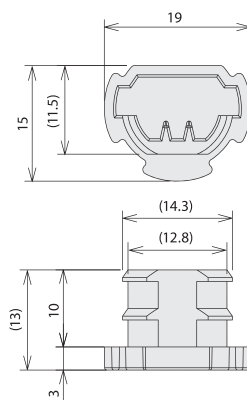
COMPATIBLE FRAME ► D-4	
Green Frame	GFF-000

#### TECHNICAL DATA

- Material: Polyethylene
- Weight: 1.3 g

### Tappo Interno C6

SS Slot Inner Cap



NOME	Tappo Interno C6
NAME	SS Slot Inner Cap
CODE	GFA-408

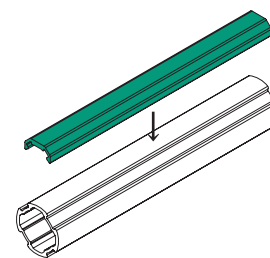
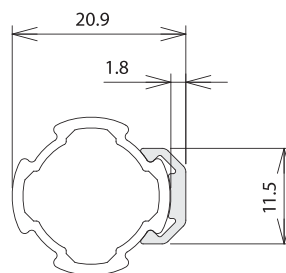
COMPATIBLE FRAME ► D-4	
Green Frame S SS Slot	GFF-401

#### TECHNICAL DATA

- Material: Low Density Polyethylene
- Weight: 0.8 g

### Copricava S

Frame Guard S



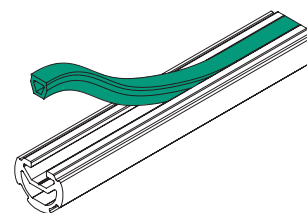
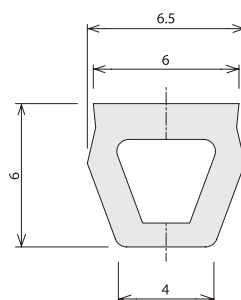
NOME	Copricava S	L= 2000 mm
NAME	Frame Guard S	
CODE	GFA-813G	

#### TECHNICAL DATA

- Material: Polypropylene
- Color: Grey
- Mass Unit: 21 g / m

### Copricava C6

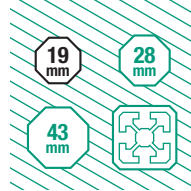
Frame Guard SS



NOME	Copricava C6	L= 5000 mm
NAME	Frame Guard SS	
CODE	SFA-170	

#### TECHNICAL DATA

- Material: Soft PVC
- Color: Grey
- Mass Unit: 21 g / m

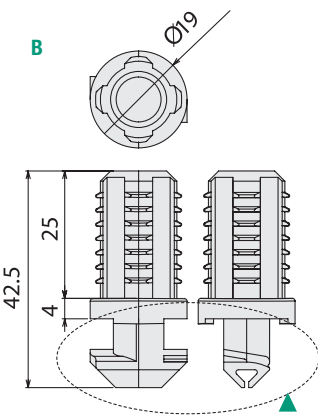
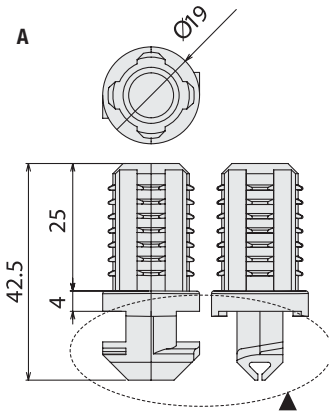


## Giunto ad incastro A / B

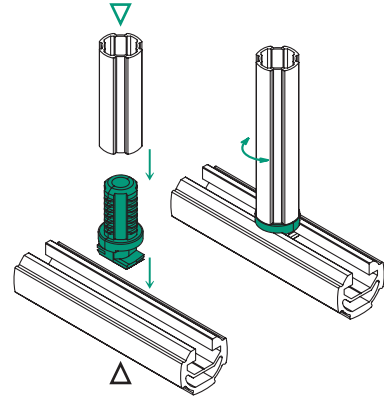
Pillar Joint A / B



NOME	Giunto ad incastro A	Giunto ad incastro B
NAME	Pillar Joint A	Pillar Joint B
CODE	GFJ-A58	GFJ-A59



- ▶ Rotation left side
- ▶ Rotation right side
- ▶ GFF-004
- ▶ GFF-400



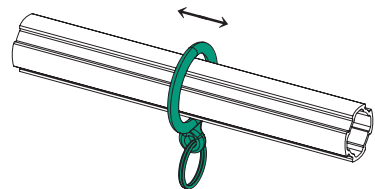
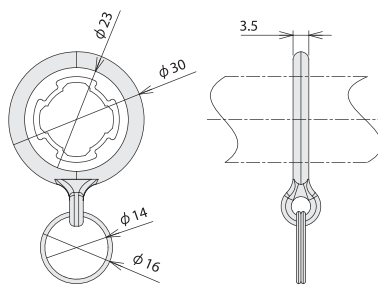
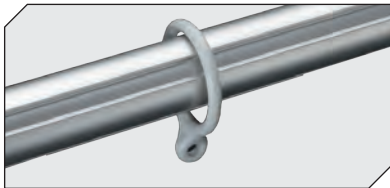
- Inserire le due versioni all'estremità del profilo e ruotare all'interno della cava.
- Insert both versions in both end of the frame, then twist inside the T Nut.

**TECHNICAL DATA**

- Material: Nylon
- Weight: 5.6 g

## Anello scorrevole S

Ring Runner S



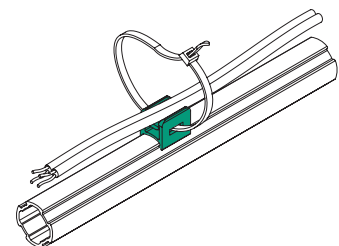
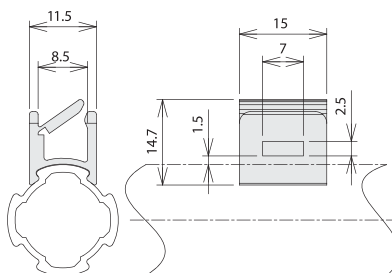
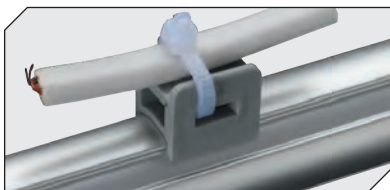
NOME	Anello scorrevole S
NAME	Ring Runner S
CODE	GFA-A32

**TECHNICAL DATA**

- Material: Polyethylene
- Weight: 0.9 g

## Clip per Cavi S

Cable Lock S



NOME	Clip per Cavi S
NAME	Cable Lock S
CODE	GFE-013

**TECHNICAL DATA**

- Material: Polypropylene
- Weight: 1.8 g



# Note

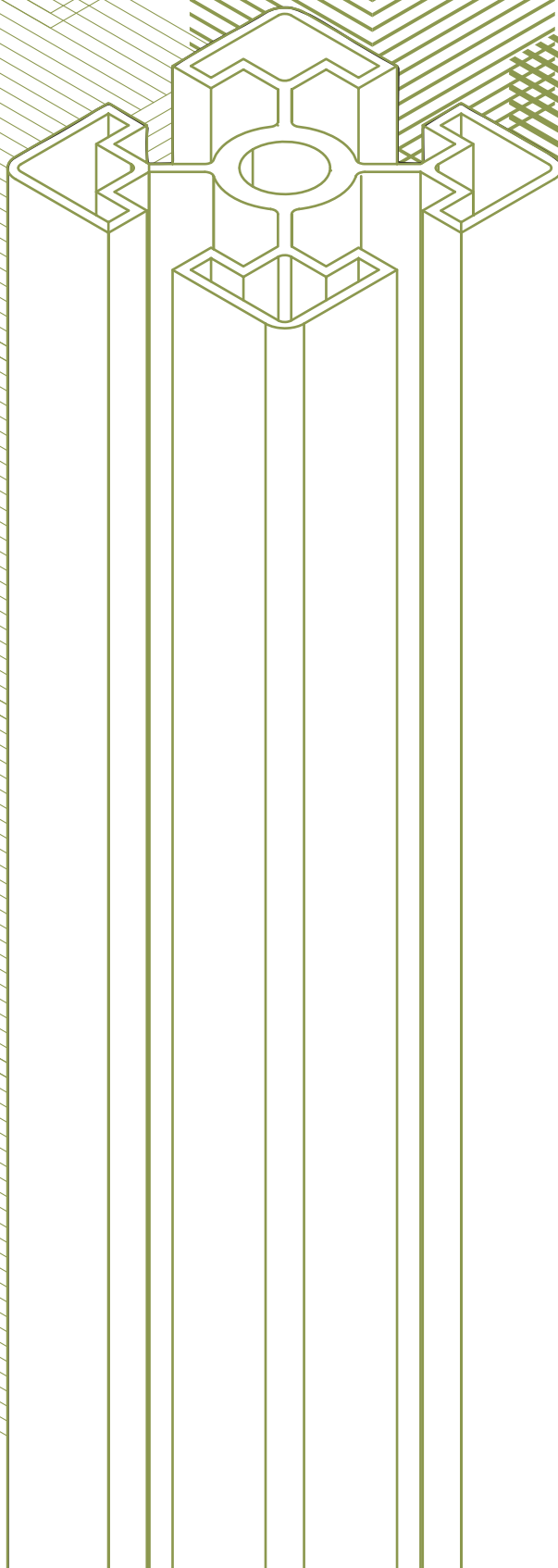
Notes

19 mm

28 mm

43 mm







# GF-Q

**Profili Quadri**  
**Square Frames**

**LeanProducts srl**  
Via Bassanti, 8 | 33170 Pordenone (PN)  
T +39 0434 572757 - F +39 0434 572750  
info@LeanProducts.eu - www.LeanProducts.eu

V 40

SEZIONE - SECTION

E

LEAN GREEN FACTORY CATALOGUE

# Index



E-3

**Profili**

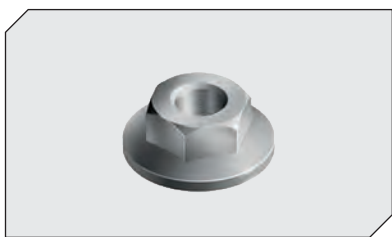
Frames



E-4

**Angolari completi e Snodi**

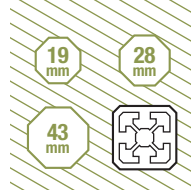
Angle brackets and joints



E-6

**Viteria**

Screws

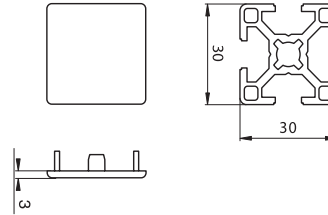
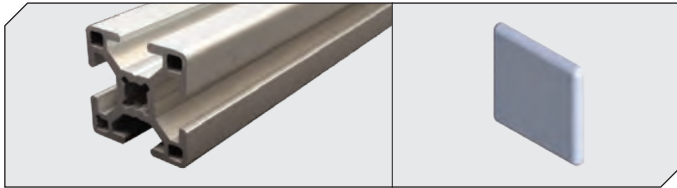


# Profili

## Frames

### Profilo 30 x 30

Profile 30 x 30

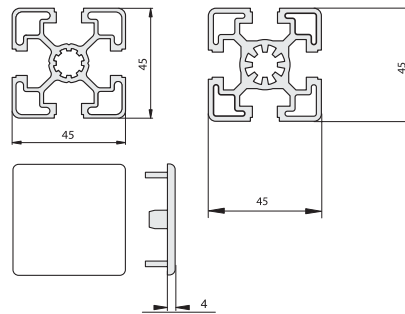


NOME	Profilo 30 x 30	L= 5600 mm	Cappuccio di copertura 30 x 30
NAME	Profile 30 x 30		Cap 30 x 30
CODE	LPQ-3030		LPQ-3030CAPG

**TECHNICAL DATA**  
 ■ Material: Aluminium  
 ■ Mass Unit: 0.9 Kg / m

### Profilo 45 x 45

Profile 45 x 45

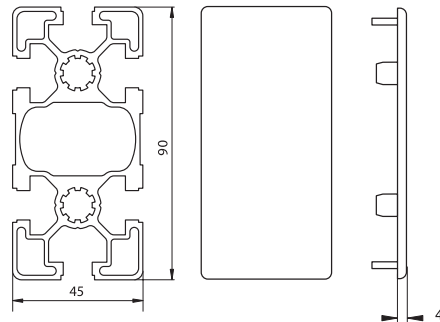
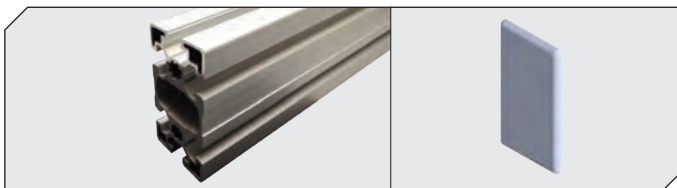


NOME	Profilo 45 x 45	Profilo pesante 45 x 45	L=6070 mm	Cappuccio di copertura 45 x 45
NAME	Profile 45 x 45	Heavy Profile 45 x 45		Cap 45 x 45
CODE	LPQ-4545	LPQ-4545P		LPQ-4545CAPG

**TECHNICAL DATA**  
 ■ Material: Aluminium  
 ■ Mass Unit: LPQ-4545 1.6 Kg / m  
 LPQ-4545P 2 Kg / m

### Profilo 45 x 90

Profile 45 x 90

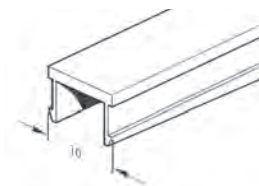
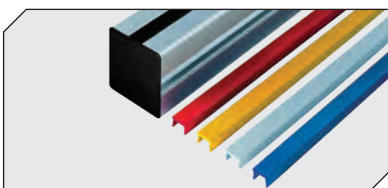


NOME	Profilo 45 x 90	L= 6070 mm	Cappuccio di copertura 45 x 90
NAME	Profile 45 x 90		Cap 45 x 90
CODE	LPQ-4590		LPQ-4590CAPG

**TECHNICAL DATA**  
 ■ Material: Aluminium  
 ■ Mass Unit: 4.2 Kg / m

### Copri Cava

Frame Guard



COLORE	Nero	Rosso	Giallo	Grigio	Blu	
COLOR	Black	Red	Yellow	Grey	Blue	
L= 2000 mm						
CODE	C8	LPQ-CC8N	LPQ-CC8R	LPQ-CC8Y	LPQ-CC8G	LPQ-CC8BL
	C10	LPQ-CC10N	LPQ-CC10R	LPQ-CC10Y	LPQ-CC10G	LPQ-CC10BL

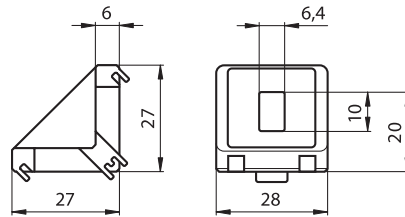


# Angolari completi e snodi

## Angle brackets and joints

### Angolare 30 x 30

Bracket 30 x 30



<b>NOME</b>	<b>Angolare 30 x 30</b>	<b>Cuffia 30 x 30</b>
NAME	Bracket 30 x 30	Cover cap 30 x 30
<b>CODE</b>	<b>LPQ-ANG3030</b>	<b>LPQ-CUF3030</b>

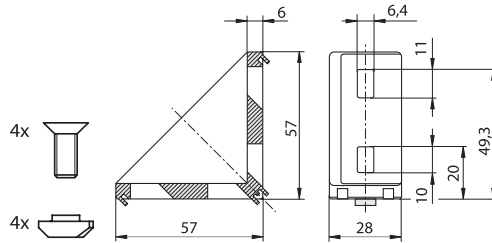
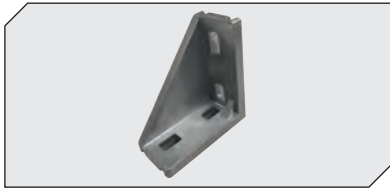


#### TECHNICAL DATA

- Material: Aluminium Diecast
- Weight: 20 g

### Angolare 30 x 60

Angular connector 30 x 60



<b>NOME</b>	<b>Angolare 30 x 60</b>	<b>Cuffia 30 x 60</b>
NAME	Bracket 30 x 60	Cover cap 30 x 60
<b>CODE</b>	<b>LPQ-ANG3060</b>	<b>LPQ-CUF3060</b>

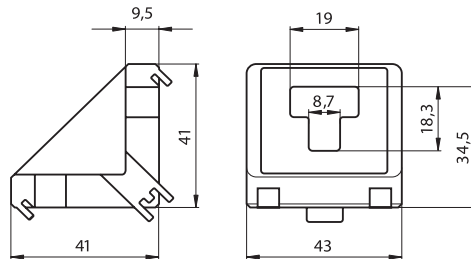
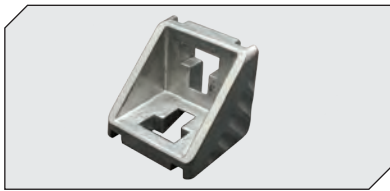


#### TECHNICAL DATA

- Material: Aluminium Diecast
- Weight: 58 g

### Angolare 45 x 45

Bracket 45 x 45



<b>NOME</b>	<b>Angolare 45 x 45</b>	<b>Cuffia 45 x 45</b>
NAME	Bracket 45 x 45	Cover cap 45 x 45
<b>CODE</b>	<b>LPQ-ANG4545</b>	<b>LPQ-CUF4545</b>

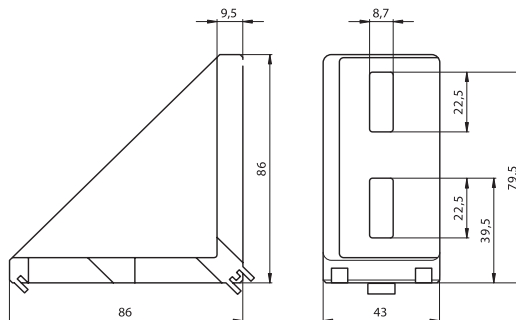
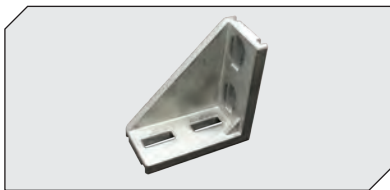


#### TECHNICAL DATA

- Material: Aluminium Diecast
- Weight: 56 g

### Angolare 45 x 90

Bracket 45 x 90



<b>NOME</b>	<b>Angolare 45 x 90</b>	<b>Cuffia 45 x 90</b>
NAME	Bracket 45 x 90	Cover cap 45 x 90
<b>CODE</b>	<b>LPQ-ANG4590</b>	<b>LPQ-CUF4590</b>



#### TECHNICAL DATA

- Material: Aluminium Diecast
- Weight: 162 g

19  
mm28  
mm43  
mm

## Angolare 45° 30 x 30

Bracket 45° 30 x 30



<b>NOME</b>	Angolare 45° 30 x 30
NAME	Bracket 45° 30 x 30
<b>CODE</b>	<b>LPQ-ANG45</b>

### COMPATIBLE SCREW AND NUT ▶ E-6 / 7

	Vite Screw	Dado Nut
<b>C8</b>	<b>LP-V014</b>	<b>LP-DM004</b>
<b>C10</b>	<b>LP-V013</b>	<b>LP-DM008</b>
<b>Centrale Head</b>	<b>LP-V015</b>	

## Snodo 30 x 30

Joint 30 x 30



<b>NOME</b>	Snodo 30 x 30
NAME	Joint 30 x 30
<b>CODE</b>	<b>LPQ-SN03030</b>

### COMPATIBLE SCREW AND NUT ▶ E-6 / 7

	Vite Screw	Dado Nut
<b>C8</b>	<b>LP-V014</b>	<b>LP-DM004</b>
<b>C10</b>	<b>LP-V011</b>	<b>LP-DM008</b>
<b>Centrale Head</b>	<b>LP-V012</b>	

## Snodo 45 x 45

Joint 45 x 45



<b>NOME</b>	Snodo 45 x 45
NAME	Joint 45 x 45
<b>CODE</b>	<b>LPQ-SN04545</b>

### COMPATIBLE SCREW AND NUT ▶ E-6 / 7

	Vite Screw	Dado Nut
<b>C10</b>	<b>LP-V013</b>	<b>LP-DM008</b>
<b>Centrale Head</b>	<b>LP-V015</b>	

## Snodo 45 x 45 per bracci

Joint arm 45 x 45



<b>NOME</b>	Snodo 45 x 45 per bracci
NAME	Joint arm 45 x 45
<b>CODE</b>	<b>LPQ-4545B</b>

### COMPATIBLE SCREW AND NUT ▶ E-6 / 7

	Vite Screw	Dado Nut
<b>C10</b>	<b>LP-V011</b>	<b>LP-DM008</b>
<b>Centrale Head</b>	<b>LP-V009</b>	

## Snodo 45 x 90 per bracci

Joint arm 45 x 90



<b>NOME</b>	Snodo 45 x 90 per bracci
NAME	Joint arm 45 x 90
<b>CODE</b>	<b>LPQ-4590B</b>

### COMPATIBLE SCREW AND NUT ▶ E-6 / 7

	Vite Screw	Dado Nut
<b>C10</b>	<b>LP-V011</b>	<b>LP-DM008</b>
<b>Centrale Head</b>	<b>LP-V009</b>	

# Viteria

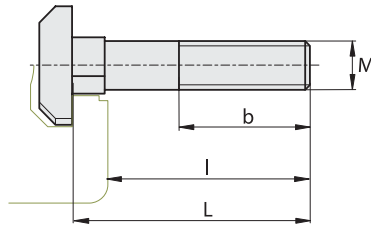
## Screws

### Vite testa a martello

Hammer head screw



NOME	Vite testa a martello					100 pezzi
NAME	Hammer head screw					100 pieces
CODE	M	C	b	l	L	
LP-VM001	M6	C8	10	14	16	
LP-VM002	M6	C8	14	18	20	
LP-VM003	M6	C8	18	23	25	
LP-VM004	M8	C10	14	14	20	
LP-VM005	M8	C10	19	19	25	
LP-VM006	M8	C10	24	24	30	

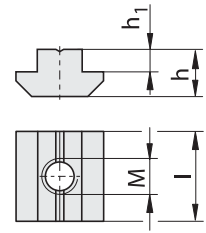


### Inserto testa a martello

Hammer head insert

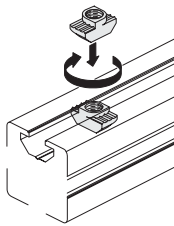
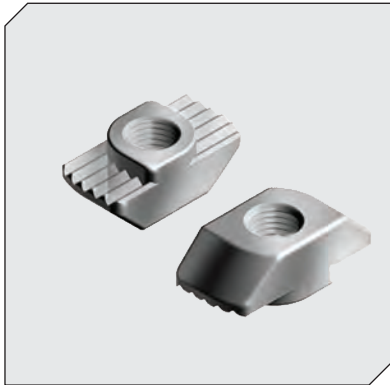


NOME	Inserto testa a martello		100 pezzi
NAME	Hammer head insert		100 pieces
CODE	M	C	
LP-IM001	M6	C8	
LP-IM002	M6	C10	
LP-IM003	M8	C10	



### Dado con testa a martello

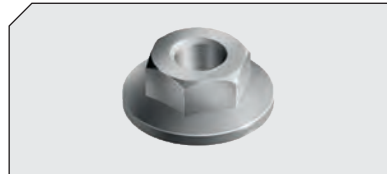
Hammer head nut



NOME	Dado con testa a martello		100 pezzi
NAME	Hammer head nut		100 pieces
CODE	M	C	
LP-DM001	M4	C6	
LP-DM002	M4	C8	
LP-DM003	M5	C8	
LP-DM004	M6	C8	
LP-DM005	M4	C10	
LP-DM006	M5	C10	
LP-DM007	M6	C10	
LP-DM008	M8	C10	

### Dado a colletto

Collar Nut



NOME	Dado a colletto		100 pezzi
NAME	Collar nut		100 pieces
CODE	M		
LP-D001	M6		
LP-D002	M8		

### Dado autobloccante

Self locking bolt



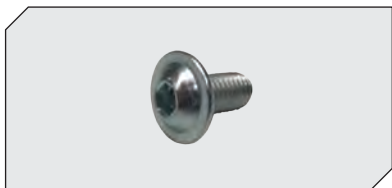
NOME	Dado autobloccante		100 pezzi
NAME	Self locking bolt		100 pieces
CODE	M		
LP-D003	M6		
LP-D004	M8		



19  
mm28  
mm43  
mm

## Vite flangiata

Screw with flange



NOME	Vite flangiata		100 pezzi
NAME	Screw with flange		100 pieces
CODE	M	L mm	
LP-V001	M6	14	
LP-V002	M6	16	
LP-V003	M8	14	
LP-V004	M8	16	

## Vite

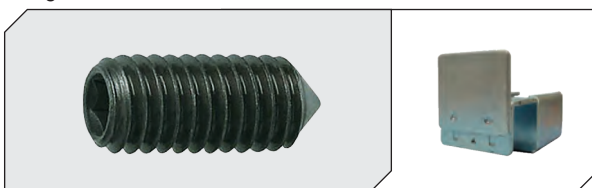
Screw



NOME	Vite		100 pezzi
NAME	Screw		100 pieces
CODE	M	L mm	
LP-V005	M6	14	
LP-V006	M6	16	
LP-V007	M8	14	
LP-V008	M8	16	
LP-V016	M8	60	

## Grano M3

M3 grub screw



NOME	Grano M3
NAME	M3 grub screw
CODE	LP-G001

CODE	NOME	NAME
LP-V009	Vite M12 L= 30 mm	Screw M12 L= 30 mm
LP-V010	Vite Trilobata M5 x 8 mm	Screw M5 x 8 mm
LP-V011	Vite Tceir M8 x 14 mm	Screw Tceir M8 x 14 mm
LP-V012	Vite Tcei M8 x 30 mm	Screw Tcei M8 x 30 mm
LP-V013	Vite M8 x 16 mm	Screw M8 x 16 mm
LP-V014	Vite M6 x 12 mm	Screw M6 x 12 mm
LP-V015	Vite Autofilettante S12 x 30-T50	Screw Self-Locking S12 x 30-T50

# Note

Notes

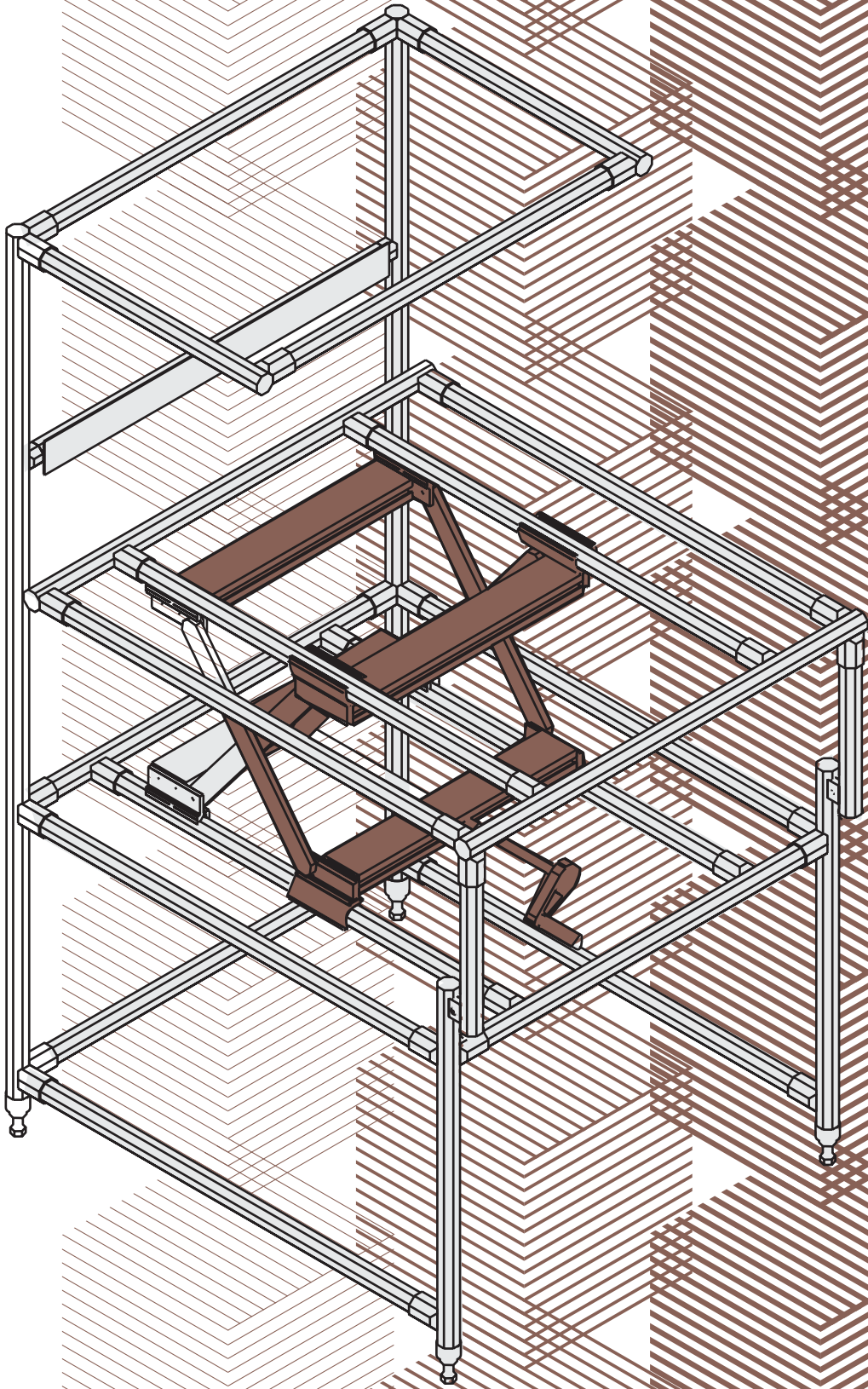
19 mm

28 mm

43 mm







# Accessori

## per postazioni di lavoro

### Accessories for workstations

LeanProducts srl

Via Bassanti, 8 | 33170 Pordenone (PN)  
T +39 0434 572757 - F +39 0434 572750  
info@LeanProducts.eu - www.LeanProducts.eu

V40

SEZIONE - SECTION

F

LEAN GREEN FACTORY CATALOGUE

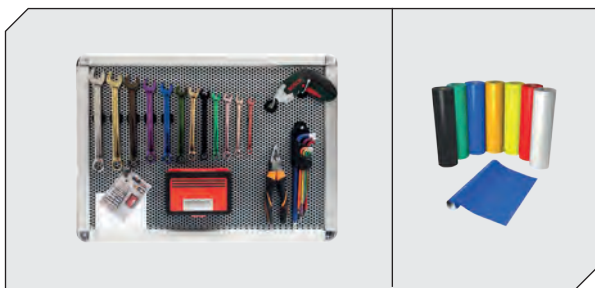
# Index



F-3

## Accessori per postazioni di lavoro

Accessories for workstations



F-9

## Shadowboards



F-22

## Sedie e tappeti

Workchairs and mats

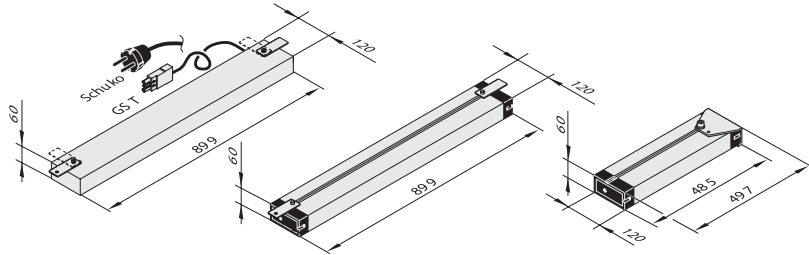
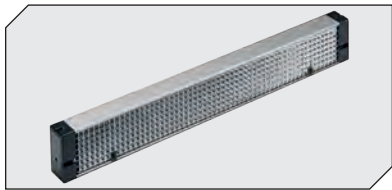


# Accessori per postazioni di lavoro

Accessories for workstations

## Lampada neon

Neon lamp



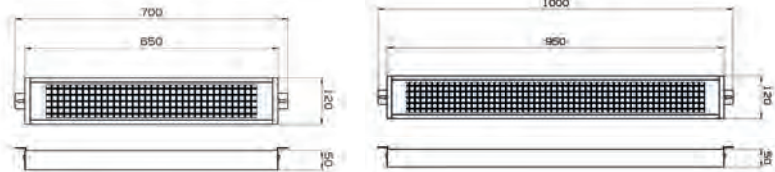
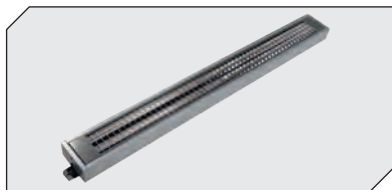
<b>NOME</b>	Lampada neon			
NAME	Neon lamp			
<b>CODE</b>	<b>Type</b>		<b>Dimensioni</b> Dimensions mm	<b>Note</b>
<b>LP-LN72E</b>	Neon	2x TC-L 36 W	899 x 120 x 60	GST A
<b>LP-LN72ES</b>	Neon	2x TC-L 36 W	899 x 120 x 60	Schuko
<b>LP-LN72</b>	Neon	2x TC-L 36 W	899 x 120 x 60	GST A
<b>LP-LN36</b>	Neon	1x TC-L 36 W	497 x 120 x 60	GST A

L= 4000 mm

- Illuminazione del posto di lavoro uniforme, di alta qualità e non abbagliante.
  - Classe A DIN 5035-T2.
  - Griglia a specchio antiombra.
  - Incluso kit di fissaggio.
- Uniform, high quality and anti-glare light system.
  - Class A DIN 5035-T2.
  - Fixing kit included.
  - Mirror grid shadow free.

## Lampada LED

LED lamp



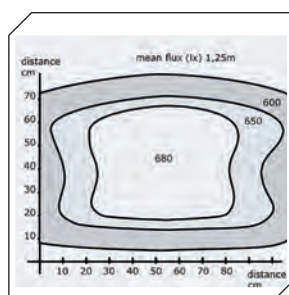
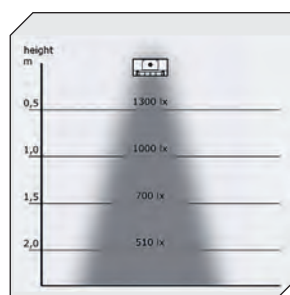
<b>NOME</b>	Lampada LED		
NAME	LED lamp		
<b>CODE</b>	<b>Type</b>		<b>Dimensioni</b> Dimensions mm
<b>LP-LL30</b>	LED	2x15 W	950 x 120 x 50
<b>LP-LL18</b>	LED	2x9 W	650 x 120 x 50

- Illuminazione del posto di lavoro uniforme, di alta qualità e non abbagliante con tecnologia a LED.
  - Griglia a specchio antiombra.
  - Incluso kit di fissaggio.
  - Cavo non incluso: per utilizzo su nostre prese usare codice LP-P014.
- Uniform, high quality and anti-glare light system with LED technology.
  - Mirror grid shadow free.
  - Fixing kit included.
  - Cable not included, for use on our sockets add LP-P014.

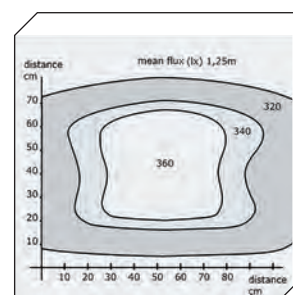
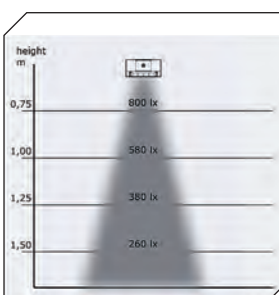
## Diagramma lampada LED

LED lamp diagram

LP-LL30



LP-LL18



# Accessori per postazioni di lavoro

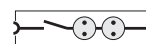
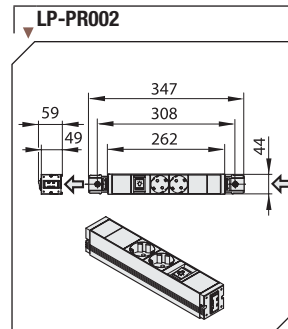
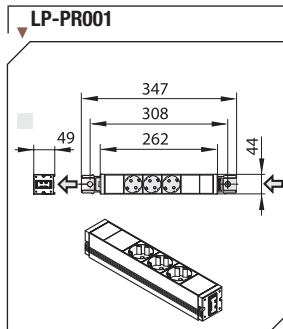
## Accessories for workstations

### Prese

Sockets

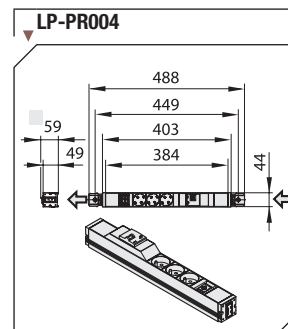
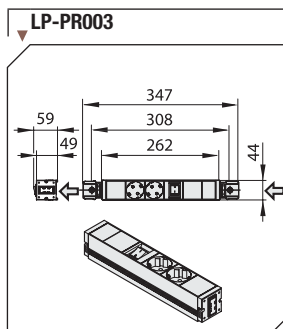


CODE	Descrizione Description
LP-PR001	<b>Presa di corrente a 3 posizioni</b> Socket with 3 positions
LP-PR002	<b>Presa di corrente a 2 posizioni con interruttore luce</b> Socket with 2 positions and light switch
LP-PR003	<b>Presa di corrente a 2 posizioni con interruttore</b> Socket with 2 positions and switch
LP-PR004	<b>Presa di corrente a 3 posizioni con interruttore luce e differenziale</b> Socket with 3 positions, light switch and differential



- Presa di corrente multipla a 2 o 3 prese con contatto a terra.
- Presa di uscita GST con interruttore luce e differenziale (a seconda dei modelli).
- Predisposto per installazione fissa.
- Adatto per l'impiego in posti di lavoro ESD.

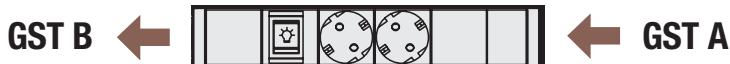
- Multiple wall socket with 2 or 3 socket and earthing system.
- GST socket with light switch and differential (depending on the models).
- Suitable for fixed installation.
- Suitable for ESD workstation.



### Cavi

Cables

V 4.0



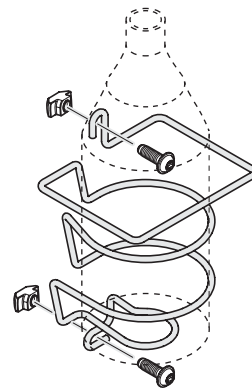
CODE	Descrizione Description	Lunghezza Length mm
LP-PR010	<b>Cavo di rete Shucko / GST A</b> Net cable Shucko / GST A	5000
LP-PR011	<b>Cavo di collegamento GST A / GST B</b> Connecting cable GST A / GST B	1000
LP-PR012		1500
LP-PR014		2000

### Porta bottiglia ESD

ESD Bottle holder



<b>NOME</b>	<b>Porta bottiglia ESD</b>
<b>NAME</b>	ESD Bottle holder
<b>CODE</b>	<b>LP-AC001</b>

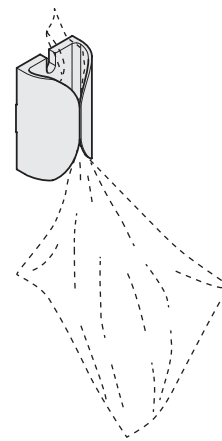


### Porta straccio

Cloth holder

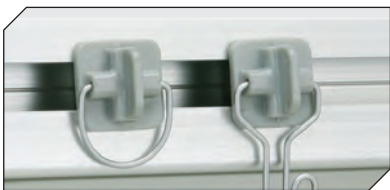


<b>NOME</b>	<b>Porta straccio</b>
<b>NAME</b>	Cloth holder
<b>CODE</b>	<b>LP-AC002</b>

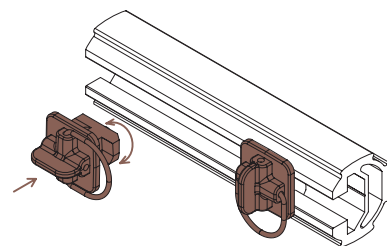
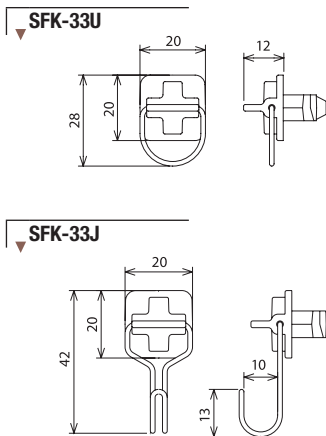


### Gancio C10 U / J

Hook L Slot U / J



<b>NOME</b>	<b>Gancio C10 U</b>	<b>Gancio C10 J</b>
<b>NAME</b>	Hook L Slot U	Hook L Slot J
<b>CODE</b>	<b>SFK-K33U</b>	<b>SFK-K33J</b>

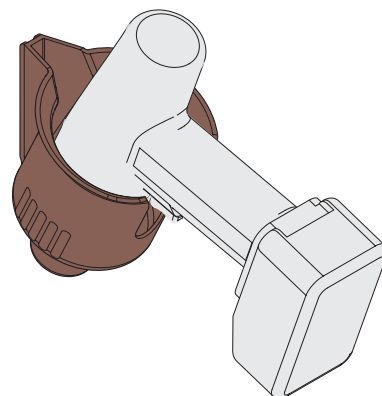
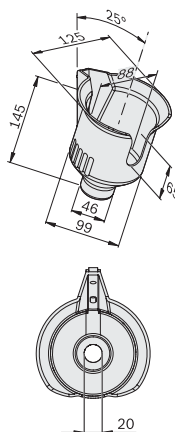


### Supporto per avvitatore ESD

ESD Screwdriver support



<b>NOME</b>	<b>Supporto per avvitatore ESD</b>
<b>NAME</b>	ESD Screwdriver support
<b>CODE</b>	<b>LP-AC003</b>



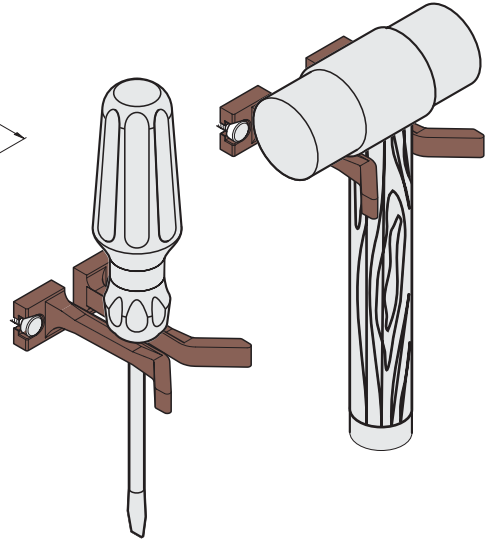
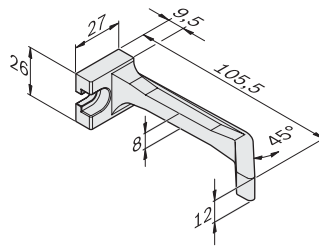


# Accessori per postazioni di lavoro

Accessories for workstations

## Porta utensile A

Tool holder A



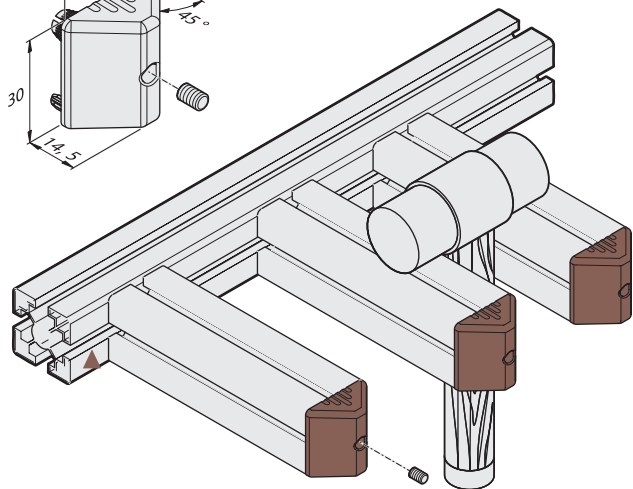
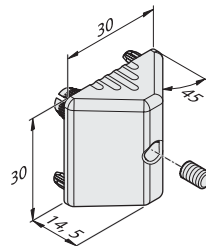
<b>NOME</b>	Porta utensile A
<b>NAME</b>	Tool holder A
<b>CODE</b>	<b>LP-AC004</b>

## Porta utensile B

Tool holder B



▶ LPQ-3030



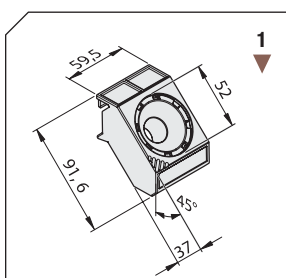
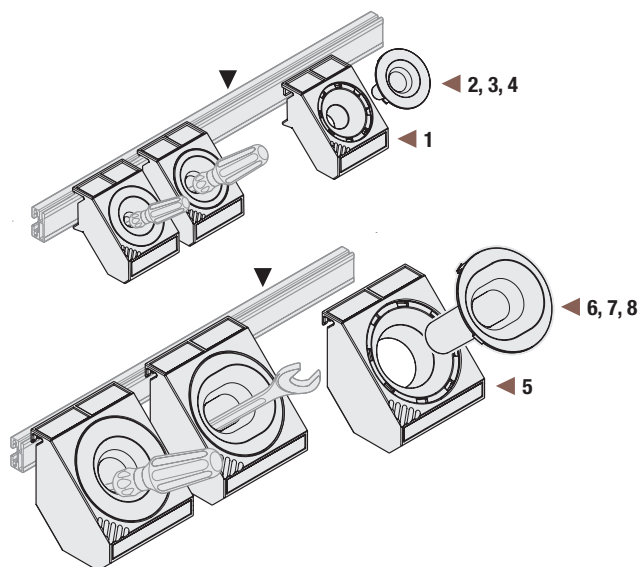
<b>NOME</b>	Porta utensile B
<b>NAME</b>	Tool holder B
<b>CODE</b>	<b>LP-AC005</b>

## Porta utensile modulare

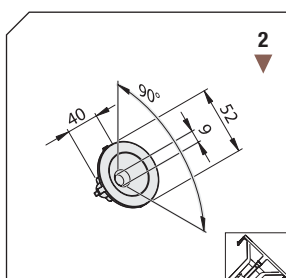
Tool holder B



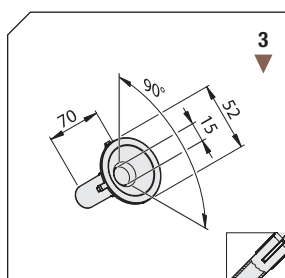
► LP-PRSC1



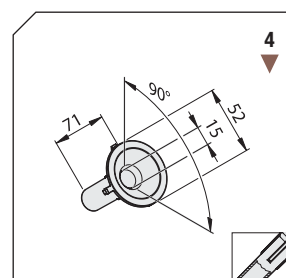
<b>NOME</b>	<b>Base Porta utensile D52 ESD</b>
<b>NAME</b>	Base Tool Holder D52 ESD
<b>CODE</b>	<b>LP-PU001</b>



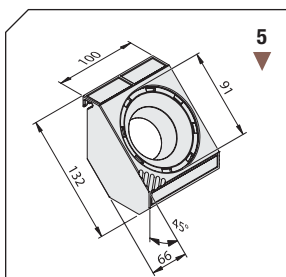
<b>NOME</b>	<b>Riduzione D52-9 base aperta ESD</b>
<b>NAME</b>	Reduction D52-9 open base ESD
<b>CODE</b>	<b>LP-PU002</b>



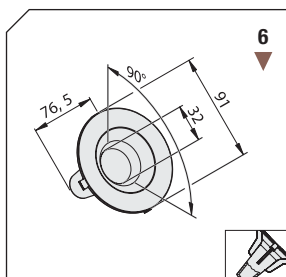
<b>NOME</b>	<b>Riduzione D52-15 base aperta ESD</b>
<b>NAME</b>	Reduction D52-15 open base ESD
<b>CODE</b>	<b>LP-PU003</b>



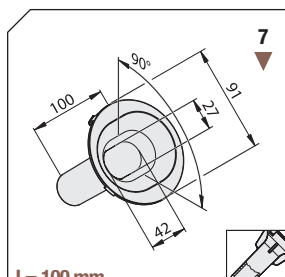
<b>NOME</b>	<b>Riduzione D52-15 base chiusa ESD</b>
<b>NAME</b>	Reduction D52-15 closed base ESD
<b>CODE</b>	<b>LP-PU004</b>



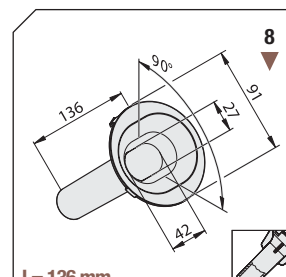
<b>NOME</b>	<b>Base Porta utensile D91 ESD</b>
<b>NAME</b>	Base Tool Holder D91 ESD
<b>CODE</b>	<b>LP-PU005</b>



<b>NOME</b>	<b>Riduzione D91-32 base chiusa ESD</b>
<b>NAME</b>	Reduction D91-32 closed base ESD
<b>CODE</b>	<b>LP-PU006</b>



<b>NOME</b>	<b>Riduzione ovale D91-53 base chiusa ESD</b>
<b>NAME</b>	Oval reduction D91-53 closed base ESD
<b>CODE</b>	<b>LP-PU007</b>



<b>NOME</b>	<b>Riduzione ovale D91-53 base chiusa ESD</b>
<b>NAME</b>	Oval reduction D91-53 closed base ESD
<b>CODE</b>	<b>LP-PU008</b>

- Porta utensile con riduzioni rotonde e ovali con e senza fondo.
- Con aggancio su profilo o fissaggio per contenitore.
- Porta utensile con spazio per applicazione etichetta adesiva.

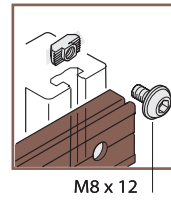
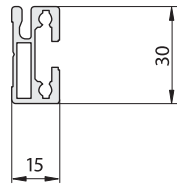
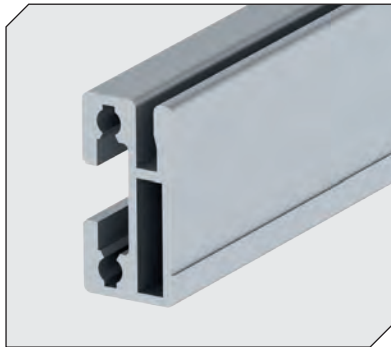
- Tool box with round and oval adaptor with or without bottom.
- Hook for profile or fixing for box tool.
- Tool box with adhesive label space.

# Accessori per postazioni di lavoro

Accessories for workstations

## Profilato di sospensione

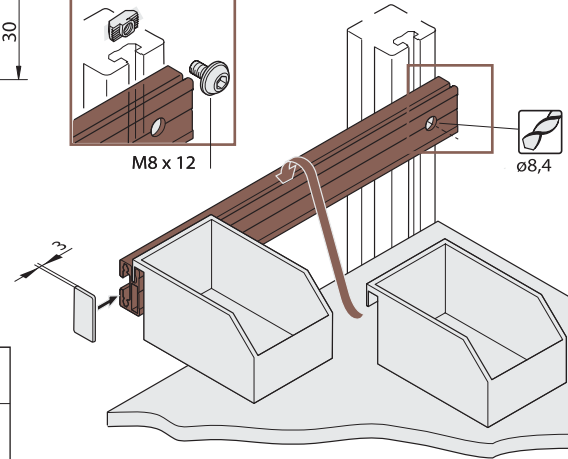
Suspension profile



M8 x 12



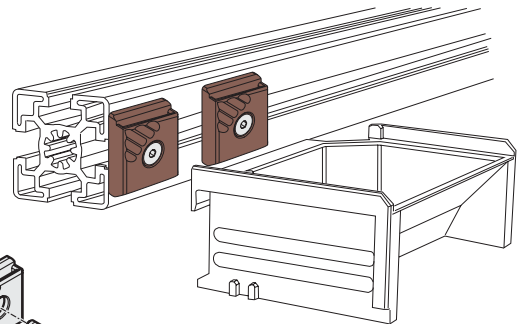
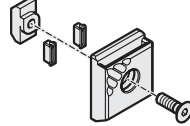
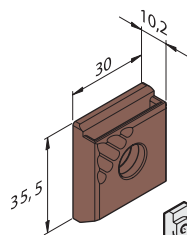
ø8,4



<b>NOME</b>	<b>Profilato di sospensione 15 x 30</b>	<b>L= 3000 mm</b>	<b>Cuffia Profilo di sospensione</b>
<b>NAME</b>	Suspension profile 15 x 30		Suspension profile cap
<b>CODE</b>	<b>LP-PRSC1</b>		<b>LP-AC012</b>

## Fissaggio per contenitore

Fixing for box tool

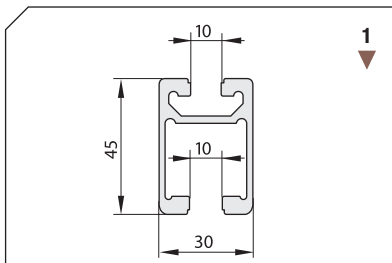
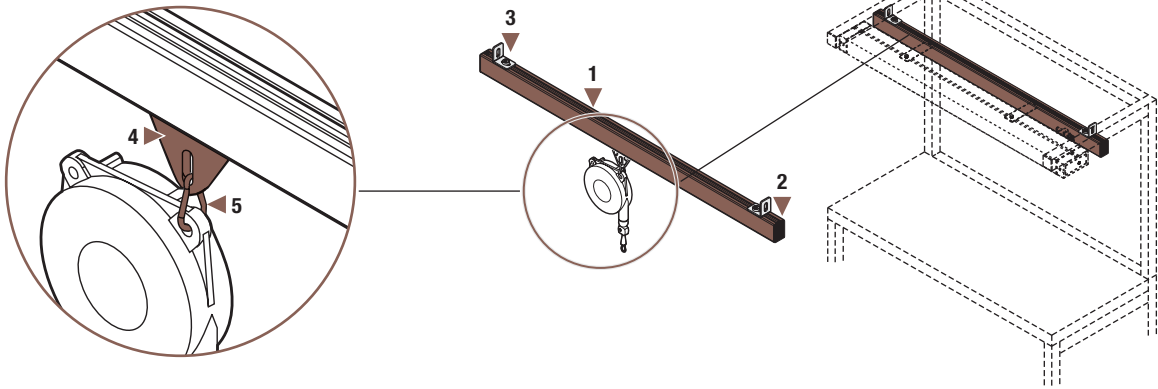


<b>NOME</b>	<b>Fissaggio per contenitore</b>
<b>NAME</b>	Fixing for box tool
<b>CODE</b>	<b>LP-AC006</b>

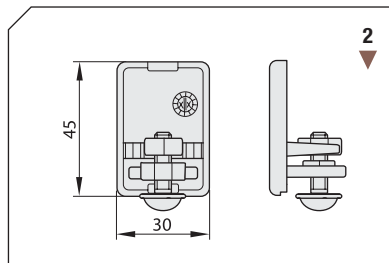


# Carrello di sospensione

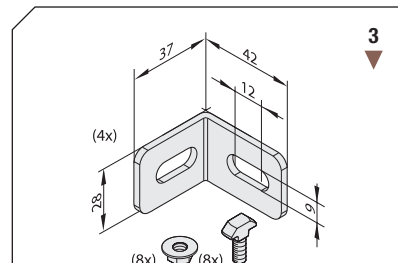
Suspension trolley



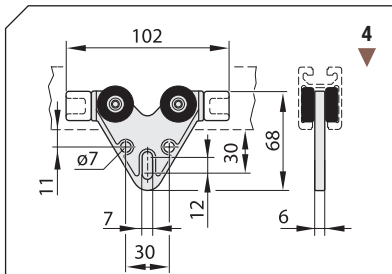
<b>NOME</b>	<b>Profilo per carrello di sospensione 30 x 45</b>	<b>L= 5600 mm</b>
<b>NAME</b>	Profile for suspension trolley 30 x 45	
<b>CODE</b>	<b>LP-PRSC2</b>	



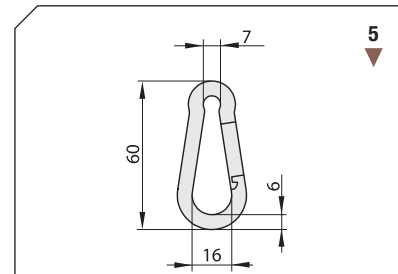
<b>NOME</b>	<b>Arresto carrello</b>
<b>NAME</b>	Stopping trolley
<b>CODE</b>	<b>LP-AC007</b>



<b>NOME</b>	<b>Set angolare M8</b>
<b>NAME</b>	M8 corner fastening set
<b>CODE</b>	<b>LP-AC008</b>



<b>NOME</b>	<b>Carrello per profilo 30 x 45</b>
<b>NAME</b>	Trolley for 30 x 45 profile
<b>CODE</b>	<b>LP-AC009</b>



<b>NOME</b>	<b>Moschetti</b>
<b>NAME</b>	Snap-hook
<b>CODE</b>	<b>LP-AC011</b>

# Accessori per postazioni di lavoro

Accessories for workstations

## Supporti con sfere: basi

Supports with balls: bases



NOME	Adattatore base rotonda con sfera C
NAME	Adapter round base with C ball
CODE	LP-SRC001



NOME	Adattatore base diamante con sfera C
NAME	Adapter diamond base with C ball
CODE	LP-SRC002



NOME	Adattatore base per tubo Ø 19-31mm con sfera C
NAME	Adapter base for tube Ø 19-31mm with C ball
CODE	LP-SRC003



NOME	Adattatore base per C10 con sfera C
NAME	Adapter base for L Slot with C ball
CODE	LP-SRC009

## Supporti con sfere: aste

Supports with balls: double socket arm



NOME	Asta L= 90 mm con sfera C
NAME	Double socket arm L= 90 mm with C ball
CODE	LP-SRC010



NOME	Asta L= 150 mm con sfera C
NAME	Double socket arm L= 150 mm with C ball
CODE	LP-SRC011



NOME	Asta L= 220 mm con sfera C
NAME	Double socket arm L= 220 mm with C ball
CODE	LP-SRC012

## Caratteristiche generali

- ▶ Portata: 5 kg.
- ▶ Regolazione 3D grazie al supporto sferico.
- ▶ Ottima stabilità e resistenza alle vibrazioni.
- ▶ Materiale Corpo: Alluminio verniciato.
- ▶ Materiale Sfera: Plastica Nitrile.

## General features

- ▶ Capacity: 5 kg.
- ▶ 3D adjustment thanks to the ball support.
- ▶ Excellent stability and vibration resistance.
- ▶ Body material: painted aluminium.
- ▶ Ball material: Nitrile rubber.

## Supporti con sfere: accessori

Supports with balls: accessories



NOME	Supporto VESA 75/100 con sfera C
NAME	VESA 75/100 support with C ball
CODE	LP-SRC020



NOME	Asta flessibile fissaggio base diamante L= 190 mm
NAME	Flex arm mounting base diamond L=190 mm
CODE	LP-SRS001



NOME	Accessorio sgancio rapido fissaggio base diamante
NAME	Quick release accessory mounting base diamond
CODE	LP-SRS002



NOME	Base magnetica fiss. base rotonda, adesivo magnetico
NAME	Magnetic base mounting round base and magnetic adhesive
CODE	LP-SRS003



NOME	Accessorio fissaggio VESA 75/100 con sgancio rapido
NAME	Accessory mounting VESA 75/100 with quick release
CODE	LP-SRS010



NOME	Accessorio magnetico per base rotonda
NAME	Magnetic accessory for round base
CODE	LP-SRS004



NOME	Supporto pistola codice a barre
NAME	Scanner gun holder
CODE	LP-SRS012



NOME	Supporto tablet 10" base rotonda
NAME	Tablet 10" support round base
CODE	LP-SRS013

## Esempio d'applicazione

Application example

- STEP 1: Scegliere la base.
- STEP 2: Seleziona la lunghezza dell'asta.
- STEP 3: Scegliere la seconda base e/o l'accessorio desiderato.

- STEP 1: Choose the base.
- STEP 2: Choose the arm length.
- STEP 3: Choose the second base or the desired accessory.



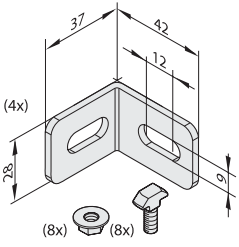


# Accessori per postazioni di lavoro

## Accessories for workstations

### Vassoio 22,5 x 30 / 22,5 x 45

Tray 22,5 x 30 / 22,5 x 45



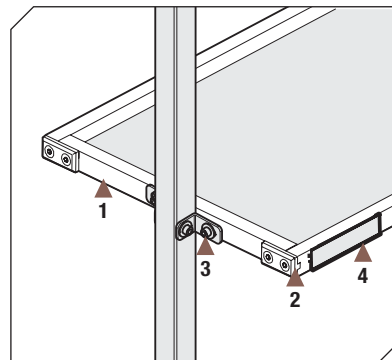
**3**

NOME	Set angolare M8
NAME	M8 corner fastening set
CODE	LP-AC008

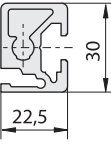


**22,5 x 30**

**22,5 x 45**



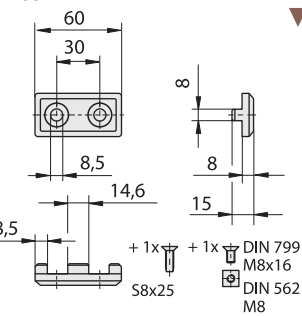
**22,5 x 30**



**1**

NOME	Profilo 22,5 x 30	L= 5600 mm
NAME	Profile 22,5 x 30	
CODE	LP-AC015	

**22,5 x 30**

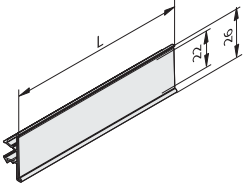


**2**

NOME	Elemento angolo
NAME	Angle element
CODE	LP-AC013

+ 1x  $\varnothing$  S8x25 + 1x DIN 7991 M8x16 + 1x DIN 562 M8

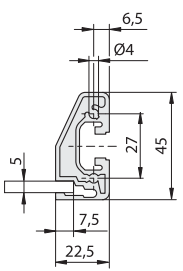
**22,5 x 30**



**4**

NOME	Clip per dicitura C8 x 28	L= 2000 mm
NAME	Name plate clip C8 x 28	
CODE	LP-AC014	

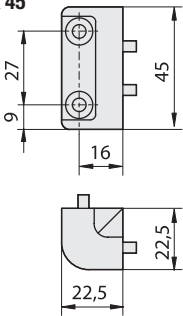
**22,5 x 45**



**1**

NOME	Profilo 22,5 x 45	L= 5600 mm
NAME	Profile 22,5 x 45	
CODE	LP-AC016	

**22,5 x 45**

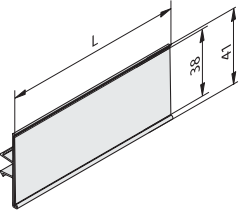


**2**

NOME	Elemento angolo 22,5 x 45
NAME	Angle element 22,5 x 45
CODE	LP-AC017

(4x)  $\varnothing$  4,5x30

**22,5 x 45**



**4**

NOME	Clip per dicitura C10	L= 2000 mm
NAME	Name plate clip L Slot	
CODE	LP-AC018	

## Kit Regolazione altezza pianale

Board Lifter Kit



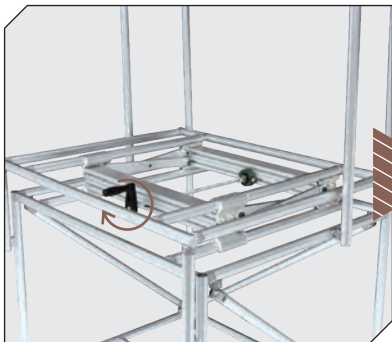
- Ruotare la maniglia per regolare l'altezza del piano.
  - Quando il sistema è bloccato il carico massimo è di 100 kg.
  - Quando il sistema è in movimento il carico massimo è di 20 kg.
- Just rotate the handle to adjust the height of the Counter Top.
  - Load when locking at the double connector in the drawing is up to 100 kg.
  - Load while lifting and lowering is up to 20 kg.



NOME	Kit regolazione h pianale L= 400	Kit regolazione h pianale L= 600	Kit regolazione h pianale L= 800
NAME	Board Lifter Kit L= 400	Board Lifter Kit L= 600	Board Lifter Kit L= 800
CODE	<b>GFK-901</b>	<b>GFK-902</b>	<b>GFK-903</b>

## Utilizzo

How to Use



- Ruotare la maniglia per regolare l'altezza del piano.
- Just rotate the handle to adjust the height of the Counter Top.

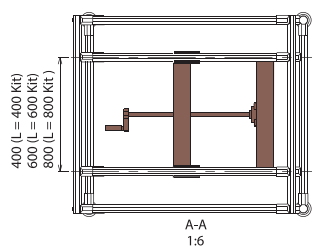
### TECHNICAL DATA

- Weight: GFK-901 7 Kg
- GFK-902 8 Kg
- GFK-903 10 Kg

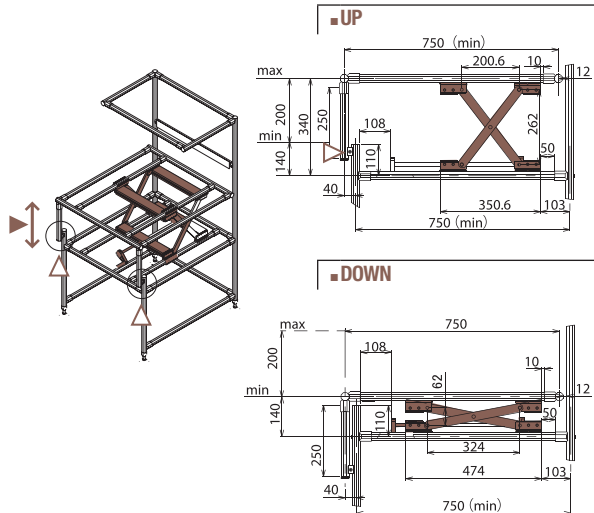
## Design Standard

Standard Design

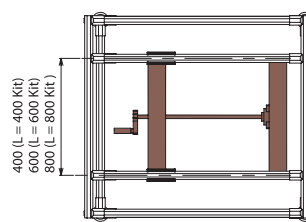
### WORK TABLE A



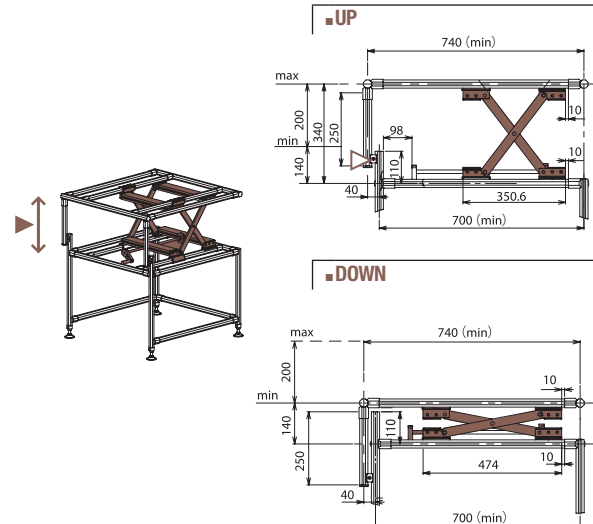
- ▷ Double Connector A
- ▷ Height adjustment range 200 mm



### WORK TABLE B



- ▷ Double Connector B
- ▷ Height adjustment range 200 mm



# Accessori per postazioni di lavoro

Accessories for workstations

## Kit livellamento pianale

Board Leveller Kit



**TECHNICAL DATA**

■ Weight: GFK-900 5 Kg

NOME	Kit livellamento pianale
NAME	Board Leveller Kit
CODE	GFK-900

## Utilizzo

How to Use

■ Sbloccare la leva per regolare l'altezza del tavolo (3 posizioni con incrementi di 200 mm).

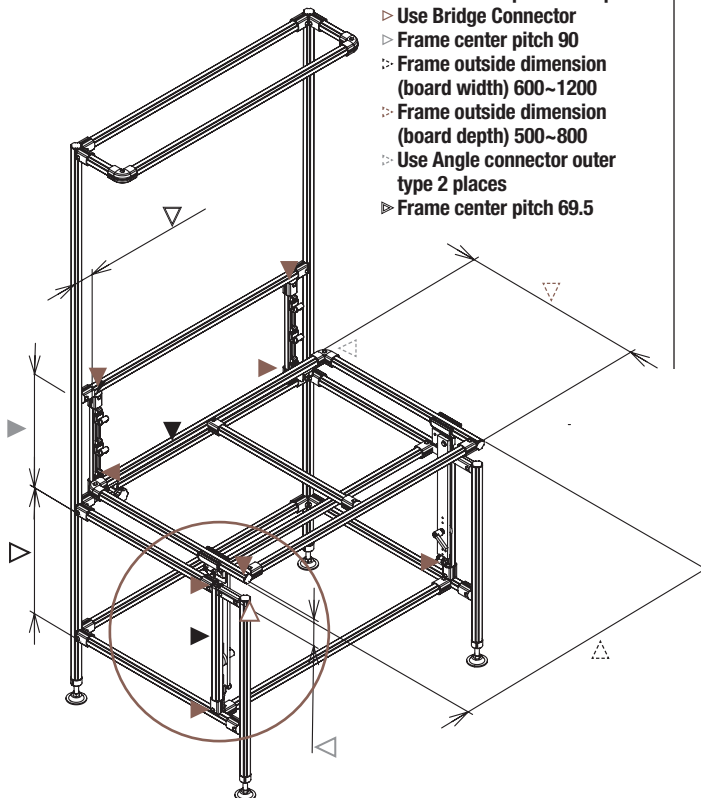
■ Unlock the handle (3 positions) under the table to adjust the height of the table (adjustment every 200 mm).



## Design Standard

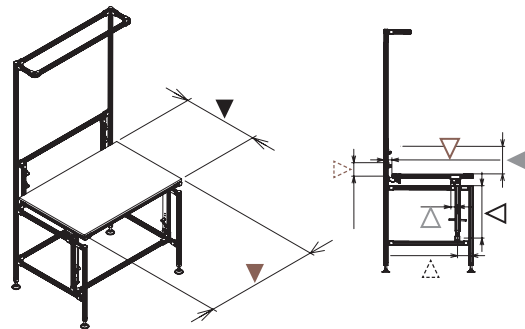
Standard Design

- ▶ Use Green Frame Slot
- ▶ A (beware of direction)
- ▶ Frame center pitch Min. value of 350
- ▶ Frame center pitch 410 up
- ▶ Use Bridge Connector
- ▶ Frame center pitch 90
- ▶ Frame outside dimension (board width) 600~1200
- ▶ Frame outside dimension (board depth) 500~800
- ▶ Use Angle connector outer type 2 places
- ▶ Frame center pitch 69.5



**FULL PICTURE AFTER INSTALLED BOARD**

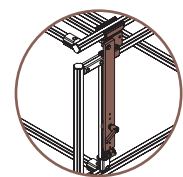
■ Approx. weight: up to 100 kg



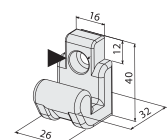
- ▶ Board depth 500~800
- ▶ Board width 600~1200
- ▶ Max. height: 200
- ▶ Use Green Frame Slot L= 396.5 up
- ▶ From frame outer surface to board 60
- ▶ 80
- ▶ Frame center pitch 100
- ▶ Hook (bottom) Min. pitch 40

**ADDITIONAL PART**

- SSC13 - 115 g
- ▶ 6.6 cut Depth 11, Counter bore depth 6.5



NOME	Gancio inferiore
NAME	Lower Hook
CODE	GFW-012





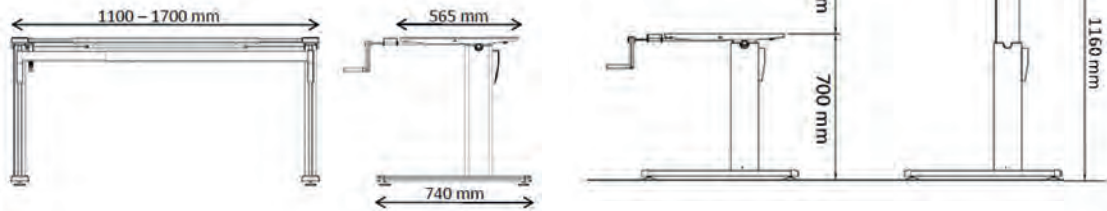
### Kit postazione regolazione manuale

Mechanically adjustable station-kit



<b>NOME</b>	<b>Kit postazione regolazione manuale</b>
<b>NAME</b>	Mechanically adjustable station-kit
<b>CODE</b>	<b>LP-AF001</b>

**TECHNICAL DATA**  
 ■ Maximum Dynamic Load: 80 Kg



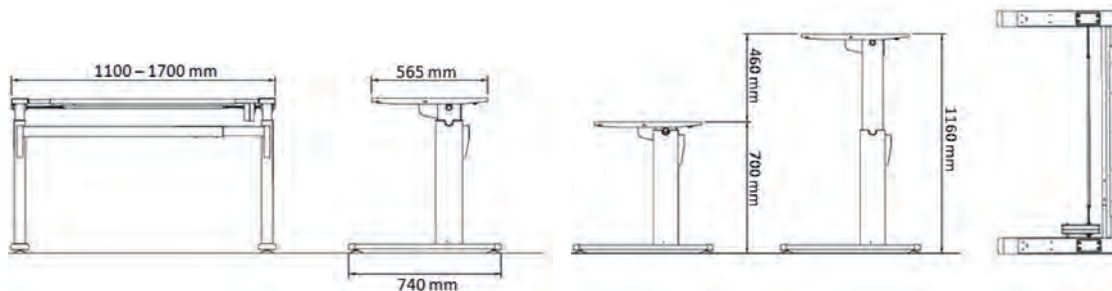
### Kit postazione regolazione elettrico

Electrical adjustable station-kit



<b>NOME</b>	<b>Kit postazione regolazione elettrico</b>
<b>NAME</b>	Electrical adjustable station-kit
<b>CODE</b>	<b>LP-AF002</b>

**TECHNICAL DATA**  
 ■ Maximum Dynamic Load: 90 Kg



# Accessori per postazioni di lavoro

## Accessories for workstations

### Colonna DL12


DL12 Column



#### TECHNICAL DATA

- Column with 3 stage construction
- External dimensions: 60x100 mm
- Installation dimensions: 518 mm
- Lift stroke: 660 mm
- Thrust force: 700 N for column
- Linear speed: 38 mm / s (without load)
- PIEZO™ System anti-collision
- Duty cycle: 10%

NOME	Colonna DL12
NAME	DL12 Column
CODE	LP-LDL12

	NOME	Kit piastra DL12
	NAME	Plate kit DL12
	CODE	LP-LDL12P

### Colonna BL1

BL1 Column

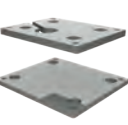


#### TECHNICAL DATA

- Column with 3 stage construction
- External dimensions: 140x175 mm
- Installation dimensions: 350 mm
- Lift stroke: 400 mm
- Thrust force: 2000 N for column
- Linear speed: 21 mm/s (without load)
- Duty cycle: 10%

NOME	Colonna BL1
NAME	BL1 Column
CODE	LP-LBL1

- Incluso cavo connessione centralina.
- Connection cable control unit included.

	NOME	Kit piastra BL1
	NAME	Plate kit BL1
	CODE	LP-LBL1P

### Colonna DL2

DL2 Column



#### TECHNICAL DATA

- Column with 2 stage construction
- External dimensions: 197x194 mm
- Installation dimensions: 655 mm
- Lift stroke: 500 mm
- Thrust force: 2500 N for column
- Linear speed: 20 mm / s (without load)
- Duty cycle: 5%
- Control unit integrated

NOME	Colonna DL2
NAME	DL2 Column
CODE	LP-LDL2

### Centralina a 2 canali

2 channels Control unit



**TECHNICAL DATA**

- ZERO™ Technology
- Voltage: 100 - 240 V AC, 50 Hz - 60 Hz, universal
- Power 300 W
- Connection for 2 channels (LP-LC2) or 4 channels (LP-LC3)

NOME	Centralina a 2 canali
NAME	2 channels Control unit
<b>CODE</b>	<b>LP-LC2</b>

NOME	Centralina per BL1
NAME	Control unit for BL1
<b>CODE</b>	<b>LP-LC2-1</b>

### Centralina a 4 canali

4 channels Control unit



NOME	Centralina a 4 canali
NAME	4 channels Control unit
<b>CODE</b>	<b>LP-LC3</b>

### Pacco batteria

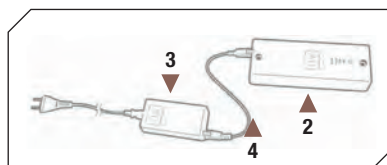
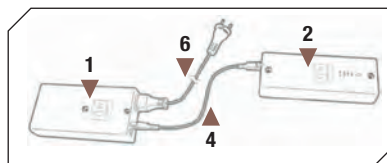
Control unit



**TECHNICAL DATA**

- Rechargeable Lithium Battery SONY®
- LED Charging indicator
- Capacity 2,2 Ah / 53 Wh
- Mounting bracket included

NOME	Pacco batteria
NAME	Control unit
<b>CODE</b>	<b>LP-LPB</b>



NOME	Caricabatterie	Cavo connessione centralina L= 0,2 m
NAME	Battery charger	Control unit connection cable L= 0,2 m
<b>CODE</b>	<b>LP-LPB2</b>	<b>LP-LPB1</b>

### Cavo motore

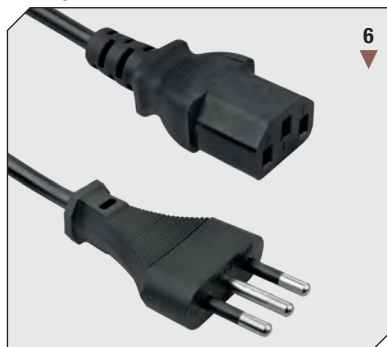
Motor cable



NOME	Cavo motore			
NAME	Motor cable			
	0,5 m	1 m	2 m	2,5 m
<b>CODE</b>	<b>LP-LCM05</b>	<b>LP-LCM10</b>	<b>LP-LCM20</b>	<b>LP-LCM25</b>

### Cavo alimentazione

Voltage cable



NOME	Cavo alimentazione	L= 2 m
NAME	Voltage cable	
<b>CODE</b>	<b>LP-LCA</b>	



## Accessori per postazioni di lavoro

Accessories for workstations

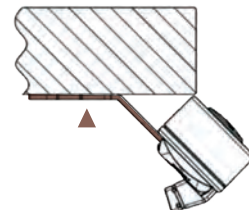
### Pannello sottopiano DPF1C con memorie e display

Undermounted panel DPF1C with memories and display



#### TECHNICAL DATA

- Color: black and white
- Programmable memory position
- Different mounting systems



NOME	Pannello sottopiano DPF1C con memorie e display
NAME	Undermounted panel DPF1C with memories and display
CODE	LP-LP03

NOME	Staffa sottopiano a 45°
NAME	Undermounted panel 45°
CODE	LP-LPS1

### Pannello sottopiano DPF1D

Undermounted panel DPF1D



#### TECHNICAL DATA

- Color: grey
- Adjustable inclination

NOME	Pannello sottopiano DPF1D
NAME	Undermounted panel DPF1D
CODE	LP-LP04

### Kit comando a radio-frequenza a 1 canale

One channel radio frequency controller kit



#### TECHNICAL DATA

- Color: black

NOME	Kit comando a radio-frequenza a 1 canale
NAME	One channel radio frequency controller kit
CODE	LP-LP05

- Permette la connessione con Smartphone iOS e Android per regolazione altezza.
- Allows the connection with Smartphone for iOS / Android for height regulation.

### Adattatore Bluetooth®

Bluetooth® Adapter



NOME	Adattatore Bluetooth®
NAME	Bluetooth® Adapter
CODE	LP-LP06

### Cavo per interruttore di sicurezza

Safety switch cable



#### TECHNICAL DATA

- Dimensions: 7,9 x 7,4 mm
- Activation force: < 50 N
- Self adhesive application: cut to desired length

NOME	Cavo per interruttore di sicurezza
NAME	Safety switch cable
CODE	LP-LCI01

### Costa di Sicurezza

Safety Switch



NOME	Costa di Sicurezza	L= 2000 mm
NAME	Safety Switch	
CODE	LP-LCI02	

# Shadowboards

**LeanProducts srl**  
Via Bassanti, 8 | 33170 Pordenone (PN)  
T +39 0434 572757 - F +39 0434 572750  
info@LeanProducts.eu - [www.LeanProducts.eu](http://www.LeanProducts.eu)

V40

SEZIONE - SECTION

F

LEAN GREEN FACTORY CATALOGUE

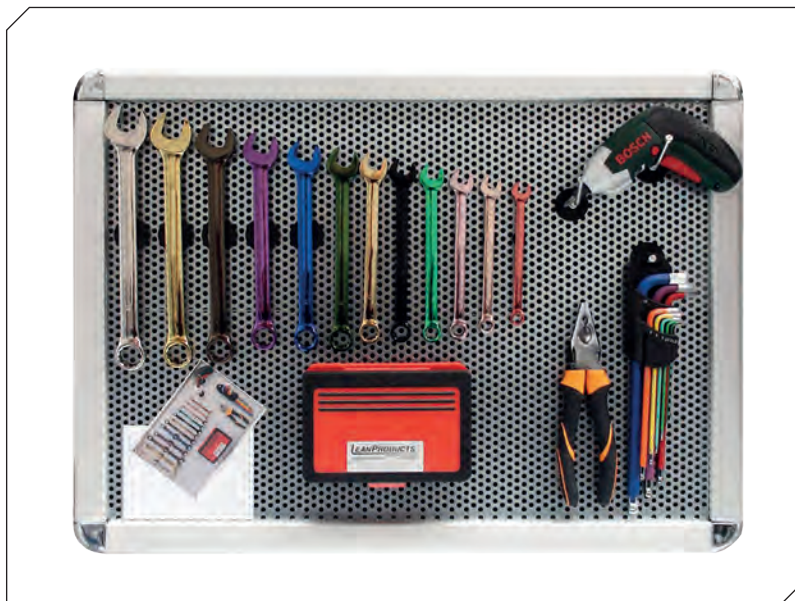
# Shadowboards

## Shadowboard

Grazie alle cornici informative in alluminio con fondo in lamiera forata disponibile in diverse dimensioni ed ai magneti ricoperti in gomma, l'ordine degli attrezzi viene mantenuto in maniera eccellente.

## Shadowboard

Tidy workplace thanks to the aluminium information boards with punched plate, available in different size, and the rubber-coated magnets.

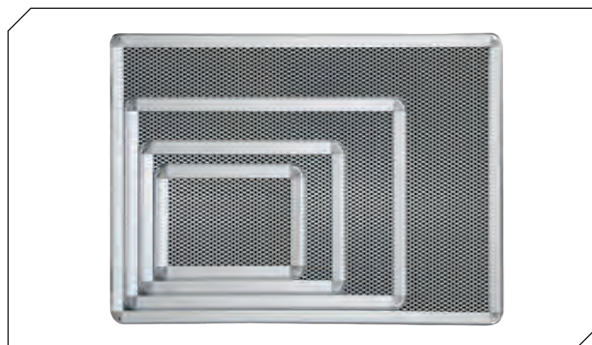


## Cornice informativa in lamiera forata

Information frame with zinc coated plate

**Cornice informativa in alluminio completa di lamiera zincata con fori Ø 5 mm P 8 mm.**

Aluminium information frame including zinc-coated plate with holes Ø 5 mm P 8 mm from each other and at an angle of 60°.



Descrizione Description	DIN A4	DIN A3	DIN A2	DIN A1	DIN A0
<b>CODE</b>	<b>KN-ALU-A4-LF</b>	<b>KN-ALU-A3-LF</b>	<b>KN-ALU-A2-LF</b>	<b>KN-ALU-A1-LF</b>	<b>KN-ALU-A0-LF</b>
Lamiera forata / Zinc coated plate					
<b>CODE</b>	<b>LP-LFZ</b>	<b>1000 x 2000 mm</b>			

## Magneti al Neodimio rivestiti in gomma

Rubben coated Neodymium plate

**I magneti rivestiti in gomma hanno un filetto che permette di fissare il magnete sulla lamiera con vite oppure creare un aggancio personalizzato.**

Rubber-coated magnet have a thread which allows to fix the magnet on the plate through a screw or another customized type of clamp.



■ Fissaggio sulla lamiera

■ Fixing the plate

■ Aggancio personalizzato

■ Customized plant

<b>Forza magnetica</b> Magnetic power	<b>10 N</b>	<b>75 N</b>	<b>85 N</b>	<b>180 N</b>	<b>420 N</b>	<b>5 pezzi</b> 5 pieces
<b>Dimensioni</b> Dimensions	<b>M4 x 12 mm</b>	<b>M4 x 31 mm</b>	<b>M4 x 43 mm</b>	<b>M5 x 66 mm</b>	<b>M6 x 88 mm</b>	
<b>CODE</b>	<b>LP-MAGD12</b>	<b>LP-MAGD31</b>	<b>LP-MAGD43</b>	<b>LP-MAGD66</b>	<b>LP-MAGD88</b>	
<b>Vite testa bombata M4 x 6 mm / Button head screw M4 x 6 mm plate</b>						<b>100 pezzi</b> 100 pieces
<b>CODE</b>	<b>LP-V016</b>					



## Bit colorati per avvitatori

Coloured bit for screwdrivers



NOME	<b>32 Bit per avvitatori</b>	<b>71 Bit per avvitatori</b>
NAME	32 bits for screwdrivers	71 bits for screwdrivers
CODE	<b>LP-BIT320C</b>	<b>LP-BIT710C</b>



## Set chiavi a brugola colorate

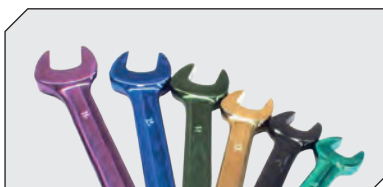
Coloured allen wrenches set



NOME	<b>Set chiavi a brugola colorate</b>	<b>9 pezzi</b>
NAME	Coloured allen wrenches set	9 pieces
CODE	<b>LP-BRUG9C</b>	

## Set chiavi combinate colorate

Combinated coloured wrenches set



NOME	<b>Set chiavi combinate colorate</b>	<b>12 pezzi</b>
NAME	Combinated Coloured wrenches set	12 pieces
CODE	<b>LP-CHIAV12C</b>	

## Set adesivi colorati

Coloured stickers



NOME	<b>Set adesivi colorati</b>	<b>6 colori 600 x 1000 mm</b>
NAME	Coloured stickers	6 colors 600 x 1000 mm
CODE	<b>LP-AVSB</b>	

Potete ritagliare la sagome dell'attrezzo sui nostri adesivi colorati ed applicarli sulla shadowboard per migliorare ulteriormente l'ordine. Il kit comprende n. 6 fogli 600 x 1000 mm in ciascuno dei seguenti colori: rosso / giallo / verde / blu / grigio / nero.

For a tidier workplace you can cut out the silhouette of the tool on our coloured stickers. The kit includes 6 sheets 600x1000 mm, each one of this colour: red / yellow / green / blue / grey / black.

## Fogli stampabili magnetici

Printable magnetics sheets



NOME	<b>Fogli stampabili magnetici</b>
NAME	Printable magnetics sheets
CODE	<b>LP-FM-A4</b>

Stampa solo con stampante a getto di inchiostro. Magnete morbido di spessore 0,15 mm.

Print only with inkjet printers. Soft magnet with 0,15 mm thickness.

## Tasche magnetiche

Magnetics pockets

CODE	Dimensioni Dimensions mm	Pezzi Pieces
<b>LP-TMA3V</b>	<b>325 x 425</b>	<b>5</b>
<b>LP-TMA4V</b>	<b>215 x 315</b>	<b>10</b>
<b>LP-TMA40</b>	<b>310 x 215</b>	<b>10</b>
<b>LP-TMA5V</b>	<b>155 x 215</b>	<b>10</b>
<b>LP-TMA50</b>	<b>220 x 150</b>	<b>10</b>
<b>LP-TMA6V</b>	<b>113 x 158</b>	<b>10</b>
<b>LP-TMA60</b>	<b>155 x 110</b>	<b>10</b>
<b>LP-TMA70</b>	<b>100 x 77</b>	<b>10</b>



Magnete morbido di spessore 1,1 mm. Soft magnet with 1,1 mm thickness.

# Sedie e tappeti

## Workchairs and mats

## Sedie e tappeti

Workchairs and mats

### Sedie Klimastar

Klimastar Workchairs

**Complete di sedili e schienali forati che favoriscono la circolazione d'aria costante e una perfetta traspirazione. La salute sul posto di lavoro è garantita da un'ampia regolazione della struttura, dal corretto dimensionamento dei sedili e dalla presenza di uno schienale alto, regolabile individualmente.**

Equipped with fully perforated seats and backrests, they provide continuous air circulation and optimum seat climate. Health in the workplace is ensured by the adjustable height, the proper ergonomic of the seat and by a high adjustable backrest.



### Sedie Classic

Classic Workchairs

**Possono essere utilizzate in diverse aree grazie a flessibilità e versatilità, mantenendo gli standard di ergonomia.**

**La lavorazione di alta qualità, la progettazione modulare e l'aspetto attraente le rendono una componente preziosa nell'ambiente di lavoro.**

**Sono un economico investimento a lungo termine.**

They can be used in different areas thanks to their flexibility and versatility and ergonomics. Their high quality modular design and polished aesthetics make them essential in the workplace.

### Sedie Econoline

Econoline Workchairs

**Disponibili in varie versioni, presentano caratteristiche di robustezza che si adattano ad usi industriali e sono disponibili ad un favorevole rapporto prezzo / prestazione.**

Available in many versions, their stability make them suitable for industrial use. Remarkable price / performance ratio.



### Supporti renali

Standing Supports

**Disponibili in varie versioni, sono ideali per postazioni di lavoro in cui l'operatore si alza frequentemente. L'inclinazione del sedile varia tra i 2° - 15°.**

Available in many versions, standing supports are suitable for workplace where the operator stands up frequently. Backrest tilt from 2° to 15°.



# Sedie e tappeti

## Workchairs and mats

### Sedie Klimastar

Klimastar Chairs

GARANZIA 5 ANNI / 5 YEARS WARRANTY



<b>Materiale</b> Material	Poliuretano Polyurethane	Poliuretano Polyurethane	Poliuretano Polyurethane	Poliuretano Polyurethane	Poliuretano Polyurethane
<b>Altezza seduta</b> Seat height	440-625 mm	463-638 mm	455-630 mm	630-865 mm	660-890 mm
<b>Base</b> Base	pedini glides	ruote castors	disco antiscivolo disc base	pedini glides	disco antiscivolo disc base
<b>CODE</b>	<b>LP-K0001</b>	<b>LP-K0007</b>	<b>LP-K0010</b>	<b>LP-K0004</b>	<b>LP-K0003</b>

### Sedie Classic

Classic Chairs

GARANZIA 5 ANNI / 5 YEARS WARRANTY



<b>Materiale</b> Material	Poliuretano Polyurethane	Poliuretano Polyurethane	Poliuretano Polyurethane	Poliuretano Polyurethane	Poliuretano Polyurethane
<b>Altezza seduta</b> Seat height	455-630 mm	468-643 mm	460-635 mm	640-875 mm	670-885 mm
<b>Base</b> Base	pedini glides	ruote castors	disco antiscivolo disc base	pedini glides	disco antiscivolo disc base
<b>CODE</b>	<b>LP-C0004</b>	<b>LP-C0024</b>	<b>LP-C0053</b>	<b>LP-C0017</b>	<b>LP-C0014</b>

### Sedie Econoline

Econoline Chairs

GARANZIA 3 ANNI / 3 YEARS WARRANTY



<b>Materiale</b> Material	Poliuretano Polyurethane	Poliuretano Polyurethane	Poliuretano Polyurethane
<b>Altezza seduta</b> Seat height	470-665 mm	475-670 mm	675-885 mm
<b>Base</b> Base	pedini glides	ruote castors	pedini glides
<b>CODE</b>	<b>LP-E0006</b>	<b>LP-E0009</b>	<b>LP-E0007</b>

## Supporti renali

Standing Supports

GARANZIA 5 ANNI / 5 YEARS WARRANTY

			
<b>Materiale</b> Material	<b>Poliuretano</b> Polyurethane	<b>Poliuretano</b> Polyurethane	<b>Poliuretano</b> Polyurethane
<b>Altezza seduta</b> Seat height	<b>640-845 mm</b>	<b>645-855 mm</b>	<b>450-605 mm</b>
<b>Base</b> Base	<b>pedini</b> glides	<b>disco antiscivolo</b> disc base	<b>ruote</b> wheels
<b>CODE</b>	<b>LP-R0004</b>	<b>LP-R0003</b>	<b>LP-R0005</b>

## Modelli vari

Various models

GARANZIA 5 ANNI / 5 YEARS WARRANTY



COLORI / COLORS









Disponibili altre versioni, anche ESD.

Other versions available, ESD too.

## Accessori

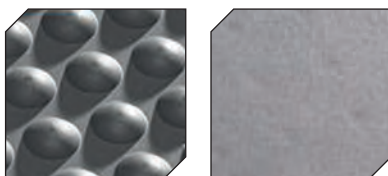
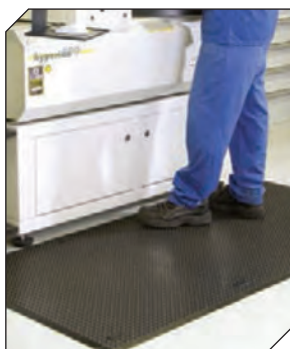
Accessories

					
<b>NOME</b> NAME	<b>Braccioli ad anello pz.2</b> Ring armrests pcs.2	<b>NOME</b> NAME	<b>Braccioli in plastica pz.2</b> Plastic ring armrests pcs.2	<b>NOME</b> NAME	<b>Braccioli H regolabile pz.2</b> H adjustable armrests pcs.2
<b>CODE</b>	<b>LP-B0001</b>	<b>CODE</b>	<b>LP-B0006</b>	<b>CODE</b>	<b>LP-B0002</b>
					
<b>NOME</b> NAME	<b>Anello poggipiedi Ø 540</b> Footring Ø 540	<b>NOME</b> NAME	<b>Anello poggipiedi Ø 440</b> Footring Ø 440	<b>NOME</b> NAME	<b>Pedana poggipiedi</b> Footrest
<b>CODE</b>	<b>LP-P0013</b>	<b>CODE</b>	<b>LP-P0016</b>	<b>CODE</b>	<b>LP-P0005</b>

# Sedie e tappeti

## Workchairs and mats

### Standard - Classic



#### TECHNICAL DATA

- Dimensions: 600 x 900 mm
- Material: polyurethane
- Color: anthracite
- Weight: 3 kg
- Resistance to temperature: -40° to +80°C
- Electrical resistance: 10<sup>6</sup> Ω

#### WARRANTY

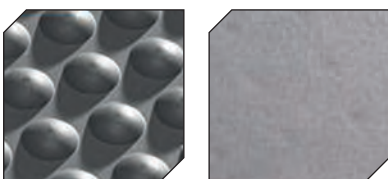
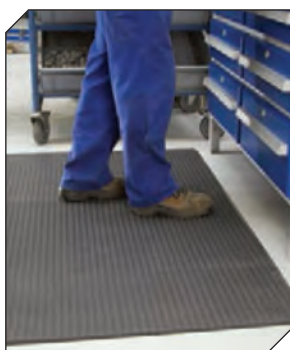
- 3 years

#### ON REQUEST

- Anti-static
- Anti-slip
- In other colors
- In other dimensions

CODE	Applicazione Application	Superficie Surface	Fondo Bottom
9007190002	Principalmente in aree asciutte Mainly on dry areas	Bugnatura sferica Spherical embossed	Piatto Flat

### Standard - Comfort



#### TECHNICAL DATA

- Dimensions: 600 x 900 mm
- Material: polyether
- Color: anthracite
- Weight: 3 kg
- Resistance to temperature: -35° to +95°C
- Electrical resistance: 10<sup>7</sup> Ω
- Fireproof (B1)

#### WARRANTY

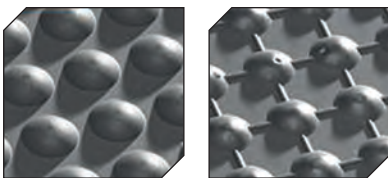
- 5 years

#### ON REQUEST

- Anti-static
- Anti-slip
- In other colors
- In other dimensions

CODE	Applicazione Application	Superficie Surface	Fondo Bottom
9007190034	In aree asciutte e umide On dry and wet areas	Bugnatura sferica Spherical embossed	Piatto Flat

### Duofit - Comfort



#### TECHNICAL DATA

- Dimensions: 600 x 900 mm
- Material: polyether
- Color: anthracite
- Weight: 3 kg
- Resistance to temperature: -35° to +95°C
- Electrical resistance: 10<sup>7</sup> Ω
- Fireproof (B1)

#### WARRANTY

- 5 years

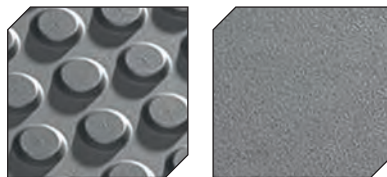
#### ON REQUEST

- Anti-static
- In other colors
- In other dimensions

CODE	Applicazione Application	Superficie Surface	Fondo Bottom
9007190003	In aree asciutte e umide On dry and wet areas	Bugnatura sferica Spherical embossed	Bugnatura sferica Spherical embossed



## Drehfit - Classic



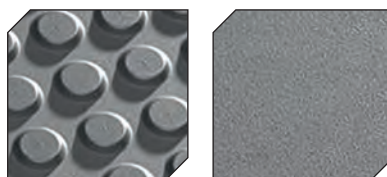
- TECHNICAL DATA**
- Dimensions: 600 x 900 mm
  - Material: polyurethane
  - Color: anthracite
  - Carpet weight: 3 kg
  - Resistance to temperature: -40° to +80°C
  - Electrical resistance: 10<sup>6</sup> Ω

- WARRANTY**
- 3 years

- ON REQUEST**
- Anti-static
  - Anti-slip
  - In other colors
  - In other dimensions

CODE	Applicazione Application	Superficie Surface	Fondo Bottom
9007190004	Principalmente in aree asciutte. Per lavori con frequenti movimenti di rotazione For frequent rotation movements	Bugnatura piatta Flat embossed	Struttura a nido d'ape Honeycomb structure

## Drehfit - Comfort



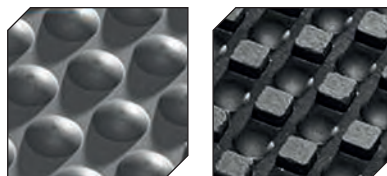
- TECHNICAL DATA**
- Dimensions: 600 x 900 mm
  - Material: polyether
  - Color: anthracite
  - Weight: 3 kg
  - Resistance to temperature: -35° to +85°C
  - Electrical resistance: 10<sup>7</sup> Ω
  - Fireproof (B1)

- WARRANTY**
- 5 years

- ON REQUEST**
- Anti-static
  - Anti-slip
  - In other colors
  - In other dimensions

CODE	Applicazione Application	Superficie Surface	Fondo Bottom
9007190035	Principalmente in aree asciutte. Per lavori con frequenti movimenti di rotazione For frequent rotation movements	Bugnatura piatta Flat embossed	Struttura a nido d'ape Honeycomb structure

## Hydrofit



- TECHNICAL DATA**
- Dimensions: 600 x 900 mm
  - Material: nitrile rubber
  - Color: black
  - Weight: 4,7 kg
  - Temperature range: -18° to 100°C
  - Electrical resistance: 10<sup>4</sup> Ω
  - Resistant to acids, alkalis and oils commonly used in industries
  - Ideal for welding

- WARRANTY**
- 8 years

- ON REQUEST**
- Anti-static
  - Fireproof
  - Drawn holes for the elimination of liquid
  - In other dimensions

CODE	Applicazione Application	Superficie Surface	Fondo Bottom
9007190005	Per ambienti umidi, di saldatura e con alti requisiti igienici. Wet areas, welding environments and high hygiene requirements.	Bugnatura sferica Spherical embossed	Base strutturata per una maggiore aderenza Structured basis for better grip

# Note

Notes



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# Dati Tecnici

## Technical Data

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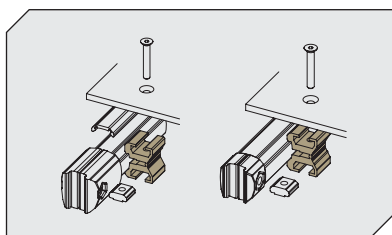
V40

SEZIONE - SECTION

G

LEAN GREEN FACTORY CATALOGUE

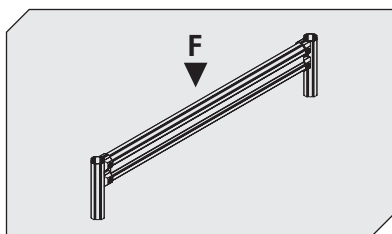
# Index



G-3

**Dimensioni approssimative per fissaggio pannelli**

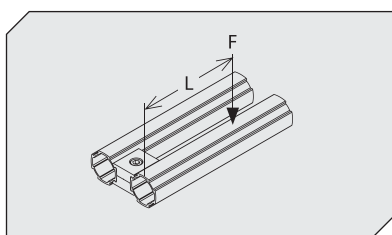
Approximate dimensions for boards installation



G-10

**Carico consentito**

Load data



G-15

**Portata connettori**

Connectors load data



# **Dimensioni approssimative per fissaggio pannelli**

## **Approximate dimensions for boards installation**

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V 40

SEZIONE - SECTION

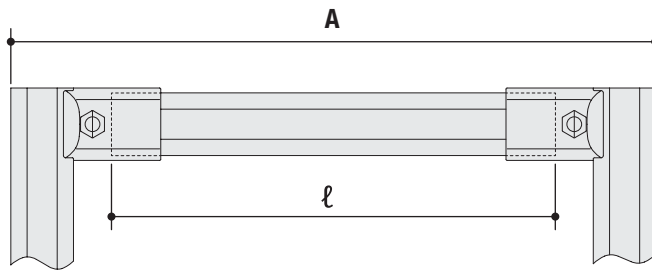
G

LEAN GREEN FACTORY CATALOGUE

# Dimensioni approssimative profilo

Frame approximate dimensions

SUS



**A:** Dimensione esterna  
**l:** Lunghezza profilo

A: Outer Dimension  
l: Frame length

## CONNETTORI GF-N / GF-N CONNECTORS

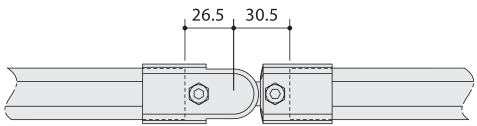
Connettori Connectors	GFJ-000 GFJ-012	GFJ-200 GFJ-207	GFJ-215
Profili Frames	GFF-000 GFF-004	GFF-017 GFF-003	GFF-019 GFF-006
GF-N	 $l = A - (44 \times 2)$	 $l = A - (44 \times 2)$	 $l = A - (44 \times 2)$
GF-G	 $l = A - (59 \times 2)$	 $l = A - (59 \times 2)$	 $l = A - (59 \times 2)$

Connettori Connectors	GFJ-005 GFJ-012	GFJ-204
Profili Frames	GFF-000 GFF-004	GFF-017 GFF-003
GFJ-005	 $l = A - (30.5 \times 2)$	 $l = A - (44 \times 2)$
GFJ-204	 $l = A - (44 \times 2)$	

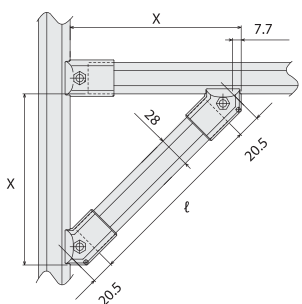
Connettori Connectors	GFJ-002 GFJ-B01	GFJ-202
Profili Frames	GFF-000 GFF-004	GFF-017 GFF-003
GFJ-002	 $l = \sqrt{(X-31.5)^2 + (Y-31.5)^2} - 26.5 \times 2$	 $l = \sqrt{(X-31.5)^2 + (Y-31.5)^2} - 26.5 \times 2$

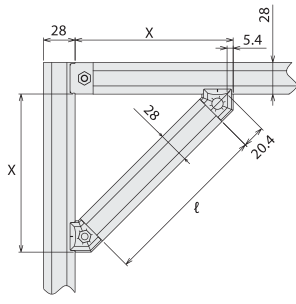
**CONNETTORI GF-N / GF-N CONNECTORS**

<b>Connettori</b> Connector	<b>GFJ-B00</b>		
<b>Profili</b> Frames	<b>GFF-000</b> <b>GFF-004</b>	<b>GFF-017</b> <b>GFF-019</b>	<b>GFF-006</b>



<b>Connettori</b> Connectors	<b>GFJ-017</b>			<b>GFJ-220</b>		
<b>Profili</b> Frames	<b>GFF-000</b> <b>GFF-004</b>	<b>GFF-017</b> <b>GFF-019</b>	<b>GFF-006</b>	<b>GFF-000</b> <b>GFF-014</b>	<b>GFF-005</b> <b>GFF-006</b>	

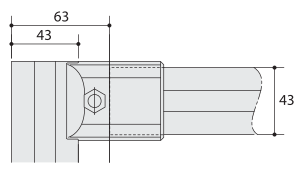
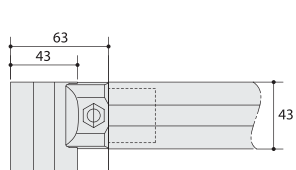
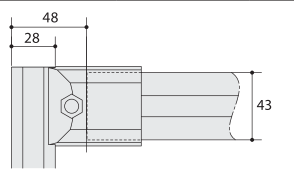
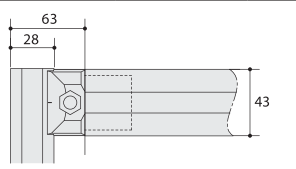


$$\ell = (X - 7.7) \times \sqrt{2} - 41$$


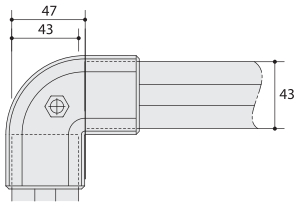
$$\ell = (X - 5.4) \times \sqrt{2} - 41$$

**CONNETTORI GF-G / GF-G CONNECTORS**

<b>Connettori</b> Connector	<b>GFJ-014</b> <b>GFJ-028</b>	<b>GFJ-031</b>	<b>GFJ-209</b>
<b>Profili</b> Frames	<b>GFF-200</b> <b>GFF-205</b>	<b>GFF-209</b>	<b>GFF-200</b>

<b>GF-G</b>		$\ell = A - (63 \times 2)$		$\ell = A - (63 \times 2)$
<b>GF-N</b>		$\ell = A - (48 \times 2)$		$\ell = A - (48 \times 2)$

<b>Connettere</b> Connector	<b>GFJ-016</b>	
<b>Profili</b> Frames	<b>GFF-200</b> <b>GFF-205</b>	<b>GFF-209</b>



$$\ell = A - (47 \times 2)$$



# Dimensioni approssimative profilo

Frame approximate dimensions

SUS

LEAN GREEN FACTORY CATALOGUE

G

SEZIONE - SECTION

V 4.0

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## CONNETTORI GF-G / GF-G CONNECTORS

Connettori Connectors	GFJ-228		GFJ-024	
Profili Frames	GFF-200		GFF-020 GFF-205	GFF-209
	$l = \sqrt{(X-43)^2 + (Y-43)^2} - 67.2$		$l = (X-13.3) \times \sqrt{2} - 57.2$	

## CONNETTORI GF-S / GF-S CONNECTORS

Connettori Connectors	GFJ-018		GFJ-B66	
Profili Frames	GFF-400 GFF-401	GFF-404	GFF-400 GFF-406	GFF-402 GFF-403
	$l = A - (31.5 \times 2)$		$l = A - (31.5 \times 2)$	

Connettori Connectors	GFJ-046		GFJ-041	
Profili Frames	GFF-400 GFF-401	GFF-404	GFF-400 GFF-406	GFF-402 GFF-403
	$l = A - (31.5 \times 2)$		$l = \sqrt{(X-24)^2 + (Y-24)^2} - 41.4$	

CONNETTORI GF-S / GF-S CONNECTORS

<b>Connettori</b> Connectors	<b>GFJ-016</b>	
<b>Profili</b> Frames	<b>GFF-200</b> <b>GFF-205</b>	<b>GFF-209</b>
	$l = (X - 2.5) \times \sqrt{2} - 31.4$	

<b>Connettori</b> Connectors	<b>GFJ-020</b>	
<b>Profili</b> Frames	<b>GFF-400</b> <b>GFF-401</b>	<b>GFF-404</b>
<b>GF-N</b>		
	$l = A - (40 \times 2)$	
<b>GF-G</b>		
	$l = A - (55 \times 2)$	

CONNETTORI GF-S / GF-S CONNECTORS

<b>Connettori</b> Connectors	<b>GFJ-A13</b>	
<b>Profili</b> Frames	<b>GFF-000</b> <b>GFF-004</b>	<b>GFF-017</b> <b>GFF-019</b>

# Dimensioni per fissaggio pannelli

Dimensions for boards installation

SUS

LEAN GREEN FACTORY CATALOGUE

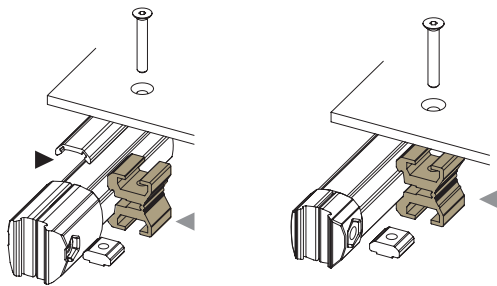
G

SEZIONE - SECTION

V 4.0

LEANPRODUCTS  
Lean manufacturing

## FISSAGGIO PANNELLI A / BOARDS HOLDER A

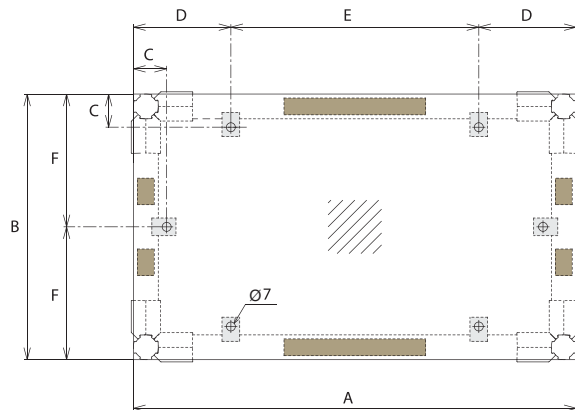


•Connettori Esterni  
•Outer Connectors

- ▶ Copricava
- ▶ Fissaggio pannelli A

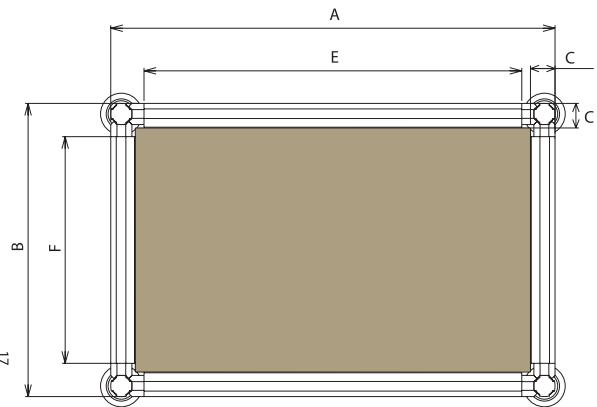
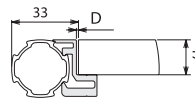
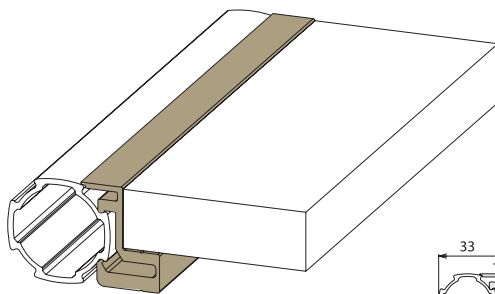
•Connettori Interni  
•Inner Connectors

- ▶ Frame Guard
- ▶ Boards Holder A

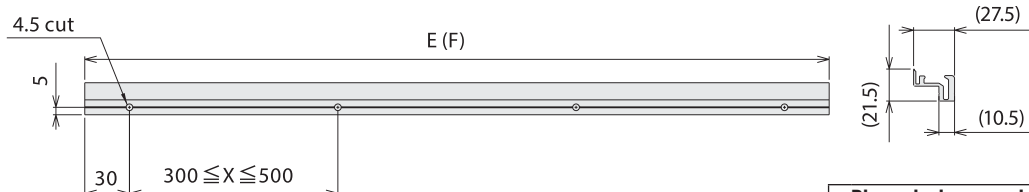


	Dimensione Pannello Board Size	C (mm)	D (mm)	E (mm)	F (mm)
GF-N (28 mm)	A x B	37.5	> 80	> 500	> 80 < 200
GF-G (43 mm)	A x B	53	> 120	> 500	> 120 < 200
GF-S (19 mm)	A x B	27	> 60	> 500	> 60 < 200

## FISSAGGIO PANNELLI F / BOARDS HOLDER F



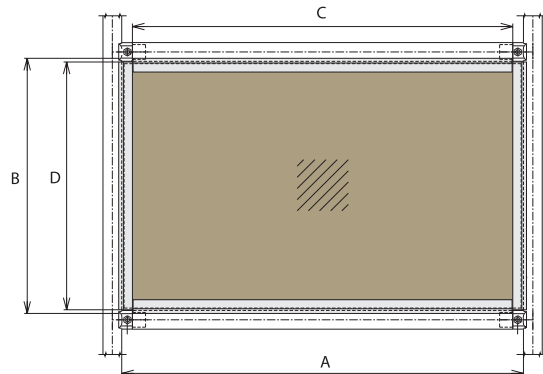
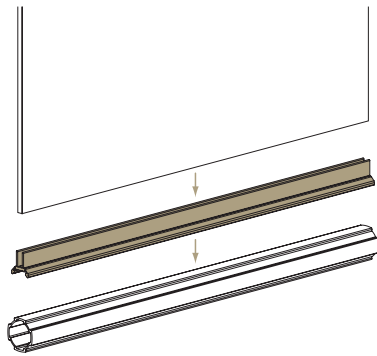
	Dimensione Pannello Board Size	C (mm)	D (mm)	E (mm)	F (mm)
Connettore Esterno Outer Connector	(A-66) x (B-66)	33	> 1	A-(68x2)	B-(68x2)
Connettore Interno Inner Connector	(A-66) x (B-66)	33	> 1	A-(45x2)	B-(45x2)



•Dimensioni approssimative in caso di foro per vite su Fissaggio Pannello.  
•Approximate dimensions for screw hole Boards Holder F.

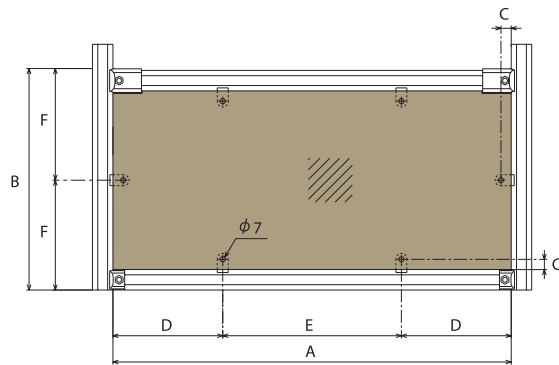
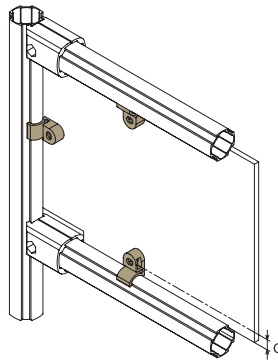


**ESTRUSO PER PANNELLI / PANELS HOLD**

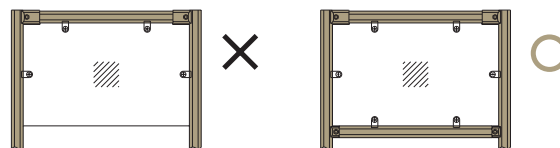
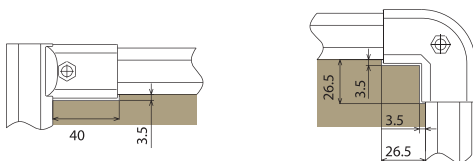


Profili Frames	Connettore Connector	Dimensione pannello Boards Size	Dimensione estruso per pannelli Panels Hold Size	
			C (mm)	D (mm)
GF-N (28 mm)	<b>Connettore 90° Esterno</b> Multi Connector Outer Type	(A-7) × (B-7)	A-80	B-7
	<b>Connettore 90° Interno</b> Multi Connector Inner Type	(A-6) × (B-6)	A-34	B-2
GF-S (19 mm)	<b>Connettore 90° Esterno S</b> Multi Connector Outer Type S	(A-6) × (B-6)	A-55	B-6
	<b>Connettore 90° Interno S</b> Multi Connector Inner Type S	(A-6) × (B-6)	A-27.4	B-2

**FISSAGGIO PANNELLO B/C / PLATE CONNECTOR B/C**



	Dimensione Pannello Boards Size	C (mm)	D (mm)	E (mm)	F (mm)	
GF-N (28 mm)	A × B	14	> 50	> 500	> 50	< 200
GF-G (43 mm)	A × B	14	> 80	> 500	> 80	< 200
GF-S (19 mm)	A × B	14	> 40	> 500	> 40	< 200



**-In caso di utilizzo di Connettore Esterno è necessaria la seguente lavorazione.**  
 -For the Multi Connector (Outer type) see indications above.

**-In caso di utilizzo di Connettore Esterno angolo 90° è necessaria la seguente lavorazione.**  
 -For the Angle Connector Outer type see indications above.

**-Possibilità di caduta pannello**  
 -There is a possibility to drop the plate.

**-Chiudere i 4 lati.**  
 -Cover all 4 direction of frame.

# Carico consentito

## Frame load data

# Carico consentito (GF-N)

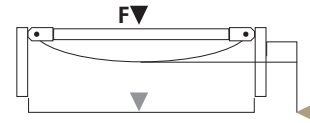
## Frame load data (GF-N)

**CONDIZIONE:**

- 1 Fissare il profilo alle due estremità ed aggiungere il carico concentrato.
- 2 La lunghezza del profilo è data dalla dimensione interna inclusi i connettori.

**CONDITION:**

- 1 Fix both end of frame and add concentrated load according to the arrow direction.
- 2 Frame length is the result of the inside dimension including connectors.



**CARICO RACCOMANDATO:**

- La flessione centrale del profilo è 5 / 1000 rispetto alla lunghezza del profilo.

**RECOMMENDED LOAD:**

- Deflection in the middle of frame is 5 / 1000 of frame length.

► L: lunghezza profilo

► δ: flessione

► L: frame length

► δ: deflection

**CARICO CRITICO:**

- È il limite oltre il quale il profilo inizia a deformarsi.

**CRITICAL LOAD:**

- Limit where the Frame starts to deform.

**FORMULA / FORMULA**

•Carico raccomandato / Recommended Load

$$\delta = \frac{FL^3}{48EI}$$

•Carico critico / Critical Load

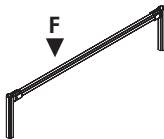
$$\delta = \frac{FL}{4Z}$$

If the slide load of connector is smaller than recommended load and critical load, fill in the slide load of connector.

Lunghezza profilo Frame Length (mm)	Flessione accettata Allowable Deflection (mm) 5 / 1000	Carico raccomandato Recommended Load (N)	Carico critico Critical Load (N)
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**Profilo GF-N / Green Frame**

**GFF-000**

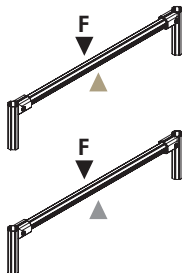


500	2.5	779	1162
1000	5	195	581

**Profilo GF-N C10 / Green Frame L Slot**

- Cava laterale
- Cava inferiore
- Side T Slot
- Lower T Slot

**GFF-004**

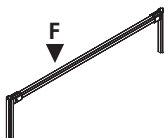


		-Orizzontale / Horizontal	
500	2.5	1300	1400
1000	5	334	994

		-Verticale / Vertical	
500	2.5	779	1344
1000	5	200	672

**Profilo GF-N -T / Green Frame T**

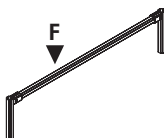
**GFF-017**



500	2.5	1155	1600
1000	5	289	1008

**Profilo GF-N Hard / Green Frame Hard**

**GFF-019**



500	2.5	1350	1600
1000	5	338	1008



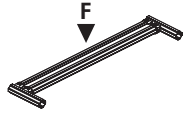
# Carico consentito (GF-N)

Frame load data (GF-N)

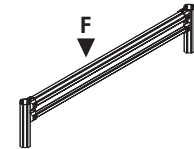
SUS

Lunghezza profilo Frame Length (mm)	Flessione accettata Allowable Deflection (mm) 5 / 1000	Carico raccomandato Recommended Load (N)	Carico critico Critical Load (N)
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**Profilo GF-N W / Green Frame W**



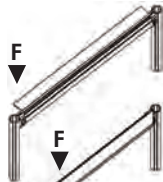
			-Orizzontale / Horizontal
500	2.5	1350	1600
1000	5	338	1008



			-Verticale / Vertical
500	2.5	2000	2000
1000	5	1958	2000

**GFF-003**

**Profilo GF-N F35 / Green Frame F35**



			-Orizzontale / Horizontal
500	2.5	1600	1600
1000	5	283	770



			-Verticale / Vertical
500	2.5	1600	1600
1000	5	507	868

**GFF-014**

**Profilo GF-N F50 / Green Frame F50**



			-Orizzontale / Horizontal
500	2.5	1540	1540
1000	5	511	770



			-Verticale / Vertical
500	2.5	1600	1600
1000	5	430	966

**GFF-005**

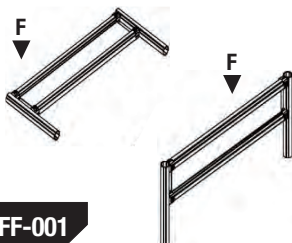
**Profilo GF-N Slide / Green Frame Slide**



500	2.5	987	1414
1000	5	247	707

**GFF-006**

**Profilo GF-N P100 / Green Frame P100**



			-Orizzontale / Horizontal
500	2.5	1558	2310
1000	5	390	1155

			-Verticale / Vertical
500	2.5	3200	3200
1000	5	3200	3200

**GFF-001**

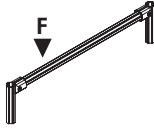
# Carico consentito (GF-G)

## Frame load data (GF-G)

Lunghezza profilo Frame Length (mm)	Flessione accettata Allowable Deflection (mm) 5 / 1000	Carico raccomandato Recommended Load (N)	Carico critico Critical Load (N)
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### Profilo GF-G / Green Frame G

**GFF-200**

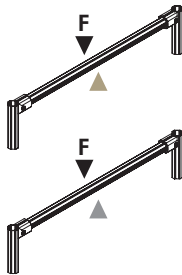


500	2.5	1800	1800
1000	5	851	1652

### Profilo GF-G C10 / Green Frame G L Slot

- ▶ Cava laterale
- ▶ Cava inferiore
- ▶ Side T Slot
- ▶ Lower T Slot

**GFF-205**



-Orizzontale / Horizontal			
500	2.5	1800	1800
1000	5	972	1800
-Verticale / Vertical			
500	2.5	1800	1800
1000	5	875	1701

### Profilo GF-G Hard / Green Frame G Hard

**GFF-209**



500	2.5	1800	1800
1000	5	1542	1800

# Carico consentito (GF-S)

## Frame load data (GF-S)

### Profilo GF-S / Green Frame S

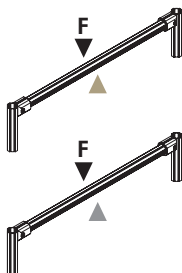
**GFF-400**

500	2.5	181	300
1000	5	45	196

### Profilo GF-S C6 / Green Frame S-SS Slot

- ▶ Cava laterale
- ▶ Cava inferiore
- ▶ Side SS Slot
- ▶ Lower SS Slot

**GFF-401**



-Orizzontale / Horizontal			
500	2.5	257	560
1000	5	64	282
-Verticale / Vertical			
500	2.5	133	252
1000	5	33	126

# Carico consentito (GF-S)

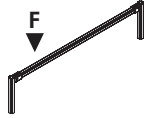
Frame load data (GF-S)

SUS

Lunghezza profilo Frame Length (mm)	Flessione accettata Allowable Deflection (mm) 5 / 1000	Carico raccomandato Recommended Load (N)	Carico critico Critical Load (N)
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**Profilo GF-S Hard / Green Frame S Hard**

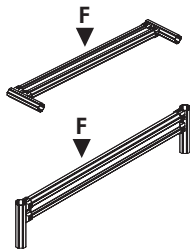
**GFF-404**



500	2.5	343	560
1000	5	86	378

**Profilo GF-S W / Green Frame S W**

**GFF-406**

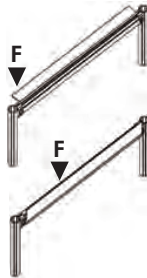


			-Orizzontale / Horizontal
500	2.5	257	560
1000	5	64	282

			-Verticale / Vertical
500	2.5	133	252
1000	5	33	126

**Profilo GF-S F 22 / Green Frame S F22**

**GFF-403**



			-Orizzontale / Horizontal
500	2.5	300	300
1000	5	136	300

			-Verticale / Vertical
500	2.5	300	300
1000	5	144	300

**Profilo GF-S F35 / Green Frame S F35**

**GFF-402**



			-Orizzontale / Horizontal
500	2.5	300	300
1000	5	154	300

			-Verticale / Vertical
500	2.5	300	300
1000	5	156	300



# Portata connettori

## Connectors load data

**LeanProducts srl**  
Via Bassanti, 8 | 33170 Pordenone (PN)  
T +39 0434 572757 - F +39 0434 572750  
info@LeanProducts.eu - [www.LeanProducts.eu](http://www.LeanProducts.eu)

V40

SEZIONE - SECTION

G

LEAN GREEN FACTORY CATALOGUE

# Portata Connettori (GF-N)

## Connectors load data (GF-N)

SUS

**CARICO IN SPINTA**

•Carico ammesso nella direzione di spinta.

**SLIDE LOAD**

•Allowable Load on shift direction.

**MOMENTO DI CARICO:**

•M (Momento) = F (Forza) × L (Lunghezza).

**CARICO IN TRAZIONE**

•Carico ammesso in trazione nella direzione del connettore.

**PULL-OUT LOAD**

•Allowable Load on pulling direction of Connector.

**MOMENT LOAD:**

•M (Moment) = F (Force) × L (Length).

**CARICO MESSO IN COMPRESSIONE**

•Carico ammesso nella direzione di compressione.

**MOMENT LOAD**

•Allowable Load on direction of compression.

**Connettore 90° Esterno / Multi Connector Outer Type**

**GFJ-000**

Slide Load (N)	800	Pull-out Load (N)	420	Moment Load		Length (mm)	Allowable Load (N)	
				Vertical	Horizontal		Vertical	Horizontal
						100	110	55
						200	55	28
						300	37	18
						500	22	11
						Allowable Moment (Nm)	11	5.5

**Connettore 90° Interno / Multi Connector Inner Type**

**GFJ-200**

Slide Load (N)	800	Pull-out Load (N)	420	Moment Load		Length (mm)	Allowable Load (N)	
				Vertical	Horizontal		Vertical	Horizontal
						100	90	60
						200	45	30
						300	30	20
						500	18	12
						Allowable Moment (Nm)	9	6

**Connettore 90° Interno R / Multi Connector Inner Type R**

**GFJ-207**

Slide Load (N)	800	Pull-out Load (N)	420	Moment Load		Length (mm)	Allowable Load (N)	
				Vertical	Horizontal		Vertical	Horizontal
						100	90	60
						200	45	30
						300	30	20
						500	18	12
						Allowable Moment (Nm)	9	6

**Connettore 90° Interno Lungo / Multi Connector Long Inner Type**

**GFJ-215**

Slide Load (N)	3000	Pull-out Load (N)	600	Moment Load		Length (mm)	Allowable Load (N)	
				Vertical	Horizontal		Vertical	Horizontal
						100	330	120
						200	165	60
						300	110	40
						500	66	24
						Allowable Moment (Nm)	33	12

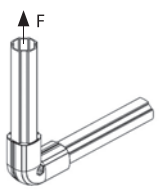
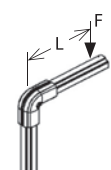
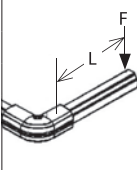
**Connettore Esterno angolo 90° / Angle Connector Outer Type**

**GFJ-005**

Pull-out Load (N)	170	Moment Load		Length (mm)	Allowable Load (N)	
		Vertical	Horizontal		Vertical	Horizontal
				100	400	200
				200	200	100
				300	133	67
				500	80	40
				Allowable Moment (Nm)	40	20

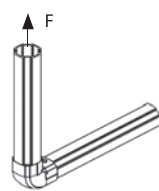
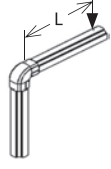
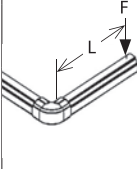
**Connettore Esterno angolo 90° E / Multi Connector Long Inner Type**

**GFJ-010**

Pull-out Load (N)	210	Moment Load		Length (mm)	Allowable Load (N)	
		Vertical	Horizontal		Vertical	Horizontal
				100	600	200
				200	300	100
				300	200	67
				500	120	40
				Allowable Moment (Nm)	60	20

**Connettore Interno angolo 90° / Angle Connector Inner Type**

**GFJ-204**

Pull-out Load (N)	280	Moment Load		Length (mm)	Allowable Load (N)	
		Vertical	Horizontal		Vertical	Horizontal
				100	130	65
				200	65	33
				300	43	22
				500	26	13
				Allowable Moment (Nm)	13	6.5

**Connettore Esterno Snodato / Free Connector Outer Type**

**GFJ-002**

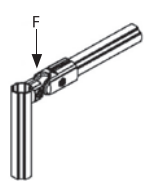

**Connettore Interno Snodato / Free Connector Inner Type**

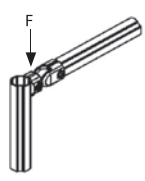

**GFJ-202**

**Connettore Esterno Snodato V-M**

Free Connector Outer Type V-M

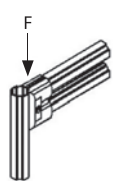
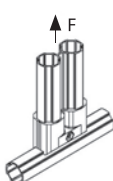
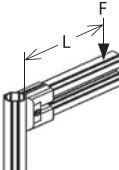
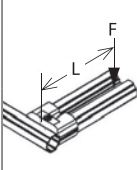
**GFJ-B01**

Slide Load (N)	700	Pull-out Load (N)	390
			

Slide Load (N)	800	Pull-out Load (N)	170
			

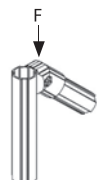
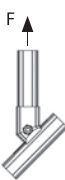
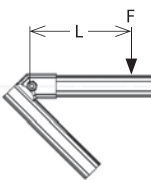
**Connettore 90° Esterno W / Multi Connector Outer Type W**

**GFJ-012**

Slide Load (N)	1000	Pull-out Load (N)	450	Moment Load		Length (mm)	Allowable Load (N)	
				Vertical	Horizontal		Vertical	Horizontal
						100	500	230
						200	250	115
						300	167	77
						500	100	46
						Allowable Moment (Nm)	50	23

**Connettore 45° Esterno / 45° Connector Outer Type**

**GFJ-007**

Slide Load (N)	700	Pull-out Load (N)	260	Moment Load		Length (mm)	Allowable Load (N)
				Vertical	Horizontal		
						100	165
						200	83
						300	55
						500	33
						Allowable Moment (Nm)	16.5



# Portata Connettori (GF-N)

## Connectors load data (GF-N)

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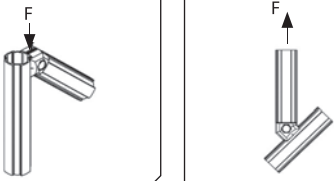
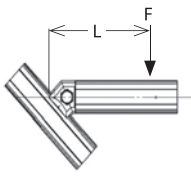
SEZIONE - SECTION

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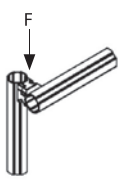
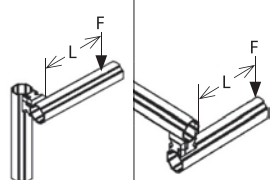
### Connettore 45° Interno / 45° Connector Inner Type

GFJ-220

Slide Load (N)	600	Pull-out Load (N)	275	Moment Load	Length (mm)	Allowable Load (N)	
							
					100	116	
					200	58	
					300	39	
					500	23	
					Allowable Moment (Nm)	11.6	

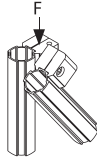
### Connettore a Croce / Cross Connector

GFJ-A11

Slide Load (N)	900	Moment Load	Length (mm)	Allowable Load (N)	
				Vertical	Horizontal
			100	100	65
			200	50	33
			300	33	22
			500	20	13
			Allowable Moment (Nm)	10	6.5

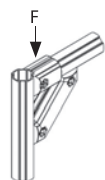
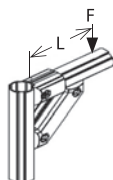
### Connettore Rotante a Croce / Rotating Cross Connector

GFJ-B08

Slide Load (N)	250
	

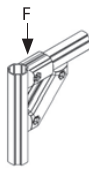
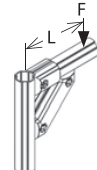
### Rinforzo 45° / Point Connector

GFJ-A15

Slide Load (N)	1400	Moment Load	Length (mm)	Allowable Load (N)	
				Inner Type	Outer Type
			100	1200	1200
			200	600	600
			300	400	400
			500	240	240
			Allowable Moment (Nm)	120	120

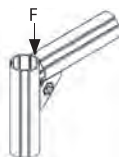
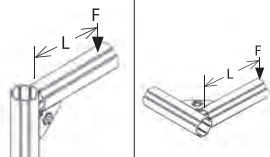
### Rinforzo 45° Lungo / Point Connector Long

GFJ-B80

Slide Load (N)	1400	Moment Load	Length (mm)	Allowable Load (N)	
				Inner Type	Outer Type
			100	950	950
			200	475	475
			300	317	317
			500	190	190
			Allowable Moment (Nm)	95	95


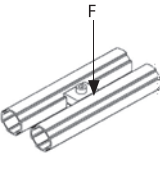
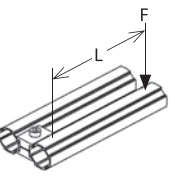
### Rinforzo 45° Ribassato / Corner Bracket

GFJ-032

Slide Load (N)	1400	Moment Load	Length (mm)	Allowable Load (N)	
				Vertical	Horizontal
			100	160	75
			200	80	38
			300	53	25
			500	32	15
			Allowable Moment (Nm)	16	7.5

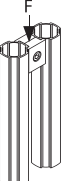
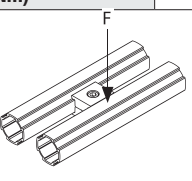
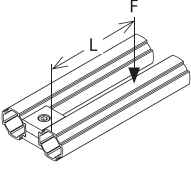
**Connettore parallelo / Double Connector C Kit**

GFJ-A45

<b>Slide Load (N)</b>	<b>600</b>	<b>Pull-out Load (N)</b>	<b>275</b>	<b>Moment Load</b>	<b>Length (mm)</b>	<b>Allowable Load (N)</b>
				<b>Apply on the Side</b>		<b>Apply on the Side</b>
					100	85
					200	43
					300	28
					500	17
					<b>Allowable Moment (Nm)</b>	8.5

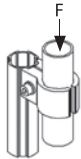


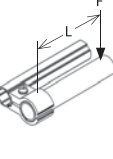
**Connettore parallelo P15 / Double Connector P15**

GFJ-A95

<b>Slide Load (N)</b>	<b>300</b>	<b>Moment Load</b>	<b>400</b>	<b>Moment Load</b>	<b>Length (mm)</b>	<b>Allowable Load (N)</b>
		<b>Allowable Moment (Nm)</b>	<b>8</b>	<b>Apply on the Side</b>		<b>Apply on the Side</b>
					100	72
					200	36
					300	24
					500	14
					<b>Allowable Moment (Nm)</b>	7.2


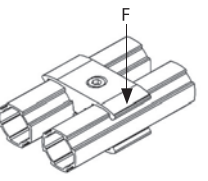
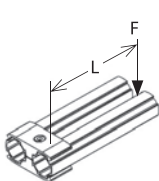
**Connettore per Tubo / Pipe Holder**

GFA-001

<b>Slide Load (N)</b>	<b>280</b>	<b>Vertical</b>	<b>Horizontal</b>	<b>Vert.</b>	<b>Horiz.</b>	<b>Moment Load</b>	<b>Length (mm)</b>	<b>Allowable Load (N)</b>
				<b>Allowable Load (N)</b>	290	370		100
				<b>Allowable Moment (Nm)</b>	23.2	30.8		200
								300
								500
								<b>Allowable Moment (Nm)</b>
								10



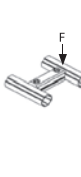
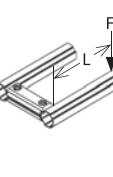
**Connettore Parallelo HD / HD Parallel Holder**

GFJ-A47

<b>Slide Load (N)</b>	<b>960</b>	<b>Moment (Nm)</b>	<b>500</b>	<b>Moment Load</b>	<b>Length (mm)</b>	<b>Allowable Load (N)</b>
				<b>Apply on the Side</b>		<b>Apply on the Side</b>
					100	180
					200	90
					300	60
					500	36
					<b>Allowable Moment (Nm)</b>	18


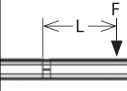
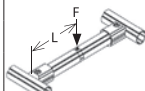
**Connettore a Ponte / Bridge Connector**

GFJ-A00

<b>Slide Load (N)</b>	<b>900</b>	<b>Vertical</b>	<b>Horizontal</b>	<b>Vert.</b>	<b>Horiz.</b>	<b>Moment Load</b>	<b>Length (mm)</b>	<b>Allowable Load (N)</b>
				<b>Allowable Load (N)</b>	180	140		100
				<b>Allowable Moment (Nm)</b>	16	12.5		200
								300
								500
								<b>Allowable Moment (Nm)</b>
								8.5

**Connettore Lineare / Straight Connector**

GFJ-A17

<b>Pull-out Load (N)</b>	<b>1000</b>	<b>Moment Load</b>	<b>Length (mm)</b>	<b>Allowable Load (N)</b>	
		<b>Cantilever</b>		<b>Cantilever</b>	<b>Both Ends</b>
			100	130	800
			200	65	400
			300	43	267
			500	26	160
			<b>Allowable M. (Nm)</b>	13	80

# Portata Connettori (GF-N)

## Connectors load data (GF-N)

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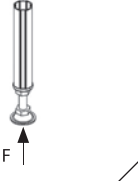

V 4.0

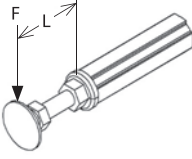
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### Bussola M12 / Foot Connector M12

GFN-E02

Compression Load	Resin	1250	Compression Load	Resin	1250
	Conductive Resin	500		Conductive Resin	500

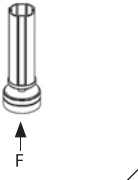
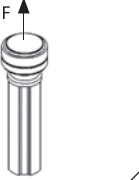



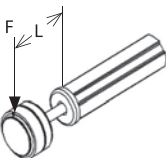
Moment Load	Length (mm)	Allowable Load (N)
	100	620
	200	310
	300	207
	500	124
	Allowable Moment (Nm)	

### Bussola M8 / Foot Connector M8

GFN-E01

Compression Load (N)	1200	Pull-out Load (N)	39
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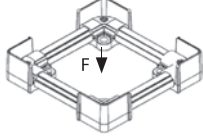



Moment Load	Length (mm)	Allowable Load (N)
	100	50
	200	25
	300	17
	500	10
	Allowable Moment (Nm)	

### Connettore Angolare per carrelli / Palette Connector

GFJ-A13

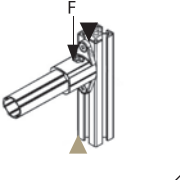
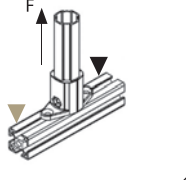
Compression Load (N)	3250
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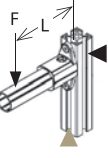
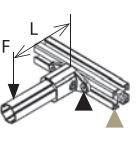


### Base di appoggio / Stand Connector

GFJ-A36

Slide Load (N)	600	Pull-out Load (N)	240
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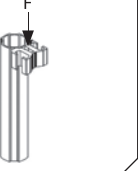
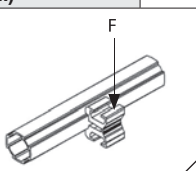



Moment Load		Length (mm)	Allowable Load (N)	
Vertical	Horizontal		Vertical	Horizontal
		100	700	500
		200	350	250
		300	233	167
		500	140	100
		Allowable Moment (Nm)		70

### Fissaggio Pannello A / Boards Holder A

GFJ-A22

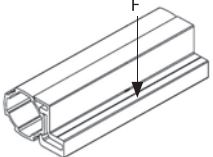
Slide Load (N)	250	Moment Load (N)	260
		Allowable Moment (Nm)	13

### Fissaggio Pannello F / Boards Holder F

GFJ-A01

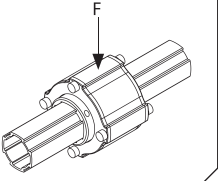
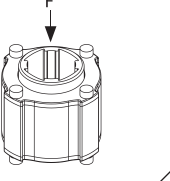
Load Capacity (N)	400
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### Conn. rotante a cuscinetti / Rotating Connector

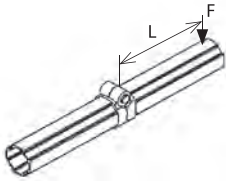
GFJ-A94

Radial	450	Thrust	750
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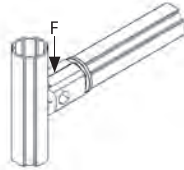





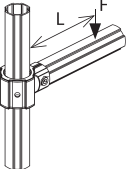
**Connettore Richiudibile / Folding connector** **GFJ-247**

Allowable Moment (Nm)	9
	

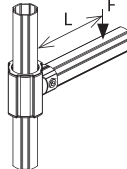
**Connettore Girevole / Pin connector** **GFJ-B58**

Slip load (N)	800
	

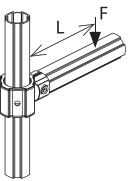
**Conn. Rotante / Scorrevole / Hinge Connector** **GFJ-A04**

Moment Load	Length (mm)	Allowable Load (N)
	100	180
	200	90
	300	60
	500	36
Allowable Moment (Nm)	18	

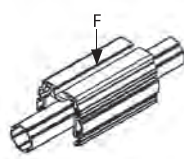
**Connettore Rotante / Scorrevole G / Hinge Connector G** **GFJ-A07**

Moment Load	Length (mm)	Allowable Load (N)
	100	180
	200	90
	300	60
	500	36
Allowable Moment (Nm)	18	

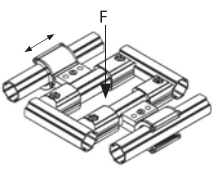
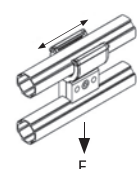
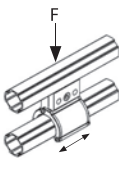
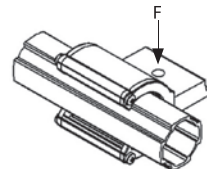
**Conn. Rotante / Scorr. Hard / Hinge Conn. Hard** **GFJ-A88**

Moment Load	Length (mm)	Allowable Load (N)
	100	640
	200	320
	300	213
	500	128
Allowable Moment (Nm)	64	


**Carrello Scorrevole / Linear Slider** **GFF-M05 + GFW-437**

Load capacity (N)	50
	


**Connettore Scorrevole / Slider Connector** **GFJ-A38**

Slide Properties (Using 2 pcs) (N)	10	Slide Properties (Bottom Load)	40	Slide Properties (Top Load)	20	Moment Load (N)	20
							
Allowable Moment (Nm)						2.2	

**Bloccaggio per connettore / Hinge Connector Stopper** **GFJ-A09**

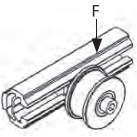
Allowable Moment (Nm)	350
	

**Bloccaggio per connettore Hard / Hinge Connector Stopper Hard** **GFJ-A61**

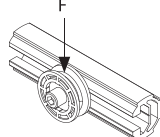
Slip load (N)	750
	

**Coppia di serraggio 1.5 Nm / Tightening Torque 1.5 Nm**

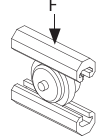
**Kit Rullo GF** **GFW-948**  
GF Roller Kit

Load Capacity (N)	150
	

**Kit Puleggia** **GFK-910**  
Resin Idler Kit

Load Capacity (N)	30
	

**Rullo L40** **SFA-809**  
Slot Roller L40

Load Capacity (N)	150
	

# Portata Connettori (GF-N)

## Connectors load data (GF-N)

SUS

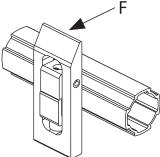
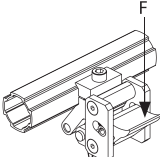
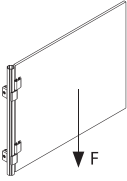
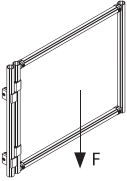
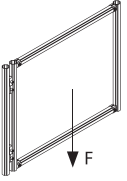
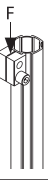
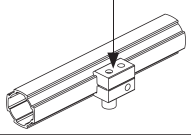
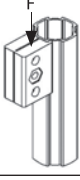
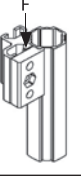

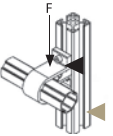
LEAN GREEN FACTORY CATALOGUE

G

SEZIONE - SECTION

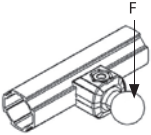
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<b>Buffer anti-ritorno GF / Non-return Conveyor</b> <b>GFK-N05</b>		<b>Blocco di Sollevamento / Elevation Lock</b> <b>GFK-N06</b>			
<b>Load Capacity (N)</b>	<b>200</b>	<b>Load Capacity (N)</b>	<b>200</b>		
					
<b>Cerniera P-L/R</b> <b>GFP-000/GFP-004</b> Hinge P-L/R		<b>Cerniera F-L/R</b> <b>GFP-005/GFP-007</b> Hinge F-L/R		<b>Cerniera In / Out L/R</b> <b>GFP-012/GFP-013</b> In / Out Hinge L/R	
<b>Allowable Moment (Nm)</b>	<b>4.5</b>	<b>Allowable Moment (Nm)</b>	<b>4.5</b>	<b>Allowable Moment (Nm)</b>	<b>3</b>
					
<b>Connettore Universale Compatto</b> <b>GFJ-B09</b> Connector Piece Compact		<b>Connettore Universale Laterale Compatto</b> <b>GFJ-B18</b> Connector Piece Compact (Side)			
<b>Slide Load (N)</b>	<b>260</b>	<b>Moment Load (N)</b>	<b>500</b>	<b>Slide Load (N)</b>	<b>260</b>
		<b>Allowable Moment (Nm)</b>	<b>5.75</b>		
<b>Connettore Universale</b> <b>GFJ-A31</b> Connector Piece		<b>Fissaggio C8</b> <b>GFA-000</b> Part Holder			
<b>Slide Load (N)</b>	<b>410</b>	<b>Moment Load (N)</b>	<b>260</b>	<b>Slide Load (N)</b>	<b>230</b>
		<b>Allowable Moment (Nm)</b>	<b>6</b>		
<b>Fissaggio C6 / SS Slot Assist</b> <b>GFQ-017</b>		<b>Connettore Off-set / Off-set Connector</b> <b>GFJ-A35</b>			
<b>Slide Load (N)</b>	<b>250</b>	<b>Slide Load (N)</b>	<b>195</b>		
					
		▶ 2-Hexagon Socket Cap Screw M5 ▶ SF			

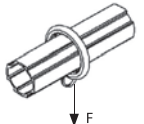
**Connettore a Sfera / Free Connector Fixed Side** **GFJ-A52**

**Moment Load (N)** **400**



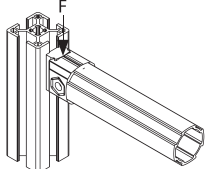
**Anello Scorrevole / Ring Runner** **GFA-A06**

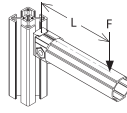
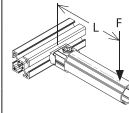
**Load Capacity (N)** **10**



**Connettore GF-GFQ C8 / GF-GFQ Connector C8** **GFA-603**

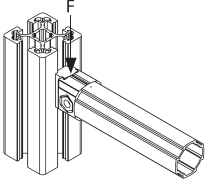
**Slide Load (N)** **583**

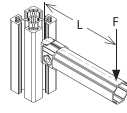
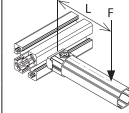


Moment Load		Length (mm)	Allowable Load (N)	
Vertical	Horizontal		Vertical	Horizontal
		100	101	41
		200	51	21
		300	33	14
		500	20	8
		Allowable Moment (Nm)	10.1	4.1

**Connettore GF-GFQ C10 / GF-GFQ Connector L Slot** **GFA-607**

**Slide Load (N)** **852**



Moment Load		Length (mm)	Allowable Load (N)	
Vertical	Horizontal		Vertical	Horizontal
		100	115	49
		200	58	25
		300	38	16
		500	23	10
		Allowable Moment (Nm)	11.5	4.9



# Portata Connettori (GF-G)

## Connectors load data (GF-G)

SUS

LEAN GREEN FACTORY CATALOGUE

G

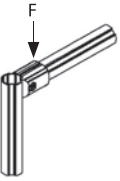
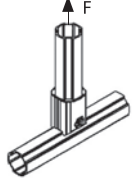
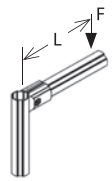
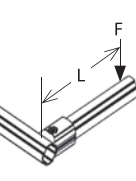
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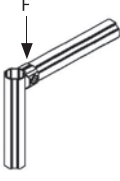
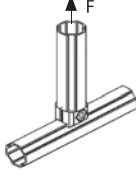
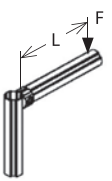
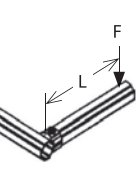
Connettore 90° Esterno G / Multi Connector Outer Type G

GFJ-014

<b>Slide Load (N)</b>	2500	<b>Pull-out Load (N)</b>	690	<b>Moment Load</b>		<b>Length (mm)</b>	<b>Allowable Load (N)</b>	
				<b>Vertical</b>	<b>Horizontal</b>		<b>Vertical</b>	<b>Horizontal</b>
						100	660	150
						200	330	75
						300	220	60
						500	132	30
						<b>Allowable Moment (Nm)</b>	66	15

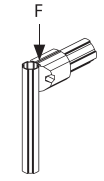
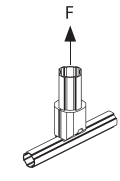
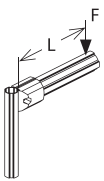
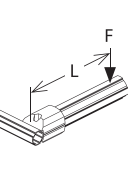
Connettore 90° Interno G / Multi Connector Inner Type G

GFJ-209

<b>Slide Load (N)</b>	1700	<b>Pull-out Load (N)</b>	1000	<b>Moment Load</b>		<b>Length (mm)</b>	<b>Allowable Load (N)</b>	
				<b>Vertical</b>	<b>Horizontal</b>		<b>Vertical</b>	<b>Horizontal</b>
						100	500	300
						200	250	150
						300	167	100
						500	100	60
						<b>Allowable Moment (Nm)</b>	50	30

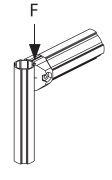
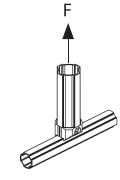
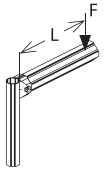
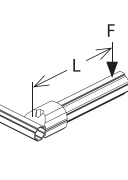
Connettore 90° Esterno G-N / Multi Connector Outer Type G-N

GFJ-022

<b>Slide Load (N)</b>	1100	<b>Pull-out Load (N)</b>	561	<b>Moment Load</b>		<b>Length (mm)</b>	<b>Allowable Load (N)</b>	
				<b>Vertical</b>	<b>Horizontal</b>		<b>Vertical</b>	<b>Horizontal</b>
						100	540	110
						200	270	55
						300	180	37
						500	108	22
						<b>Allowable Moment (Nm)</b>	54	11

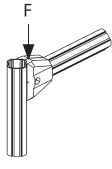
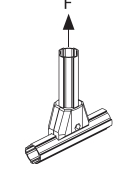
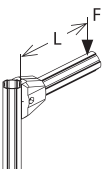
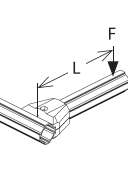
Connettore 90° Interno G-N / Multi Connector Inner Type G-N

GFJ-224

<b>Slide Load (N)</b>	1200	<b>Pull-out Load (N)</b>	839	<b>Moment Load</b>		<b>Length (mm)</b>	<b>Allowable Load (N)</b>	
				<b>Vertical</b>	<b>Horizontal</b>		<b>Vertical</b>	<b>Horizontal</b>
						100	410	130
						200	205	65
						300	137	43
						500	82	26
						<b>Allowable Moment (Nm)</b>	41	13

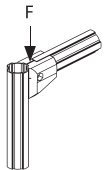
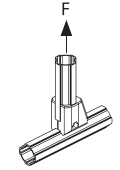
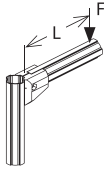
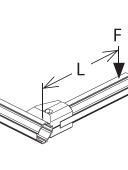
Connettore 90° Esterno GM / Multi Connector Outer Type GM

GFJ-028

<b>Slide Load (N)</b>	1150	<b>Pull-out Load (N)</b>	530	<b>Moment Load</b>		<b>Length (mm)</b>	<b>Allowable Load (N)</b>	
				<b>Vertical</b>	<b>Horizontal</b>		<b>Vertical</b>	<b>Horizontal</b>
						100	2400	350
						200	1200	175
						300	799	117
						500	480	70
						<b>Allowable M. (Nm)</b>	240	35

Connettore 90° Esterno GH / Multi Connector Inner Type GH

GFJ-031

<b>Slide Load (N)</b>	1300	<b>Pull-out Load (N)</b>	800	<b>Moment Load</b>		<b>Length (mm)</b>	<b>Allowable Load (N)</b>	
				<b>Vertical</b>	<b>Horizontal</b>		<b>Vertical</b>	<b>Horizontal</b>
						100	1500	250
						200	750	125
						300	495	83
						500	300	50
						<b>Allowable M. (Nm)</b>	150	25

**Connettore Esterno angolo 90° G / Angle Connector Outer Type G**

GFJ-016

<b>Pull-out Load (N)</b>	<b>260</b>	<b>Moment Load</b>		<b>Length (mm)</b>	<b>Allowable Load (N)</b>	
		<b>Vertical</b>	<b>Horizontal</b>		<b>Vertical</b>	<b>Horizontal</b>
				100	1700	90
				200	850	45
				300	567	30
				500	340	18
				<b>Allowable Moment (Nm)</b>		170

**Connettore Interno snodato G / Free Connector Inner Type G**

GFJ-228

<b>Slide Load (N)</b>	<b>1000</b>	<b>Pull-out Load (N)</b>	<b>700</b>	<b>Moment Load</b>		<b>Length (mm)</b>	<b>Allowable Load (N)</b>		
						100	100		
						200	50		
						300	33		
						500	20		
								<b>Allowable Moment (Nm)</b>	10

**Connettore lineare G / Straight Connector G**

GFJ-B41

<b>Pull-out Load (N)</b>	<b>1000</b>	<b>Moment Load</b>		<b>Length (mm)</b>	<b>Allowable Load (N)</b>	
					<b>Vertical</b>	<b>Horizontal</b>
				100	130	800
				200	65	400
				300	43	267
				500	26	160
						<b>Allowable Moment (Nm)</b>

**Connettore 45° Esterno G / 45° Connector Outer Type G**

GFJ-024

<b>Slide Load (N)</b>	<b>900</b>	<b>Pull-out Load (N)</b>	<b>600</b>	<b>Moment Load</b>		<b>Length (mm)</b>	<b>Allowable Load (N)</b>		
						100	440		
						200	220		
						300	147		
						500	88		
								<b>Allowable Moment (Nm)</b>	44

**Bussola M16 G / Foot Connector M16 G**

GFN-E05

<b>Compression Load (N)</b>	<b>5800</b>	<b>Pull-out Load (N)</b>	<b>320</b>	<b>Moment Load</b>		<b>Length (mm)</b>	<b>Allowable Load (N)</b>		
						100	55		
						200	28		
						300	18		
						500	11		
								<b>Allowable Moment (Nm)</b>	5.5

**Fissaggio pannelli G Esterno**  
Boards Holder G Outer

GFJ-A33

<b>Slide Load (N)</b>	<b>150</b>	<b>Allowable Moment (Nm)</b>	<b>8</b>

**Fissaggio pannelli G Interno**  
Boards Holder G Inner

GFJ-A34

<b>Slide Load (N)</b>	<b>90</b>	<b>Allowable Moment (Nm)</b>	<b>6</b>

# Portata Connettori (GF-S)

## Connectors load data (GF-S)

SUS

LEAN GREEN FACTORY CATALOGUE

G

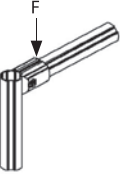
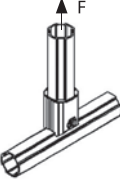
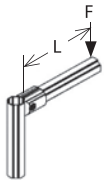
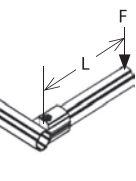
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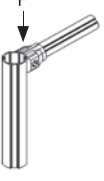
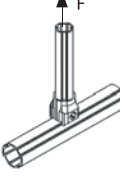

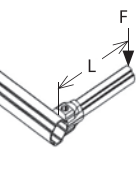
Connettore 90° Esterno S / Multi Connector Outer Type S

GFJ-018

Slide Load (N)	280	Pull-out Load (N)	400	Moment Load		Length (mm)	Allowable Load (N)	
				Vertical	Horizontal		Vertical	Horizontal
						100	30	12
						200	15	6
						300	10	4
						500	6	2
						Allowable Moment (Nm)	3	1.2


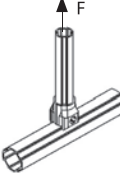
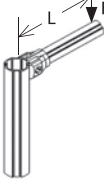
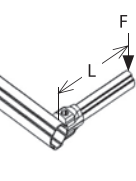
Connettore 90° Interno S / Multi Connector Inner Type S

GFJ-B66

Slide Load (N)	360	Pull-out Load (N)	300	Moment Load		Length (mm)	Allowable Load (N)	
				Vertical	Horizontal		Vertical	Horizontal
						100	30	12
						200	15	6
						300	10	4
						500	6	2
						Allowable Moment (Nm)	3	1.2

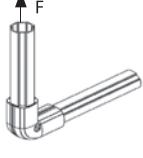
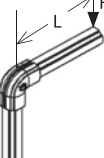
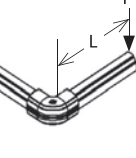
Connettore 90° GF-S / GF / GF-S / GF Connector

GFJ-020

Slide Load (N)	280	Pull-out Load (N)	500	Moment Load		Length (mm)	Allowable Load (N)	
				Vertical	Horizontal		Vertical	Horizontal
						100	40	25
						200	20	13
						300	13	8
						500	8	5
						Allowable Moment (Nm)	4	2.5

Connettore Esterno angolo 90° S / Angle Connector Outer Type S

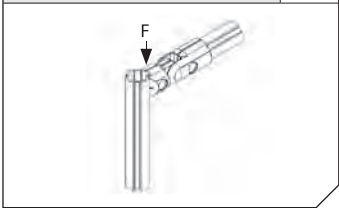
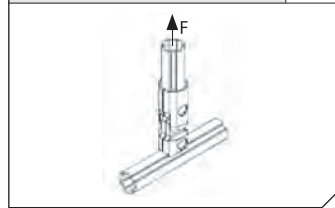
GFJ-046

Pull-out Load (N)	130	Moment Load / Moment Load		Length (mm)	Allowable Load (N)	
		Vertical	Horizontal		Vertical	Horizontal
				100	90	50
				200	45	25
				300	30	17
				500	18	10
				Allowable Moment (Nm)	9	5



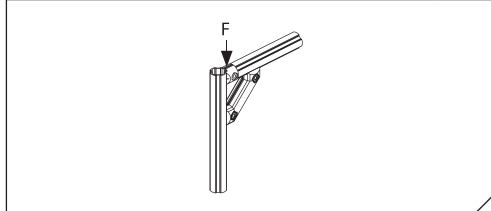
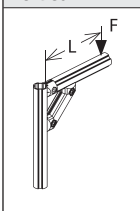
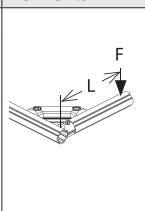
**Connettore Esterno snodato S / Free Connector Outer Type S**

**GFJ-041**

<b>Slide Load (N)</b>	<b>280</b>	<b>Pull-out Load (N)</b>	<b>400</b>
			

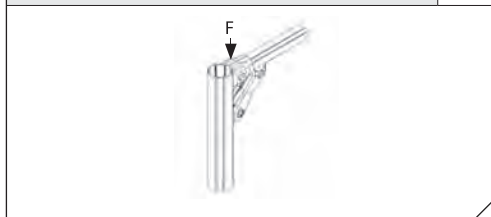
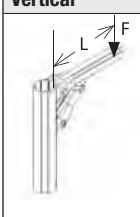
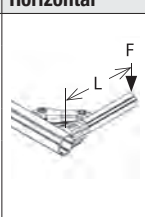
**Rinforzo 45° S / Point Connector S**

**GFJ-A72**

<b>Pull-out Load (N)</b>	<b>535</b>	<b>Moment Load</b>		<b>Length (mm)</b>	<b>Allowable Load (N)</b>			
		<b>Vertical</b>	<b>Horizontal</b>		<b>Vertical</b>	<b>Horizontal</b>		
						<b>100</b>	<b>170</b>	<b>15</b>
		<b>200</b>	<b>85</b>	<b>7.5</b>				
		<b>300</b>	<b>57</b>	<b>5</b>				
		<b>500</b>	<b>34</b>	<b>3</b>				
		<b>Allowable Moment (Nm)</b>	<b>17</b>	<b>1.5</b>				

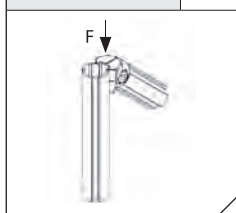
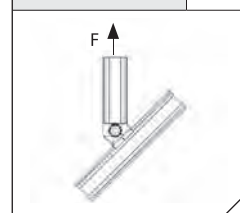
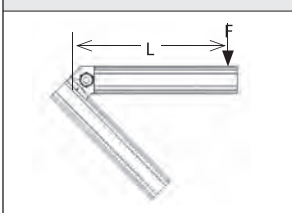
**Rinforzo 45° S / GF-N / Point Connector S / GF-N**

**GFJ-B89**

<b>Pull-out Load (N)</b>	<b>535</b>	<b>Moment Load</b>		<b>Length (mm)</b>	<b>Allowable Load (N)</b>			
		<b>Vertical</b>	<b>Horizontal</b>		<b>Vertical</b>	<b>Horizontal</b>		
						<b>100</b>	<b>170</b>	<b>40</b>
		<b>200</b>	<b>85</b>	<b>20</b>				
		<b>300</b>	<b>57</b>	<b>13</b>				
		<b>500</b>	<b>34</b>	<b>8</b>				
		<b>Allowable Moment (Nm)</b>	<b>17</b>	<b>4</b>				

**Connettore 45° Interno S / 45° Connector Inner type S**

**GFJ-248**

<b>Slide Load (N)</b>	<b>280</b>	<b>Pull-out Load (N)</b>	<b>360</b>	<b>Moment Load</b>		<b>Length (mm)</b>	<b>Allowable Load (N)</b>
						<b>100</b>	<b>30</b>
				<b>200</b>	<b>15</b>		
				<b>300</b>	<b>10</b>		
				<b>500</b>	<b>6</b>		
				<b>Allowable Moment (Nm)</b>	<b>3</b>		

# Portata Connettori (GF-S)

## Connectors load data (GF-S)

SUS

LEAN GREEN FACTORY CATALOGUE

G

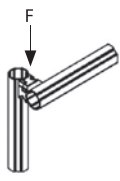
SEZIONE - SECTION

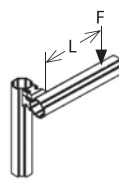
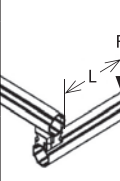
V 4.0

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### Connettore a croce S / Cross Connector S

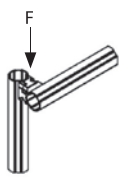
GFJ-B55

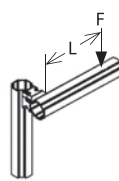
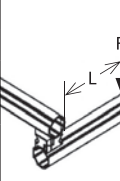
<b>Pull-out Load (N)</b>	<b>535</b>
	

Moment Load		Length (mm)	Allowable Load (N)	
Vertical	Horizontal		Vertical	Horizontal
		100	20	20
		200	10	10
		300	7	7
		500	4	4
Allowable Moment (Nm)			2	2

### Connettore a croce S / GF-N / Cross Connector S / GF-N


GFJ-B26

<b>Pull-out Load (N)</b>	<b>650</b>
	

Moment Load		Length (mm)	Allowable Load (N)	
Vertical	Horizontal		Vertical	Horizontal
		100	80	30
		200	40	15
		300	27	10
		500	16	6
Allowable Moment (Nm)			8	3

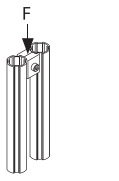
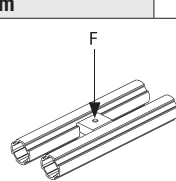
### Connettore a croce rotante S / Cross Connector Rotating S

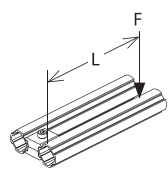
GFJ-B77

<b>Pull-out Load (N)</b>	<b>300</b>
	

### Connettore parallelo S / Double Connector S


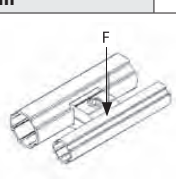
GFJ-A55

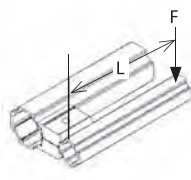
<b>Slide Load (N)</b>	<b>300</b>	<b>Moment Load (N)</b>	<b>90</b>
		<b>Allowable Moment Nm</b>	<b>2</b>
			

Moment Load		Length (mm)	Allowable Load (N)	
Horizontal			Horizontal	
		100	20	
		200	10	
		300	6.6	
		500	4	
		Allowable Moment (Nm)	2	

### Connettore parallelo S / GF-N / Double Connector S / GF-N

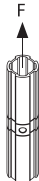
GFJ-B50

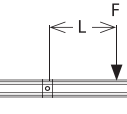
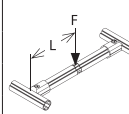
<b>Slide Load (N)</b>	<b>240</b>	<b>Moment Load (N)</b>	<b>259</b>
		<b>Allowable Moment Nm</b>	<b>7</b>
			

Moment Load		Length (mm)	Allowable Load (N)	
Horizontal			Horizontal	
		100	50	
		200	25	
		300	17	
		500	10	
		Allowable Moment (Nm)	5	

**Connettore lineare S / Straight Connector S**



GFJ-A89

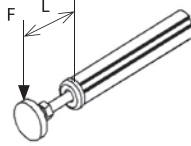
<b>Pull-out Load (N)</b>	<b>440</b>
	

Moment Load		Length (mm)	Allowable Load (N)	
Cantilever	Both Ends		Cantilever	Both Ends
		100	108	205
		200	54	103
		300	36	68
		500	22	41
		<b>Allowable Moment (Nm)</b>	10.8	20.5

**Bussola M6 S / Foot Connector M6 S**

GFN-E07

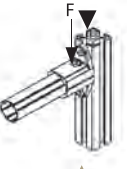
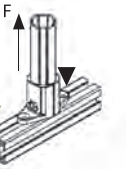
<b>Slide Load (N)</b>	<b>920</b>	<b>Pull-out Load (N)</b>	<b>80</b>
			

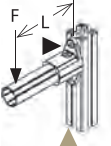
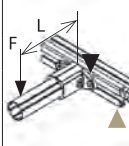
Moment Load		Length (mm)	Allowable Load (N)	
			100	11
		200	6	
		300	4	
		500	2	
		<b>Allowable Moment (Nm)</b>	1.1	

**Base di appoggio S / Stand Connector S**

► **2-Hexagon Socket Head Cap Dish Bolt M5**  
2-Hexagon Socket Head Cap Dish Bolt M5

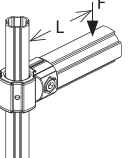
► SF GFJ-B45

<b>Slide Load (N)</b>	<b>780</b>	<b>Pull-out Load (N)</b>	<b>470</b>
			

Moment Load		Length (mm)	Allowable Load (N)	
Vertical	Horizontal		Vertical	Horizontal
		100	112	57
		200	56	29
		300	37	19
		500	22	11
		<b>Allowable Moment (Nm)</b>	11.2	5.7

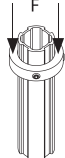
**Connettore Rotante / scorrevole S / Hinge Connector S**

GFJ-A64

Moment Load	Length (mm)	Allowable Load (N)
	100	52
	200	26
	300	17
	500	10.3
	<b>Allowable Moment (Nm)</b>	5.15

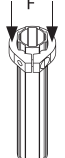
**Bloccaggio per connettore S / Hinge Connector Stopper S**

GFJ-A64

<b>Slide Load (N)</b>	<b>400</b>
	

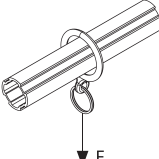
**Bloccaggio per connettore HD S / Hinge Connector Stopper HD S**

GFJ-B95

<b>Slide Load (N)</b>	<b>600</b>
	

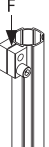
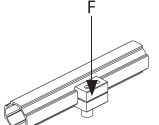
**Anello scorrevole S / Ring Runner S**

GFJ-A32

<b>Load Capacity (N)</b>	<b>24.5</b>
	

**Connettore universale compatto (Laterale) S**

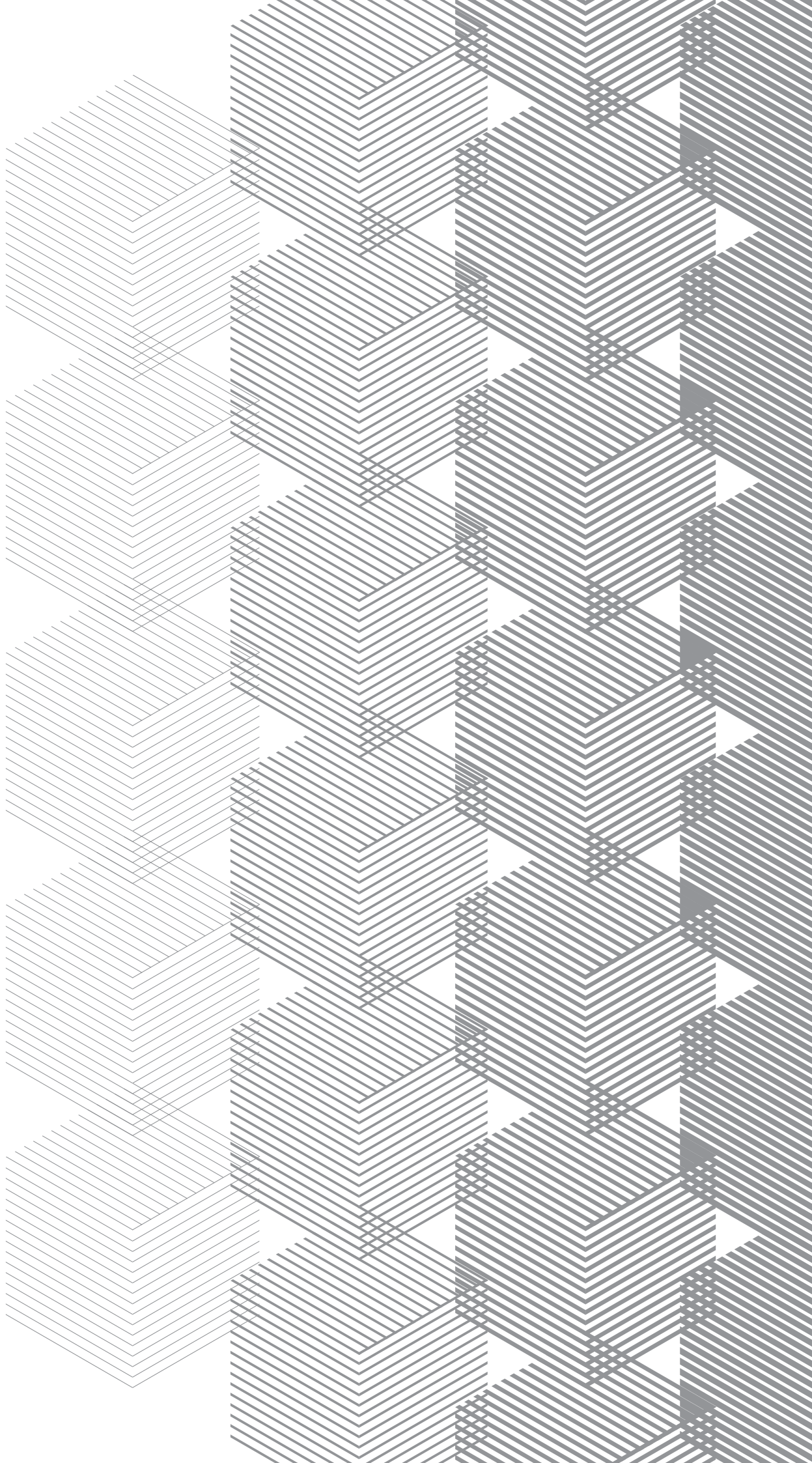
GFJ-B70 GFJ-B71

<b>Slide Load (N)</b>	<b>260</b>	<b>Moment Load (N)</b>	<b>339</b>
			
		<b>Allowable Moment (Nm)</b>	<b>2</b>

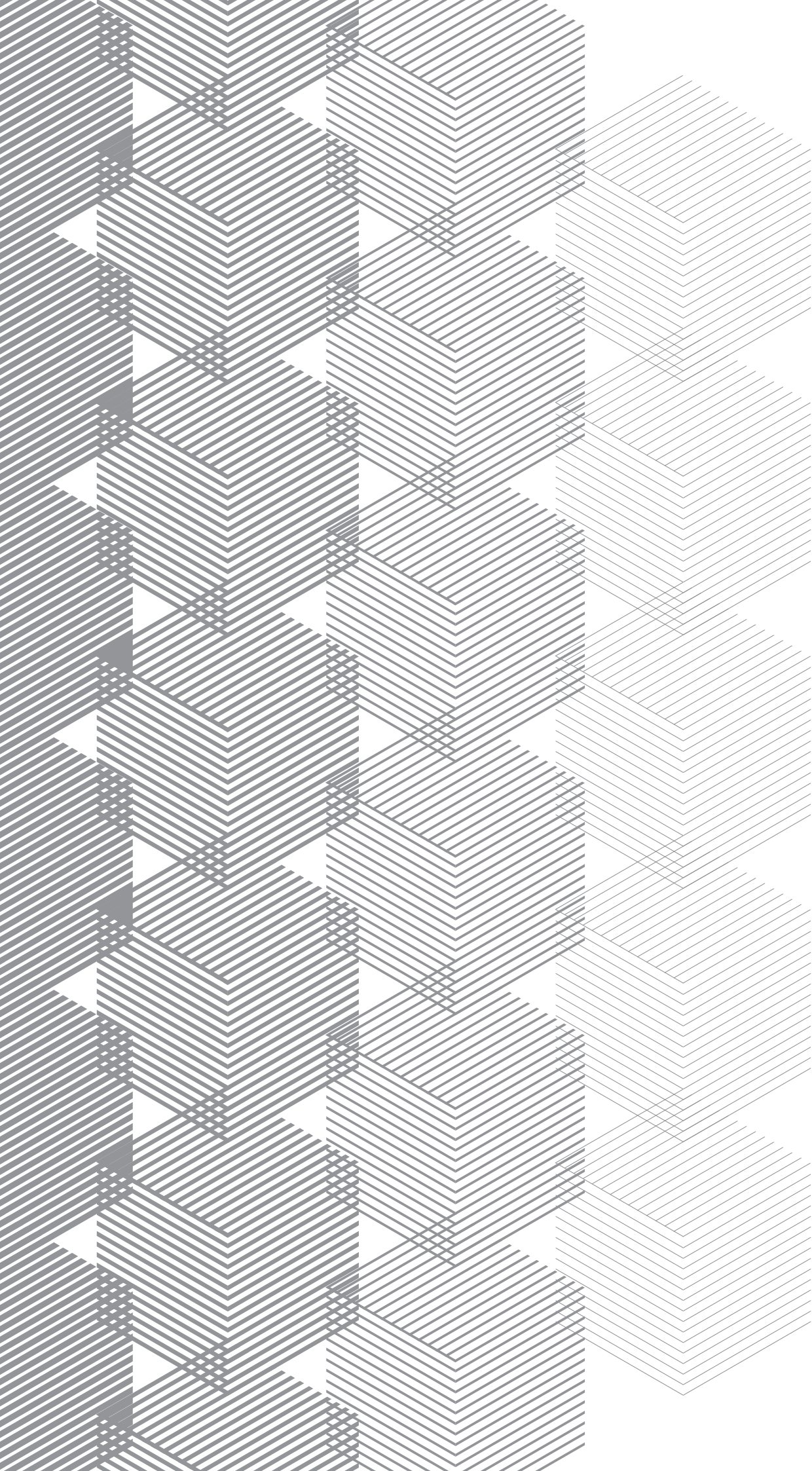












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# Condizioni generali di vendita

## General sales conditions

**NOTE GENERALI:** Tutte le forniture e prestazioni di LeanProducts srl sono soggette all'accettazione da parte del cliente delle condizioni generali di vendita e consegna di seguito elencate. Nessuna deroga alle condizioni di seguito indicate sarà valida salvo nostra esplicita dichiarazione. Le specifiche tecniche dei nostri prodotti indicate sulla nostra documentazione ufficiale sono puramente indicative: LeanProducts srl si riserva il diritto di apportare senza preavviso tutte le modifiche necessarie a migliorarne le prestazioni. La venditrice offre altresì agli acquirenti la possibilità di acquistare articoli in esecuzione particolare come indicato in catalogo ovvero realizzati su espressa richiesta, indicazione e/o disegno del cliente. Riguardo ai beni suddetti le parti concorderanno di volta in volta prezzo e modalità di realizzazione e consegna, per tutto quanto non espressamente regolato dalle parti il contratto sarà disciplinato dalle presenti condizioni generali di vendita.

**OFFERTE, PREZZI E LISTINI:** I prezzi indicati nelle nostre offerte e listini si riferiscono alla fornitura di componenti o materiali con l'esclusione di manodopera per il montaggio, messa in opera, collaudo o manutenzione, salvo differente accordo comunicato per iscritto. Alcuni articoli potranno godere di uno sconto in funzione della quantità. Le nostre offerte hanno una validità massima di 30 giorni se non diversamente concordato. I nostri prezzi sono espressi in Euro, IVA esclusa, e si intendono per la merce resa franco fabbrica con imballo standard per il trasporto. Imballi speciali devono venire espressamente richiesti e non sono inclusi nei suddetti prezzi. LeanProducts srl si riserva il diritto di modificare i prezzi a proprio insindacabile giudizio anche senza comunicazione.

**ORDINI:** L'ordine d'acquisto è impegnativo per la venditrice solo dopo la ricezione della conferma d'ordine, firmata dall'acquirente. LeanProducts srl si impegna a rispettare le condizioni indicate in presenza di un'accettazione scritta confermata. Gli ordini trasmessi al personale di vendita di LeanProducts srl si intendono accettati solo dopo la convalida della direzione di LeanProducts srl previa ricezione della conferma d'ordine.

**CONSEGNA:** Tempi di consegna per materiale a magazzino 2/3 gg. lavorativi; per materiale non a magazzino 8/10 gg. lavorativi; per prodotti personalizzati da 3 gg. a max 20/25 gg. lavorativi. LeanProducts srl si impegna a rispettare i tempi di consegna pattuiti. Eventuali ritardi dovuti a forza maggiore o altre motivazioni non giustificano l'annullamento dell'ordine né giustificano la richiesta di indennità da parte del cliente. LeanProducts srl non accetta l'applicazione di penali o sanzioni sui ritardi rispetto ai tempi di consegna pattuiti. LeanProducts srl ritiene autorizzate consegne parziali della merce in ordine, salvo diversamente disposto dal cliente.

**PAGAMENTI:** Le fatture emesse da LeanProducts srl sono pagabili secondo le modalità stabilite ed accettate all'ordine. In caso di ritardo ingiustificato nel pagamento LeanProducts srl si riserva il diritto di applicare un tasso di interesse sulla cifra dovuta (D.L. 231/2002 Art. 5 comma 2). La venditrice si riserva espressamente la facoltà di richiedere un acconto all'ordine per prima fornitura o prodotti personalizzati. Per tali forniture, i tempi di consegna decorreranno dal ricevimento della copia di pagamento effettuato.

**MINIMO DI FATTURAZIONE:** L'importo minimo netto per ogni singolo ordine è di Euro 100,00 (cento euro). Importi inferiori dovranno essere autorizzati dalla Direzione Commerciale di LeanProducts srl.

**RISERVA DI PROPRIETÀ:** Il diritto di proprietà sul materiale consegnato è valido fino al pagamento totale della fattura relativa.

**SPEDIZIONE:** La resa della merce è franco partenza. Il materiale viaggia a rischio e pericolo del Cliente, salvo diversamente concordato per iscritto. Al momento dell'arrivo a destinazione della merce l'acquirente ha l'onere di verificare la stessa e di annotare sulla bolla di accompagnamento eventuali avarie e/o altri danni rilevati inoltrando immediato reclamo al trasportatore e in copia conoscenza a LeanProducts srl.

**RECLAMI:** Le lamentele relative alla consegna dei prodotti LeanProducts dovranno pervenire in forma scritta non più tardi di 8 giorni dalla ricezione della merce stessa, indicando chiaramente il numero del documento di spedizione della fornitura contestata, sul cui CMR dovrà essere riportato in sintesi l'entità e la descrizione del danno.

**GARANZIA:** Tutti i nostri prodotti godono di una garanzia del produttore che copre i difetti dovuti ai materiali o alla fabbricazione degli stessi. La garanzia si limita alla sostituzione gratuita franco ns. sede del componente riconosciuto difettoso, qualora installato seguendo rigorosamente quanto indicato dal produttore. La sostituzione in garanzia si applica solamente nel caso in cui il prodotto od il componente venga rispedito alla sede di LeanProducts srl senza alcun addebito per trasporto od imballo. LeanProducts srl mette a disposizione i pezzi in sostituzione gratuitamente con resa franco ns. sede.

**TRATTAMENTO DATI PERSONALI:** I dati personali conferiti dall'acquirente e dai suoi referenti verranno trattati unicamente in relazione all'esecuzione degli obblighi strumentali al contratto di vendita. Il conferimento di detti dati personali è facoltativo ma il mancato conferimento comporterà l'impossibilità per LeanProducts srl di adempiere alle obbligazioni connesse al contratto di vendita. I soggetti che potranno venire a conoscenza dei dati personali dell'acquirente e dei suoi referenti saranno il Responsabile del trattamento, domiciliato presso Codesta società, nonché i soggetti terzi incaricati degli aspetti commerciali, amministrativi e logistici connessi al rapporto contrattuale quali ad esempio il vettore e gli eventuali subvettori. L'elenco degli incaricati è conoscibile dall'interessato presso gli uffici di LeanProducts srl titolare del trattamento dati, Via Bassani, 8 Pordenone. Gli interessati potranno, in qualsiasi momento, opporsi al trattamento dei propri dati personali ovvero ottenere rispettivamente la cancellazione, la modifica, l'integrazione e la trasformazione in forma anonima degli stessi. Al termine del trattamento i dati personali degli interessati verranno conservati dal titolare per scopi storico/statistici interni e per l'invio gratuito dei nuovi cataloghi con espressa esclusione di cessione dei dati a terzi.

**FORO COMPETENTE:** Il foro competente per la risoluzione di eventuali controversie è quello di Pordenone (Italia). Le illustrazioni, le foto, i colori, i prezzi e le caratteristiche tecniche degli articoli in catalogo sono da ritenersi indicative e potrebbero subire lievi variazioni.

**GENERAL NOTES:** All supplies and services offered by LeanProducts Srl are subject to acceptance of the general conditions of sale and delivery listed below. No waiver of the requirements listed below will be valid unless our prior statement. The technical specifications of our products listed on our official documents, are indicative: LeanProducts Srl reserves the right to make any necessary changes without notice to improve performance.

The seller also offers buyers the opportunity to purchase items in particular execution as shown in the catalog or made at the express request, indication, and / or customer's design. With regard to such goods parties agree each time the price and mode of implementation and delivery. For all matters not expressly regulated by the parties the contract will be governed by these general conditions of sale.

**OFFERS, PRICES AND PRICE LISTS:** All prices listed in our offers and price lists refer to the supply of components or materials, excluding work for assembly, installation, testing or maintenance, unless otherwise agreed in writing. Some items will enjoy a discount depending on quantity. Our offers are valid for a maximum of 30 days, unless otherwise agreed. Our prices are in Euro, excluding VAT and are for goods delivered Ex works with standard packaging for transport. Special packaging must be explicitly requested and are not included in these prices. LeanProducts Srl reserves the right to change prices at its own discretion also without prior communication.

**ORDERS:** The purchase order is binding for the seller only after receipt of order confirmation, signed by the purchaser. LeanProducts Srl is committed to comply with the conditions set out in the presence of written acceptance confirmed. Orders sent to the sales staff of LeanProducts Srl will be accepted only after validation of the direction of LeanProducts Srl after receipt of order confirmation.

**DELIVERY:** Delivery time for materials in stock is 2 / 3 working days. For material not in stock the delivery is 8 / 10 working days. For a customized product from a minimum of 3 working days to a maximum of 20/25 working days. LeanProducts Srl is committed to respect the agreed delivery time. Any delays due to force majeure or other reasons do not justify the cancellation of the order, nor justify the claim for compensation by the customer. LeanProducts Srl does not accept the application of penalties or sanctions on delays to the agreed delivery time. LeanProducts Srl believes authorized partial deliveries of goods in order, unless otherwise specified by the customer.

**PAYMENTS:** Invoices issued by LeanProducts Srl are payable in the manner prescribed and accepted the order. In case of undue delay in payment, LeanProducts Srl reserves the right to charge a rate of interest on the amount due (DL 231/2002 Article 5, paragraph 2). The seller expressly reserves the right to request an advance order for first delivery or customized products. For these supplies, the delivery time starts from receipt of documents of payment.

**MINIMUM BILLING:** The minimum income for every single order is Euro 100.00 (one hundred euros). Lower amounts must be authorized by the Chief sales manager of LeanProducts Srl.

**RETENTION OF TITLE:** Ownership of the material delivered is valid until full payment of the invoice.

**DELIVERY:** The delivery of the goods is Ex works. The material travels at the risk of the customer, unless otherwise agreed in writing. Upon arrival at the destination of the goods the buyer's responsibility to verify the goods and note any damage on the delivery receipt and / or other damage detected by submitting the complaint to the carrier immediately and a copy to LeanProducts srl.

**COMPLAINTS:** Complaints about the delivery of LeanProducts Srl products, must be received in writing no later than 8 days from the receipt of the goods, clearly indicating the number of the shipping document of the challenged provision, on which CMR will be summarized in the amount and description of the damage.

**WARRANTY:** All our products have a manufacturer's warranty covering defects in materials or manufacturing. The warranty is limited to the free replacement Ex works of the defective component, if installed in strict adherence to what indicated by the manufacturer. The replacement guarantee applies only in cases where the product or the component is returned to the place of LeanProducts Srl without charge for shipping or packing for LeanProducts Srl. LeanProducts Srl provides the pieces in place for free with delivery Ex works.

**PERSONAL DATA:** Personal data submitted by the purchaser and its references will be processed solely in connection with the performance of the obligations instrumental to the contract of sale. The provision of such personal information is optional, but any refusal will prevent LeanProducts Srl to fulfill the obligations associated with the contract of sale. The persons who may become aware of personal data and the buyer's contact will be the data processor, domiciled at this company and third parties in charge of the commercial, administrative and logistics related to contracts such as the carrier. They also have access to personal data only for administrative, accounting and coordination LeanProducts Srl based in Pordenone (Italy). The list of people in charge of data in LeanProducts Srl can be asked to LeanProducts srl, Via Bassani, 8 Pordenone. Interested parties may at any time object to the processing of personal data, respectively, or to obtain the cancellation, modification, integration and transformation into an anonymous form of the same. At the end of the processing the personal data concerned will be kept by the owner for historical / statistical internal use and for sending new catalogs for free, with explicit exclusion of third parties.

**JURISDICTION:** The jurisdiction for the resolution of disputes is to Pordenone (Italy). The illustrations, pictures, colors, prices and specifications of the items in catalog are approximate and may vary slightly.

## CERTIFICAZIONE PER LA QUALITÀ QUALITY CERTIFICATION



## Copyright & Disclaimer

**Le informazioni fornite servono solo alla descrizione del prodotto.**

**Da esse non si può estrapolare una dichiarazione da parte nostra relativa ad una determinata caratteristica o ad un' idoneità per un determinato uso.**

**I dati forniti non esonerano l'utente da proprie valutazioni e controlli.**

**Si deve considerare che i nostri prodotti sono soggetti ad un processo naturale di usura e di invecchiamento.**

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The informations given are only for description purposes.

From these cannot be derived a statement from us on a certain condition or suitability for a particular use.

The data provided does not relieve the customer from doing its own assessments and verifications.

Note that our products are subject to a natural process of deterioration and aging.

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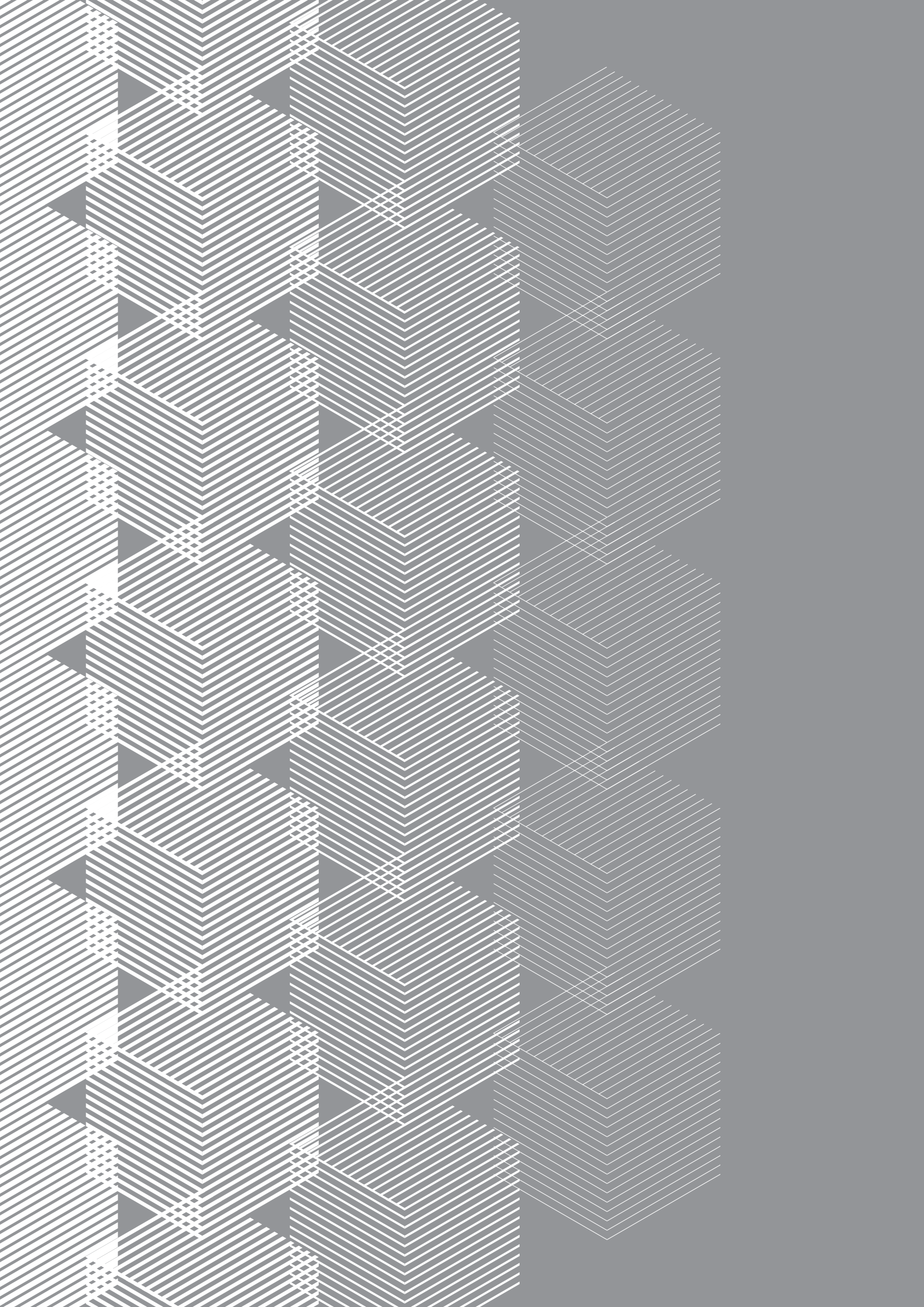
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