

HÄFELE

www.hafeleindia.com

Creativity
moves
Technology

 **ITALIANA**
ferramenta

INSPIRING PRODUCTS

Brought to you by Häfele



Introduction

Dear Customer,

Häfele has pioneered the way interior fittings are sold across the globe for many years now. Being a German company, our foremost concern has always been to offer our customers products that are at the cutting edge of functionality and design; and backed by the highest standards in Customer Service. In our markets, we are increasingly being recognized as a onestop interior specialist brand that can enable functionality for any interior design through a holistic solution offering, be it door hardware, furniture or kitchen fittings, sliding systems, built-in appliances, bathroom solutions, furniture lighting and interior surfaces. Moreover, we have always tried to stay relevant with times through our product offerings, providing the latest and technologically advanced solutions that can enable new interior trends in the market.

Given our tradition and expertise in the understanding of all that goes into building homes, we believe that furniture units are essentially empty carcasses given life, form and functionality through the use of precise hardware fittings. Through this catalogue we present to you the latest range of furniture hardware and accessories by our Partnered Brand - Italiana Ferramenta, an Italian company specializing in production of high-quality accessories and ironmongery for the furniture industry.

The Italiana Ferramenta Furniture Hardware Range by Häfele guarantees long-lasting results, and consists of: shelf supports (connect wooden and glass shelves to the furniture unit / cabinet), shelving systems (provide support for free-standing shelves), connectors (enable complete cabinet construction), levellers (align heavy duty wardrobes, bookcases and modular furniture); apart from the traditional range of hinges, flap fittings and concealed cabinet hangers. Our motivation, through this range, is to provide you with the latest trends that can inspire and enable even the most unimaginable furniture applications.

Häfele India has grown beyond our wildest dreams and we now have offices in most metros in India along with a full-ledge presence in Sri Lanka and Bangladesh. Our staff has more than tripled in the last few years and we will continue to add more talent to our team to provide better and more services to our customers across the sub-continent. Through this, we reinstate our promise to reach our customers with our comprehensive range of products, competent workforce and strategically aligned services at every stage of any construction project. So please enjoy this comprehensive guide for quality hardware fittings and let us have any recommendations in regard to products which you want us to add or any other improvements you would like to see in the services we provide.

As always, the HÄFELE Team is looking forward to being at your service.

Jürgen Wolf.
Managing Director
Häfele South Asia.

Hafele

Reassuring Expertise



"For over 9 decades, we've been helping people make more of their homes."

Established in Germany, and now operating worldwide, we specialise in the fittings, hardware and systems that improve the way your home, works. So when you choose our products as part of your new or reformed home, you know you're getting the benefit of extensive knowledge and decades of experience.

And we're still a family business, owned and managed by family members who really care about the products and service we provide. You can rely on our commitment to the highest standards of quality and reliability, founded on a long tradition of German engineering where attention to detail is second nature.

All our home improvement ideas are built to last – day in, day out – we want you to get the very best from every corner of your home, for many years to come."

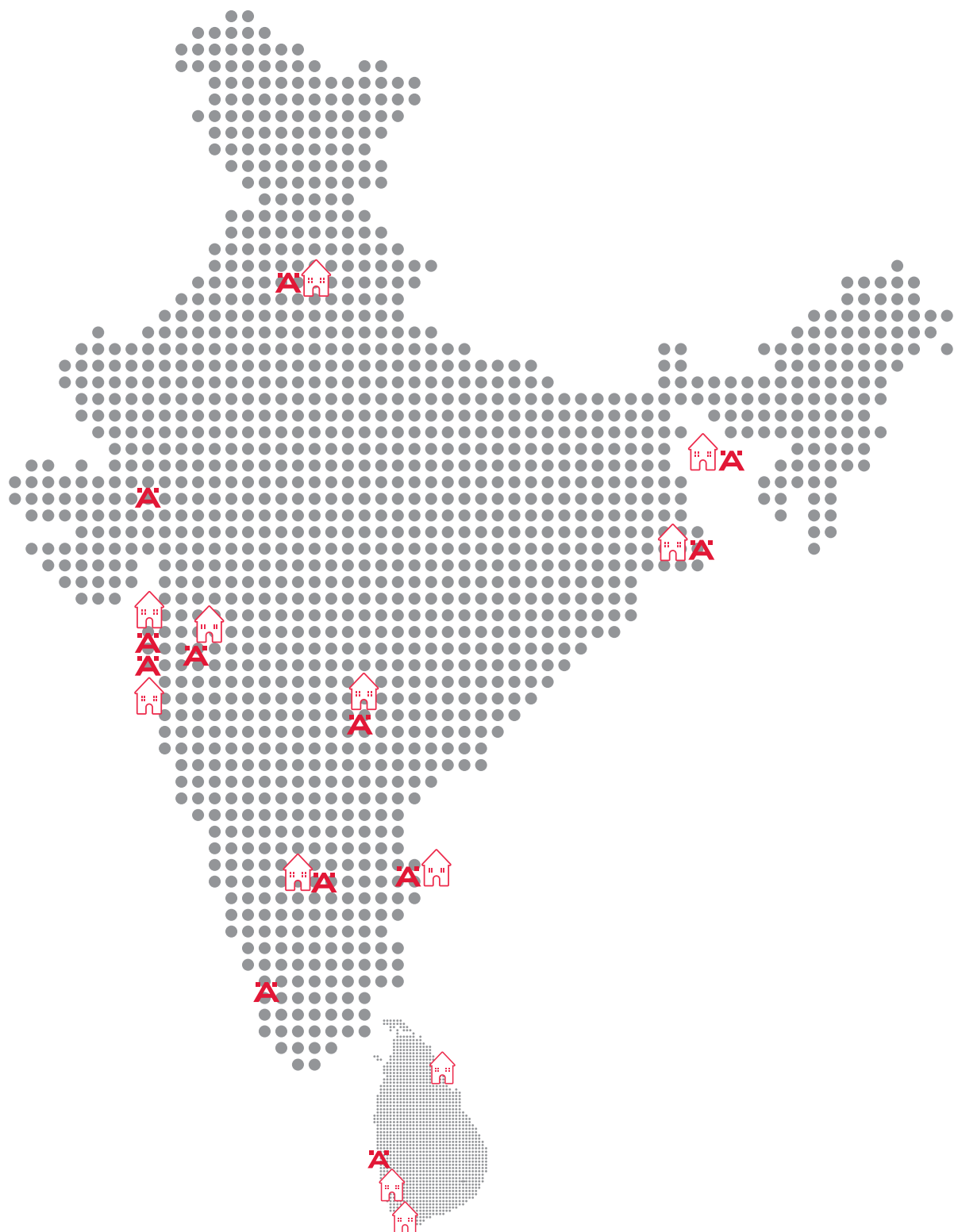
Häfele Worldwide



With its origin in 1923 in a small town named 'Nagold' from the Swabian region of Germany that nurses a passion for hardware technology, it is no surprise that Häfele has lived up to its roots through a successful presence in the architectural and furniture hardware industry for over 9 decades now. Today, Häfele's worldwide penetration includes 38 subsidiaries across Europe, America, Asia, Australia and New Zealand. With these subsidiaries and numerous other sales organisations, Häfele operates in over 150 countries. The Häfele headquarters, 4 manufacturing units and 10 sales offices are located within Germany; while 1 manufacturing unit is located at Budapest, Hungary. The company also owns one of the largest and most sophisticated warehouses in its home country. The Häfele worldwide workforce is empowered by a base of over 8100 employees.

The group services over 150,000 customers across the globe through its extensive range of hardware products and a comprehensive logistics system. In addition to this, Häfele also provides consultative services to its customers, educating and advising them about buying the correct hardware as per their requirements. With this level of market penetration and ability to handle worldwide demand, it comes as no surprise that the company is an authority in the segment of home interior solutions; what is pleasantly surprising, though, is that in spite of its size, Häfele still remains a family owned and run business with a unique, friendly and value-centric work culture which is strongly followed among all its subsidiaries.

Hafele India



 Head Office & Regional Offices

 Hafele Design Showrooms

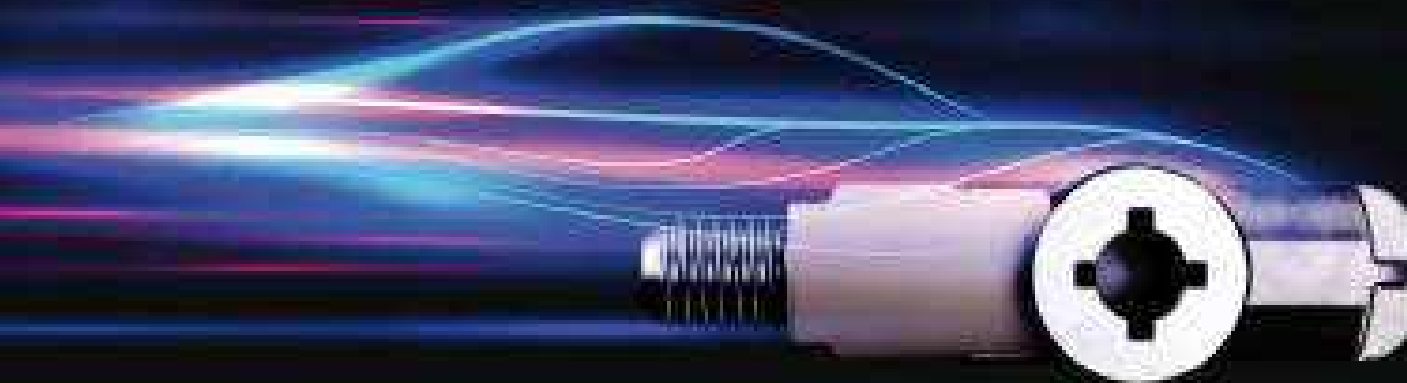


Häfele India is a wholly-owned subsidiary of the Häfele Global network and has been operating in India since 2003 under the leadership of Mr. Jürgen Wolf (Managing Director). The ability of the company to understand the diverse Indian market has made it an authority in the field of architectural hardware, furniture and kitchen fittings and accessories. The company also has a strong presence in synergized product categories namely Home Appliances, Furniture Lighting, Sanitary and Surfaces catering to the focused demand from these industries.

The subsidiary has a strong nation-wide presence with offices in Mumbai, Pune, Ahmedabad, Bangalore, Chennai, Hyderabad, Delhi, Kolkata and Cochin. It has full-scale operations in Sri Lanka and Bangladesh with Regional offices and Design Showrooms in both the countries; and has also spread its operations to other regions of South Asia including Nepal, Bhutan and Maldives.

Häfele's design showrooms are hubs of international home interior trends and cutting edge designs presented in a world-class environment, where customers can see home solutions in their inherent applications. These showrooms function as a one-stop-shop for all home interior and improvement needs - from providing in-depth technical advice to kitchen and wardrobe designing services through a team of experts stationed at the showroom.

Häfele India services its customers with a base of over 1300 employees, a well-networked Franchise base of over 130 shops along with over 1000 dealers situated across South Asia. The subsidiary has a sophisticated Logistics centre in Mumbai along with distribution centres in Delhi, Bangalore, Kolkata and Colombo respectively.

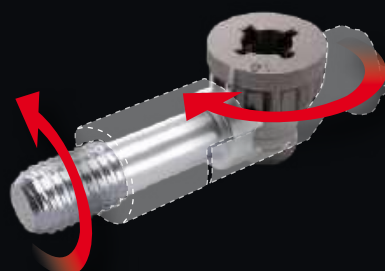


TARGET

The power of fast connecting

Mounting is extremely fast and efficient thanks to the pre-assembling of the panels.

By turning the pinion screw, the threaded dowel makes a synchronized rotation.





Italiana Ferramenta

ITALIANA FERRAMENTA is specialized in the production of high quality accessories and ironmongery for the furniture industry. Thanks to its flexible and dynamic structure, ITALIANA FERRAMENTA can be considered as a qualified partner able to suggest valid solutions to the problems of furniture assembly. Moreover ITALIANA FERRAMENTA can guarantee its customers the possibility of using products that have an important characteristic: diversity.

ELEFANT



LIKU



KIMANA

GOOD DESIGN
AWARD 2012

SECRET

BEST OF THE BEST at:



LIBRA



ATACAMA J



LIKU



KIMANA



SECRET



TARGET J10



ANTI-TURNOVER LOCKING DEVICE



Research And Development



Italiana Ferramenta takes pride in checking every small detail.

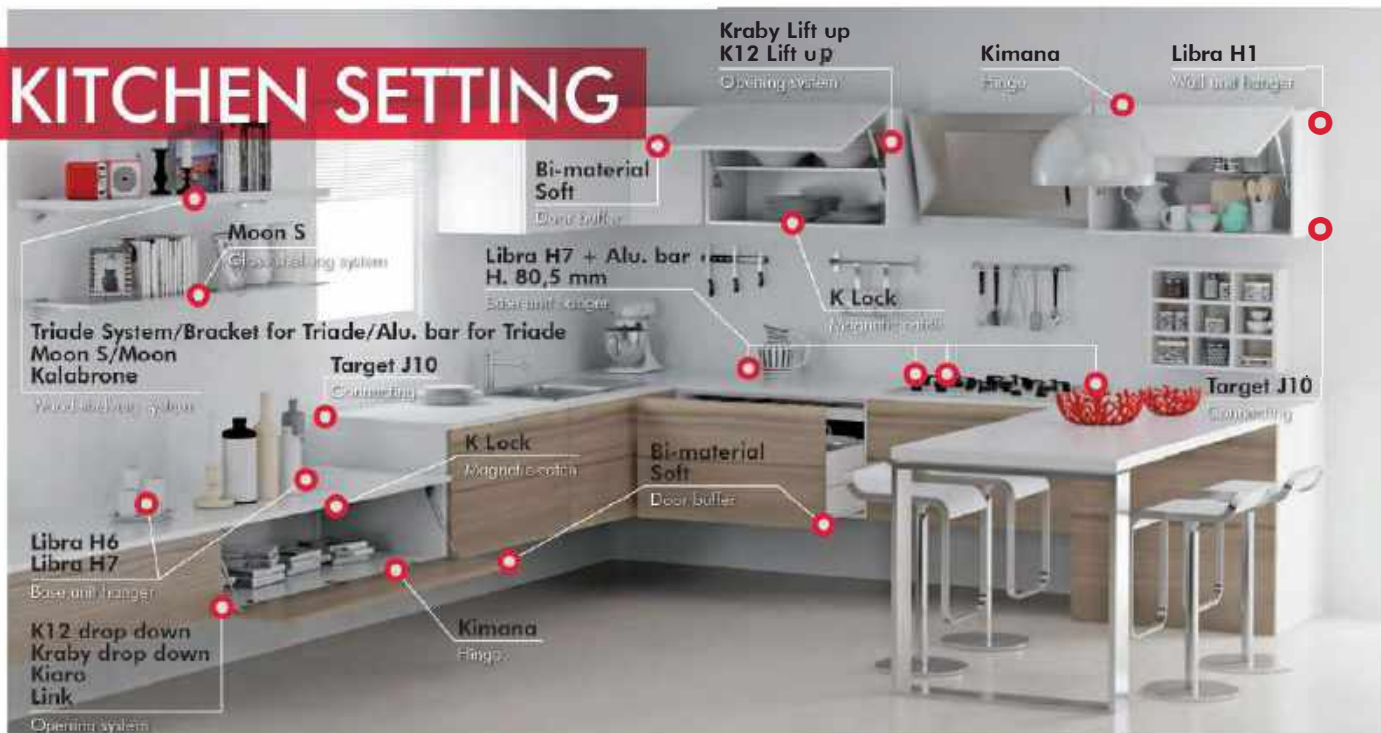


Visit their website:

www.italianaferramenta.com



KITCHEN SETTING



TRIADE SHELVING SYSTEM AND T BRACKETS

Excellent load capacity with 3D adjustments to ensure perfect installation.
Use additional T-bracket or aluminium channel for anchoring support in case of weaker walls.

	Cat. No.
Triade from 30-40 mm thick	
Triade shelf support	283.39.010
Triade bracket	283.39.019
Triade Maxi over 40 mm thick	
Triade Maxi shelf support	283.39.012
Triade Maxi bracket	283.39.021
Pan head M5 screw for the bracket	
2 pcs each bracket	013.09.008
Jig set	356.12.091

Packing: 1 piece



BI-MATERIAL & SOFT

To be inserted behind doors and drawers.
Rigid pin for easy installation and soft buffer to absorb door closing force.

	Cat. No.
Bi-Mat Ø 5 mm	356.20.423
Soft Ø 10 mm	356.20.521

Packing: 1 piece



MOON S, MOON WOOD AND GLASS SHELVING SYSTEMS

Inspiring new design, ideal for both wood and glass shelves for heavy duty load.

	Cat. No.
Moon S from 4-25 mm thick	
Black matt	282.84.370
Bright chrome	282.84.270
Moon from 15-50 mm thick	
Black matt	282.84.371
Bright chrome	282.84.271

Packing: 1 pair



KALABRONE

Modern and squared design, ideal for both wood and glass shelves, capable of supporting heavy duty load. Useful 2D adjustments to perfectly align and tilt the shelf against the wall.

	Cat. No.
Kalabrone from 8-30 mm thick	
Inox	284.09.280
Chrome	284.09.080
Silver	284.09.980

Packing: 1 pair



KRABY LIFT UP AND DROP DOWN

Lift up and Drop down gas systems for wide range of cabinet shutters.

Premium and exclusive cylinder finish and die cast design with opening angle adjustments.

	Cat. No.
Kraby lift up automatic	
L. 244 mm - 80N	372.00.702
L. 244 mm - 100N	372.00.703
L. 355 mm - 120N	372.00.707
Kraby lift up friction	
L. 244 mm - 60N	372.01.702
L. 244 mm - 90N	372.01.703
Kraby drop down	
L. 244 mm	365.65.700

Packing: 1 set



K LOCK

To safely keep the door closed, suitable for unsprung and flap/piano hinges. Concealed Ø 10 mm hole and adapter housing. Gap adjustment by rotating the head.

	Cat. No.
Light grey colour	
K Lock	356.01.550
Adapter housing	356.01.700
Door plate Ø 3 mm pin	246.01.555
Door plate screw fix	246.03.910

Packing: 1 pair

LIVING SETTING



K LINE WITH RUBBER PAD

Fresh & slim design used for both wood and glass. In case of glass, use rubber pad additionally.

	Cat. No.
Ø5 pin	284.84.711
Rubber pad	284.84.990

Packing: 1 piece



PEKI

Rounded design for 4 up to 10 mm glass shelves. 90° screw pin rotation to lock/unlock the shelf for safe transportation and shelf repositioning.

	Cat. No.
Ø5 pin	284.04.611

Packing: 1 piece



KUBIC

Modern squared design for 4 up to 8 mm glass shelves. Sliding clip to lock the shelf for safe transportation and shelf repositioning.

	Cat. No.
Ø5 pin - body	284.04.641
Upper plate	284.04.643

Packing: 1 piece



KIMANA

Boasting a minimalistic and elegant design, Kimana also has a unique and exclusive movement. 3D adjustment and spacers for different cabinet/door thicknesses.

	Cat. No.
Nickel	342.73.610
Black nickel	342.73.310

Packing: 1 pair



FLIPPER

Made of plastic housing and steel pin, the shelf is locked/unlocked with a simple click. Ideal to avoid domestic injuries and for shelf repositioning. Different steel pin options.

	Cat. No.
Housing white	263.07.007
Housing alu. grey	263.07.001
Euro pin	263.20.002
Smooth pin	263.20.004

Packing: 1 piece



UNICO

Elegant die cast design with a sliding clip to ensure safe transportation & easy shelf repositioning. Different pin options.

	Cat. No.
Ø5 smooth pin	262.37.700
Ø3 smooth pin	262.37.710
Ø5 threaded pin	262.37.720

Packing: 1 piece



KINTAI

Minimal and elegant design. Spring mechanism which locks the shelf for safe transportation. Reposition shelf using sliding clips to unlock.

	Cat. No.
Ø5 pin - anthracite	262.37.721

Packing: 1 piece



KIARO

Inspiring new design, minimalistic shape with variable strengths. Highly strong wire slowing down the door. Open angle adjustment. Also comes with Integrated LED light.

	Cat. No.
Kiaro T-met	
Kiaro	365.47.010
Alu. profile	365.47.012
Kiaro Gunmetal	
Kiaro	365.47.011
Alu. profile	365.47.013

Packing: 1 piece

BATHROOM SETTING



LIBRA H1

For wall units, positioned behind the back panel. Excellent load capacity, 3D adjustments and cover caps to make it discreet. Comes with in built anti-turnover lock.

	Cat. No.
Set of 2 pieces.	290.41.750

Packing: 1 set



CONCEALED HANGER

Concealed hanging bracket for fixing mirrors, panels and small wall cabinets. Excellent capacity loading and quick installation, providing wide adjustment left/right and up/down.

	Cat. No.
Set of 2 pieces.	291.04.312

Packing: 1 set



KALABRONE MINI

Sleek design with the shelf safely clamped between soft rubber layers. For 5 up to 10 mm thick glass shelves.

	Cat. No.
Satin nickel	284.09.030
Polished chrome	284.09.230
Silver coloured	284.09.930

Packing: 1 piece



LIBRA H7 AND ALU BARS

Conceived for suspended base units. Excellent load capacity, 3D adjustments and cover caps to make it discreet. Optional aluminium bars for even better capacity loading and stability. Comes with in built anti-turnover lock.

	Cat. No.
Libra H7 cabinet hanging set	290.41.754
Aluminium rail 40x2500 mm	290.01.040
Aluminium rail 80x2500 mm	290.01.081
Cover white - right	290.36.750
Cover white - left	290.36.751

Packing: 1 piece



LINK

Elegant design in 4 alternative finishes. Unhanded mechanism with different setting forces to suit a wide range of doors. It provides soft opening and smooth closing operated by the thin metal wire. 90° opening angle adjustment device.

	Cat. No.
A262 - T-met	365.47.001
N262 - T-met	365.47.002
U262 - T-met	365.47.003
AL280 - T-met	365.47.004
AQ300 - T-met	365.47.005

Packing: 1 piece



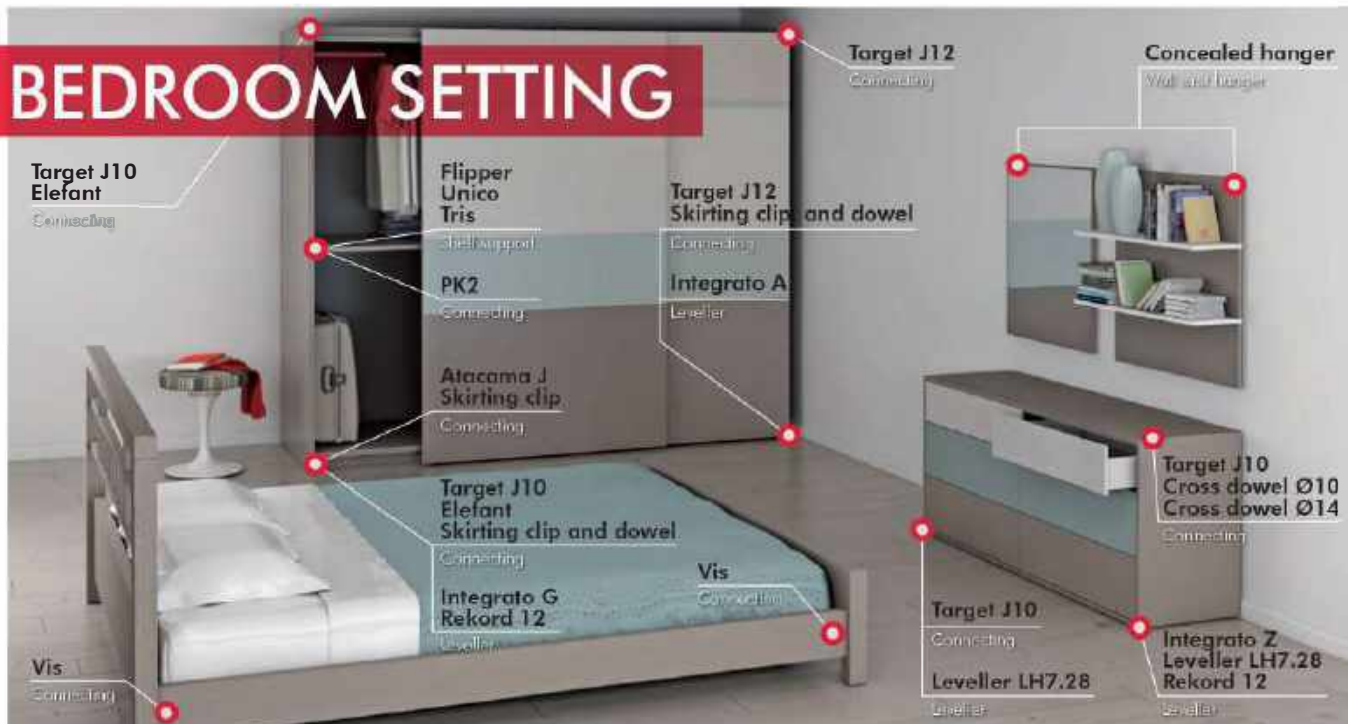
K12 LIFT UP AND DROP DOWN

A new concept of elegance with reduced diameter of the gas cylinder in exclusive finish and minimal die cast design with opening angle adjustment.

	Cat. No.
K12 lift up automatic	
L 244 mm - 50N	372.05.004
L 244 mm - 80N	372.05.006
K12 drop down	
L 244 mm	365.60.700
L 355 mm	274.50.951

Packing: 1 set

BEDROOM SETTING



ATACAMA J

Brilliant 3-in-1 product design easing the construction of cabinets with skirting featuring connector, leveller and support for skirting clip.



INTEGRATO G

Leveller with 25mm height adjustment and 175 kgs load capacity with in-built glide that prevents floor scratching.



INTEGRATO Z

Conceived for units with weight-bearing bottoms. Leveller with 10 mm height adjustment and 175 kgs load capacity with in-built glide that prevents floor scratching.



VIS

Especially conceived to join bed sides and panels. It boasts two different tightening positions, standard + and strong ++, which helps in case of inaccurate drillings, or for refreshing the tightening, without dismounting the whole structure.

	Cat. No.
Atacama J	637.23.900
Special Key	008.28.290

Packing: 1 piece

	Cat. No.
	637.67.910

Packing: 1 piece

	Cat. No.
	651.16.300

Packing: 1 piece

	Cat. No.
Set of 4 pieces	262.01.051

Packing: 1 set



TARGET J10

Strong and easy solution for connecting cabinets with worm gear mechanism. Small 10 mm diameter makes it aesthetically minimalistic. It can be pre-assembled in the panels and fixed at site in minutes.



TARGET J12

Strong and easy solution for connecting cabinets with worm gear mechanism. It has 12 mm diameter for connecting the cabinet as well as adjusting the leveller. It can be pre-assembled in the panels and fixed at site in minutes.



ELEFANT

Strength with minimal and elegant shape. Conceived for heavy duty wardrobe and modular furniture, it features a worm-gear inside which allows an easy and strong fastening. It can be pre-assembled into the panel without obstructing the packaging.



PK2

Join any shelf and side including top and bottom by rotating in-built minifix by 90° to obtain a click for lock position. Easy shelf repositioning by reversing the operation.

	Cat. No.
Sleeve	262.11.020
Panel 18 mm thick	
Pinion Ø10	262.11.051
Panel 25 mm thick	
Pinion Ø10	262.11.052
Jig set	001.15.160
LH7.28 leveller	637.97.910

Packing: 1 piece

	Cat. No.
Sleeve	262.11.021
Panel 18 mm thick	
Pinion Ø12	262.11.027
Panel 25 mm thick	
Pinion Ø12	262.11.029
Jig set	001.15.160
Integrato A lev.	637.97.911

Packing: 1 piece

	Cat. No.
Panel 18 mm thick	
	263.10.501
Panel 25 mm thick	
	263.10.502

Packing: 1 piece

	Cat. No.
Panel 18 mm thick	
Round body	263.67.556
Side bracket	263.50.155
Panel 25 mm thick	
Round body	263.67.574
Side bracket	263.50.173
Template	132.75.759

Packing: 1 piece

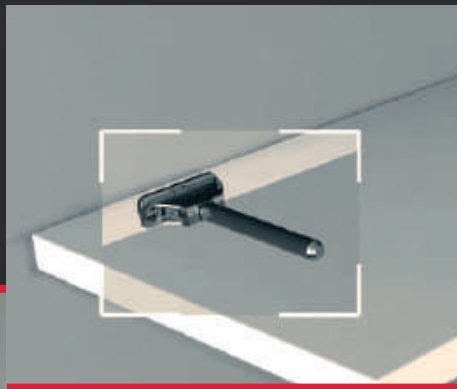


Kiara and Kiara Led



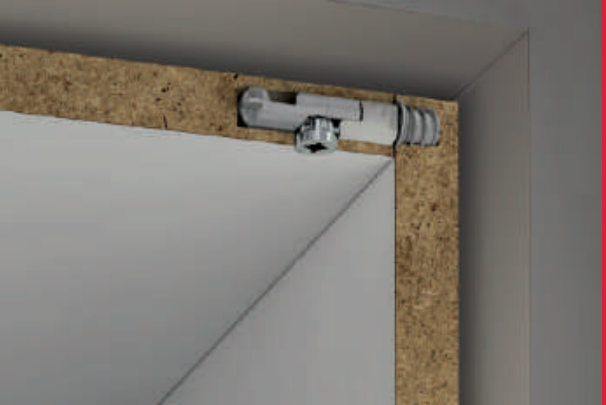


Link



Triade





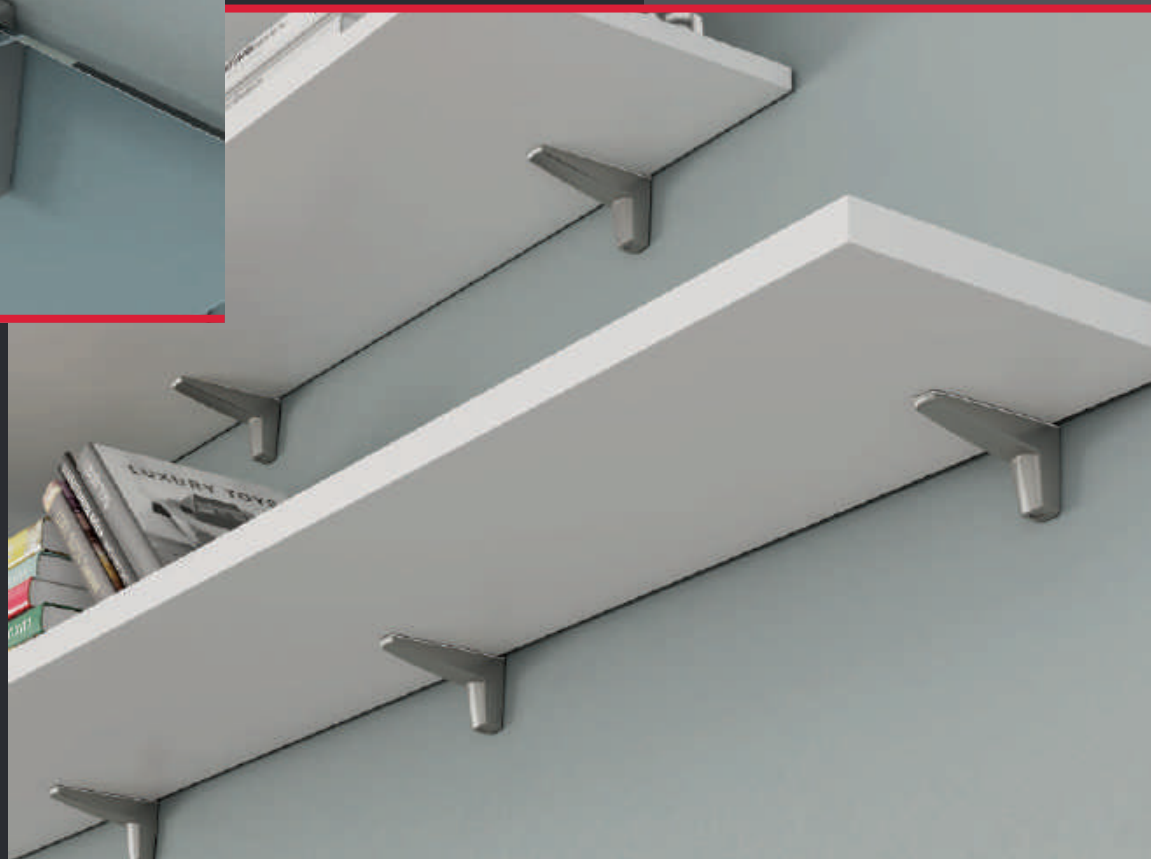
*Target
J/2*



Integrato A



*Moon
Moon S*

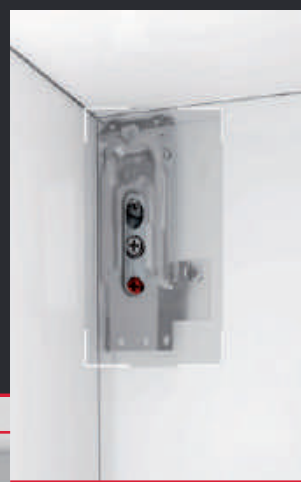




K12 System



Libra H7

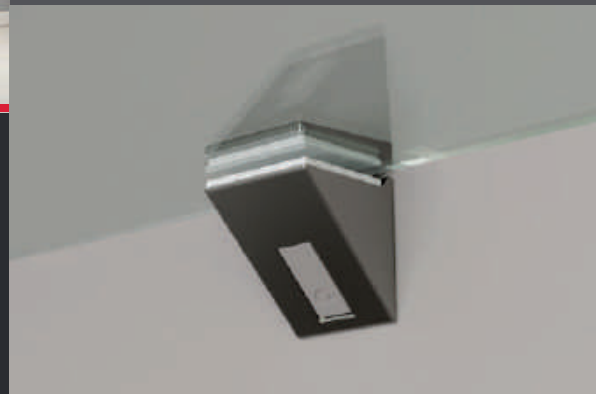


Libra H1

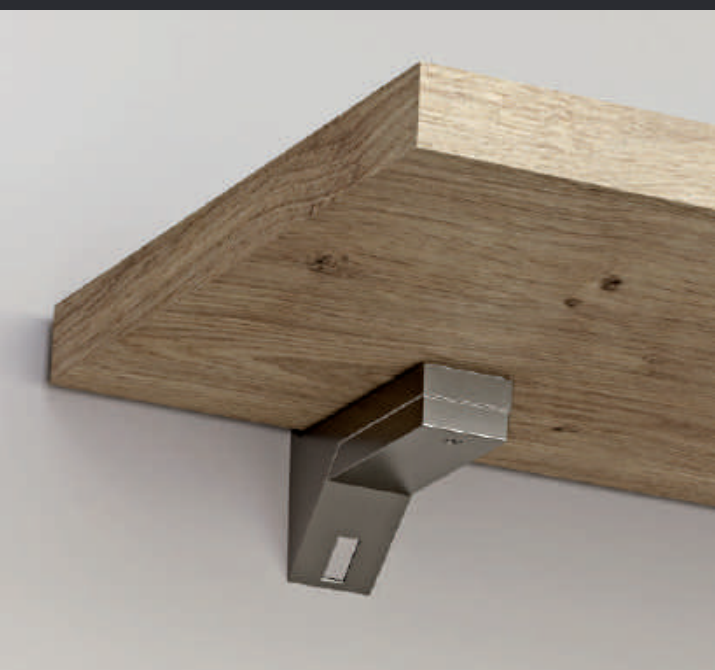




Liku



Kalabrone mini



Kalabrone





PK2



Secret Maxi



Selected products in this catalogue are **special order**, when placing orders please keep in mind lead time will be 8-10 weeks on all on demand products.

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All * products are Special Order products

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All * products are Special Order products



= WOOD/GLASS THICKNESS



= LENGTH



= HOLE DIAMETER



= DIAMETER



= RIGHT VERSION



= LEFT VERSION



= OTHER FINISHES AVAILABLE ON REQUEST



= NEWTON



= CAPACITY LOADING



= SETTING CODE



= PUSH TO OPEN



= PUSH TO OPEN WITH MAGNET



= K LOCK WITH MAGNET



= LIFT UP



= AUTOMATIC



= FRICTION



= DROP DOWN



= STANDARD HINGE



= WITH SPRING



= WITHOUT SPRING



= REVERSED SPRING



= KIMANA HINGE



= PC/PCS/SET



= SHELF SAFELY LOCKED DURING TRANSPORTATION AND AT HOME



= ANTI-TURNOVER LOCKING SYSTEM

Kraby System



Kraby System configurator

MAKE DESIGN EASIER WITH PRACTICAL APPLICATIONS

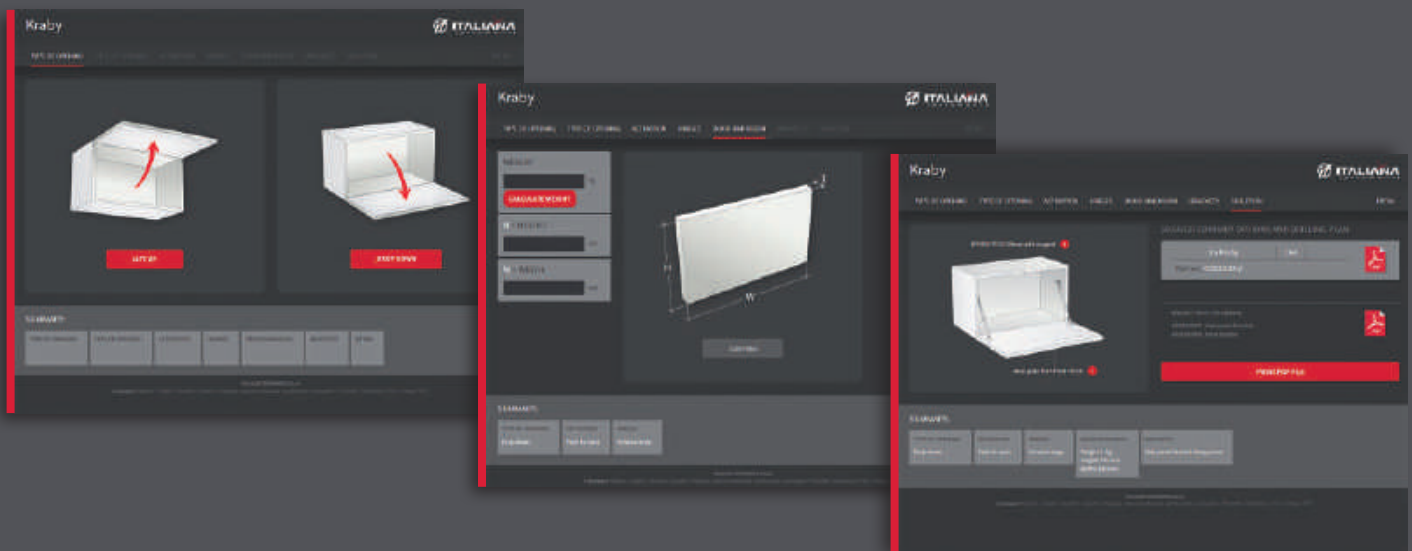
Download italiana ferramenta configurators

Easy and intuitive configurator which helps you to identify the right settings and drilling plans for Kraby System.

Main advantages are:

- Few guided steps to find the **correct set up of the product**.
- **Immediate response** without consulting any chart or document.
- Installation errors are avoided.
- Quick consultation of drilling plans.
- Possibility to **estimate the door weight**.
- Possibility to **print a report** with the suggested solutions.
- **Wide range of languages available** (Continuously updating).

Download and more details at <http://www.italianaferramenta.it/software.php>



software.italianaferramenta.it/new/kraby/





- ▶ Aesthetically designed opening system. Highest quality: each article individually checked and marked.
- ▶ Available in 4 different lengths 164, 244, 355, 480 mm.
- ▶ Wide range of N strengths, to suit any door dimension and weight.
- ▶ Available in two different types of opening:
 - Automatic: allows the door to open to the fullest.
 - Friction: allows the door to be stopped in any required position.
- ▶ Open angle adjustment carried out by hand through the rotary knob, for alignment with nearby shutters.
- ▶ Adjustment of the piston base plate within the "U" slot of the side bracket to change door opening and closing.
- ▶ Quick and easy installation, no need to tension the strength.
- ▶ Directly installed on solid or wider aluminium frame doors and wide range of special adapters to suit small aluminium door profiles.
- ▶ All the parts (stay excluded) are in zinc alloy nickel plated and plastic.
- ▶ In accordance with Italian Regulation UNI 8607/05 Level 5.



PATENTED

BRACKETS INSTALLATION



VERY IMPORTANT:

The door bracket has to be placed in vertical position with the slot facing forward

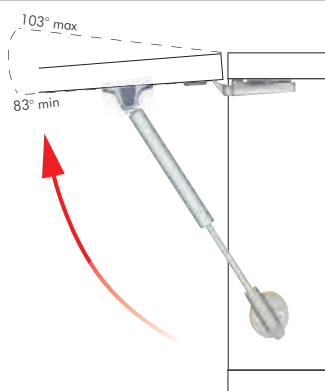
Recommended counter-sunk head wood screws Ø 4 x 16 mm.

Recommended counter-sunk head wood screws Ø 4 x 16 mm.

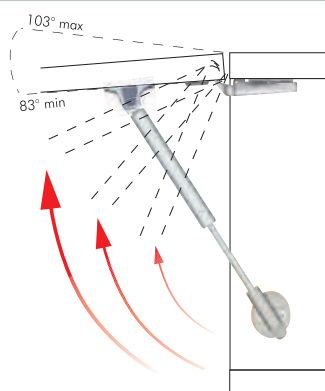
VERY IMPORTANT:

The side bracket has to be placed with the slot in horizontal position and the open end facing the wall.

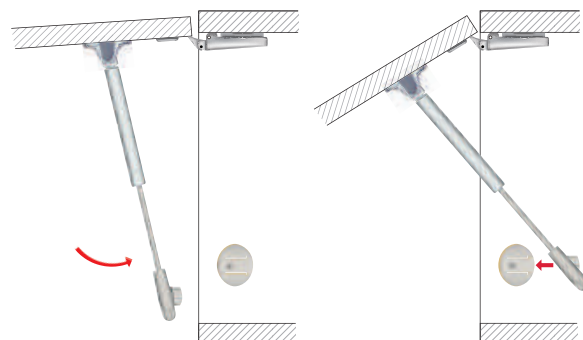
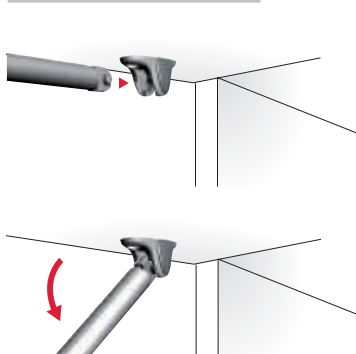
AUTOMATIC SOFT OPENING



FRICTION OPENING

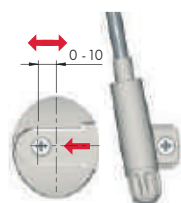


INSTALLATION



ADJUSTMENTS

Front to back adjustment 0 - 10 mm.

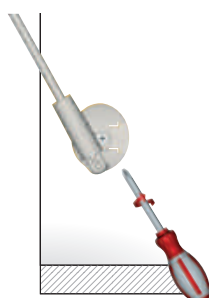


FRONT TO BACK ADJUSTMENT:

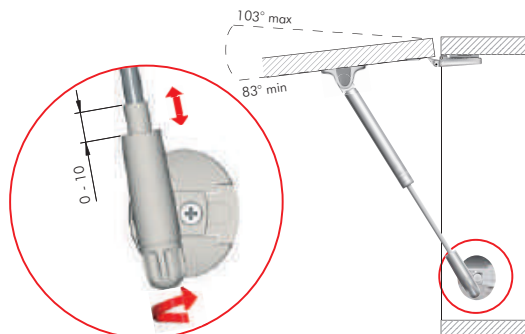
The opening and closing of the door can be changed by adjusting the position of the piston base plate within the slot:

- Forward adjustment = the door opens automatically later (automatic stay only) and closes automatically in advance (both stays automatic and friction).
- Backward adjustment = the door opens automatically in advance (automatic stay only) and closes automatically later (both stays automatic and friction).

Locking.

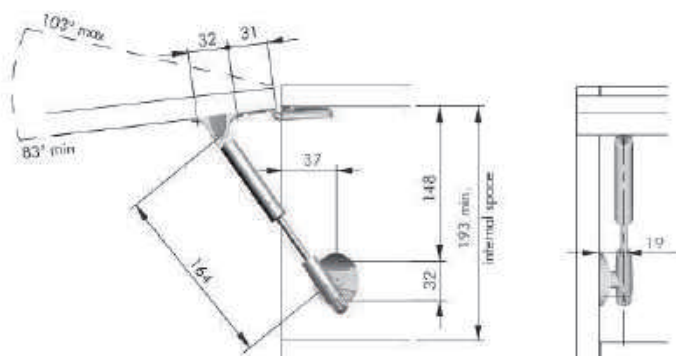


Open angle adjustment 0 - 10 mm.



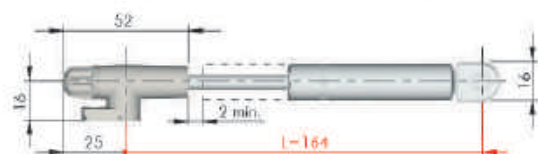
KRABY SYSTEM 164 mm LIFT UP WITH STANDARD SPRUNG HINGES

Opening with handle



The dimensions of the above drilling plan refer to carcasses which use standard sprung hinges and mounting plates 0 mm.

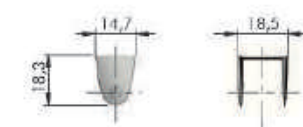
Please note that min and max opening angle data shown is purely indicative. It varies with respect to the hinge brand and adjustment carried out.



ALL THE PARTS (STAY EXCLUDED) ARE IN ZINC ALLOY NICKEL-PLATED AND PLASTIC.

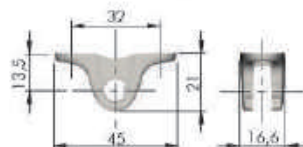


PLASTIC GREY COVER FOR DOOR BRACKET



DOOR BRACKET

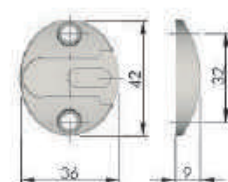
Zinc alloy nickel-plated



Recommended pre-drilled holes Ø 3 mm.

SIDE BRACKET

Zinc alloy nickel-plated



KRABY SYSTEM 164 mm LIFT UP FRICTION VERSION



Set 1: 45N - 60N

On demand



=100 sets

KRABY SYSTEM 164 mm LIFT UP AUTOMATIC VERSION



372.00.704 - Set including 1 piston in 80N

On demand



=100 sets

Set 1: 120 N

On demand



=100 sets

Each set includes both door and side brackets, fixing screws for both solid and wider aluminium door and instruction sheet.



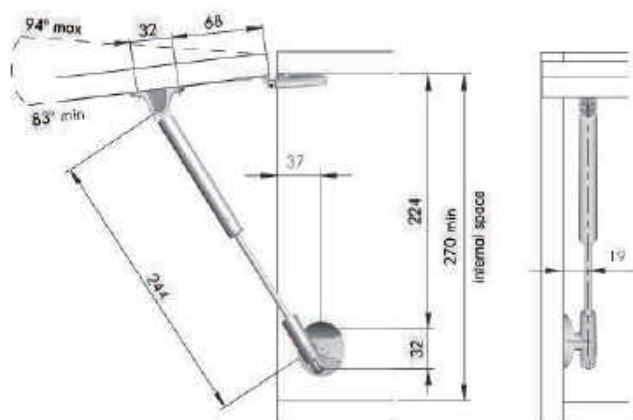
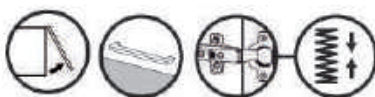
These are experimental results to be checked by the customer. Our Technical Department is at your disposal to test further cases out of this chart

Rev. 02

h	Kraby version	Door weight (Kg)										Kraby version
		1	2	3	4	5	6	7	8	9	10	
230 - 274	Automatic	1x80N	2x80N		2x120N			3x120N		4x120N		Automatic
	Friction	1x45N		2x45N				2x60N		3x60N		Friction
275 - 325	Automatic	1x80N	2x80N		2x120N			3x120N		4x120N		Automatic
	Friction	1x60N		2x45N			2x60N	3x60N		4x60N		Friction

KRABY SYSTEM 244 mm LIFT UP WITH STANDARD SPRUNG HINGES

Opening with handle



The dimensions of the above drilling plan refer to carcasses which use standard sprung hinges and mounting plates 0 mm.

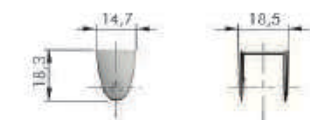
Please note that min and max opening angle data shown is purely indicative. It varies with respect to the hinge brand and adjustment carried out.



ALL THE PARTS (STAY EXCLUDED) ARE IN ZINC ALLOY NICKEL-PLATED AND PLASTIC.



PLASTIC GREY COVER FOR DOOR BRACKET



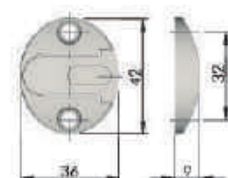
DOOR BRACKET

Zinc alloy nickel-plated



SIDE BRACKET

Zinc alloy nickel-plated



Recommended pre-drilled holes Ø 3 mm.

KRABY SYSTEM 244 mm LIFT UP FRICTION VERSION



373.86.742 - Set including 1 piston in 60N

= 1 set

373.86.743 - Set including 1 piston in 90N

Set 1: 45N - 120N

On demand = 100 sets

KRABY SYSTEM 244 mm LIFT UP AUTOMATIC VERSION



372.00.702 - Set including 1 piston in 80N

= 1 set

372.00.703 - Set including 1 piston in 100N

372.00.701 - Set including 1 piston in 50N

On demand = 100 sets

372.00.706 - Set including 1 piston in 120N

Set 1: 140N - 160N - 180N - 240N

On demand = 100 sets

Each set includes both door and side brackets, fixing screws for both solid and wider aluminium door and instruction sheet.



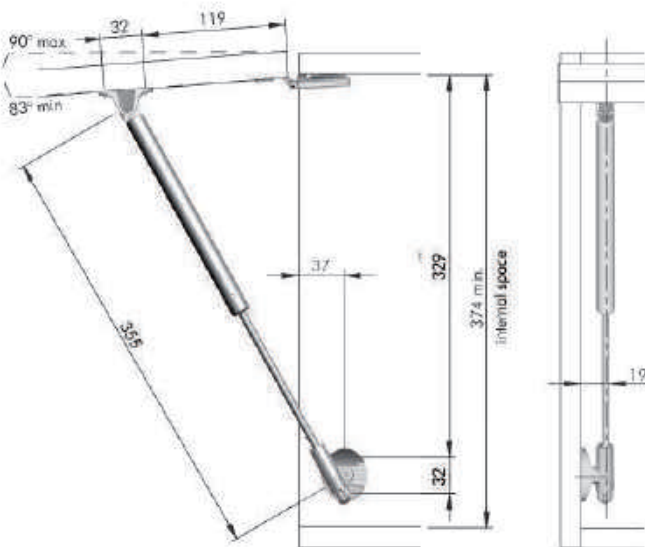
These are experimental results to be checked by the customer. Our Technical Department is at your disposal to test further cases out of this chart.

Rev. 02

h	Kraby version	Door weight (Kg)													Kraby version
		1	2	3	4	5	6	7	8	9	10	11	12	13	
300 - 324	Automatic	1x80N		2x50N		2x80N		2x100N		2x120N		2x140N		2x160N	Automatic
	Friction	1x45N		1x60N		2x45N		2x60N		2x90N		2x120N		2x160N	Friction
325 - 374	Automatic	1x80N		2x50N		2x80N		2x100N		2x120N		2x140N		2x160N	Automatic
	Friction	1x45N		1x60N		2x45N		2x60N		2x90N		2x120N		2x160N	Friction
375 - 424	Automatic	1x80N		2x50N		2x80N		2x100N		2x120N		2x140N		2x160N	Automatic
	Friction	1x45N		1x60N		2x45N		2x60N		2x90N		2x120N		2x160N	Friction
425 - 474	Automatic	2x50N		2x80N		2x100N		2x120N		2x140N		2x160N		2x180N	Automatic
	Friction	1x60N		2x45N		2x60N		2x90N		2x120N		2x160N		2x180N	Friction
475 - 524	Automatic	2x80N		2x100N		2x120N		2x140N		2x160N		2x180N		2x240N	Automatic
	Friction	2x45N		2x60N		2x90N		2x120N		2x160N		2x180N		2x240N	Friction

KRABY SYSTEM 355 mm LIFT UP WITH STANDARD SPRUNG HINGES

Opening with handle



The dimensions of the above drilling plan refer to carcasses which use standard sprung hinges and mounting plates 0 mm.
Please note that min and max opening angle data shown is purely indicative. It varies with respect to the hinge brand and adjustment carried out.



ALL THE PARTS (STAY EXCLUDED) ARE IN ZINC ALLOY NICKEL-PLATED AND PLASTIC.



KRABY SYSTEM 355 mm LIFT UP FRICTION VERSION



Set 1: 45N - 60N - 90N - 120N On demand = 100 sets



KRABY SYSTEM 355 mm LIFT UP AUTOMATIC VERSION



372.00.707 - Set including 1 piston in 120N = 1 set



Set 1: 50N - 80N - 100N - 160N 180N - 200N On demand = 100 sets



Each set includes both door and side brackets, fixing screws for both solid and wider aluminium door and instruction sheet.



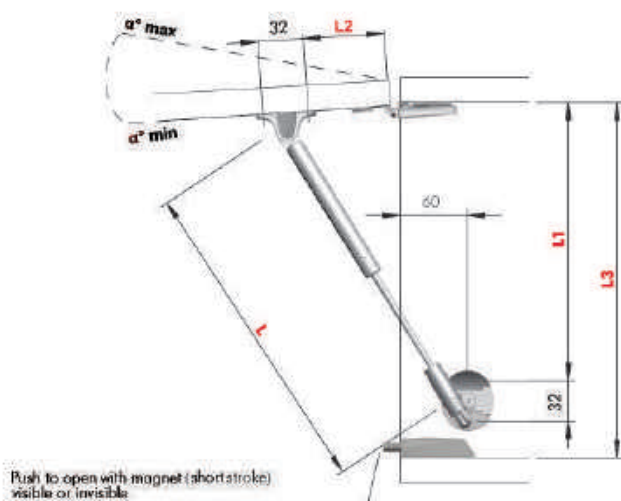
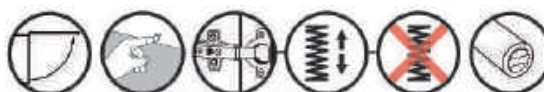
These are experimental results to be checked by the customer. Our Technical Department is at your disposal to test further cases out of this chart.

Rev. 02

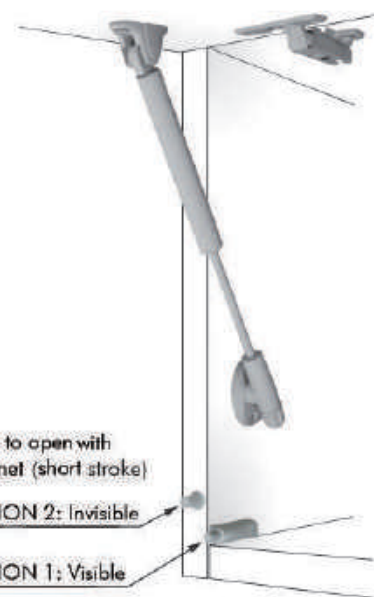
h	Kraby version	Door weight (Kg)													Kraby version
		1	2	3	4	5	6	7	8	9	10	11	12	13	
400 -424	Automatic	1x80N			2x50N			2x80N			2x100N	2x120N		2x160N	Automatic
	Friction	2x45N								2x60N					Friction
425 -474	Automatic	1x80N	2x50N	2x80N			2x100N			2x120N		2x160N			Automatic
	Friction	2x45N							2x60N				2x90N		Friction
475 -524	Automatic	1x80N	2x50N	2x80N			2x100N		2x120N		2x160N		2x180N	2x200N	Automatic
	Friction	2x45N							2x60N				2x90N		Friction
525 -574	Automatic	1x80N	2x50N	2x80N			2x100N	2x100N	2x160N			2x180N		2x200N	Automatic
	Friction	2x45N						2x60N			2x90N				Friction
575 -624	Automatic	2x50N	2x80N	2x100N		2x120N		2x160N			2x180N	2x200N			Automatic
	Friction	2x45N						2x60N			2x90N				Friction
625 -700	Automatic	2x50N	2x80N	2x100N		2x120N		2x160N			2x180N	2x200N			Automatic
	Friction	2x45N				2x60N			2x90N		2x120N				Friction

KRABY SYSTEM LIFT UP WITH STANDARD UNSPRUNG OR NEGATIVE HINGES

Automatic opening door with push to open with magnet (short stroke)



Push to open with magnet (shortstroke)
visible or invisible



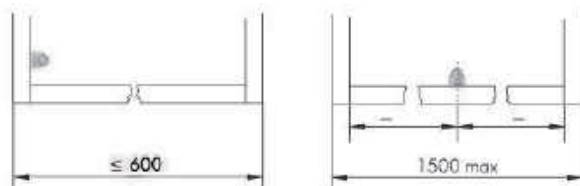
For piston quantity and strength to be specified according to door size, refer to the related Kraby System lift up chart.

	L	L1	L2	L3	α° max α° min
Kraby System 164 mm	164	135	25	185 min	105° max 72° min
Kraby System 244 mm	244	210	55	260 min	98° max 80° min
Kraby System 355 mm	355	315	105	365 min	93° max 83° min

The dimensions of the side drilling plans refer to carcasses which use standard unsprung or negative hinges and mounting plates 0 mm. Please note that min and max opening angle data shown is purely indicative. It varies with respect to the hinge brand and adjustment carried out.

INSTALLATION OF PUSH TO OPEN WITH MAGNET (SHORT STROKE) THROUGH ADAPTER HOUSING

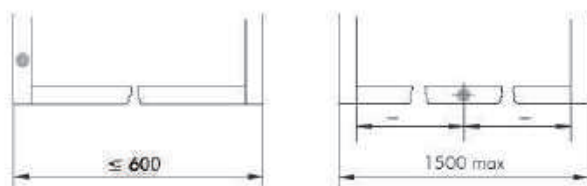
OPTION 1: VISIBLE



1 piece for door width ≤ 600 mm
to be placed on same side as the
Kraby System.

INSTALLATION OF PUSH TO OPEN WITH MAGNET (SHORT STROKE) TO BE EMBEDDED INSIDE THE PANEL

OPTION 2: INVISIBLE



1 piece for door width ≤ 600 mm
to be placed on same side as the
Kraby System.

Our Technical Department is at your disposal to test wider doors.



= 100 sets

Each set includes fixing screws and instruction sheet. (Door bracket excluded).



Steel nickel-plated



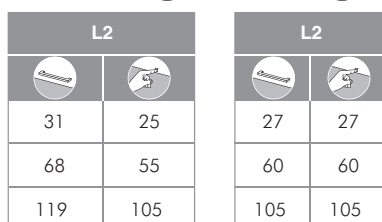
Steel nickel-plated



Trilobular screws for door bracket installation already included in each Kraby set.



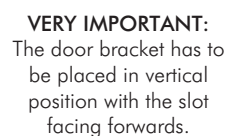
Steel nickel-plated



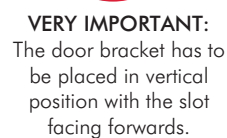
Kraby 164 mm
Kraby 244 mm
Kraby 355 mm



Recommended fixing
pan head self tapping
screw $\varnothing 3,9 \times 32$ mm.



Recommended fixing
countersunk head trilobular
screw Ø 4 x 8 mm.



Recommended fixing
countersunk head trilobular
screw Ø 4 x 8 mm.



- ▶ Aesthetically designed opening system. Highest quality: each article individually checked and marked.
- ▶ Available in 3 different lengths 164, 244, 355 mm.
- ▶ "Zero" N strength, to suit any door dimension and weight.
- ▶ Smooth and elegant movement to gently open doors downwards.
- ▶ Open angle adjustment carried out by hand through the rotary knob, for alignment with nearby shutters.
- ▶ Adjustment of the piston base plate within the "U" slot of the side bracket to change door opening only.
- ▶ Quick and easy installation, no need to tension the strength.
- ▶ Directly installed on solid or wider aluminium frame doors and wide range of special adapters to suit small aluminium door profiles.
- ▶ All the parts (stay excluded) are in zinc alloy nickel plated and plastic.
- ▶ In accordance with Italian Regulation UNI 8607/05 Level 5.



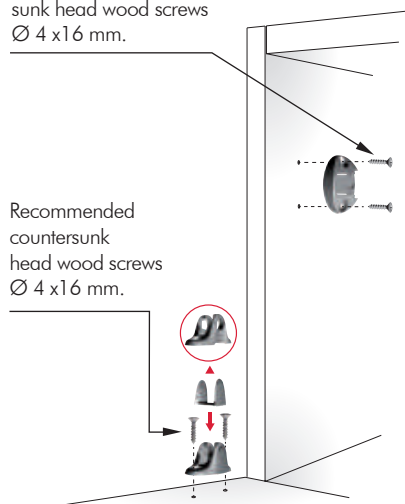
PATENTED

BRACKETS INSTALLATION

VERY IMPORTANT:

The door bracket has to be placed in vertical position with the slot facing forwards.

Recommended counter-sunk head wood screws
Ø 4 x 16 mm.



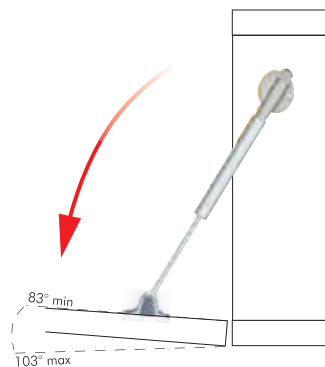
Recommended countersunk head wood screws
Ø 4 x 16 mm.



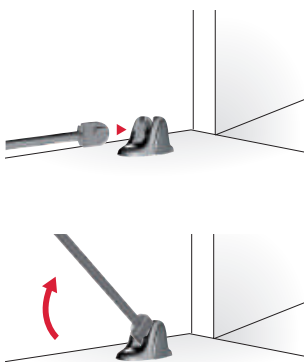
VERY IMPORTANT:

The door bracket has to be placed in vertical position with the slot facing forward.

DROP DOWN OPENING

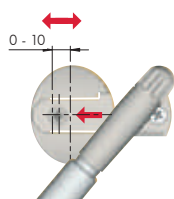


INSTALLATION



ADJUSTMENTS

Front to back adjustment 0 - 10 mm.

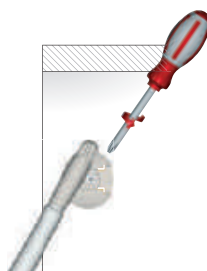


FRONT TO BACK ADJUSTMENT

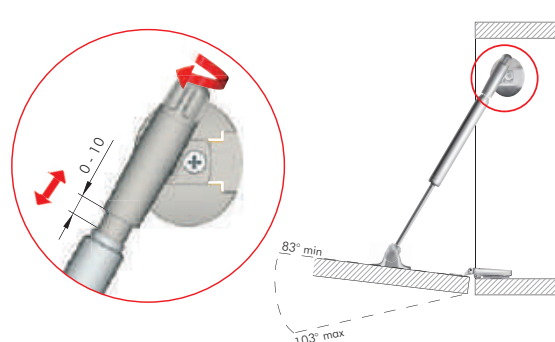
The opening of the door can be changed by adjusting the position of the piston base plate within the slot:

- Forward adjustment = the door opens automatically later.
- Backward adjustment = the door opens automatically in advance.

Locking.



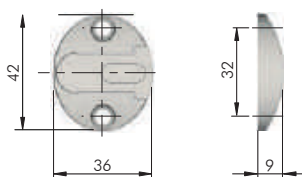
Open angle adjustment 0 - 10 mm.





SIDE BRACKET

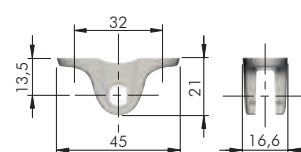
Zinc alloy nickel-plated



Recommended pre-drilling holes Ø 3 mm.

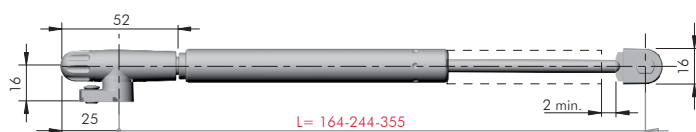
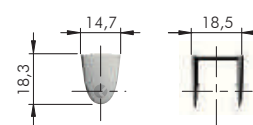
DOOR BRACKET

Zinc alloy nickel-plated



Recommended pre-drilling holes Ø 3 mm.

PLASTIC GREY COVER FOR DOOR BRACKET

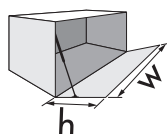


ALL THE PARTS (STAY EXCLUDED) ARE IN ZINC ALLOY NICKEL-PLATED AND PLASTIC.

KRABY SYSTEM 164 mm DROP DOWN

365.65.711 - Set including 1 piston in "zero" N On demand = 100 sets

Each set includes both door and side brackets, fixing screws for both solid and wider aluminium door and instruction sheet.



Rev. 02

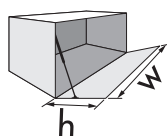
h	Door weight (Kg)					
	1	2	3	4	5	6
200 - 284	2 x Kraby		3 x Kraby		4 x Kraby	



KRABY SYSTEM 244 mm DROP DOWN

365.65.700 - Set including 1 piston in "zero" N On demand = 1 set

Each set includes both door and side brackets, fixing screws for both solid and wider aluminium door and instruction sheet.



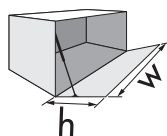
Rev. 02

h	Door weight (Kg)												
	1	2	3	4	5	6	7	8	9	10	11	12	13
280 -324	2 x Kraby								3 x Kraby				4 x Kraby
325 -424	2 x Kraby							3 x Kraby				4 x Kraby	
425 -500	2 x Kraby						3 x Kraby				4 x Kraby		

KRABY SYSTEM 355 mm DROP DOWN

Set including 1 piston in "zero" N On demand = 100 sets

Each set includes both door and side brackets, fixing screws for both solid and wider aluminium door and instruction sheet.



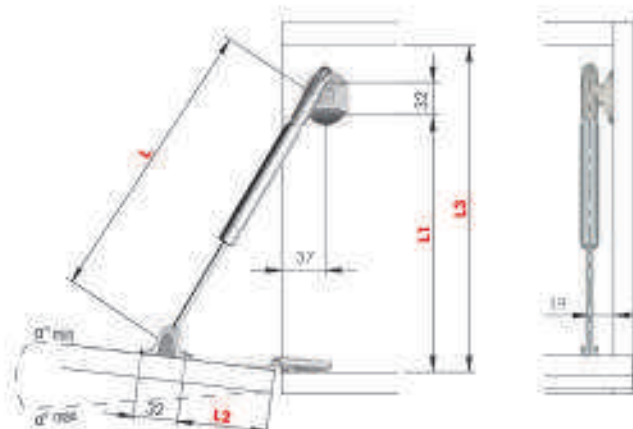
Rev. 02

h	Door weight (Kg)												
	1	2	3	4	5	6	7	8	9	10	11	12	13
380 - 500	2 x Kraby											3 x Kraby	
501 - 600	2 x Kraby									3 x Kraby			

These are experimental results to be checked by the customer. In accordance with the actual European regulation, we suggest to use at least two stays for each door. Our Technical Department is at your disposal to test further cases out of this chart.

KRABY SYSTEM DROP DOWN WITH STANDARD SPRUNG HINGES

Opening with handle



For pistons quantity to be specified according to door size, refer to the related Kraby System drop down chart.

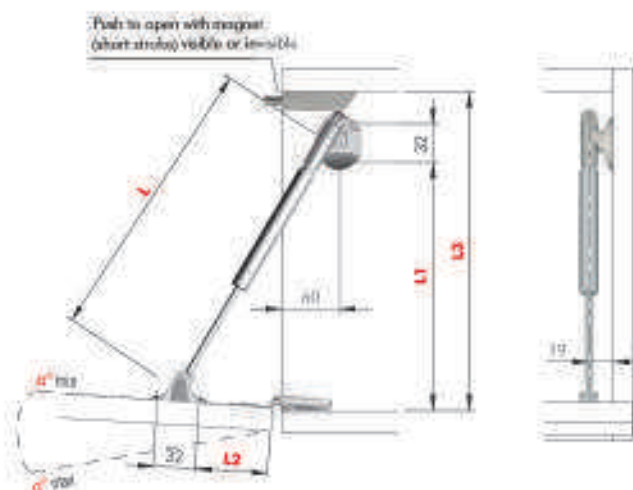
	L	L1	L2	L3	a' min a' max
Kraby System 164 mm	164	145	31	193 min	83° min 100° max
Kraby System 244 mm	244	224	68	270 min	83° min 94° max
Kraby System 355 mm	355	329	119	374 min	83° min 93° max

The dimensions of the drilling plans refer to carcasses which use standard sprung hinges and mounting plates 0 mm.

Please note that min and max opening angle data shown is purely indicative. It varies with respect to the hinge brand and adjustment carried out.

KRABY SYSTEM DROP DOWN WITH STANDARD UNSPRUNG OR NEGATIVE HINGES

Automatic opening door with push to open with magnet (short stroke)



For pistons quantity to be specified according to door size, refer to the related Kraby System drop down chart.

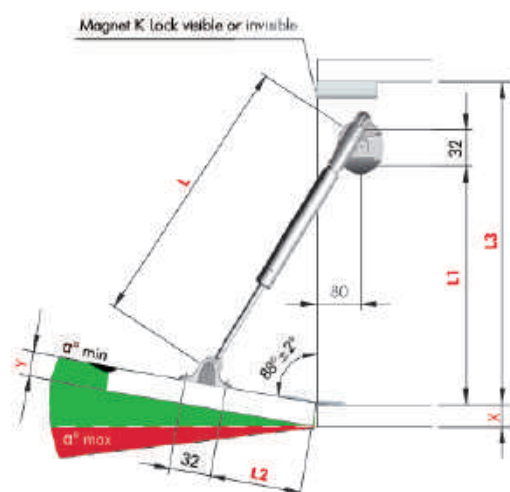
	L	L1	L2	L3	a' min a' max
Kraby System 164 mm	164	135	25	185 min	72° min 105° max
Kraby System 244 mm	244	210	55	260 min	80° min 98° max
Kraby System 355 mm	355	315	105	365 min	82° min 93° max

The dimensions of the drilling plans refer to carcasses which use standard unsprung hinges or negative hinges and mounting plates 0 mm.

Please note that min and max opening angle data shown is purely indicative. It varies with respect to the hinge brand and adjustment carried out.

KRABY SYSTEM DROP DOWN WITH KIMANA HINGES

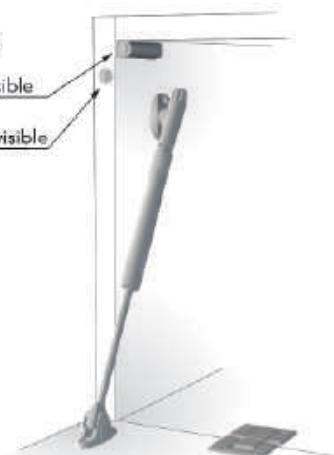
Opening with handle and magnet K Lock



Magnet K Lock

OPTION 1: Visible

OPTION 2: Invisible



For pistons quantity to be specified according to door size, refer to the related Kraby System drop down chart.

	L	L2	L3	α° min	α° max
Kraby System 164 mm	164	27	165 min	78° min	90° max
Kraby System 244 mm	244	60	245 min	82° min	90° max
Kraby System 355 mm	355	105	350 min	85° min	90° max



OPEN ANGLE ADJUSTMENT:

Kraby provides 10 mm opening angle adjustment through the rotary knob. Combining Kraby with Kimana hinges, it's strongly recommended to carry out the adjustment to get an opening angle 90° max. Overcrossing 90° door opening angle, will negatively effects the Kimana hinges.

KRABY SYSTEM 164 MM

X +	Y +	L1
18 + 2	18	117
19	19	115

KRABY SYSTEM 244 MM

X +	Y +	L1
18 + 2	18	197
19	19	195

KRABY SYSTEM 355 MM

X +	Y +	L1
18 + 2	18	307
19	19	300



* Kimana adapter not required in case 2 mm adjustment is carried out.

For different cabinet and door thicknesses, please contact the office.

In accordance with the actual European Regulation, we suggest to use at least two stays for each door (extra-size doors might require 3 or more gas stays).

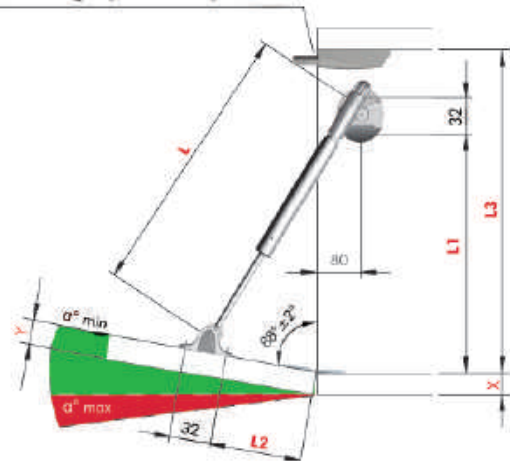
For Kimana and adapter details refer to section "HINGES".

KRABY SYSTEM DROP DOWN WITH KIMANA HINGES

Automatic opening door with push to open with magnet (medium stroke)



Push to open with magnet (medium stroke) visible or invisible



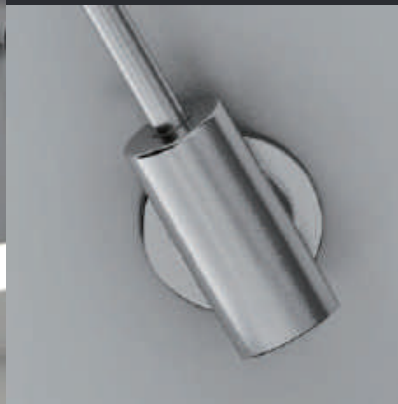
Push to open with magnet (medium stroke)

OPTION 1: Visible

OPTION 2: Invisible



K12 System



K12 System configurator

MAKE DESIGN EASIER WITH PRACTICAL APPLICATIONS

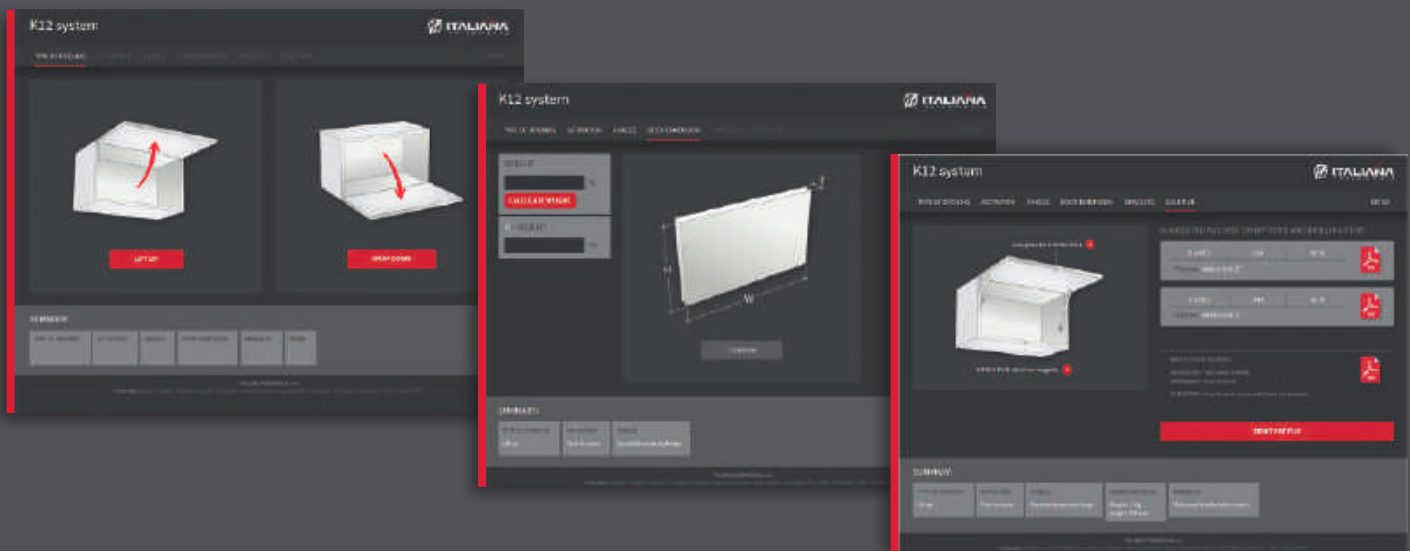
Download italiana ferramenta configurators

Easy and intuitive configurator which helps you to identify the right settings and drilling plans for K12 System.

Main advantages are:

- Few guided steps to find the **correct set up of the product**.
- **Immediate response** without consulting any chart or document.
- Installation errors are avoided.
- Quick consultation of drilling plans.
- Possibility to **estimate the door weight**.
- Possibility to **print a report** with the suggested solutions.
- **Wide range of languages available** (Continuously updating).

Download and more details at <http://www.italianaferramenta.it/software.php>



software.italianaferramenta.it/new/k12/



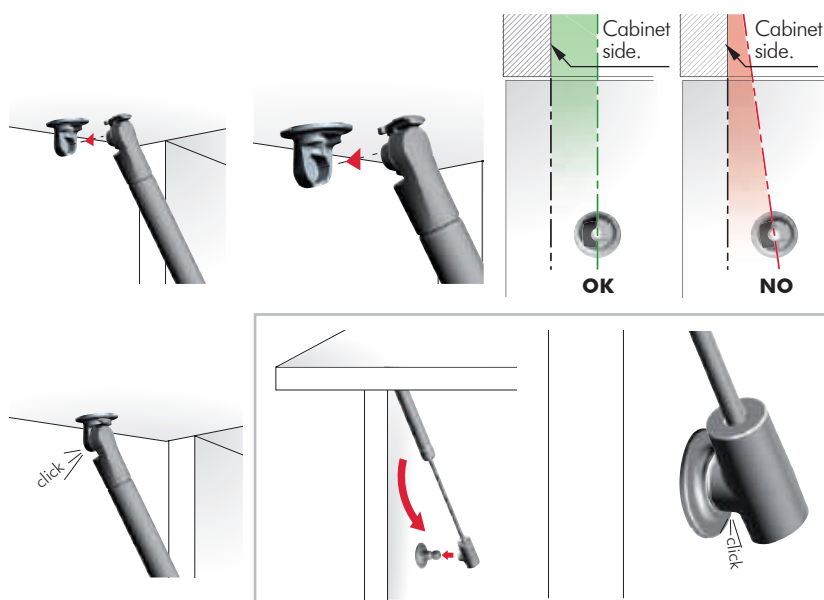
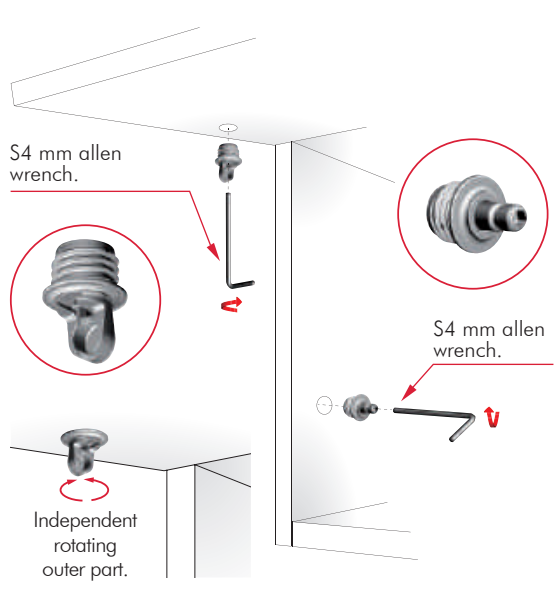


- ▶ Thanks to the reduced size and minimal design, the new K12 System provides a new concept of elegance in all details.
- ▶ Wide range of N strengths, to suit any door dimension and weight.
- ▶ K12 System, an easy-to-install solution that makes additional screws unnecessary, improving the aesthetic and reducing assembling time.
- ▶ K12 System operates through click-in door and side supports, sensibly reducing the risk of unsafe or improper installation.
- ▶ K12 System ensures a smooth and continuous movement of the door up to its maximum opening.
- ▶ Available in 3 different lengths 164, 244, 355 mm.
- ▶ All parts (stay excluded) are made of zinc alloy nickel plated, steel and engineering plastic.
- ▶ In accordance with Italian Regulation UNI 8607/05 Level 5.

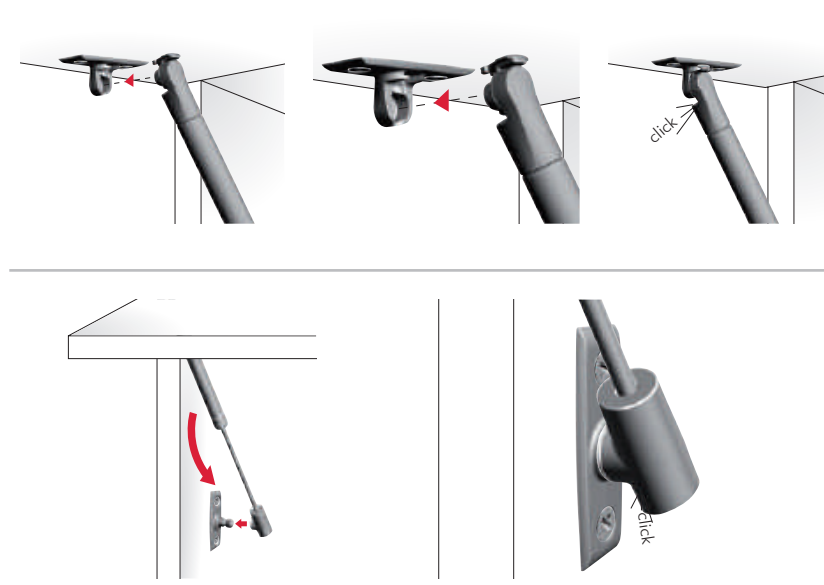
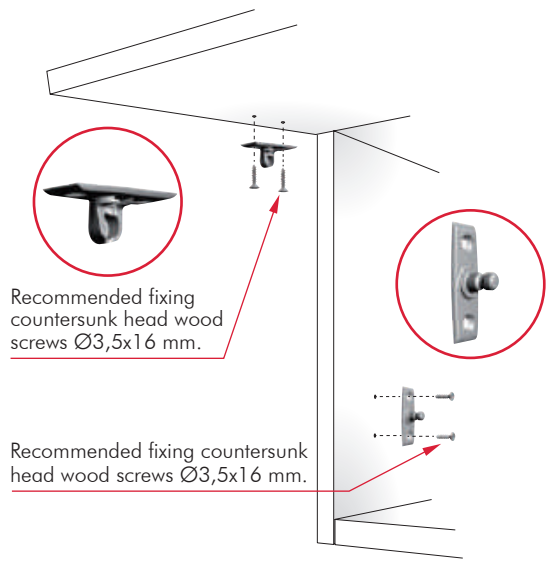


 PAT.PENDING

BRACKETS Ø15 INSTALLATION

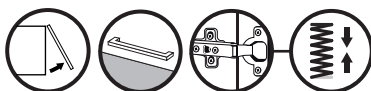


SCREW FIXING BRACKETS INSTALLATION

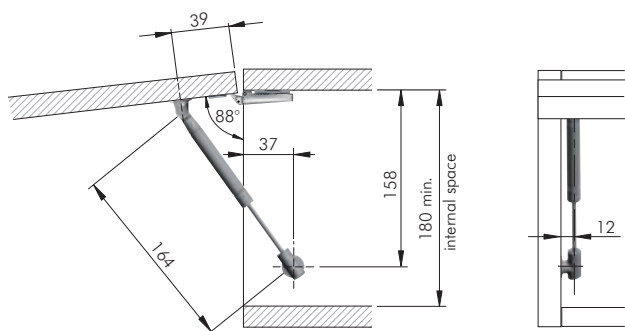


K12 SYSTEM 164 mm LIFT UP AUTOMATIC WITH STANDARD SPRUNG HINGES

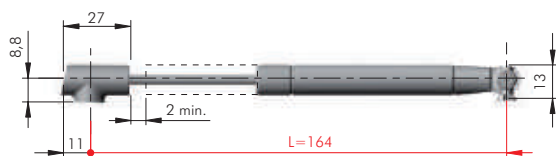
Opening with handle



DRILLING PLAN WITH BRACKETS Ø15 mm.



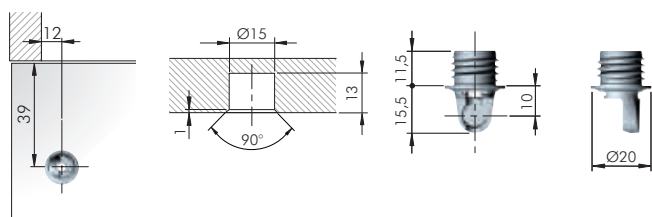
The dimensions of the above drilling plan refer to carcasses which use standard sprung hinges and mounting plates 0 mm. Please note that the opening angle shown data is purely indicative and it varies with respect to the hinge brand.



ALL PARTS (STAY EXCLUDED) ARE IN ZINC ALLOY NICKEL-PLATED, STEEL AND PLASTIC.

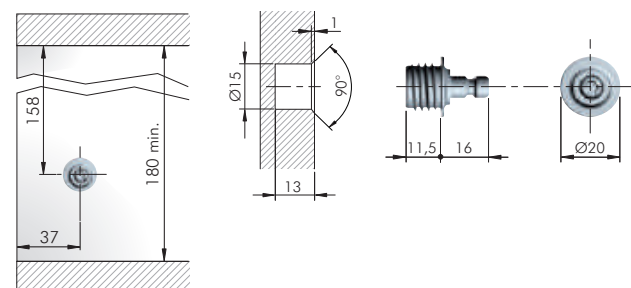
DOOR BRACKET Ø15 mm

Zinc alloy nickel-plated and steel



SIDE BRACKET Ø15 mm

Zinc alloy nickel-plated and steel



K12 SYSTEM 164 mm LIFT UP AUTOMATIC



Set 1: 50N - 80N - 100N - 120N On demand = 100 sets

Each set includes both Ø15 mm door and side brackets and instruction sheet.



Rev. 02

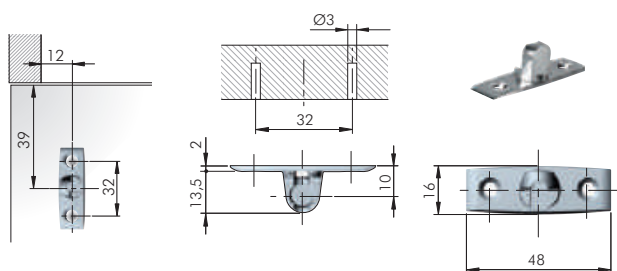
h	Door weight (Kg)															
	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7	7,5	8	8,5
200 - 224	2x50N				2x80N				2x100N				2x120N			
225 - 274	2x50N				2x80N				2x100N				2x120N			
275 - 300	2x50N				2x80N				2x100N				2x120N			

These are experimental results to be checked by the customer. Our Technical Department is at your disposal to test further cases out of this chart.

DOOR BRACKET SCREW FIX

On demand = 100 pcs

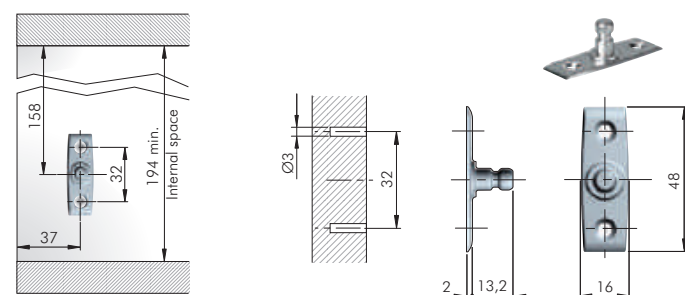
Zinc alloy nickel-plated



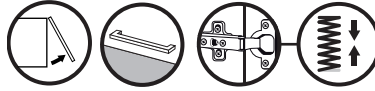
SIDE BRACKET SCREW FIX

On demand = 100 pcs

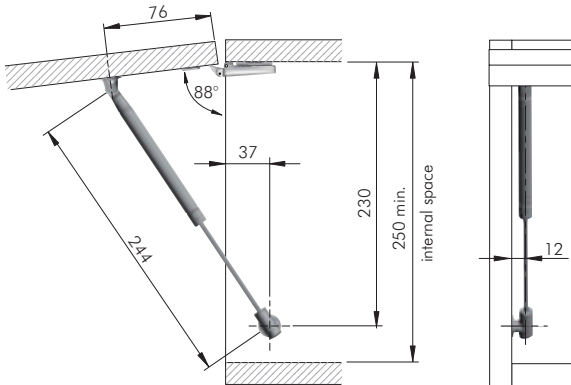
Zinc alloy nickel-plated



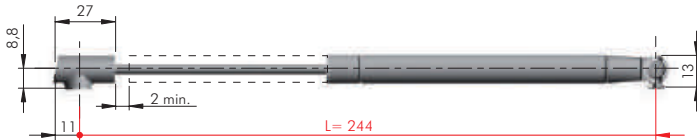
K12 SYSTEM 244 mm LIFT UP AUTOMATIC WITH STANDARD SPRUNG HINGES Opening with handle



DRILLING PLAN WITH BRACKETS Ø15 mm.



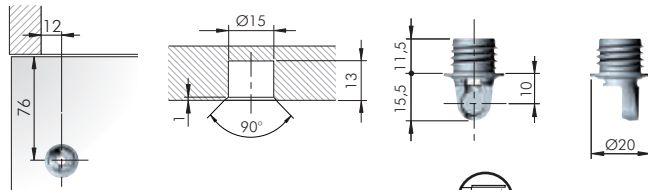
The dimensions of the above drilling plan refer to carcasses which use standard sprung hinges and mounting plates 0 mm.
Please note that the opening angle shown data is purely indicative and it varies with respect to the hinge brand.



ALL PARTS (STAY EXCLUDED) ARE MADE OF ZINC ALLOY NICKEL-PLATED, STEEL AND PLASTIC.

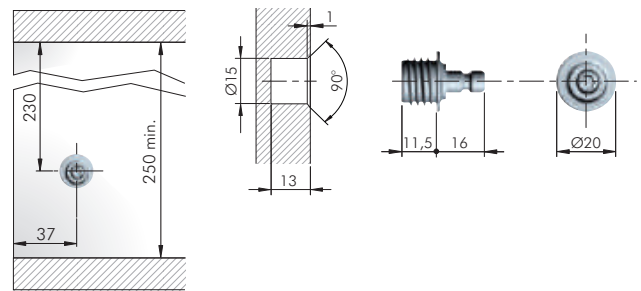
DOOR BRACKET Ø15 mm

Zinc alloy nickel-plated and steel



SIDE BRACKET Ø15 mm

Zinc alloy nickel-plated and steel



K12 SYSTEM 244 mm LIFT UP AUTOMATIC

372.05.004 - Set including 1 piston in 50N

372.05.006 - Set including 1 piston in 80N

= 1 set

Set 1: 100N - 120N - 140N - 160N - 180N On demand = 50 sets

Each set includes both Ø15mm door and side brackets and instruction sheet.

Rev. 02

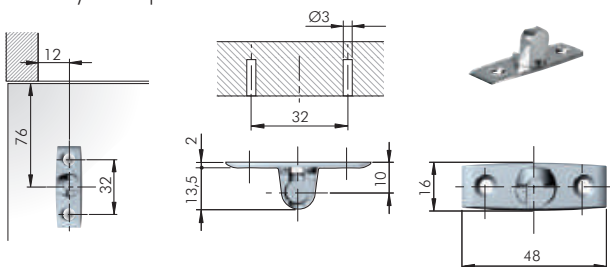
h	Door weight (Kg)																								
	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7	7,5	8	8,5	9	9,5	10	10,5	11	11,5	12	12,5	13
290 - 324	1x50N	1x80N		2x50N		2x80N							2x100N		2x120N		2x140N			2x160N		2x180N			
325 - 374	1x50N	1x80N	2x50N		2x80N							2x100N		2x120N		2x140N		2x160N		2x180N					
375 - 424	1x50N	1x80N	2x50N		2x80N					2x100N		2x120N		2x140N		2x160N		2x180N					3x140N		
425 - 474	1x50N	2x50N			2x80N					2x100N		2x120N		2x140N		2x160N		2x180N			3x160N		3x180N		
475 - 500	1x50N	2x50N		2x80N			2x100N			2x120N			2x140N		2x160N		2x180N		3x160N			3x180N			

These are experimental results to be checked by the customer. Our Technical Department is at your disposal to test further cases out of this chart.

DOOR BRACKET SCREW FIX

Zinc alloy nickel-plated

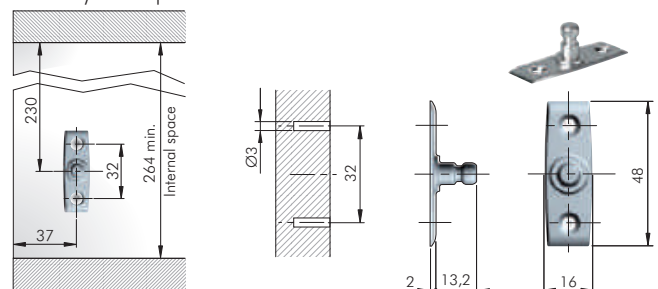
On demand = 50 pcs



SIDE BRACKET SCREW FIX

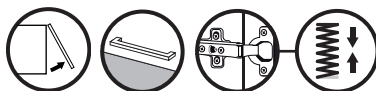
Zinc alloy nickel-plated

On demand = 50 pcs

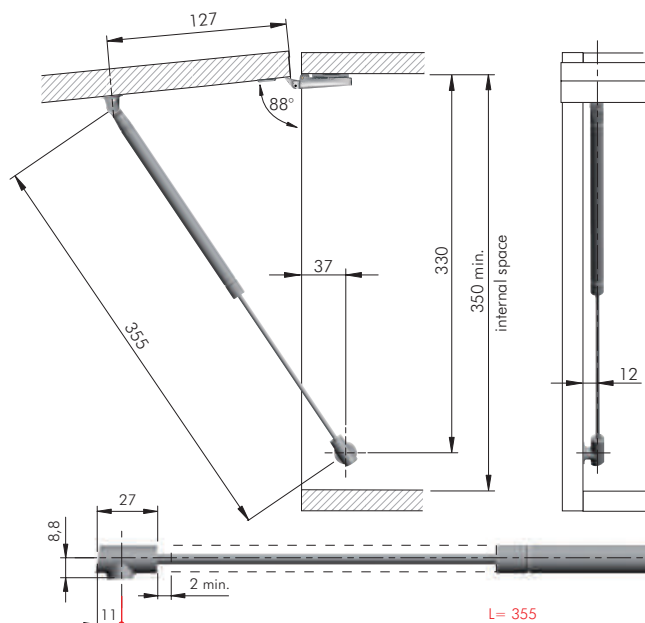


**K12 SYSTEM 355 mm LIFT UP AUTOMATIC
WITH STANDARD SPRUNG HINGES**

Opening with handle



DRILLING PLAN WITH BRACKETS Ø15 mm.



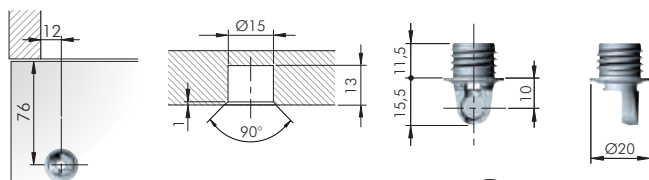
The dimensions of the side drilling plan refer to carcasses which use standard sprung hinges and mounting plates 0 mm.
Please note that the opening angle shown data is purely indicative and it varies with respect to the hinge brand.

ALL PARTS (STAY EXCLUDED) ARE MADE OF ZINC ALLOY NICKEL-PLATED, STEEL AND PLASTIC.



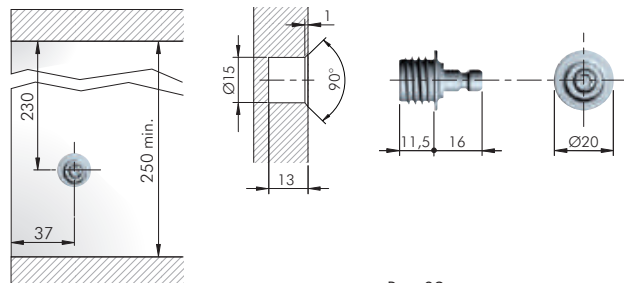
DOOR BRACKET Ø15 mm

Zinc alloy nickel-plated and steel



SIDE BRACKET Ø15 mm

Zinc alloy nickel-plated and steel



K12 SYSTEM 355 mm LIFT UP AUTOMATIC

Set 1: 60N - 90N - 110N

On demand = 50 sets

Each set includes both Ø15mm door and side brackets and instruction sheet.

Rev. 02

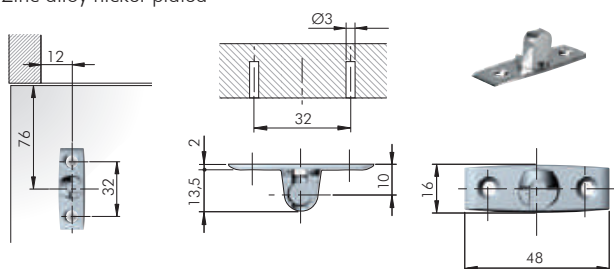
h	Door weight (Kg)																											
	1	1,5	2	2,5	3	3,5	4	4,5	5	5,5	6	6,5	7	7,5	8	8,5	9	9,5	10	10,5	11	11,5	12	12,5	13	13,5		
390 - 424	1x60N		1x90N		2x60N				2x90N				2x110N				3x90N											
425 - 474	1x60N		1x90N		2x60N				2x90N				2x110N				3x90N				3x110N							
475 - 524	1x60N		1x90N		2x60N				2x90N				2x110N				3x90N				3x110N				4x90N			
525 - 574	1x60N		1x90N		2x60N		2x90N				2x110N				3x90N				3x110N				4x90N				4x110N	
575 - 600	1x90N		2x60N		2x90N				2x110N				3x90N				3x110N				4x90N				4x110N			

These are experimental results to be checked by the customer. Our Technical Department is at your disposal to test further cases out of this chart.

DOOR BRACKET SCREW FIX

On demand = 50 pcs

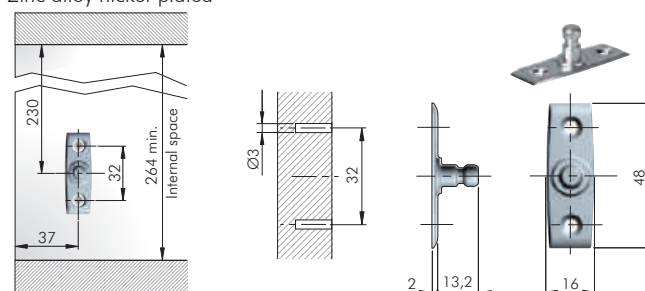
Zinc alloy nickel-plated



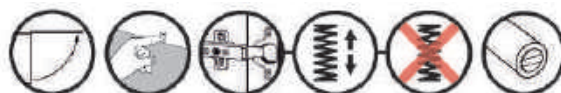
SIDE BRACKET SCREW FIX

On demand  = 50 pcs

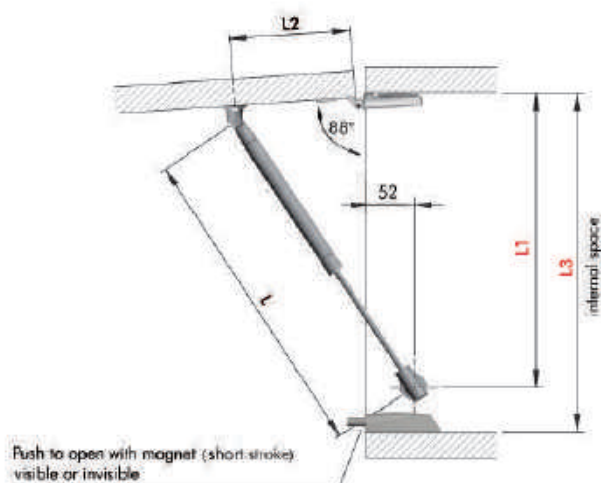
Zinc alloy nickel-plated



K12 SYSTEM LIFT UP WITH STANDARD UNSPRUNG OR NEGATIVE HINGES Automatic opening door with push to open with magnet (short stroke)



DRILLING PLAN WITH BRACKETS Ø15 mm.



Push to open with magnet (short stroke)

OPTION 2: Invisible

OPTION 1: Visible



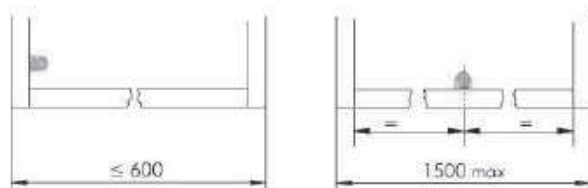
For pistons quantity and strength to be specified according to door size, refer to the related K12 System lift up automatic chart.

	L	L1	L2	L3 Ø 15 mm	L3 screw fix
K12 System 164 mm	164	147	41	170 min	184 min
K12 System 244 mm	244	224	71	245 min	259 min
K12 System 355 mm	355	325	121	345 min	359 min

The dimensions of the side drilling plans refer to carcasses which use standard unsprung or negative hinges and mounting plates 0 mm. Please note that the opening angle data shown is purely indicative. It varies with respect to the hinge brand and adjustment carried out.

INSTALLATION OF PUSH TO OPEN WITH MAGNET (SHORT STROKE) THROUGH ADAPTER HOUSING

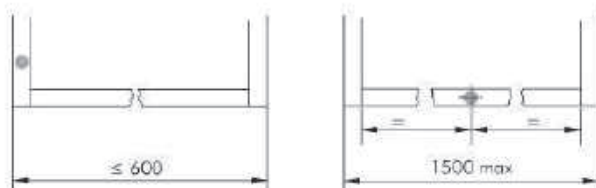
OPTION 1: VISIBLE



1 piece for door width ≤ 600 mm to be placed on same side as the K12 System.

INSTALLATION OF PUSH TO OPEN WITH MAGNET (SHORT STROKE) TO BE EMBEDDED INSIDE THE PANEL

OPTION 2: INVISIBLE



1 piece for door width ≤ 600 mm to be placed on same side as the K12 System.

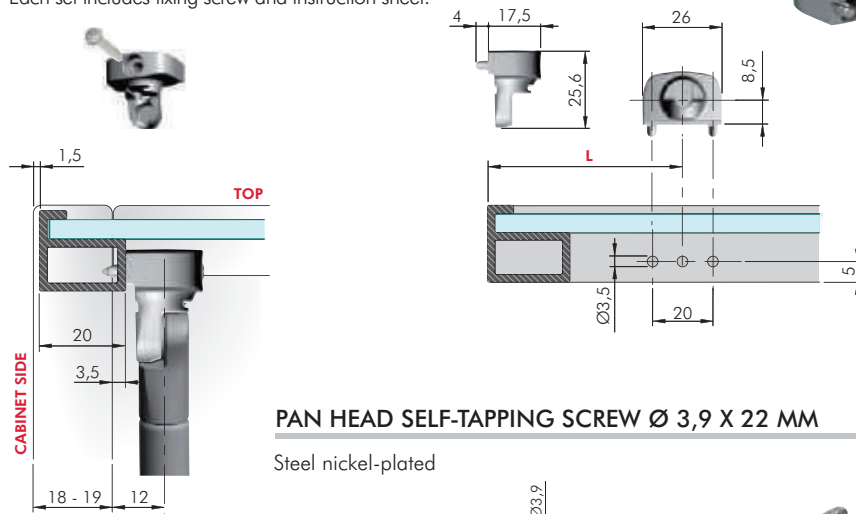
Our Technical Department is at your disposal to test wider doors.



K12 SYSTEM ADAPTER FOR ALUMINIUM FRAME DOOR 20 mm WIDE WITH CABINET SIDE 18-19 mm THICK

Set including 1 adapter
Zinc alloy and steel nickel-plated.
Each set includes fixing screw and instruction sheet.

On demand  = 50 sets



PAN HEAD SELF-TAPPING SCREW Ø 3,9 X 22 MM

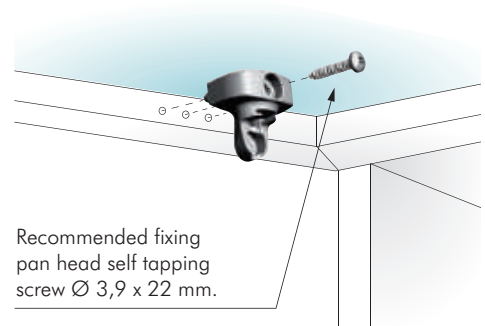
Steel nickel-plated



VERY IMPORTANT:
For cabinet side 16 mm thick a different adapter is required.



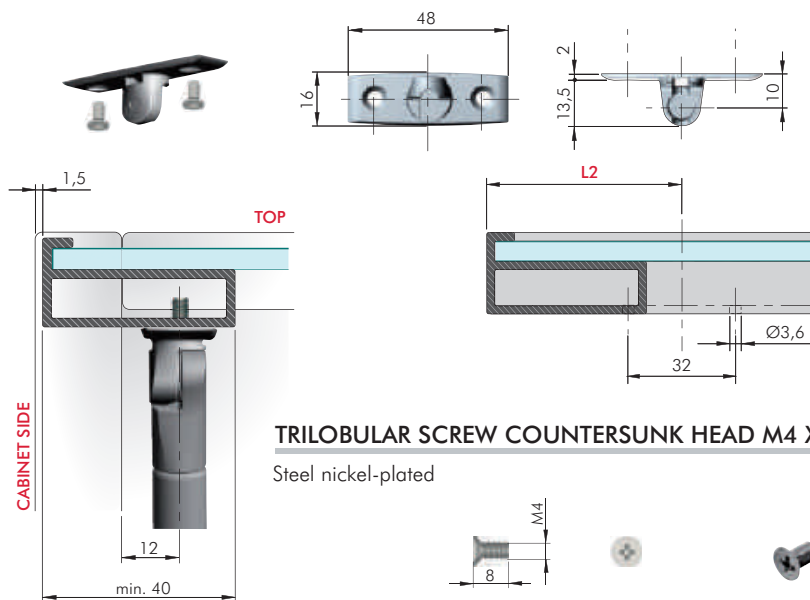
INSTALLATION



K12 SYSTEM DOOR BRACKET SCREW FIX FOR ALUMINIUM FRAME DOOR MINIMUM 40 mm WIDE

Set including 1 door bracket
Zinc alloy and steel nickel-plated.
Each set includes trilobular screws and instruction sheet.

On demand  = 50 sets

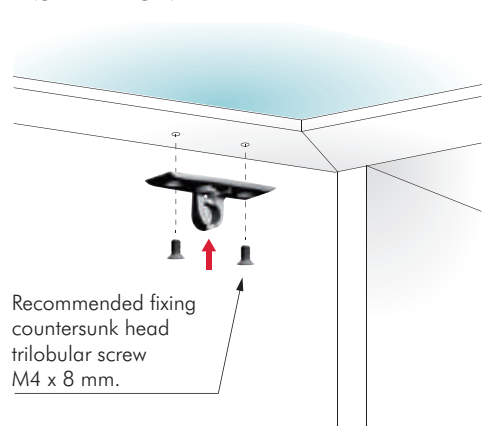


TRILOBULAR SCREW COUNTERSUNK HEAD M4 X 8 MM

Steel nickel-plated







INSTALLATION



ALUMINIUM FRAME DOOR DRILLING PLANS



	L2		L2	
				
K12 System 164 mm	39	41	43	43
K12 System 244 mm	76	71	76	76
K12 System 355 mm	127	121	121	121

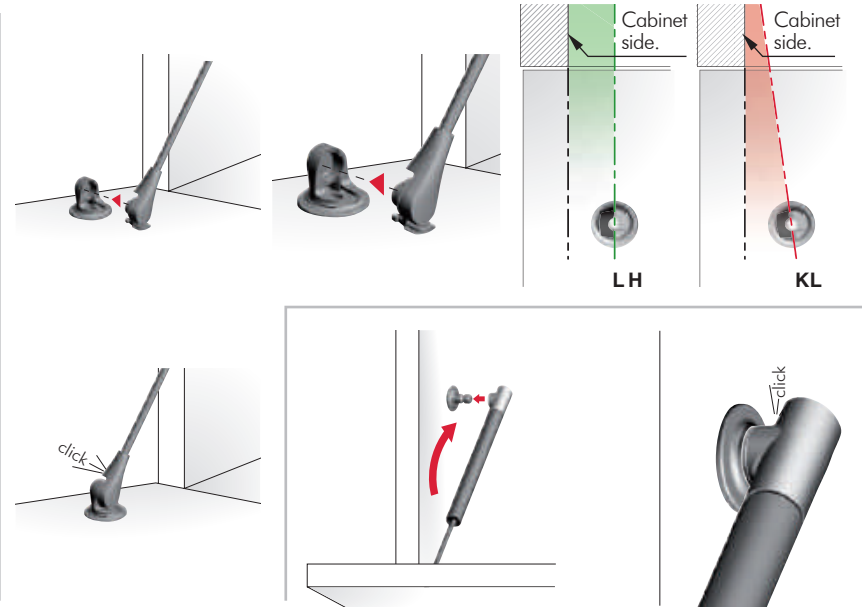
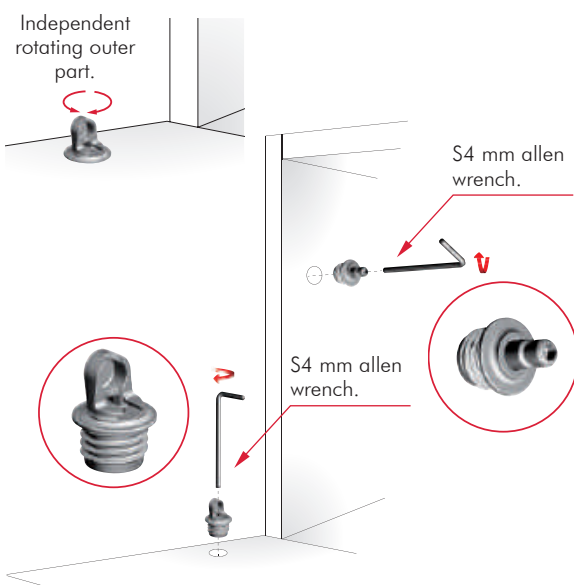


- ▶ Thanks to the reduced size and minimal design, the new K12 System provides a new concept of elegance in all details.
- ▶ "Zero" N strength, to suit any door dimension and weight.
- ▶ K12 System, an easy-to-install solution that makes additional screws unnecessary, improving the aesthetic and reducing assembling time.
- ▶ K12 System operates through click-in door and side supports, sensibly reducing the risk of unsafe or improper installation.
- ▶ Available in 3 different lengths 164, 244, 355 mm.
- ▶ All parts (stay excluded) are made of zinc alloy nickel plated, steel and engineering plastic.
- ▶ In accordance with Italian Regulation UNI 8607/05 Level 5.

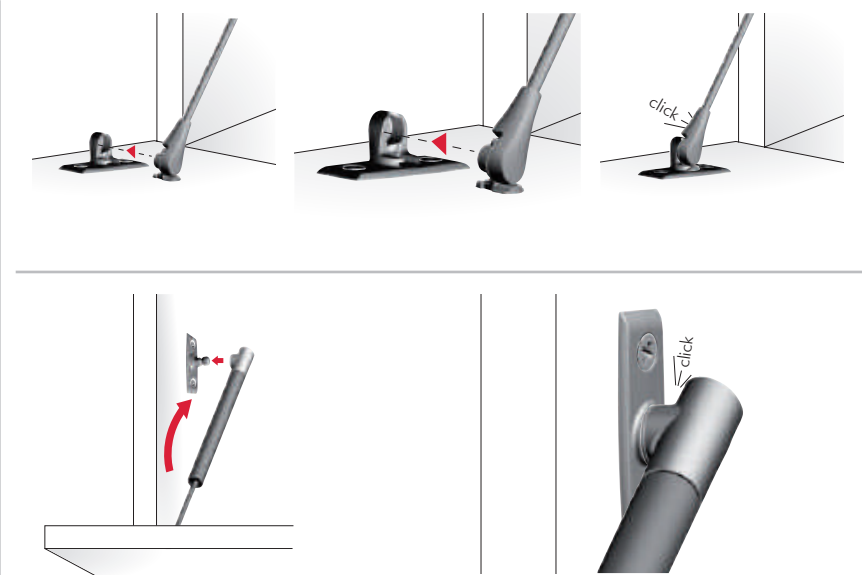
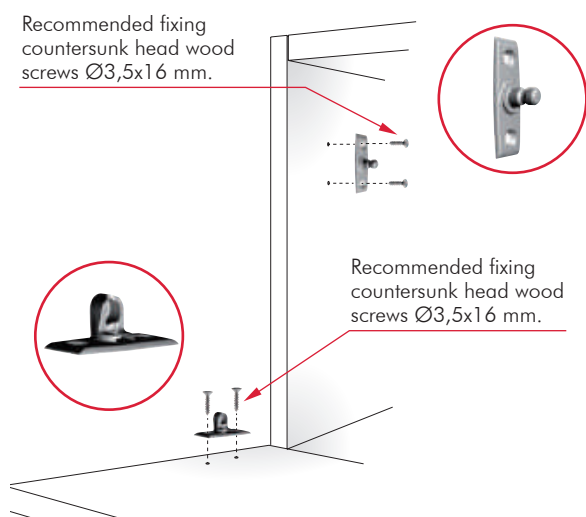


PAT.PENDING

BRACKETS Ø15 INSTALLATION



SCREW FIXING BRACKETS INSTALLATION





ALL PARTS (STAY EXCLUDED) ARE MADE OF ZINC ALLOY NICKEL-PLATED, STEEL AND PLASTIC.

K12 SYSTEM 164 mm DROP DOWN

Set including 1 piston in "zero" N

Each set includes both Ø15mm door and side brackets and instruction sheet.

On demand = 100 sets



h	Door weight (Kg)					
	1	2	3	4	5	6
/ -- 1	1 x K12		2 x K12			
// 2 41	1 x K12	2 x K12				3 x K12
/ 42 - -	1 x K12	2 x K12			3 x K12	

Rev. 02



K12 SYSTEM 244 mm DROP DOWN

365.60.700 - Set including 1 piston in "zero" N

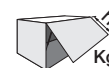
Each set includes both Ø15mm door and side brackets and instruction sheet.

On demand = 1 set



Rev. 02

h	Door weight (Kg)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	
290 - 324	1 x K12			2 x K12					3 x K12					4 x K12
325 - 374	1 x K12		2 x K12					3 x K12				4 x K12		
375 - 424	1 x K12		2 x K12			3 x K12				4 x K12				
425 - 474	1 x K12		2 x K12		3 x K12			4 x K12				-		
475 - 500	1 x K12		2 x K12		3 x K12		4 x K12			-				



K12 SYSTEM 355 mm DROP DOWN

274.50.951 - Set including 1 piston in "zero" N

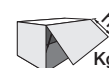
Each set includes both Ø15mm door and side brackets and instruction sheet.

On demand = 1 set



Rev. 02

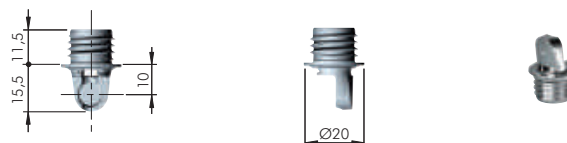
h	Door weight (Kg)													
	1	2	3	4	5	6	7	8	9	10	11	12	13	
390 - 424	-			1 x K12			2 x K12							3 x K12
425 - 474	-			1 x K12			2 x K12						3 x K12	
475 - 524	-		1 x K12			2 x K12						3 x K12		
525 - 574	-	1 x K12			2 x K12			3 x K12						
575 - 600	1 x K12			2 x K12			3 x K12						4 x K12	



These are experimental results to be checked by the customer. In accordance with the actual European Regulation, we suggest to use at least two stays for each door. Our Technical Department is at your disposal to test further cases out of this chart.

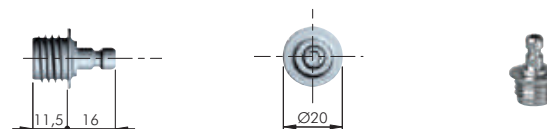
DOOR BRACKET Ø15 mm

Zinc alloy nickel-plated and steel



SIDE BRACKET Ø15 mm

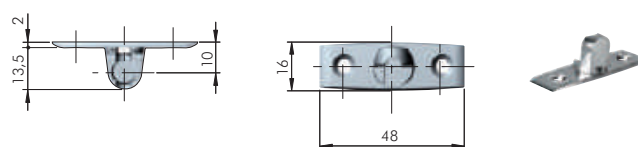
Zinc alloy nickel-plated and steel



DOOR BRACKET SCREW FIX

On demand = 50 pcs

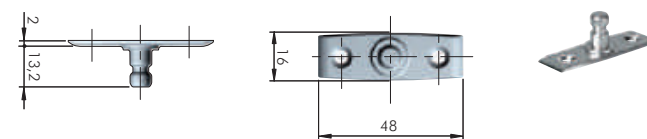
Zinc alloy nickel-plated



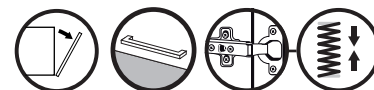
SIDE BRACKET SCREW FIX

On demand = 50 pcs

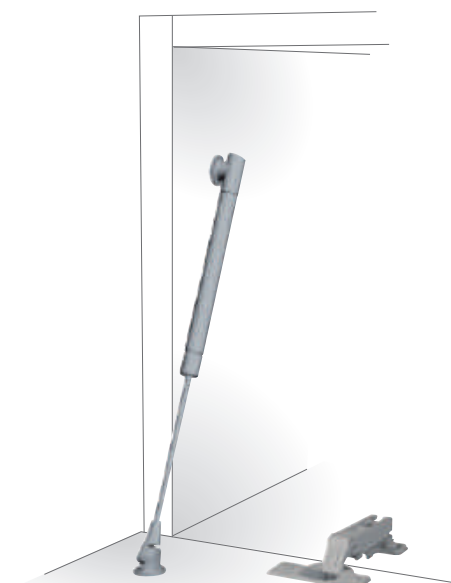
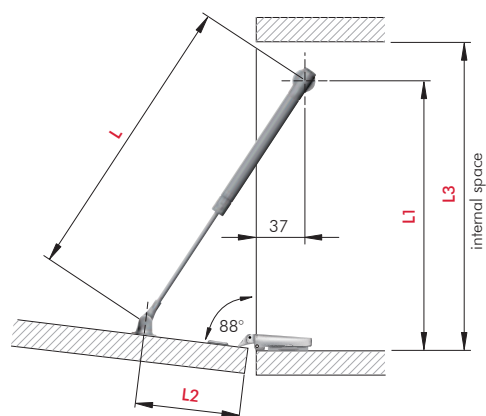
Zinc alloy nickel-plated



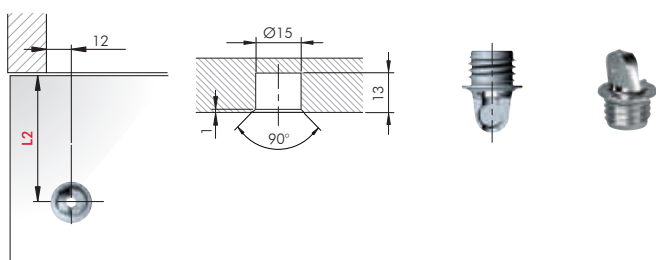
K12 SYSTEM DROP DOWN WITH STANDARD SPRUNG HINGES Opening with handle



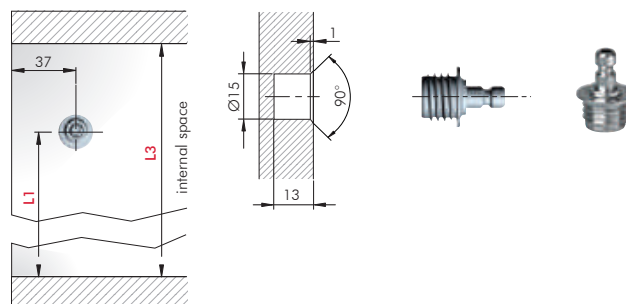
DRILLING PLAN WITH BRACKETS Ø 15mm



DOOR BRACKET Ø15 mm



SIDE BRACKET Ø15 mm

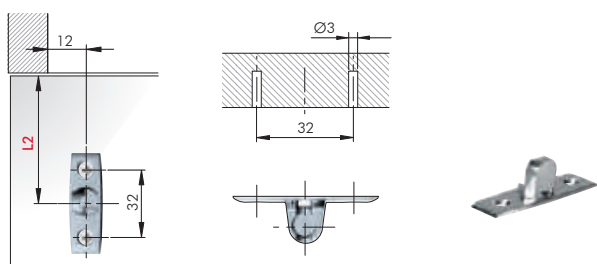


For pistons quantity to be specified according to door size, refer to related K12 System drop down chart.

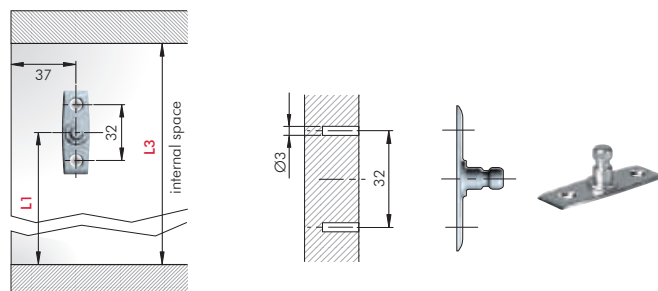
	L	L1	L2	L3 Ø 15 mm	L3 screw fix
K12 System 164 mm	164	158	39	180 min	194 min
K12 System 244 mm	244	230	76	250 min	264 min
K12 System 355 mm	355	330	127	350 min	364 min

The dimensions of the above drilling plans refer to carcasses which use standard sprung hinges and mounting plates 0 mm.
Please note that the opening angle shown data is purely indicative. It varies with respect to the hinge brand and adjustment carried out.

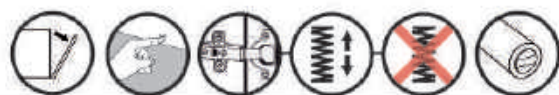
DRILLING PLAN WITH DOOR BRACKET SCREW FIX



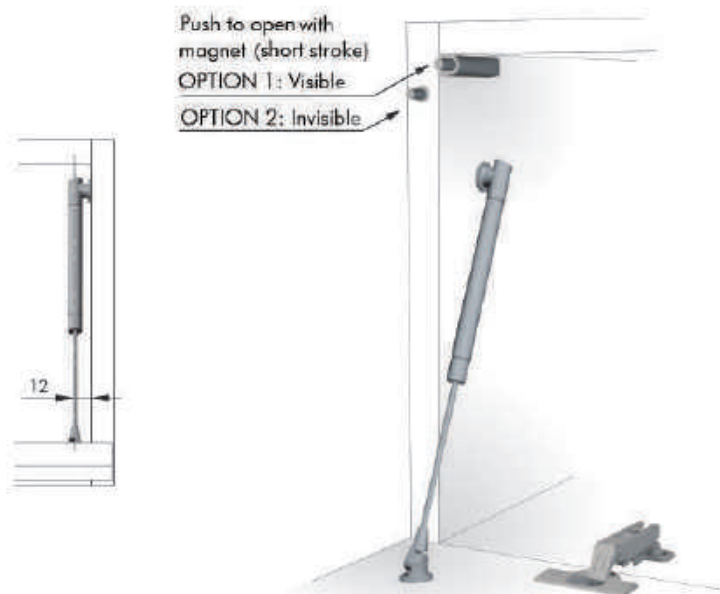
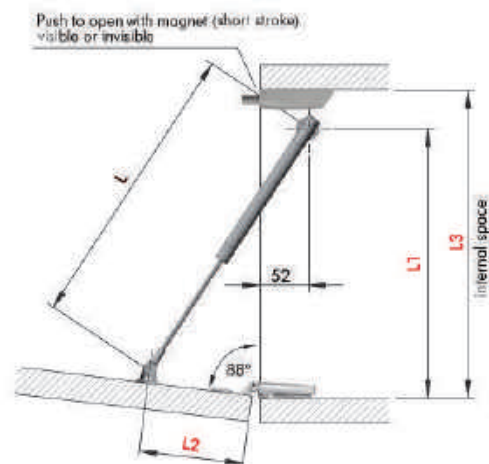
DRILLING PLAN WITH SIDE BRACKET SCREW FIX



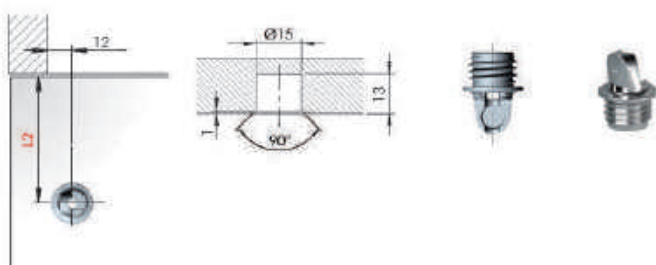
K12 SYSTEM DROP DOWN WITH STANDARD UNSPRUNG OR NEGATIVE HINGES Automatic opening door with push to open with magnet (short stroke)



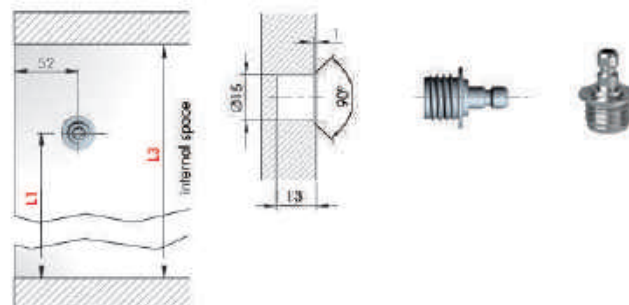
DRILLING PLAN WITH BRACKETS Ø 15mm



DOOR BRACKET Ø 15 mm



SIDE BRACKET Ø 15 mm

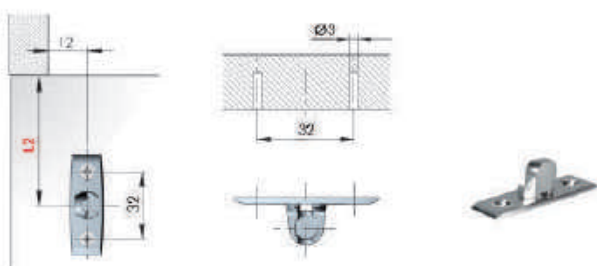


For pistons quantity to be specified according to door size, refer to related K12 System drop down chart.

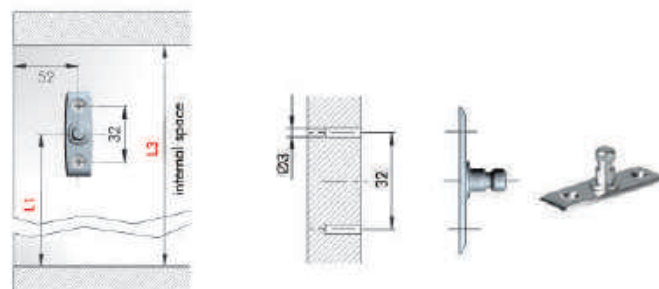
	L	L1	L2	L3 Ø 15 mm	L3 screw fix
K12 System 164 mm	164	147	41	170 min	184 min
K12 System 244 mm	244	224	71	245 min	259 min
K12 System 355 mm	355	325	121	345 min	359 min

The dimensions of the above drilling plans refer to carcasses which use standard unsprung or negative hinges and mounting plates 0 mm. Please note that the opening angle data shown is purely indicative. It varies with respect to the hinge brand and adjustment carried out.

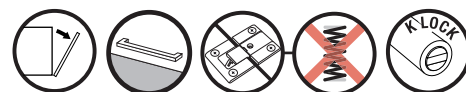
DRILLING PLAN WITH DOOR BRACKET SCREW FIX



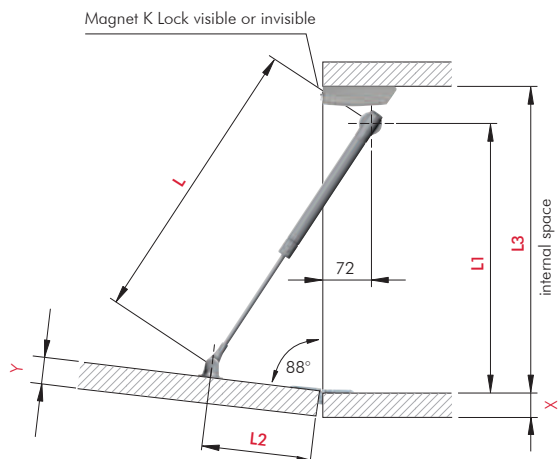
DRILLING PLAN WITH SIDE BRACKET SCREW FIX



K12 SYSTEM DROP DOWN WITH KIMANA HINGES Opening with handle and magnet K Lock



DRILLING PLAN WITH BRACKETS Ø 15mm

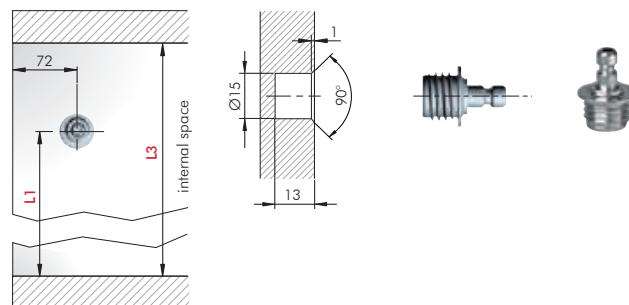
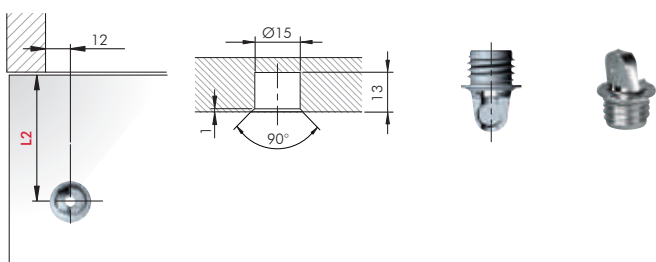


The dimensions of the above drilling plan refer to carcasses which use Kimana hinges.

In accordance with the actual European Regulation, we suggest to use at least two stays for each door (extra-size doors might require 3 or more gas stays).

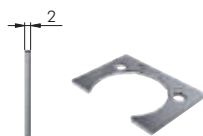
DOOR BRACKET Ø15 mm

SIDE BRACKET Ø15 mm



For pistons quantity to be specified according to door size, refer to related K12 System drop down chart.

	L	L2	L3 Ø 15 mm	L3 screw fix
K12 System 164 mm	164	43	150 min	164 min
K12 System 244 mm	244	76	225 min	239 min
K12 System 355 mm	355	121	335 min	349 min



K12 SYSTEM 164 MM

X +	Y +	L1
* 18 + 2	18	129
19	19	127

K12 SYSTEM 244 MM

X +	Y +	L1
* 18 + 2	18	208
19	19	206

K12 SYSTEM 355 MM

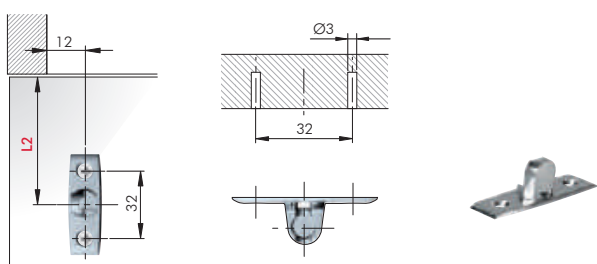
X +	Y +	L1
* 18 + 2	18	314
19	19	312

For different cabinet and door thicknesses, please contact the office.

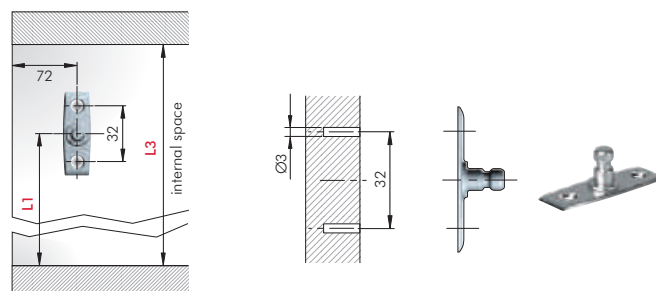
* Kimana adapter not required in case 2 mm vertical adjustment is carried out.

For Kimana and adapter details refer to section "HINGES".

DRILLING PLAN WITH DOOR BRACKET SCREW FIX



DRILLING PLAN WITH SIDE BRACKET SCREW FIX

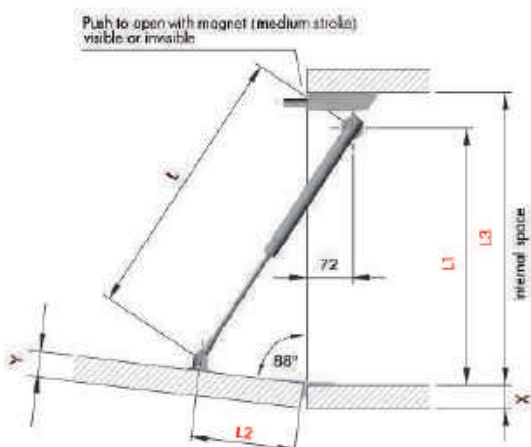


K12 SYSTEM DROP DOWN WITH KIMANA HINGES

Automatic opening door with push to open with magnet (medium stroke)



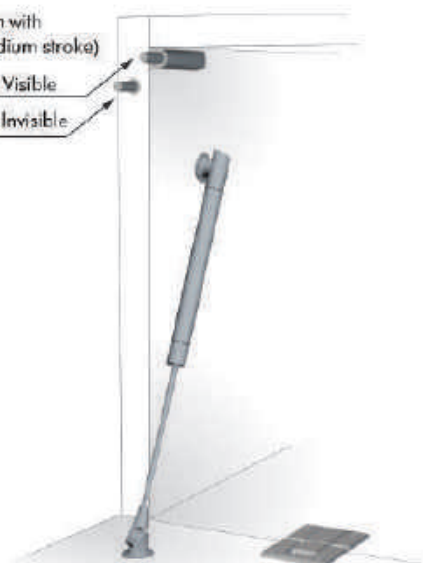
DRILLING PLAN WITH BRACKETS Ø 15 mm



Push to open with magnet (medium stroke)

OPTION 1: Visible

OPTION 2: Invisible

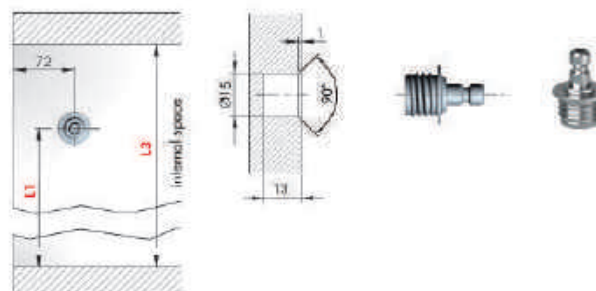
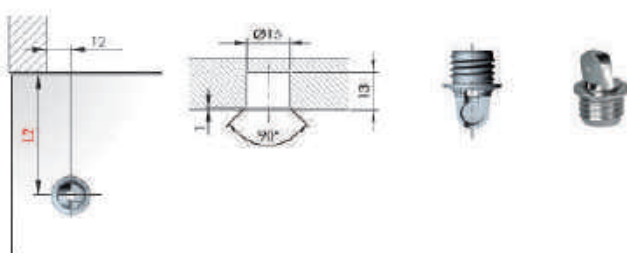


The dimensions of the above drilling plan refer to carcasses which use Kimana hinges.

In accordance with the actual European Regulation, we suggest to use at least two stays for each door (extra-size doors might require 3 or more gas stays).

DOOR BRACKET Ø15 mm

SIDE BRACKET Ø15 mm



For pistons quantity to be specified according to door size, refer to related K12 System drop down chart.

	L	L2	L3 Ø 15 mm	L3 screw fix
K12 System 164 mm	164	43	150 min	164 min
K12 System 244 mm	244	76	225 min	239 min
K12 System 355 mm	355	121	335 min	349 min



K12 SYSTEM 164 MM

X +	Y +	L1
* 18 + 2	18	129
19	19	127

K12 SYSTEM 244 MM

X +	Y +	L1
* 18 + 2	18	208
19	19	206

K12 SYSTEM 355 MM

X +	Y +	L1
* 18 + 2	18	314
19	19	312

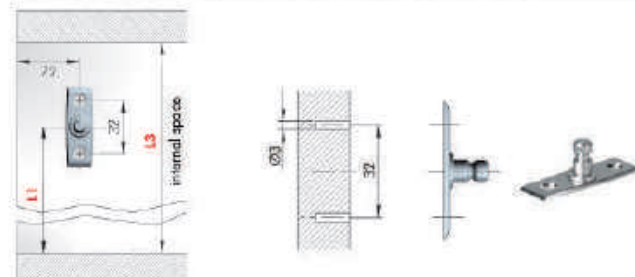
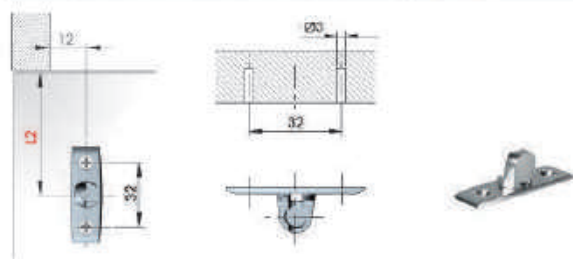
For Kimana and adapter details refer to section "HINGES".

For different cabinet and door thicknesses, please contact the office.

* Kimana adapter not required in case 2 mm vertical adjustment is carried out.

DRILLING PLAN WITH DOOR BRACKET SCREW FIX

DRILLING PLAN WITH SIDE BRACKET SCREW FIX



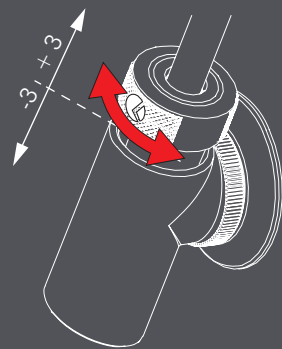


K12 SYSTEM ADJUSTABLE VERSION IS NOW AVAILABLE ON DEMAND





K12 SYSTEM ADJ provides an integrated mechanism for the adjustment of the opening angle, in order to align with nearby shutters.





Kiaro

FEATURES

MINIMAL AND ELEGANT DESIGN

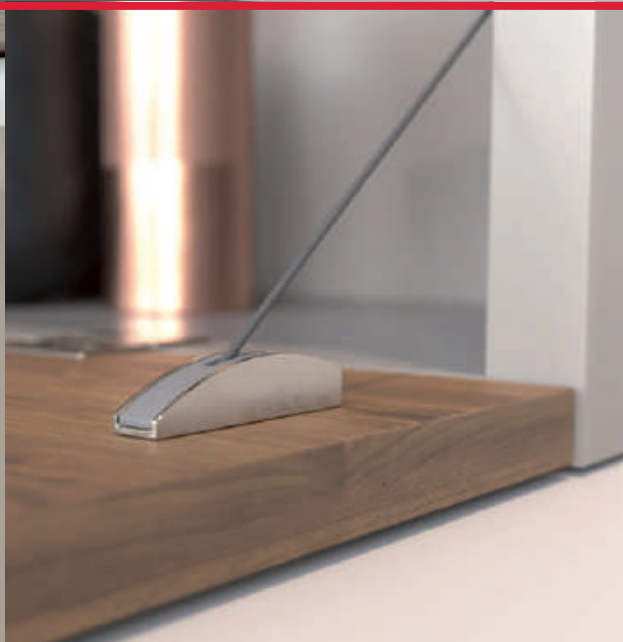
Wire opening system with reduced size and elegant shapes, becoming an element of design for whole cabinet.

OPTIMIZED STOCK MANAGEMENT

One reference to cover a wide range of door weights and dimensions.

TWO-HANDED MECHANISM

The same mechanism can be installed both on right and left side.



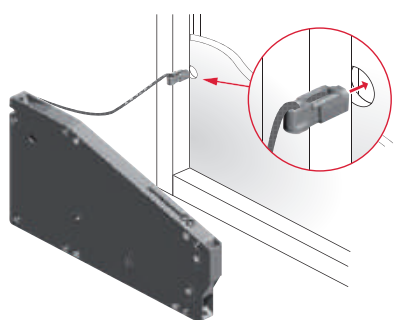
*Door bracket for screw fixing
without milling on the door*



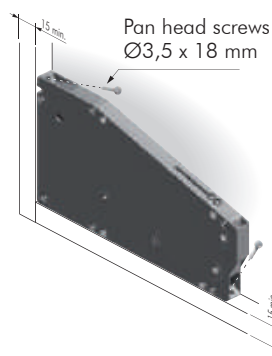
- ▶ Kiaro is an opening system for drop down doors with a concealed mechanism which allows to adjust the settings depending on door weight and dimension, thus enabling to manage a wide range of doors with only one reference.
- ▶ As it is a two-handed mechanism, it can be installed both on right and left side. A high resistance technical wire grants a significant loading capacity together with minimal shapes and elegant design.
- ▶ Available in two finishes which respond to the current overriding trends in the furniture appliances industry.
- ▶ **EASY INSTALLATION:** The opening system can be installed with an easy mounting of the lateral profile on the cabinet side and an easy fixation of the wire onto the door.
- ▶ **INTEGRATED LED LIGHTING:** Available also with an integrated decorative led lighting which includes an innovative activation system.
- ▶ **HANDLELESS DOORS:** Just one K PUSH TECH enables the door opening, with any door weight and size.
- ▶ **WIDE ADJUSTMENT:** The mechanism allows a wide adjustment of the opening angle.



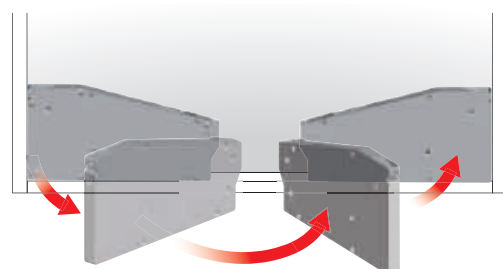
MECHANISM INSTALLATION



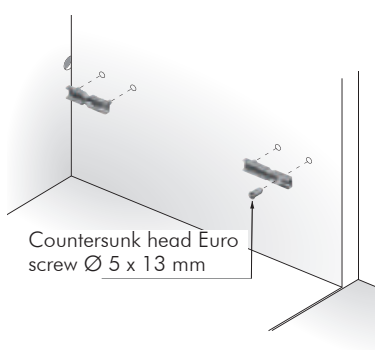
MECHANISM FIXING



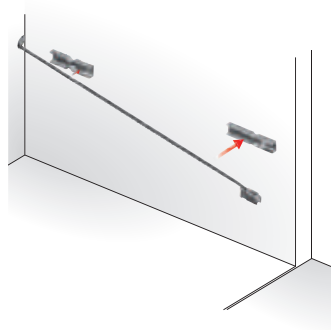
UNHANDED MECHANISM



BRACKETS INSTALLATION



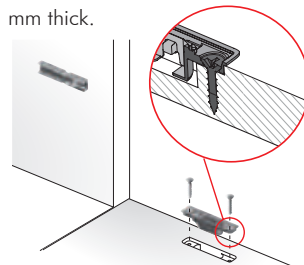
WIRE INSTALLATION



DOOR BRACKET INSTALLATION

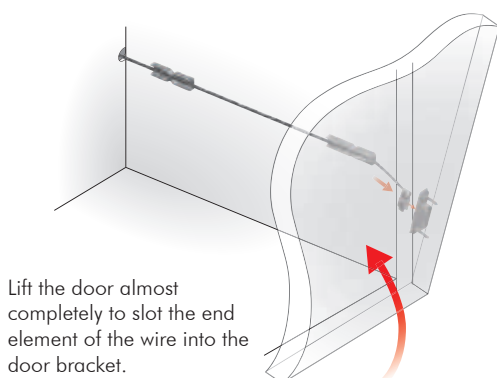
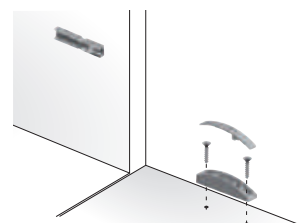
EMBEDDED

Recommended fixing countersunk head wood screws Ø3,5x16 mm for door min.18 mm thick.



SCREW FIX

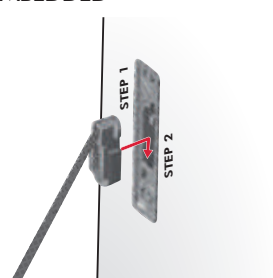
Recommended fixing countersunk head wood screws Ø3,5x16 mm or Euro thread screws with head Ø7 mm.



Lift the door almost completely to slot the end element of the wire into the door bracket.

WIRE INSERTION ONTO THE DOOR BRACKET

EMBEDDED



SCREW FIX



STEP 1



STEP 2



click

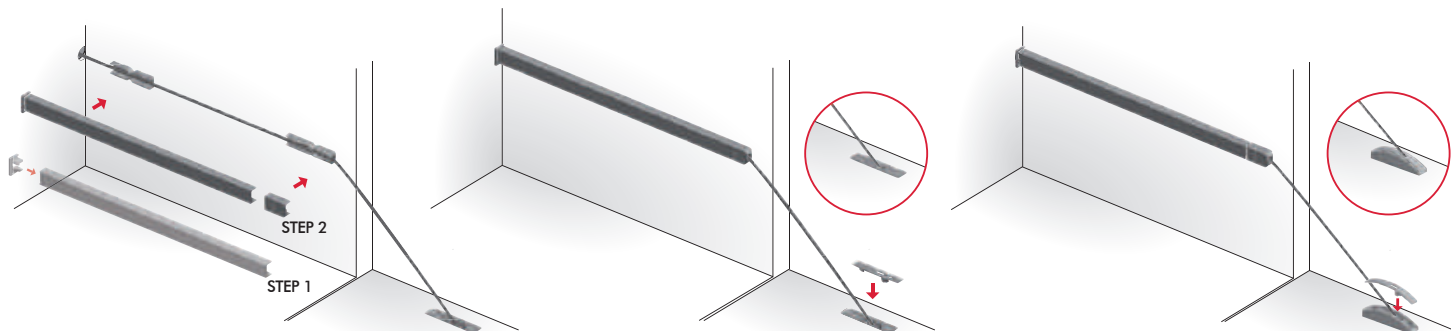
ALUMINIUM LATERAL PROFILE INSERTION

DOOR BRACKETS COVER CAP INSERTION

 Place the cover cap on the door bracket before lifting the door.

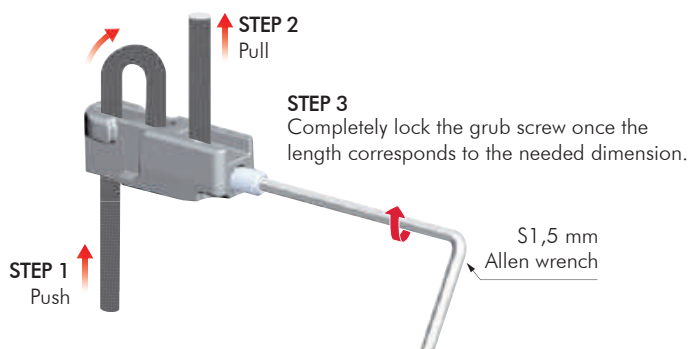
EMBEDDED

SCREW FIX

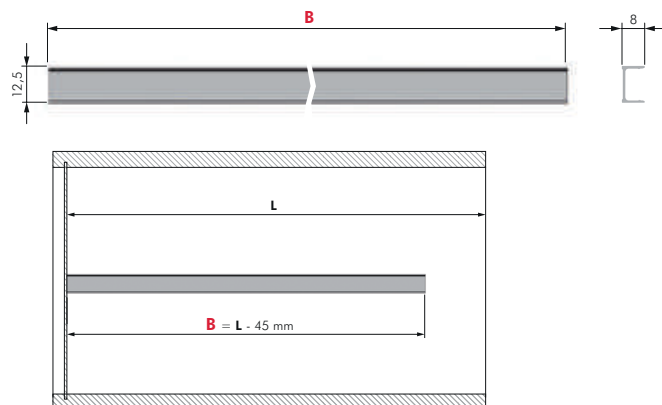


INSTRUCTIONS FOR WIRE CUTTING

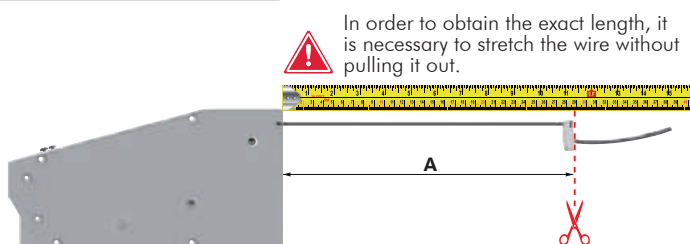
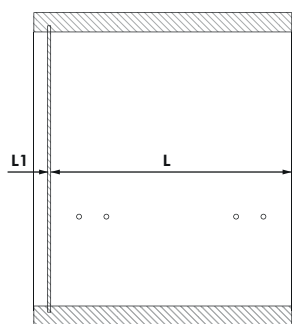
INSERTION OF THE WIRE INTO THE END PART AND LOCKING WITH M3 GRUBSCREW



INSTRUCTION FOR ALU. PROFILE CUTTING



WIRE CUTTING WITH UNMOUNTED MECHANISM



VERY IMPORTANT:
Before cutting, it is necessary to lock the grub screw heavily.

EMBEDDED DOOR BRACKET



$$A = L1 + L$$

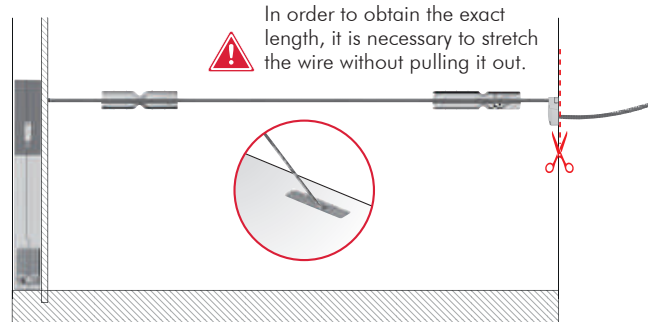
SCREW FIX DOOR BRACKET



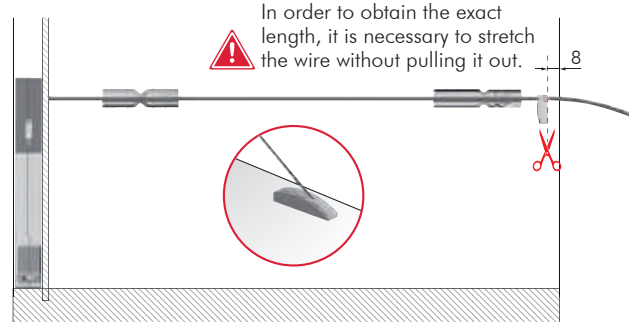
$$A = L1 + L - 8$$

WIRE CUTTING WITH MOUNTED MECHANISM

EMBEDDED DOOR BRACKET

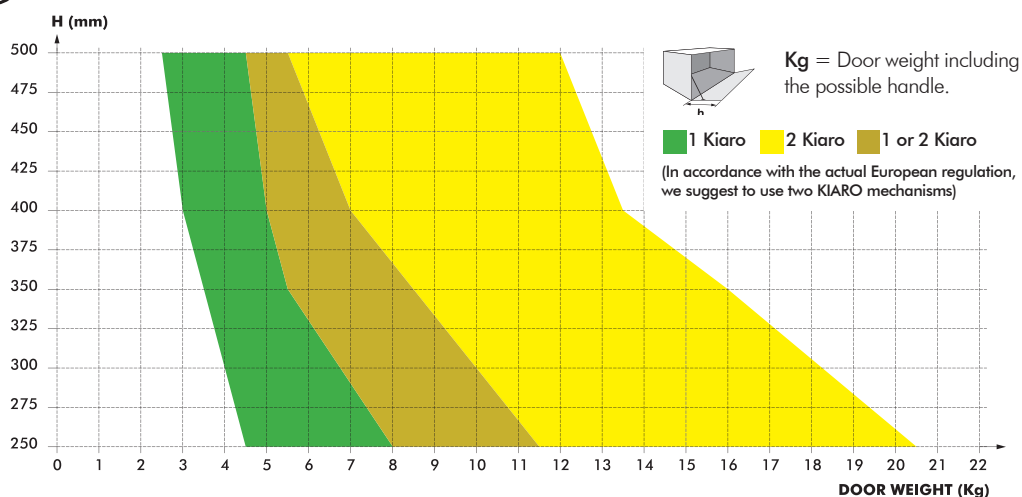


SCREW FIX DOOR BRACKET





SOFT OPENING



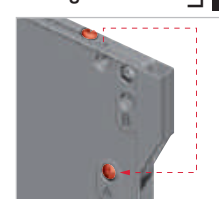
In case the door weight/dimensions are bigger or smaller than those reported on the chart, our technical department is at your disposal to test further cases.

ADJUSTMENT OF STRENGTH SETTINGS

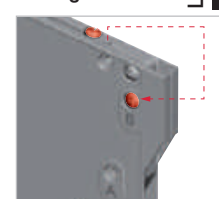
No setting



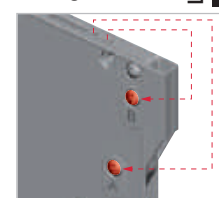
Setting "A"



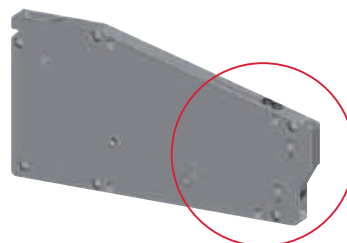
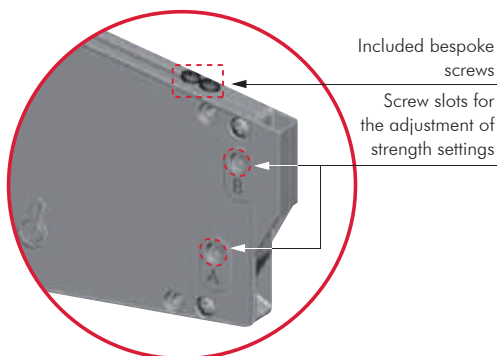
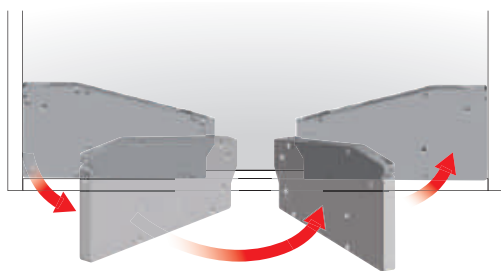
Setting "B"



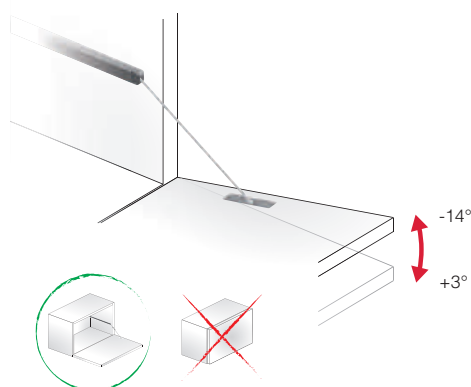
Setting "A + B"



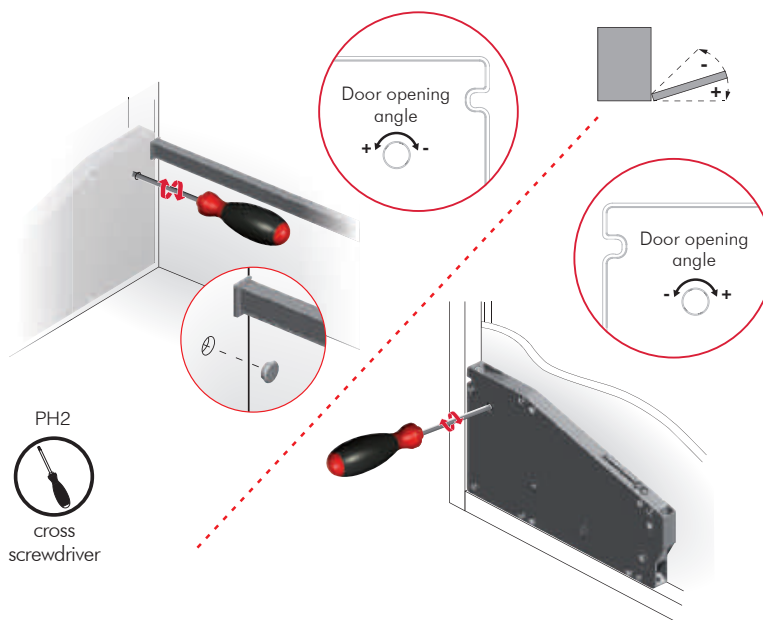
UNHANDED MECHANISM



DOOR OPENING ANGLE ADJUSTMENT



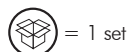
VERY IMPORTANT:
The opening angle adjustment can be carried out only with open door.



SET 1 KIARO

Steel, plastic and zinc alloy.

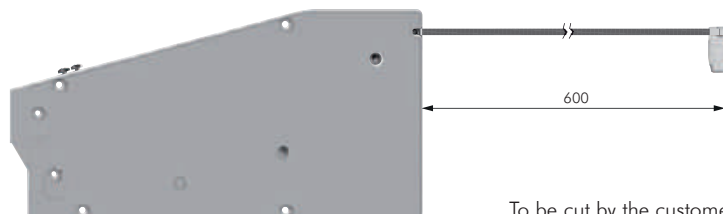
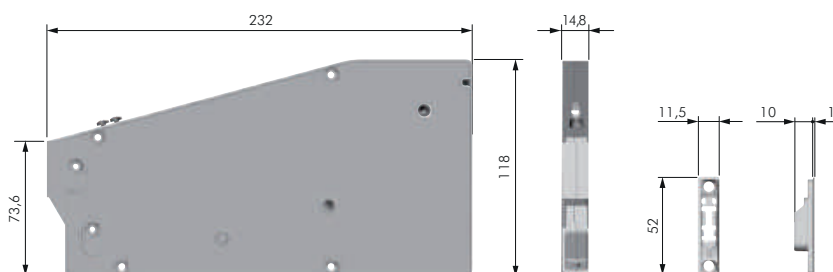
ARTICLE NO. (*special order)	FINISH/COLOUR
365.47.010	Kiario nickel (in combination with T-Met profile)
365.47.011	Kiario gunmetal



The set is supplied in carton box, including the following parts:



NOTE: Screw fixations for Kiario mechanism and door bracket not included.



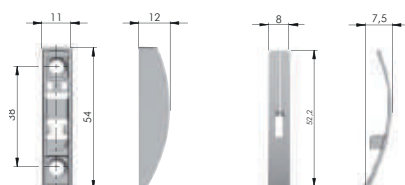
To be cut by the customer.

DOOR BRACKET SCREW FIX

ARTICLE NO.	FINISH/COLOUR
*special article	Zinc alloy and plastic.
*special article	Set in nickel.
*special article	Set in black nickel.

Minimum Order Quantity = 100 pcs

Each set includes door bracket, cover, both countersunk head and Euro thread screws and instruction sheet.

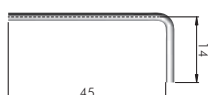


ALLEN KEY S1,5 L. 45 x14 mm

ARTICLE NO.	FINISH/COLOUR
*special article	Steel zinc-plated.

Minimum Order Quantity

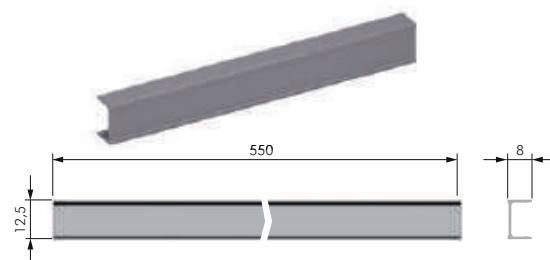
= 1000 pcs



ALUMINIUM PROFILE

ARTICLE NO. (*special order)	FINISH/COLOUR
365.47.012	T-Met.
365.47.013	Gunmetal.

= 1 pc



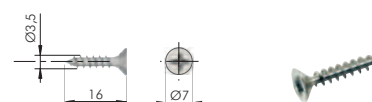
PAN HEAD WOOD SCREW Ø 3,5 x 18 mm

ARTICLE NO.	FINISH/COLOUR	Minimum Order Quantity
*special article	Steel zinc-plated.	= 1000 pcs



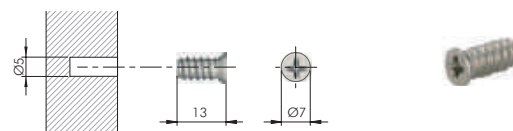
COUNTERSUNK HEAD WOOD SCREW Ø 3,5 x 16 mm

ARTICLE NO.	FINISH/COLOUR	Minimum Order Quantity
*special article	Steel zinc-plated.	= 1000 pcs



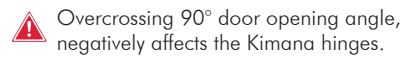
EURO THREAD SCREW WITH HEAD Ø 7 x 13 mm

Steel zinc-plated.



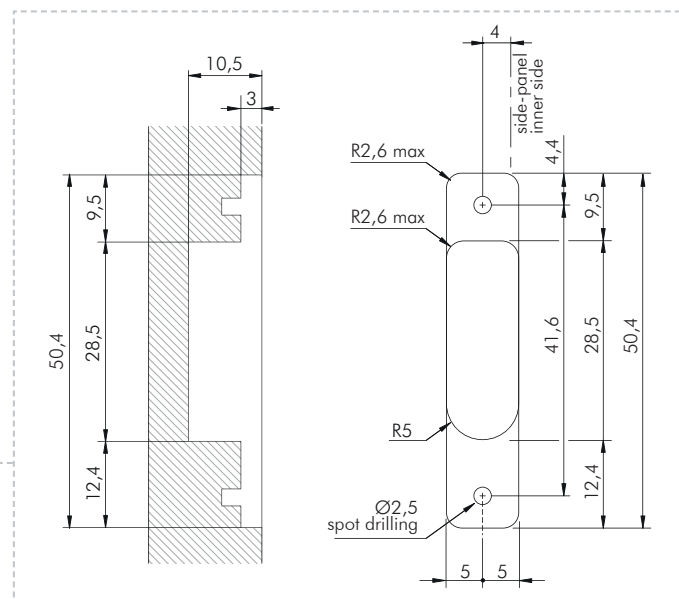


SERVICE GAP

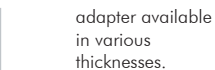


EMBEDDED DOOR BRACKET

Recommended fixing countersunk head wood screws
Ø 3,5 x 16 mm for door min.18 mm thick.



Recommended fixing countersunk head wood screws
Ø 3,5 x 16 mm or Euro thread screws with head Ø 7 x 13 mm.



	$X + \text{C}$	$Y + \text{C}$
*	$18 + 2$	18
	19	19

* Kimana adapter not required in case 2 mm adjustment is carried out.

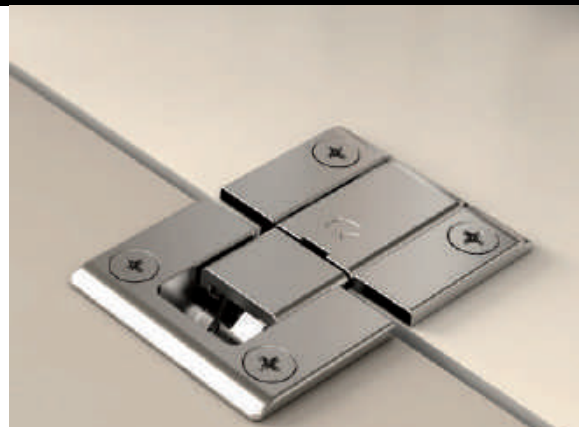


For Kimana and adapter details refer to section "HINGES".

In case other hinges than KIMANA are used, it is necessary to contact an authorized dealer for a correct drilling scheme. For this purpose, use the form on the Italiana Ferramenta website (product KIARO) to provide the required specifications.



- ▶ Kimana is the new hinge conceived by Italiana Ferramenta to open and close drop-down doors. Provided with a unique and exclusive movement, it allows to open doors even when the bottom lies upon another panel.
- ▶ The small dimensions (Ø 26 mm boring for both the door and the bottom) and minimalistic and elegant design contribute to make Kimana not only a functional hinge, but also a product unique in its genre.
- ▶ Kimana can be easily adjusted through the screws (PZ2) which are hidden underneath the cover.
- ▶ The fixing screws are perpendicular, thus making Kimana perfectly placed in position and suitable for aluminium profiles.
- ▶ Various door and bottom thickness-combinations can be solutioned as Kimana allows the ideal movement and alignment of the door.
- ▶ Zinc alloy and steel.



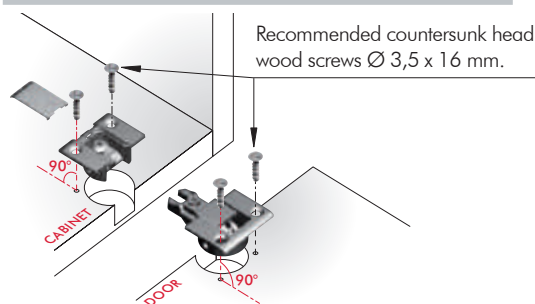
PAT.PENDING

REGISTERED DESIGN



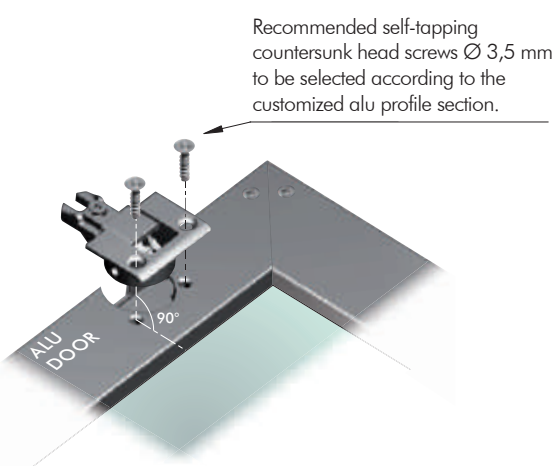
INSTALLATION ON UNIT WITH SOLID DOOR

(Application shown for minimum thickness 18 mm)

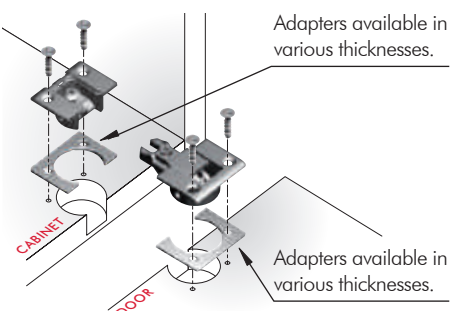


INSTALLATION ON UNIT WITH ALUMINIUM DOOR

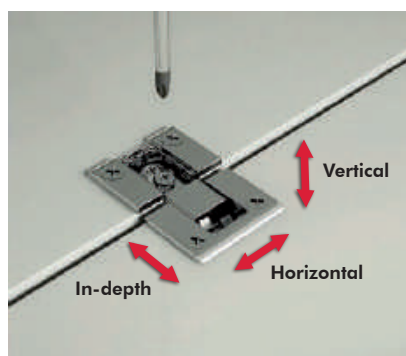
(Application shown for minimum thickness 18 mm)



INSTALLATION WITH ADAPTERS



ADJUSTMENTS



IN-DEPTH 0+2 mm

LATERAL 0+1 mm

VERTICAL 0+2 mm

COVER CAP INSERTION



The technical drawings illustrate the dimensions and connection details for a window frame assembly. The main elevation shows a frame with a height of 1,5m and a width of 1,5m. The frame is divided into three vertical sections, each 1,5m high. The bottom section is labeled 'PLATFORM'. Two red circles, labeled 1 and 2, indicate specific connection points. Detail 1 shows a cross-section of the frame with a 2 min. (minimum) dimension. Detail 2 shows a cross-section of the frame with a 2 min. (minimum) dimension and a 0,5m dimension.

RECOMMENDED NUMBER OF KIMANA PER DOOR

Horizontal box plot showing door width (mm) for different numbers of hinges (2, 3, 4, 5). The x-axis represents door width in mm, ranging from 0 to 2500. The plot shows that as the number of hinges increases, the door width also increases. A specific range of 60-100 mm is highlighted for the 4-hinge category.

Hinges	Min	Q1	Median	Q3	Max
2	~200	~300	~400	~800	~850
3	~200	~400	~600	~1400	~1500
4	~200	~500	~800	~2000	~2400
5	~200	~500	~1000	~2400	~2500

Each set includes wood screws and instruction sheet.

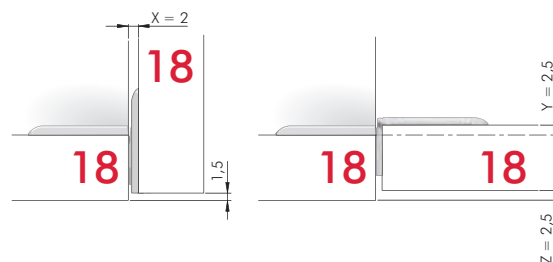
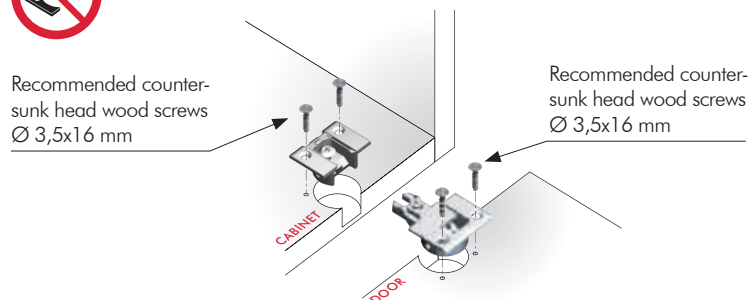


APPLICATIONS ON DETAIL:

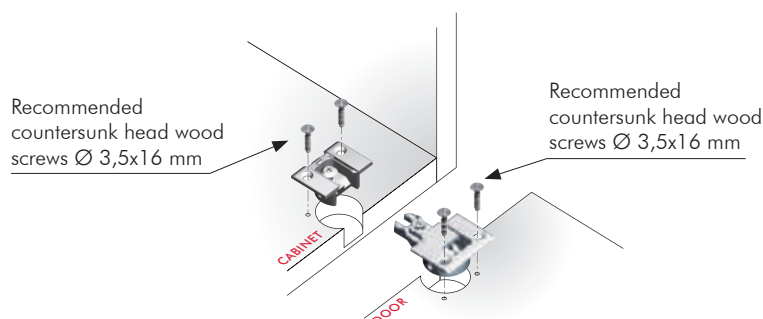
CABINET 18 mm WITHOUT ADAPTER - DOOR 18 mm WITHOUT ADAPTER



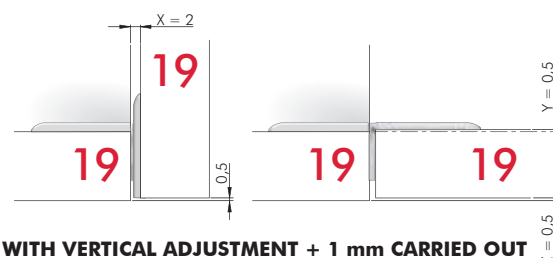
WITH VERTICAL ADJUSTMENT + 2 mm CARRIED OUT



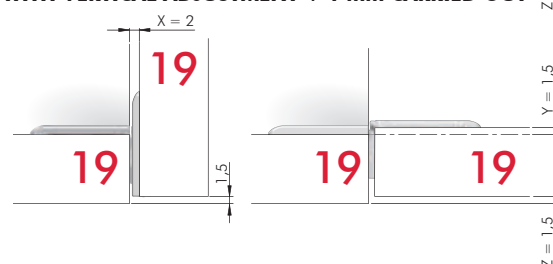
CABINET 19 mm WITHOUT ADAPTER - DOOR 19 mm WITHOUT ADAPTER



0 + 2 mm FURTHER VERTICAL ADJUSTMENT



WITH VERTICAL ADJUSTMENT + 1 mm CARRIED OUT



Our technical department is at your disposal to evaluate other cases out of these applications.

KIMANA HINGE SPACER H. 2 mm

Zinc alloy.
- Nickel-plated
- Black nickel
- Graphite

On demand = 10 pcs



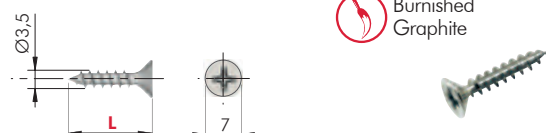
COUNTERSUNK HEAD WOOD SCREW $\varnothing 3,5$

Steel nickel-plated.

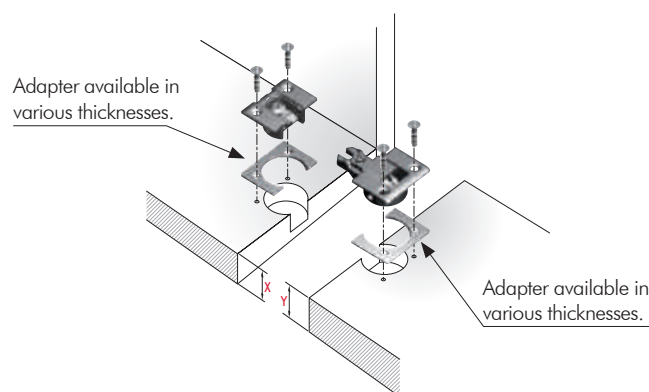
L 16 mm - already included in each Kimana set.

L 18 mm for Kimana spacer H. 2 mm. = 2 pcs each Kimana spacer H. 2 mm

Burnished Graphite



ALL APPLICATIONS:



	X +	Y +
*	18 + 2	18
	19	19

* Kimana adapter not required in case 2 mm adjustment is carried out.

For different cabinet and door thickness contact the office.



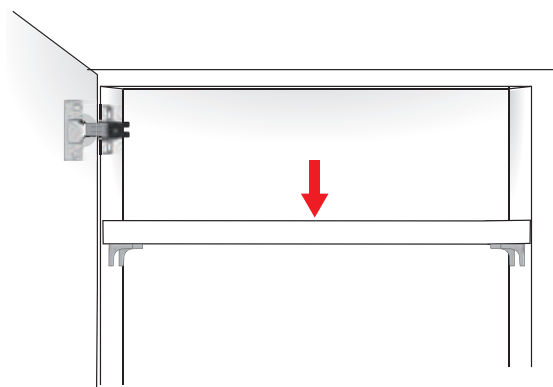
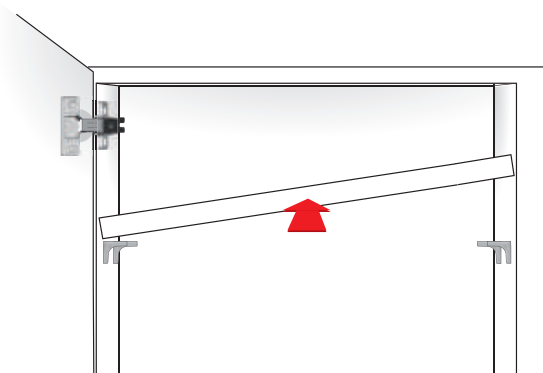
- ▶ Newly-designed essential and functional shelf support for both wood and glass shelves.
- ▶ Consists of a single zinc alloy element for wood shelves.
- ▶ Same element for glass shelf by simply applying a bespoke layer of rubber.
- ▶ Other version available with vertical pin to ensure wood shelf horizontal locking.
- ▶ Available with Ø 4 and Ø 5 mm pin for shelf repositioning without damaging the hole.
- ▶ In accordance with European Regulations UNI EN 14749/05.
- ▶ Load carrying capacity: 80 kg/per set of 4 pieces.



SHELF INSTALLATION



THE COLOURED PART IS
IN CLEAR SOFT RUBBER.



K LINE FOR WOOD SHELF

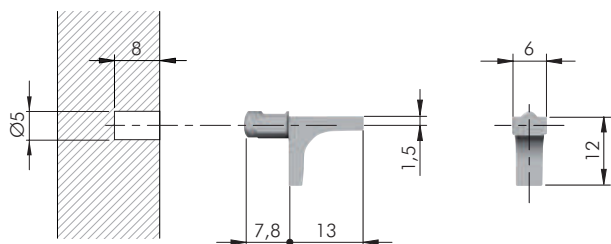
284.84.711 - Zinc alloy nickel-plated



= 1 pc



= 5000 pcs

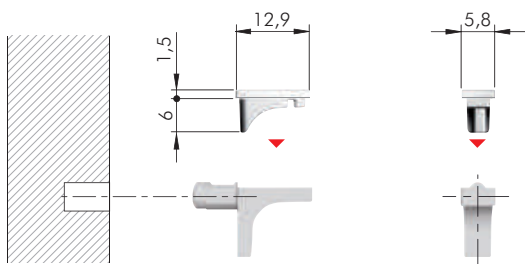


K LINE RUBBER FOR GLASS SHELF

284.84.990 - Soft clear rubber



= 1 pc

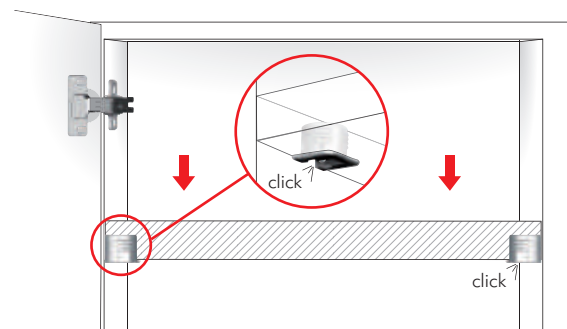
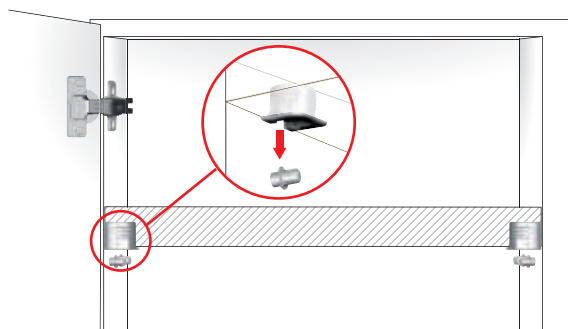
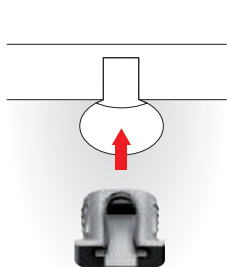




- ▶ Shelf support to block wood shelves with minimum thickness of 12 mm for dispatching either flat pack or rigid furniture and for guaranteeing domestic safety.
- ▶ Consists of two separate parts:
 - a steel dowel to be inserted onto the side panel.
 - a plastic element to be slotted into the shelf.
- ▶ Shelf is subsequently vertically pressed and clicks onto the steel dowel.
- ▶ Steel dowel is available with:
 - Ø 3, Ø 5 mm smooth pin and Ø 5 mm special threaded dowel for shelf repositioning without damaging the hole.
 - Ø 3 mm threaded screw or Ø 5 mm euro-threaded dowel.
 - M4 dowel for spreading dowel.
- ▶ Threaded steel dowels provide further structural function.
- ▶ In accordance with the European Regulations UNI EN 14749/05.
- ▶ Load carrying capacity: 80 kg/per set of 4 pieces.



SHELF INSTALLATION



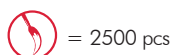
FLIPPER FOR PANEL 14 mm THICK MINIMUM

263.07.001 - Aluminium plastic

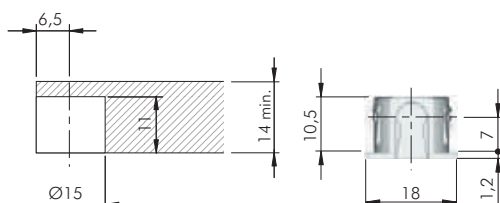
263.07.007 - White plastic



= 1 pc



= 2500 pcs

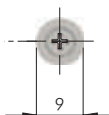
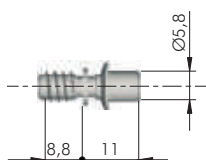
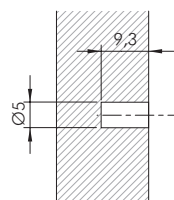


EURO PIN to achieve horizontal connection

263.20.002 - Steel zinc-plated

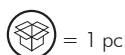


= 1 pc

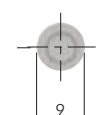
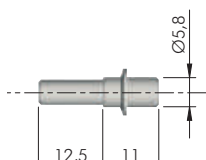
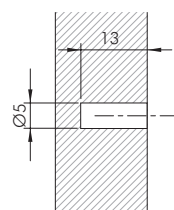


SMOOTH PIN Ø 5 mm

263.20.004 - Steel zinc-plated

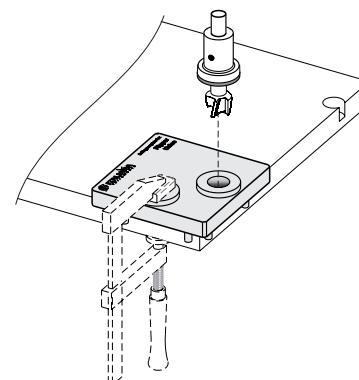
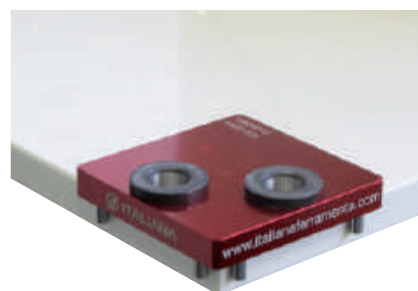


= 1 pc



FLIPPER TEMPLATE

On demand = 1 pc

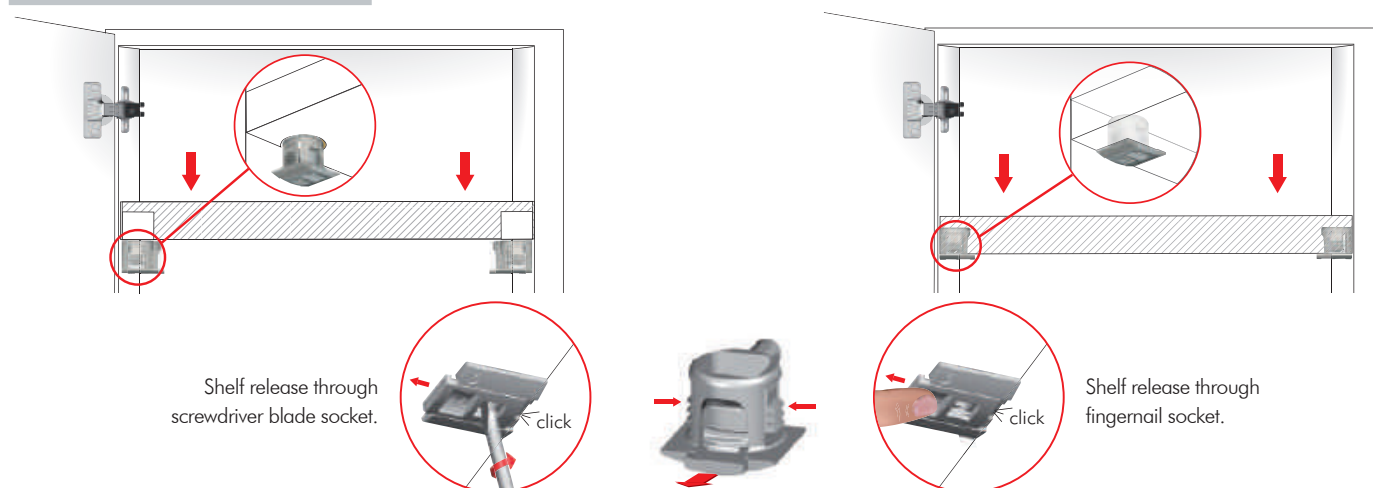




- ▶ Innovative solution to block wood shelves with minimum thickness of 15 mm for dispatching either flat pack or rigid furniture and for guaranteeing domestic safety.
- ▶ Consists of a single zinc alloy element with ridged wing on both sides that spreads out when the integrated sliding plastic clip moves forward.
- ▶ Unico is supplied ready for assembly with plastic clip in the forward position. Shelf is subsequently vertically pressed onto the shelf support and blocked by the spread wings.
- ▶ Removal of the shelf by hand or through blade screwdriver, is carried out by sliding the plastic clip backwards.
- ▶ Available with:
 - Ø3 and Ø5 mm smooth pin for shelf repositioning without damaging the hole.
 - Ø3 and Ø5 mm threaded pin for further structural function.
- ▶ Unico Ø5 and Euro screw versions are in accordance with the European Regulations UNI EN 14749/05.
- ▶ Load carrying capacity: 80 kg/per set of 4 pieces.



SHELF INSTALLATION



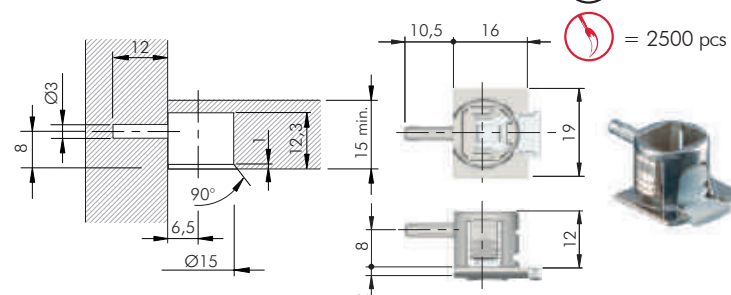
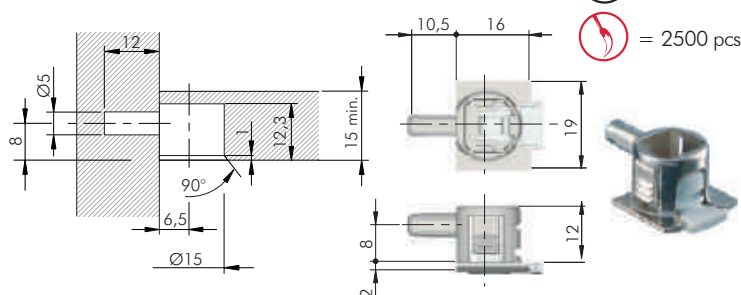
UNICO FOR PANEL 15 mm THICK MINIMUM

SMOOTH PIN Ø 5 mm

262.37.700 - Zinc alloy nickel-plated with grey plastic sliding clip. = 1 pc

SMOOTH PIN Ø 3 mm

262.37.710 - Nickel-plated with grey plastic sliding clip. = 1 pc

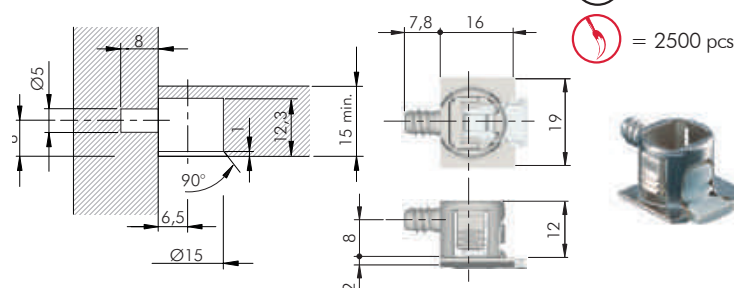


THREADED PIN Ø 5 mm to achieve horizontal connection

262.37.720 - Zinc alloy nickel-plated with grey plastic sliding clip. = 1 pc

UNICO TEMPLATE

On demand = 1 pc

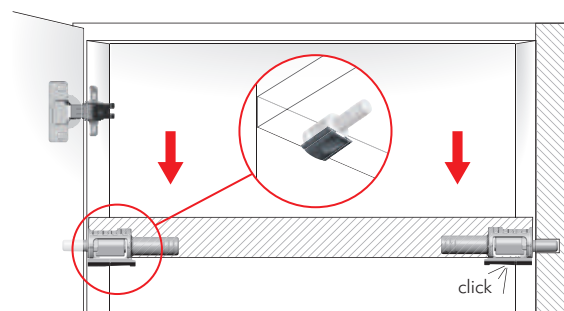
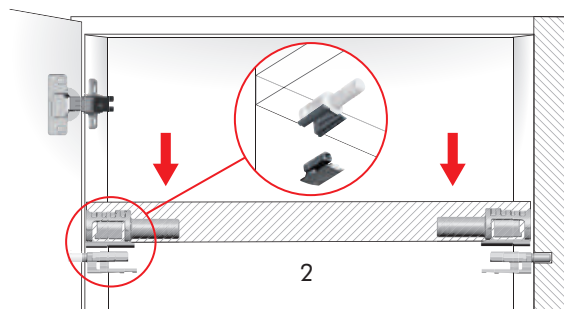
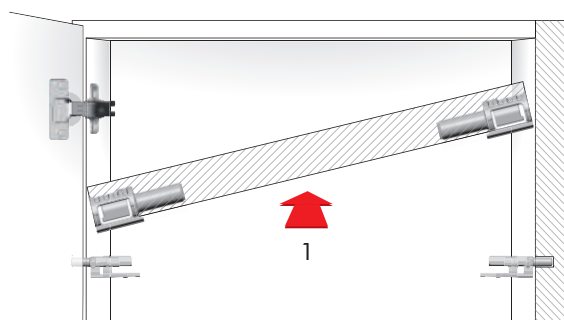
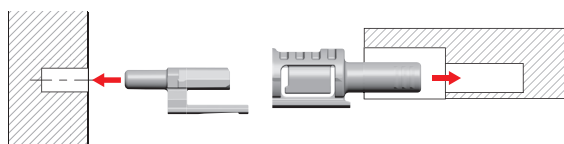




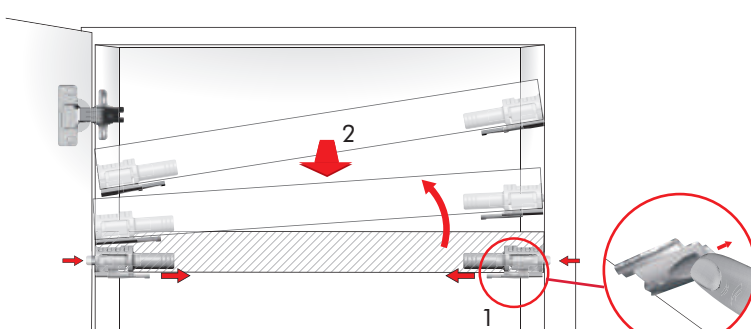
- ▶ Innovative solution to block wood shelves with minimum thickness of 16 mm for dispatching either flat pack or rigid furniture and for guaranteeing domestic safety.
- ▶ Consists of two plastic elements, a clip dowel to be inserted onto the side panel and a support element to be slotted onto the shelf.
- ▶ Shelf is subsequently vertically pressed and clicks onto the clip dowels.
- ▶ Removal of the shelf by hand, is carried out by sliding the clip dowels backwards.
- ▶ Repositioning the shelf is simply carried out by sliding the clip dowels forward.
- ▶ Clip dowel available with:
 - Ø3 and Ø5 mm smooth pin for shelf repositioning without damaging the hole.
- ▶ In accordance with the European Regulations UNI EN 14749/05.
- ▶ Load carrying capacity: 80 kg/per set of 4 pieces.



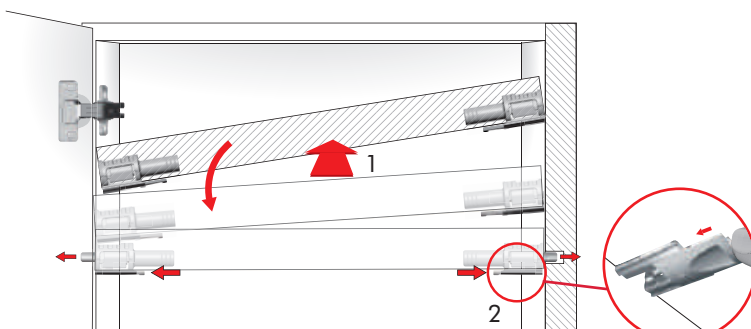
SHELF INSTALLATION



SHELF REMOVAL FOR NEW REPOSITIONING



NEW REPOSITIONING



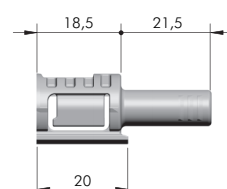
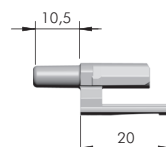
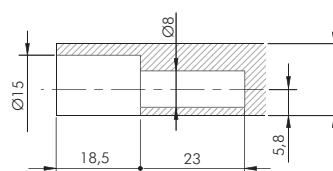
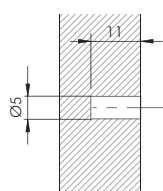
KERALA FOR PANEL 16 mm THICK MINIMUM

282.84.737 - Clip dowel grey plastic.

282.84.734 - Shelf support grey plastic.

= 1 pc

= 4000 pcs

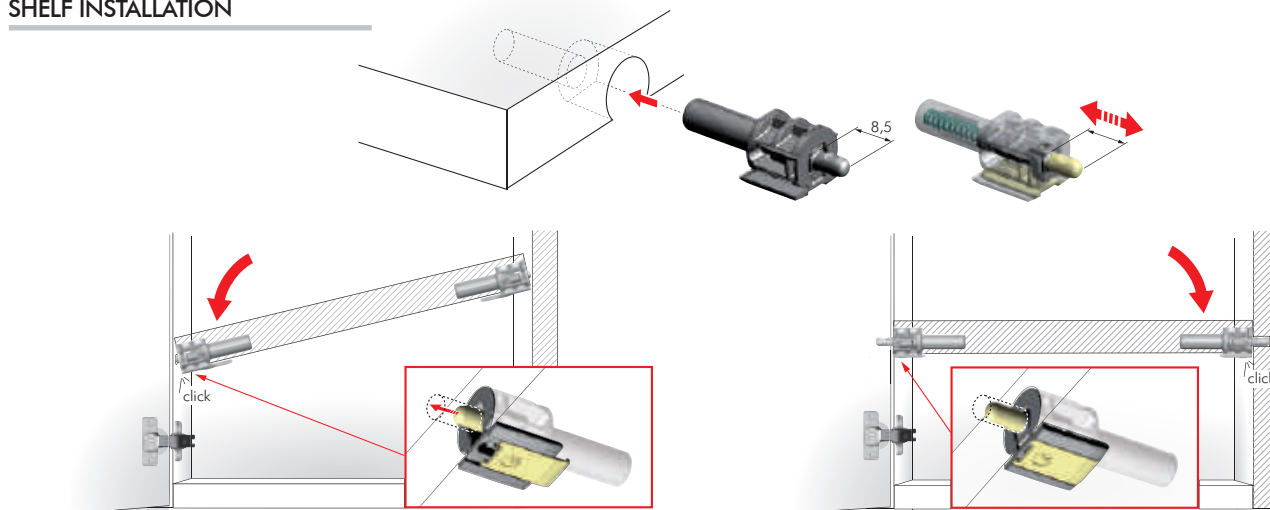




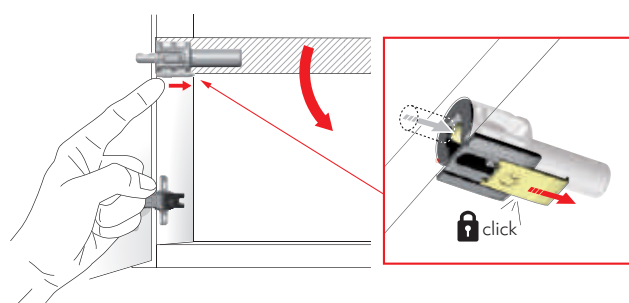
- ▶ Innovative solution to block wood shelves with minimum thickness of 16 mm for dispatching either flat pack or rigid furniture and for guaranteeing domestic safety.
- ▶ Consists of a plastic body featuring an inner spring that moves the zinc alloy pin out.
- ▶ Shelf is diagonally inserted into the cabinet, by leveling it, the pins itself find the side holes.
- ▶ Removal of the shelf is carried out manually, by simply pulling and clicking back the pins (just on one side of the shelf).
- ▶ Before repositioning the shelf, release the locked pins.
- ▶ Intentional leway of the pin to easily slot into position, even if off line hole.
- ▶ Available with Ø 5 mm smooth pin to avoid scratching inside of the cabinet and suitable for shelf repositioning without damaging the hole.
- ▶ Load carrying capacity: 80 kg/per set of 4 pieces.



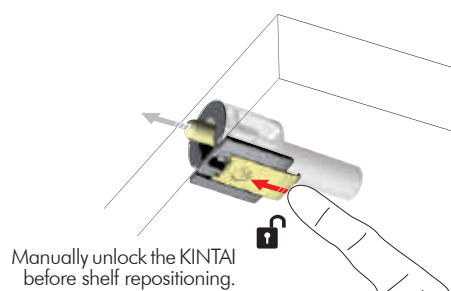
SHELF INSTALLATION



SHELF REMOVAL FOR NEW REPOSITIONING



NEW REPOSITIONING

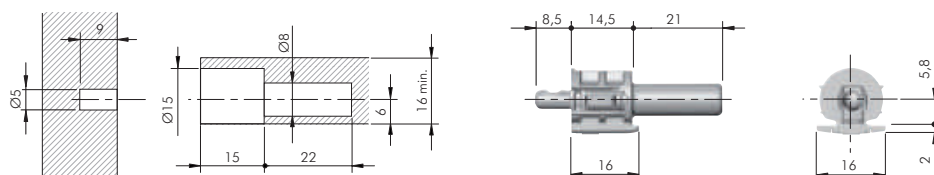


KINTAI FOR PANEL 16 mm THICK MINIMUM

Plastic with zinc alloy nickel-plated inner spring pin.

ARTICLE NO. (*special order)	FINISH/COLOUR
262.37.721	Anthracite, Light grey, White

Minimum Order Quantity = 4000 pcs

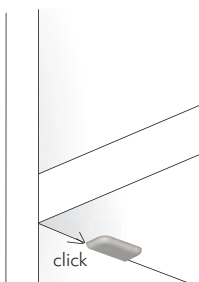
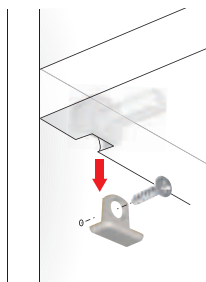
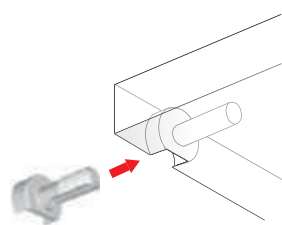




- ▶ Innovative solution to block wood shelves, for guaranteeing domestic safety.
- ▶ Suitable for heavy duty wardrobes, bookcases, modular furniture, office furniture and dismantled furniture (Do It by Yourself).
- ▶ Can be used as connecting fitting for the complete cabinet construction (base, shelves and top), in combination with back panel which provides structural fastening.
- ▶ Available for 18, 19, 25, 28, 30 mm thick panel.
- ▶ Consists of two separate parts: zinc alloy slim side bracket and plastic shelf support to be slotted into the shelf.
- ▶ The sleeve of the shelf support can be expanded by inserting a pin (to be ordered separately), which improves the structural fastening of the shelf to the side of the furniture.
- ▶ Shelf is subsequently vertically pressed and clicks onto the side bracket.
- ▶ Side bracket is available:
 - as plain version for euro-screw, countersunk screw, or M4 dowel with spreading dowel.
 - with pre-inserted spreading bush and screw for shelf repositioning without damaging the hole.
- ▶ In accordance with the European Regulations UNI EN 14749/05.
- ▶ Load carrying capacity: 100 kg/per set of 4 pieces.

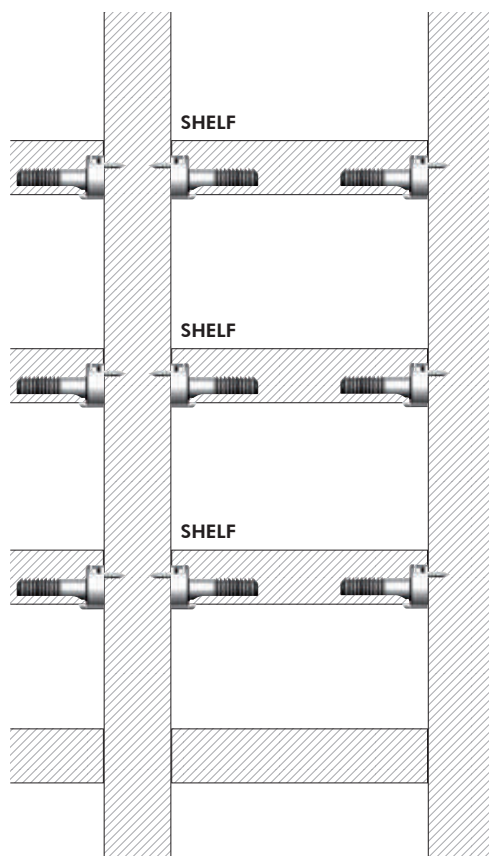
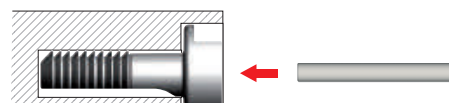


INSTALLATION

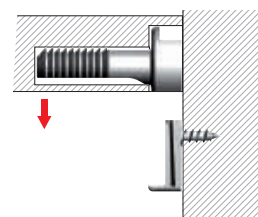


OPTIONAL FIXING:

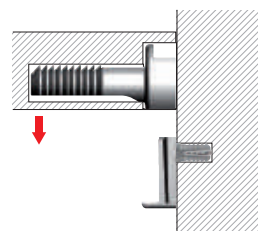
To achieve much more horizontal connection fixing. The sleeves expands by inserting the provided Ø 3 mm pin.



Assembling with alternative fixing options.



Assembling with pre-inserted spreading bush and screw to avoid hole damaging for shelf repositioning.



Also suitable for top and bottom panels in case of black panel installed.

TRIS FOR PANEL 18-19 mm THICK MINIMUM

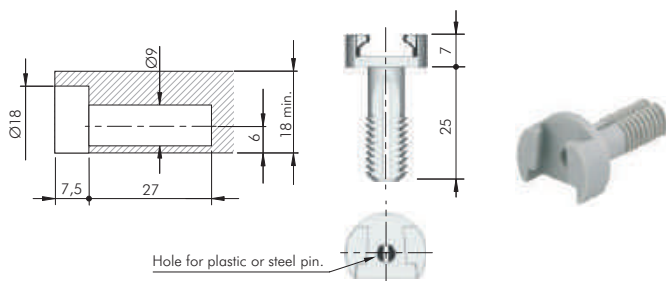
Plastic

282.84.750 - White

- Black

 = 1 pc


On demand  = 2500 pcs

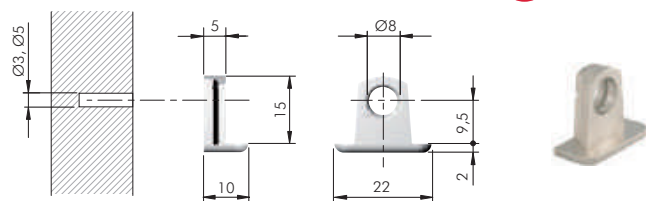


SIDE BRACKET WITH SCREW HOLE

282.84.751 - Zinc alloy nickel-plated.

 = 1 pc

 = 2500 pcs



TRIS FOR PANEL 25 mm THICK MINIMUM

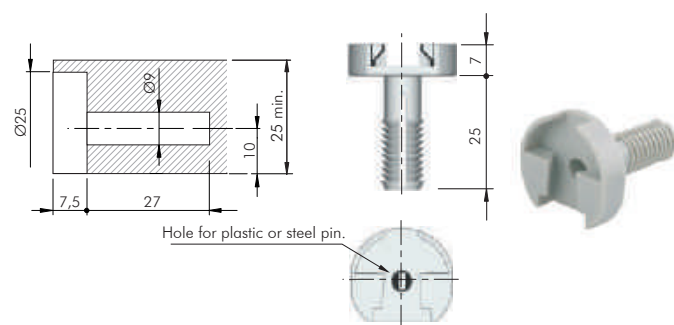
Plastic

282.84.759 - White

- Black

 = 1 pc


On demand  = 2500 pcs

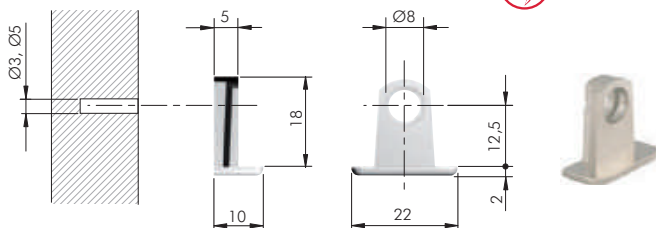


SIDE BRACKET WITH SCREW HOLE

282.84.752 - Zinc alloy nickel-plated.

 = 1 pc


 = 2500 pcs

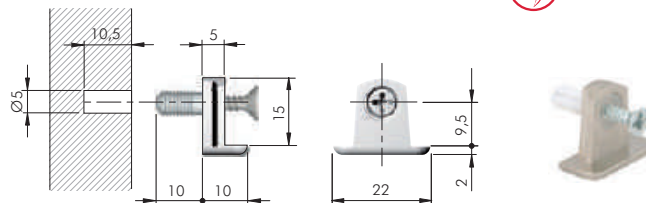


SIDE BRACKET WITH PRE-INSERTED SPREADING BUSH AND SCREW To avoid damaging for shelf repositioning.

Zinc alloy nickel-plated, steel zinc-plated
and plastic

On demand  = 2500 pcs

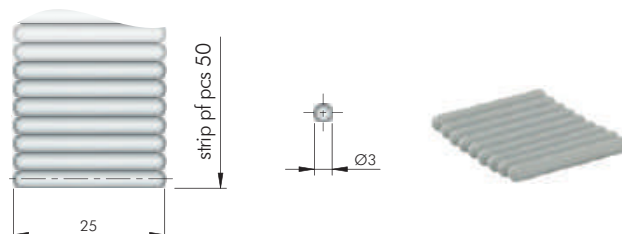
 = 2500 pcs



Ø 3 mm PLASTIC PIN

White or black plastic

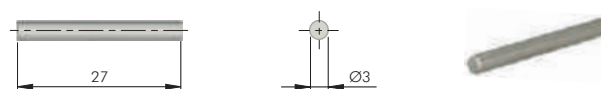
On demand  = 50 strips



Ø 3 mm STEEL PIN

Steel


On demand  = 2500 pcs

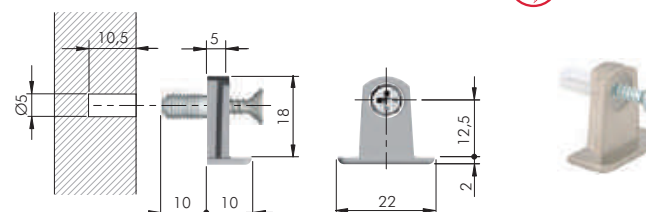


SIDE BRACKET WITH PRE-INSERTED SPREADING BUSH AND SCREW To avoid damaging for shelf repositioning.

Zinc alloy nickel-plated, steel zinc-plated
and plastic

On demand  = 2500 pcs

 = 2500 pcs





- ▶ SECRET MAXI is the new hidden shelf support by Italiana Ferramenta, the only one that guarantees both the shelf locking and unlocking.
- ▶ Completely hidden, even when used on bifacial furniture.
- ▶ Can be used on shelves with minimum thickness of 25 mm.
- ▶ The anchoring system provides a structural junction between the shelf and the side panel, thus making SECRET MAXI suitable even for constructions with flap and drop-down doors.
- ▶ Consists of:
 - a plastic body to be inserted onto the shelf panel featuring an inner spring that moves the plastic hook out.
 - a plastic socket to be inserted onto the side panel.
- ▶ When flap and drop-down doors are required, the shelf can be fully locked through a $\varnothing 4$ mm hole, by turning the minifix 90° with a S2,5 mm allen wrench.
- ▶ The hole for the shelf locking can be drilled on the upper or lower side of the shelf, (or even a passing through hole), according to the customer's needs.
- ▶ It allows the customer to fix and remove the shelves in an easy and intuitive way. The furniture processing doesn't require any milling; simply drillings.
- ▶ Load carrying capacity: 60 kg/per set of 4 pieces.



BEST OF THE BEST AT:



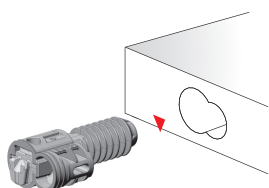
interzum award:
intelligent
material & design
2013



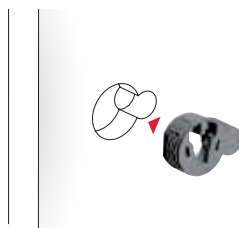
German
Design Award
SPECIAL
MENTION 2014



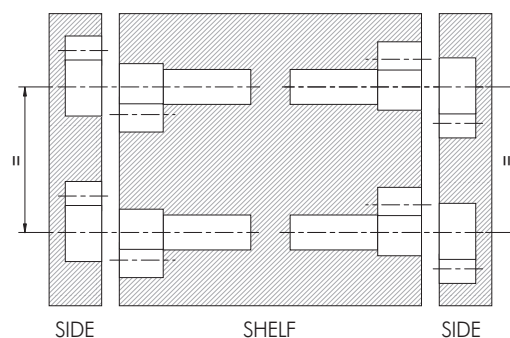
SHELF SUPPORT INSERTION ON THE SHELF



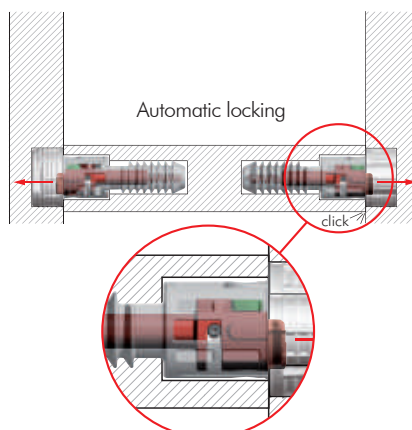
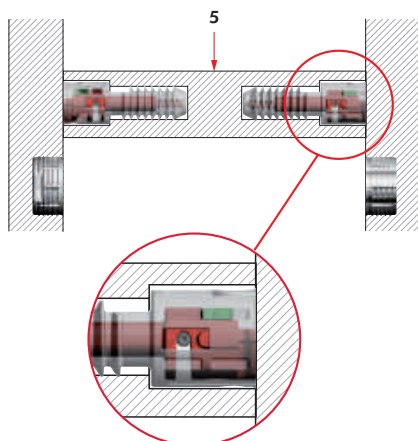
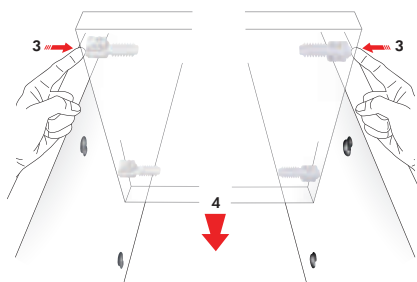
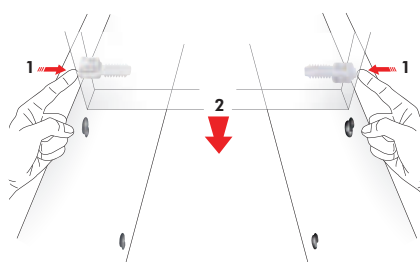
SIDE BUSH INSERTION



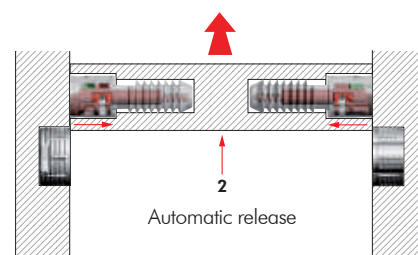
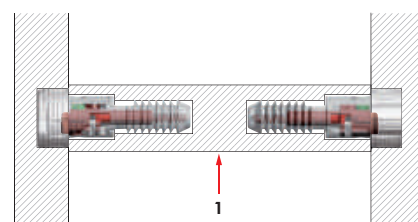
ALIGNMENT SHELF SUPPORT AND SIDE BUSH



SHELF PLACEMENT

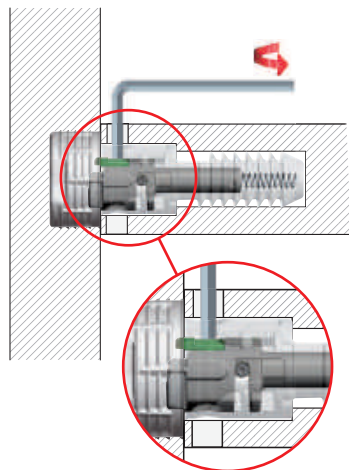


SHELF REMOVAL

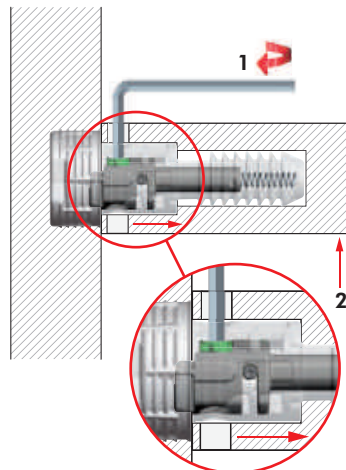


Ø 4 mm hole allows access to the minifix with an hexagonal key S 2,5. It can be drilled either on upper or on the lower side of the shelf, (or even a passing through hole) according to the customer's needs.

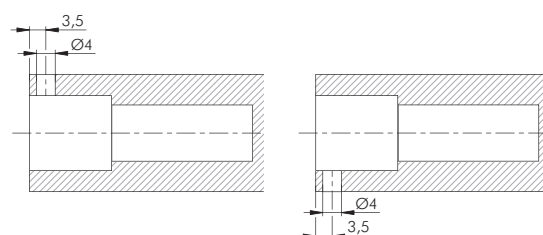
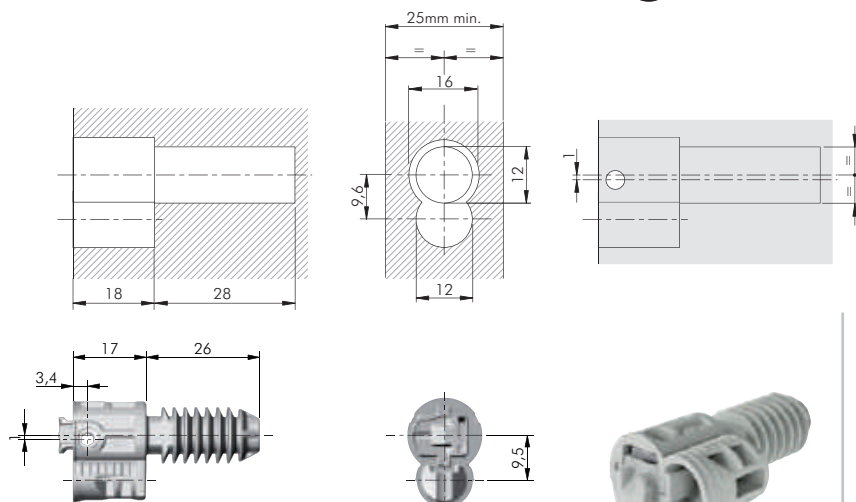
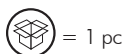
90° turning from both upper and lower side.



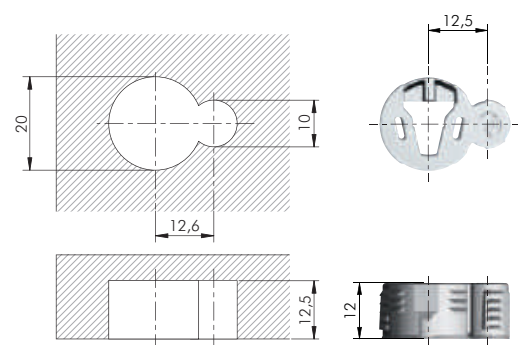
90° turning from both upper and lower side.



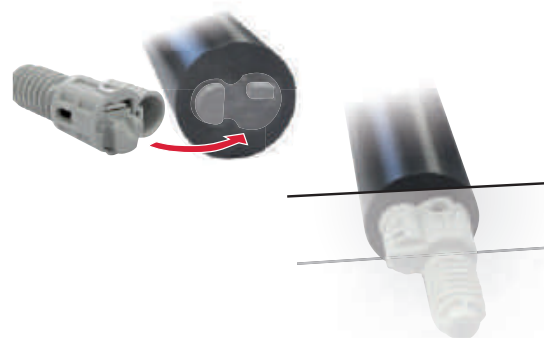
284.03.356 - Light grey plastic with inner spring plastic hook.



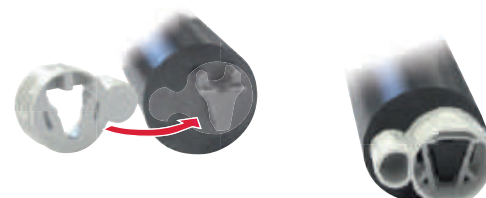
284.03.357 - Light grey plastic.



001.15.158 - Black plastic.



001.15.159 - Black plastic.



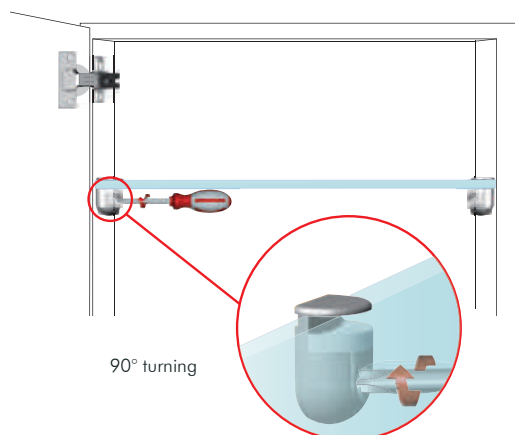
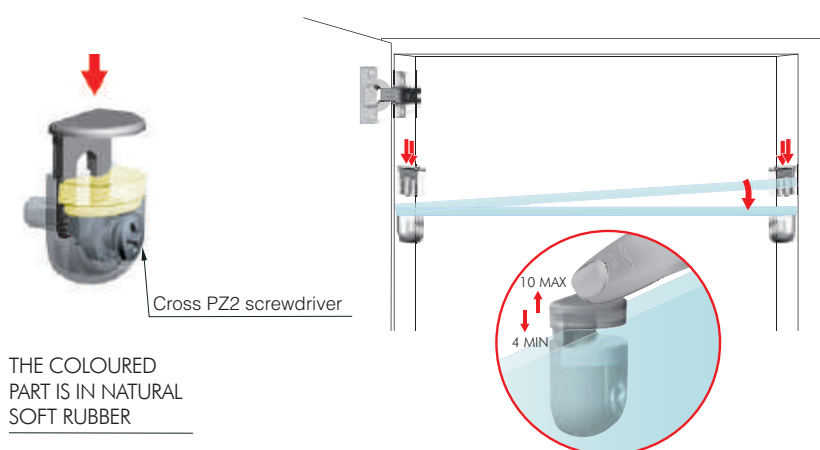


- ▶ Technical shelf support to block glass shelves 4-10 mm thick for dispatching either flat pack or rigid furniture and for guaranteeing domestic safety.
- ▶ Consists of two zinc alloy elements:
 - main body featuring a soft layer of rubber and the locking screw.
 - upper bracket with grooves.
- ▶ Shelf is diagonally inserted into the cabinet, upper part pushed down into the main body.
- ▶ Locking and unlocking is carried out with screwdriver, by turning the locking screw 90°
- ▶ Available with:
 - Ø 3, Ø 4 and Ø 5 mm pin for shelf repositioning without damaging the hole.
- ▶ In accordance with the European Regulations UNI EN 14749/05.
- ▶ Load carrying capacity: 80 kg/per set of 4 pieces.



SHELF INSTALLATION

SHELF LOCKING



PEKI SMOOTH PIN Ø 5 mm FOR GLASS 4-10 mm THICK

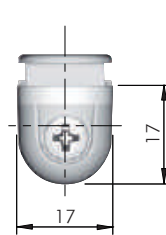
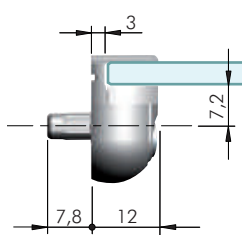
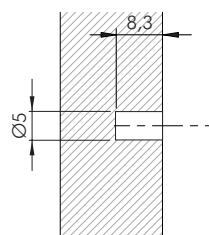
284.04.611 - Zinc alloy nickel-plated with locking screw.



= 1 pc

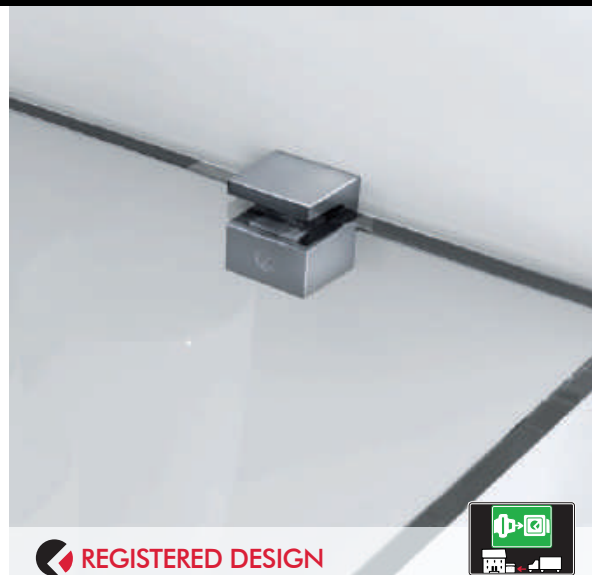


= 1000 pcs





- ▶ Brand new blocking glass-shelf support for dispatching either flat pack or rigid furniture and for guaranteeing domestic safety.
- ▶ Consists of a single zinc alloy element with layer of soft rubber on both the upper and lower side and metal insert placed under the body.
- ▶ Shelf slides horizontally into the cabinet and locking/unlocking is carried out with cross screwdriver, by turning the discreet metal insert.
- ▶ Available:
 - for glass shelves 5-6 mm thick.
 - for glass shelves 8 mm thick.
- ▶ Different types of installation available:
 - Ø 3 and Ø 5 mm pin for shelf repositioning without damaging the hole.
 - Screw hole for countersunk head screw to achieve horizontal connection.
- ▶ In accordance with the European Regulations UNI EN 14749/05.
- ▶ Load carrying capacity: 80 kg/per set of 4 pieces.



REGISTERED DESIGN

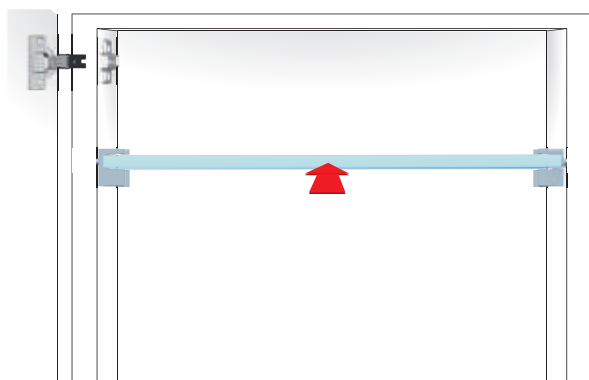


SHELF INSTALLATION

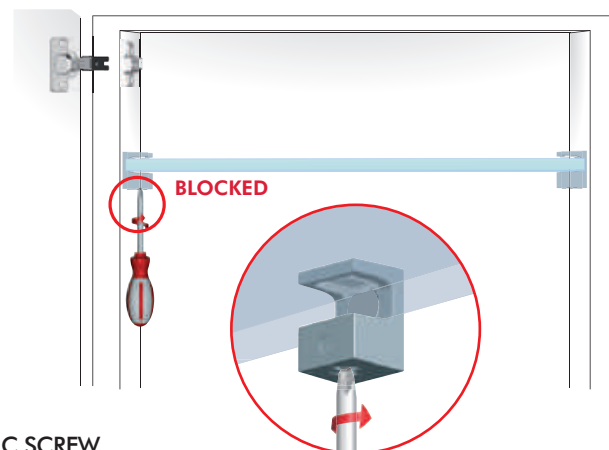
THE COLOURED PART IS IN NATURAL SOFT RUBBER



Metric insert in steel
Cross PZ2
screwdriver



SHELF LOCKING



KRISTAL WITH LOCKING METRIC SCREW

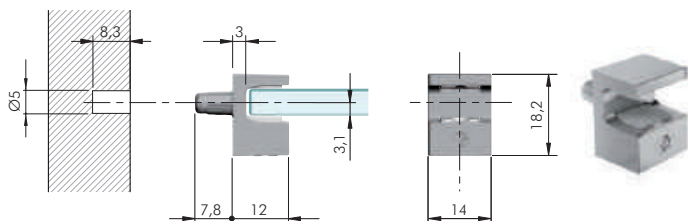
SMOOTH PIN Ø 5 mm FOR GLASS 5-6 mm THICK

284.04.655 - Zinc alloy nickel-plated.

= 1 pc

- Chrome plated.

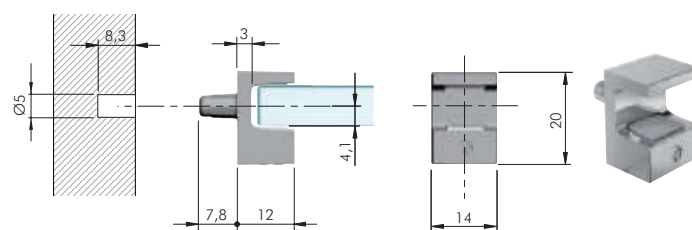
On demand = 1000 pcs



SMOOTH PIN Ø 5 mm FOR GLASS 8 mm THICK

Zinc alloy nickel or chrome-plated.

On demand = 1000 pcs



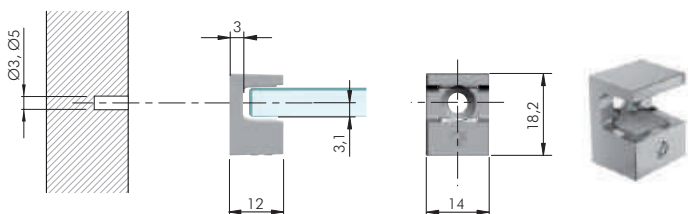
SCREW HOLE FOR GLASS 5-6 mm THICK To achieve horizontal connection.

284.04.650 - Zinc alloy chrome-plated.

= 1 pc

- Nickel plated.

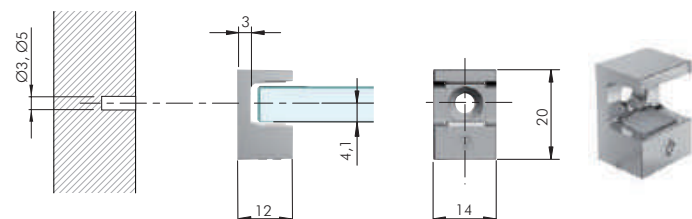
On demand = 1000 pcs



SCREW HOLE FOR GLASS 8 mm THICK To achieve horizontal connection.

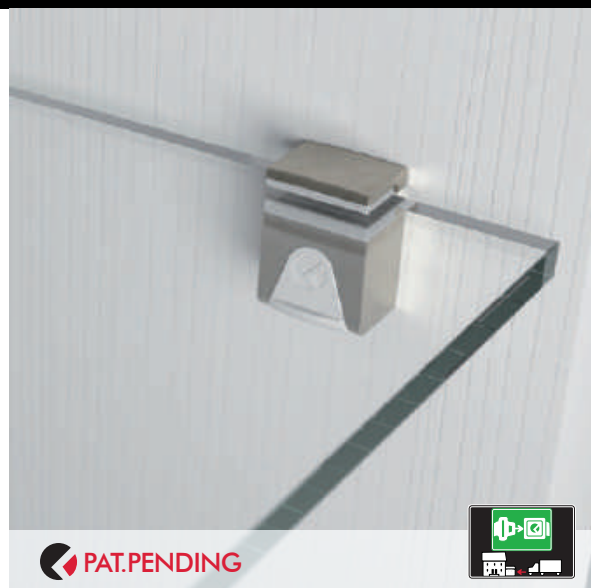
Zinc alloy nickel or chrome-plated.

On demand = 1000 pcs





- ▶ New shelf support to block glass shelves **4-8 mm** thick for dispatching either flat pack or rigid furniture and for guaranteeing domestic safety.
- ▶ Consists of two zinc alloy elements both with soft layer of rubber:
 - main body featuring integrated sliding locking plastic clip.
 - upper part with grooves.
- ▶ Shelf is diagonally inserted into the cabinet, upper part pushed down into the main body and sliding plastic clip clicked by hand upwards.
- ▶ Repositioning of the shelf is carried out by clicking the sliding plastic clip downwards.
- ▶ Available with:
 - Ø 3 and Ø 5 mm pin for shelf repositioning without damaging the hole.
 - screw hole for countersunk head screw to achieve horizontal connection.
- ▶ In accordance with the European Regulations UNI EN 14749/05.
- ▶ Load carrying capacity: 80 kg/per set of 4 pieces.



PAT.PENDING

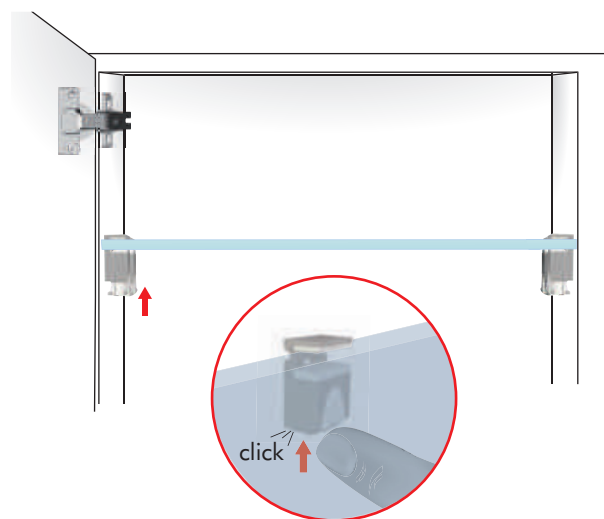
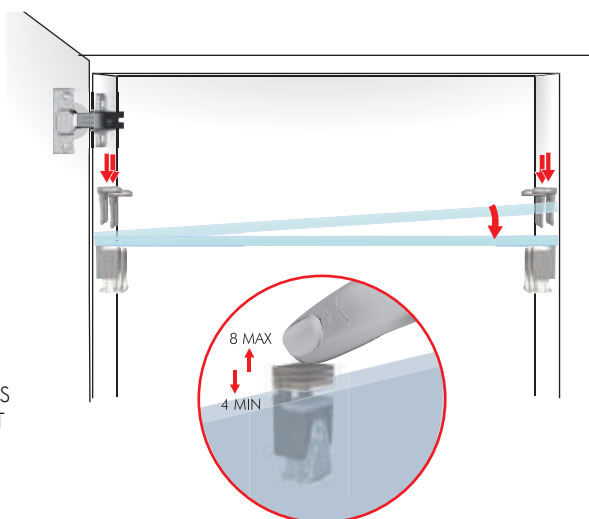


SHELF INSTALLATION

SHELF LOCKING



THE COLOURED PARTS
ARE IN NATURAL SOFT
RUBBER

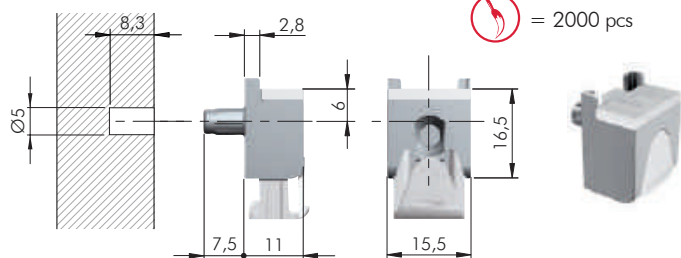


KUBIC SMOOTH PIN Ø 5 mm FOR GLASS 4-8 mm THICK

284.04.641 - Zinc alloy nickel-plated with white plastic locking clip.

= 1 pc

= 2000 pcs

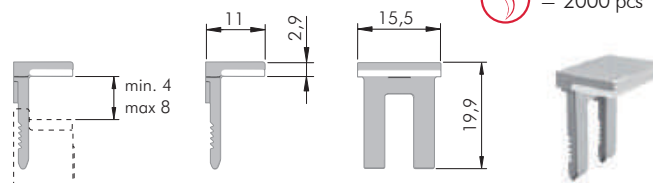


KUBIC UPPER PART FOR GLASS 4-8 mm THICK

284.04.643 - Zinc alloy nickel-plated soft rubber natural.

= 1 pc

= 2000 pcs



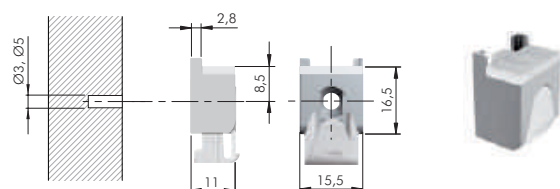
KUBIC SCREW HOLE FOR FOR GLASS 4-8 mm THICK To achieve horizontal connection.

ARTICLE NO.	FINISH/COLOUR
*special article	Zinc alloy nickel-plated with white plastic locking clip.

Minimum
Order Quantity

= 2000 pcs

= 2000 pcs





- ▶ New shelf support to block glass shelves **11-15 mm** thick for dispatching either flat pack or rigid furniture and for guaranteeing domestic safety.
- ▶ Consists of two zinc alloy elements:
 - main body with soft layer of rubber featuring integrated sliding locking plastic clip.
 - upper part with grooves.
- ▶ Shelf is diagonally inserted into the cabinet, upper part pushed down into the main body and sliding plastic clip clicked by hand upwards.
- ▶ Repositioning of the shelf is carried out by clicking the sliding plastic clip downwards.
- ▶ Available with:
 - Ø 3 and Ø 5 mm pin for shelf repositioning without damaging the hole.
 - screw hole for countersunk head screw to achieve horizontal connection.
- ▶ In accordance with the European Regulations UNI EN 14749/05.
- ▶ Load carrying capacity: 80 kg/per set of 4 pieces.



PAT.PENDING

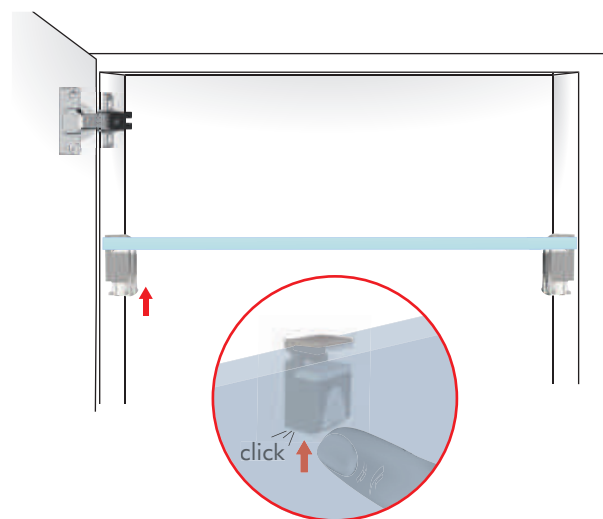
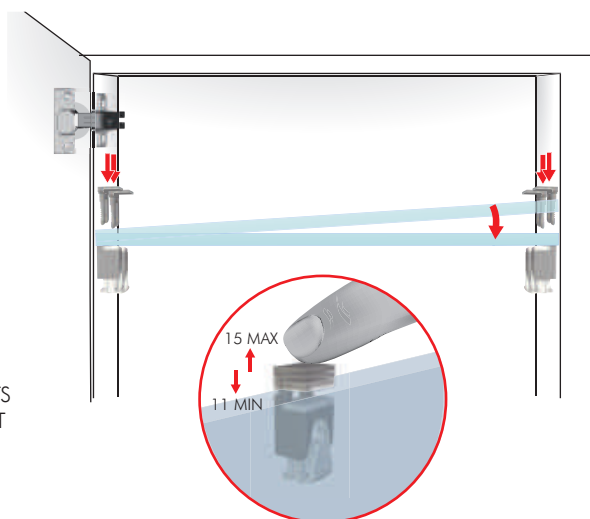


SHELF INSTALLATION

SHELF LOCKING



THE COLOURED PARTS ARE IN NATURAL SOFT RUBBER

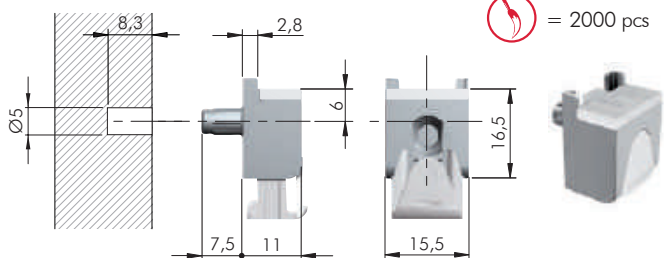


KUBIC SMOOTH PIN Ø 5 mm FOR GLASS 4-8 mm THICK

284.04.641 - Zinc alloy nickel-plated with white plastic locking clip.

= 1 pc

= 2000 pcs

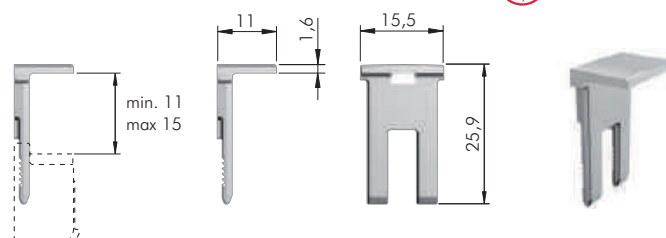


KUBIC UPPER PART FOR GLASS 4-8 mm THICK

ARTICLE NO.	FINISH/COLOUR
*special article	Zinc alloy nickel-plated.

Minimum Order Quantity = 100 pcs

= 2000 pcs

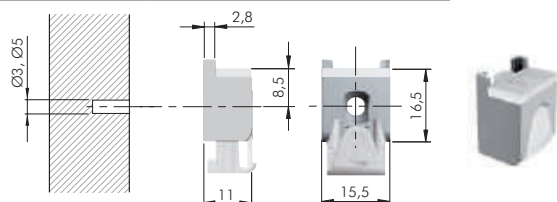


KUBIC SCREW HOLE FOR FOR GLASS 4-8 mm THICK To achieve horizontal connection.

ARTICLE NO.	FINISH/COLOUR
*special article	Zinc alloy nickel-plated with white plastic locking clip.

Minimum Order Quantity = 100 pcs

= 2000 pcs

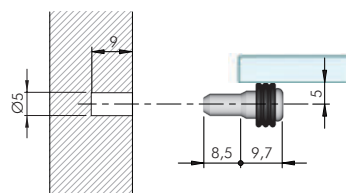




OR SMOOTH PIN Ø 5 mm

282.84.711 - Zinc alloy nickel-plated and black soft rubber.

Load carrying capacity: 80 Kg/per set of 4 pieces.



= 1 pc



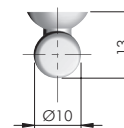
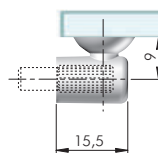
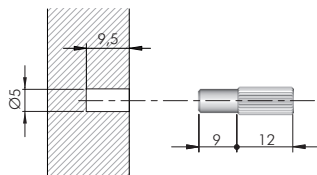
= 5000 pcs



ATAK SMOOTH PIN Ø 5 mm

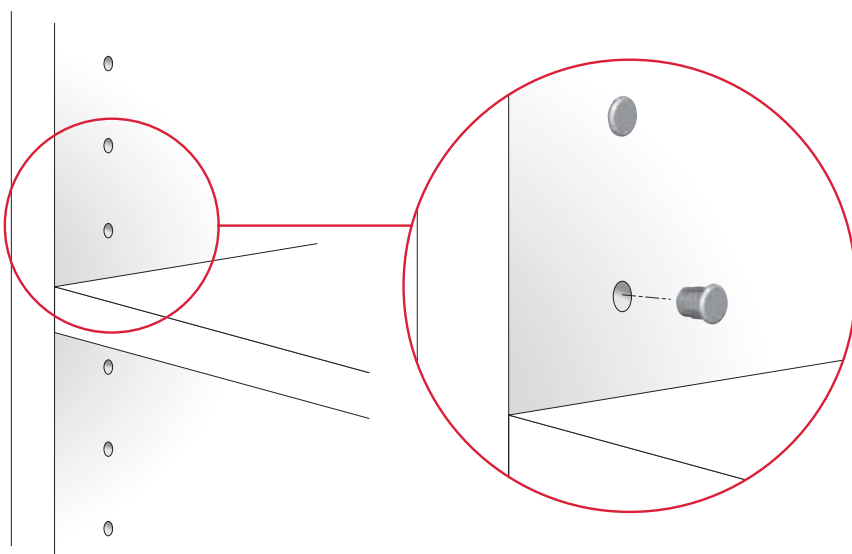
ARTICLE NO.	FINISH/COLOUR	LOAD CARRYING CAPACITY
*special article	Steel zinc-plated and clear natural rubber with suck cup. The 2 parts are provided separately.	80 Kg/per set of 4 pieces.

Minimum Order Quantity = 5000 pcs



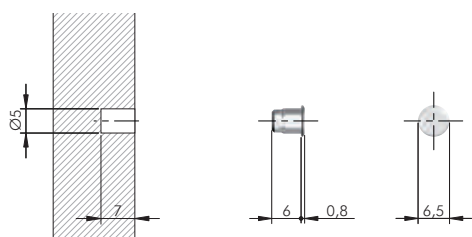
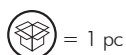


- ▶ NIKO is the new Cover Cap, an essential detail to add that extra touch to your exclusive furniture.
- ▶ Made of Iron and nickel plated, NIKO is an element to be simply inserted onto any $\varnothing 5$ mm hole, making the aesthetics of your furniture more innovative and captivating.
- ▶ Easily installable through machinery or by hand, NIKO is sheer ELEGANCE made cover cap.



NIKO $\varnothing 5$ mm

290.21.941 - Steel nickel-plated.



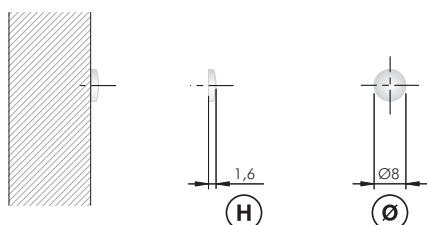
DOOR BUFFER



356.22.470 - $\varnothing 8 \times 1,6$ mm - Ethylene vinyl acetate.

- Supplied in sheet count = 90 pcs

= 112 sheets = 10.080 pcs



\varnothing	H	On demand =	
		Sheets	Pcs
7	1,5	200	10.000
8	2	50	2.500
8	1,6	200	10.000
10	1,5	200	10.000
10	3	100	5.000

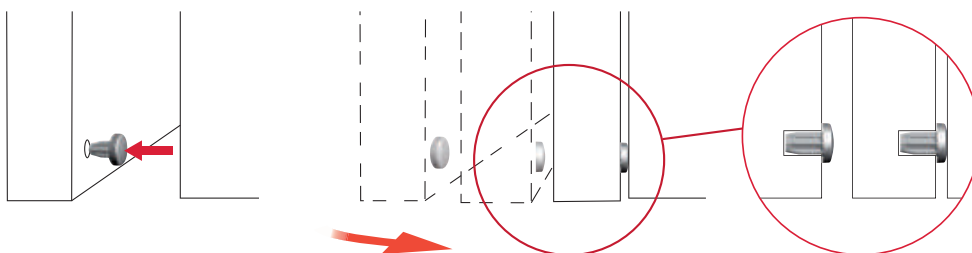
- Supplied in sheet count = 50 pcs



- ▶ BI-MATERIAL is a unique solution to prevent cabinet doors from noisily slamming.
- ▶ A double moulded injection produces a single bumper made of two different materials:
 - a stiff pin which allows a fast installation through a $\varnothing 5$ mm pre-drilled hole.
 - a smooth outer surface
- ▶ Rubber and engineering plastic.



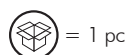
The stiff part allows an easy and safe placing on the hole side, both manual and by an automatic machine.



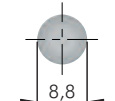
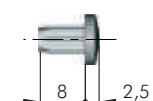
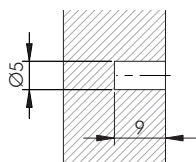
When the door closes, the impact of the door is sensibly absorbed by outer tender bumper.

BI-MATERIAL $\varnothing 5$ mm

356.20.423 - Stiff and soft clear rubber



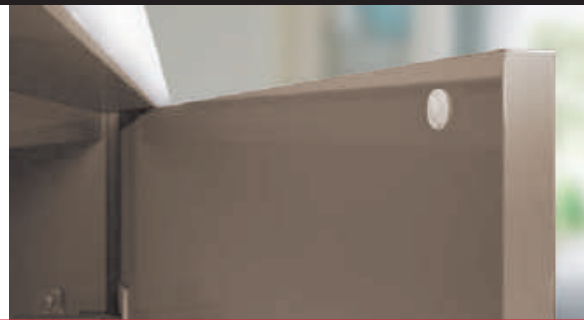
= 1 pc



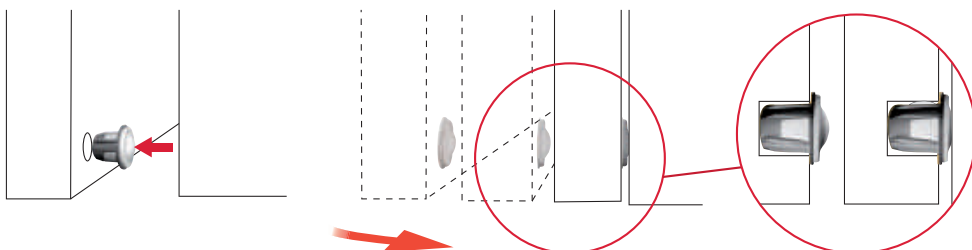
SOFT



- ▶ SOFT is the new solution to prevent cabinet doors from noisily slamming.
- ▶ A double moulded injection produces a single bumper made of two different materials:
 - a stiff pin $\varnothing 10$ mm with small tender windows all around and empty inside.
 - a smooth outer surface.
- ▶ Rubber and engineering plastic.
- ▶ In accordance with the Regulation UNI 8607/05 Level 5.



The stiff part allows an easy and safe placing on the hole side, both manual and by an automatic machine.



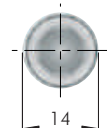
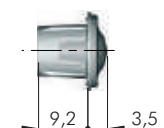
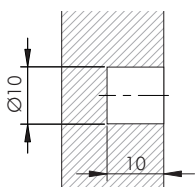
When the door closes, the impact of the door is sensibly absorbed by outer tender bumper that recedes into the empty pin and the compressed air inside of it, expands out the tender windows, thus granting a soft and silent door closure.

SOFT $\varnothing 10$ mm

356.20.521 - Stiff and soft clear rubber



= 1 pc



PULL-IN CORNER BRACKET



HÄFELE

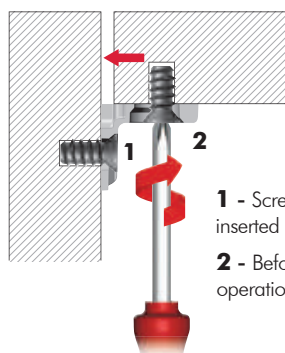


For further information: www.italianaferramenta.com > CATALOGUE > CONNECTINGS

- ▶ 90 degree bracket with pulling connection.
- ▶ Suitable for shelves and general cabinet construction.
- ▶ Once the side with round hole is fixed in position, the pulling connection is carried out while screwing the other side which is provided with a wedged slot.

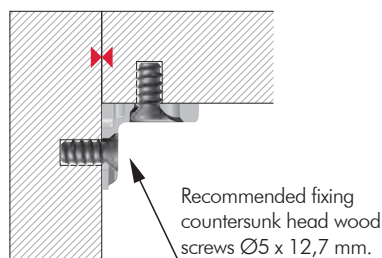


INSTALLATION



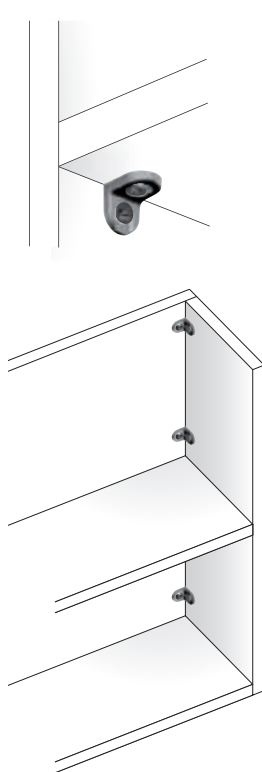
- 1 - Screw fully inserted in position.
- 2 - Before screwing operation

AFTER SCREWING OPERATIONS



Recommended fixing countersunk head wood screws $\varnothing 5 \times 12,7$ mm.

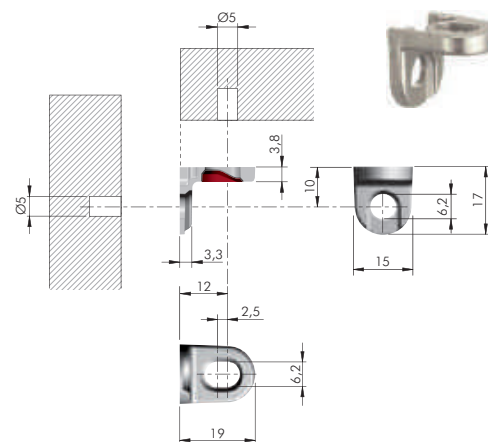
APPLICATIONS



PULL-IN CORNER BRACKET

282.84.780 - Zinc alloy nickel-plated

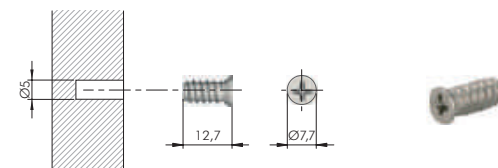
= 1 pc



COUNTERSUNK EURO SCREW $\varnothing 5 \times 12,7$ mm

282.84.781 - Steel nickel-plated

= 1 pc



PK2 TEMPLATE

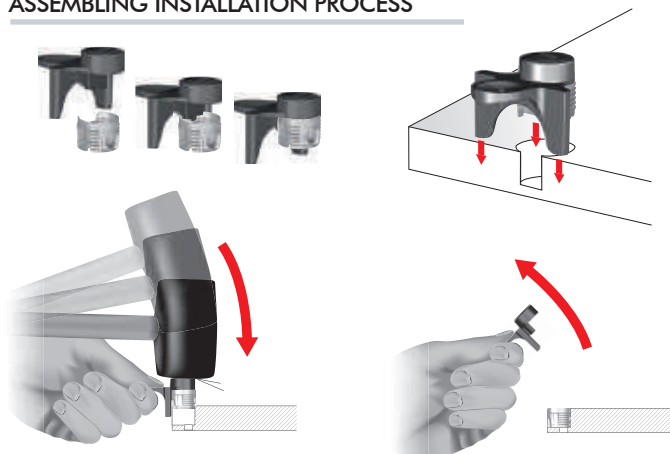


For further information: www.italianaferramenta.com > CATALOGUE > SHELF SUPPORTS

- ▶ Plastic PK2 Template for easily installing by hand the PK2 shelf support onto the shelf.
- ▶ Wedge-shaped socket ensures that the PK2 shelf support is correctly inserted onto the shelf.
- ▶ The two wings guarantee the perfect alignment of the PK2 shelf support.
- ▶ Once the PK2 shelf support is slotted in place, the template is removed and used for the next installation.



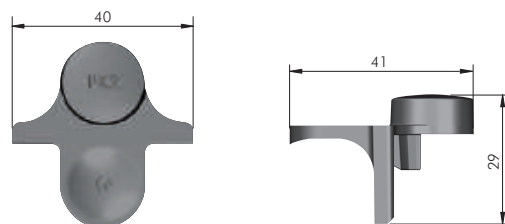
ASSEMBLING INSTALLATION PROCESS



TEMPLATE

132.75.759 - Black plastic.

= 1 pc

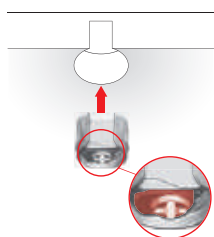




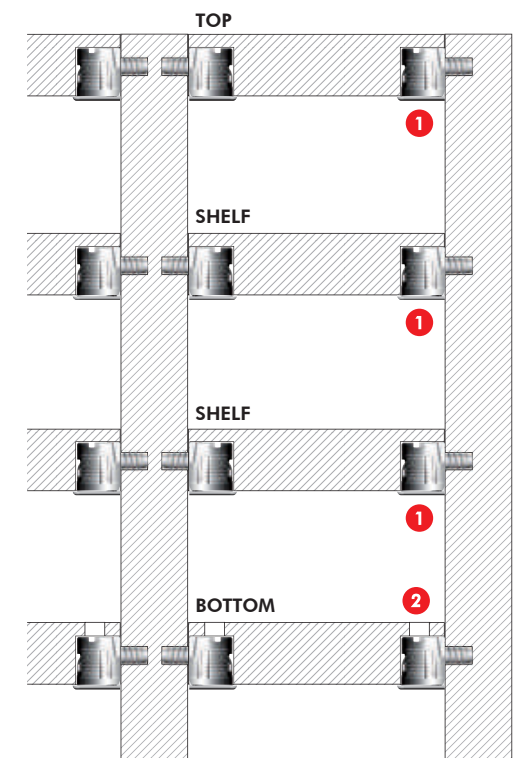
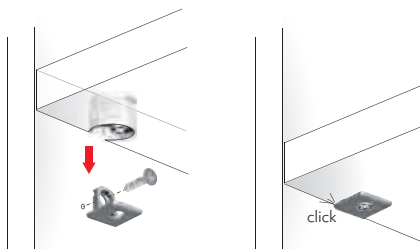
- ▶ New connecting fitting for the complete cabinet construction (base shelves and top) providing structural fastening.
- ▶ Suitable for heavy duty wardrobes, bookcases, modular furniture, office furniture and dismantled furniture (Do It by Yourself).
- ▶ Available for 16, 18, 25, 29 mm thick panels.
- ▶ Consists of two separate parts: zinc alloy side bracket and plastic shelf support with zinc alloy minifix inside, to be slotted into the shelf.
- ▶ Shelf is subsequently vertically pressed and clicks onto the side bracket.
- ▶ Shelf and top panel connection to be carried out by turning the mini fix 90° from the under side.
- ▶ Optional through hole Ø 8 mm for also connecting the bottom panel to be carried out by turning the minifix 90° from the upper side.
- ▶ Side bracket available as plain version or with pre-inserted euro-screw, pre-inserted wood screw, pre-inserted spreading bush and screw for shelf repositioning without damaging the hole.
- ▶ A plastic cover cap can be used to conceal the housing on the bottom.
- ▶ In accordance with the European regulations UNI EN 14749/05.
- ▶ Load carrying capacity: 100 kg/per set of 4 pieces.



INSTALLATION



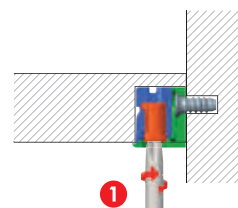
VERY IMPORTANT:
Make sure that the mini fix faces downwards.



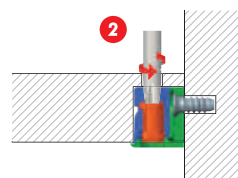
Also ideal in heavy duty wardrobes to join intermediate shelves and sides, as well as for the short partitions.

STRUCTURAL FASTENING with cross PZ2 screwdriver :

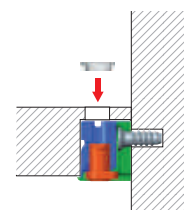
90° turning from the lower side, for the shelves and for the top.



90° turning from the upper side, for the furniture floor.




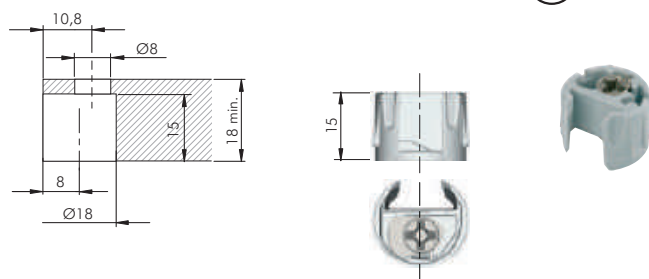
After turning the minifix.



PK2 FOR PANEL 18-19 mm THICK MINIMUM

263.67.556 - Grey plastic with zinc alloy mini fix.

 = 1 pc

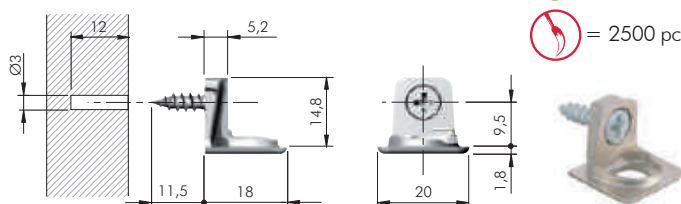


SIDE BRACKET PRE-INSERTED SCREW

Zinc alloy nickel-plated and steel zinc-plated

On demand  = 2500 pcs


 = 2500 pcs

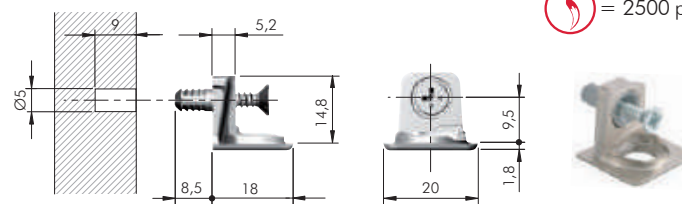


SIDE BRACKET PRE-INSERTED WITH SPREADING BUSH AND SCREW To avoid hole damaging for shelf repositioning.

263.50.155 - Zinc alloy nickel-plated, steel zinc-plated and plastic

 = 1 pc


 = 2500 pcs

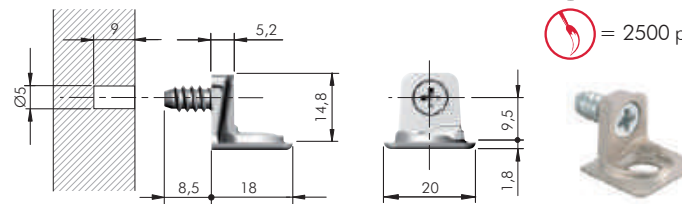


SIDE BRACKET PRE-INSERTED WITH EURO SCREW

Zinc alloy nickel-plated and steel zinc-plated

On demand  = 2500 pcs

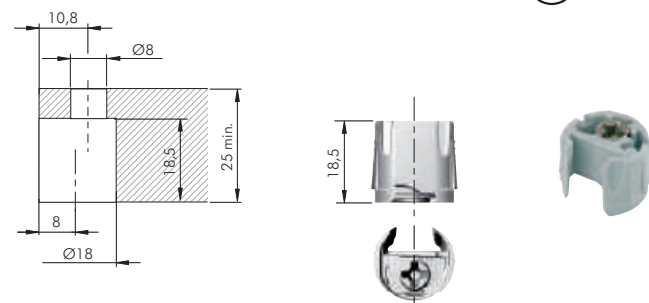
 = 2500 pcs



PK2 FOR PANEL 25 mm THICK MINIMUM

263.67.574 - Grey plastic with zinc alloy mini fix.


 = 1 pc

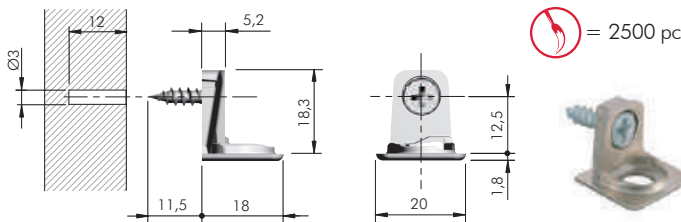


SIDE BRACKET PRE-INSERTED WITH SCREW

Zinc alloy nickel-plated and steel zinc-plated

On demand  = 2000 pcs


 = 2500 pcs

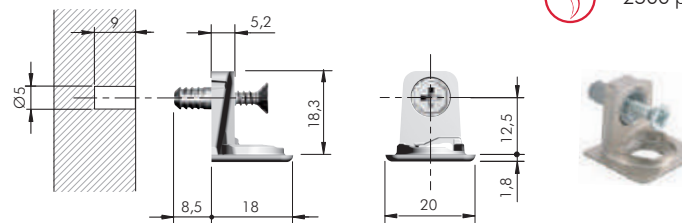


SIDE BRACKET PRE-INSERTED WITH SPREADING BUSH AND SCREW To avoid hole damaging for shelf repositioning.

263.50.173 - Zinc alloy nickel-plated, steel zinc-plated and plastic

 = 1 pc


 = 2500 pcs

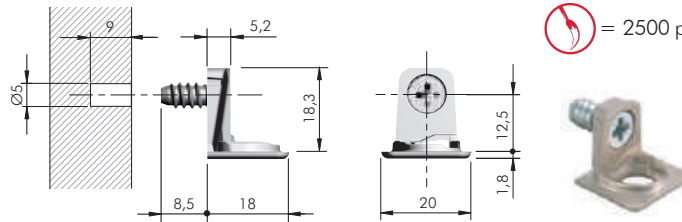


SIDE BRACKET PRE-INSERTED WITH EURO SCREW

Zinc alloy nickel-plated and steel zinc-plated

On demand  = 2000 pcs


 = 2500 pcs

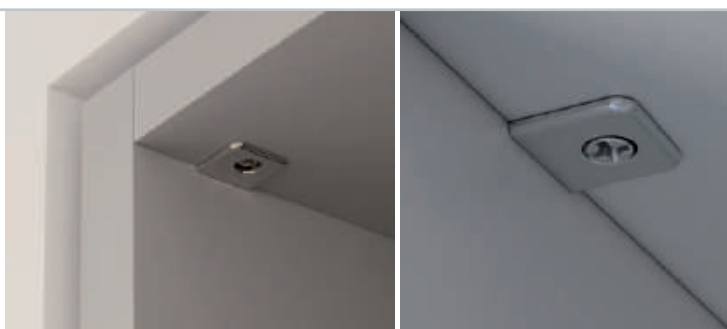
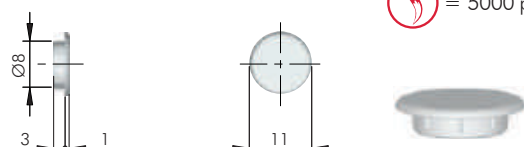


COVER CAP

045.08.008 - White plastic.

 = 1 pc

 = 5000 pcs





TARGET J10

LEVELLER LH7.28



WIDE RANGE OF APPLICATIONS

Practical solution for a wide range of applications.



EASY PRE-ASSEMBLING

Simple pre-insertion into the panels. Conceived for automatic assembling.



SUITABLE FOR FURNITURE IN KIT

Its unique features make TARGET the ideal solution for kit furniture.



STRONG STRUCTURAL FASTENING

The panels are hard and securely fastened, therefore the cabinet is 100% stress-resistant.



NO HARDWARE KITS

There is no need of hardware kits.



HIGH-SPEED ASSEMBLING

Mounting is extremely fast and efficient thanks to the pre-assembling of the panels.

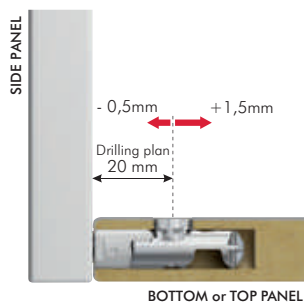
SUITABLE FOR FURNITURE IN KIT

WIDE DRILLING TOLERANCES

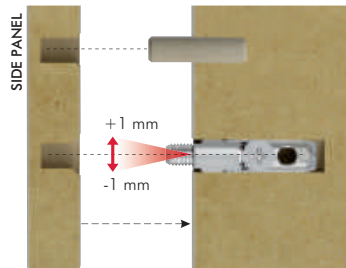
HIGH-SPEED ASSEMBLING



TOLERANCE FOR DISTANCE PINION SCREW HOLE



TOLERANCE FOR HOLES NOT ALIGNED

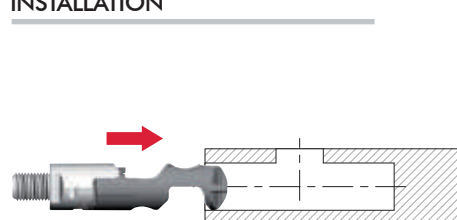


DIRECT ACCESS TO LEVELLERS

- ▶ TARGET J10 is the new connecting fitting characterized by a very strong fastening capacity and it is suitable for wardrobes, bookcases, modular furniture, office furniture.
- ▶ Suitable for furniture kits as it can be pre-mounted on the panel without interfering with the packaging thus eliminating the need for fittings bags.
- ▶ TARGET can be inserted into the furniture either through automatic machinery or by hand.
- ▶ The 10mm diameter screw barely visible on the panel makes TARGET a minimalist solution with a much more captivating aesthetic look compared to the traditional connecting fittings like minifix.
- ▶ Very narrow gap required for the assembly of the furniture which makes TARGET especially practical when working inside a niche.
- ▶ Available with M6 thread to be used in combination with zinc alloy or plastic bush or with Euro thread for direct fastening to the panel.
- ▶ Minimum panel thickness 15mm.
- ▶ Materials: zinc alloy, engineering plastic, tempered steel for the gear parts.

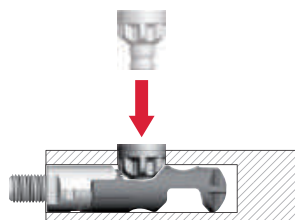
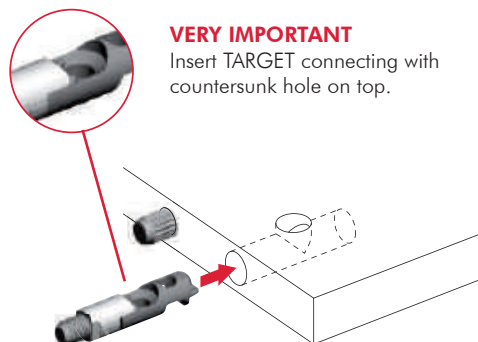


INSTALLATION

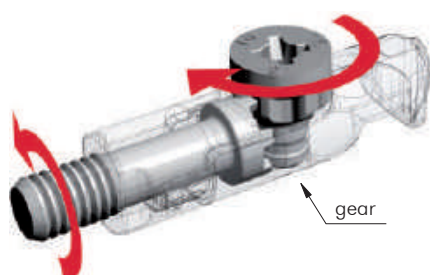
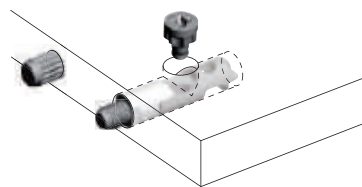


VERY IMPORTANT

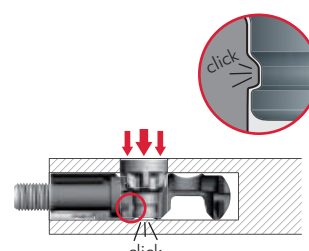
Insert TARGET connecting with countersunk hole on top.



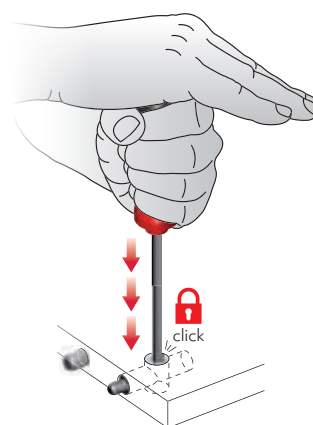
Place the pinion screw from above.



By turning the pinion screw, the threaded dowel makes a synchronized rotation.

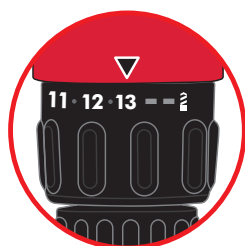


Press strongly with PZ2 cross screwdriver to slot the pinion screw in.



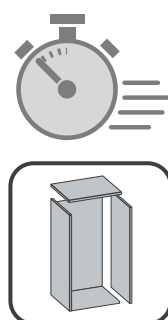
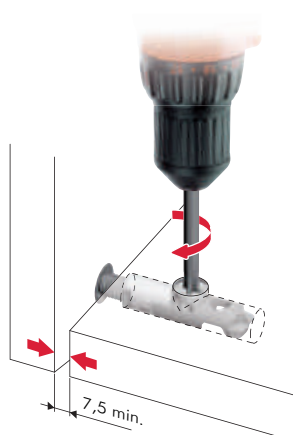
It may be helpful to use a tool in order to easily slot the pinion screw in.

ASSEMBLING

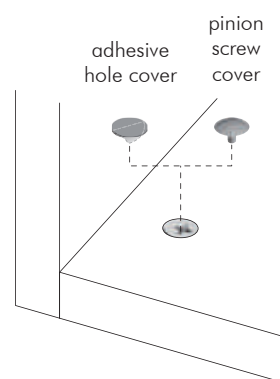


VERY IMPORTANT

Cordless driver drill to be used ONLY with **friction mode** on.



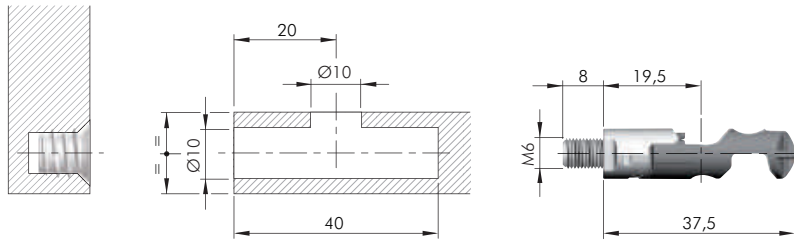
COVER CAPS



TARGET J10 FOR PANEL 15-16 MM THICK MINIMUM, M6

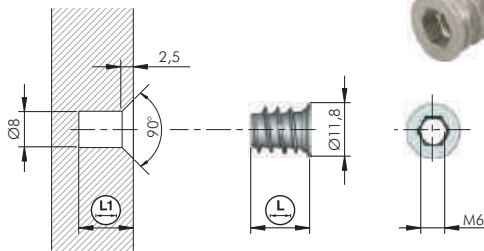
262.11.020 - Zinc alloy, steel zinc-plated and plastic




 = 1 pc



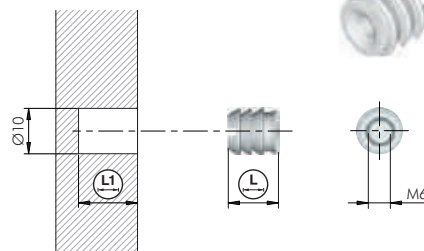
INSERT NUT




Raw zinc-alloy



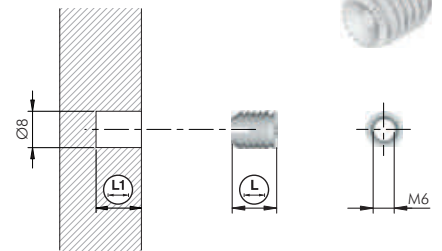
			
030.10.862	13	15	1 pc
030.10.565	17	19	1 pc
030.10.868	10	12	1 pc




Clear plastic



			
On demand	11	13	5000 pcs
On demand	13	15	5000 pcs

Clear plastic

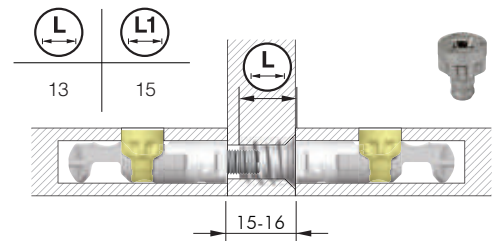
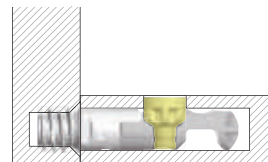
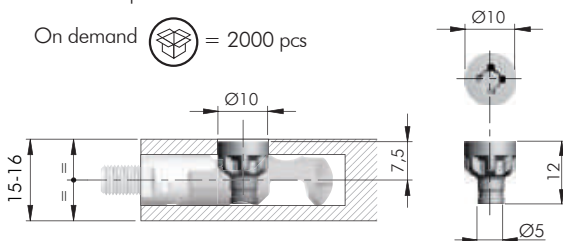


			
On demand	11	13	5000 pcs

TARGET J10 PINION SCREW Ø 10 MM FOR PANEL 15-16 MM THICK

Steel nickel-plated

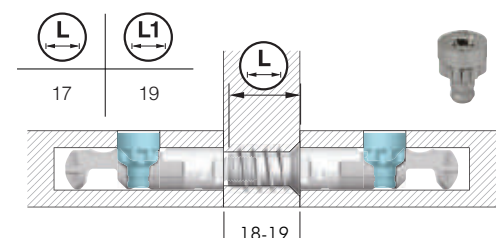
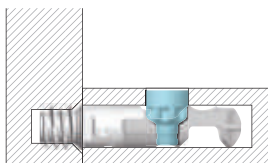
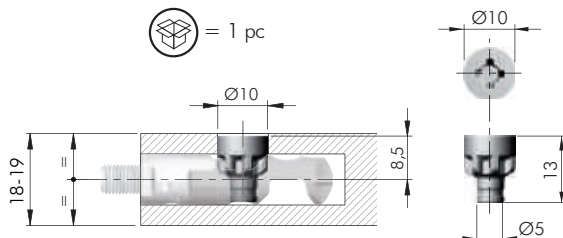
On demand  = 2000 pcs



TARGET J10 PINION SCREW Ø 10 MM FOR PANEL 18-19 MM THICK


262.11.051 - Steel nickel-plated

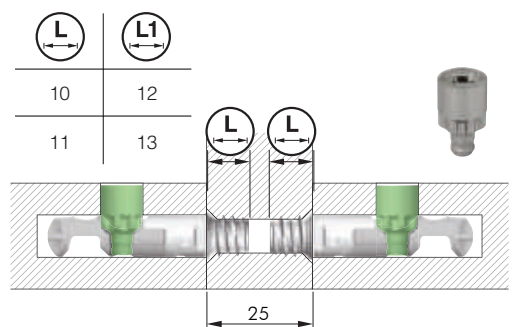
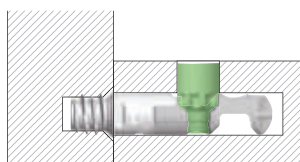
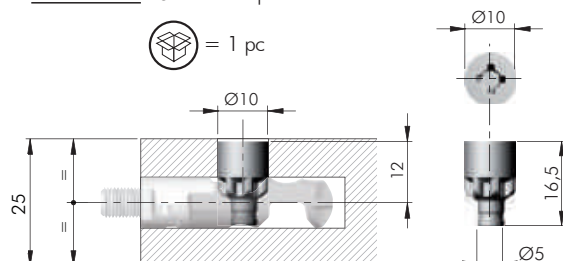
 = 1 pc



TARGET J10 PINION SCREW Ø 10 MM FOR PANEL 25 MM THICK MINIMUM

262.11.052 - Steel nickel-plated

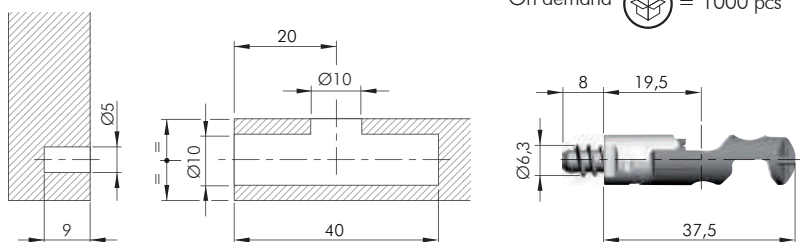
 = 1 pc



TARGET J10 FOR PANEL 15-16 MM THICK MINIMUM, EURO THREAD L. 8 MM

Zinc alloy, steel zinc-plated and plastic

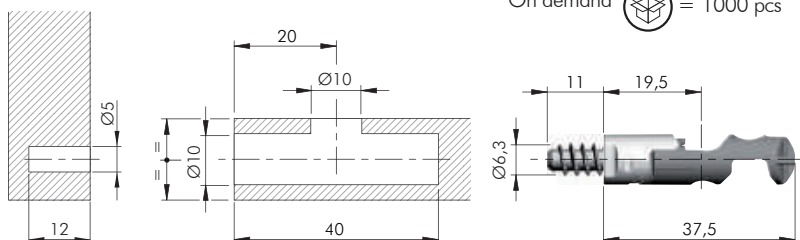
On demand  = 1000 pcs



TARGET J10 FOR PANEL 15-16 MM THICK MINIMUM, EURO THREAD L. 11 MM

Zinc alloy, steel zinc-plated and plastic

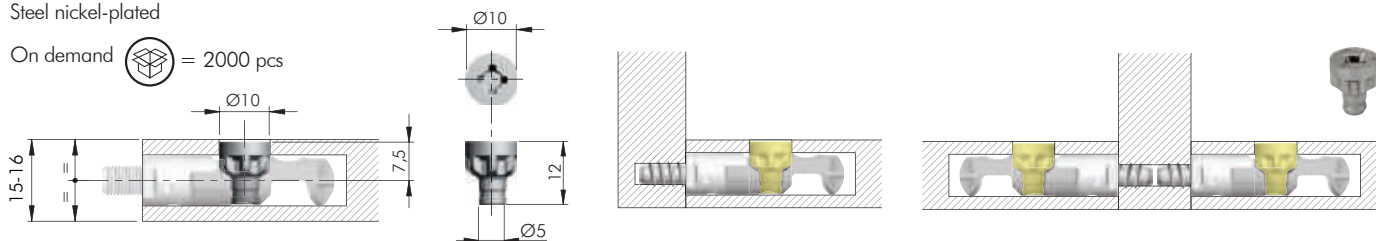
On demand  = 1000 pcs



TARGET J10 PINION SCREW Ø 10 MM FOR PANEL 15-16 MM THICK


Steel nickel-plated

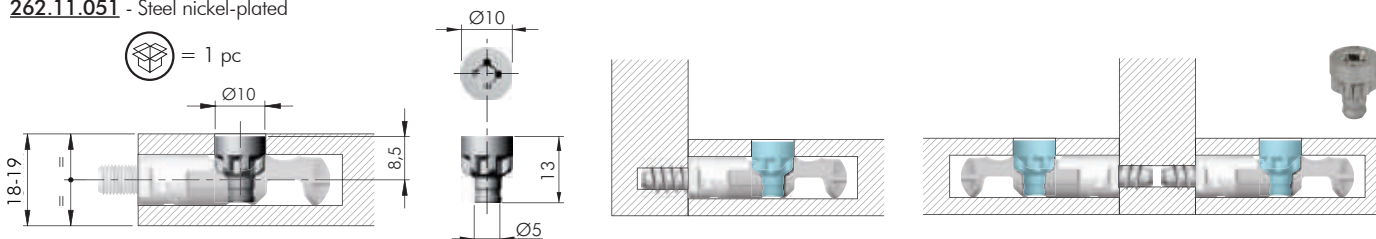
On demand  = 2000 pcs



TARGET J10 PINION SCREW Ø 10 MM FOR PANEL 18-19 MM THICK


262.11.051 - Steel nickel-plated

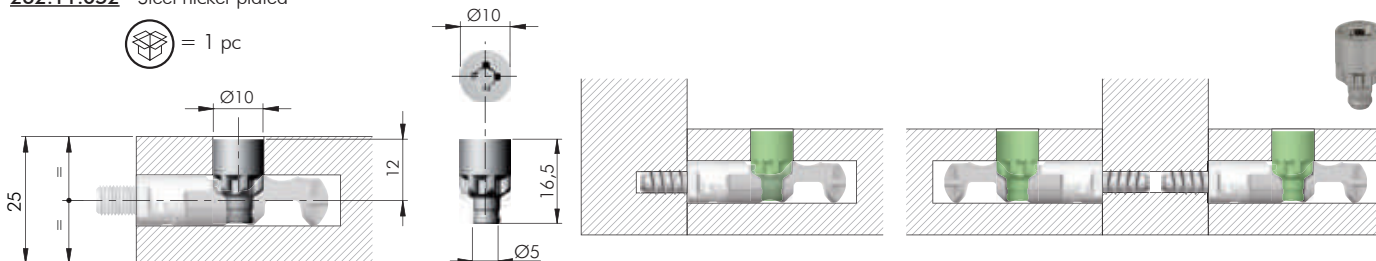
 = 1 pc



TARGET J10 PINION Ø 10 MM FOR PANEL 25 MM THICK MINIMUM

262.11.052 - Steel nickel-plated

 = 1 pc





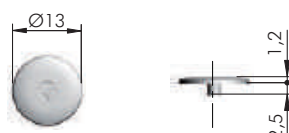
TARGET J10 PINION SCREW COVER

Plastic

262.11.036 - White

- Light grey
- Anthracite

On demand  = 1 pc
 = 5000 pcs



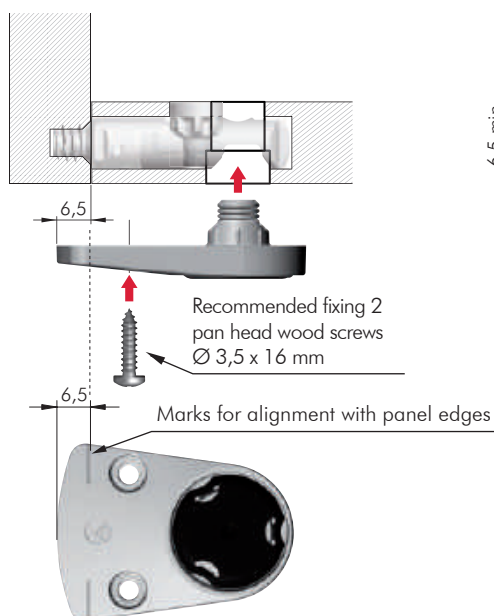
All information about drilling jigs are available at the end of the section Target.



- ▶ Particularly suitable for wall units with weight-bearing bottoms.
- ▶ Minimum panel thickness 16mm in combination with Target J10.
- ▶ 5 mm adjustment with leveller safety locking when fully adjusted.
- ▶ Adjustment to be carried out with an S4 key by drilling a bespoke hole on the panel.
- ▶ The engineering plastic glide is independent to prevent the scratching of the floor.
- ▶ Zinc alloy, steel and Engineering Plastic.
- ▶ Loading capacity: 150 Kg each.

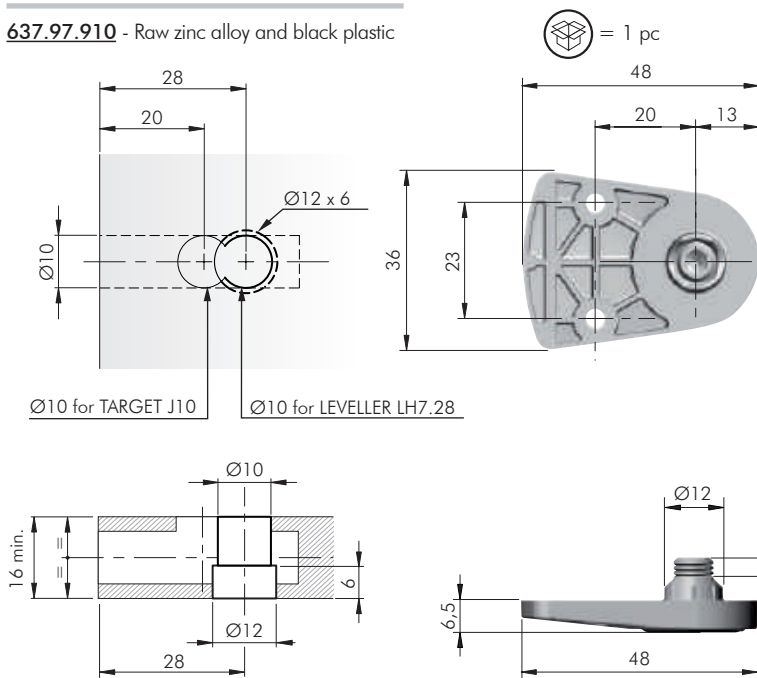


INSTALLATION

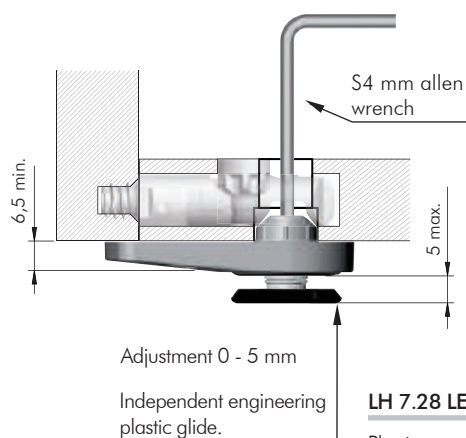


LEVELLER LH 7.28 FOR TARGET J10

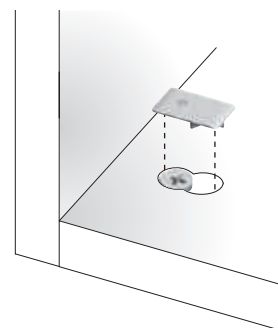
637.97.910 - Raw zinc alloy and black plastic



ADJUSTMENT



COVER CAP INSERTING



LH 7.28 LEVELLER COVER CAP

Plastic

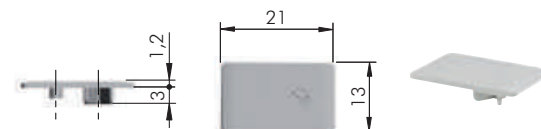
262.11.035 - White

- Light grey

- Anthracite

1 pc

On demand 2500 pcs



ALLEN KEY S4 L. 180 x 70 mm

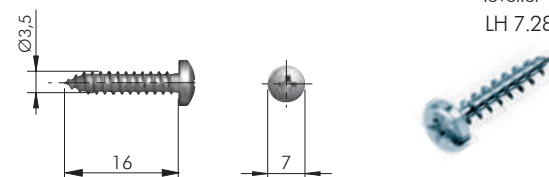
262.11.040 - Steel zinc-plated

1 pc

SELF-TAPPING PAN HEAD SCREW Ø 3,5 x 16 mm

Steel zinc-plated

On demand 2 pcs each leveller LH 7.28





TARGET J12



WIDE RANGE OF APPLICATIONS

Practical solution for a wide range of applications.



EASY PRE-ASSEMBLING

Simple pre-insertion into the panels. Conceived for automatic assembling.



SUITABLE FOR FURNITURE IN KIT

Its unique features make TARGET the ideal solution for kit furniture.



STRONG STRUCTURAL FASTENING

The panels are hard and securely fastened, therefore the cabinet is 100% stress-resistant.



NO HARDWARE KITS

There is no need of hardware kits.



HIGH-SPEED ASSEMBLING

Mounting is extremely fast and efficient thanks to the pre-assembling of the panels.

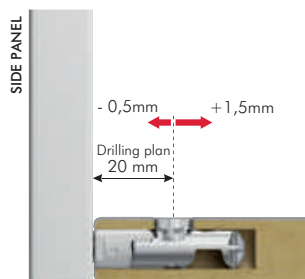
SUITABLE FOR FURNITURE IN KIT

WIDE DRILLING TOLERANCES

HIGH-SPEED ASSEMBLING



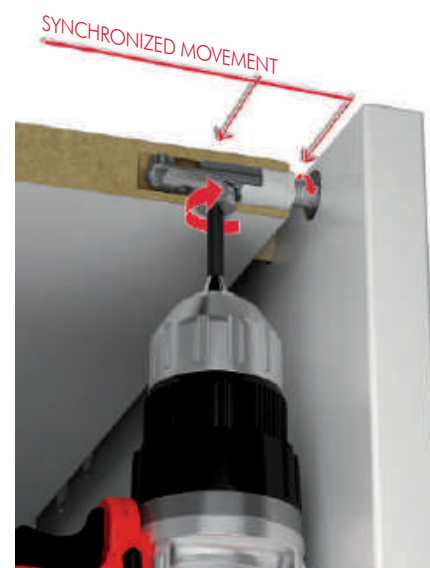
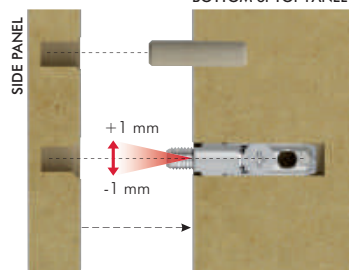
TOLERANCE FOR DISTANCE PINION SCREW HOLE

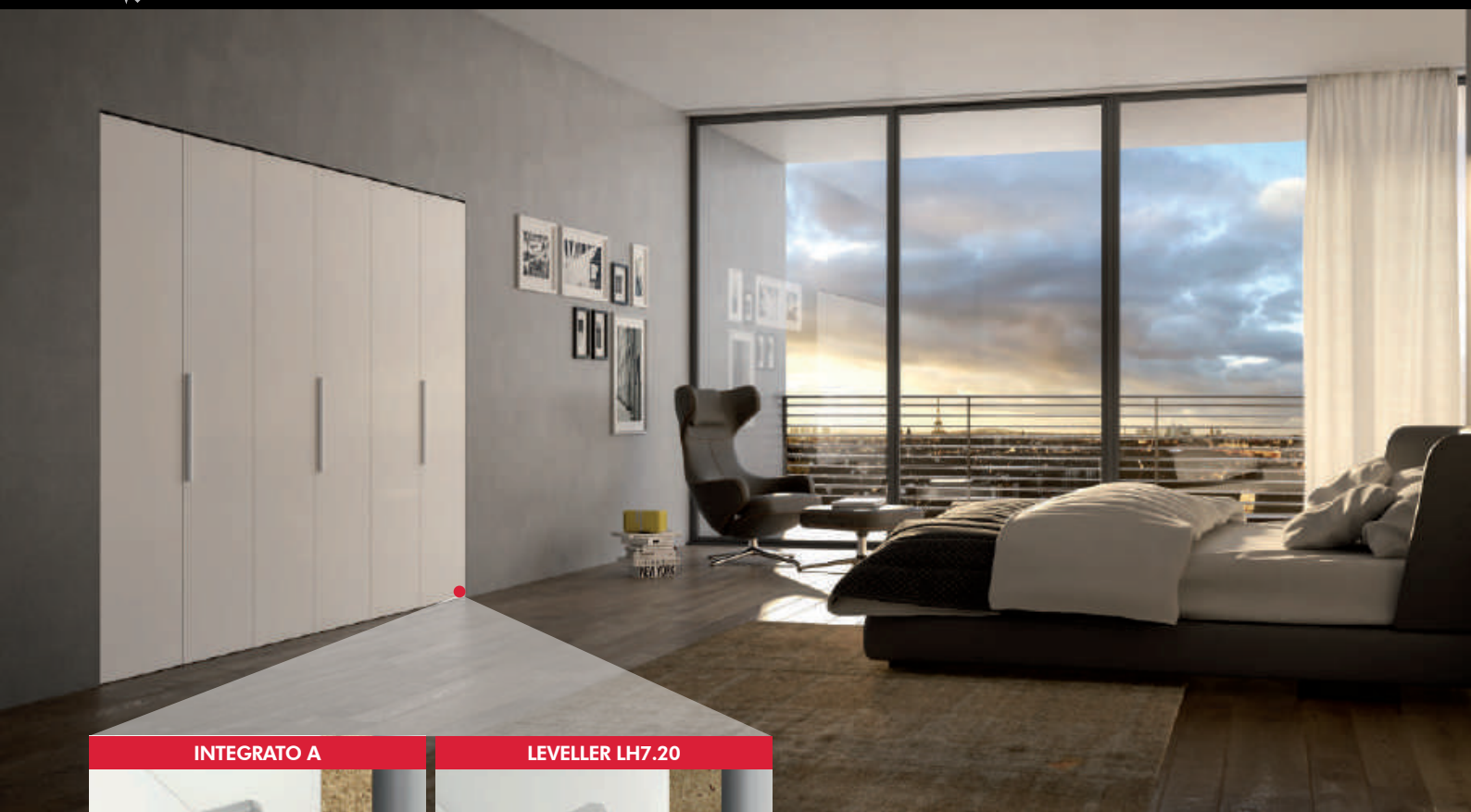


BOTTOM or TOP PANEL

TOLERANCE FOR HOLES NOT ALIGNED

BOTTOM or TOP PANEL





INTEGRATO A

LEVELLER LH7.20



WIDE RANGE OF APPLICATIONS

Practical solution for a wide range of applications.



EASY PRE-ASSEMBLING

Simple pre-insertion into the panels. Conceived for automatic assembling.



SUITABLE FOR FURNITURE IN KIT

Its unique features make TARGET the ideal solution for kit furniture.



STRONG STRUCTURAL FASTENING

The panels are hard and securely fastened, therefore the cabinet is 100% stress-resistant.



NO HARDWARE KITS

There is no need of hardware kits.



HIGH-SPEED ASSEMBLING

Mounting is extremely fast and efficient thanks to the pre-assembling of the panels.

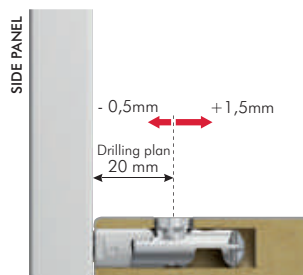
SUITABLE FOR FURNITURE IN KIT

WIDE DRILLING TOLERANCES

HIGH-SPEED ASSEMBLING



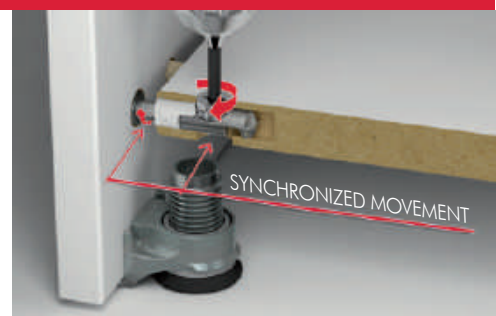
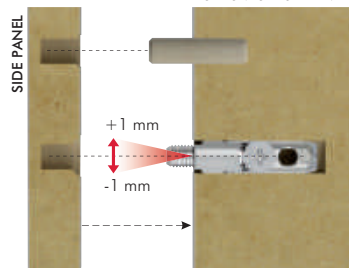
TOLERANCE FOR DISTANCE PINION SCREW HOLE



BOTTOM or TOP PANEL

TOLERANCE FOR HOLES NOT ALIGNED

BOTTOM or TOP PANEL



SYNCHRONIZED MOVEMENT

DIRECT ACCESS TO LEVELLERS

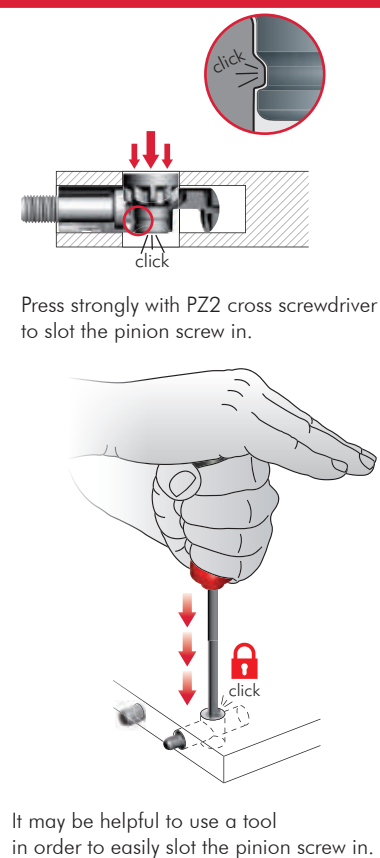
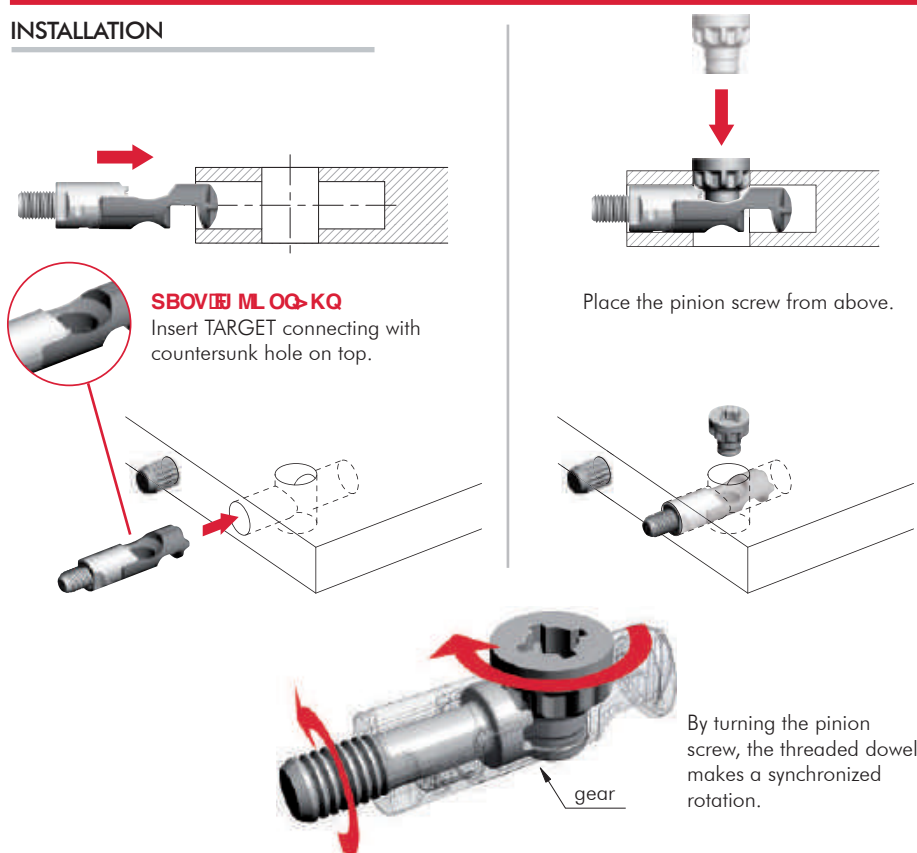


- ▶ TARGET J12 is the new connecting fitting characterized by a very strong fastening capacity and is suitable for wardrobes, bookcases, modular furniture, office furniture.
- ▶ The passing-through hole on the pinion screw gives direct access to the adjustable feet without drilling extra holes.
- ▶ TARGET can be inserted into the furniture either through automatic machinery or by hand.
- ▶ Suitable for furniture kits as it can be pre-mounted on the panel without interfering with the packaging thus eliminating the need for fittings bags
- ▶ Very narrow gap required for the assembly of the furniture which makes TARGET especially practical when working inside a niche.
- ▶ Available with M6 thread to be used in combination with zinc alloy or plastic bush or with Euro thread for direct fastening to the panel.
- ▶ Minimum panel thickness 15mm.
- ▶ Materials: zinc alloy, engineering plastic, tempered steel for the gear parts.

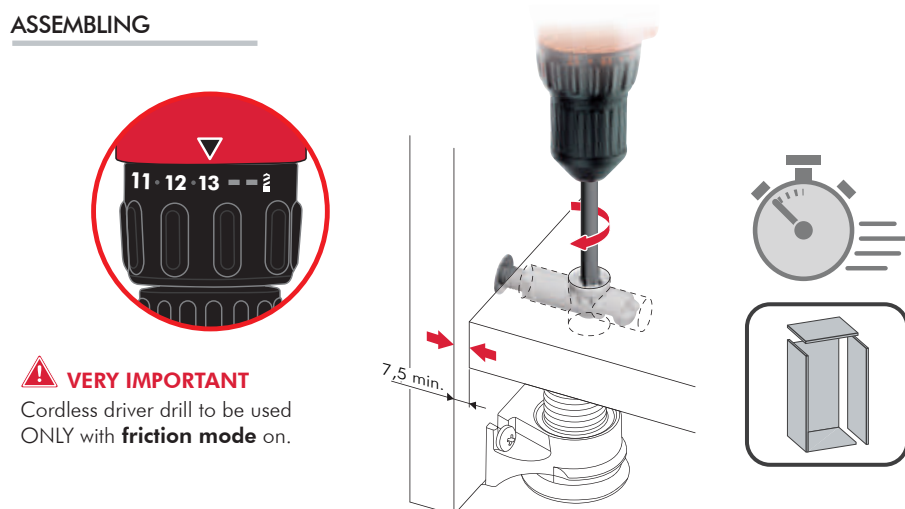


PAT. PENDING

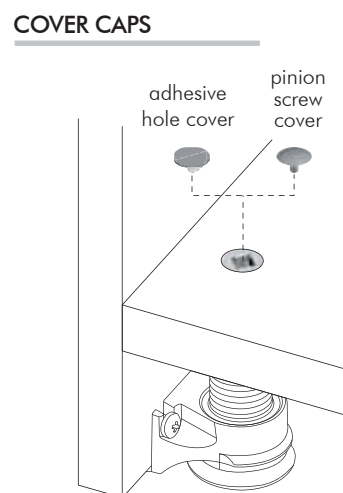
INSTALLATION



ASSEMBLING



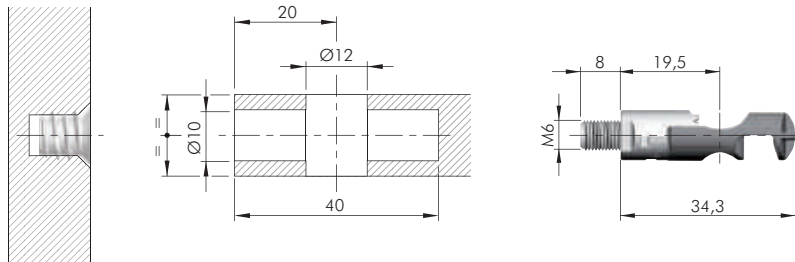
COVER CAPS



TARGET J12 FOR PANEL 15-16 MM THICK MINIMUM, M6

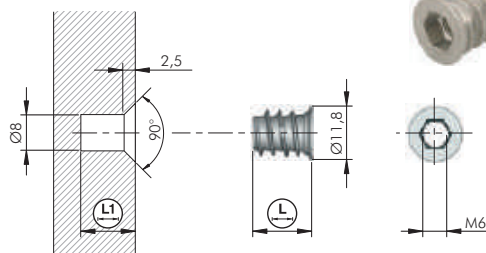
262.11.021 - Zinc alloy, steel zinc-plated and plastic




 = 1 pc



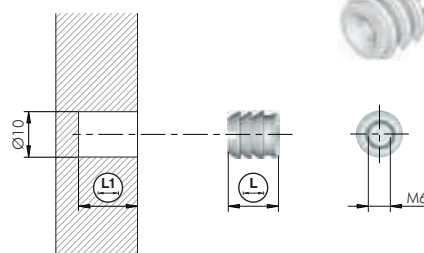
INSERT NUT




Raw zinc-alloy



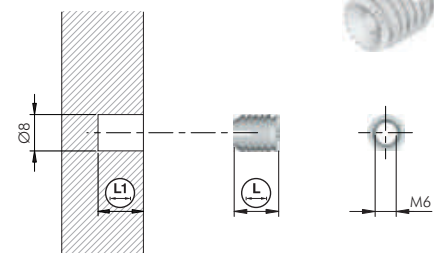
			
030.10.862	13	15	1 pc
030.10.565	17	19	1 pc
030.10.868	10	12	1 pc




Clear plastic



			
On demand	11	13	5000 pcs
On demand	13	15	5000 pcs

Clear plastic

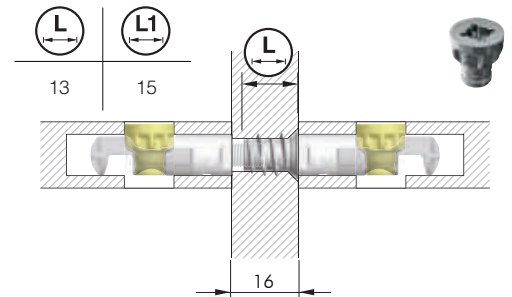
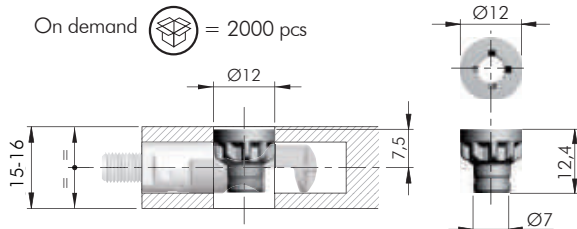


			
On demand	11	13	5000 pcs

TARGET J12 PINION SCREW Ø 12 MM FOR PANEL 15-16 MM THICK


Steel nickel-plated

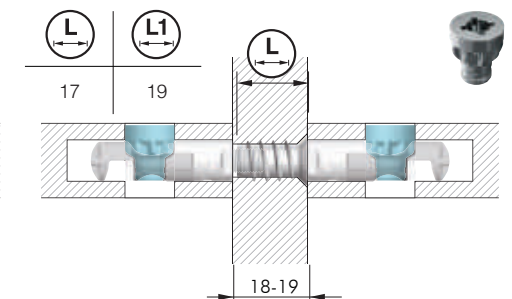
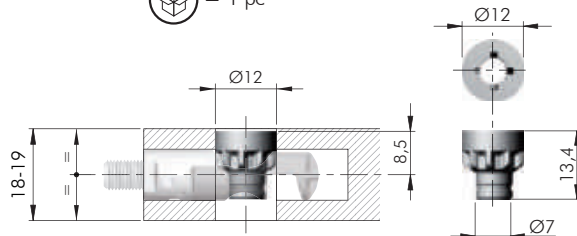
On demand  = 2000 pcs



TARGET J12 PINION SCREW Ø 12 MM FOR PANEL 18-19 MM THICK


262.11.027 - Steel nickel-plated

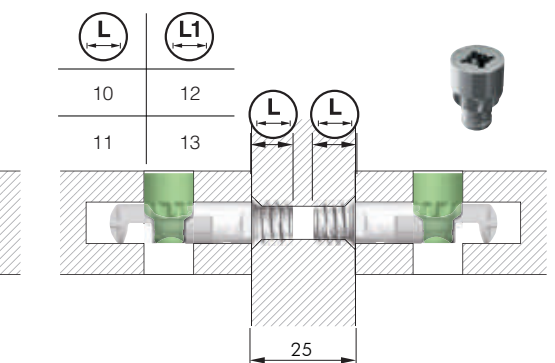
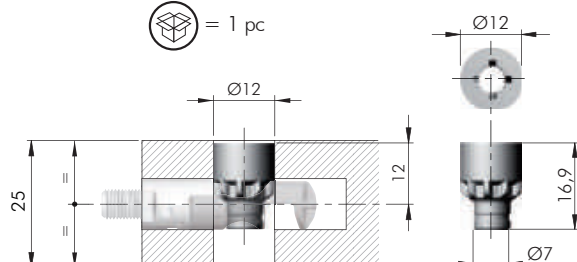
 = 1 pc



TARGET J12 PINION SCREW Ø 12 MM FOR PANEL 25 MM THICK MINIMUM

262.11.029 - Steel nickel-plated

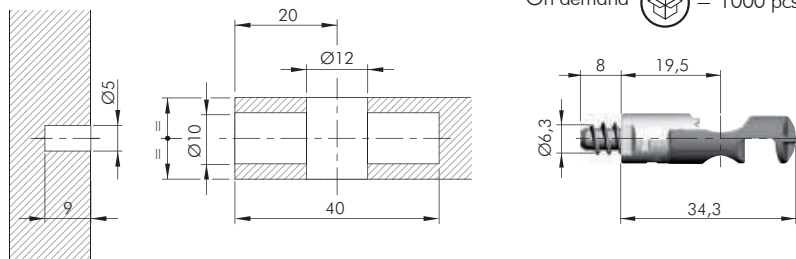
 = 1 pc



TARGET J12 FOR PANEL 15-16 MM THICK MINIMUM, EURO THREAD L. 8 MM

Zinc alloy, steel zinc-plated and plastic

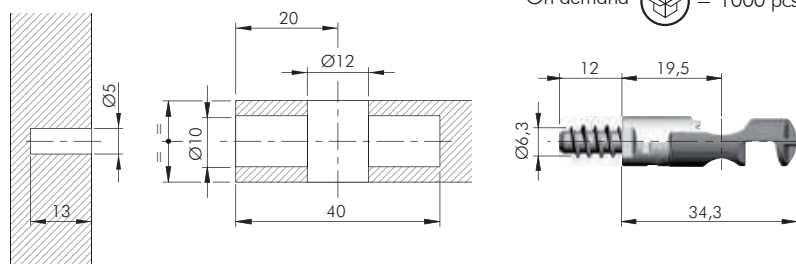
On demand  = 1000 pcs



TARGET J12 FOR PANEL 15-16 MM THICK MINIMUM, EURO THREAD L. 12 MM

Zinc alloy, steel zinc-plated and plastic

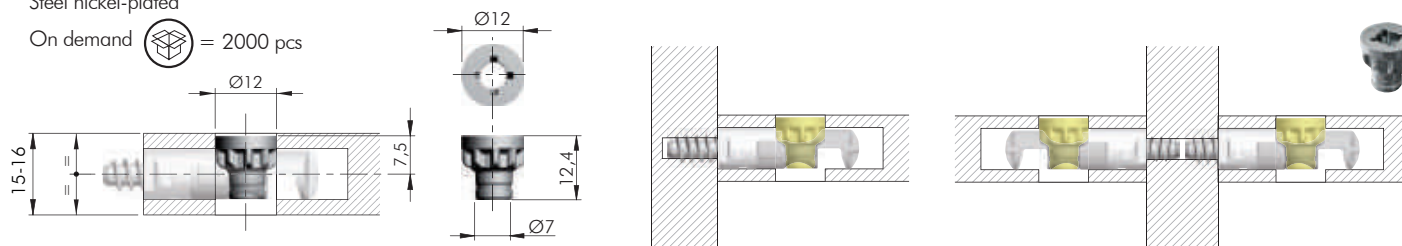
On demand  = 1000 pcs



TARGET J12 PINION SCREW Ø 12 MM FOR PANEL 15-16 MM THICK

Steel nickel-plated

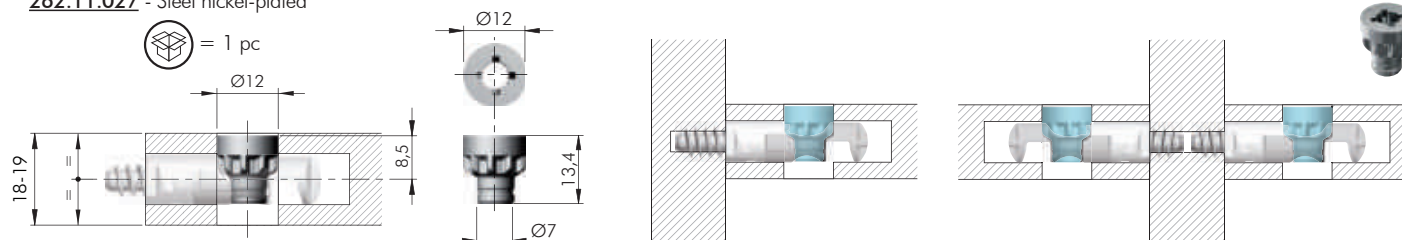
On demand  = 2000 pcs



TARGET J12 PINION SCREW Ø 12 MM FOR PANEL 18-19 MM THICK

262.11.027 - Steel nickel-plated

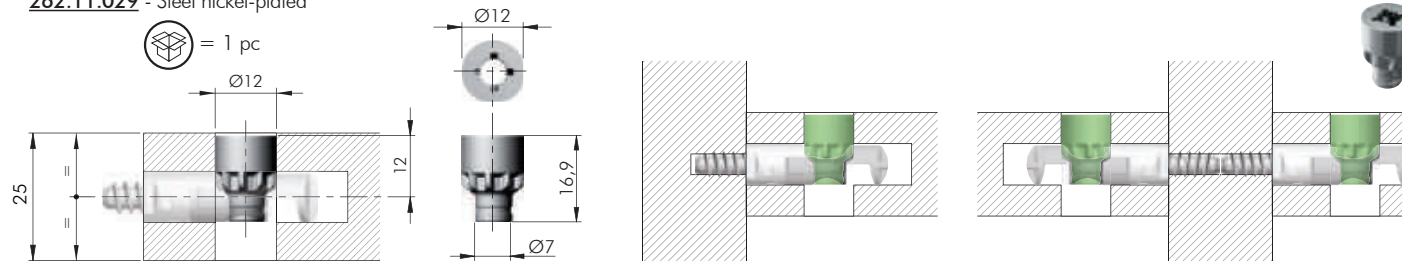
 = 1 pc



TARGET J12 PINION SCREW Ø 12 MM FOR PANEL 25 MM THICK MINIMUM

262.11.029 - Steel nickel-plated



 = 1 pc

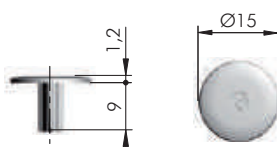


TARGET J12 PINION SCREW COVER

Plastic

262.11.037 - White
- Light grey
- Anthracite

On demand  = 1 pc
 = 5000 pcs



All information about drilling jigs are available at the end of the section Target.

LH7.20

ADJUSTABLE LEVELLER

SPECIAL ORDER



HÄFELE

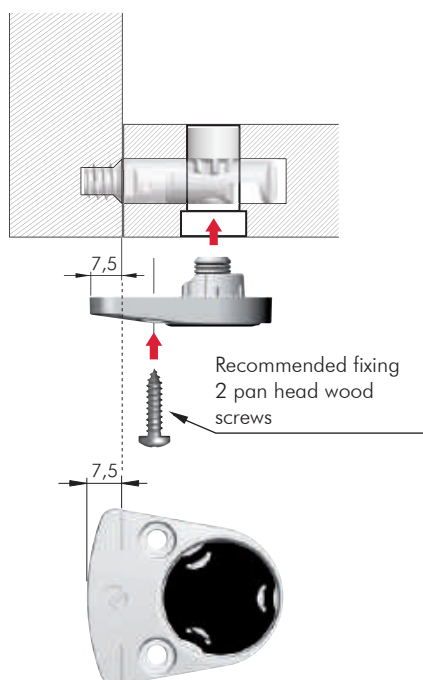


For further information: www.italianaferramenta.com > CATALOGUE > CONNECTINGS

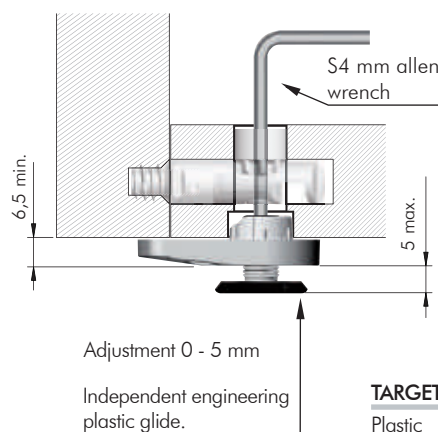
- ▶ Particularly suitable for wall units with weight-bearing bottoms.
- ▶ Minimum panel thickness 25mm in combination with Target J12.
- ▶ 5 mm adjustment with leveller safety locking when fully adjusted.
- ▶ Adjustment to be carried out with an S4 key through the pinion hole (no need for extra drilling).
- ▶ The engineering plastic glide is independent to prevent the scratching of the floor.
- ▶ Zinc alloy, steel and Engineering Plastic.
- ▶ Loading capacity: 150 Kg each.



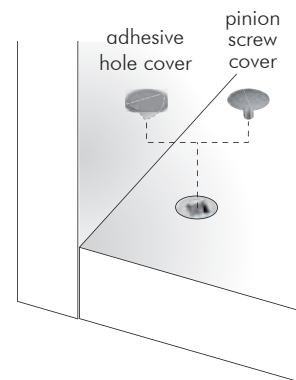
INSTALLATION



ADJUSTMENT



COVER CAP INSERTING



TARGET J12 PINION SCREW COVER

Plastic

262.11.037 - White

- Light grey

- Anthracite

On demand

= 1 pc

= 5000 pcs



LEVELLER LH 7.20 FOR TARGET J12

ARTICLE NO.	FINISH/COLOUR
*special article	Raw zinc alloy and black plastic

Minimum Order Quantity = 250 pcs

ALLEN KEY S4 L. 180 x 70 mm

262.11.040 - Steel zinc-plated

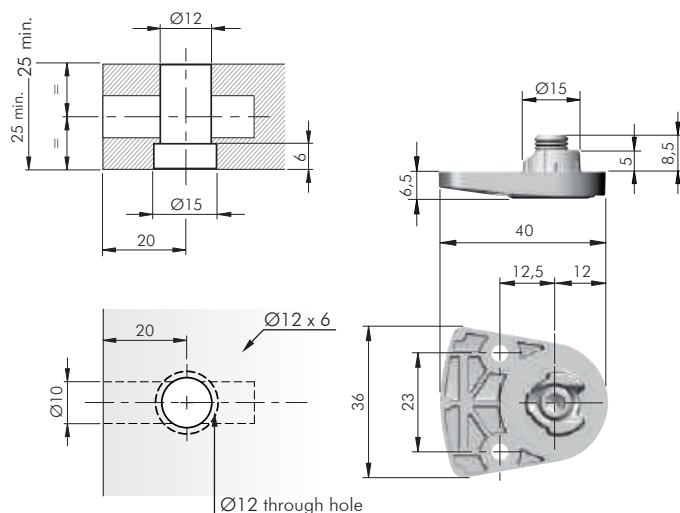
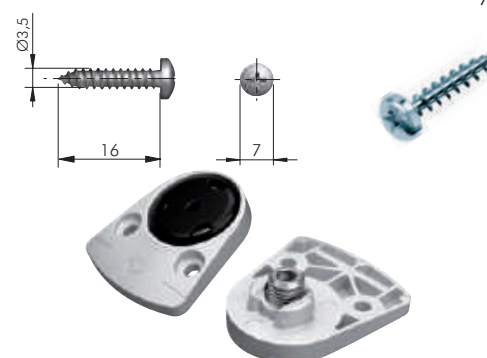
= 1 pc

SELF-TAPPING PAN HEAD SCREW Ø 3,5 x 16 mm

Steel zinc-plated

On demand

= 2 pcs each leveller LH 7.20

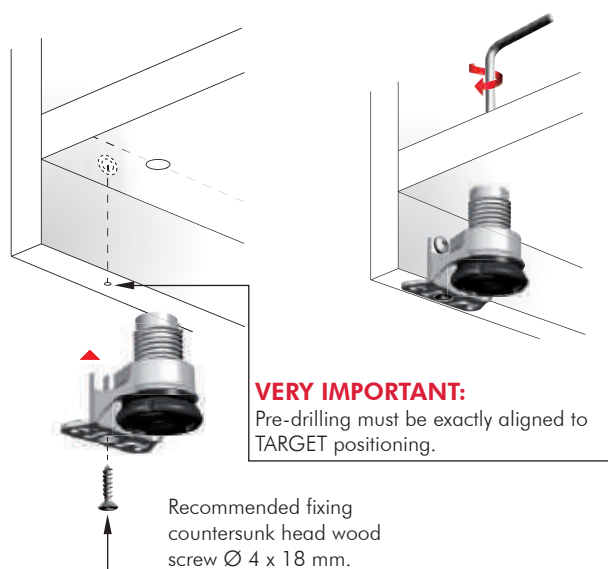




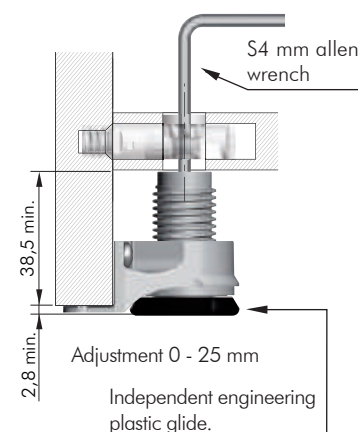
- ▶ Integrato is the leveller suitable to align heavy duty wardrobes, bookcases and modular furniture.
- ▶ The leveller is installed and safely fixed to the side panel by 2 countersunk head screw $\varnothing 4 \times 16$ mm and also 2 pan head screws $\varnothing 4 \times 15$ mm.
- ▶ The leveller adjustment is possible thanks to the passing through hole of TARGET J12 pinion screw by using a S4 allen wrench.
- ▶ The zinc alloy die-cast foot, is provided with an independent engineering plastic glide in order to make the adjustment easier and to prevent the scratching of the floor too.
- ▶ Over the leveller can be slotted a spacer to give a structural support to the furniture bottom. The spacer is available in three heights.
- ▶ Capable of supporting a 175 Kg load each.
- ▶ Available with 12 and 25 mm adjustment.



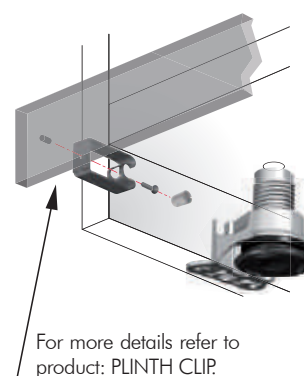
INSTALLATION



ADJUSTMENT

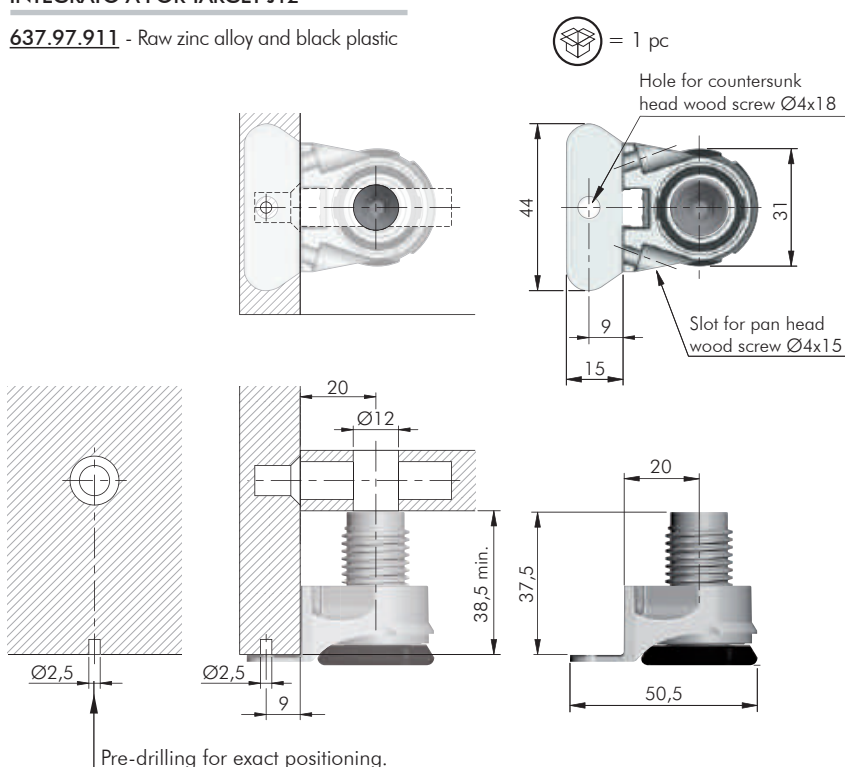


PLINTH CLIP

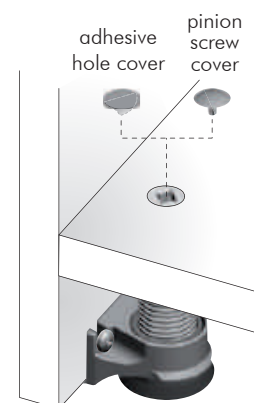


INTEGRATO A FOR TARGET J12

637.97.911 - Raw zinc alloy and black plastic



COVER CAP INSERTING



ALLEN KEY S4 L. 180 x 70 mm

262.11.040 - Steel zinc-plated

= 1 pc

TARGET J12 PINION SCREW COVER

Plastic

262.11.037 - White

- Light grey

- Anthracite

= 1 pc

On demand

= 5000 pcs

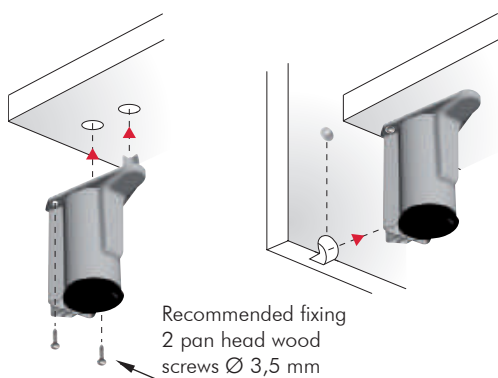




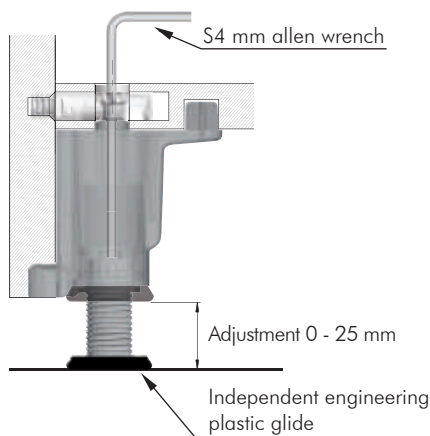
- ▶ Suitable for heavy duty wardrobes, bookcases, modular furniture, office furniture
- ▶ It can be used with TARGET J12
- ▶ Minimum shelf thickness 16mm
- ▶ For cabinets with intermediate panels or partitions which can be mounted on both sides starting from 16 mm panel thickness.
- ▶ Easy and practical adjustment with S4 allen wrench (if assembled with TARGET J12) as well as S6 allen wrench for other applications
- ▶ Zinc alloy foot provided with an independent plastic glide for easier adjustment and to prevent floor scratching.
- ▶ Plastic cover cap available in combination with TARGET J12 as well as for other applications
- ▶ Adjustment 0-25 mm.
- ▶ Capacity loading 175 Kilos each.
- ▶ Plastic and zinc alloy.



INSTALLATION

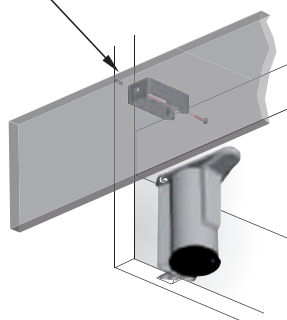


ADJUSTMENT



PLINTH CLIP

For more details refer to
product: PLINTH CLIP.



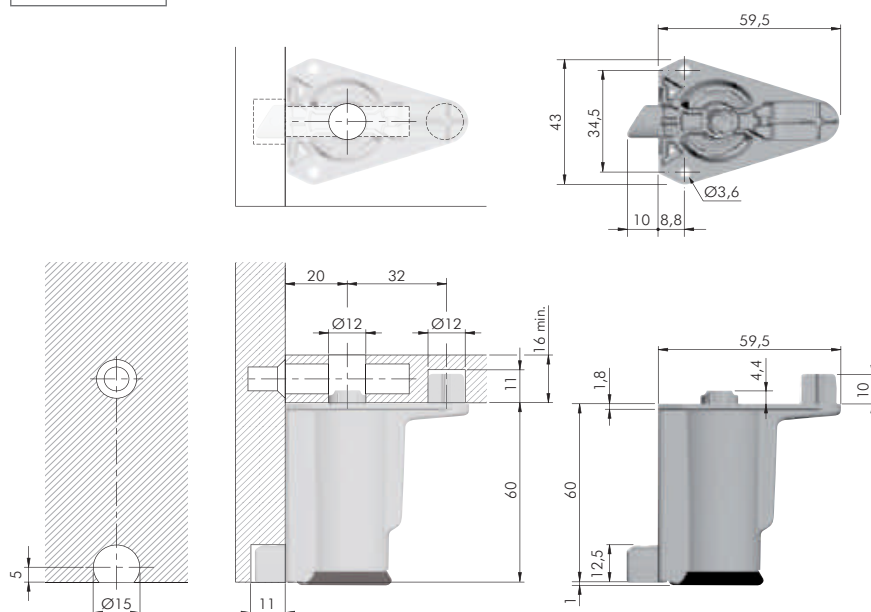
LEVELLER LH60.20 FOR TARGET J12

Raw zinc alloy and plastic

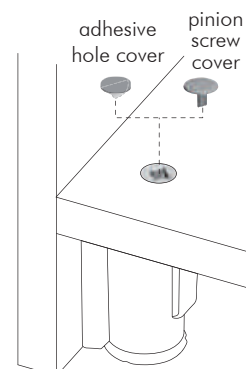
ARTICLE NO.

*special article

Minimum Order Quantity = 70 pcs



COVER CAP INSERTING

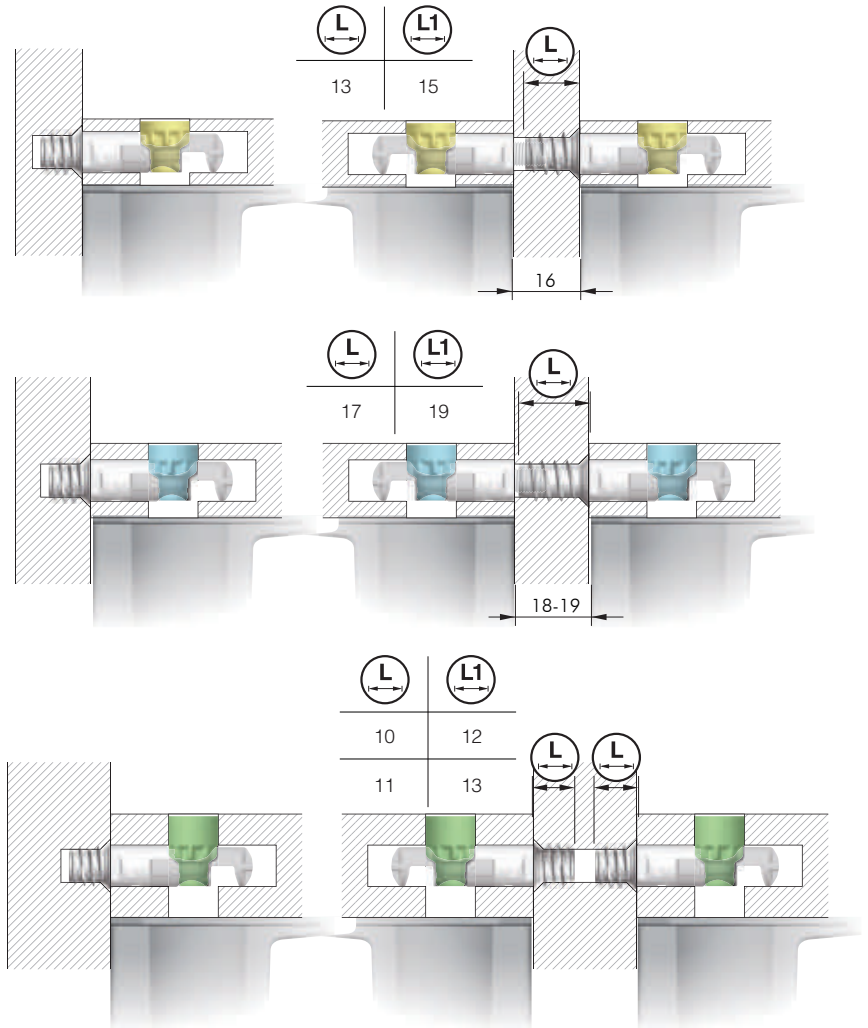
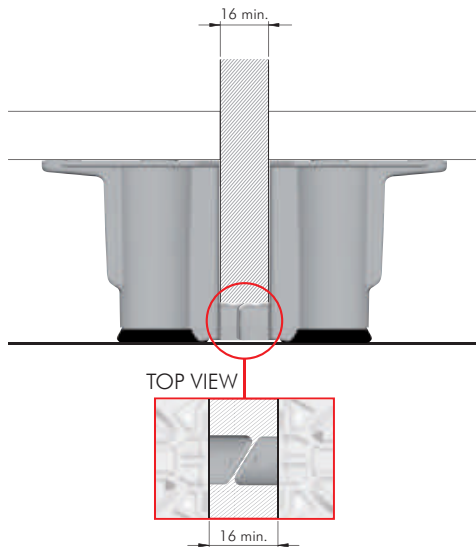


ALLEN KEY S4 L. 180 x 70 mm

262.11.040 - Steel zinc-plated

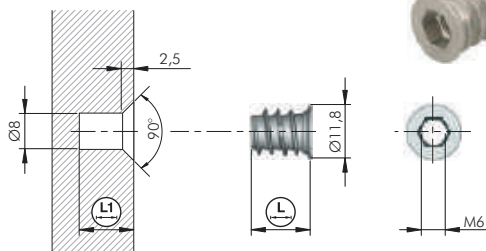
= 1 pc

APPLICATIONS FOR END PANEL AND PARTITION 16 mm THICK MINIMUM



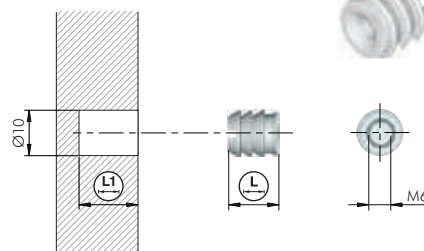
INSERT NUT

Raw zinc-alloy



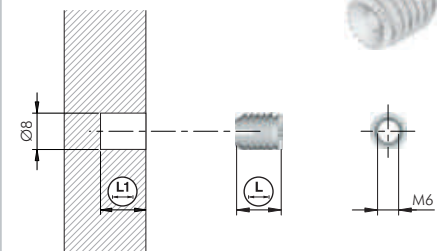
030.10.862	13	15	1 pc
030.10.565	17	19	1 pc
030.10.868	10	12	1 pc

Clear plastic



On demand	11	13	5000 pcs
On demand	13	15	5000 pcs

Clear plastic



On demand	11	13	5000 pcs

TARGET J12 PINION SCREW COVER

Plastic

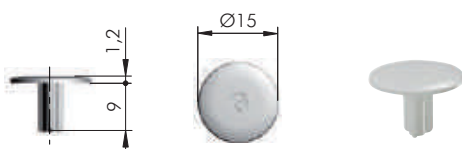
262.11.037 - White

- Light grey

- Anthracite

= 1 pc

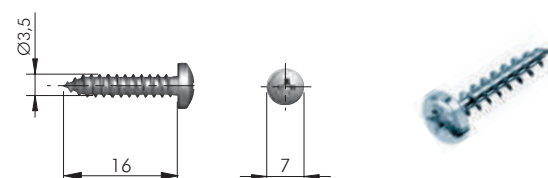
On demand = 2500 pcs



SELF-TAPPING PAN HEAD SCREW Ø 3,5 x 16 mm

Steel zinc-plated

On demand = 2 pcs each
leveller LH60.20



DRILLING JIG TARGET J10/J12

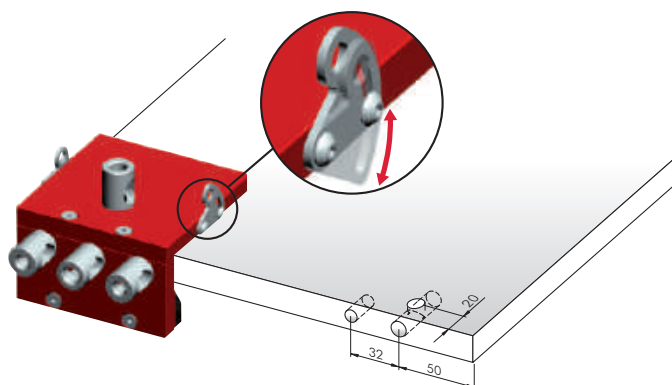


HÄFELE



For further information: www.italianaferramenta.com > CATALOGUE > DRILLING JIGS

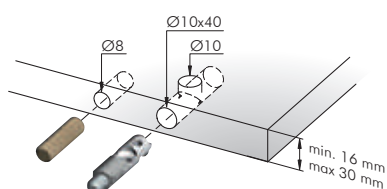
GENERAL SPECIFICATIONS



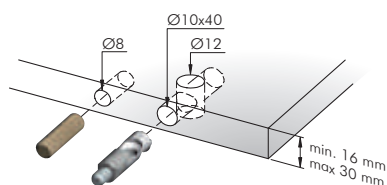
TARGET J10/J12 DRILLING JIG For panel thicknesses 16 and 25 mm

Aluminium, steel and plastic.

TARGET J10

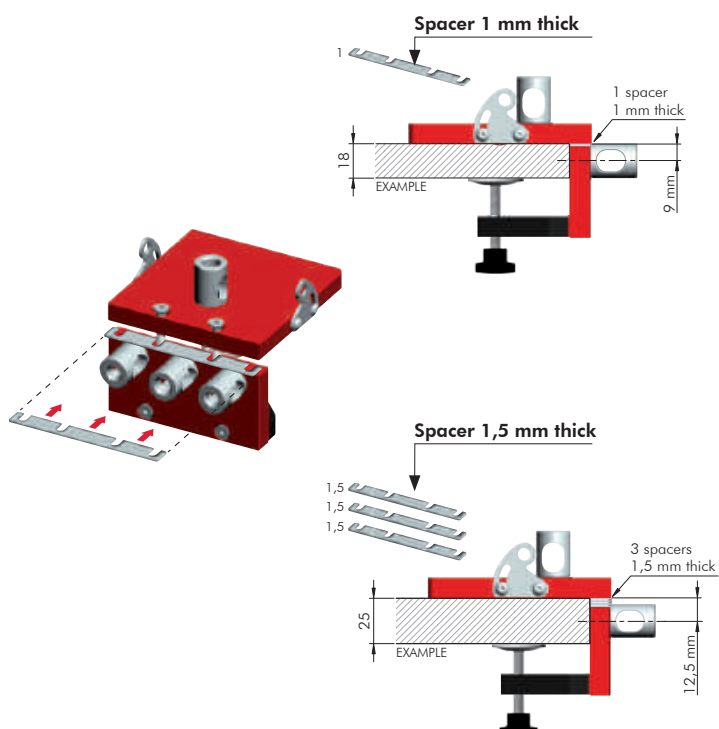
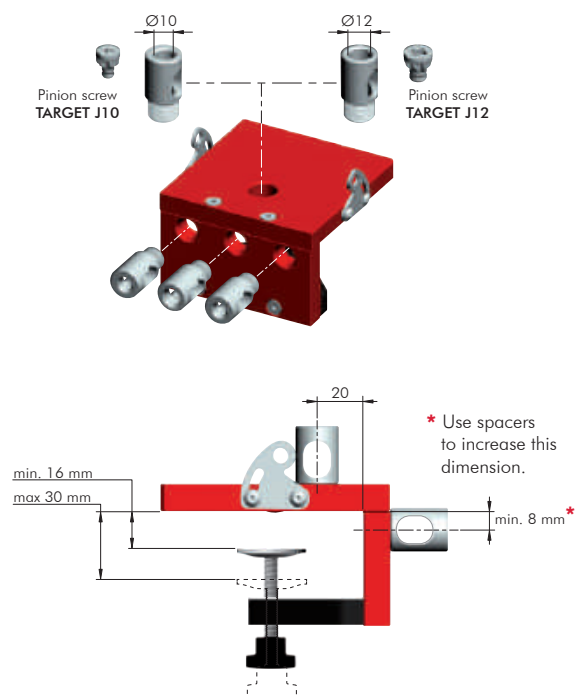


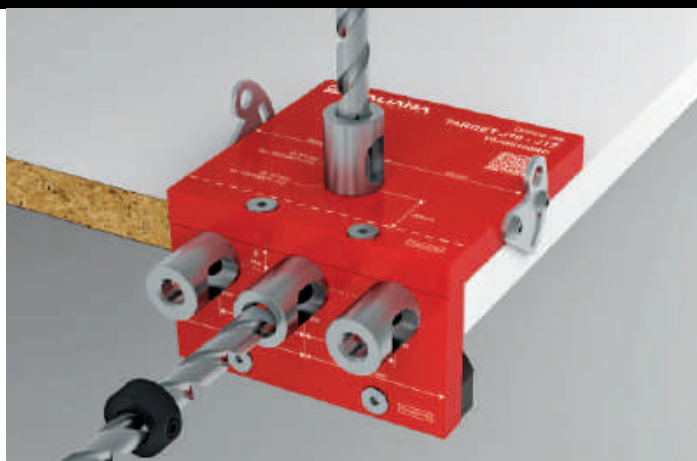
TARGET J12



APPLICATION OPTIONS

DRILLING SPACERS FOR OTHER PANEL THICKNESSES



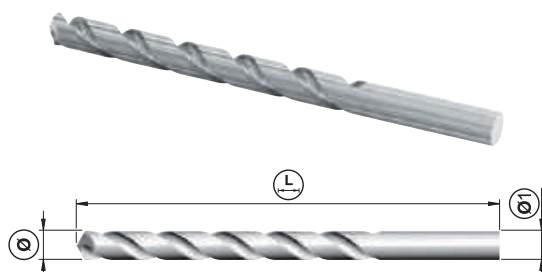


DRILL BIT

High speed steel.

- For drilling jig we recommend to use precision ground steel drill bit HSS-G.

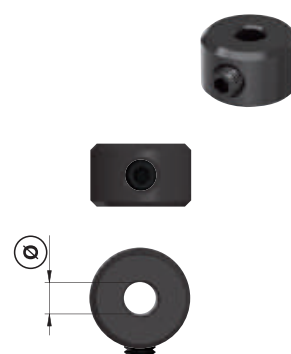
Ø	L	Ø1
Ø5	86	Ø5
Ø8	117	Ø8
Ø10	133	Ø10
Ø12	150	Ø10



STOP COLLARS

Steel.

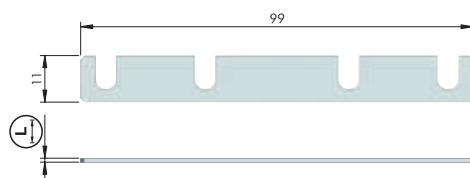
Ø
Ø5
Ø8
Ø10
Ø12



SPACERS FOR TARGET J10/J12 DRILLING JIG

Aluminium.

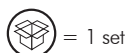
L
1
1,5



DRILLING JIG TARGET J10/J12 SET

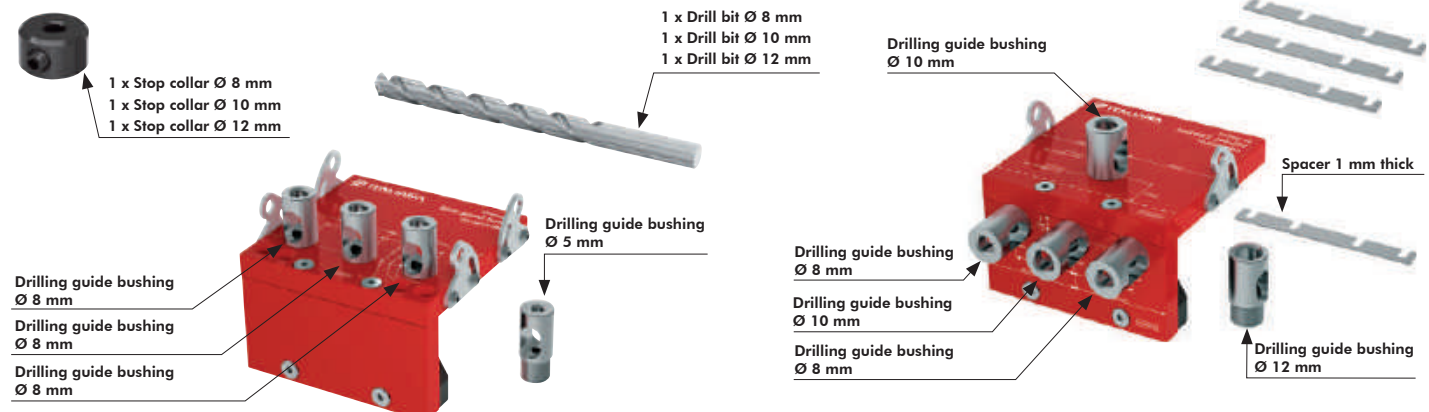
DRILLING JIG TARGET J10/J12 SET

001.15.160 - Aluminium, steel and plastic.



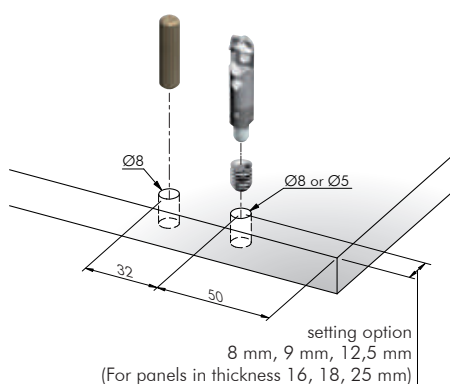
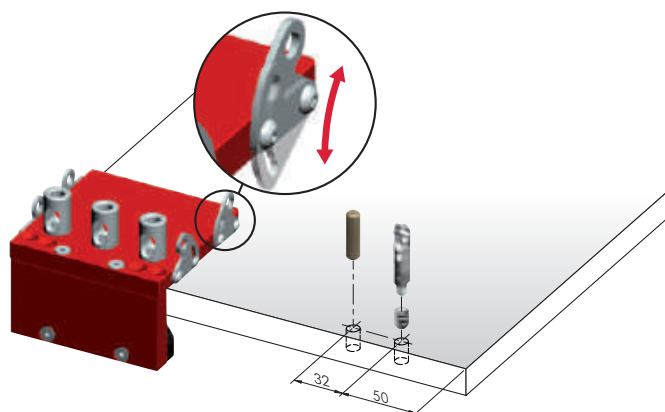
= 1 set

The set is supplied in carton box, including the instruction sheet and the following parts:





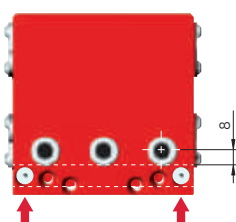
GENERAL SPECIFICATIONS



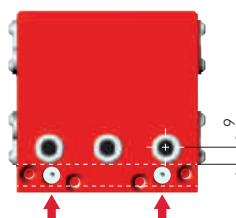
APPLICATION OPTIONS

PANEL THICKNESS SETTING

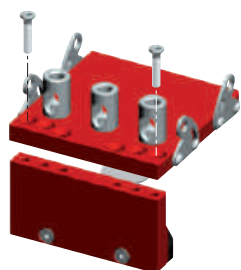
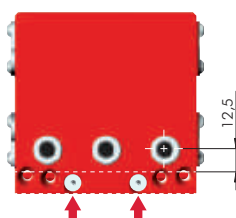
Setting for 8 mm



Setting for 9 mm

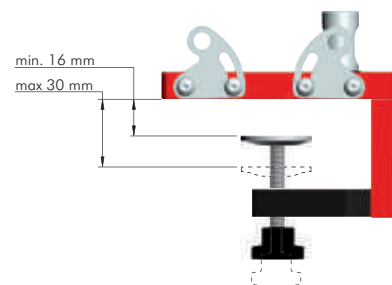
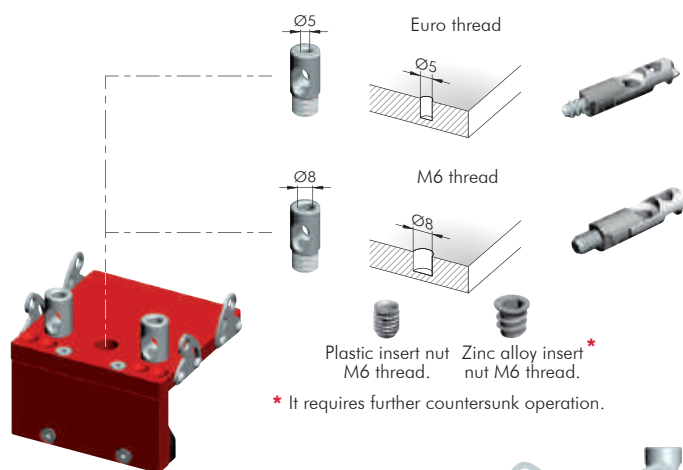


Setting for 12,5 mm



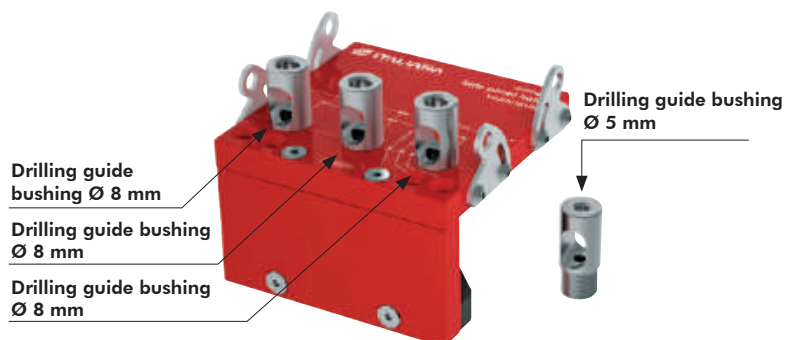
APPLICATION OPTIONS

TARGET EURO/M6 THREAD

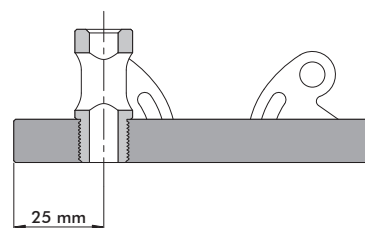
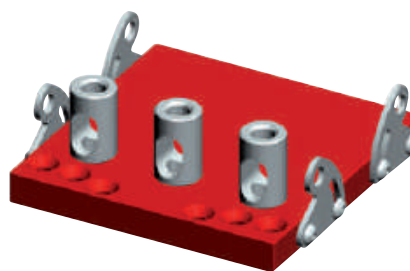
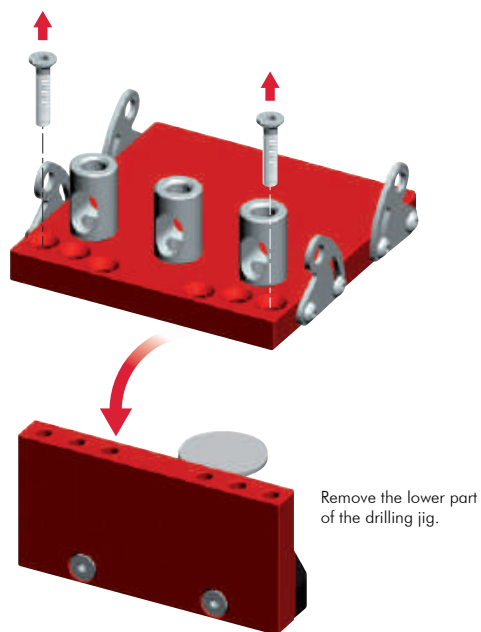


DRILLING JIG TARGET FOR SIDE PANELS

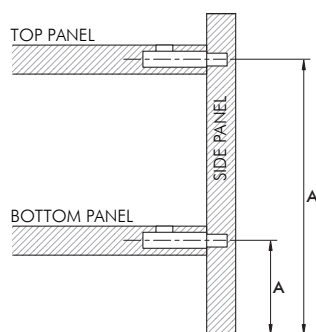
Aluminium, steel and plastic.



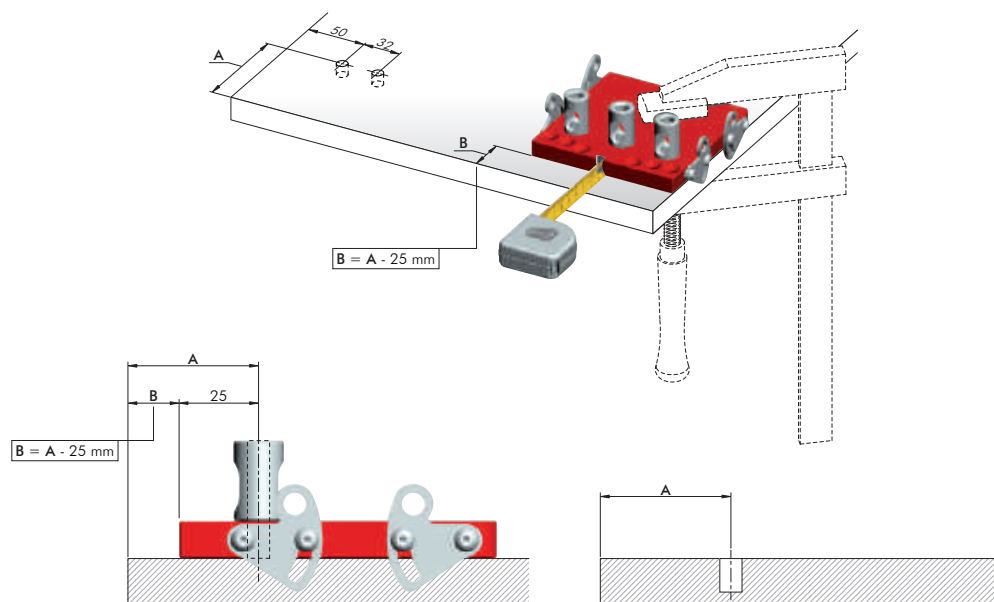
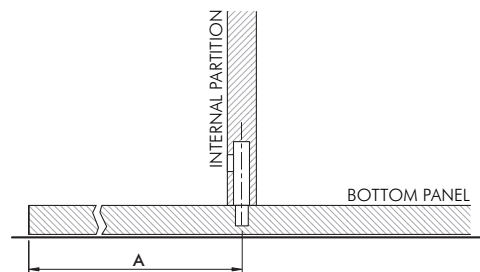
REMOVAL OF THE LOWER PART



SIDE PANEL DRILLING ACCORDING TO BOTTOM AND TOP POSITIONING



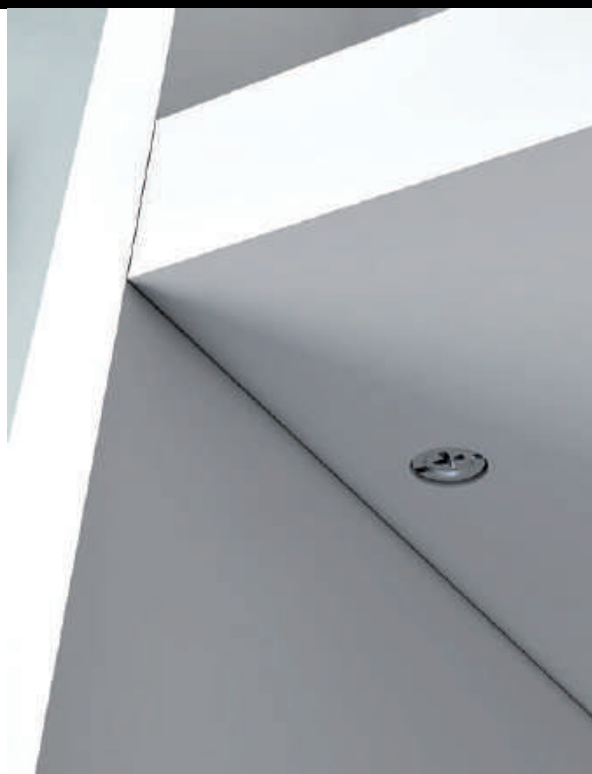
BOTTOM AND TOP DRILLING PANELS FOR INTERNAL PARTITION



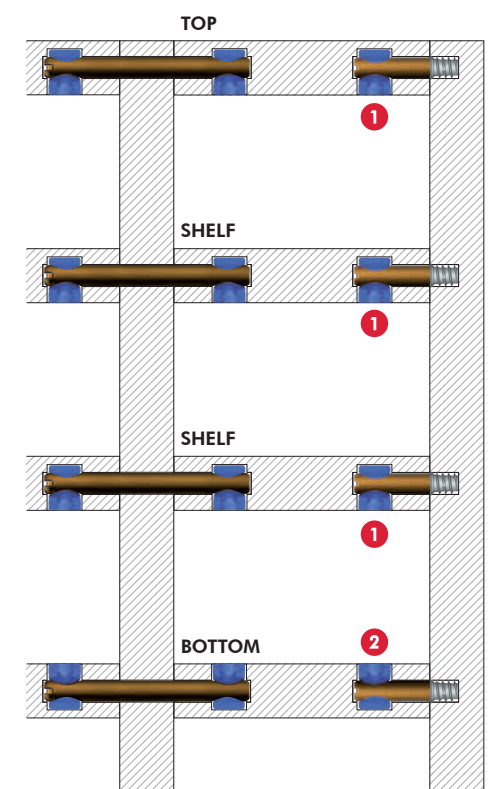
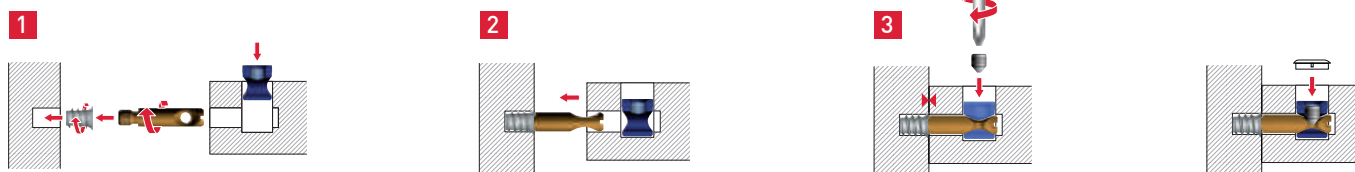


For further information: www.italianaferramenta.com > CATALOGUE > CONNECTINGS

- ▶ One of the strongest connecting fittings available on the market.
- ▶ Suitable for heavy duty wardrobes, bookcases, modular furniture, office furniture and dismantled furniture (Do It by Yourself).
- ▶ Different versions available for minimum 12 mm thick panel.
- ▶ Consists of four parts:
 - INSERT NUT to be slotted into the furniture side (pic.1).
 - CROSS DOWEL with metric socket to be inserted into the shelf/top/ bottom panel (pic.1).
 - FASTENING DOWEL with countersunk hole on both sides, to be screwed into the insert nut (pic.2).
 - METRIC INSERT to be screwed into the cross dowel to carry out the fastening function (pic.3).
- ▶ Once the furniture side is horizontally pressed against the shelf/top/bottom the FASTENING DOWEL crosses the CROSS DOWEL.
- ▶ The through hole of the FASTENING DOWEL and the metric socket of the CROSS DOWEL are now off-line.
- ▶ While screwing the METRIC INSERT the 2 components perfectly align, thus providing a strong structural fastening.
- ▶ A plastic cover cap can be used to conceal the housing on the panel.
- ▶ Zinc alloy, steel.

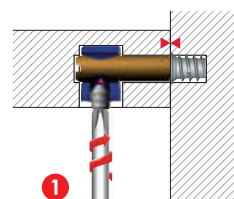


INSTALLATION

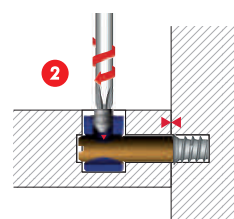


STRUCTURAL FASTENING with blade 1x5,5 or cross PZ2 screwdriver:

From the lower side, for the shelves
and for the top.



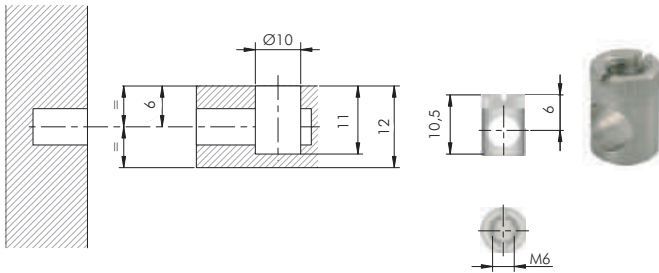
From the upper side, for the furniture
floor.



CROSS DOWEL FOR PANEL 12 mm THICK MINIMUM

262.35.005 - Steel zinc-plated

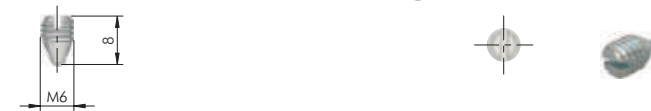
 = 1 pc



METRIC INSERT

030.00.305 - Steel zinc-plated

 = 1 pc



COVER CAP

045.08.010 - White plastic

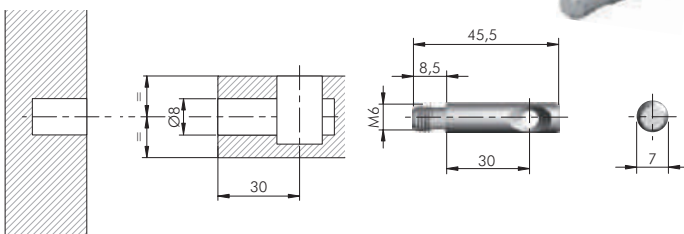
 = 1 pc  = 5000 pcs



DOWEL

262.87.110 - Steel zinc-plated

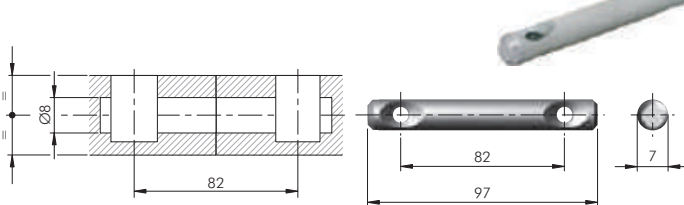
 = 1 pc



DOUBLE END DOWEL

262.87.112 - Steel zinc-plated

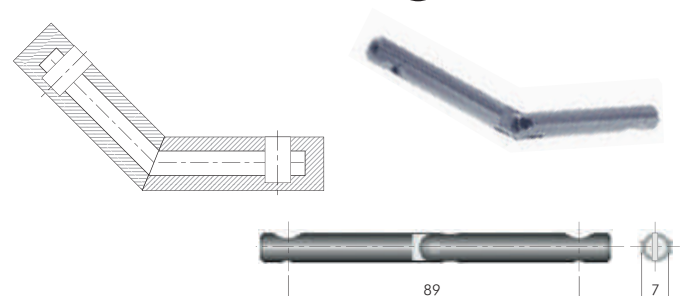
 = 1 pc



PIVOTING DOUBLE END DOWEL

262.87.151 - Steel zinc-plated

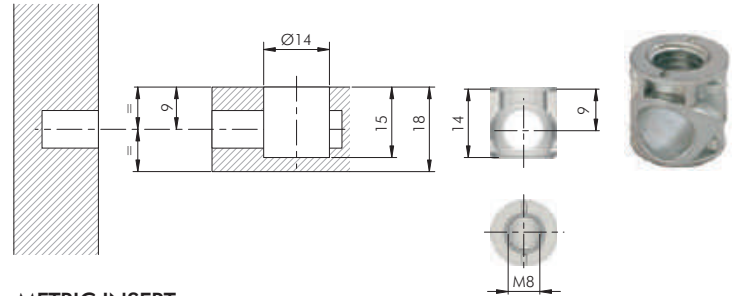
 = 1 pc



CROSS DOWEL FOR PANEL 18 mm THICK MINIMUM

262.35.007 - Zinc alloy zinc-plated

 = 1 pc



METRIC INSERT

030.00.403 - Zinc alloy zinc-plated

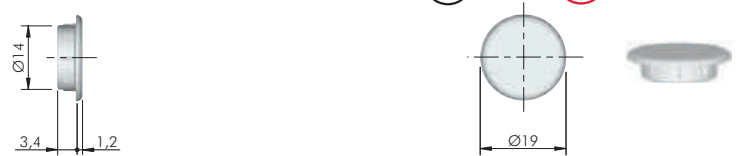
 = 1 pc



COVER CAP

045.08.014 - White plastic

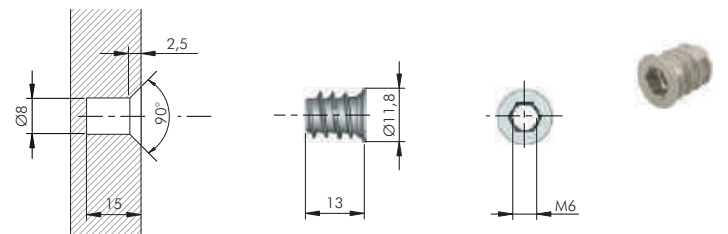
 = 1 pc  = 10.000 pcs



INSERT NUT

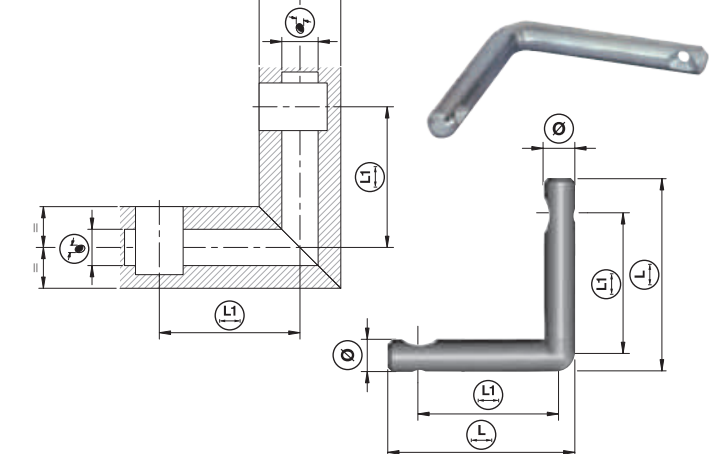
030.10.862 - Raw zinc alloy.






 = 1 pc



90° DOUBLE END DOWEL

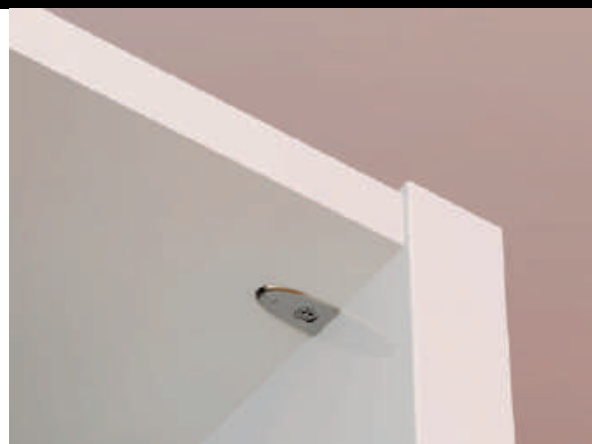
Steel zinc-plated



					
262.87.111	39	31	8	7	1 pc
On demand	75	64	9	8	300 pcs



- ▶ New connecting fitting characterized by a very strong fastening capacity.
- ▶ Suitable for heavy duty wardrobes, bookcases, modular furniture, office furniture and dismantled furniture (Do It by Yourself).
- ▶ Available for 18, 25, 29 mm thick panels.
- ▶ Consists of a single zinc alloy element to be inserted onto the top and base of the cabinet.
- ▶ Connection to be carried out through a worm gear. Can be operated from inside the furniture by using a screwdriver or a cordless driver drill.
- ▶ 12° inclined cross socket for easy cabinet construction.
- ▶ M6 threaded pin is subsequently screwed onto a pre-inserted insert nut on the side of the furniture.
- ▶ Zinc alloy and steel.
- ▶ In accordance with Italian CATAS INSTITUTE procedures.



interzum award:
intelligent
material & design
2009



WIDE RANGE OF APPLICATIONS

Practical solution for a wide range of applications.



SUITABLE FOR FURNITURE IN KIT

Its unique features make TARGET the ideal solution for kit furniture.



NO HARDWARE KITS

There is no need of hardware kits.



EASY PRE-ASSEMBLING

Simple pre-insertion into the panels. Conceived for automatic assembling.



STRONG STRUCTURAL FASTENING

The panels are hard and securely fastened, therefore the cabinet is 100% stress-resistant.

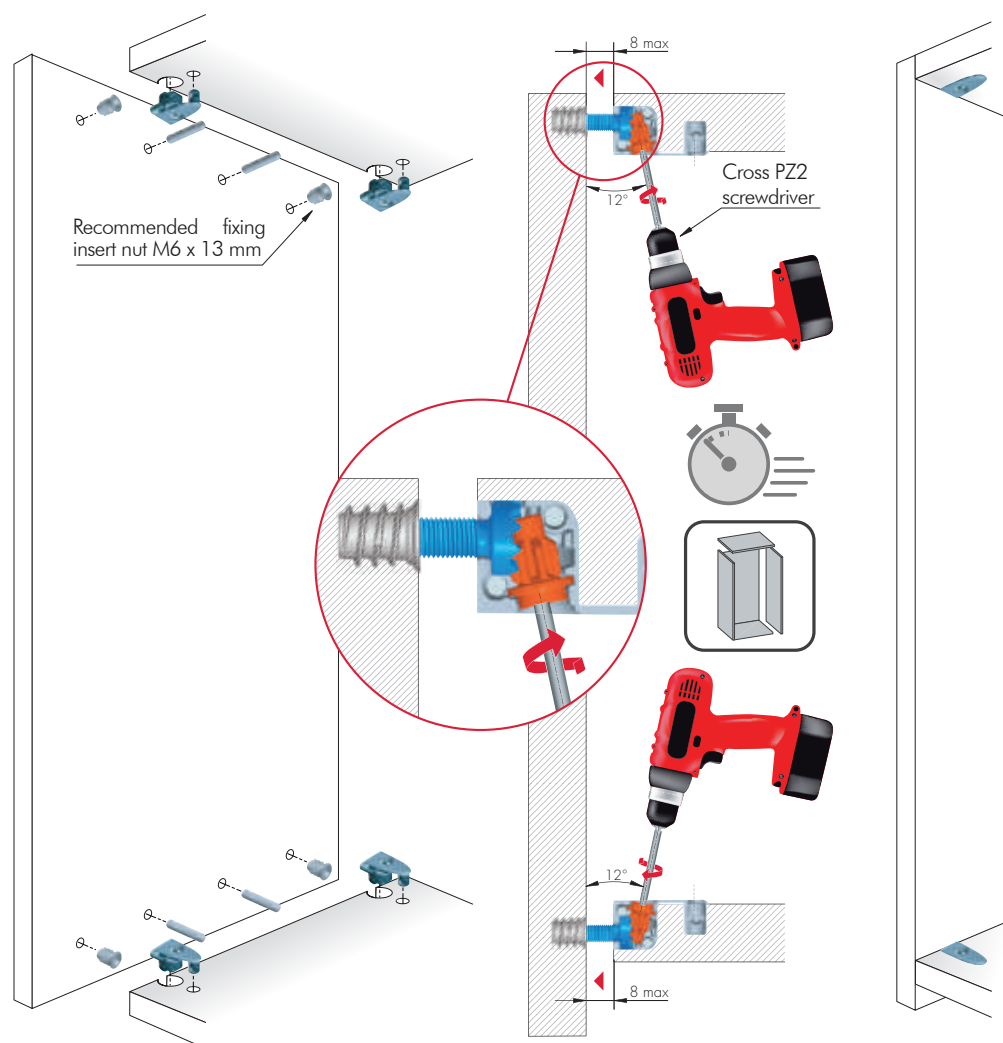


HIGH-SPEED ASSEMBLING

Mounting is extremely fast and efficient thanks to the pre-assembling of the panels.



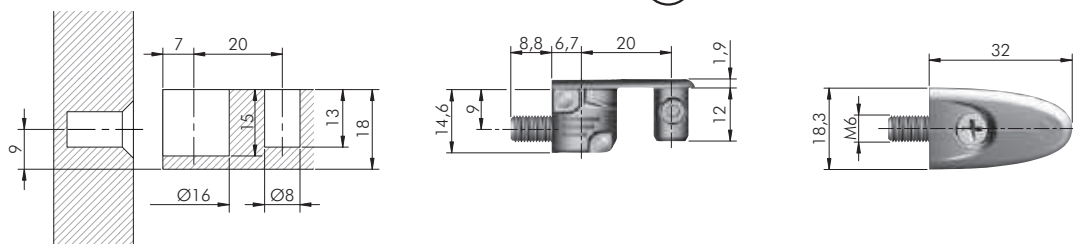
INSTALLATION



ELEFANT FOR PANEL 18-19 mm THICK

263.10.501 - Zinc alloy and steel nickel-plated

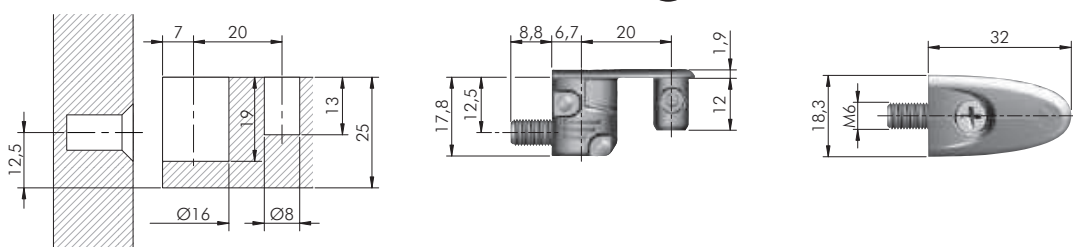
 = 1 pc



ELEFANT FOR PANEL 25 mm THICK

263.10.502 - Zinc alloy and steel nickel-plated

 = 1 pc

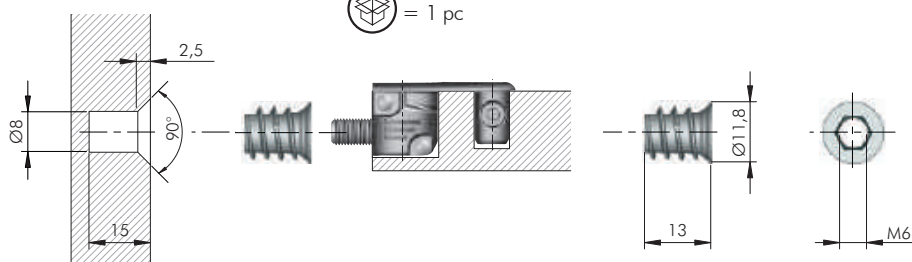


APPLICATION FOR END PANEL

Insert nut L. 13 mm

030.10.862 - Raw zinc alloy

 = 1 pc

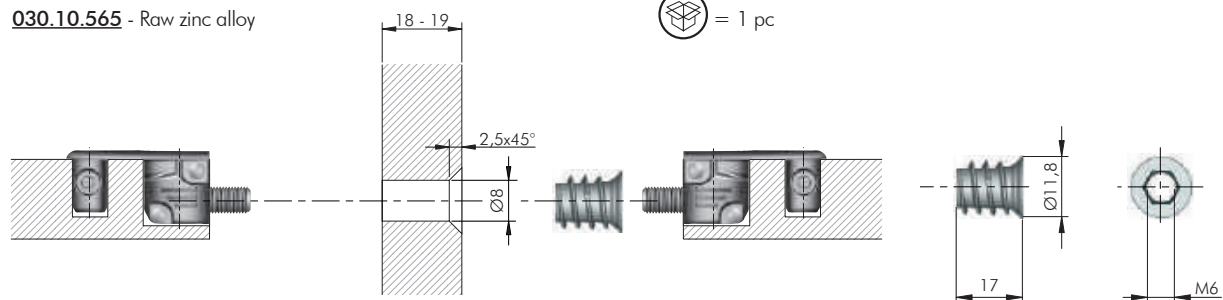


APPLICATION FOR PARTITION 18-19 mm THICK

Insert nut L. 17 mm

030.10.565 - Raw zinc alloy


 = 1 pc

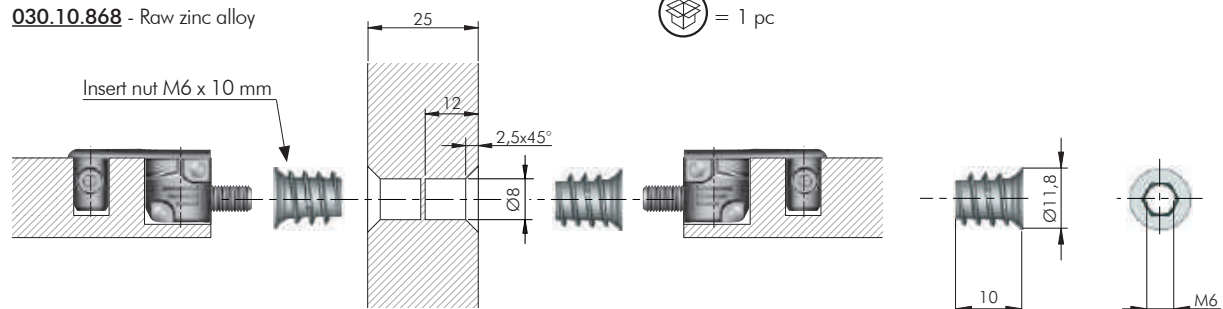


APPLICATION FOR PARTITION 25 mm THICK

Insert nut L. 10 mm

030.10.868 - Raw zinc alloy

 = 1 pc



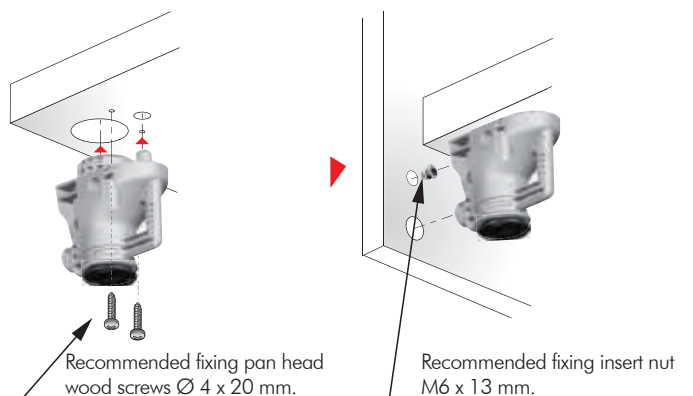


- ▶ New connecting fitting characterized by a very strong fastening capacity and integrated adjuster leveller.
- ▶ Suitable for heavy duty wardrobes, bookcases, modular furniture, office furniture and dismantled furniture (Do It by Yourself).
- ▶ Suitable for minimum panel thickness of 16 mm.
- ▶ Connection to be carried out through a worm gear. Can be operated from inside the furniture through a hole Ø 8 mm in the bottom, by using rounded key with S6 hexagonal bit, or a cordless driver drill.
- ▶ M6 threaded pin is subsequently screwed onto a pre-inserted insert nut on the side of the furniture.
- ▶ Furniture level adjustment is carried out by lowering the rounded key.
- ▶ Zinc alloy foot provided with an independent plastic glide for easier adjustment and to prevent floor scratching.
- ▶ 90° bracket conceived for the installation of the plinth in combination with an harmonic steel plinth clip.
- ▶ A plastic cover cap can be used to conceal the housing on the panel.
- ▶ Adjustment 0-25 mm.
- ▶ Capacity loading 175 Kilos each.
- ▶ Plastic, steel and zinc alloy.
- ▶ Tested according to Italian CATAS INSTITUTE requirements

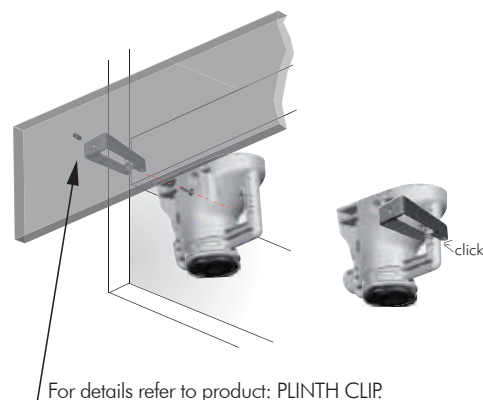


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award
interzum award:
intelligent
material & design
2009

INSTALLATION

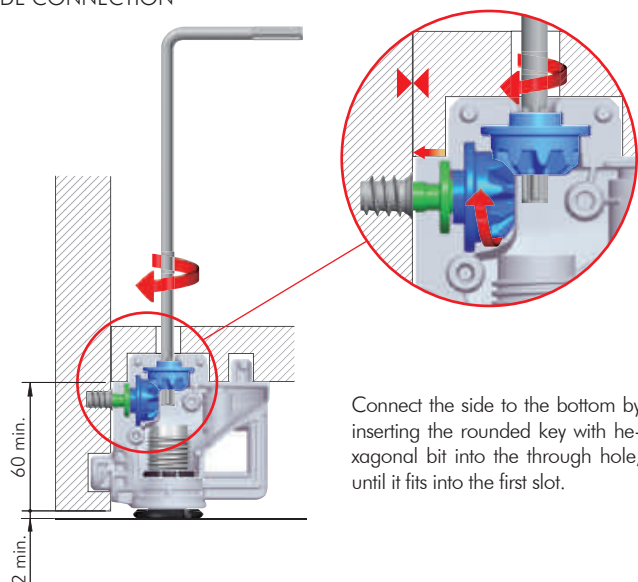


PLINTH CLIP



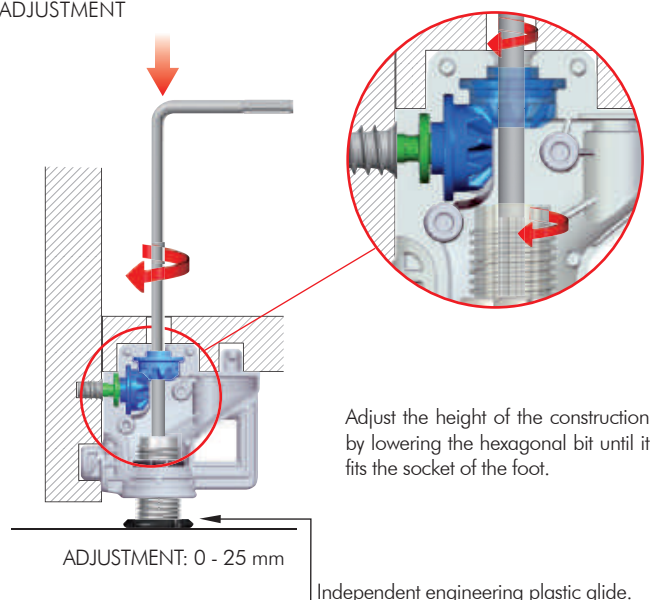
STEP 1

SIDE CONNECTION



STEP 2

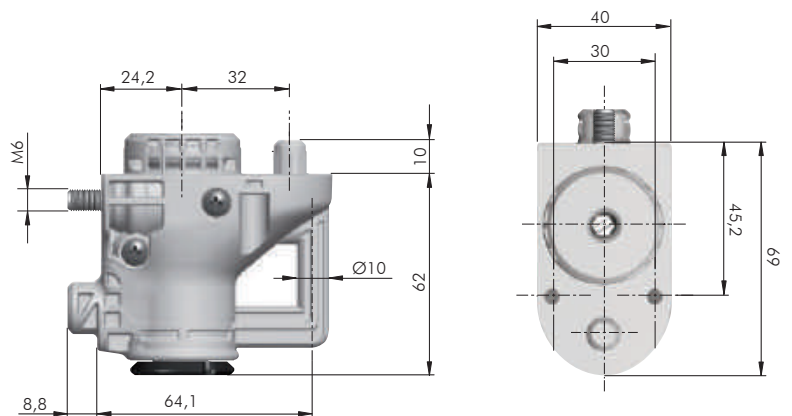
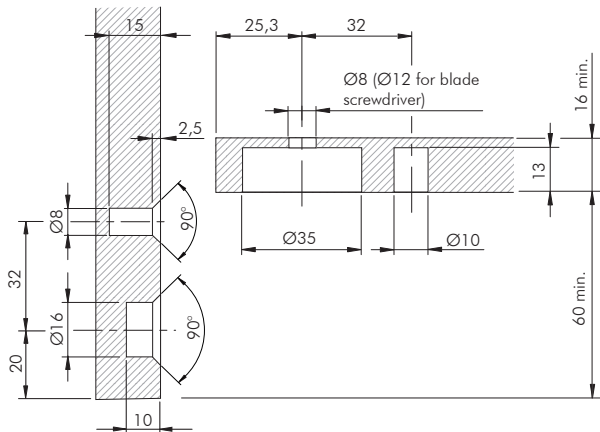
ADJUSTMENT



ATACAMA J

637.23.900 - Plastic, steel and zinc alloy


 = 1 pc

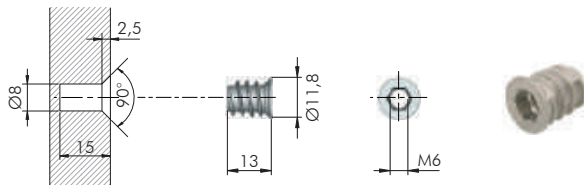


APPLICATION FOR END PANEL

Insert nut L. 13 mm

030.10.862 - Raw zinc alloy


 = 1 pc

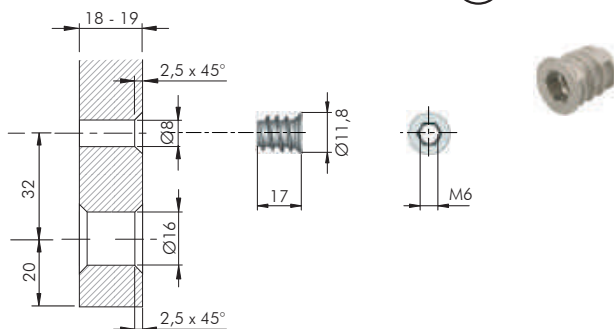


APPLICATION FOR PARTITION 18-19 mm THICK

Insert nut L. 17 mm

030.10.565 - Raw zinc alloy


 = 1 pc

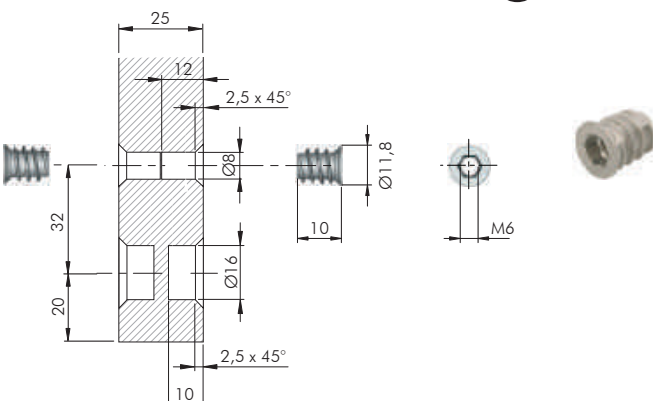


APPLICATION FOR PARTITION 25 mm THICK

Insert nut L. 10 mm


030.10.868 - Raw zinc alloy


 = 1 pc



COVER CAP

045.08.008 - White plastic


 = 1 pc

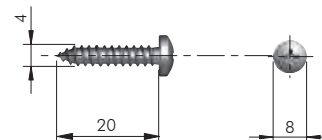
 = 5000 pcs



PAN HEAD WOOD SCREW Ø 4 x 20 mm

015.71.848 - Steel zinc-plated

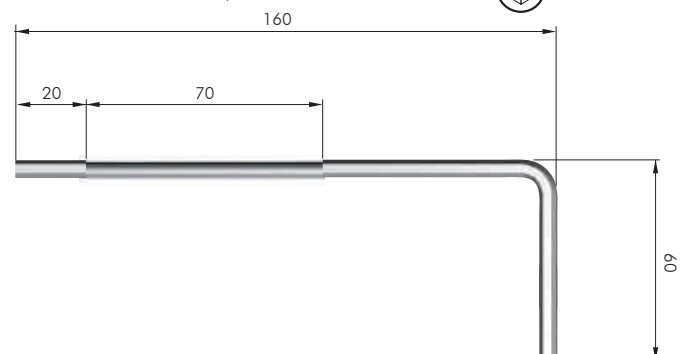
 = 2 pcs
each Atacama J



ROUNDED KEY WITH S6 mm HEXAGONAL BIT

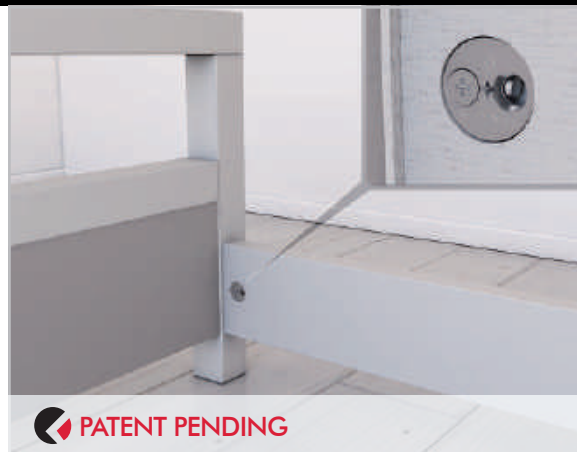
008.28.290 - Steel zinc-plated

 = 1 pc



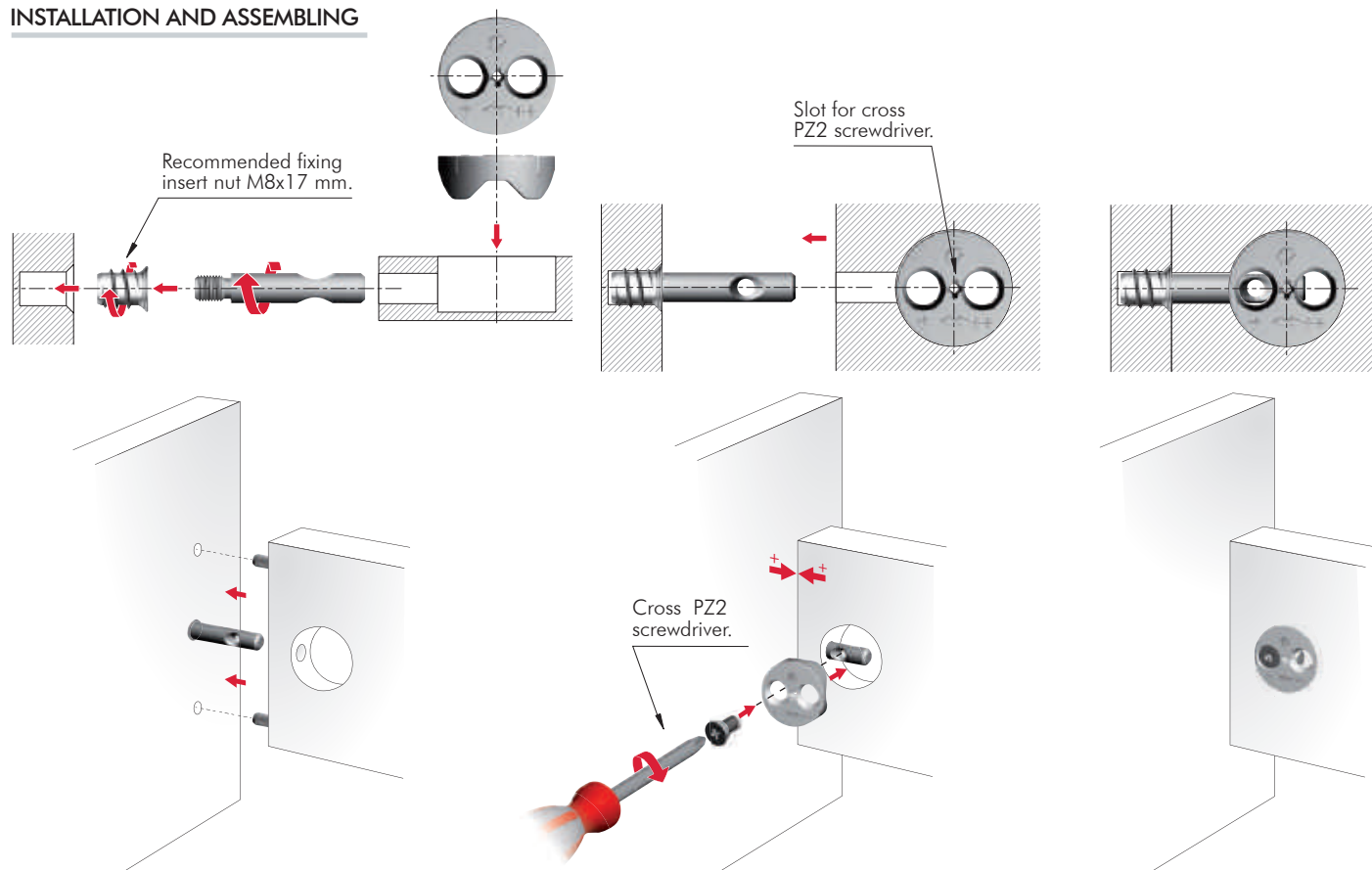


- ▶ VIS is the new concept in connecting fittings, designed to achieve practical and strong assembling and especially conceived to join bed sides and panels.
- ▶ It can be mounted on relatively thin panels, with a minimum thickness of 18 mm; for panels with a minimum thickness of 25mm it is possible to add a Ø 35mm cover cap.
- ▶ Moreover this connecting fitting boasts two different tightening positions:
 - standard (+)
 - strong (++)
 which helps in case of inaccurate drillings. It is not necessary to disassemble the whole structure to change the tightening position.
- ▶ VIS is made up of a threaded M8 steel dowel, a special M6 screw and the Ø35mm zinc alloy cylindric joint.



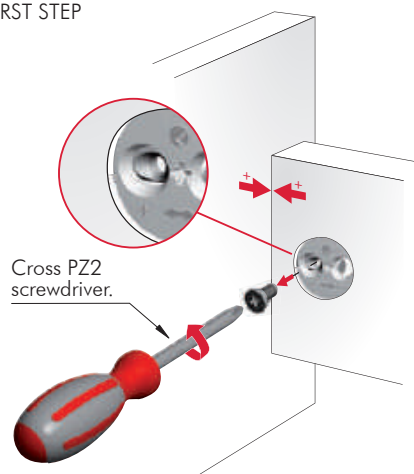
PATENT PENDING

INSTALLATION AND ASSEMBLING

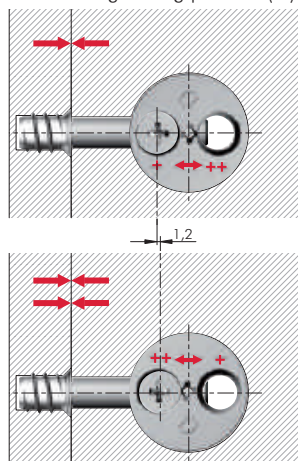


FROM + (minimum) TO ++ (maximum) TIGHTENING

FIRST STEP

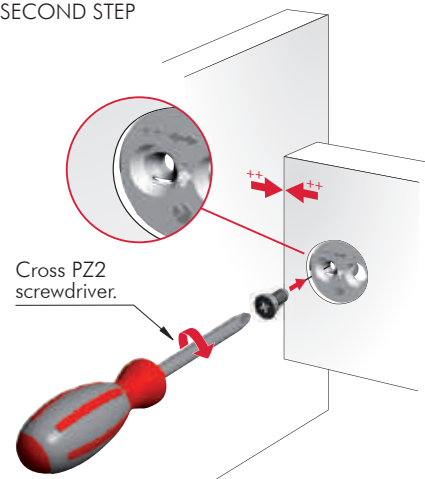


Minimum tightening position (+)



Maximum tightening position (++) = + 1,2 mm

SECOND STEP

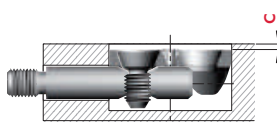
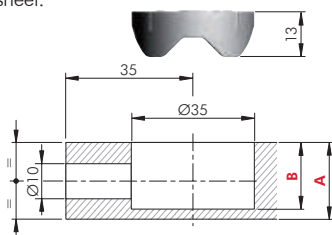


VIS FOR PANEL 18 mm THICK MINIMUM

Zinc alloy/steel zinc-plated and plastic.

262.01.051 - Set including 4 connectors.

Each set includes dowels, screws, white cover caps, insert nuts and instruction sheet.

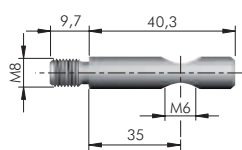
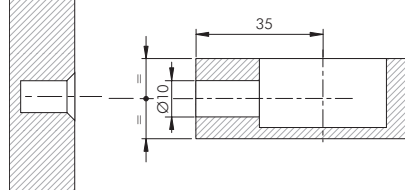


A	B	C
18	15,5	0
19	16,5	0,3
20	17,5	0,8
22	19	1,8
25	20,5	3,3
30	23	5,8



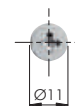
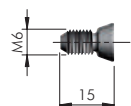
DOWEL

Steel zinc-plated



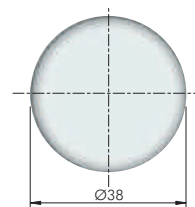
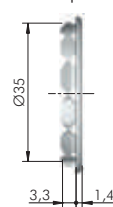
SCREW

Steel zinc-plated



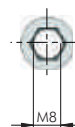
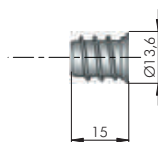
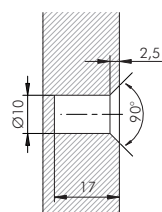
COVER CAP

White plastic



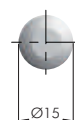
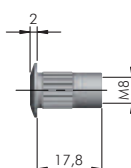
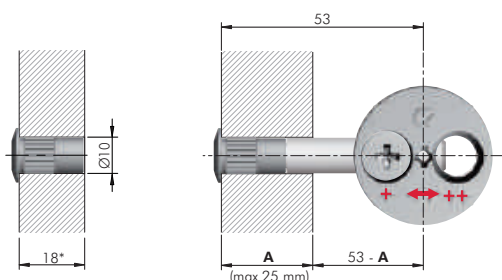
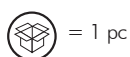
INSERT NUT

Raw zinc alloy



SLEEVE FOR THROUGH HOLE PANEL

264.75.005 - Steel nickel-plated



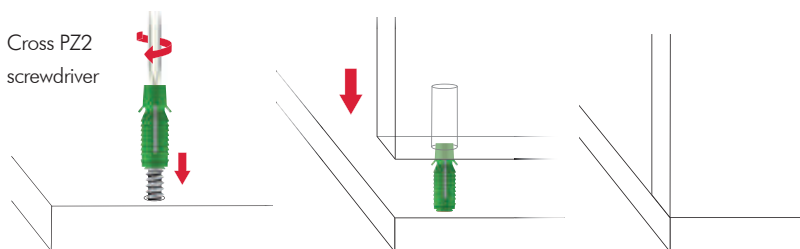
* For Headboard/Footboard thickness other than 18 mm, the drilling plan for VIS has to be modified according to the drawing above.




- ▶ Permanent Assembly Dowel, innovative concealed fitting conceived to permanently join two chipboard wood panels at 90°, minimum thickness 18 mm. Not recommended for solid wood and MDF panels.
- ▶ Suitable for drawers, cabinets, HI-FI furniture and shoe cabinets.
- ▶ Ideal for both pre-assembled and dismantled furniture (Do It by Yourself).
- ▶ Consist of a single steel dowel element with a ridged plastic sleeve around of it.
- ▶ No glue required for an efficient and time-saving installation and no visible holes once the assembly is carried out.
- ▶ Valid alternative to the wooden pin and reliable as cams & dowels.
- ▶ Dowel Ø8 mm with Ø5 mm threaded pin.
- ▶ The dowel is screwed onto the furniture side and the panel subsequently pressed against it until they collide.

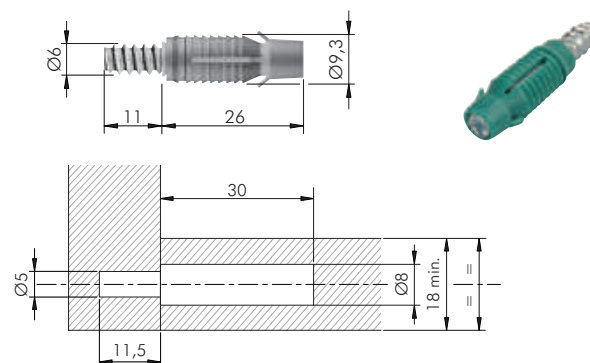


INSTALLATION



PERMANENT ASSEMBLY DOWEL

267.24.301 - Steel and ridged plastic sleeve  = 1 pc

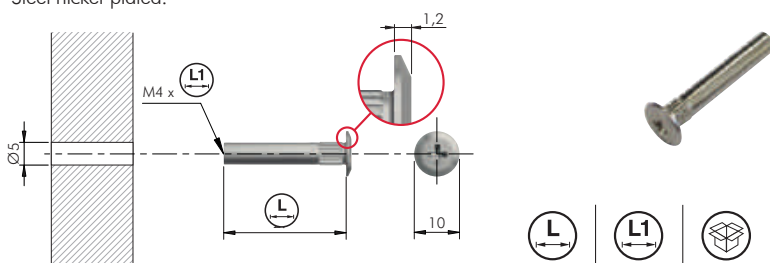





CONNECTING SCREWS



FLAT HEAD SLEEVE NUT

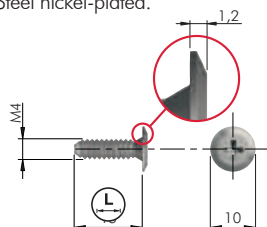
Steel nickel-plated.



On demand			
267.24.611	27	15	5000 pcs
	30	17	1 pc

FLAT HEAD CONNECTING SCREW

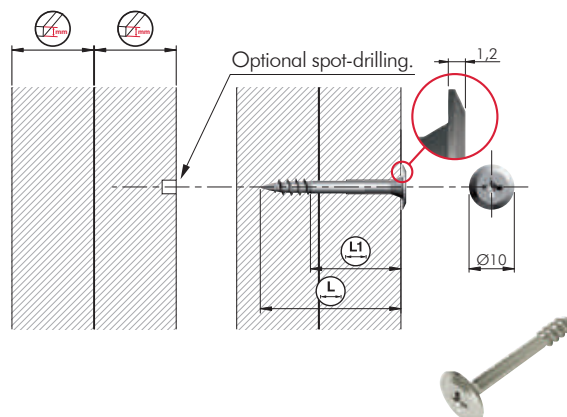
Steel nickel-plated.







On demand		
267.24.621	15	5000 pcs
	22,5	1 pc

ONE PIECE FLAT HEAD CONNECTOR SCREW

Steel nickel-plated.



262.87.118				
	27	16	15-16	1 pc
262.87.119	31	20	18-20	1 pc



► Consists of:

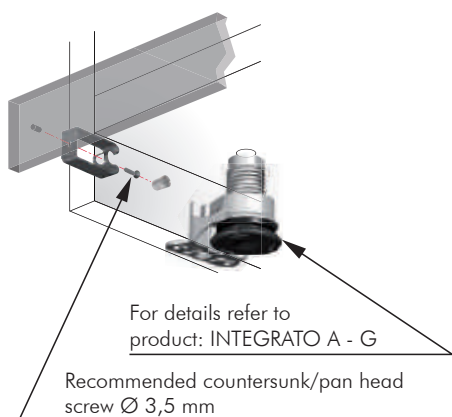
- Harmonic steel clip to be fixed to the plinth with a screw.
- Steel dowel Ø 10 mm with Ø 5 mm wood thread screwed onto the side panel.

► Plinth clip is horizontally pressed and clicks onto the steel dowel.

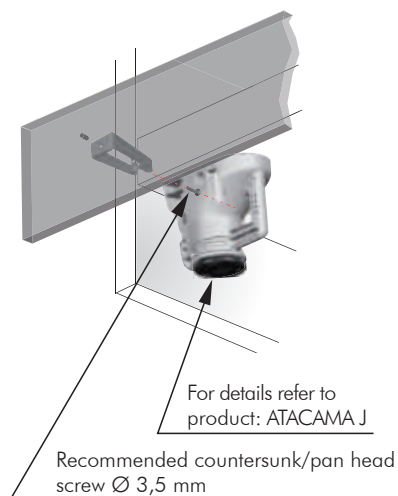
► Extremely fast and stable installation.



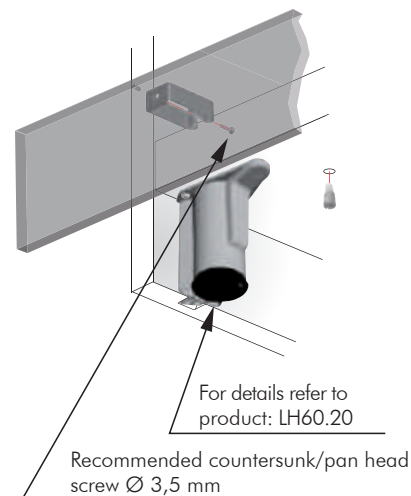
INSTALLATION IN COMBINATION WITH INTEGRATO A - G



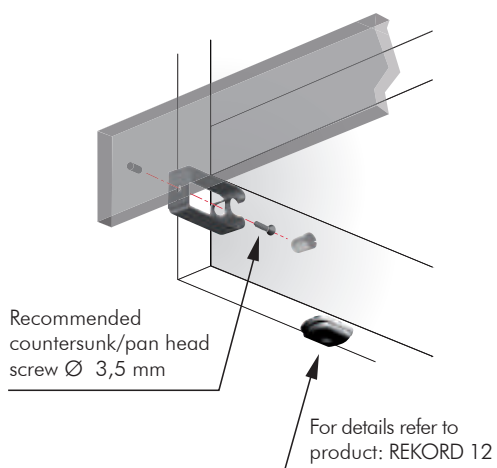
INSTALLATION IN COMBINATION WITH ATACAMA J



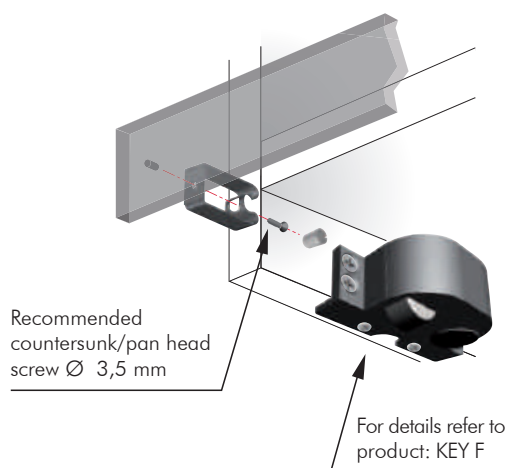
INSTALLATION IN COMBINATION WITH LH 60.20



INSTALLATION IN COMBINATION WITH REKORD 12

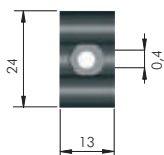
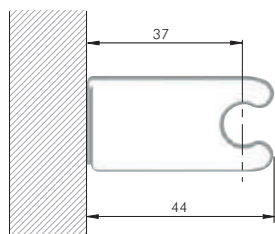


INSTALLATION IN COMBINATION WITH KEY F



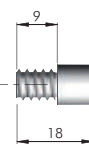
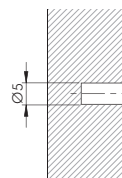
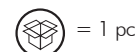
PLINTH CLIP

283.64.918 - Harmonic steel



EURO DOWEL FOR PLINTH CLIP

020.90.914 - Steel zinc-plated

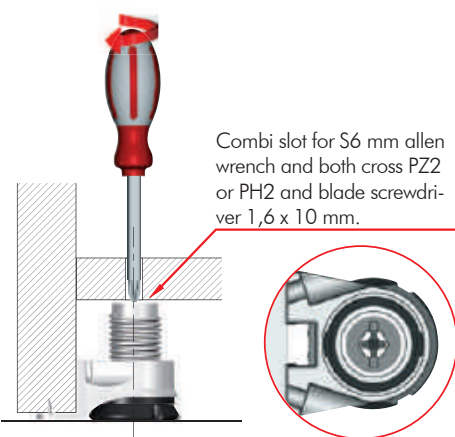
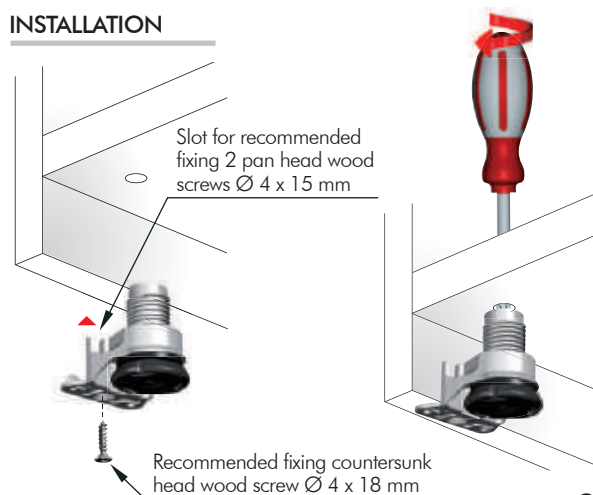




- ▶ Suitable to align heavy duty wardrobes, bookcases and modular furniture.
- ▶ To be installed onto the bottom edge of the side carcase, wide range of zinc alloy supports available.
- ▶ Adjustment to be carried out through $\varnothing 8$ mm hole in the furniture bottom by using a S6 mm allen wrench or both cross and blade screwdriver.
- ▶ Zinc alloy foot provided with independent plastic glide for easier adjustment and to prevent floor scratching.
- ▶ A plastic cover can be used to conceal the housing on the bottom.
- ▶ Adjustment: 0 - 25 mm.
- ▶ Capacity loading: 175 kilos each.
- ▶ Zinc alloy and plastic.
- ▶ Tested according to Italian CATAS INSTITUTE requirements.

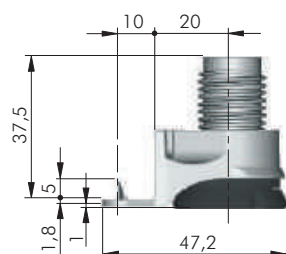
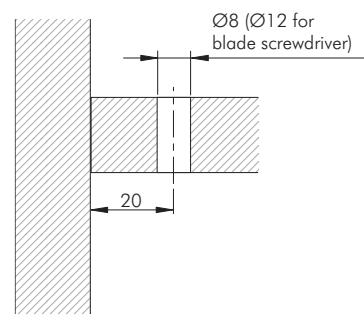


INSTALLATION

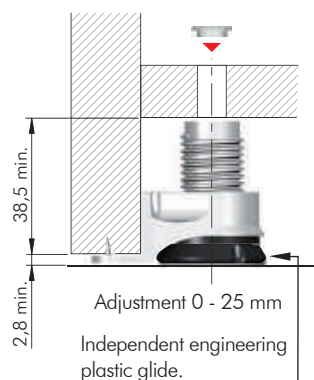


INTEGRATO G

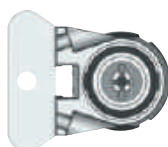
637.67.910 - Raw zinc alloy and black plastic = 1 pc



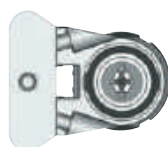
ADJUSTMENT



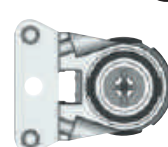
OTHER VERSIONS



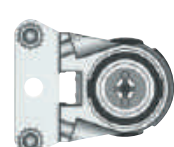
A - Screw fix



C - 1 pin $\varnothing 5$ mm



D - 2 pin $\varnothing 5$ mm



E - 2 pin $\varnothing 8$ mm

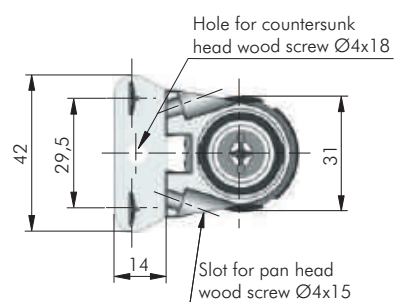
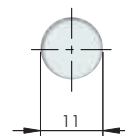
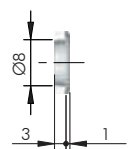
For further info contact the office.

COVER CAP

045.08.008 - White plastic

On demand = 100 pcs

= 1 pc = 5000 pcs

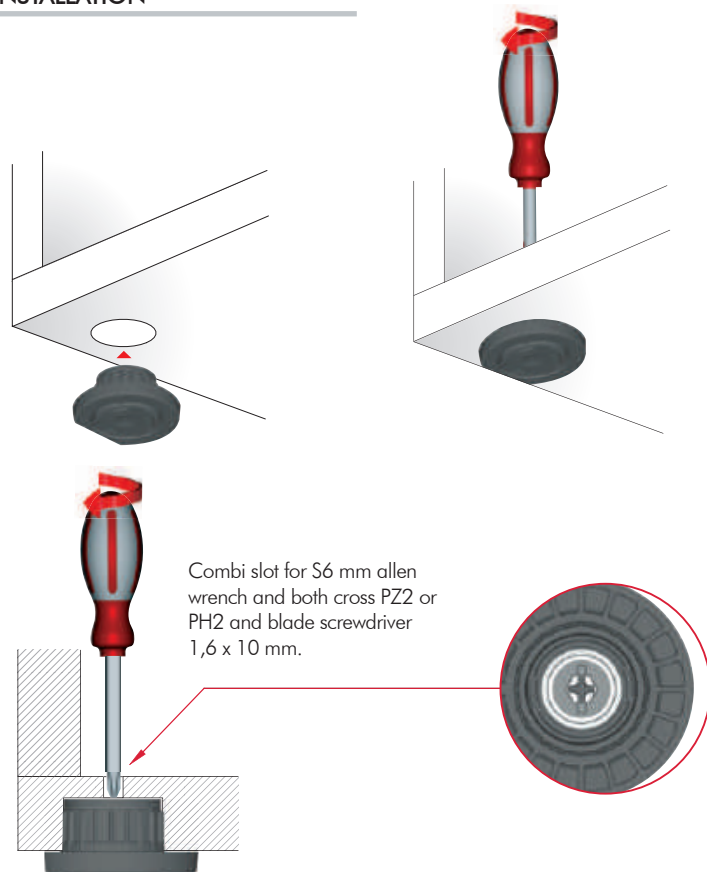




- ▶ Suitable to align heavy duty wardrobes, bookcases and modular furniture.
- ▶ Conceived for units with weight-bearing bottoms.
- ▶ To be installed onto the bottom panel.
- ▶ Adjustment to be carried out through Ø 8 mm hole in the furniture bottom by using a S6 mm allen wrench or both cross and blade screwdriver.
- ▶ Zinc alloy foot provided with independent plastic glide for easier adjustment and to prevent floor scratching.
- ▶ A plastic cover can be used to conceal the housing on the bottom.
- ▶ Adjustment: 7 - 17 mm.
- ▶ Capacity loading: 175 kilos each.
- ▶ Zinc alloy and plastic.
- ▶ Tested according to Italian CATAS INSTITUTE requirements.

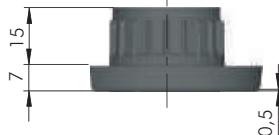
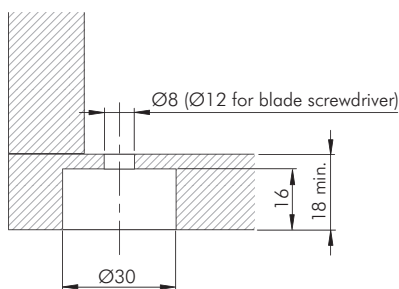


INSTALLATION

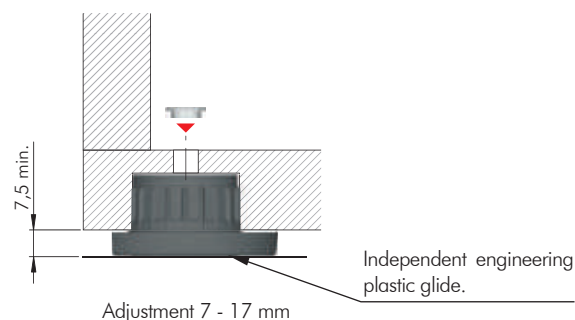


INTEGRATO Z

651.16.300 - Raw zinc alloy and black plastic

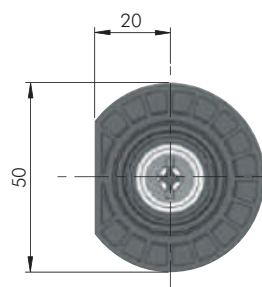
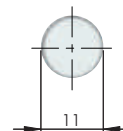
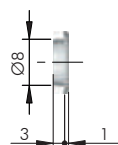
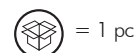


ADJUSTMENT



COVER CAP

045.08.008 - White plastic



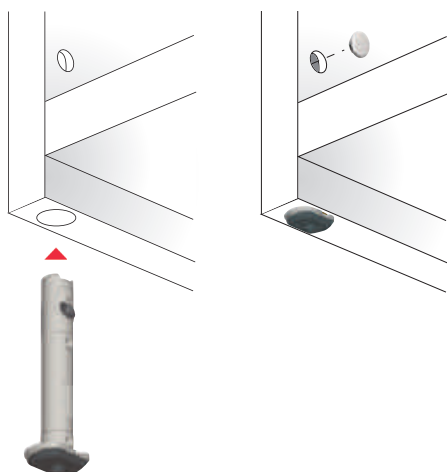


- ▶ Concealed height adjuster suitable to align heavy duty wardrobes, bookcases and modular furniture.
- ▶ Suitable for panels minimum 18 mm thick, to be placed onto the bottom edge of the side panel through a Ø 12 mm hole.
- ▶ Adjustment to be carried out through a worm gear operated from inside the furniture through a Ø 8 mm access hole drilled on the side, by using a S4 mm allen wrench.
- ▶ The independent plastic glide makes the adjustment smoother and prevents the scratching of the floor.
- ▶ Available in four hole centre versions: 52, 70, 96, 120 mm.
- ▶ The weight transmission rapport 1:1,5 of the gears reduces the lifting effort.
- ▶ A plastic cover can be used to conceal the housing on the side.
- ▶ Adjustment 0 – 12 mm.
- ▶ Capacity loading : 150 kilos each.
- ▶ Zinc alloy, steel and plastic.
- ▶ Tested according to Italian CATAS INSTITUTE requirements.

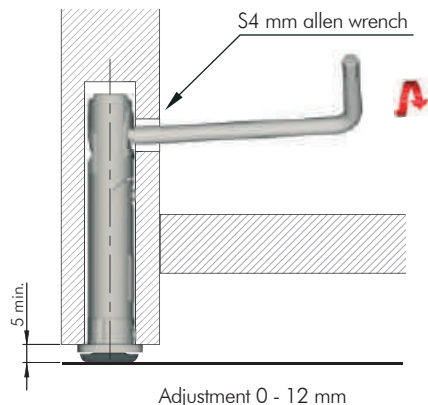


PAT. PENDING

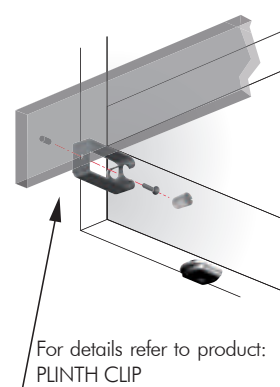
INSTALLATION



ADJUSTMENT

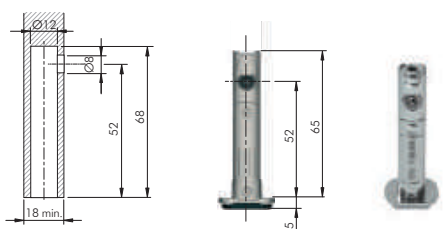
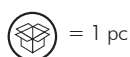


PLINTH CLIP



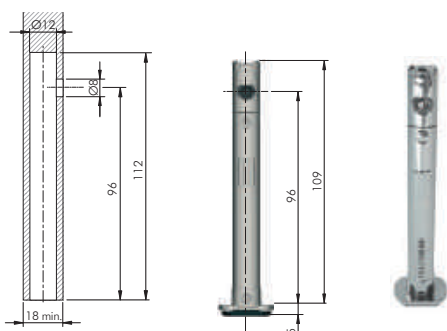
REKORD 12 H 52 mm

637.24.001 - Raw zinc alloy, steel and grey plastic



REKORD 12 H 96 mm

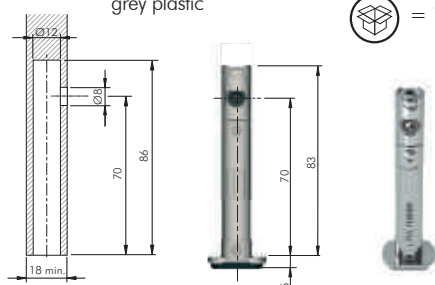
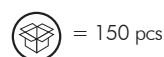
637.13.021 - Raw zinc alloy, steel and grey plastic



REKORD 12 H 70 mm

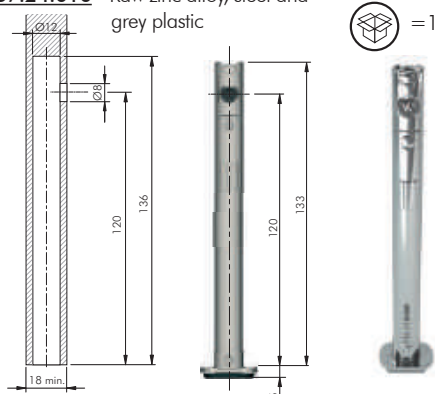
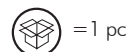
637.13.020 - Raw zinc alloy, steel and grey plastic

On demand



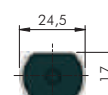
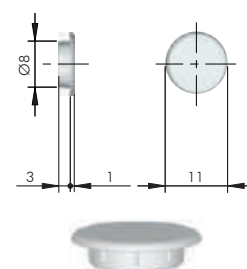
REKORD 12 H 120 mm

637.24.010 - Raw zinc alloy, steel and grey plastic

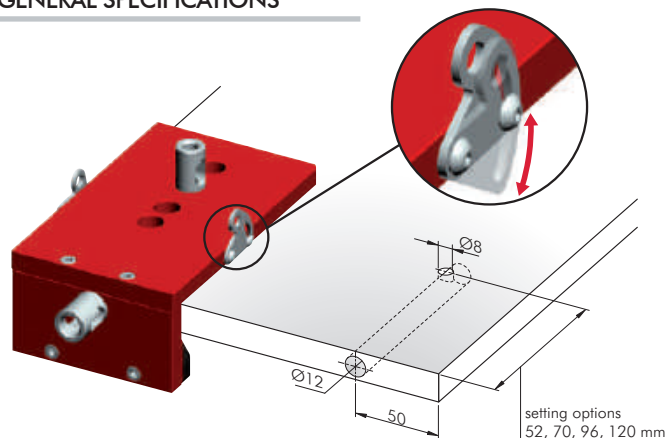


COVER CAP

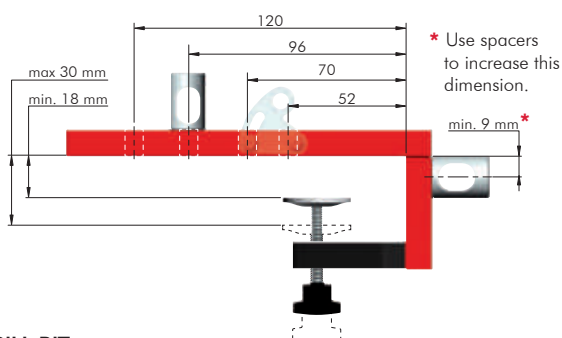
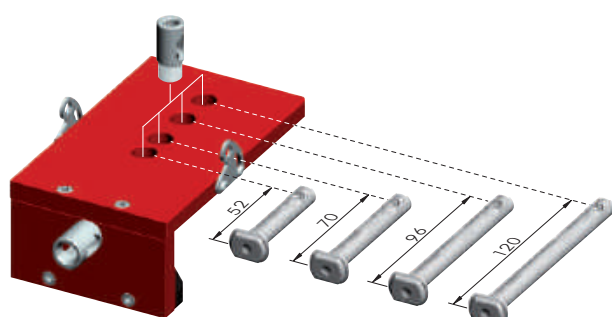
045.08.008 - White plastic



GENERAL SPECIFICATIONS



APPLICATION OPTIONS






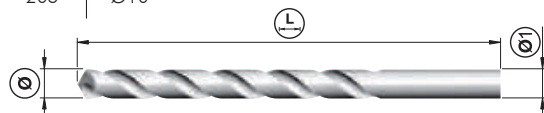
DRILL BIT

High speed steel.

On demand  = 1 pc

- For drilling jig we recommend to use precision ground steel drill bit HSS-G.

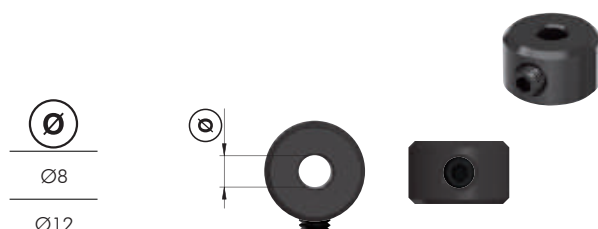
		
Ø8	117	Ø8
Ø12	205	Ø10



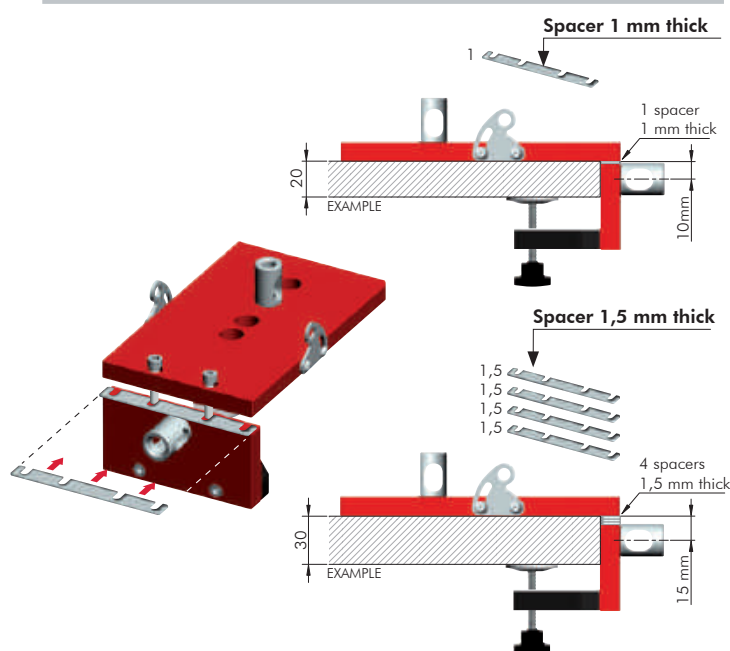
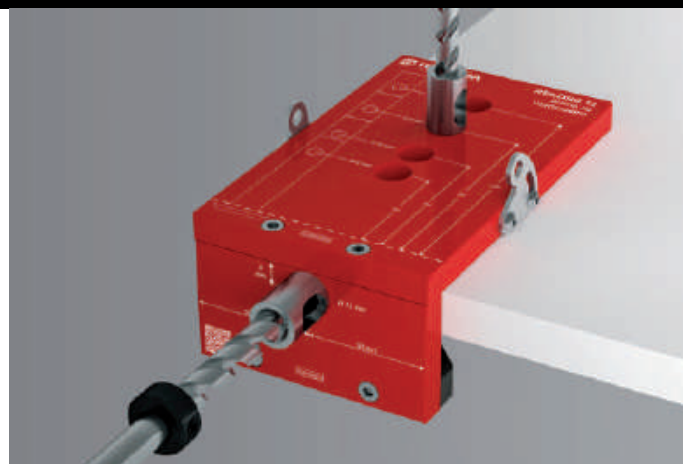
STOP COLLAR

Steel.

On demand  = 1 pc



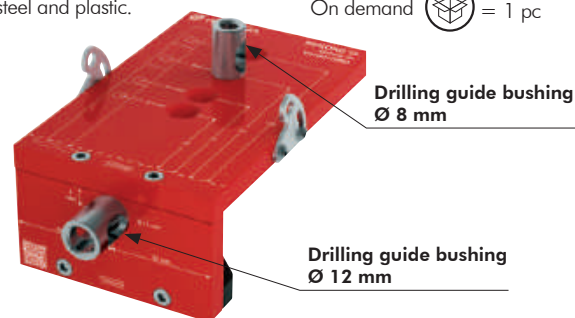
DRILLING SPACERS FOR OTHER PANEL THICKNESSES



REKORD 12 DRILLING JIG FOR PANEL THICKNESS 18 MM

Aluminium, steel and plastic.

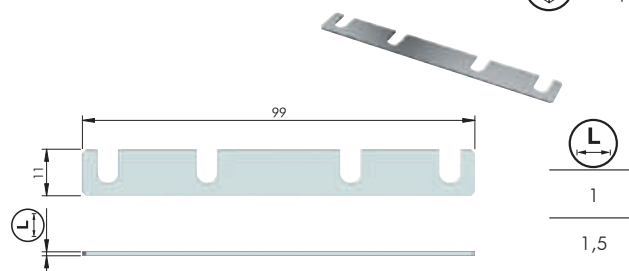
On demand = 1 pc



SPACERS FOR REKORD 12 DRILLING JIG

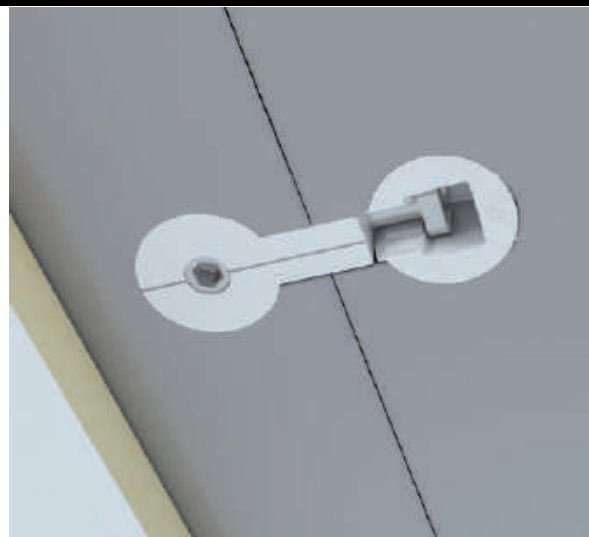
Aluminium.

On demand  = 1 pc





- ▶ Conceived to horizontally join two worktops or panels together minimum 25 mm thick.
- ▶ Consists of two parts:
 - main plastic body with tightening steel dowel 64, 100 or 150 mm long.
 - plastic round cap to suit the dowel head.
- ▶ Fast and easy installation as the two elements don't fall when inserted into the related housings.
- ▶ Connection to be carried out through a warm gear, easy and quick fastening by using a S6 allen wrench or a cordless driver-drill.
- ▶ Available in two versions:
 - Ø 30 mm.
 - Ø 35 mm.
- ▶ Fastening travel 6 mm.

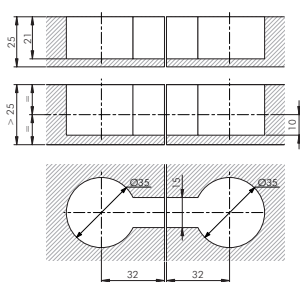


QUICK Ø 35 L. 64

Steel, light grey plastic and zinc alloy

ARTICLE NO.	LENGTH
*special article	64 mm

Minimum Order Quantity  = 250 pcs

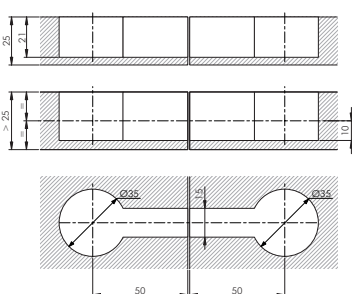


QUICK Ø 35 L. 100

Steel, light grey plastic and zinc alloy

ARTICLE NO.	LENGTH
*special article	100 mm

Minimum Order Quantity  = 150 pcs

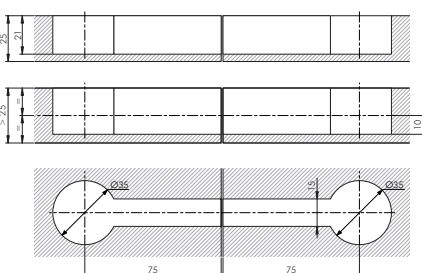


QUICK Ø 35 L. 150

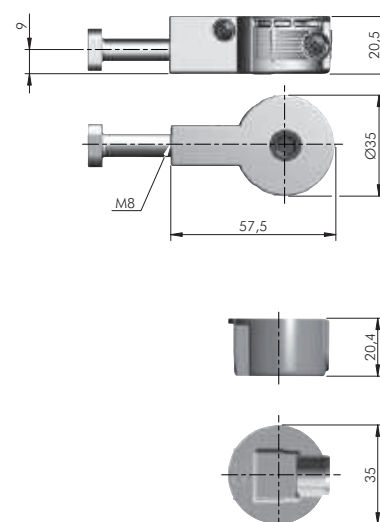
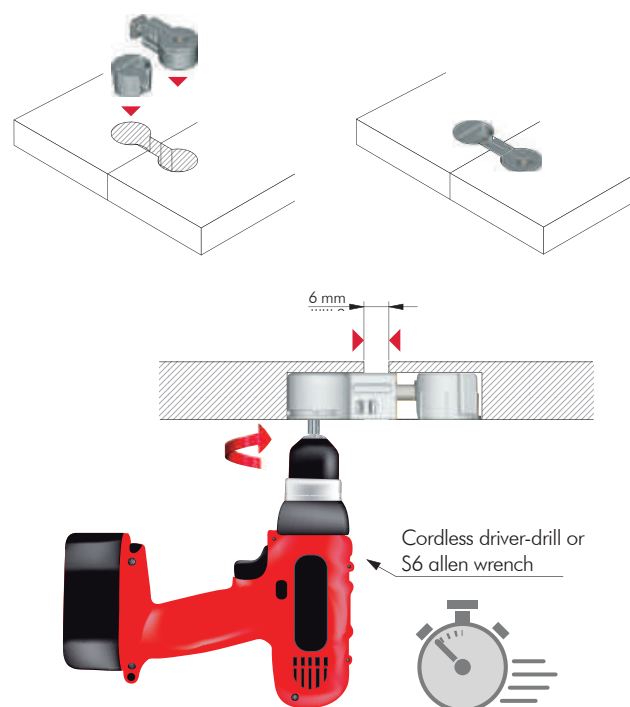
Steel, light grey plastic and zinc alloy

ARTICLE NO.	LENGTH
*special article	150 mm

Minimum Order Quantity  = 150 pcs



INSTALLATION AND CONNECTION





LIBRA H1
APC1
APC6



LIBRA H6
LIBRA H7

LIBRA H6 + CH
LIBRA H7 + CH



LIBRA H7

LIBRA H7 + ALU. BAR H 40,2



LIBRA H7 + ALU. BAR H 80,5



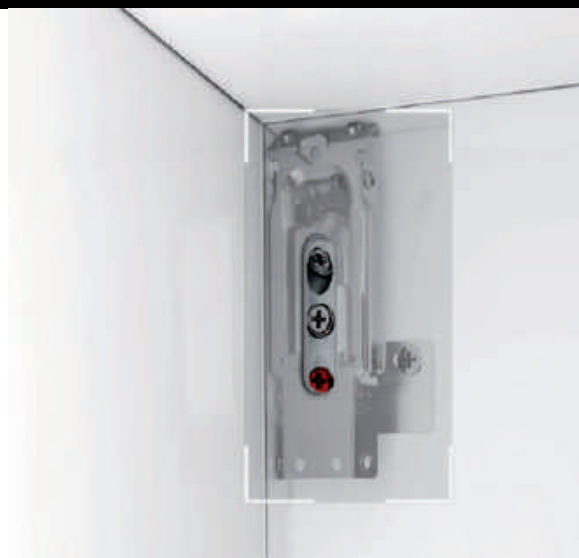
LIKU



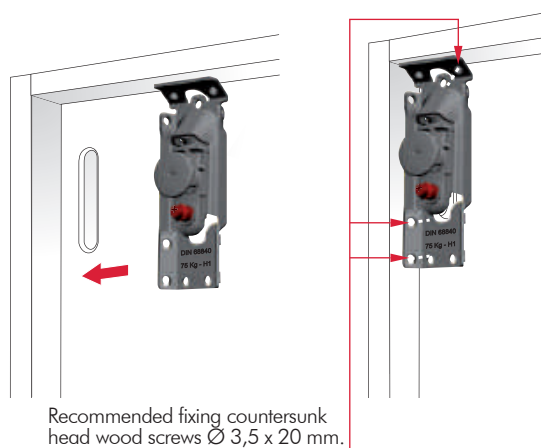
CONCEALED HANGER



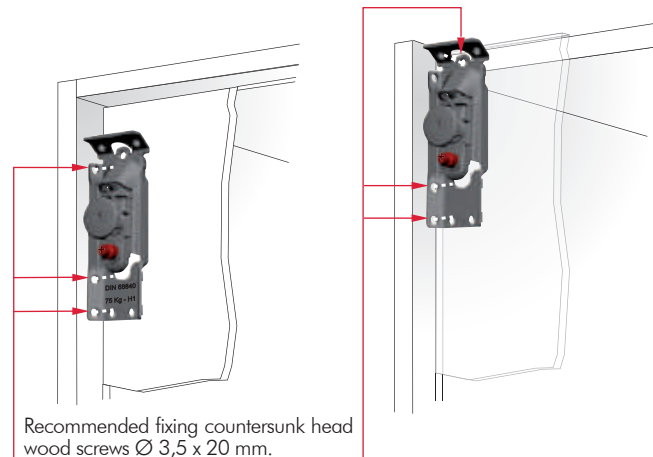
- ▶ Innovative family of concealed cabinet hangers.
- ▶ Resistant and reliable solution thanks to the sensibly thick zinc-coated steel body.
- ▶ Libra H1 is the unhandled version to be fixed behind the rear panel through three wood screws.
- ▶ Independent Vertical and In-Depth adjustment to easily and quickly align the cabinet against the wall.
- ▶ ANTI-TURNOVER device for domestic safety to guarantee fast locking of the cabinet against the wall plate.
- ▶ Adjustments to be carried out from the inside of the cabinet through a hole covered with alternative designed and small cover caps.
- ▶ Wide range of very thick and hardened new wall plates concept, as well as one type of wall bar, with optimized position of the fixing oval holes, to facilitate correct positioning and to reduce loading stress either on the wall plates/bar or on the plugs.
- ▶ Capacity loading 75 Kilos per piece (150 Kilos per pair).
- ▶ Steel, zinc alloy and plastic according to related version.
- ▶ In accordance with the European Regulation DIN 68840.



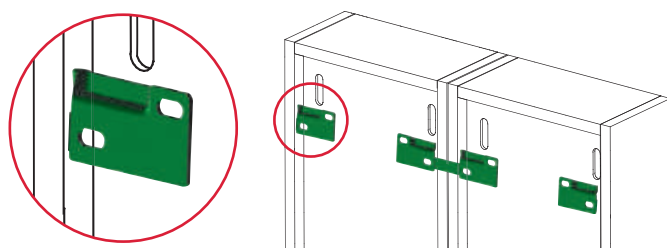
INSTALLATION UNDER THE CABINET TOP



ALTERNATIVE INSTALLATIONS



INSTALLATION ON THE WALL

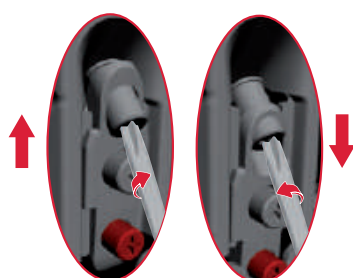


For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

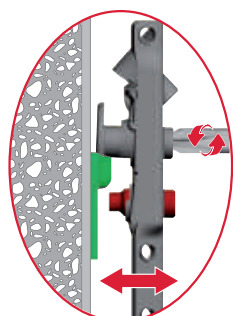
ADJUSTMENTS



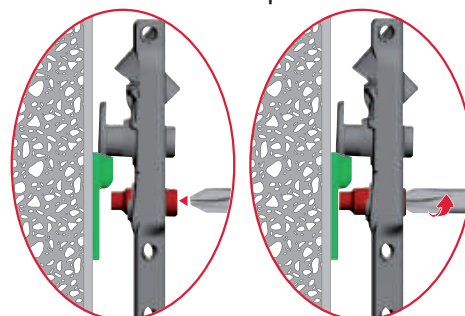
1- Vertical adjustment:
13 mm



2- In-Depth adjustment:
12 mm



3- Anti-turnover locking
Stop screwing the red bolt when it touches the wall plate.

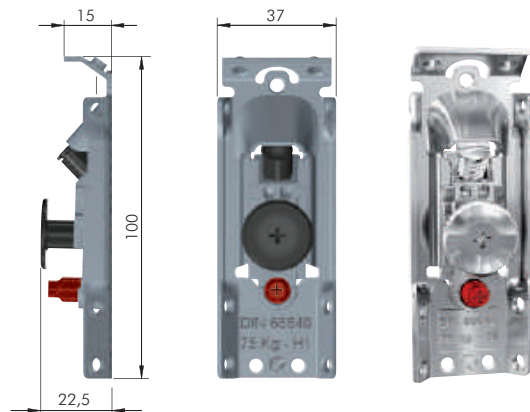


LIBRA H1

Zinc alloy/steel zinc-plated and plastic.

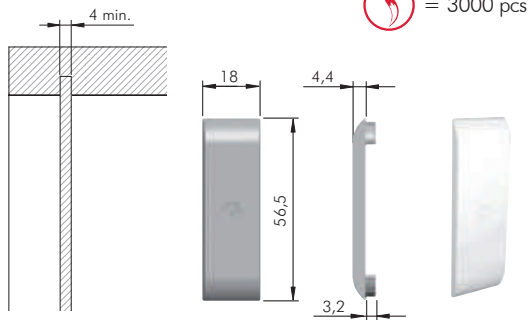
290.41.750 - Set including 2 pcs with white plastic cover caps.

Each Set includes wall plate, wood screws and instruction sheet.

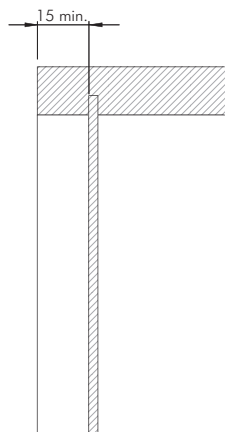


OVAL COVER CAP CC1

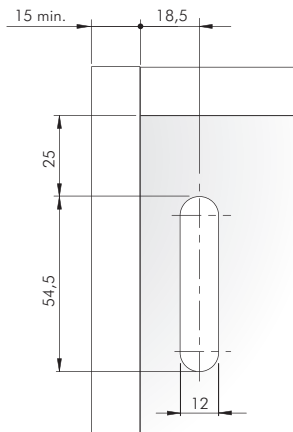
White plastic

Back panel drilling plan for
LIBRA H1 fixed under the cabinet top.

Side panel and service gap

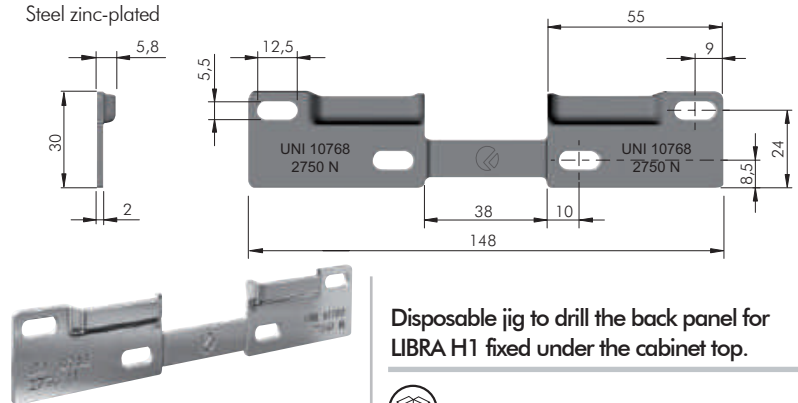


Back panel



WALL PLATE WP1

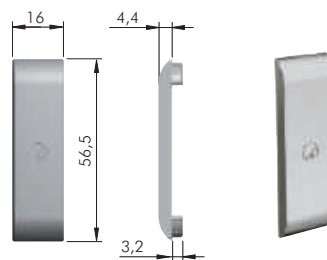
Steel zinc-plated

Stress resistance calculated in Newton
according to normative UNI 10768:
- 2750 N

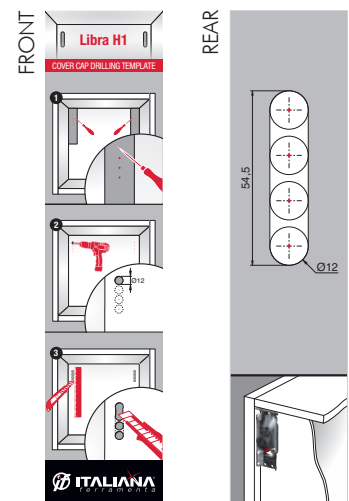
OVAL COVER CAP CC4

Zinc alloy nickel-plated

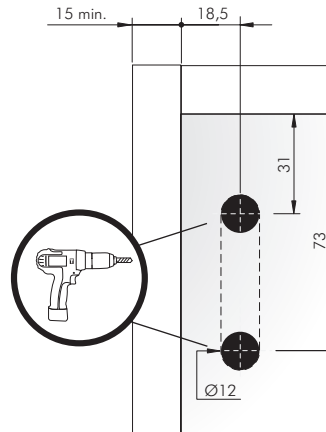
On demand = 1000 pcs

Disposable jig to drill the back panel for
LIBRA H1 fixed under the cabinet top.

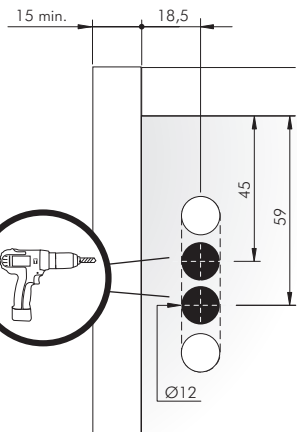
= On demand

Back panel manual drilling plan for
LIBRA H1 fixed under the cabinet top.

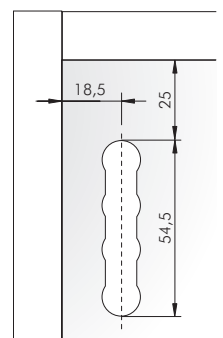
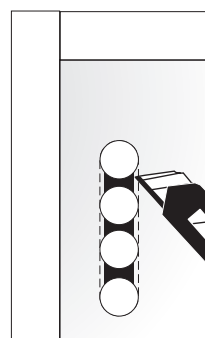
STEP 1



STEP 2



STEP 3

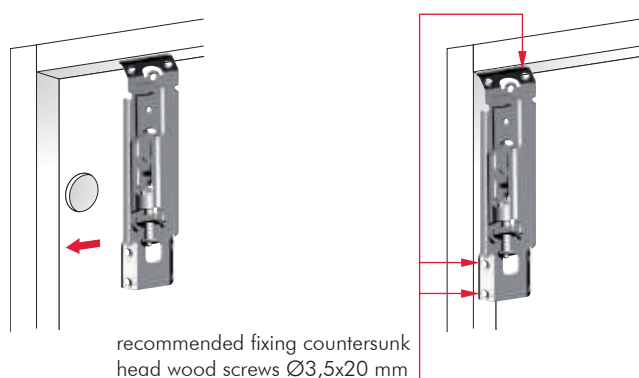




- ▶ APC1 is a two-handed invisible screw fixing cabinet hanger. APC1 requires a simple installation, without any pre-drilling operations
- ▶ It can be installed on cabinets with a minimum sanitary gap of 16 mm.
- ▶ The adjustments can be carried out from the inside of the cabinet by using a standard PZ2 screwdriver.
- ▶ Capacity loading 65 Kilos per piece (130 Kilos per pair).
- ▶ Steel and zinc alloy.
- ▶ In accordance with the European Regulation UNI EN 15939.



INSTALLATION UNDER THE CABINET TOP



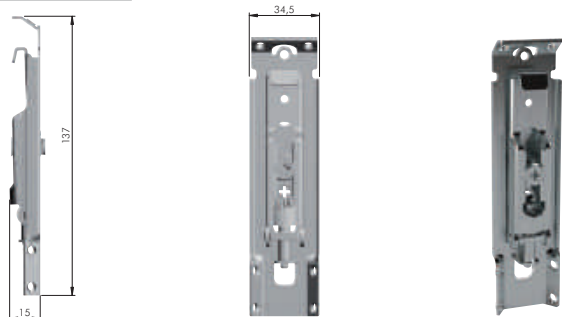
APC1

Set including 2 pcs with Ø20 mm white cover caps.
Each set includes 2 WPC2 wall plates, wood screws and instruction sheet.

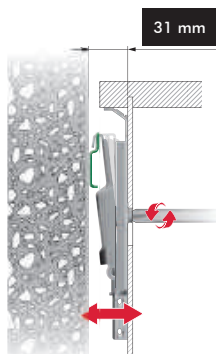
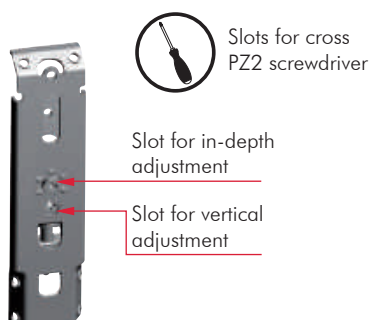
ARTICLE NO.

*special article

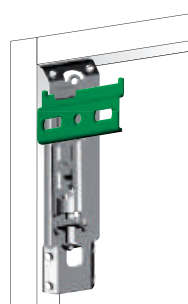
Minimum Order Quantity = 100 sets



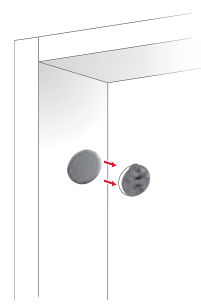
ADJUSTMENTS



INSTALLATION ON THE WALL



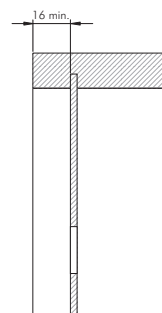
COVER CAP INSERTING



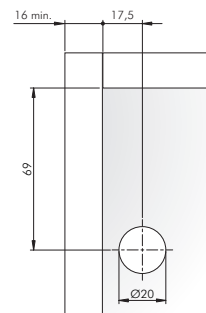
For more specific information, please refer to the WARNINGS section at the end of the catalogue.

BACK PANEL DRILLING PLAN FOR APC1 FIXED UNDER THE CABINET TOP

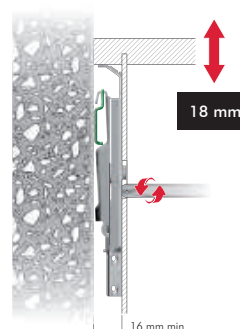
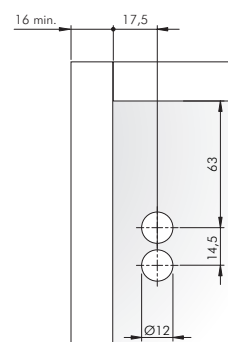
Side panel and service gap



Back panel - APC cover cap Ø20 mm



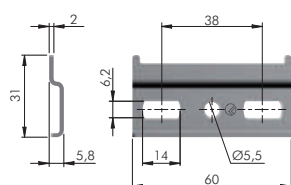
Back panel - APC cover cap double hole Ø12 mm





WPC2 WALL PLATE

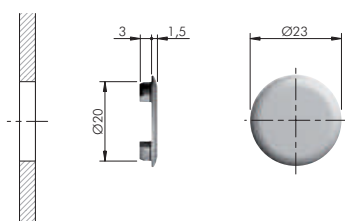
Steel zinc-plated



APC COVER CAP Ø20

White plastic

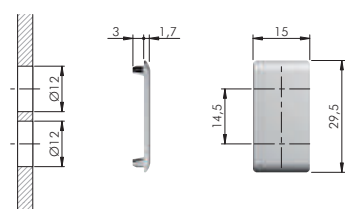
 = 5000 pcs



APC COVER CAP DOUBLE HOLE Ø12

ARTICLE NO.	FINISH/COLOUR
*special article	White plastic

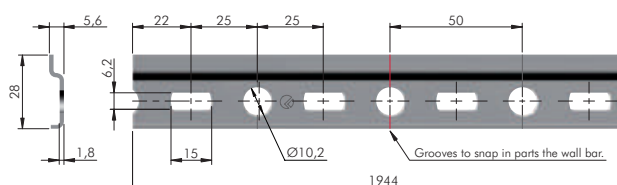
 = 5000 pcs



WPC1 WALL BAR

ARTICLE NO.	FINISH/COLOUR
*special article	Steel zinc-plated

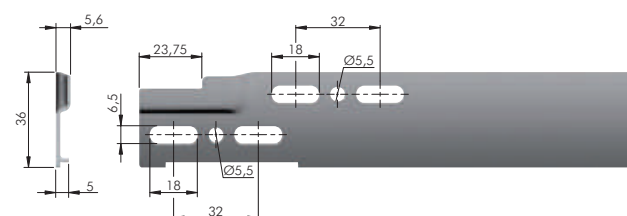
Minimum Order Quantity  = 20 pcs



WPC3 WALL BAR

ARTICLE NO.	FINISH/COLOUR
*special article	Steel zinc-plated

Minimum Order Quantity  = 20 pcs

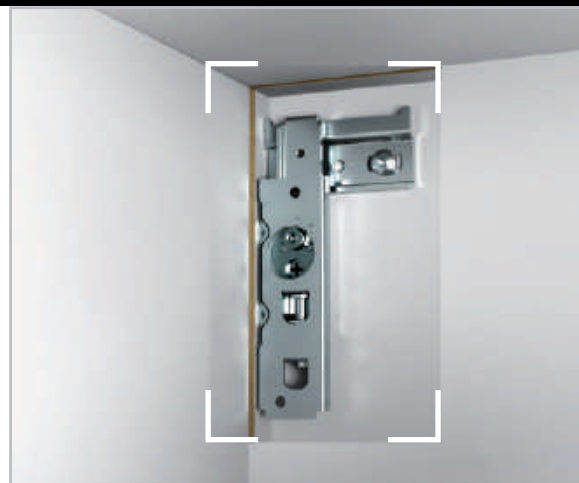


L = Customized length.

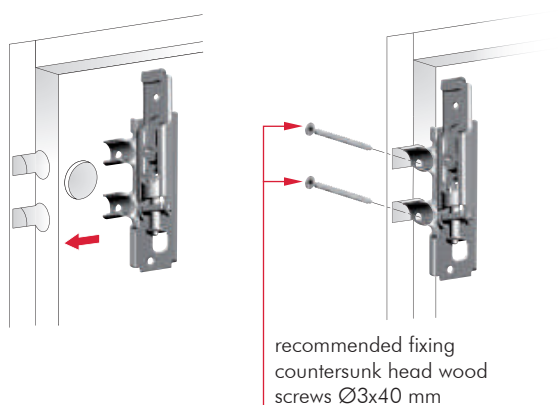




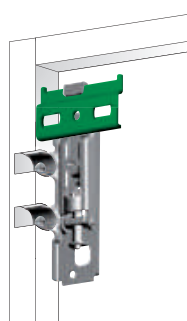
- ▶ APC6 is a left/right invisible cabinet hanger with 2 semi-circular pins Ø15 mm especially conceived for automatic assembly. APC6 grants high performances even without its fixing on the top panel.
- ▶ It can be installed on cabinets with side panels of minimum 16 mm and with a minimum sanitary gap of 16 mm.
- ▶ The adjustments can be carried out from the inside of the cabinet by using a standard PZ2 screwdriver.
- ▶ Capacity loading 65 Kilos per piece (130 Kilos per pair).
- ▶ Steel and zinc alloy.
- ▶ In accordance with the European Regulation UNI EN 15939.



INSTALLATION UNDER THE CABINET TOP

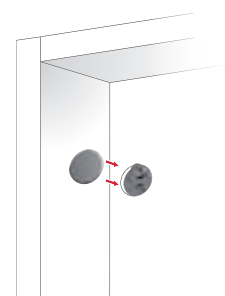


INSTALLATION ON THE WALL



For more specific information, please refer to the WARNINGS section at the end of the catalogue.

COVER CAP INSERTING



APC6

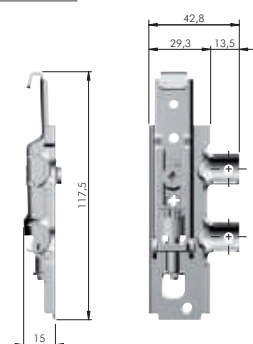
Set including 2 pcs with Ø20 mm white cover caps.

Each set includes 2 WPC2 wall plates, wood screws and instruction sheet.

ARTICLE NO.

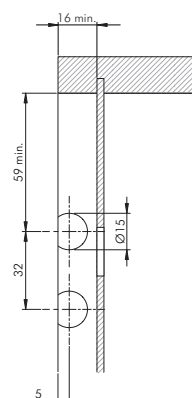
*special article

Minimum Order Quantity = 100 sets

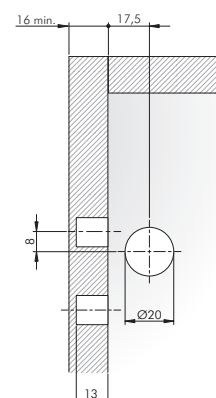


BACK PANEL DRILLING PLAN FOR APC6 FIXED UNDER THE CABINET TOP

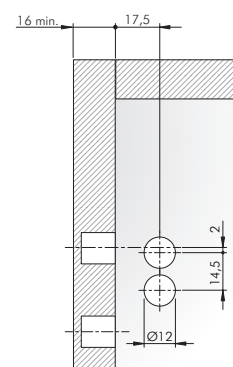
Side panel and service gap



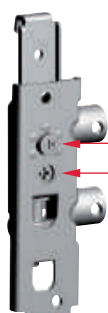
Back panel - APC cover cap Ø20 mm



Back panel - APC cover cap double hole Ø12 mm



ADJUSTMENTS

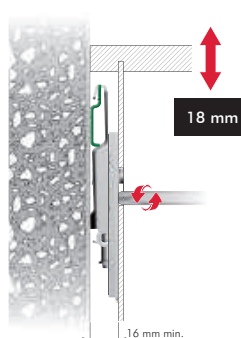
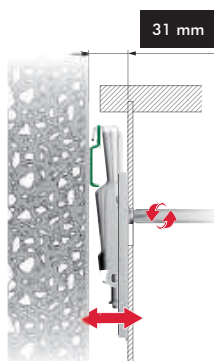


Slot for in-depth adjustment

Slot for vertical adjustment



Slots for cross PZ2 screwdriver





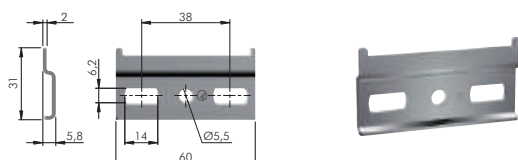
COUNTERSUNK HEAD WOOD SCREW Ø3 X 40 MM

Steel zinc-plated



WPC2 WALL PLATE

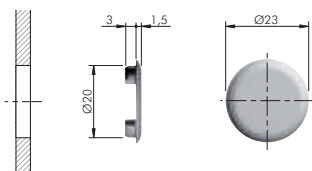
Steel zinc-plated



APC COVER CAP Ø20

White plastic

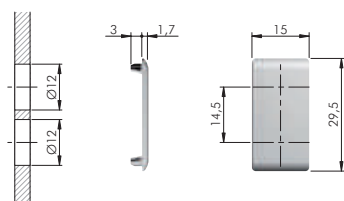
= 5000 pcs



APC COVER CAP DOUBLE HOLE Ø12

ARTICLE NO.	FINISH/COLOUR
*special article	White plastic

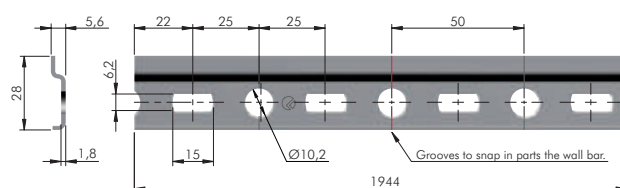
= 5000 pcs



WPC1 WALL BAR

ARTICLE NO.	FINISH/COLOUR
*special article	Steel zinc-plated

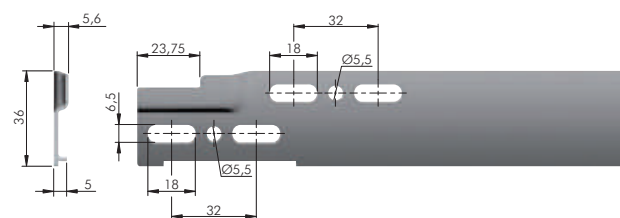
Minimum Order Quantity = 20 pcs



WPC3 WALL BAR

ARTICLE NO.	FINISH/COLOUR
*special article	Steel zinc-plated

Minimum Order Quantity = 20 pcs



L = Customized length.



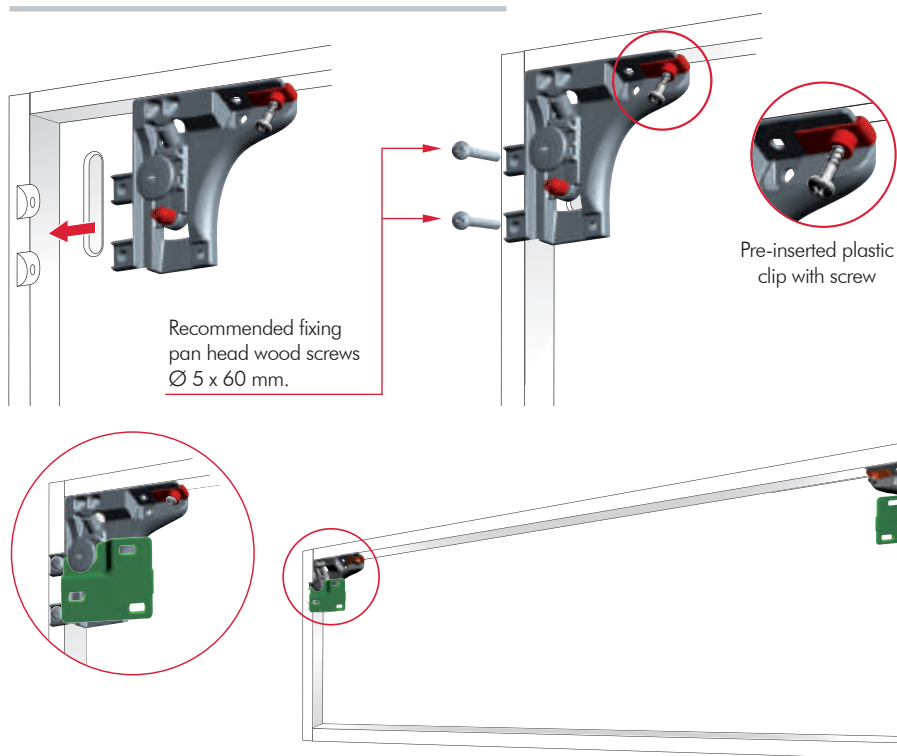


LIBRA H6 TO BE FIXED BEHIND THE REAR PANEL

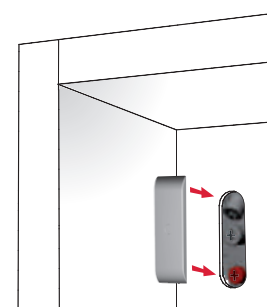
Recommended for living units with swing-drop down doors.



INSTALLATION UNDER THE CABINET TOP

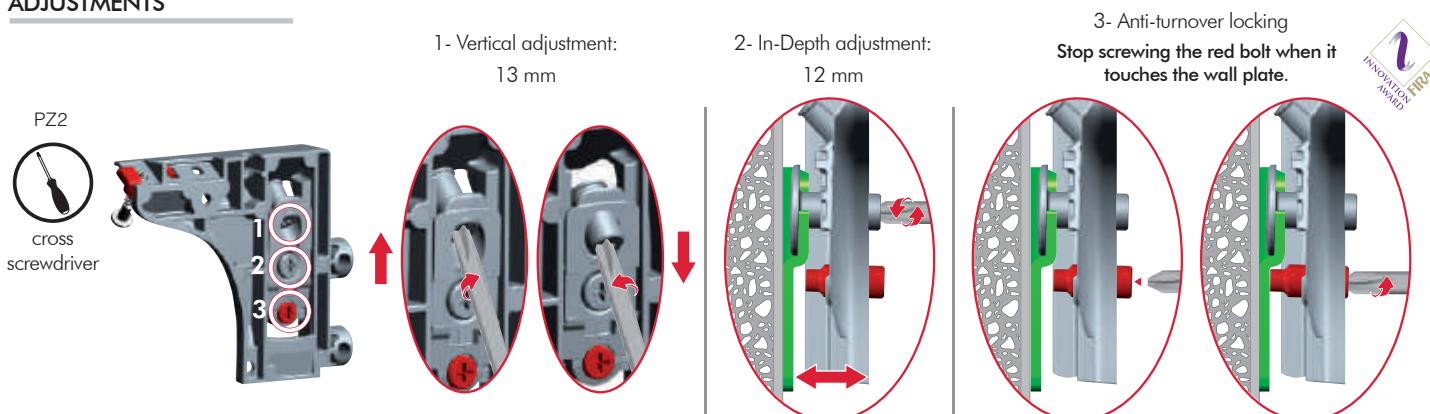


COVER CAP INSERTING



For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

ADJUSTMENTS



LIBRA H6

Zinc alloy/steel zinc-plated and plastic.

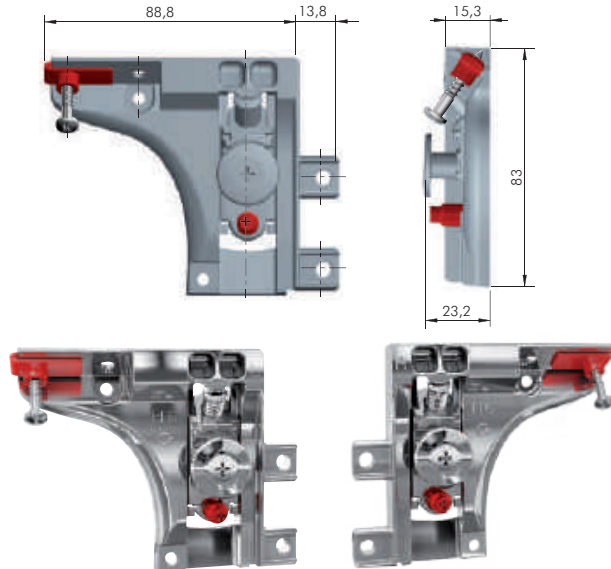
ARTICLE NO. (*special order)

290.41.960

Set including 1 pair (left + right) with white plastic cover caps.

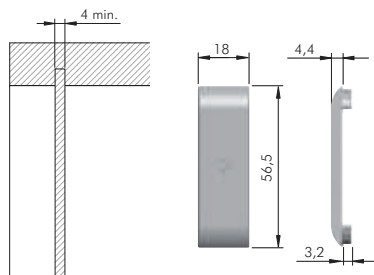
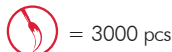


Each set includes wall plate, fixing screws and instruction sheet.



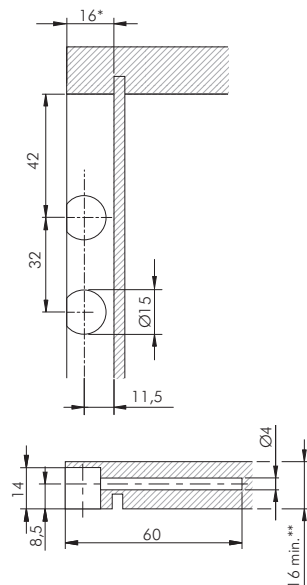
LIBRA CC1 COVER CAP

White plastic

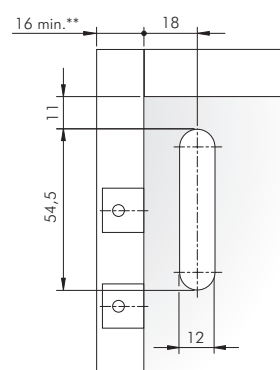


Drilling plan for LIBRA H6

Side panel and service gap



Back panel

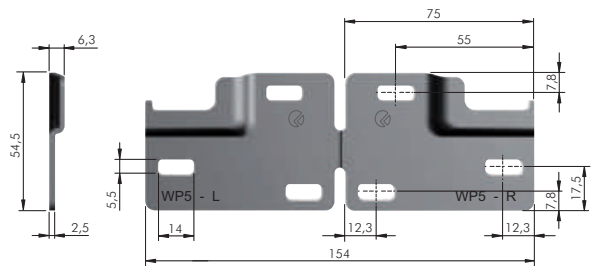


* Our technical department is at your disposal for different service gap options

** For side panel 15 mm thick use "LIBRA H6 SPACER - 1 mm".

WALL PLATE WP5

Steel zinc-plated



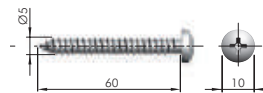
Especially conceived for LIBRA H6 and H7 for heavy duty loading.

Stress resistance calculated in Newton according to normative UNI 10768:



PAN HEAD WOOD SCREW Ø 5 X 60 mm

Steel zinc-plated



LIBRA CC4 COVER CAP

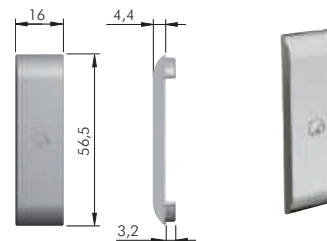
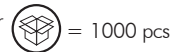
ARTICLE NO.

*special article

FINISH/COLOUR

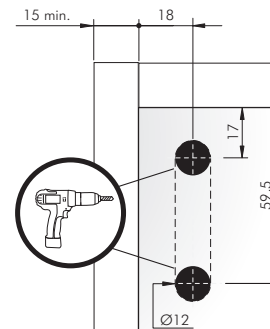
Zinc alloy nickel-plated

Minimum Order Quantity

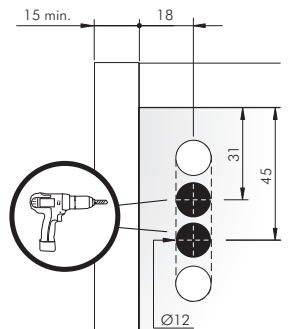


Back panel manual drilling plan for LIBRA H6

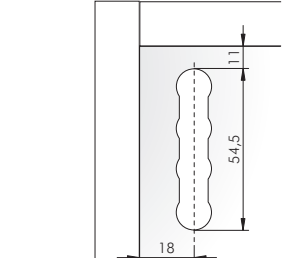
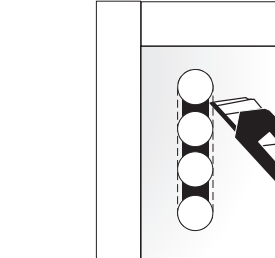
STEP 1



STEP 2



STEP 3



Carton jig drilling plan available on demand.

LIBRA H6 and LIBRA CH APPLICATIONS

BENEFITS OF LIBRA H6 HANGING SYSTEM:

- Vertical and in-depth adjustments as well as the locking of the cabinet, can be easily and smoothly carried out from the inside.
- The hanging system is never interfering with the slides for drawers as it is placed behind the back panel.
- Absolutely no mills, nor grooves required on the side panels.

In the **current absence of a unifying European norm** which sets the standards for testing procedures aimed at defining capacity loadings of hanging systems conceived for suspended base units, we at Italiana Ferramenta have simulated some of the most critical scenarios. The following simulations are meant to give our customers valid reference points concerning cabinet dimensions, weights, recommended loading capacity even when loaded drawers are opened.

The reported data, empirically obtained, exclusively refer to the

constructions and examples shown, correctly positioned and assembled by using WP5 wall plate.

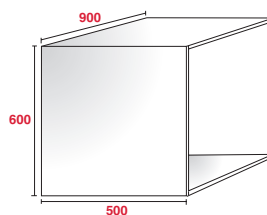
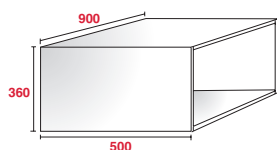
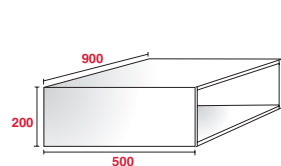
The customer must ensure that the wall is of suitable quality and structure.

Other important factors to be taken into consideration are determined by:

- the type of side panel, the actual thickness and the material used. It is recommended to use chipboard panels. For MDF panels please contact us for further information concerning the screw fixing.
- the type and dimensions of the screws used.
- the actual positioning, depth and width of the groove milled for the back side installation.
- the capacity loading of the drawer slides used as well as the actual construction of the drawer.

We always recommend to test a complete cabinet.

For cases which differ from the ones reported, please contact us.



LIBRA H6



LIBRA WP5



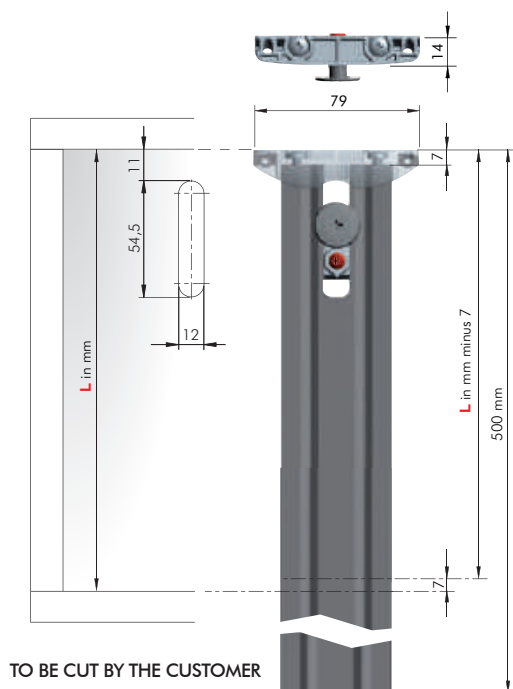
CROKROBO QVMB	LIBRA H6	LIBRA H6 + 1 LIBRA CH
Cabinet	100 Kg	150 Kg
Cabinet + drawer	70 Kg + 30 Kg	120 Kg + 30 Kg

CROKROBO QVMB	LIBRA H6	LIBRA H6 + 1 LIBRA CH
Cabinet	180 Kg	230 Kg
Cabinet + drawer	150 Kg + 30 Kg	180 Kg + 50 Kg

CROKROBO QVMB	LIBRA H6	LIBRA H6 + 1 LIBRA CH
Cabinet	200 Kg	230 Kg
Cabinet + drawer	170 Kg + 30 Kg	170 Kg + 50 Kg

The reported data, empirically obtained, exclusively refer to the constructions and examples shown, correctly positioned and assembled by using WP5 wall plate.

LIBRA CH WITH UPPER END ELEMENT PRE-MOUNTED (SEPARATE LOWER END ELEMENT)



LIBRA CH L. 500 mm

On demand = 25 pcs

Aluminium and zinc alloy/steel zinc-plated

- To be cut by the customer
- Use with WP5 wall plate

LIBRA WP5

On demand = 1 pc for 2 LIBRA CH

Steel zinc-plated

- For wall plate details refer to product LIBRA H6 - H7

OVAL COVER CAP CC1 PLASTIC WHITE

On demand = 1 pc each LIBRA CH

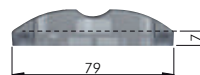
White plastic

- For cover cap details refer to product LIBRA H1 - H6

LOWER END ELEMENT

On demand = 1 pc each LIBRA CH

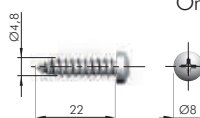
Zinc alloy zinc-plated



SELF TAPPING PAN-HEAD SCREW FOR LOWER END ELEMENT Ø 4,8 X 22 mm

Steel zinc-plated

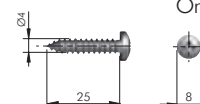
On demand = 2 pcs each LIBRA CH



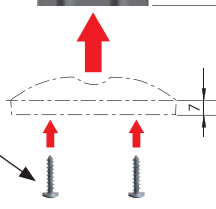
PAN-HEAD WOOD SCREW Ø 4 X 25 mm

Steel zinc-plated

On demand = 4 pcs each LIBRA CH



Fixing pan head
self-tapping screw
Ø 4,8 x 22 mm.



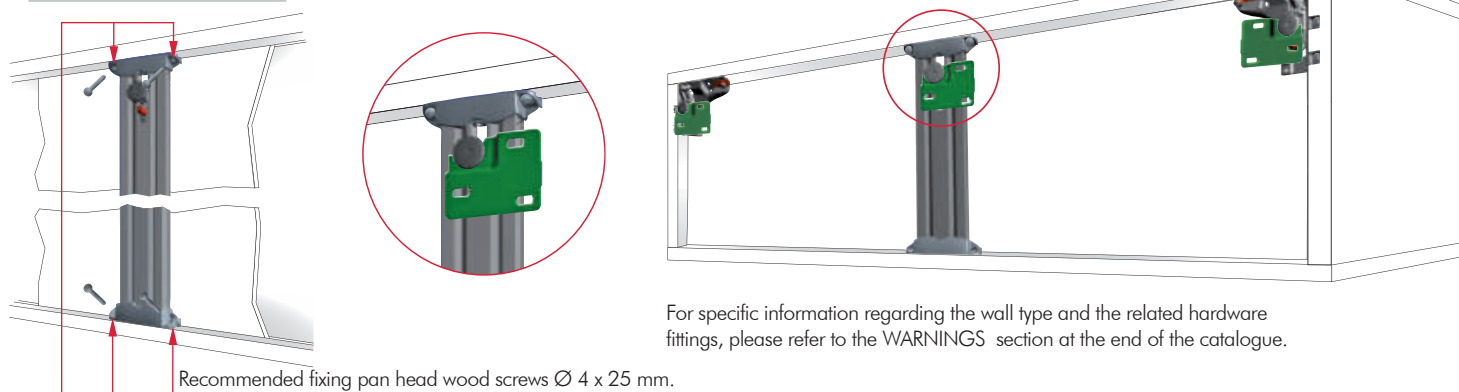


LIBRA H6 AND LIBRA CH TO BE FIXED BEHIND THE REAR PANEL

Recommended for living units with drawer/s.



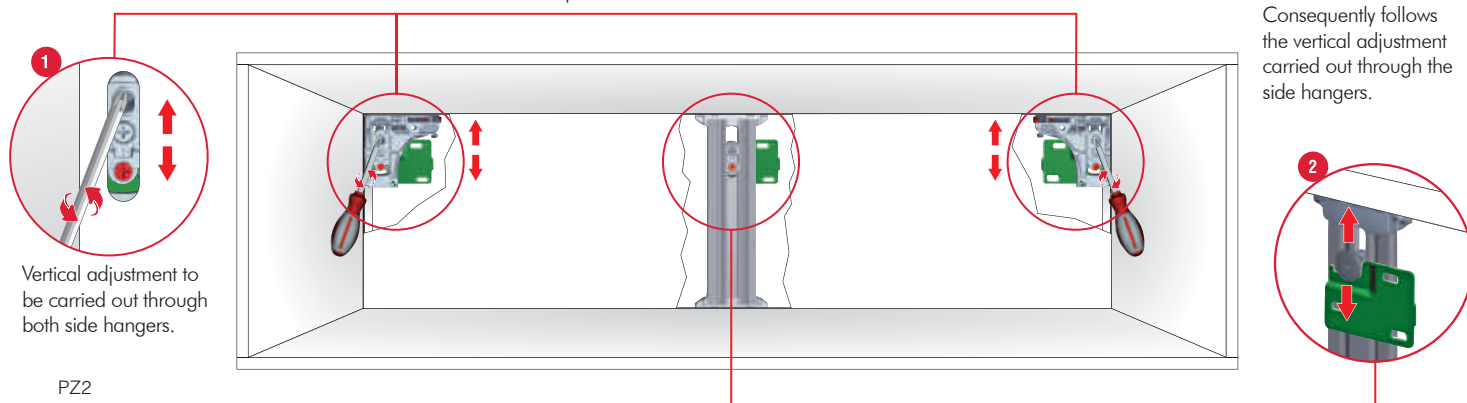
INSTALLATION



For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

ADJUSTMENTS

1 - Vertical adjustment LIBRA H6 - 13 mm

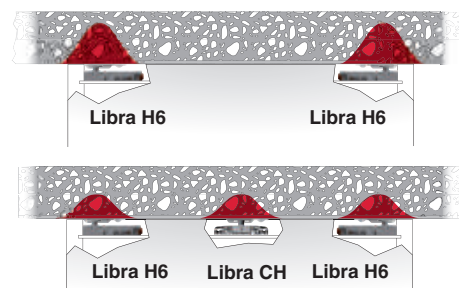
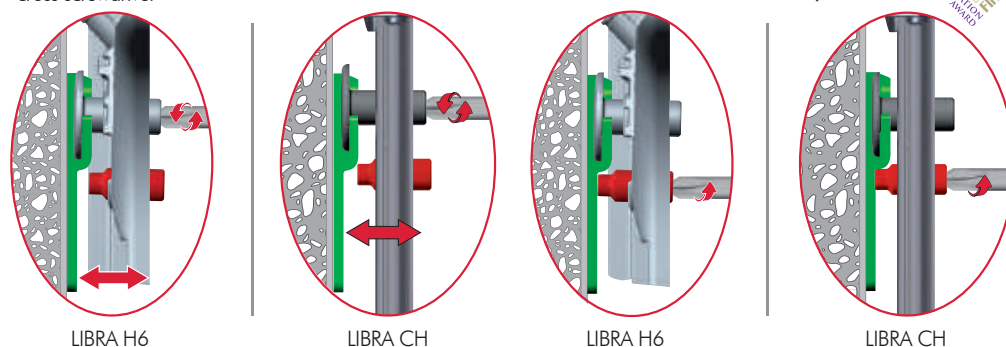


2- In-Depth adjustment:
12 mm

3- Anti-turnover locking
Stop screwing the red bolt when it touches the wall plate.



 = STRESS INTENSITY LEVEL ON THE WALL



By adding Libra CH to Libra H6, the capacity loading is more evenly distributed thus sensibly reducing the stress intensity level on the wall.



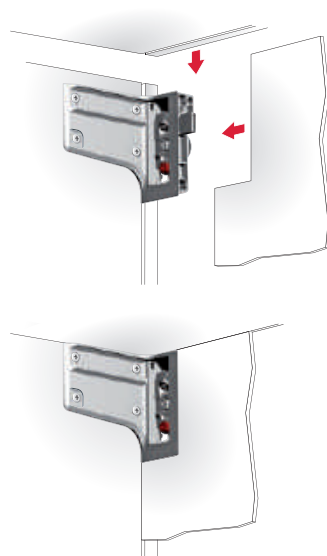
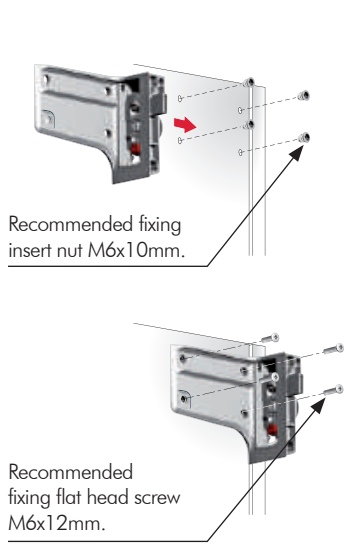
LIBRA H7 TO BE FIXED ON THE CABINET SIDE

Recommended for living units and bathroom units with swing-drop down door/s.

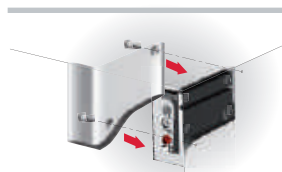


PATENTED

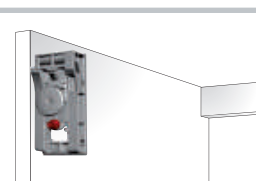
INSTALLATION



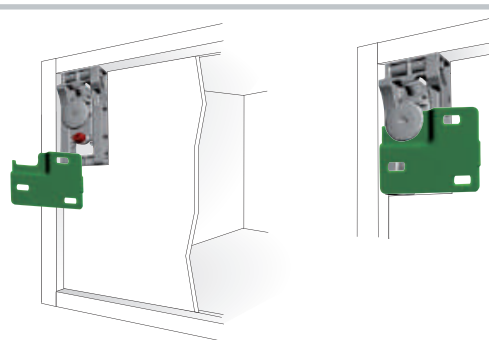
COVER CAP INSERTING



ALTERNATIVE APPLICATION WITHOUT TOP



INSTALLATION ON THE WALL



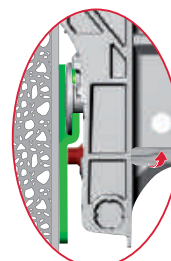
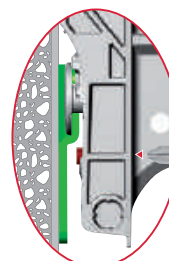
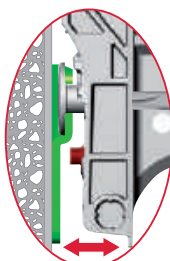
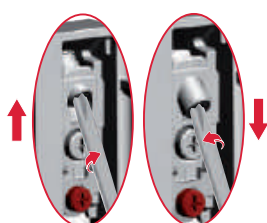
For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

ADJUSTMENTS

1 - Vertical adjustment:
13 mm

2 - In-Depth adjustment:
12 mm

3 - Anti-turnover locking
Stop screwing the red bolt
when it touches the wall plate.



LIBRA H7 APPLICATIONS WITH LIBRA CH

BENEFITS OF LIBRA H7 HANGING SYSTEM:

- Vertical and in-depth adjustments as well as the locking of the cabinet, can be easily and smoothly carried out from the inside.
- The hanging system is never interfering with the slides for drawers thanks to the slim side bracket wings.
- Absolutely no mills, nor grooves required on the side panels.

In the **current absence of a unifying European norm** which sets the standards for testing procedures aimed at defining capacity loadings of hanging systems conceived for suspended base units, we at Italiana Ferramenta have simulated some of the most critical scenarios. The following simulations are meant to give our customers valid reference points concerning cabinet dimensions, weights, recommended loading capacity even when loaded drawers are opened.

The reported data, empirically obtained, exclusively refer to the constructions and examples shown, correctly positioned and assembled by using WP5 wall plate.

The customer must ensure that the wall is of suitable quality and structure.

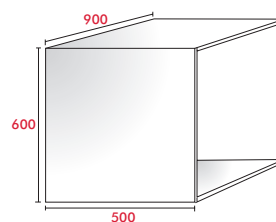
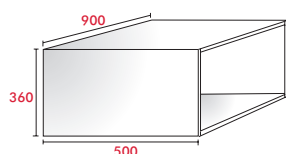
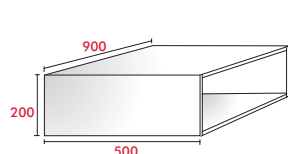
Other important factors to be taken into consideration are determined by:

- the type of side panel, the actual thickness and the material used.
- the type and dimensions of the screws used.
- the actual positioning, depth and width of the groove milled for the back side installation.
- the capacity loading of the drawer slides used as well as the actual construction of the drawer.

We always recommend to test a complete cabinet.

For cases which differ from the ones reported, please contact us.

LIBRA H7 SCREW FIXING WITH "PEG JOINT"



FURNITURE TYPE	CAPACITY LOADING	
	LIBRA H7	LIBRA H7 + 1 LIBRA CH
Cabinet	120 Kg	130 Kg
Cabinet + drawer	80 Kg + 30 Kg	120 Kg + 30 Kg

FURNITURE TYPE	CAPACITY LOADING	
	LIBRA H7	LIBRA H7 + 1 LIBRA CH
Cabinet	180 Kg	230 Kg
Cabinet + drawer	150 Kg + 30 Kg	180 Kg + 30 Kg

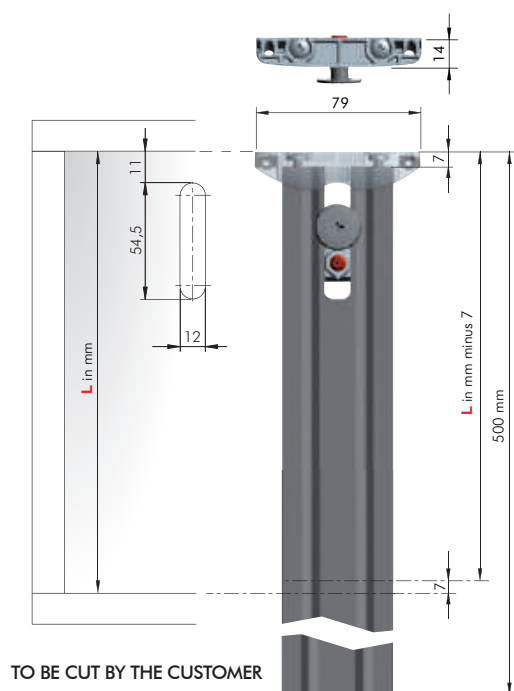
FURNITURE TYPE	CAPACITY LOADING	
	LIBRA H7	LIBRA H7 + 1 LIBRA CH
Cabinet	200 Kg	230 Kg
Cabinet + drawer	170 Kg + 30 Kg	170 Kg + 50 Kg

LIBRA WP5



The reported data, empirically obtained, exclusively refer to the constructions and examples shown, correctly positioned and assembled by using WP5 wall plate.

LIBRA CH WITH UPPER END ELEMENT PRE-MOUNTED (SEPARATE LOWER END ELEMENT)



LIBRA CH L. 500 mm

On demand = 25 pcs

Aluminium and zinc alloy/steel zinc-plated

- To be cut by the customer
- Use with WP5 wall plate

LIBRA WP5

On demand = 1 pc for 2 LIBRA CH

Steel zinc-plated

- For wall plate details refer to product LIBRA H6 - H7

OVAL COVER CAP CC1 PLASTIC WHITE

On demand = 1 pc each LIBRA CH

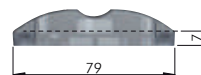
White plastic

- For cover cap details refer to product LIBRA H1 - H6

LOWER END ELEMENT

On demand = 25 pc each LIBRA CH

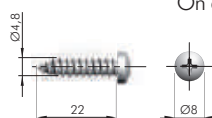
Zinc alloy zinc-plated



SELF TAPPING PAN-HEAD SCREW FOR LOWER END ELEMENT Ø 4,8 X 22 mm

Steel zinc-plated

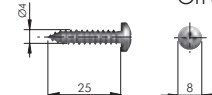
On demand = 2 pcs each LIBRA CH



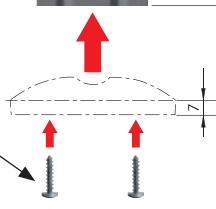
PAN-HEAD WOOD SCREW Ø 4 X 25 mm

Steel zinc-plated

On demand = 4 pcs each LIBRA CH



Fixing pan head self-tapping screw Ø 4,8 x 22 mm.

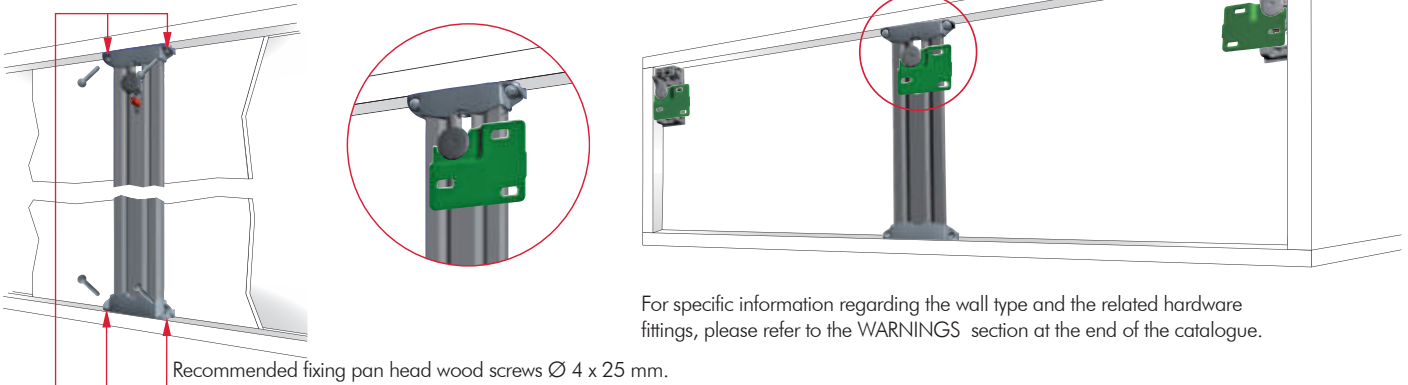


LIBRA H7 TO BE FIXED ON THE CABINET SIDE AND LIBRA CH TO BE FIXED BEHIND THE REAR PANEL

Recommended for living units with drawer/s.



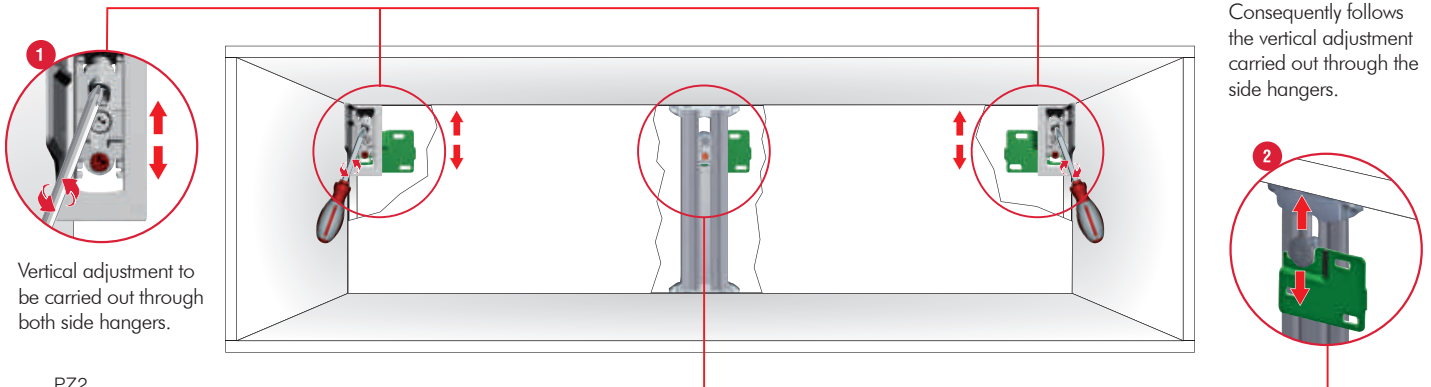
INSTALLATION



For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

ADJUSTMENTS

1 - Vertical adjustment LIBRA H7 - 13 mm

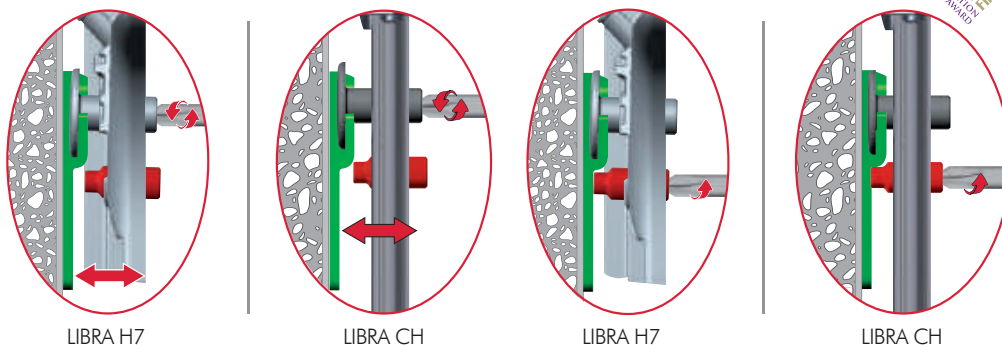


LIBRA CH
Consequently follows the vertical adjustment carried out through the side hangers.

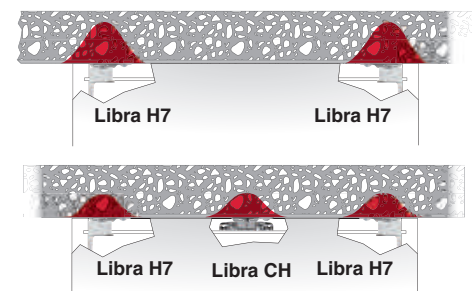


2- In-Depth adjustment:
12 mm

3- Anti-turnover locking
Stop screwing the red bolt when it touches the wall plate.



 = STRESS INTENSITY LEVEL ON THE WALL



By adding Libra CH to Libra H7, the capacity loading is more evenly distributed thus sensibly reducing the stress intensity level on the wall.



LIBRA H7 APPLICATIONS: SCREW FIXING and DOWEL FIXING WITH OPTIONAL ALUMINIUM BARS

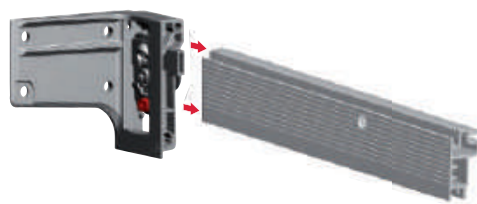
BENEFITS OF LIBRA H7 HANGING SYSTEM:

- Vertical and in-depth adjustments as well as the locking of the cabinet, can be easily and smoothly carried out from the inside.
- The hanging system is never interfering with the slides for drawers thanks to the slim side bracket wings.
- Absolutely no mills, nor grooves required on the side panels.

In the **current absence of a unifying European norm** which sets the standards for testing procedures aimed at defining capacity loadings of hanging systems conceived for suspended base units, we at Italiana Ferramenta have simulated some of the most critical scenarios. The following simulations are meant to give our customers valid reference points concerning cabinet dimensions, weights, recommended loading capacity even when loaded drawers are opened.

LIBRA H7 SCREW FIXING WITH "PEG JOINT"

LIBRA H7 SCREW FIXING WITH "PEG JOINT"

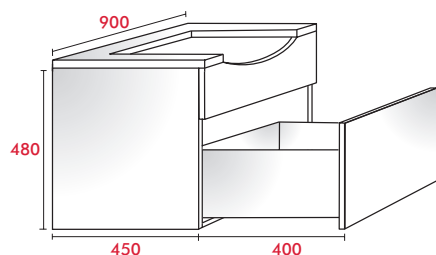
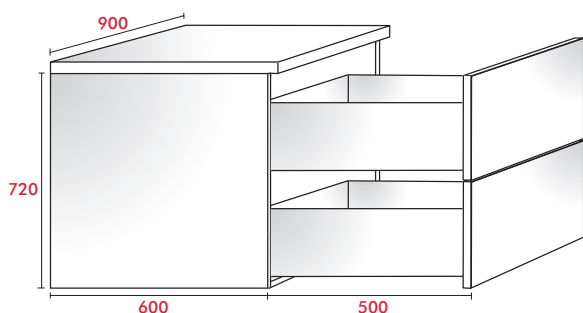
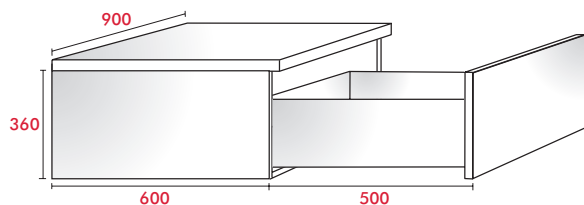
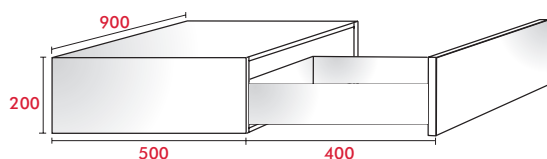


WITH ALU BAR H. 40,2 mm



WITH ALU BAR H. 80,5 mm

LIBRA WP5



The reported data, empirically obtained, exclusively refer to the constructions and examples shown, correctly positioned and assembled by using WP5 wall plate.

The customer must ensure that the wall is of suitable quality and structure.

Other important factors to be taken into consideration are determined by:

- the type of side panel, the actual thickness and the material used.
- the type and dimensions of the screws used.
- the actual positioning, depth and width of the groove milled for the back side installation.
- the capacity loading of the drawer slides used as well as the actual construction of the drawer.

We always recommend to test a complete cabinet.

For cases which differ from the ones reported, please contact us.

CAPACITY LOADING

LIBRA H7 AND CABINET WITH STRUCTURAL TOP		FURNITURE TYPE	LIBRA H7 DOWEL FIXING AND ALU BAR H. 40,2 WITH 2 EXTRA HANGING POINTS
SCREW FIXING	DOWEL FIXING		
120 Kg	120 Kg	Cabinet	160 Kg
80 Kg + 30 Kg	80 Kg + 30 Kg	Cabinet + drawer	120 Kg + 30 Kg

CAPACITY LOADING

LIBRA H7 AND CABINET WITH STRUCTURAL TOP		FURNITURE TYPE	LIBRA H7 DOWEL FIXING AND ALU BAR H. 40,2 WITH 2 EXTRA HANGING POINTS
SCREW FIXING	DOWEL FIXING		
160 Kg	150 Kg	Cabinet	180 Kg
120 Kg + 30 Kg	110 Kg + 30 Kg	Cabinet + drawer	140 Kg + 30 Kg

CAPACITY LOADING

LIBRA H7 AND CABINET WITH STRUCTURAL TOP		FURNITURE TYPE	LIBRA H7 DOWEL FIXING AND ALU BAR H. 40,2 WITH 2 EXTRA HANGING POINTS
SCREW FIXING	DOWEL FIXING		
200 Kg	170 Kg	Cabinet	210 Kg
130 Kg + 60 Kg	100 Kg + 60 Kg	Cabinet + drawer	140 Kg + 2 x 30 Kg

CAPACITY LOADING

LIBRA H7 AND CABINET WITH STRUCTURAL TOP		FURNITURE TYPE	LIBRA H7 DOWEL FIXING AND ALU BAR H. 40,2 WITH 2 EXTRA HANGING POINTS
SCREW FIXING	DOWEL FIXING		
200 Kg	170 Kg	Cabinet	210 Kg
160 Kg + 30 Kg	130 Kg + 30 Kg	Cabinet + drawer	170 Kg + 30 Kg

The reported data, empirically obtained, exclusively refer to the constructions and examples shown, correctly positioned and assembled by using WP5 wall plate.



I P O > E 4 11 fcp E 43 - y 2 1ir j fkr j □ ^ α
Ideal for bathroom cabinets.



I P O > E 4 11 fcp E 43 - y 2 1ir j fkr j □ ^ α
Ideal for kitchen cabinets.



LIBRA H7 TO BE FIXED ON THE CABINET SIDE WITH ALUMINIUM BAR

Recommended for bathroom unit with drawer/s.

Recommended for kitchen base cabinets.



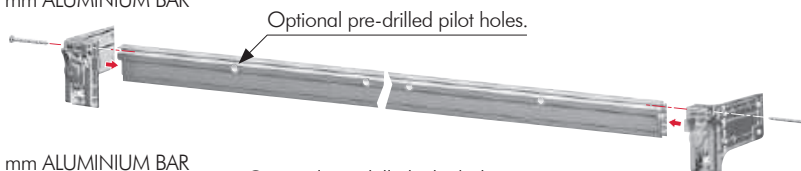
PATENTED

PATENTED

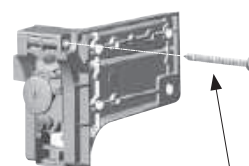
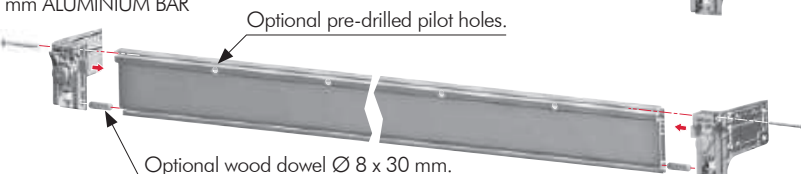


ASSEMBLING WITH:

H 40,2 mm ALUMINIUM BAR



H 80,5 mm ALUMINIUM BAR

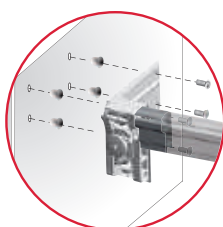
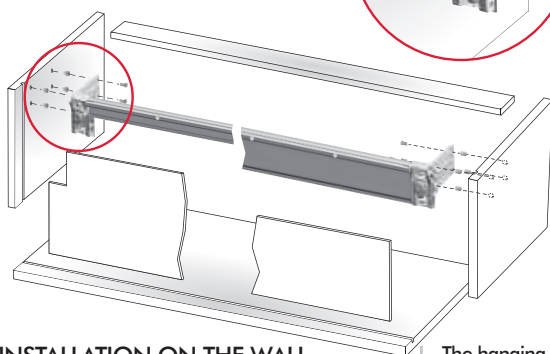


Recommended fixing
self-tapping pan head
screws Ø 4,2 x 45 mm.

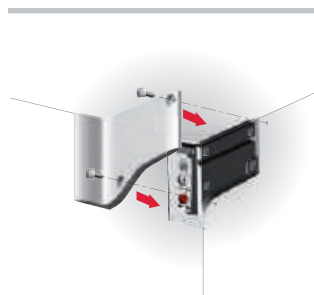
INSTALLATION

Recommended fixing:

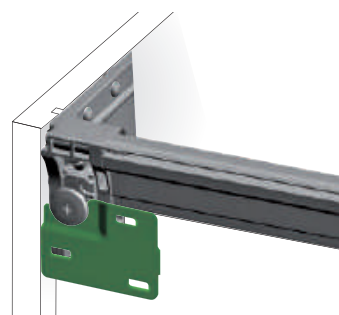
- insert nuts M6 x 13 mm
- flat head screws M6 x 10 mm



COVER CAP INSERTING

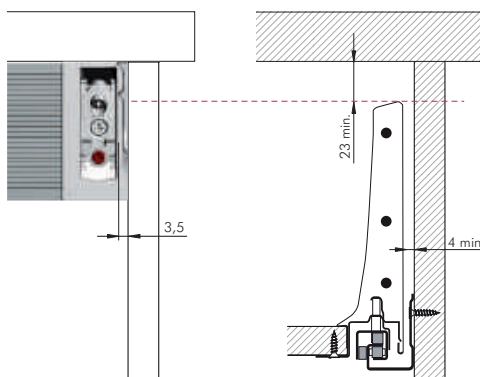


INSTALLATION ON THE WALL



For specific information regarding the wall type and the related hardware fittings, please refer to the WARNING section at the end of the catalogue.

The hanging system is never interfering with the slides for drawers thanks to the slim side bracket wings.



■ = STRESS INTENSITY LEVEL ON THE WALL

By adding extra hanging points on the aluminium bar, the capacity loading is more evenly distributed, thus sensibly reducing the stress intensity level on the wall.



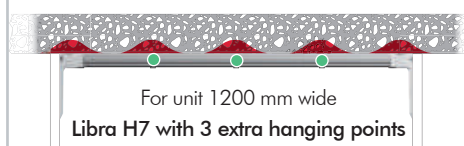
For unit 450 mm wide
Libra H7



For unit 600 mm wide
Libra H7 with 1 extra hanging point

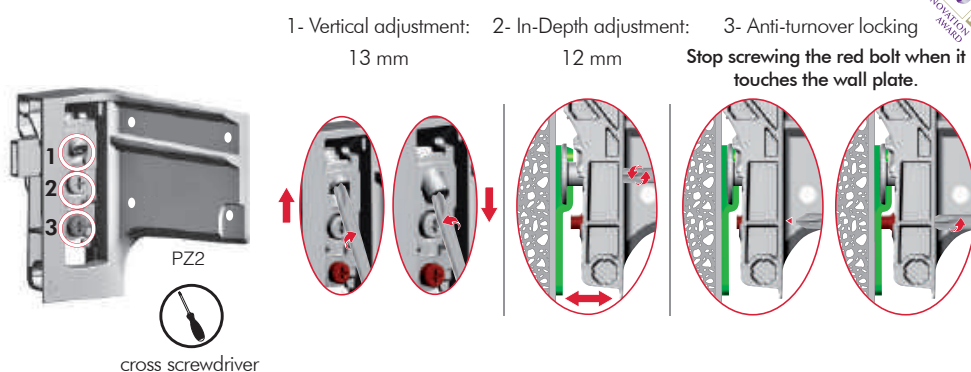


For unit 950 mm wide
Libra H7 with 2 extra hanging points



For unit 1200 mm wide
Libra H7 with 3 extra hanging points

ADJUSTMENTS (STEP 1)



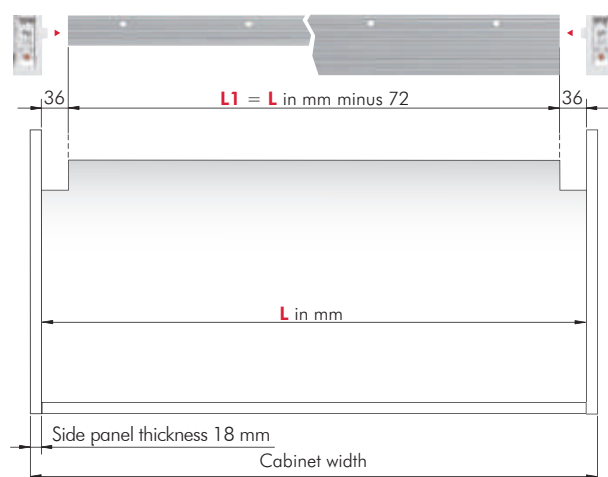
EXTRA HANGING POINTS (STEP 2)



For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

SUGGESTED POSITIONING OF PRE-DRILLED Ø 8 OR Ø 10 INTERMEDIATE PILOT HOLES ACCORDING TO CABINET WIDTH

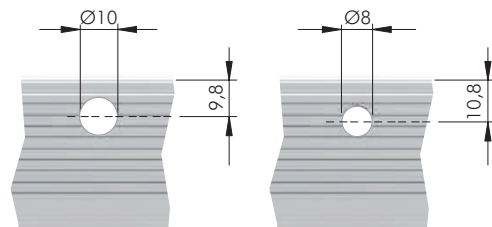
The following cutting patterns refer to cabinet 18 mm thick. For different cabinet thickness, please contact the office.



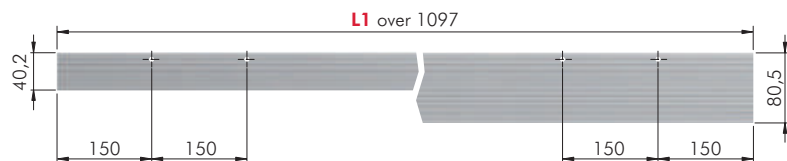
SUGGESTED COMBINATIONS:

CABINET WIDTH (mm)	INTERMEDIATE PILOT HOLES
up to 450	-
from 451 to 600	1
from 601 to 950	2
from 951 to 1200	3
over 1201	4

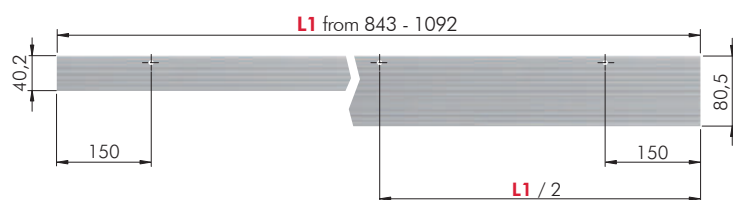
Optional drilling operation/s to be carried out by the customer.



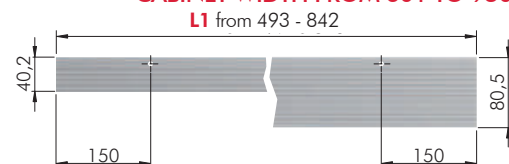
CABINET WIDTH OVER 1201



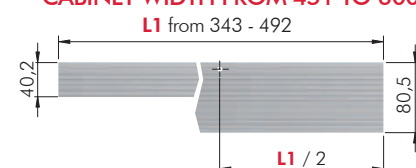
CABINET WIDTH FROM 951 TO 1200



CABINET WIDTH FROM 601 TO 950



CABINET WIDTH FROM 451 TO 600



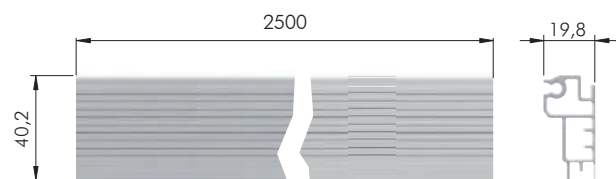
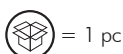
CABINET WIDTH FROM 450



LIBRA H7 ALUMINIUM BAR H 40,2 mm

290.01.040 - Aluminium.

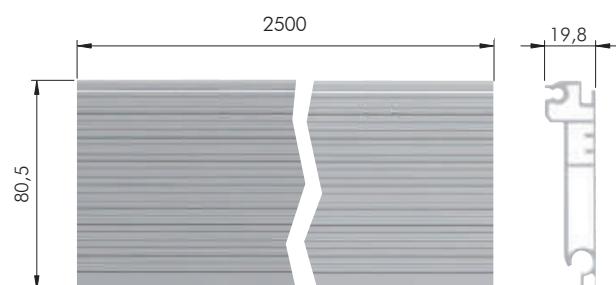
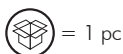
To be cut by the customer.



LIBRA H7 ALUMINIUM BAR H 80,5 mm

290.01.081 - Aluminium.

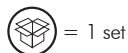
To be cut by the customer.



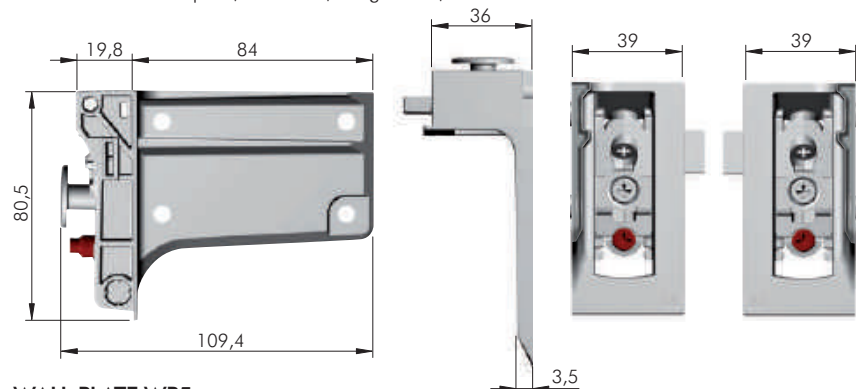
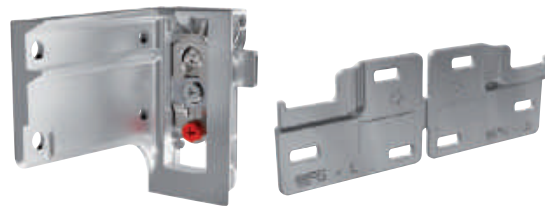
LIBRA H7 SCREW FIXING WITH "PEG JOINT" FOR ALUMINIUM BAR

Zinc alloy/steel zinc-plated

290.41.754 - Set including 1 pair (left + right).



Each set includes wall plate, insert nuts, fixing screws, wood dowels and instruction sheet.

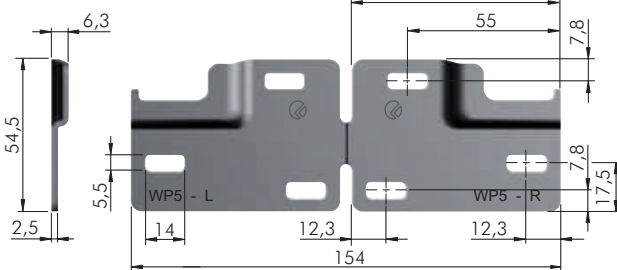


WALL PLATE WP5

Steel zinc-plated

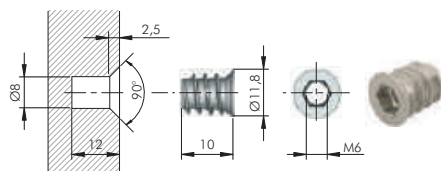
Especially conceived for LIBRA H6 and H7 for heavy duty loading.

Stress resistance calculated in Newton according to normative UNI 10768: - 7750 N



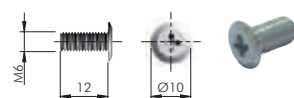
INSERT NUT M6 X 13 mm

Raw zinc alloy



FLAT HEAD SCREW M6 x 12 mm

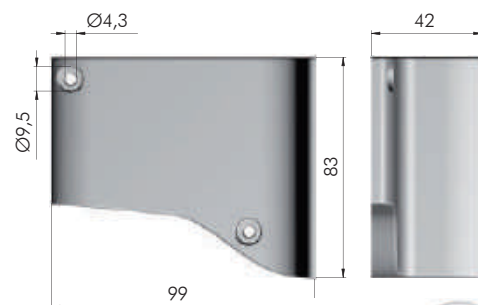
Steel nickel-plated



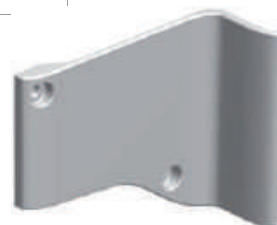
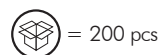
LIBRA H7 COVER CAP

290.36.750 - White plastic - Right.

290.36.751 - White plastic - Left.

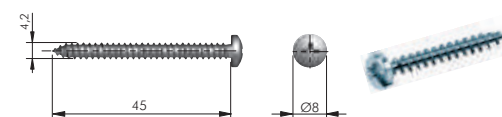


Light grey and anthracite.
On demand

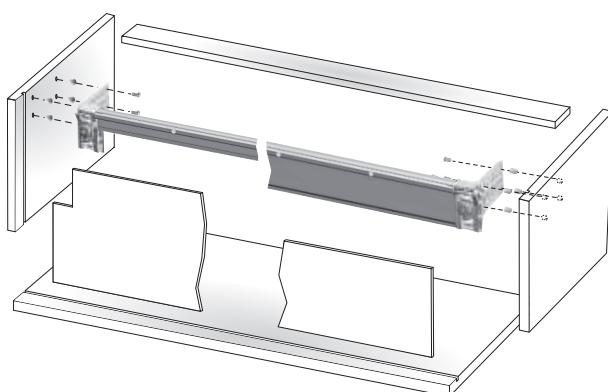


SELF-TAPPING PAN HEAD SCREW Ø 4,2 x 45 mm

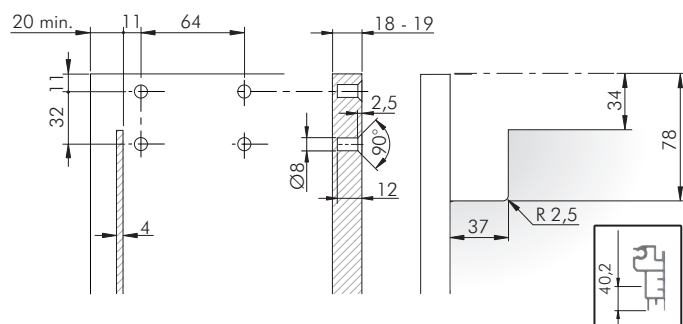
Steel zinc-plated



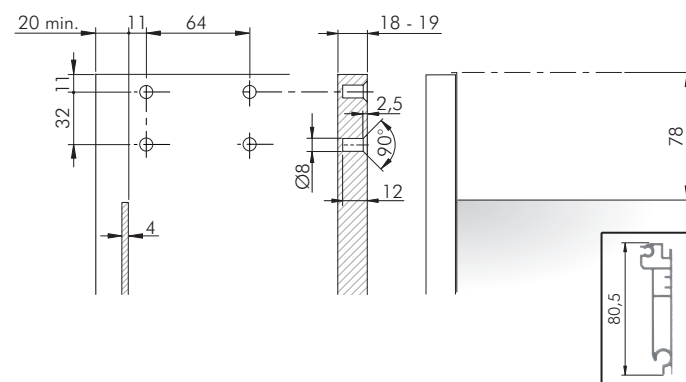
APPLICATIONS AND DRILLING PLANS



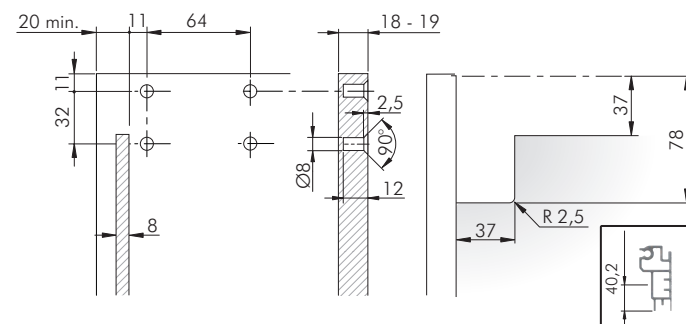
WITH ALUMINIUM BAR H 40,2 mm AND BACK PANEL 4 mm THICK



WITH ALUMINIUM BAR H 80,5 mm AND BACK PANEL 4 mm THICK



WITH ALUMINIUM BAR H 40,2 mm AND BACK PANEL 8 mm THICK

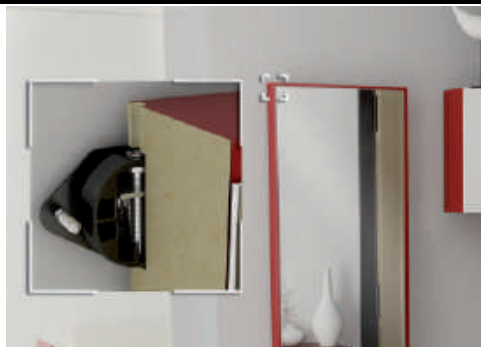




- Concealed hanging bracket for fixing mirrors, panels and small wall cabinets.
- It is slotted into the rear panel by making face boring.
- A $\varnothing 5$ through hole in the top edge, allows to align brackets vertically, by using a cross screwdriver.
- Lateral adjustment (according to the type of wall fixing used), which allows user-friendly fixing in place of mirrors, panels and small wall cabinets.
- Available in two versions:
 - With embedded bracket for screw hook.
 - With external bracket for wall plate.
- Capacity loading:
 - Mirrors and panels: 80 Kilos per pair.
 - Wall cabinet: empirical test with cabinet 600 x 600 x 250 mm, 50 Kilos per pair.
- All the parts are in steel, zinc alloy and engineering plastic.

For mirrors and panels:

80 Kilos per pair.



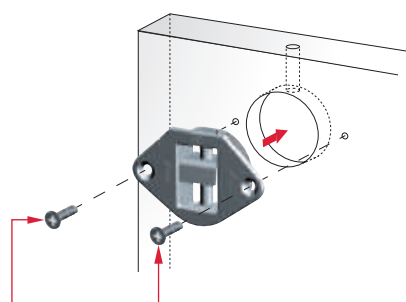
For small units:

(Empirical test with unit 600 x 600 x 250 mm)

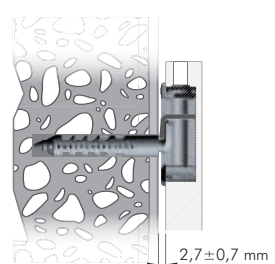
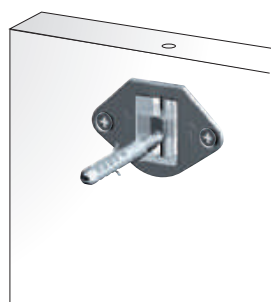
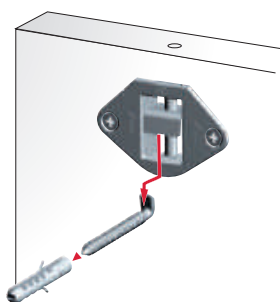
50 Kilos per pair.



INSTALLATION ON THE REAR PANEL AND ON THE WALL

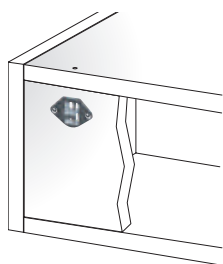


Recommended fixing countersunk head wood screws $\varnothing 3,5$ mm.

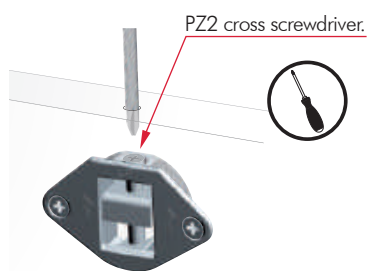


For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

ALTERNATIVE APPLICATION FOR SMALL UNIT

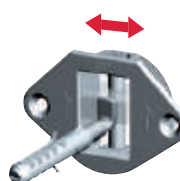


ADJUSTMENTS



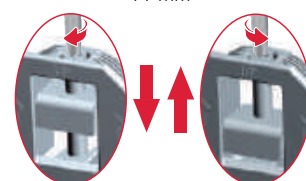
LATERAL ADJUSTMENT

10 mm



VERTICAL ADJUSTMENT

11 mm

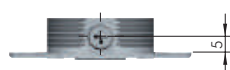
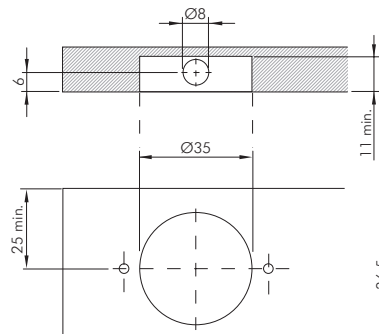
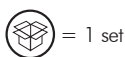


CONCEALED HANGER

Steel zinc-plated and black plastic.

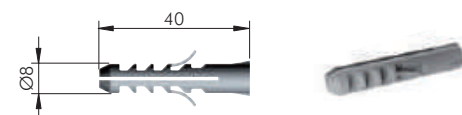
291.04.312 - Set including 2 pcs

Each set includes wood screws, rawl plugs and hook screws.



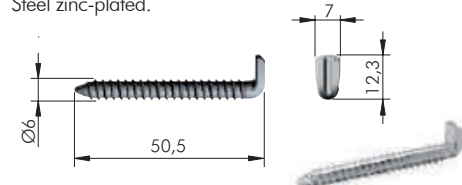
RAWL PLUG $\varnothing 8 \times 40$ mm

Plastic.



HOOK SCREW $\varnothing 6 \times 50,5$ mm

Steel zinc-plated.

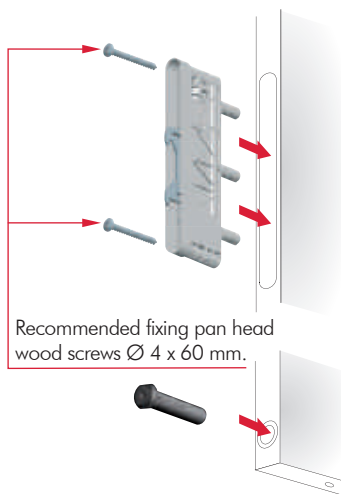




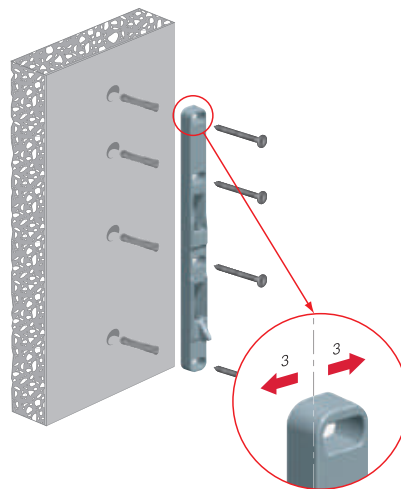
- ▶ Innovative concealed hanger, suitable to fix heavy-duty suspended libraries and cabinets on the wall, even when the structure is conceived without the back panel.
- ▶ To be inserted onto each side/partition of the furniture, minimum 25 mm thick.
- ▶ Consists of: a wall bracket whose optimized shape helps in reducing the stress on the rawl plugs and a double hanging-hook which allows a uniformly distributed load on the wall bracket:
- ▶ Adjustments to be carried out from the top edge through two Ø 8 mm holes, by using a S6 mm allen wrench.
- ▶ Features three independent adjustments:
 - LATERAL: to compensate drilling leeway and easily mount the sides/partitions on the wall.
 - VERTICAL: for perfect alignment of the sides/partitions against the wall.
 - IN-DEPTH: to secure side/partitions flushing with the wall.
- ▶ Possibility to align the cabinet In-Depth with Leveller Ø 14 H52 in order to keep it perfectly parallel on the wall.
- ▶ Self-inserting ANTI-TURNOVER device for domestic safety to guarantee fast locking of the cabinet against the wall plate.
- ▶ A plastic cover can be used to conceal the housings on the top edge.
- ▶ Capacity loading of 250 kilos each.
- ▶ Zinc alloy, steel and plastic.



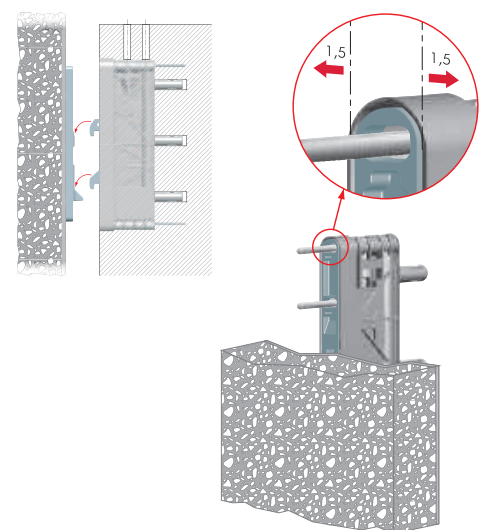
LIKU AND LEVELLER Ø 14 H52 INSTALLATION



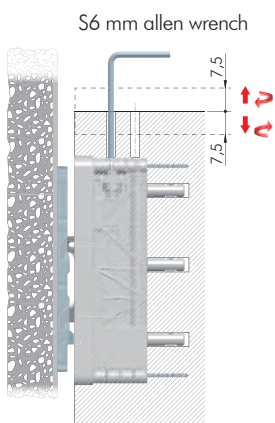
WALL PLATE FIXING AND LATERAL ADJUSTMENT: 6 mm



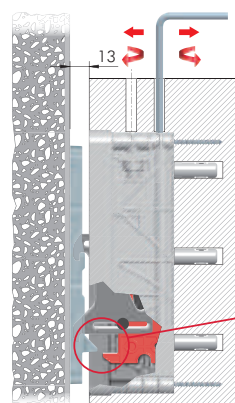
INSTALLATION AND FURTHER LATERAL ADJUSTMENT: 3 mm



VERTICAL ADJUSTMENT: 15 mm

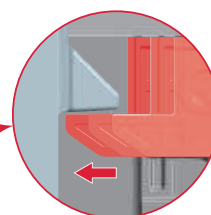


IN-DEPTH ADJUSTMENT: 13 mm AND Anti-turnover locking

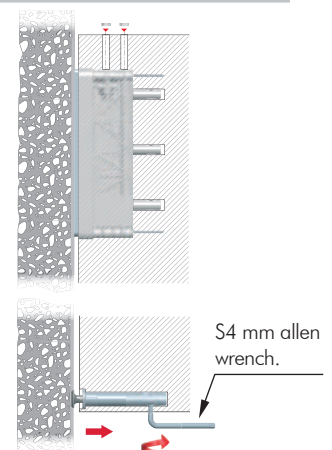


The self-inserting anti-turnover device is carried out after 3 mm of in-depth adjustment.

Anti-turnover device in detail.



INCLINATION ADJUSTMENT



For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

LIKU AND WALL PLATE

Zinc alloy/steel zinc-plated and plastic.

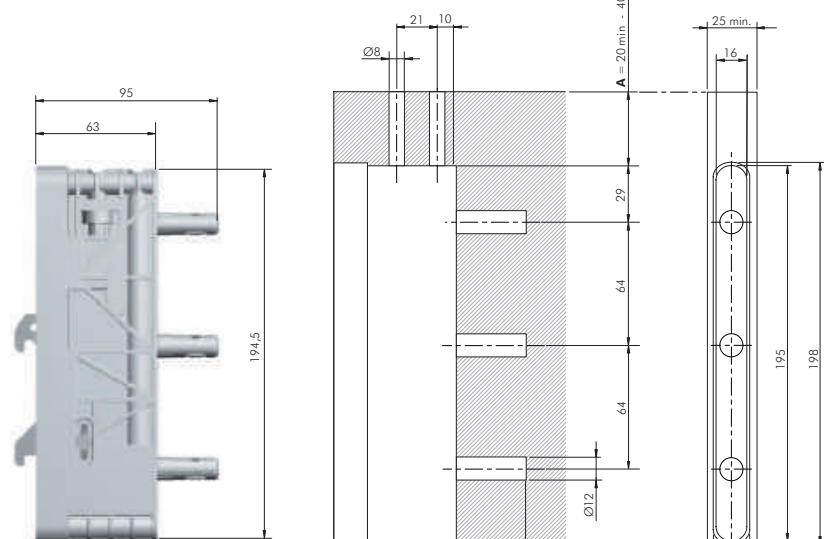
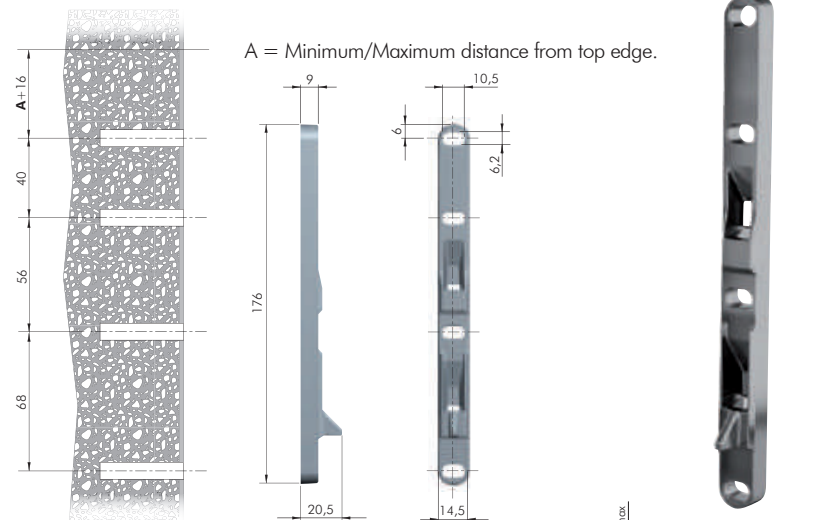
ARTICLE NO. (*special order)

290.41.930

Set including 1 pc with white plastic cover caps.

Minimum Order Quantity  = 40 sets

Each set includes wall plate, fixing screws and instruction sheet.

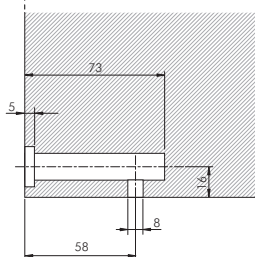
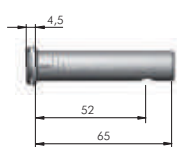


LEVELLER Ø 14 H 52 mm

Raw zinc alloy, steel and black plastic


• Adjustment 0 - 18 mm

On demand  = 40 pcs



COVER CAP Ø 8 mm

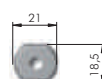
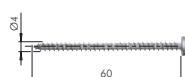
045.08.008 - White plastic.

 = 5000 pcs



SELF-TAPPING PAN HEAD SCREW Ø 4 x 60 mm

Steel zinc-plated



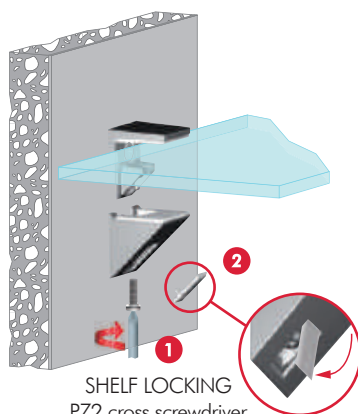


- ▶ Brand new shelf support for small free-standing glass shelves.
- ▶ Fresh and contemporary design.
- ▶ **Suitable for glass shelves from 5 up to 10 mm thick clamped between a soft rubber on both the upper and lower side.**
- ▶ Easy alignment of the brackets against the wall.
- ▶ White plastic cover to conceal the housing of the clamping screw.
- ▶ High capacity loading: 6 kilos per piece (approx 12 kilos per pair), for 150 mm shelf depth.
- ▶ Zinc alloy, soft rubber and plastic. Wide range of finishes.



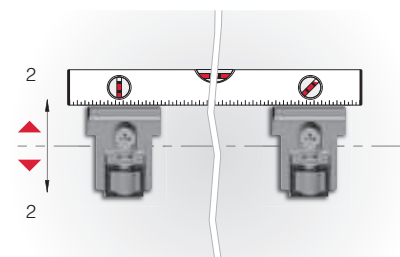
REGISTERED DESIGN

INSTALLATION



SHELF LOCKING
PZ2 cross screwdriver.

BRACKET ALIGNMENT



KALABRONE MINI

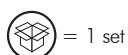
Zinc alloy, steel, white soft rubber and plastic

284.09.030 - Set 1 pc in Satin finished nickel-plated.

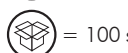
284.09.230 - Set 1 pc in Bright chrome.

284.09.930 - Set 1 pc in Aluminium RAL 9006.

- Set 1 pc in black matt

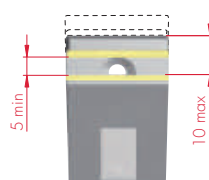
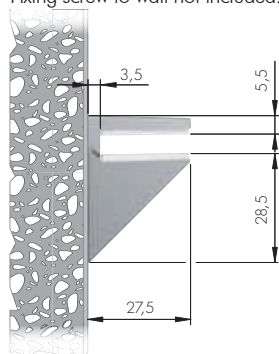


= 1 set



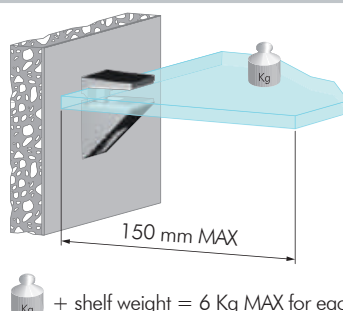
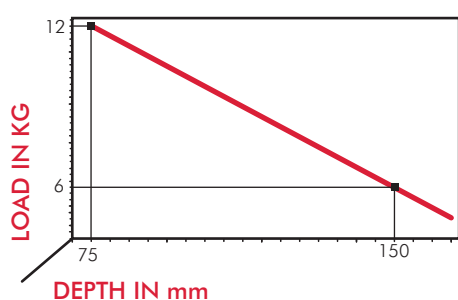
On demand = 100 sets

- Kalabrone Mini is supplied individually bagged with fixing clamping screw, white plastic cover cap and instruction sheet.
Fixing screw to wall not included.



Shelf is clamped between a layer of soft rubber on both the lower and upper side (coloured parts).

COMBINATION SHELF LOAD AND SHELF DEPTH (The figures refer to one shelf support)



For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

+ shelf weight = 6 Kg MAX for each shelf support

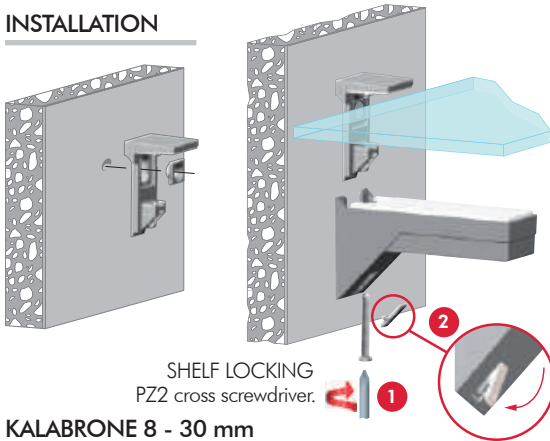


- ▶ Decorative and structural shelf support for free-standing shelves.
- ▶ Fresh and contemporary design, ideal for both glass and wood shelves.
- ▶ Available in two versions:
 - **KALABRONE** for minimum 8 up to 30 mm thick shelves.
 - **KALABRONE MAXI** for minimum 25 up to 50 mm thick shelves.
 Recommended for honeycomb/lightweight shelves.
- ▶ Shelf is clamped between a layer of ridged plastic on the lower side and soft rubber on the upper side.
- ▶ Useful method for perfect and permanent alignment of the brackets against the wall.
- ▶ Features the unique and patented front to back angle adjustment to quickly level the shelf with a cross screwdriver when the shelf is already mounted.
- ▶ White plastic cover to conceal the housing of the clamping screw.
- ▶ High capacity loading: 25 kilos per piece (approx. 50 kilos per pair), with 320 mm shelf depth.
- ▶ Zinc alloy, soft rubber and plastic. Wide range of finishes.



REGISTERED DESIGN

INSTALLATION



SHELF LOCKING
PZ2 cross screwdriver.

KALABRONE 8 - 30 mm

Zinc alloy, steel, white soft rubber and plastic

284.09.280 - Set 1 pair in Satin finished nickel-plated.

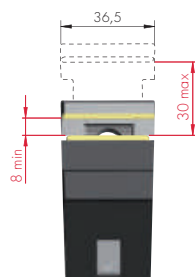
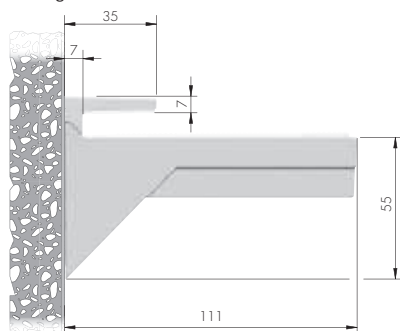
284.09.080 - Set 1 pair in Bright chrome.

284.09.980 - Set 1 pair in Aluminium RAL 9006.

- Set 1 pair in black matt

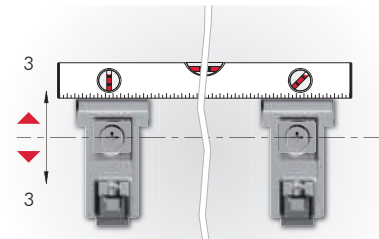
On demand = 24 sets

- Kalabrone is supplied in carton box including 2 pieces, plastic white cover caps, fixing accessories and instruction sheet. Fixing screws to wall not included.

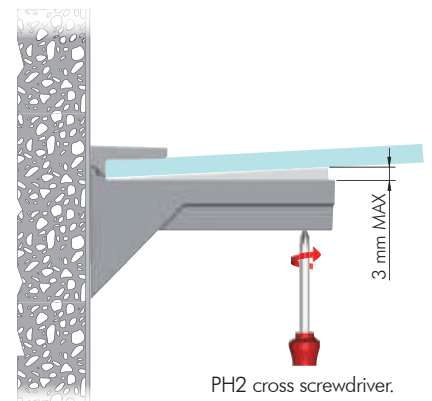


Shelf is clamped between a layer of ridged plastic on the lower side and soft rubber on the upper side (coloured parts).

BRACKET ALIGNMENT



INCLINATION ADJUSTMENT



PH2 cross screwdriver.

KALABRONE Maxi 25 - 50 mm

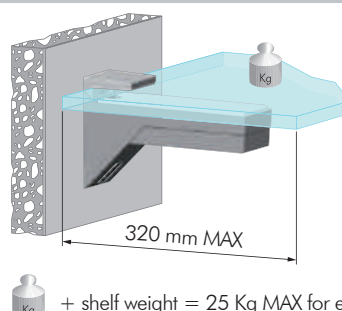
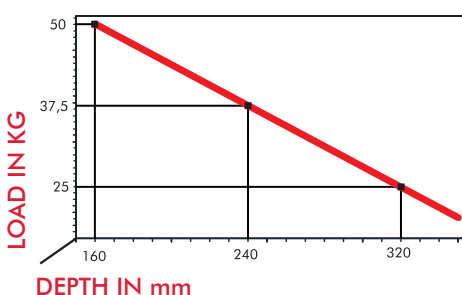
Zinc alloy, steel, white soft rubber and plastic

On demand = 18 sets

- Satin finished nickel-plated.
- Bright chrome.
- Aluminium RAL 9006.



COMBINATION SHELF LOAD AND SHELF DEPTH (The figures refer to one shelf support)

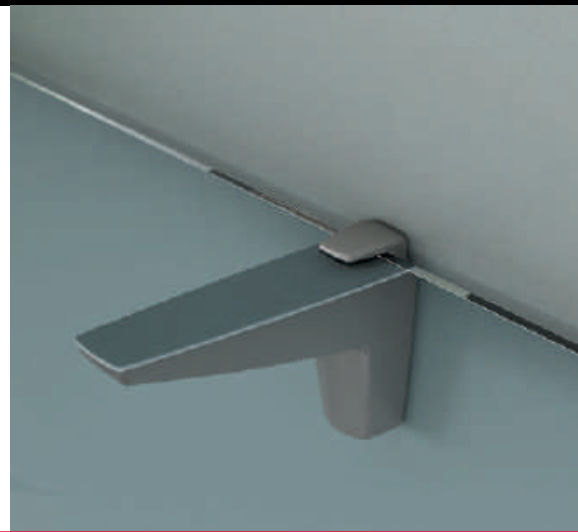


For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

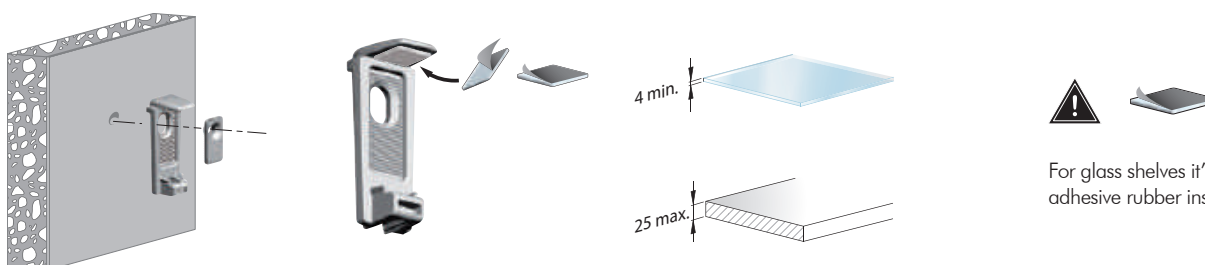
+ shelf weight = 25 Kg MAX for each shelf support



- ▶ Decorative and structural shelf support for free-standing shelves.
- ▶ **Fresh and contemporary design, ideal for both glass and wood shelves from 4 to 25mm thick.**
- ▶ Useful method for perfect and permanent alignment of the brackets against the wall.
- ▶ High capacity loading: 50 kilos per pair, with 320mm shelf depth.
- ▶ Zinc alloy and plastic.

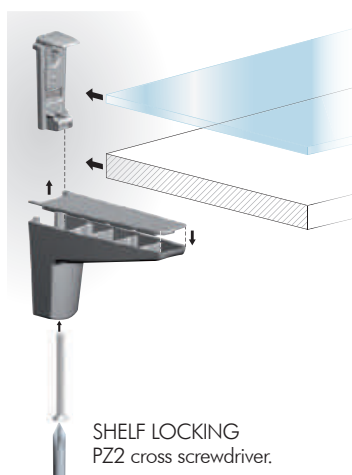


BRACKET INSTALLATION



For glass shelves it's necessary to add the adhesive rubber insert on the upper part.

SHELF INSTALLATION

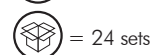
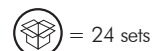


SHELF LOCKING
PZ2 cross screwdriver.

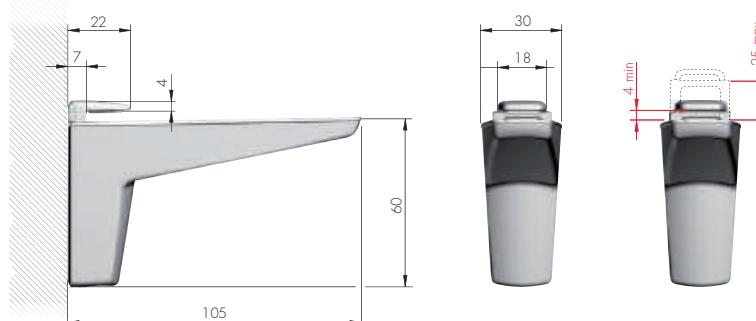
MOON S

Zinc alloy, steel, soft rubber and plastic.

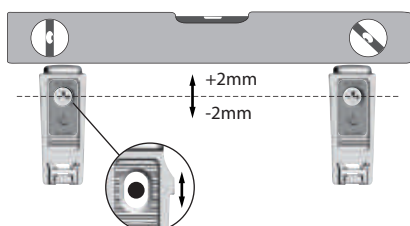
ARTICLE NO. (*special order)	FINISH/COLOUR
282.84.370	Set 1 pair in Matt Black.
282.84.270	Set 1 pair in Bright chrome.
	Set 1 pair in T-MET.



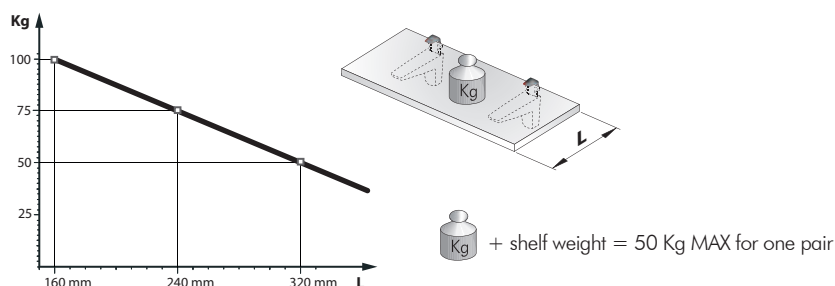
- Moon S is supplied in carton box including 2 pieces, adhesive soft rubbers, fixing accessories and instruction sheet. Fixing screws to wall not included.



BRACKET ALIGNMENT



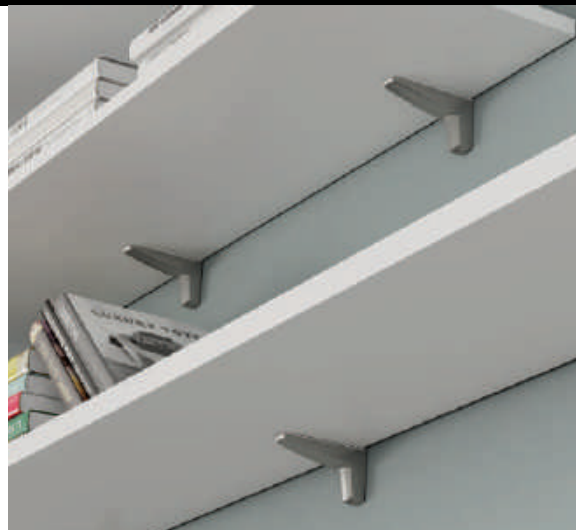
COMBINATION SHELF LOAD AND SHELF DEPTH (The figures refer to one pair of shelf supports)



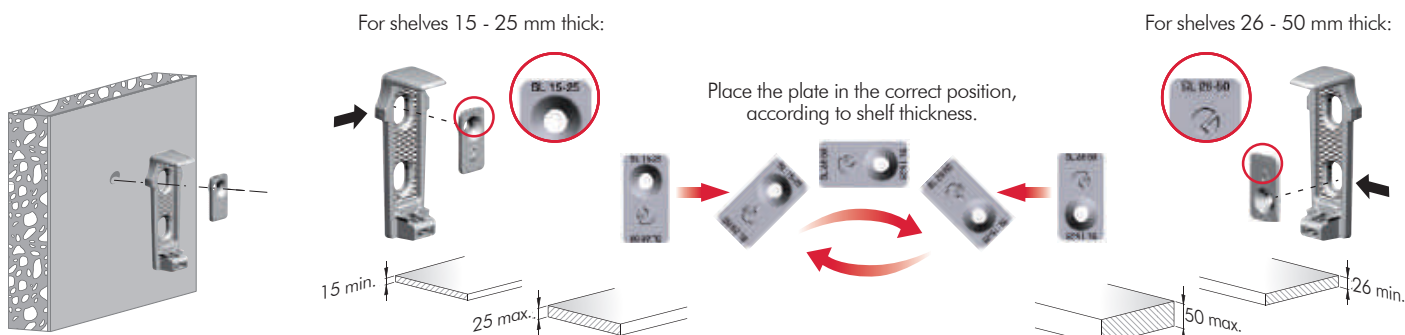
For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.



- ▶ Decorative and structural shelf support for free-standing shelves.
- ▶ **Fresh and contemporary design, ideal for wood shelves from 15 to 50mm thick.**
- ▶ Useful method for perfect and permanent alignment of the brackets against the wall.
- ▶ High capacity loading: 50 kilos per pair, with 320mm shelf depth.
- ▶ Zinc alloy and plastic.



BRACKET INSTALLATION



SHELF INSTALLATION



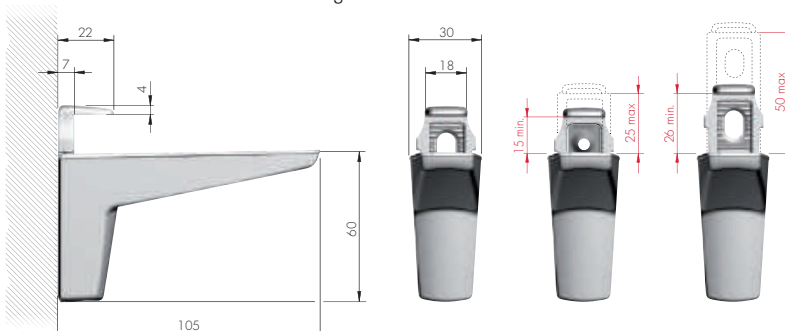
MOON

Zinc alloy, steel and plastic.

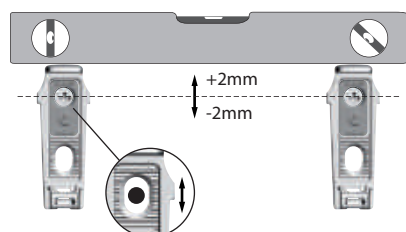
ARTICLE NO. (*special order)	FINISH/COLOUR
282.84.371	Set 1 pair in Matt Black.
282.84.271	Set 1 pair in Bright chrome.
	Set 1 pair in T-MET.



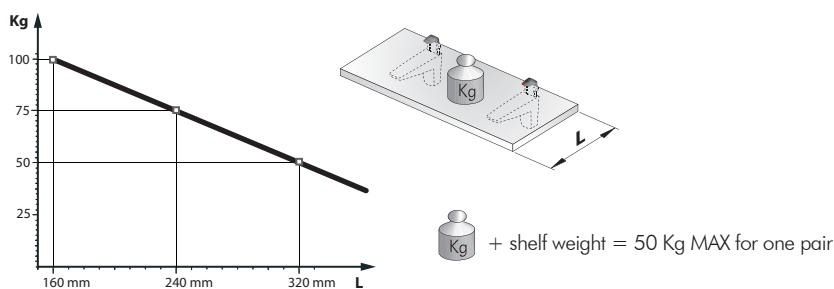
- Moon is supplied in carton box including 2 pieces, fixing accessories and instruction sheet. Fixing screws to wall not included.



BRACKET ALIGNMENT



COMBINATION SHELF LOAD AND SHELF DEPTH (The figures refer to one pair of shelf supports)



For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.



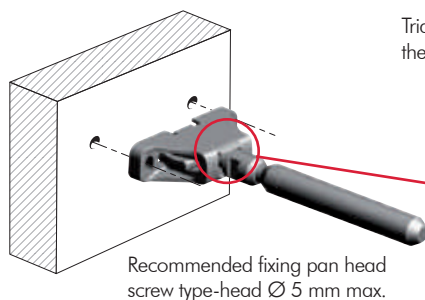
- ▶ Concealed and structural shelf support system for free-standing shelves, conceived to simplify the shelf installation.
- ▶ It is available in four versions:
 - **TRIADE Mini for minimum 25 mm thickness.**
 - TRIADE for 30 to 40 mm thickness.
 - TRIADE MAXI for minimum 40 mm thickness.
 - TRIADE XXL for honeycomb/lightweight panels minimum 40 mm thickness.
- ▶ Features three independent adjustments:
 - vertical: for perfect alignment of the brackets against the wall.
 - lateral: to compensate drilling leeway and to easily mount the shelf.
 - inclination: to be carried out with an open-ended wrench key when the shelf is partially inserted. Shelf angle is adjusted front to back extremely quickly.
- ▶ High Capacity Loading, see related charts.
- ▶ Complement BRACKET for each TRIADE version to enhance the capacity loading and the shelf stability by evenly distributing the shelf load on the wall.
- ▶ Zinc alloy and steel.



PAT.PENDING

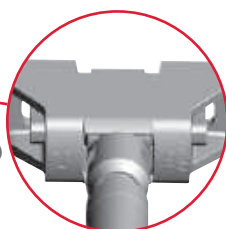
INSTALLATION

WOOD PANEL

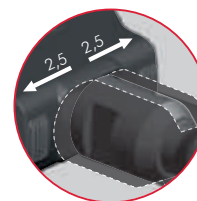
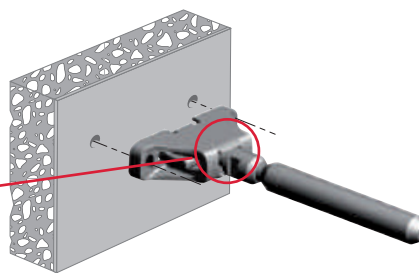


VERY IMPORTANT

Triade Mini has to be installed with the arrow facing upwards.

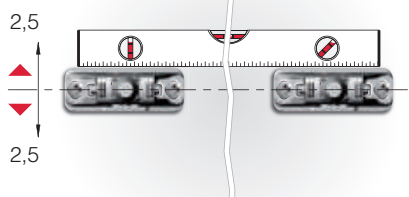


SOLID AND PLASTERBOARD PANEL



VERTICAL ADJUSTMENT

Align brackets vertically accordingly.

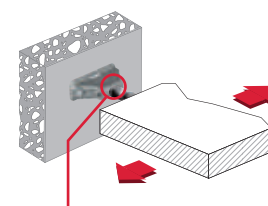
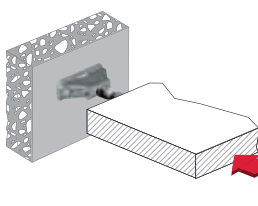
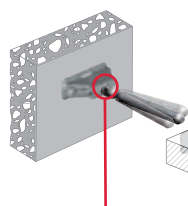


SHELF INSERTING AND LATERAL ADJUSTMENT

Tilt the shelf to match both supporting pins and shelf housings.

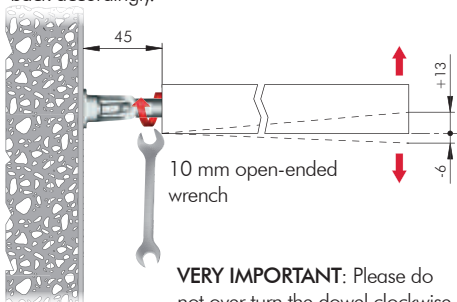
Insert partially the shelf.

Adjust the shelf laterally according to the application (i.e. multishelf composition).



INCLINATION ADJUSTMENT

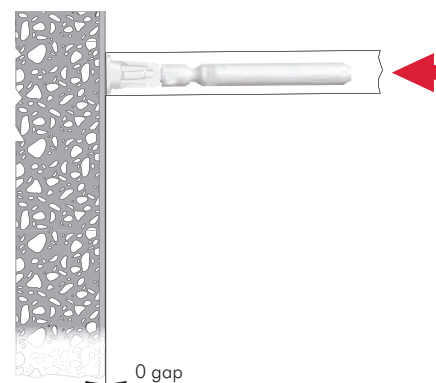
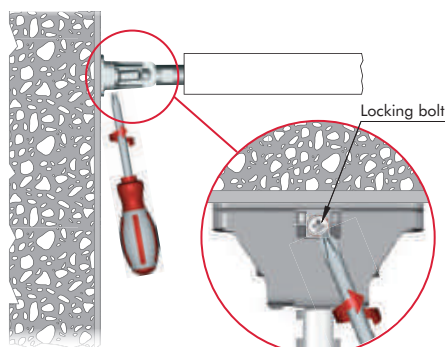
Turn clockwise the supporting pin with a 10 mm open-ended wrench to adjust the shelf angle front to back accordingly.



VERY IMPORTANT: Please do not over turn the dowel clockwise or anticlockwise when it reaches the end point.

PIN LOCKING AND SHELF INSERTING

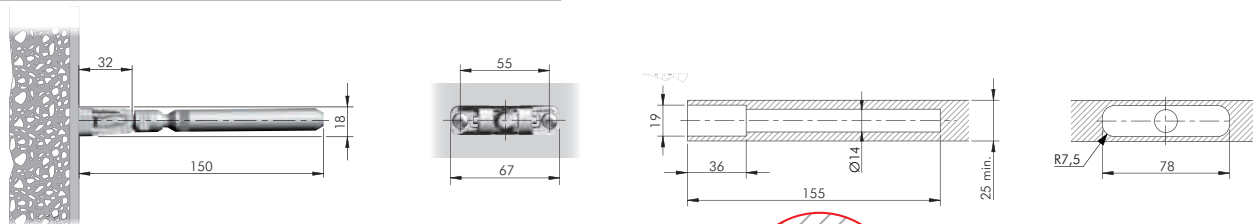
Push the shelf against the wall until the end.



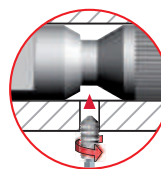
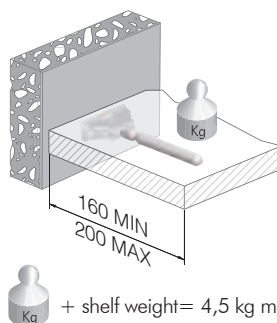
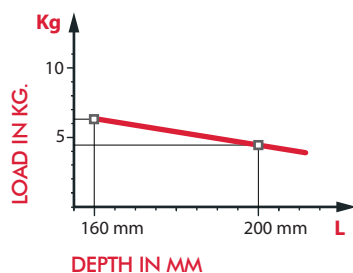
TRIADE MINI

ARTICLE NO. (*special order)	FINISH/COLOUR
283.39.011	Raw zinc alloy and steel zinc-plated.

Minimum Order Quantity  = 50 pcs



COMBINATION SHELF LOAD AND SHELF DEPTH (The figures refer to 1 shelf support)



Optional security locking with M4 grub screw placed underneath in alignment with the cavity. For details refer to section "Triade System optional security locking".



 + shelf weight = 4,5 kg maximum for each shelf support

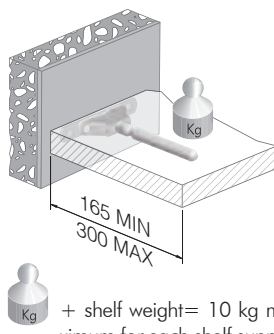
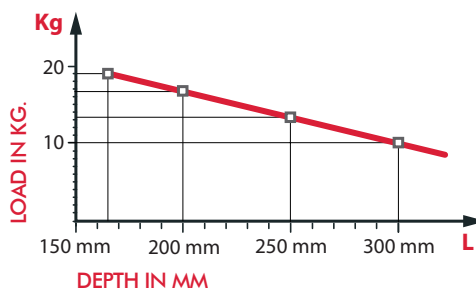
For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.


BRACKET FOR TRIADE MINI

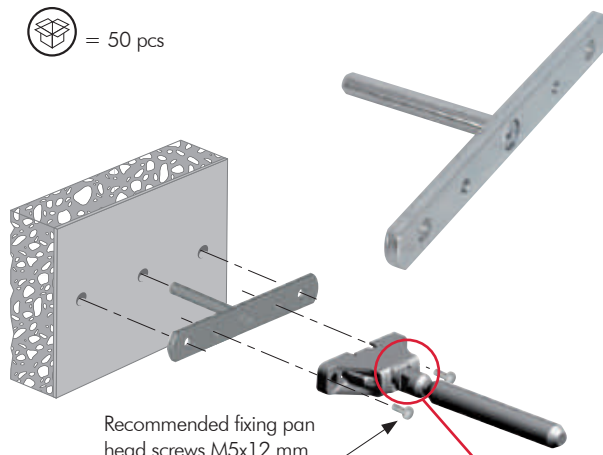
ARTICLE NO. (*special order)	FINISH/COLOUR
283.39.022	Steel zinc-plated.

Minimum Order Quantity  = 50 pcs

COMBINATION SHELF LOAD AND SHELF DEPTH (The figures refer to 1 shelf support)



 + shelf weight = 10 kg maximum for each shelf support



Recommended fixing pan head screws M5x12 mm.

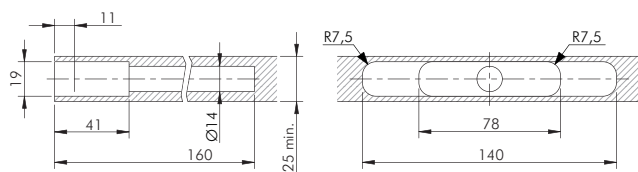
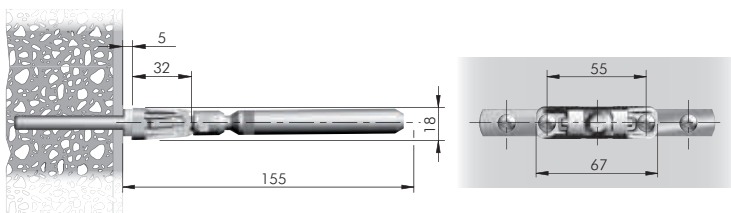
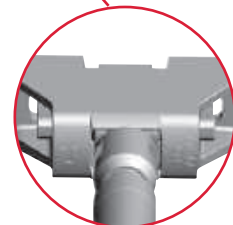
VERY IMPORTANT

- The capacity loading data stated in the chart refers to Triade Mini used in combination with the related wall bracket.

- It is strongly recommended to use the Triade Mini in combination with the related wall bracket, otherwise Italiana Ferramenta will not be held responsible for any failure.


For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

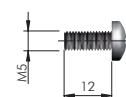
VERY IMPORTANT: Triade has to be installed with the writing "TOP-ALTO" facing upwards.



PAN HEAD SCREW M5 x 12 mm

013.09.008 - Steel zinc-plated.

 = 2 pcs each bracket





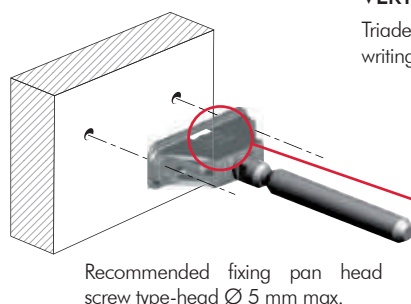
- ▶ Concealed and structural shelf support system for free-standing shelves, conceived to simplify the shelf installation.
- ▶ It is available in four versions:
 - TRIADE Mini for minimum 25 mm thickness.
 - **TRIADE for 30 to 40 mm thickness.**
 - TRIADE MAXI for minimum 40 mm thickness.
 - TRIADE XXL for honeycomb/lightweight panels minimum 40 mm thickness.
- ▶ Features three independent adjustments:
 - vertical: for perfect alignment of the brackets against the wall.
 - lateral: to compensate drilling leeway and to easily mount the shelf.
 - inclination: to be carried out with an open-ended wrench key when the shelf is partially inserted. Shelf angle is adjusted front to back extremely quickly.
- ▶ High Capacity Loading, see related charts.
- ▶ Complement BRACKET for each TRIADE version to enhance the capacity loading and the shelf stability by evenly distributing the shelf load on the wall.
- ▶ Zinc alloy and steel.



PAT. PENDING

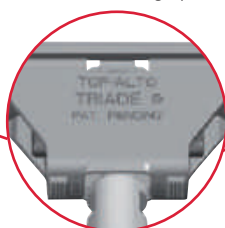
INSTALLATION

WOOD PANEL

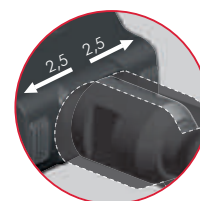
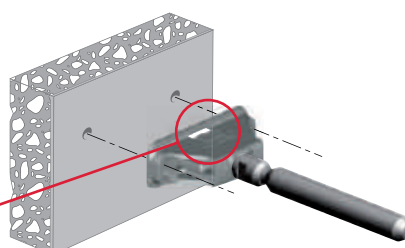


VERY IMPORTANT

Triade has to be installed with the writing "TOP - ALTO" facing upwards.

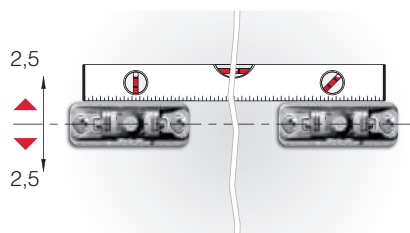


SOLID AND PLASTERBOARD PANEL



VERTICAL ADJUSTMENT

Align brackets vertically accordingly.

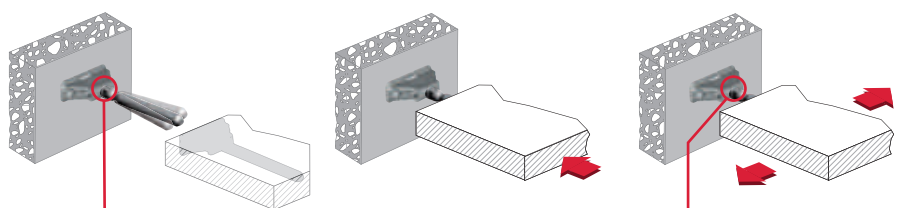


SHELF INSERTING AND LATERAL ADJUSTMENT

Tilt the shelf to match both supporting pins and shelf housings.

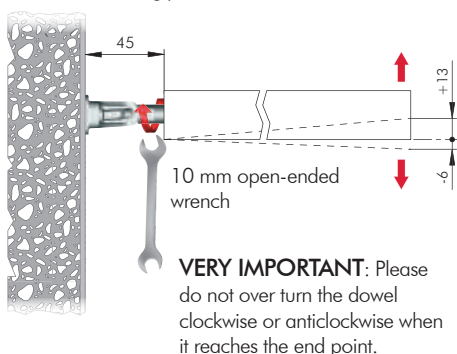
Insert partially the shelf.

Adjust the shelf laterally according to the application (i.e. multishelf composition).



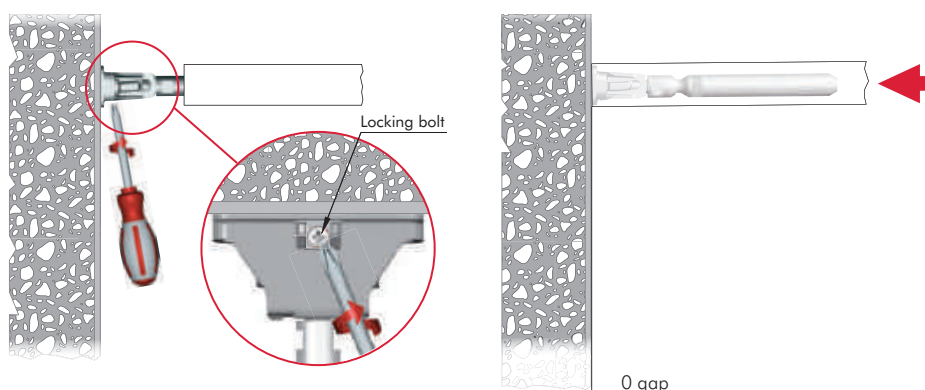
INCLINATION ADJUSTMENT

Turn clockwise the supporting pin with a 10 mm open-ended wrench to adjust the shelf angle front to back accordingly.



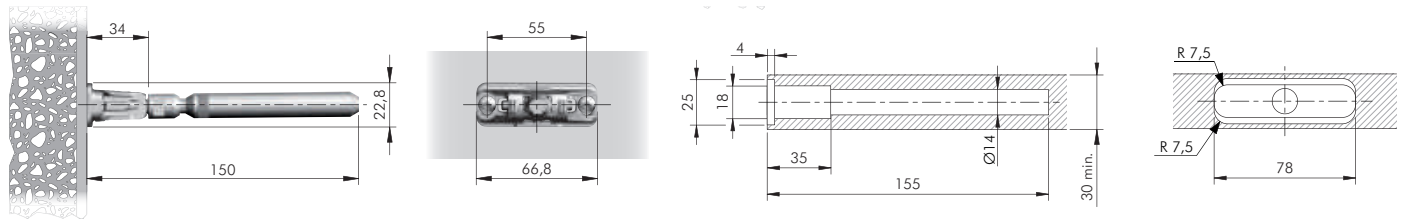
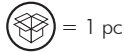
PIN LOCKING AND SHELF INSERTING

Push the shelf against the wall until the end.

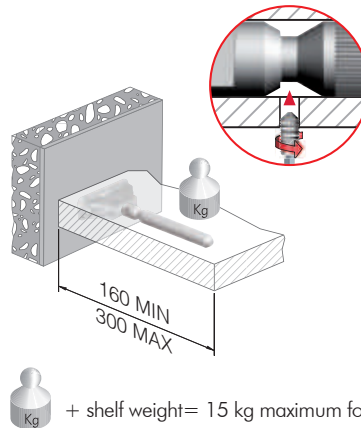
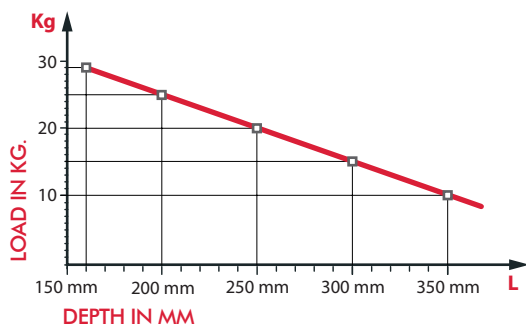


TRIADE

283.39.010 - Raw zinc alloy and steel zinc-plated.



COMBINATION SHELF LOAD AND SHELF DEPTH (The figures refer to 1 shelf support)



Optional security locking with M4 grub screw placed underneath in alignment with the cavity. For details refer to section "Triade System optional security locking".



Kg + shelf weight = 15 kg maximum for each shelf support

For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

BRACKET FOR TRIADE

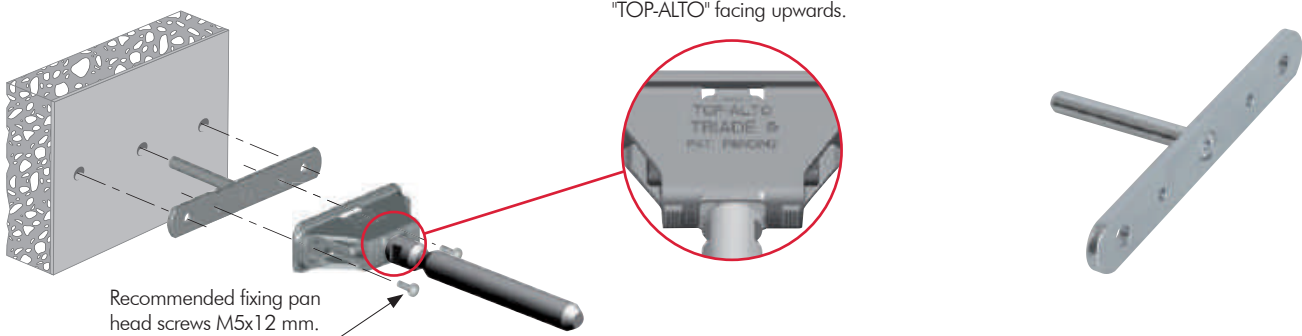
283.39.019 - Steel zinc-plated.



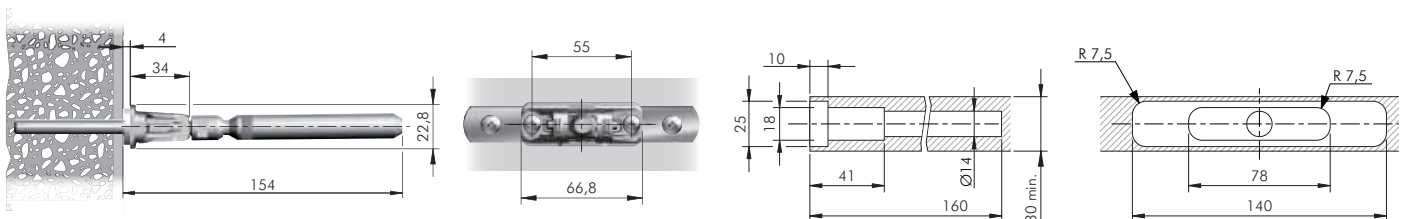
Complement BRACKET to enhance the capacity loading and the shelf stability by evenly distributing the shelf load on the wall.

VERY IMPORTANT

Triade has to be installed with the writing "TOP-ALTO TRIADE" facing upwards.

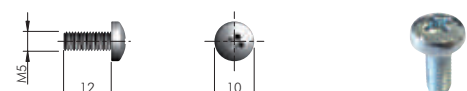
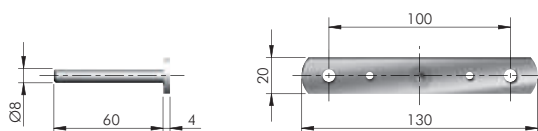
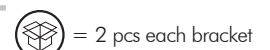


For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.



PAN HEAD SCREW M5 x 12 mm

013.09.008 - Steel zinc-plated.





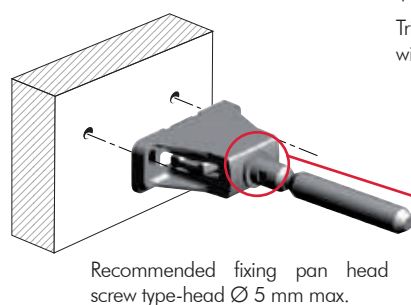
- ▶ Concealed and structural shelf support system for free-standing shelves, conceived to simplify the shelf installation.
- ▶ It is available in four versions:
 - TRIADE Mini for minimum 25 mm thickness.
 - TRIADE for 30 to 40 mm thickness.
 - **TRIADE MAXI for minimum 40 mm thickness.**
 - TRIADE XXL for honeycomb/lightweight panels minimum 40 mm thickness.
- ▶ Features three independent adjustments:
 - vertical: for perfect alignment of the brackets against the wall.
 - lateral: to compensate drilling leeway and to easily mount the shelf.
 - inclination: to be carried out with an open-ended wrench key when the shelf is partially inserted. Shelf angle is adjusted front to back extremely quickly.
- ▶ High Capacity Loading, see related charts.
- ▶ Complement BRACKET for each TRIADE version to enhance the capacity loading and the shelf stability by evenly distributing the shelf load on the wall.
- ▶ Zinc alloy and steel.



PAT. PENDING

INSTALLATION

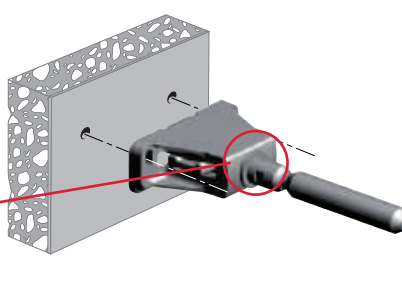
WOOD PANEL



VERY IMPORTANT

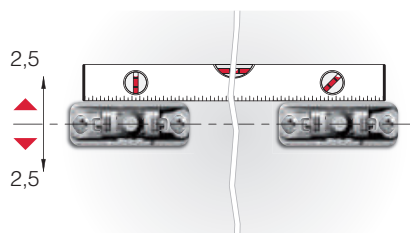
Triade Maxi has to be installed with the arrow facing upwards.

SOLID AND PLASTERBOARD PANEL



VERTICAL ADJUSTMENT

Align brackets vertically accordingly.

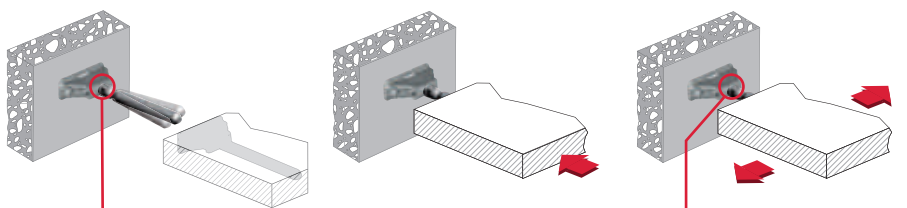


SHELF INSERTING AND LATERAL ADJUSTMENT

Tilt the shelf to match both supporting pins and shelf housings.

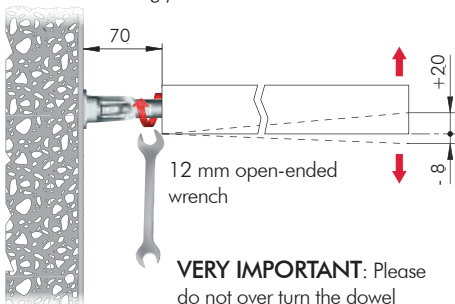
Insert partially the shelf.

Adjust the shelf laterally according to the application (i.e. multishelf composition).



INCLINATION ADJUSTMENT

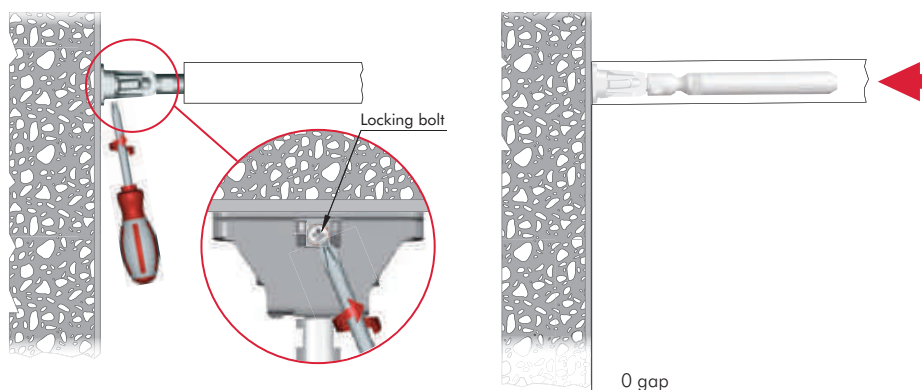
Turn clockwise the supporting pin with a 12 mm open-ended wrench to adjust the shelf angle front to back accordingly.



VERY IMPORTANT: Please do not over turn the dowel clockwise or anticlockwise when it reaches the end point.

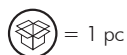
PIN LOCKING AND SHELF INSERTING

Push the shelf against the wall until the end.



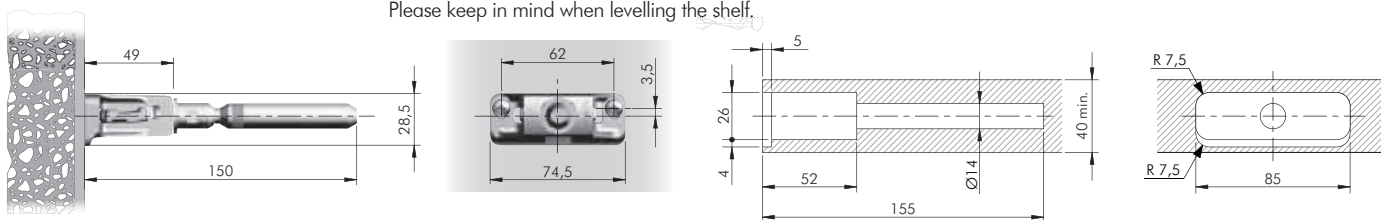
TRIADE MAXI

283.39.012 - Raw zinc alloy and steel zinc-plated.



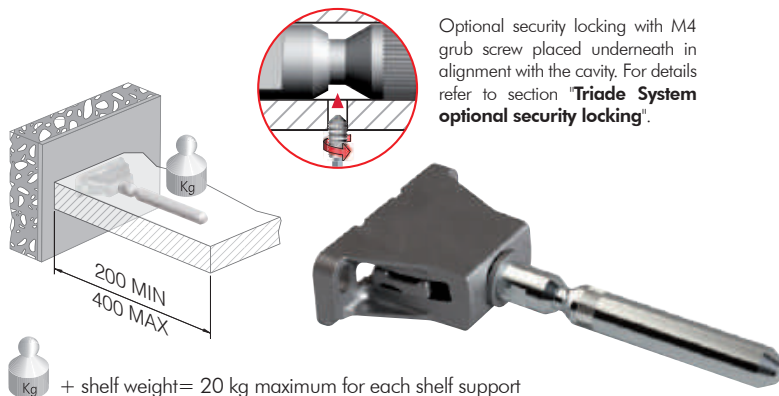
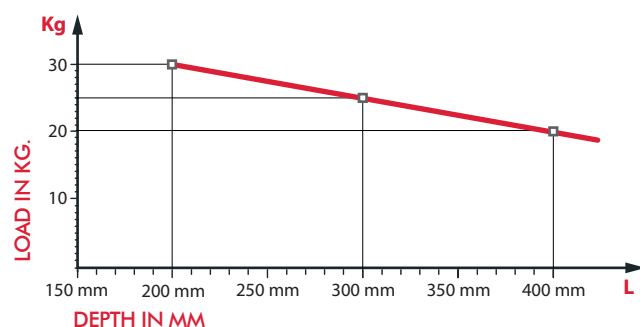
VERY IMPORTANT

Centre of the hole is shifted 3,5 mm upwards.
Please keep in mind when levelling the shelf.



COMBINATION SHELF LOAD AND SHELF DEPTH

(The figures refer to 1 shelf support)



Kg + shelf weight = 20 kg maximum for each shelf support

For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

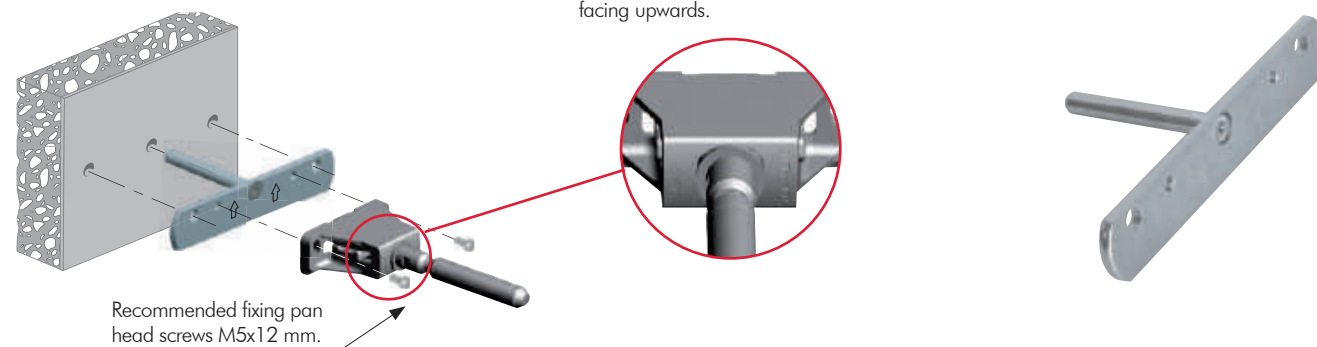
BRACKET FOR TRIADE MAXI AND TRIADE XXL

283.39.021 - Steel zinc plated.

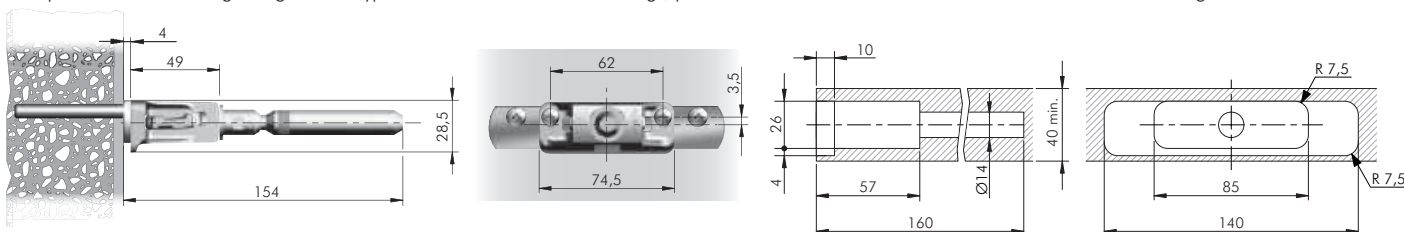


Complement BRACKET to enhance the capacity loading and the shelf stability by evenly distributing the shelf load on the wall.

VERY IMPORTANT: Triade Maxi has to be installed with the writing "TOP-ALTO" facing upwards.

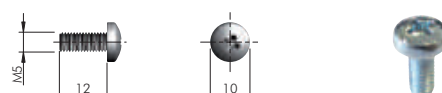
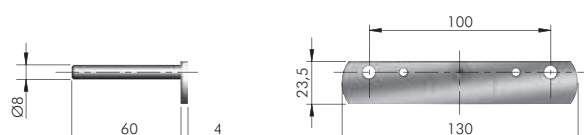
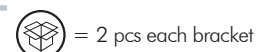


For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

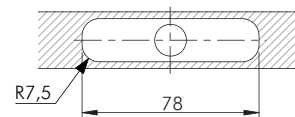
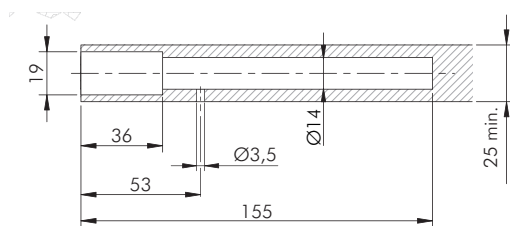


PAN HEAD SCREW M5 x 12 mm

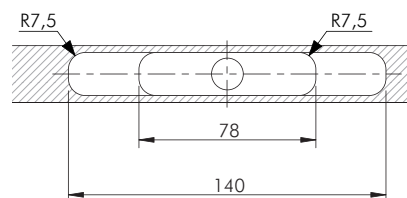
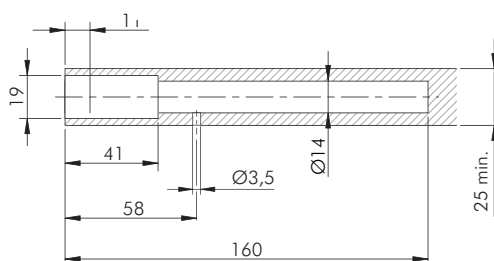
013.09.008 - Steel zinc-plated.



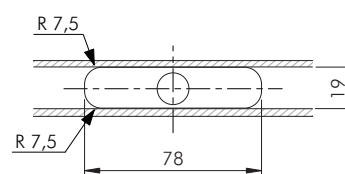
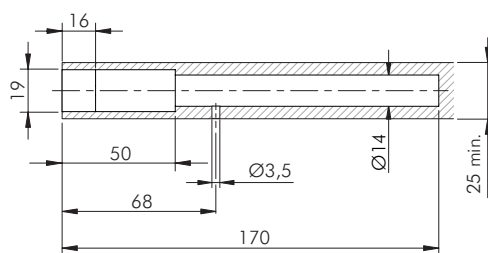
TRIADE MINI



TRIADE MINI WITH BRACKET

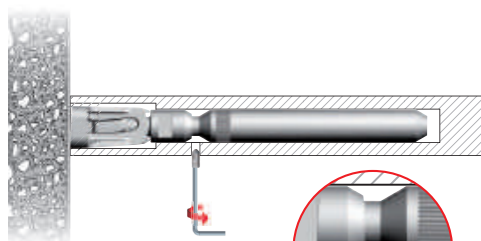


TRIADE MINI WITH ALUMINIUM PROFILE

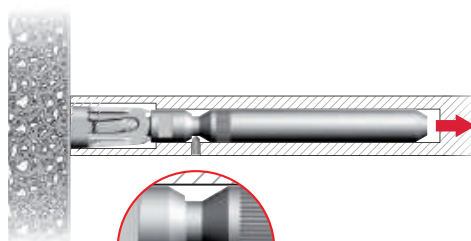
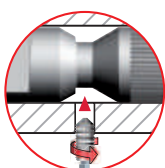


GRUB SCREW M4

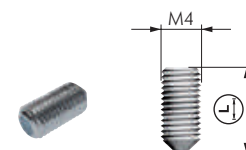
Steel zinc-plated.



S2 mm allen wrench



M4 Grub screw



ARTICLE NO.

*special article

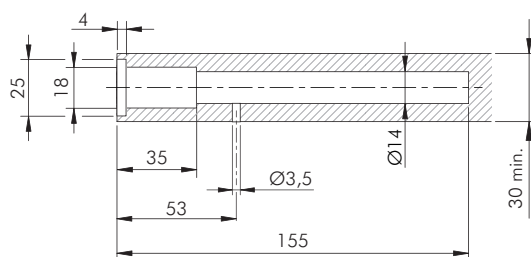
Minimum Order Quantity

8

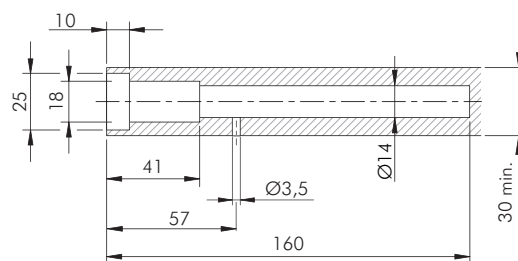
25

100 pcs

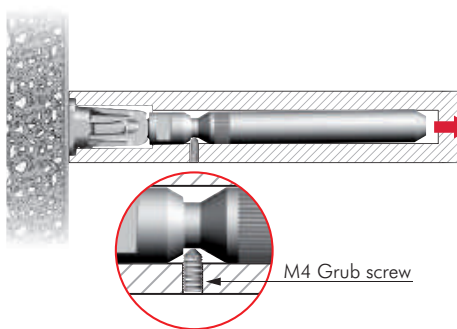
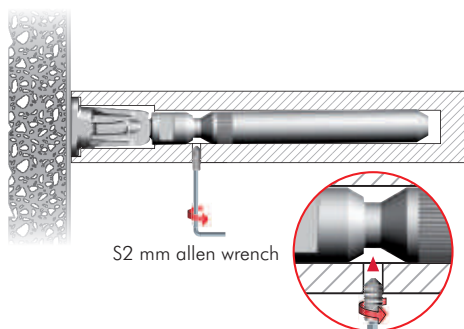
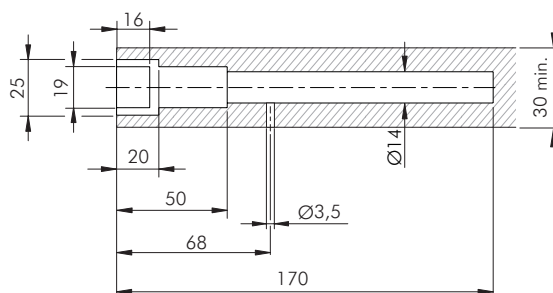
TRIADE



TRIADE WITH BRACKET

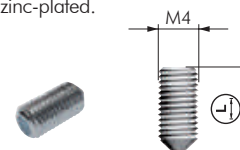


TRIADE WITH ALUMINIUM PROFILE



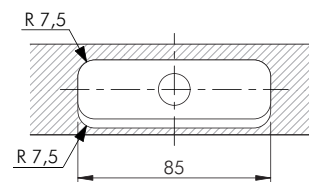
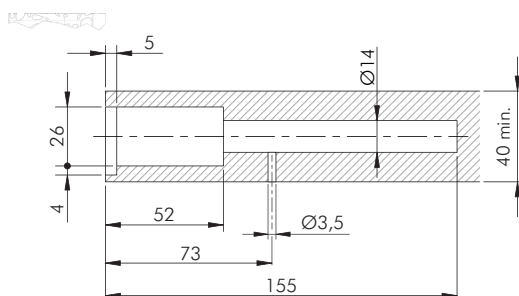
GRUB SCREW M4

Steel zinc-plated.

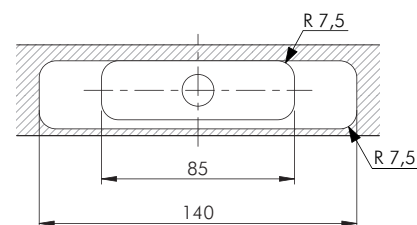
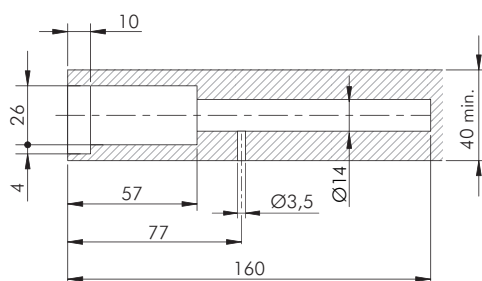


ARTICLE NO.	Minimum Order Quantity	10	30	100 pcs
*special article				
ARTICLE NO.	Minimum Order Quantity	16	40	100 pcs
*special article				

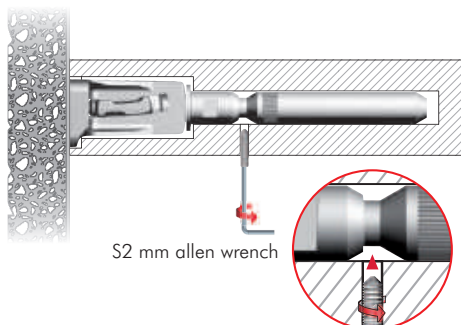
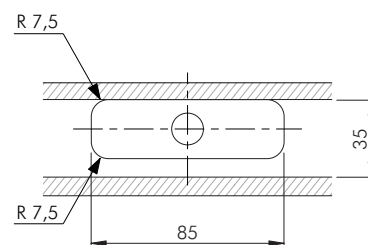
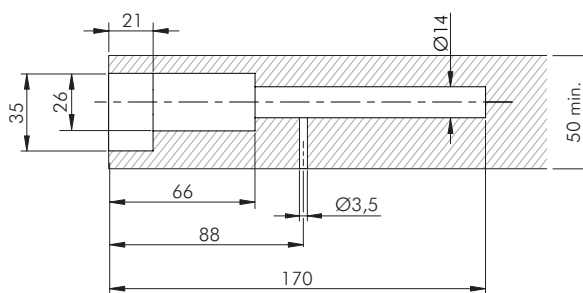
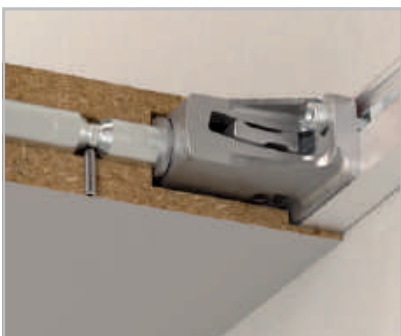
TRIADE MAXI



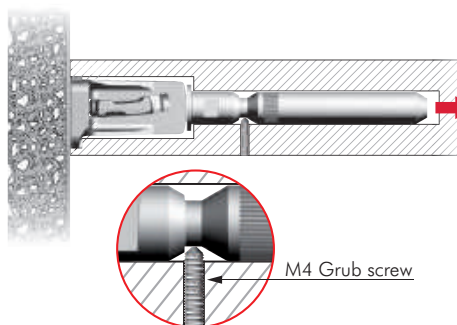
TRIADE MAXI WITH BRACKET



TRIADE MAXI WITH ALUMINIUM PROFILE



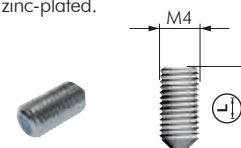
S2 mm allen wrench



M4 Grub screw

GRUB SCREW M4

Steel zinc-plated.



ARTICLE NO.

*special article

Minimum Order Quantity

ARTICLE NO.

*special article

Minimum Order Quantity



16



40



100 pcs

20

50

100 pcs

DRILLING JIG TRIADE - EQUIPPED CASE

SPECIAL ORDER

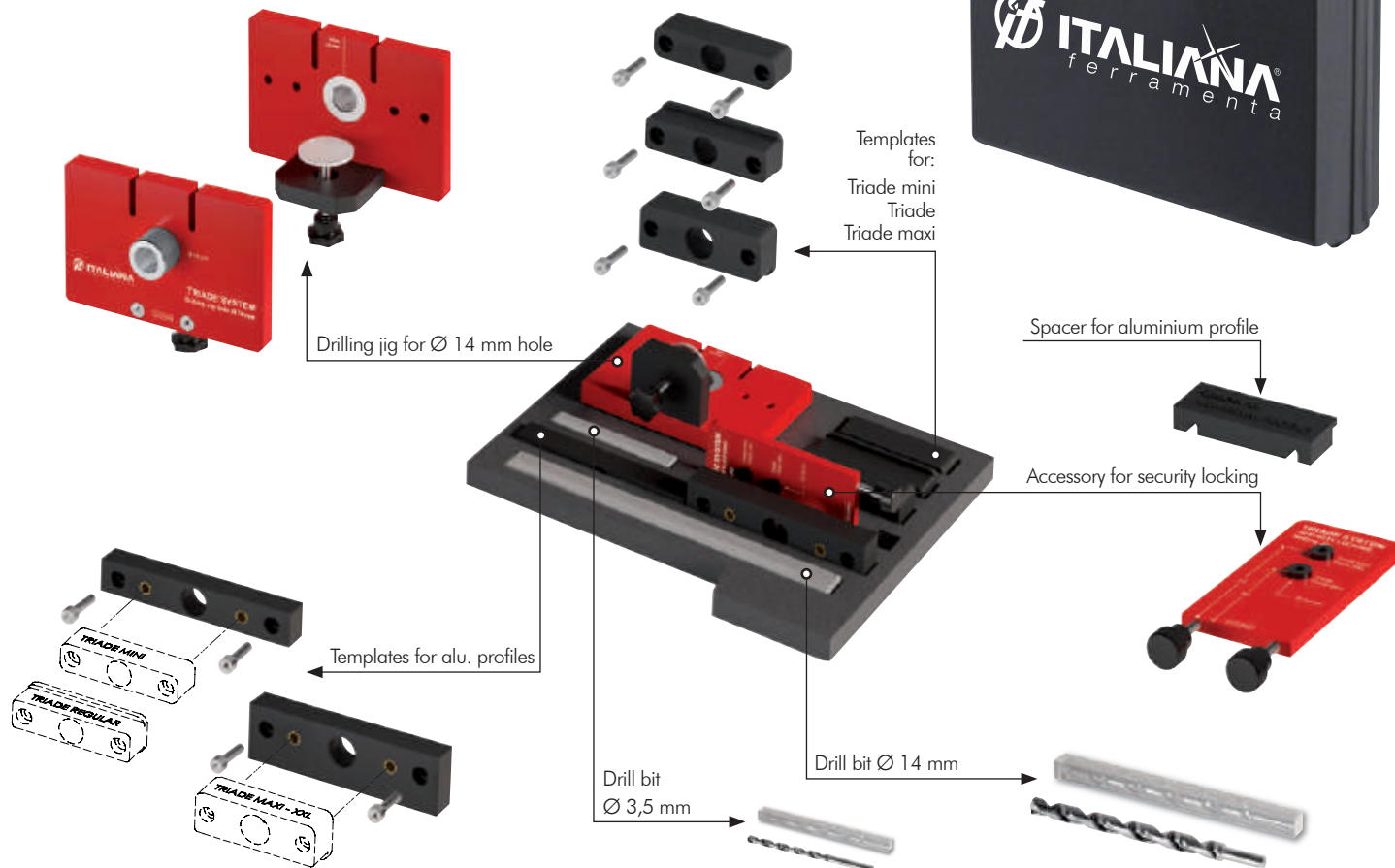
H^AFELE

DRILLING JIG TRIADE - EQUIPPED FULL SET

ARTICLE NO. (*special order)	FINISH/COLOUR
356.12.091	Aluminium, steel and plastic.

Minimum Order Quantity  = 1 case


The case includes instruction sheet and the following parts:



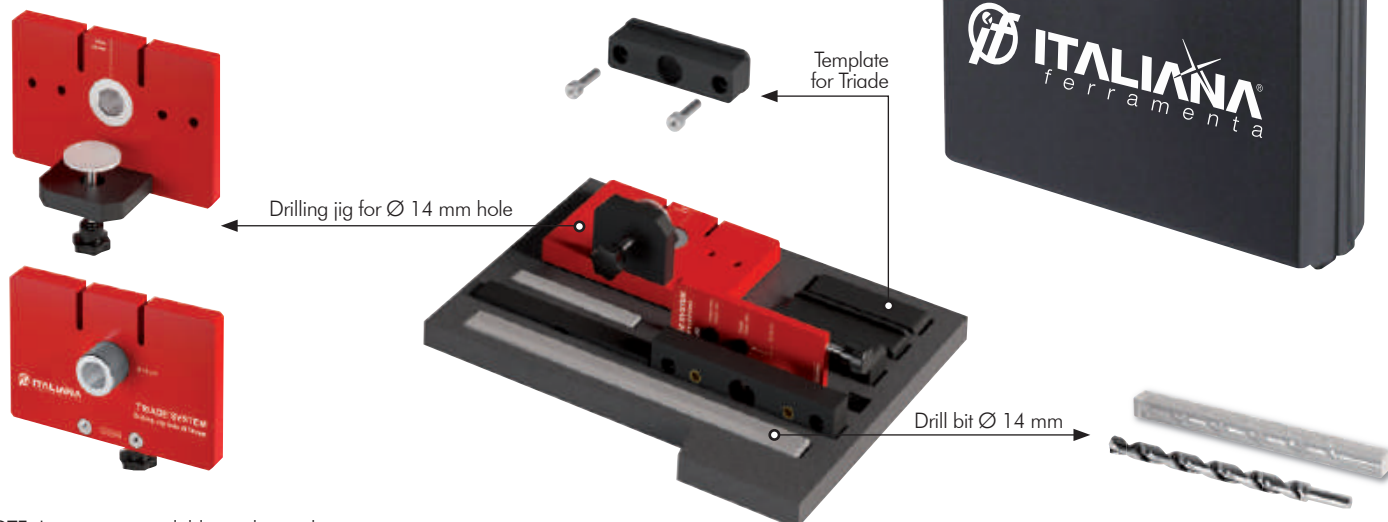
NOTE: Loose parts available on demand.

DRILLING JIG TRIADE - EQUIPPED PARTIAL SET FOR TRIADE ONLY

ARTICLE NO.	FINISH/COLOUR
*special article	Aluminium, steel and plastic.

Minimum Order Quantity  = 1 case

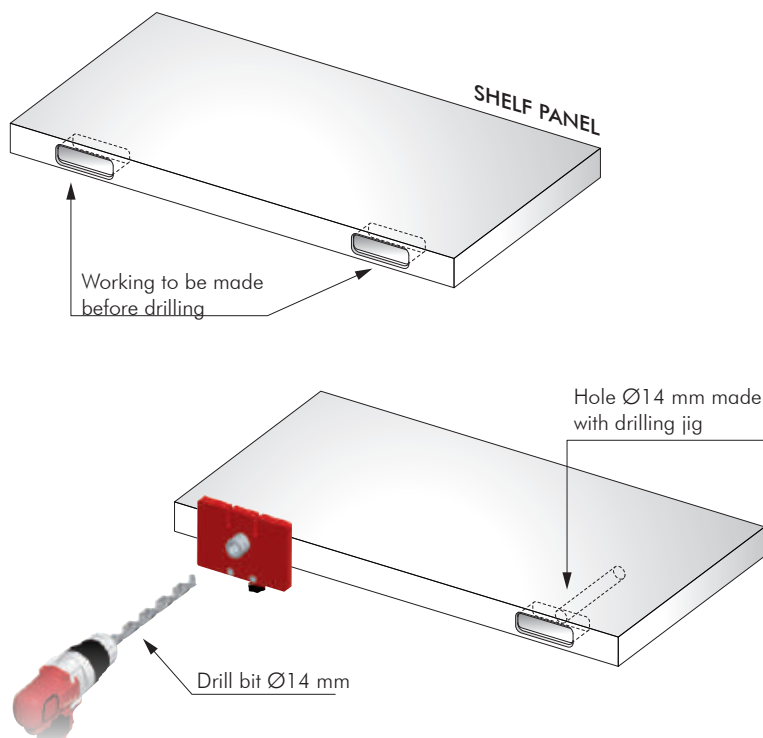
The case includes instruction sheet and the following parts:



NOTE: Loose parts available on demand.



GENERAL SPECIFICATIONS



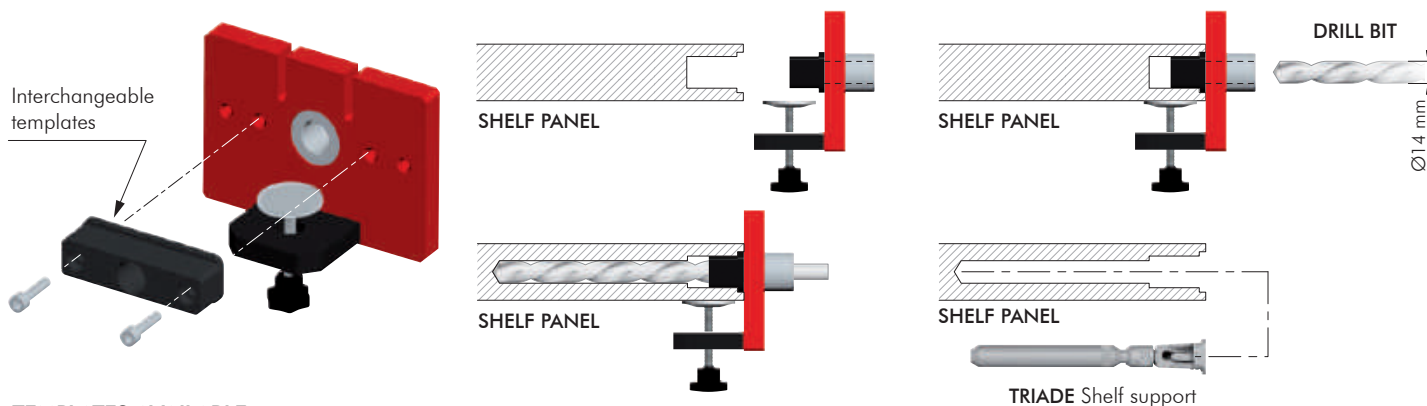
DRILL BITS

High speed steel.

- For drilling jig we recommend to use precision ground steel drill bit HSS-G.



APPLICATION

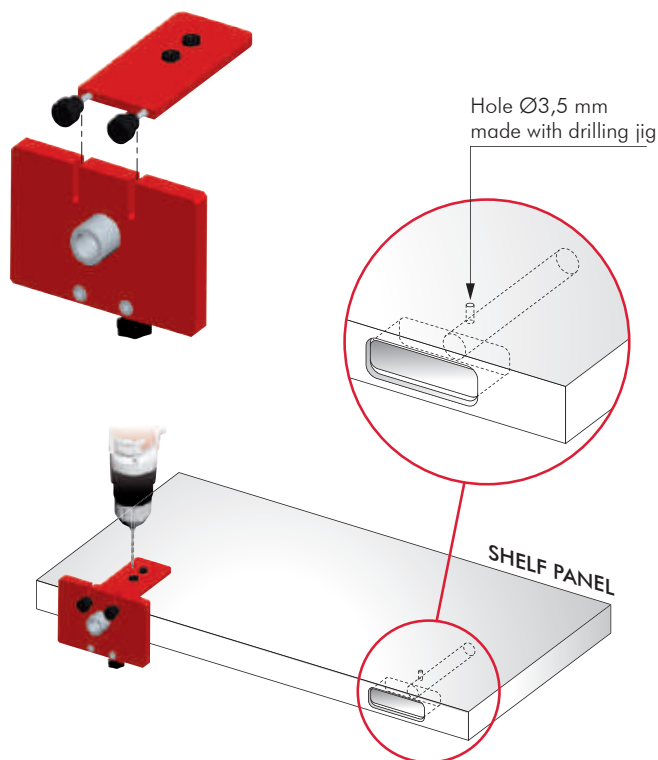


TEMPLATES AVAILABLE

TEMPLATE FOR TRIADE MINI Part no. Y0JG013500	TEMPLATE FOR TRIADE Part no. Y0JG013600	TEMPLATE FOR TRIADE MAXI Part no. Y0JG013700	TEMPLATE FOR TRIADE MINI AND TRIADE ALUMINIUM PROFILE Part no. Y0JG013800	TEMPLATE FOR TRIADE MAXI ALUMINIUM PROFILE Part no. Y0JG013900
Triade Mini	Triade	Triade Maxi	Alu. profile for Triade Mini and Triade	Alu. profile for Triade Maxi
Triade Mini and Bracket	Triade and Bracket	Triade Maxi and Bracket	Triade Mini	Triade Maxi



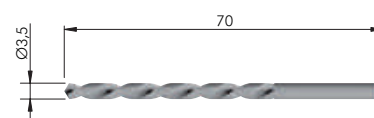
GENERAL SPECIFICATIONS



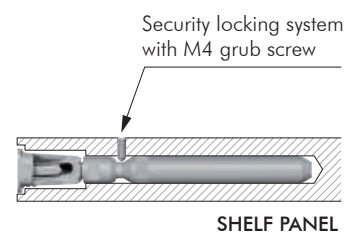
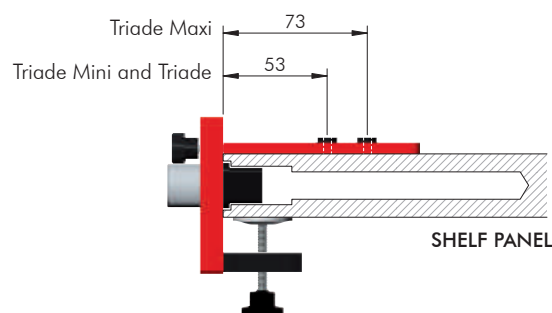
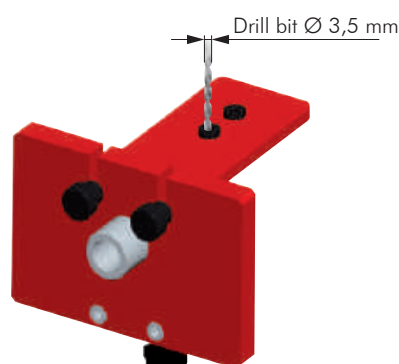
DRILL BITS

High speed steel.

- For drilling jig we recommend to use precision ground steel drill bit HSS-G.



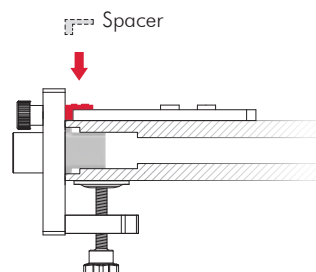
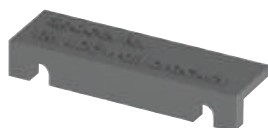
APPLICATION



SPACERS AVAILABLE

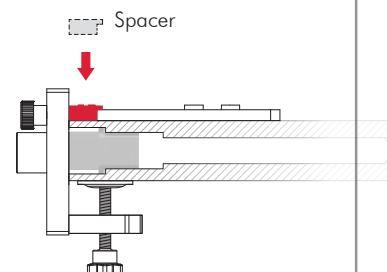
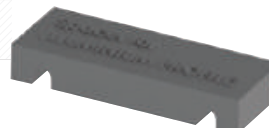
SPACER FOR TRIADE WALL BRACKETS

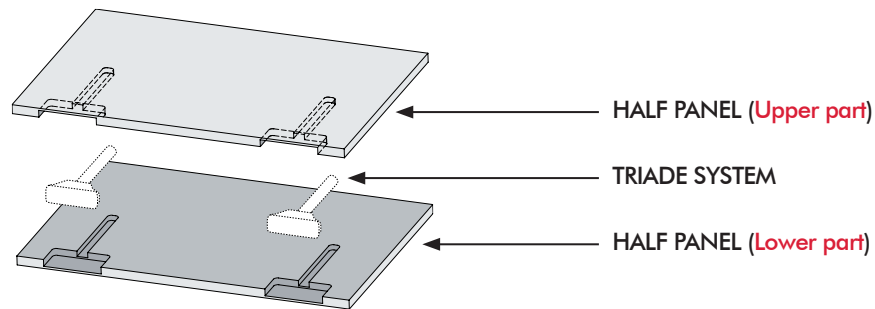
Part no. Y0JG054900



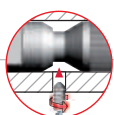
SPACER FOR TRIADE ALUMINIUM PROFILES

Part no. Y0JG055000





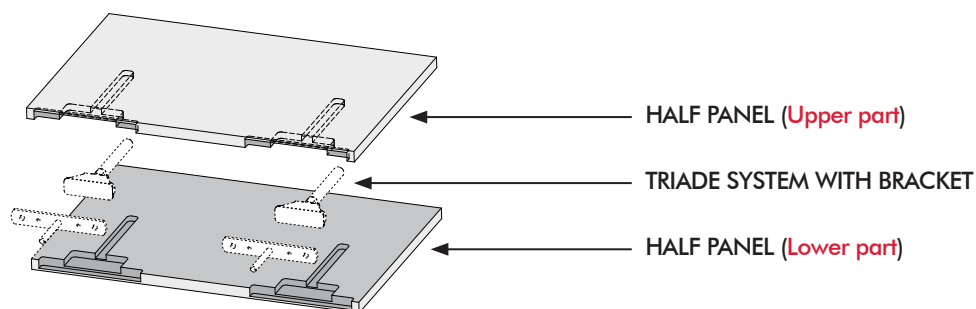
TRIADE VERSION	UPPER PART - Drilling plan	LOWER PART - Drilling plan
TRIADE MINI 		
TRIADE 		
TRIADE MAXI 		
TRIADE XXL 		



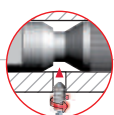
Optional security locking with M4 grub screw placed underneath in alignment with the cavity. For details refer to section "Triade System optional security locking".

SANDWICH PANEL CONSTRUCTION

Triade System with bracket



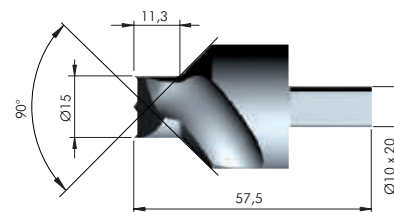
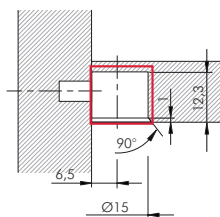
TRIADE VERSION	UPPER PART - Drilling plan	LOWER PART - Drilling plan
TRIADE MINI + BRACKET		
TRIADE + BRACKET		
TRIADE MAXI + BRACKET		
TRIADE XXL + BRACKET		



Optional security locking with M4 grub screw placed underneath in alignment with the cavity. For details refer to section "Triade System optional security locking".

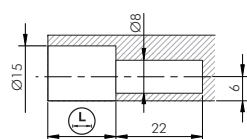
UNICO

PART.NO
*special article

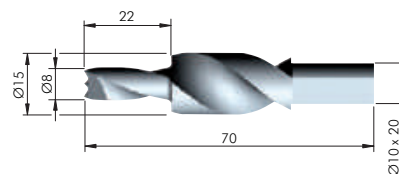


KINTAI

PART.NO	
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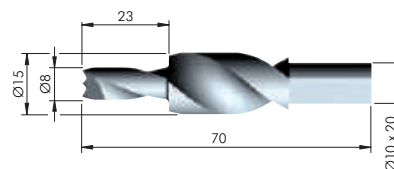
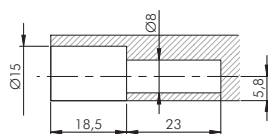


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	15



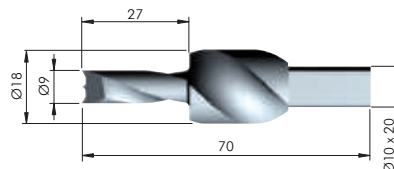
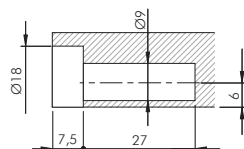
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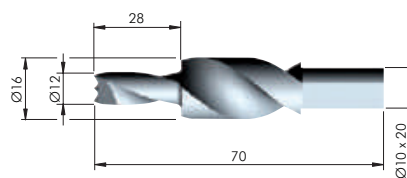
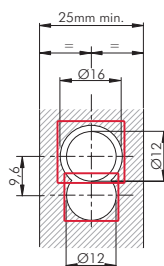
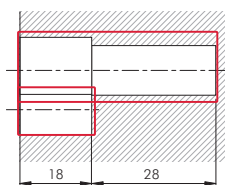
TRIS 18 mm THICK MINIMUM

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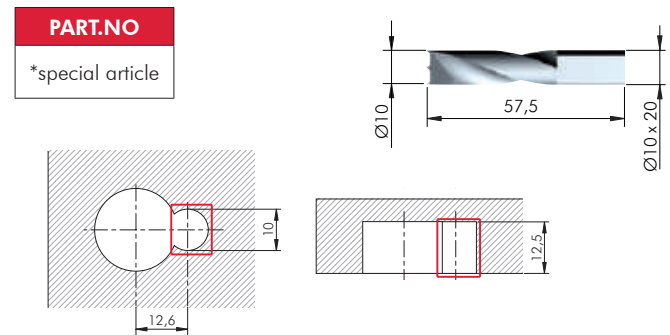
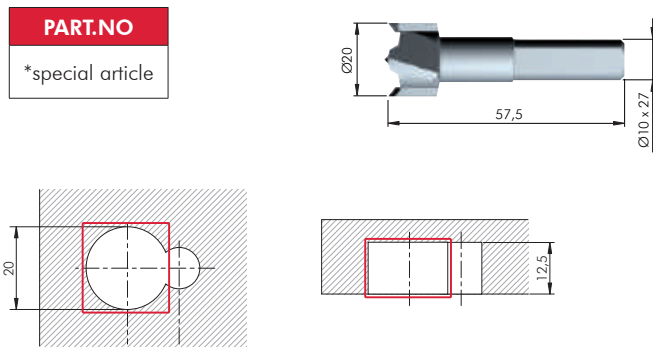


SECRET SHELF SUPPORT

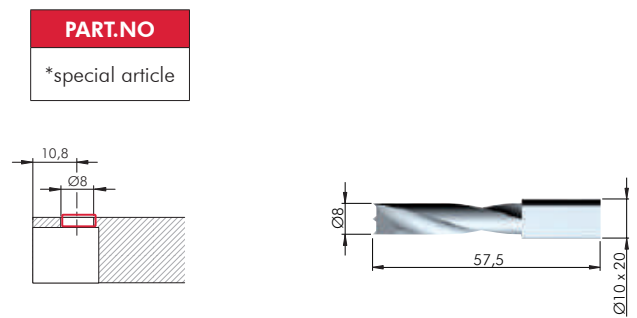
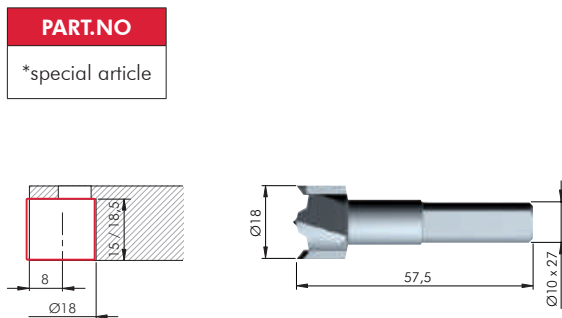
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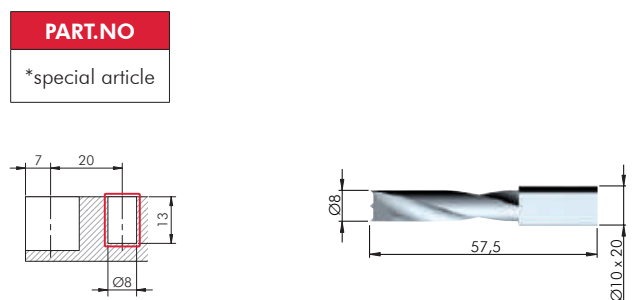
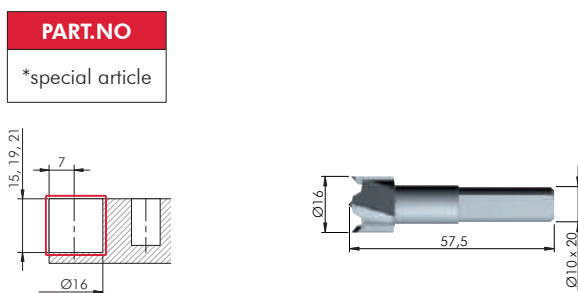
SECRET SIDE BUSH



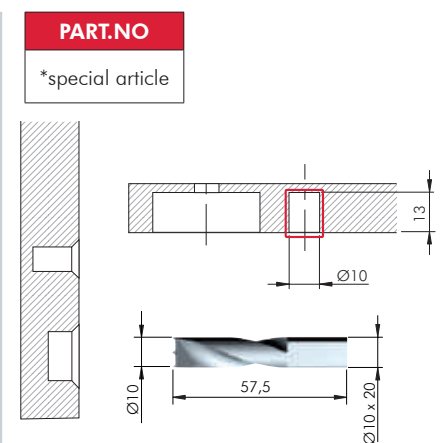
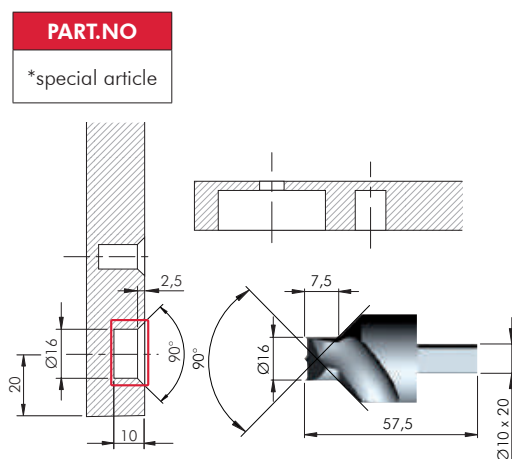
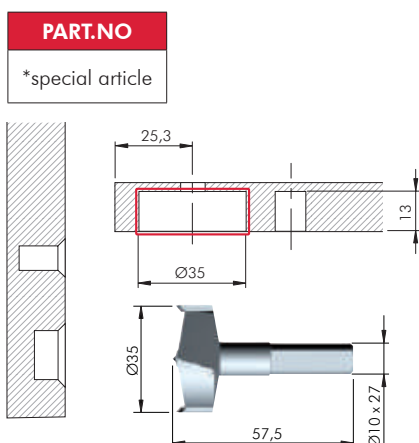
PK2 18, 19 AND 25 mm THICK MINIMUM



ELEFANT 18, 19 AND 25 mm THICK

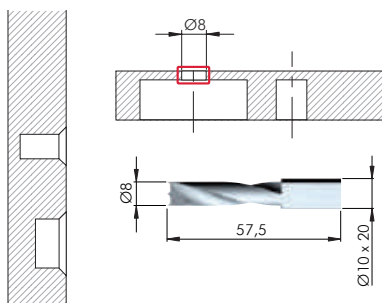


ATACAMA J

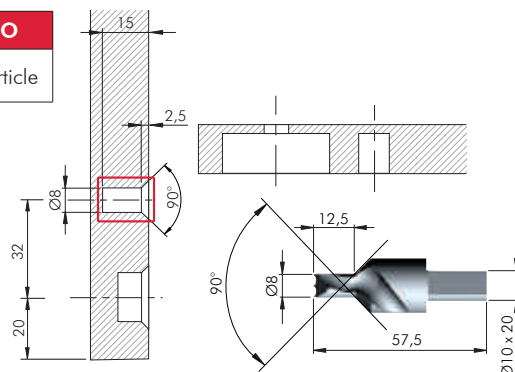


ATACAMA J

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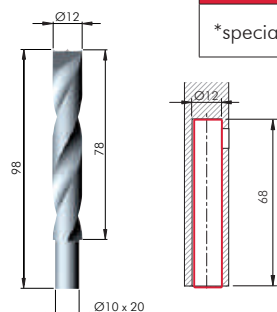


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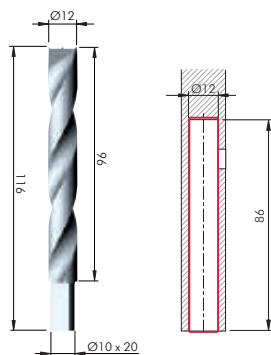
REKORD 12 H 52 mm

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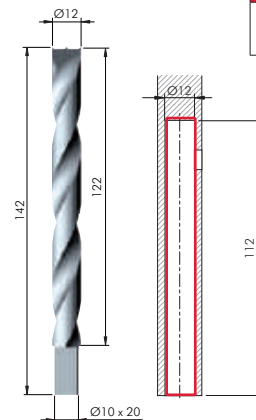
REKORD 12 H 70 mm

PART.NO
*special article



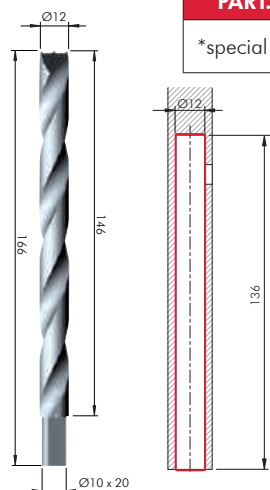
REKORD 12 H 96 mm

PART.NO
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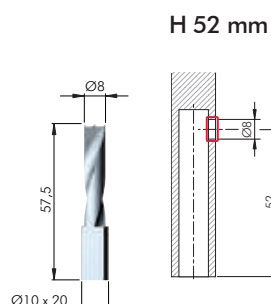
REKORD 12 H 120 mm

PART.NO
*special article

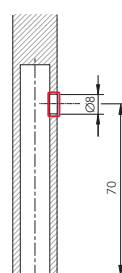


REKORD 12 H 52 mm, H 70 mm, H 96 mm AND H 120 mm

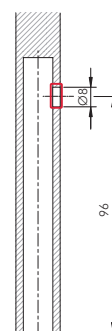
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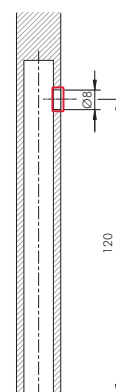
H 70 mm



H 96 mm

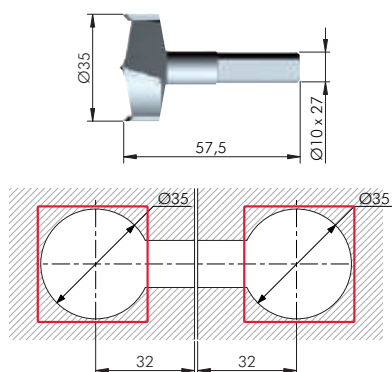


H 120 mm

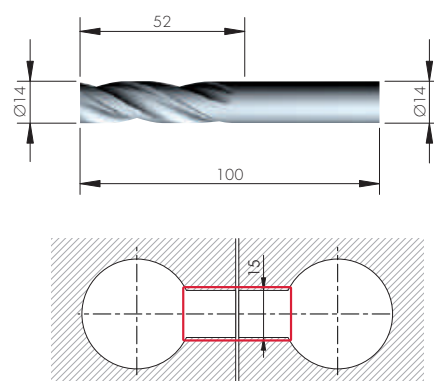


QUICK Ø35

PART.NO
*special article



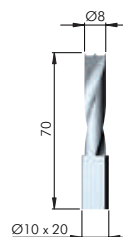
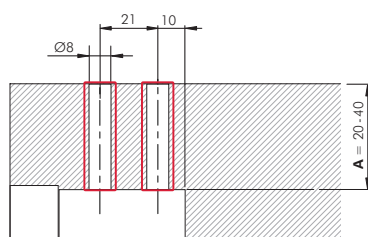
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LIKU

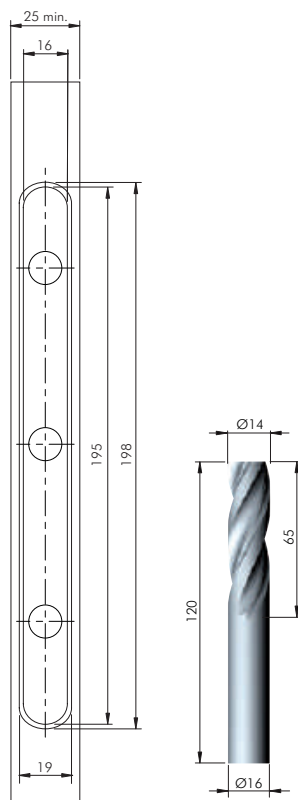
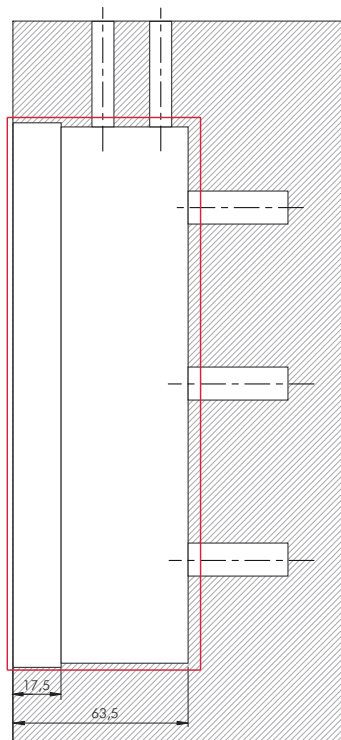
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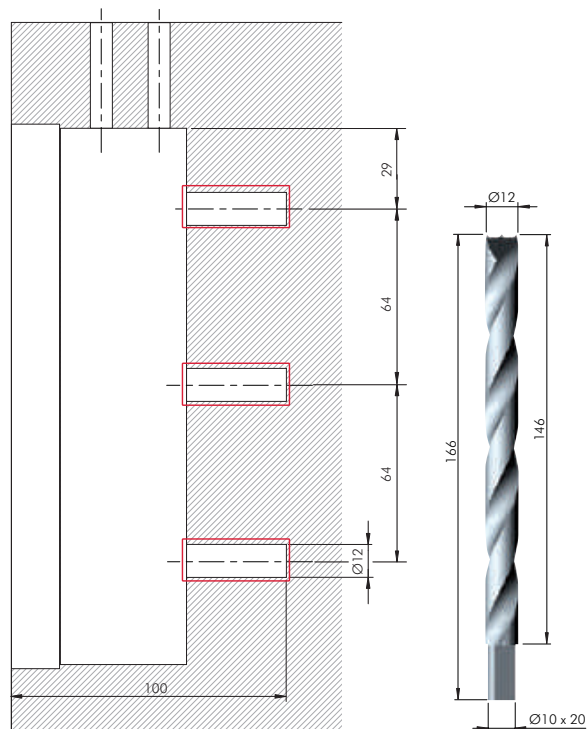
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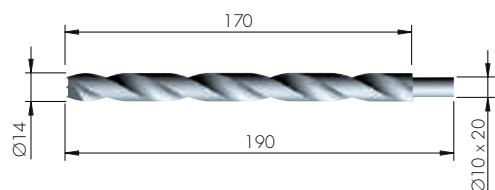
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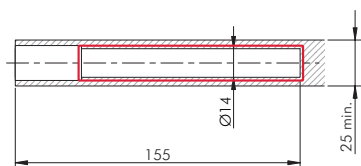
TRIADE MINI, TRIADE, TRIADE MAXI AND BRACKET

PART.NO

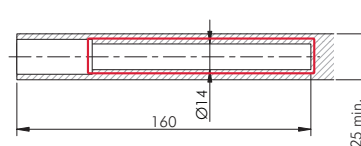
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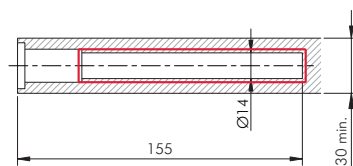
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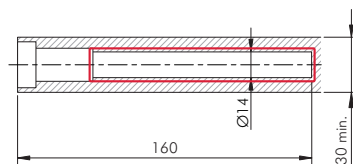
Triade Mini and bracket



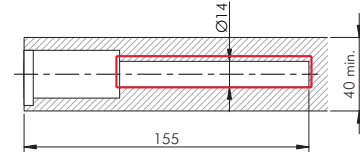
Triade



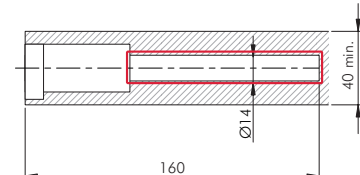
Triade and bracket



Triade Maxi

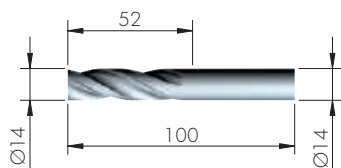


Triade Maxi and bracket

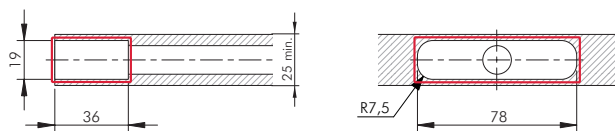


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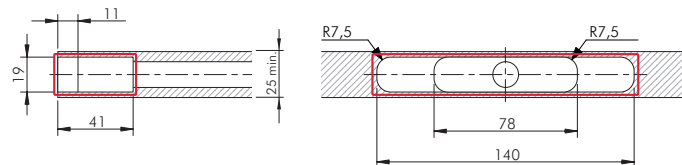
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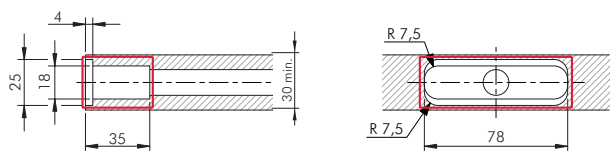
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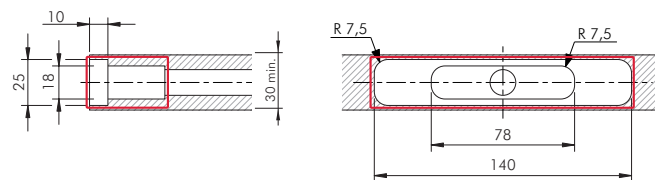
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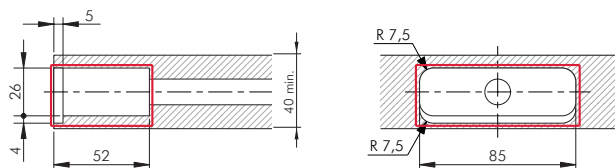
Triade



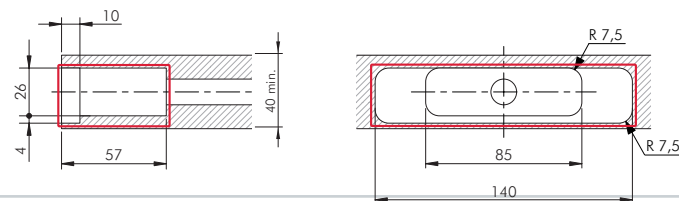
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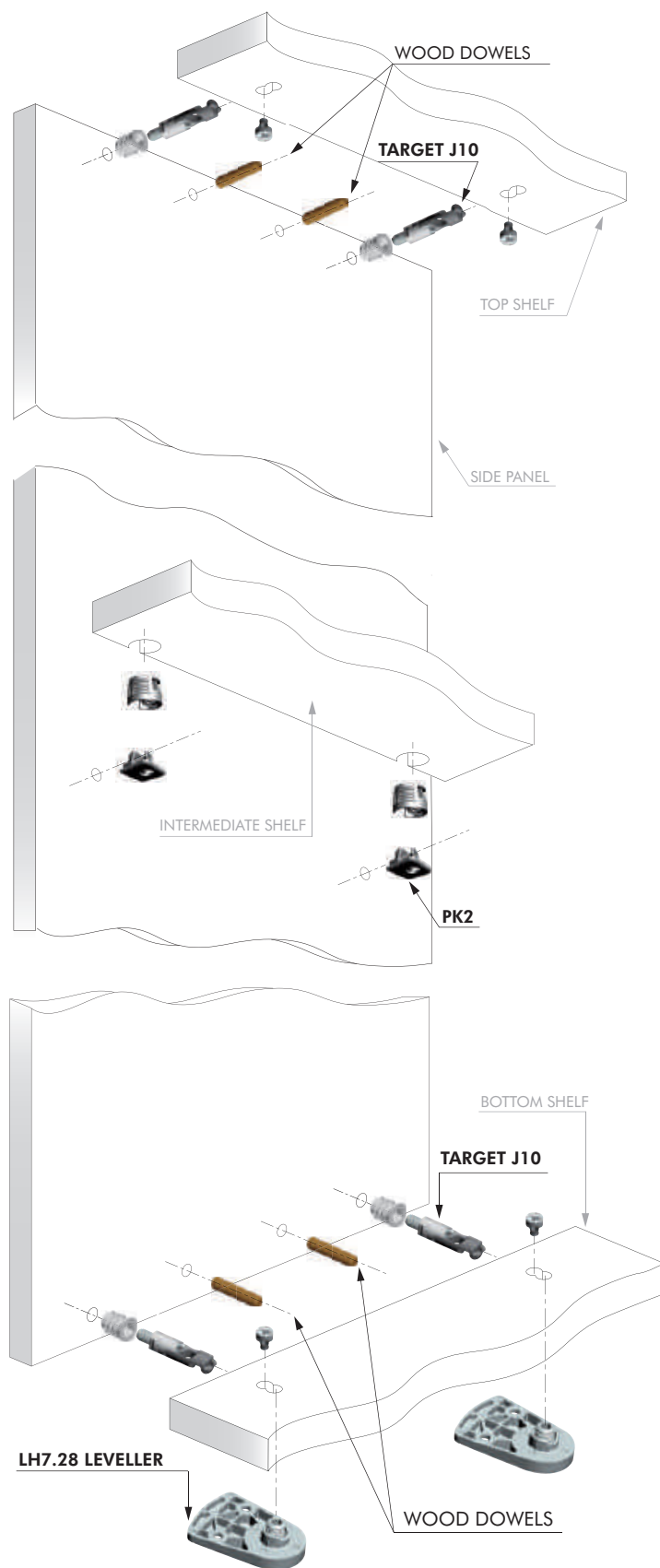
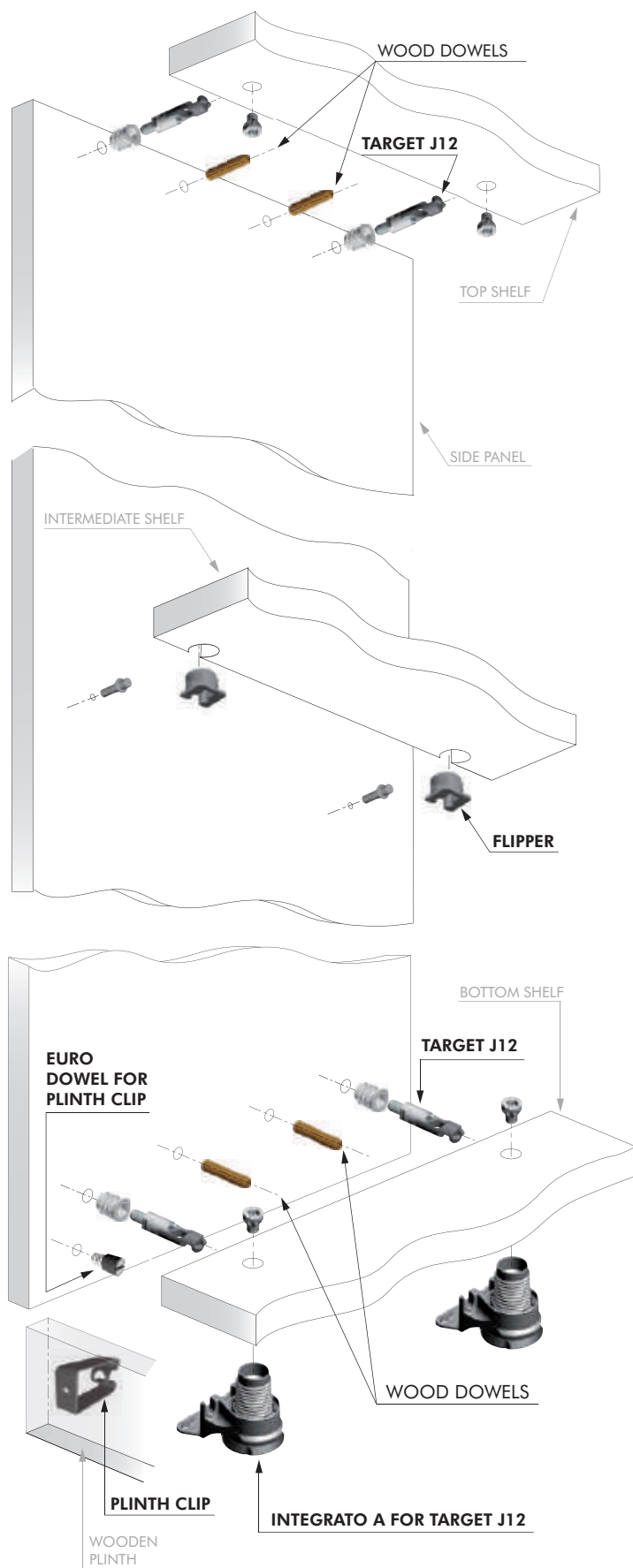


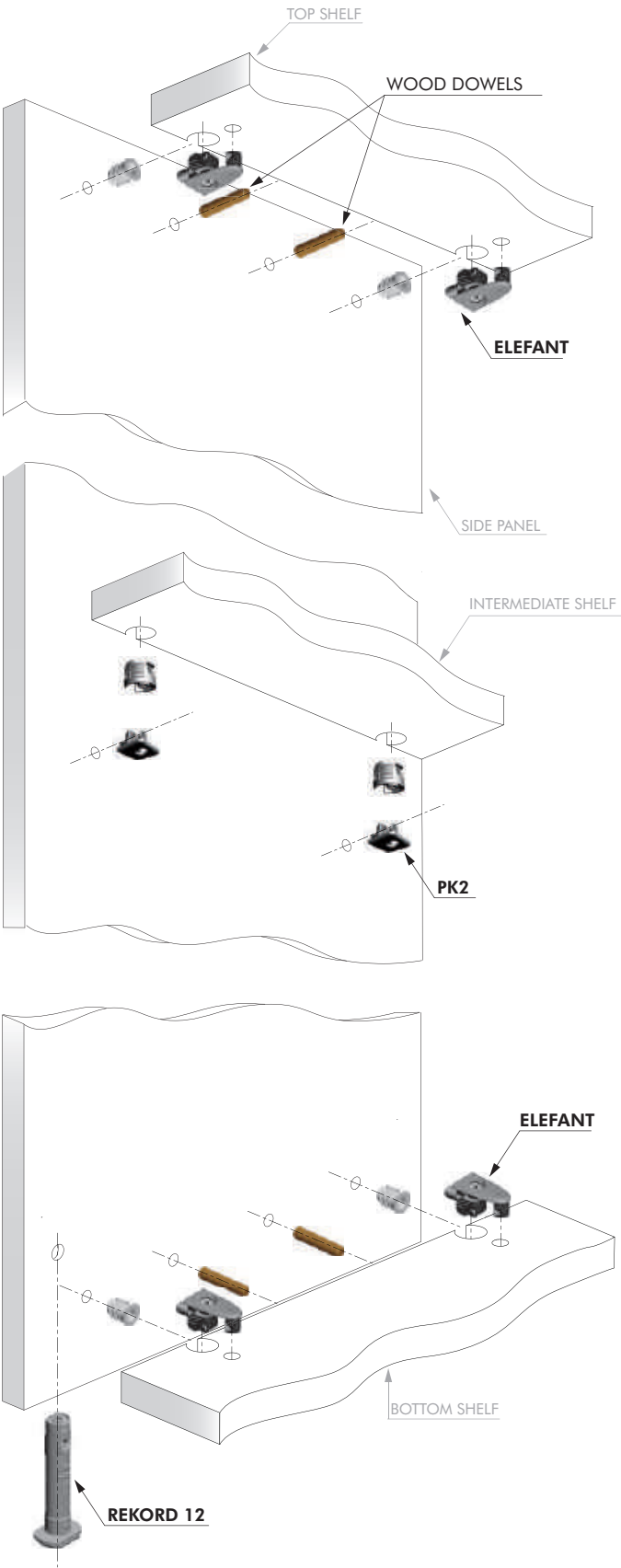
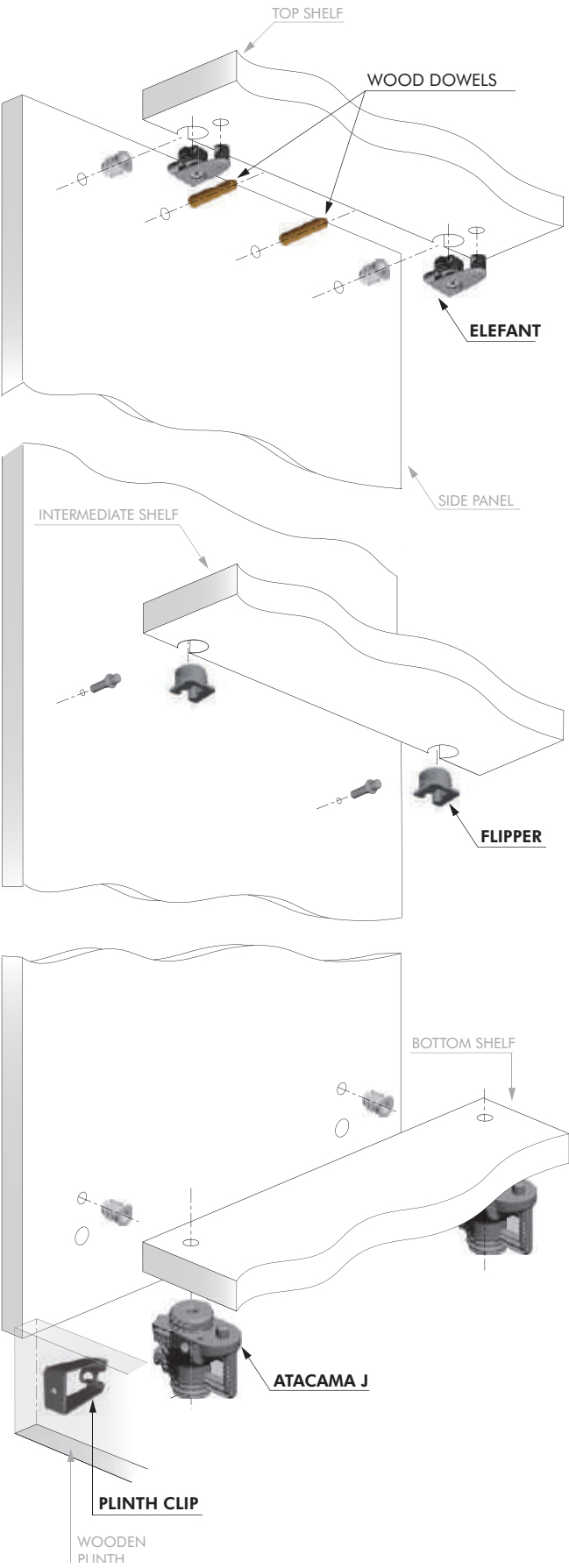
Triade Maxi

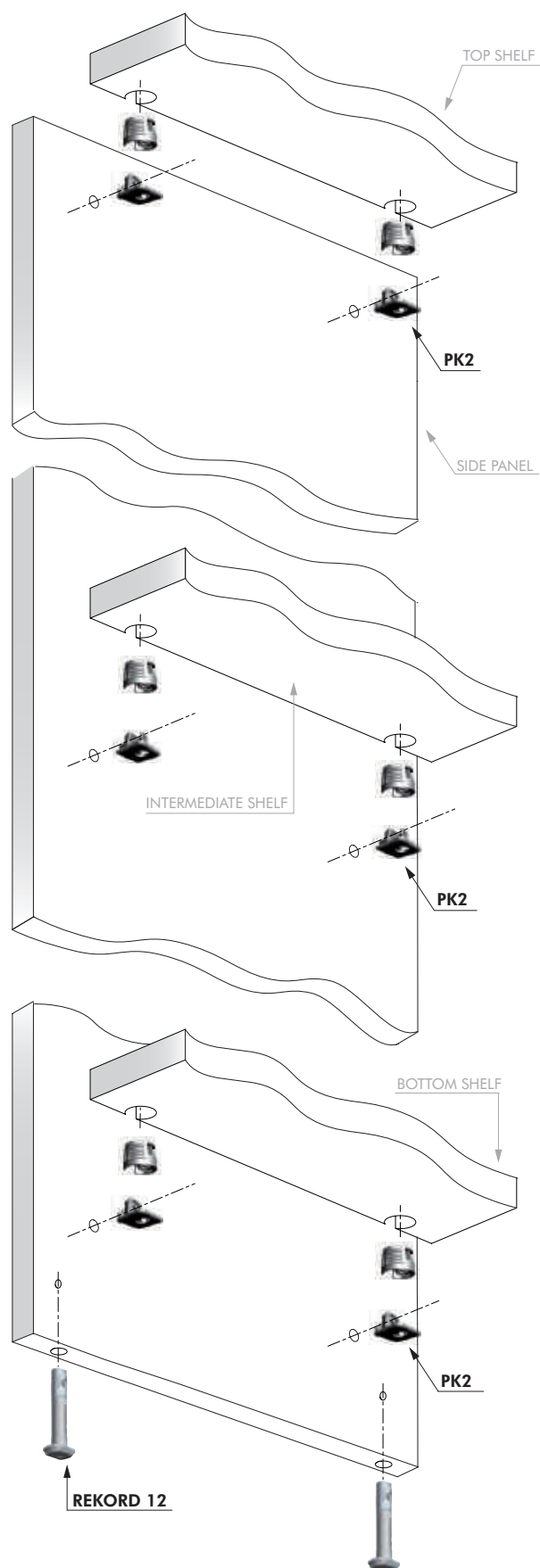
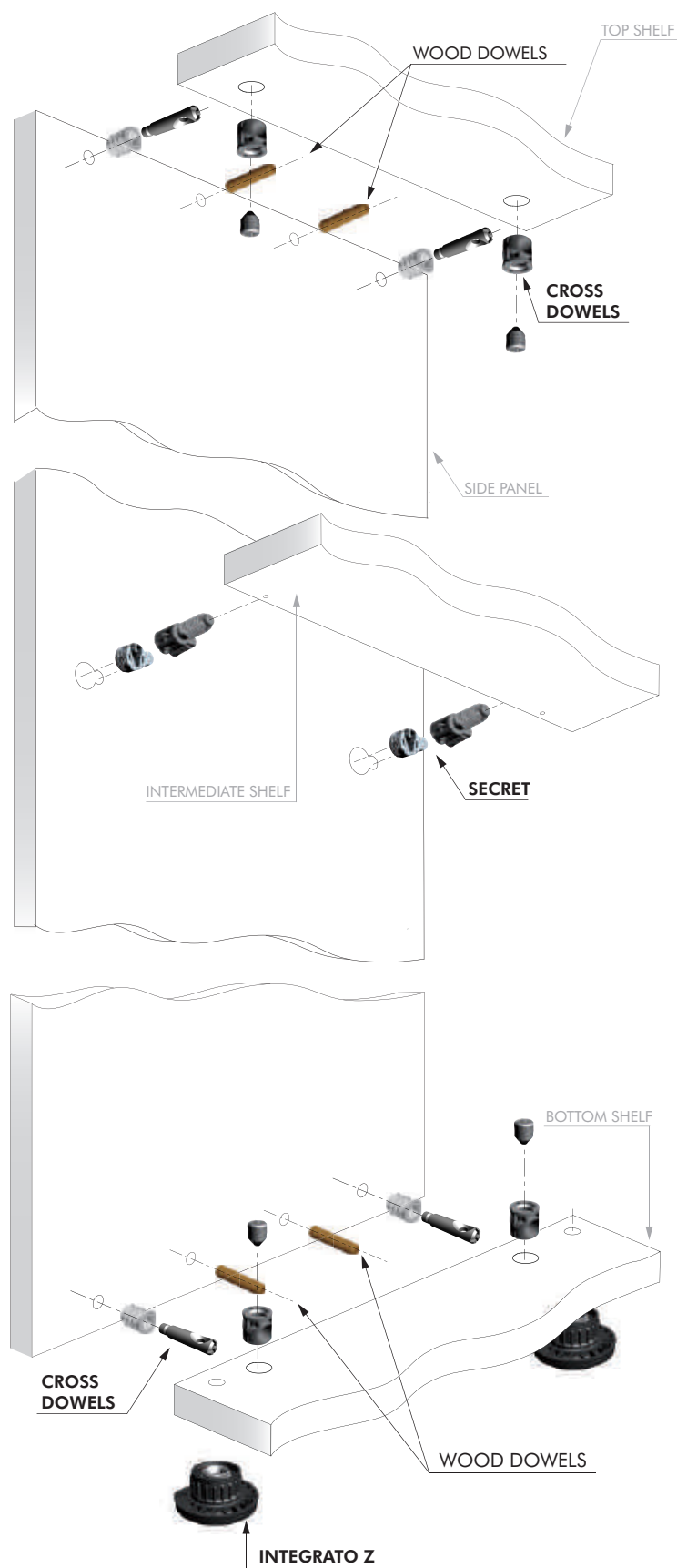


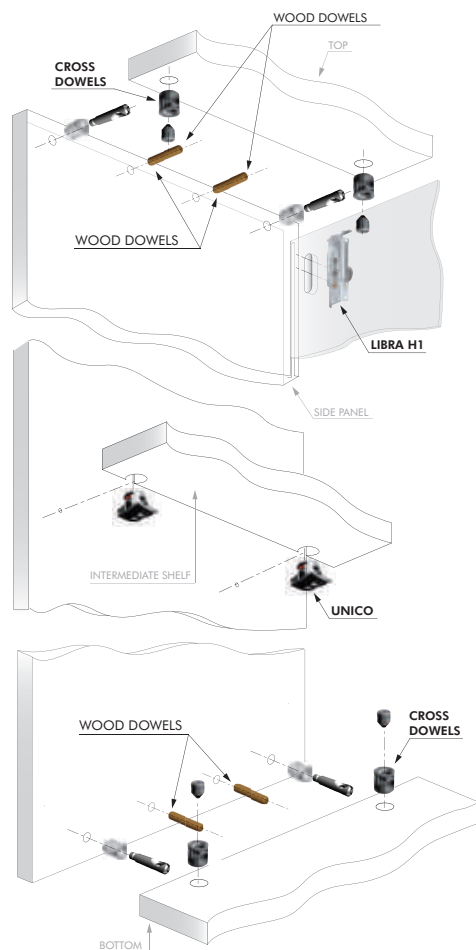
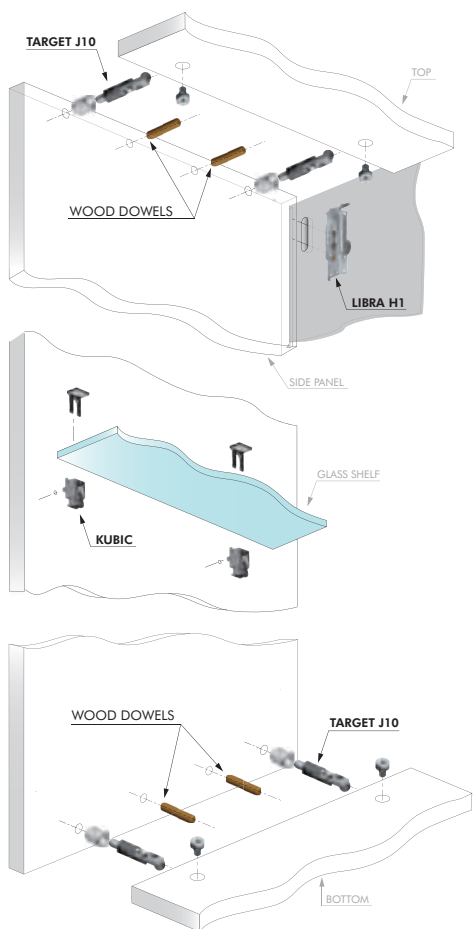
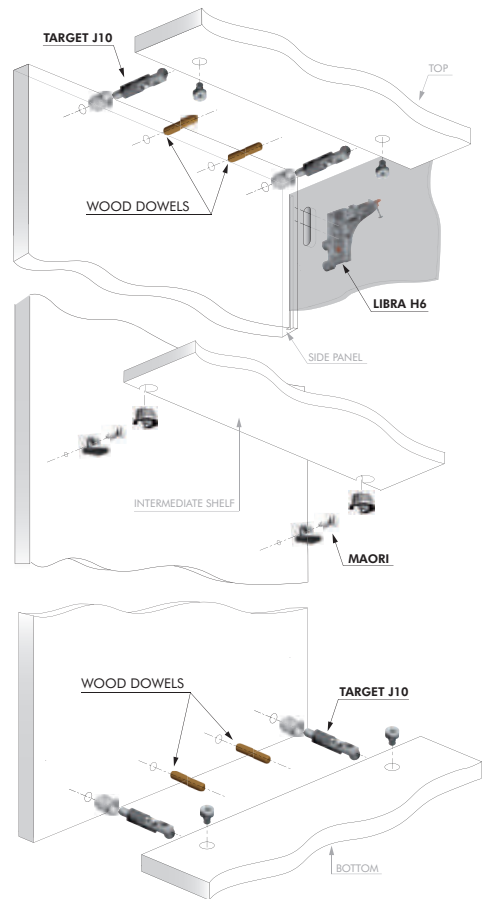
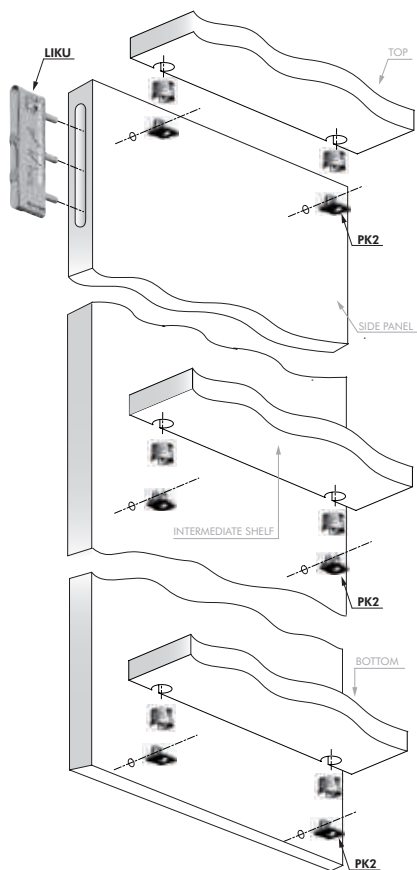
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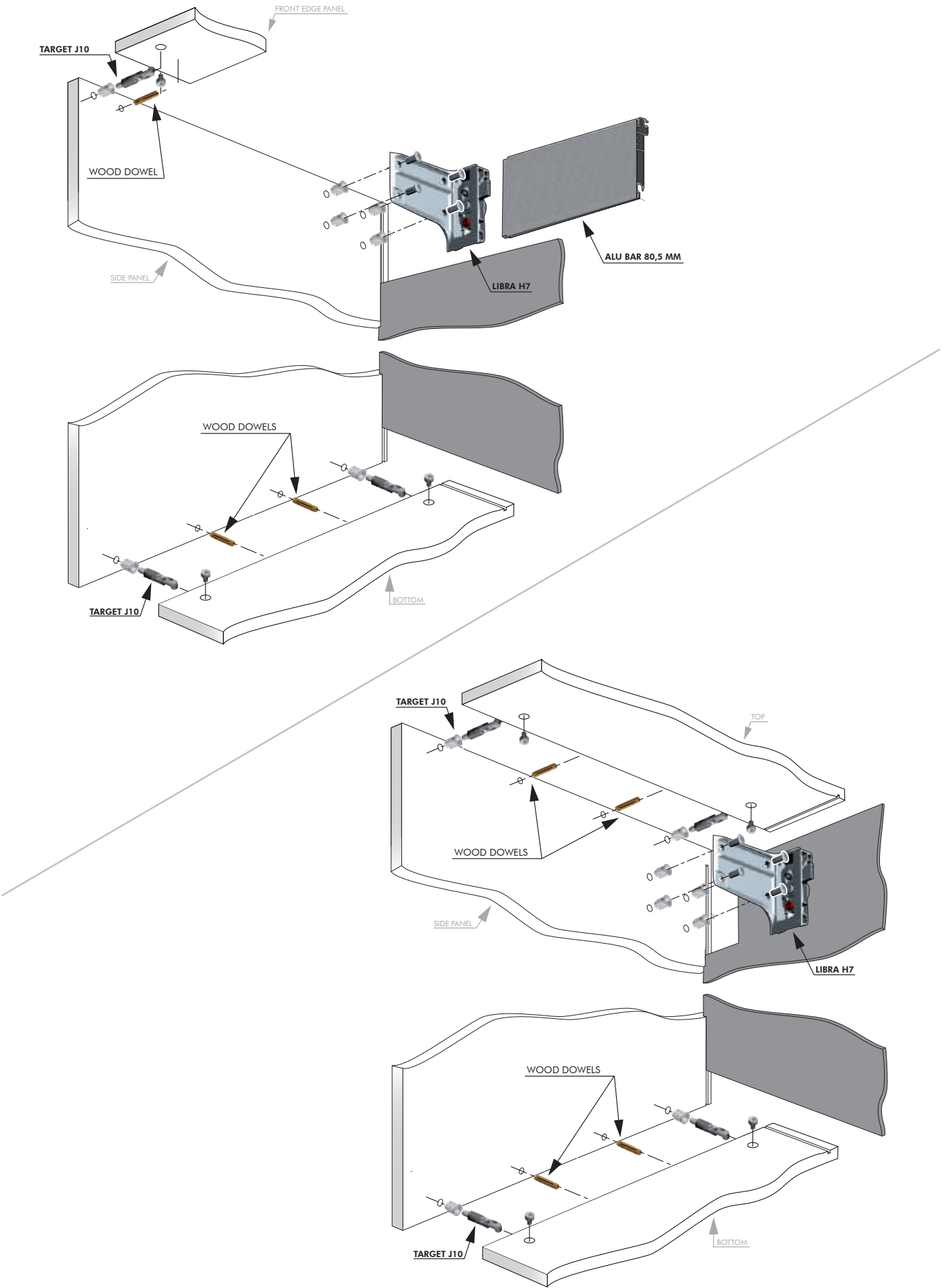












**Mumbai Design Centre:**

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Estate, Near Famous Studio,
Mahalaxmi (West), Mumbai - 400 011
Tel.: 022 6264 7100.

Mumbai Design Centre:

#2 Filix Building, Opp. Asian Paints,
L.B.S. Marg, Bhandup (West),
Mumbai - 400 078
Tel.: 022 2596 9660/
2596 9787/2594 7305

New Delhi Office & Design Centre:

D-89 , 1st Floor, Okhla Phase-I,
New Delhi - 110 020
Tel.: 011-66574999
Fax: 011-41605482

Bangalore Office & Design Centre:

Incubex Nestavera Spaces Pvt Ltd,
No:13, Langford Place, Langford Road,
Shanti Nagar, Bangalore - 560 025
Tel.: 080 4132 6116
Fax: 080 4132 6226

Bangalore**Hafele Appliances Gallery:**

No. 2/1, Shiv Manor, Langford Road,
Shantinagar, Bangalore - 560027
Tel.: 080 - 4142 6336

Sri Lanka:**Hafele Office and Design Centre:**

52, Nandana Gardens
(On Duplication Road), Colombo 04.
Tel: +94 112 500 501.
Fax: 0094 112 500 553.

Hafele Design Centre:

448, Galle Road, Rawathawatta,
Moratuwa, Sri Lanka.
Tel.: +94 112 644 600.

Hafele Boutique:

747A, Sirimawo Bandaranayaka
Mawatha, Mulgampola,
Kandy, Sri Lanka.
Tel.: +94 812 223 338.

Hyderabad Office & Design Centre:

SJR Building - # 1-57/89/1 & 1-57/89/2
Opp Allahabad Bank, Gachibowli,
Hyderabad – 500032
Tel.: 040 29557578 / 040 29557588

Kolkata Design Centre:

PS PACE, Premises No. 1/1A,
Mahendra Roy Lane, Topsia,
Kolkata - 700 046
Tel.: 033 40086814 / 033 40089268
Fax: 033 24988020

Kolkata Office:

Office No. 1001, PS Continental,
10th Floor, 83/2/1 Topsia Road,
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South Kolkata - 700046
Tel: 033-2285 0104 /
033-2285 0105 / 033-2285 0106

Chennai Office & Design Centre:

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Bangladesh Office:

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01844018433/ 01844018437.

Bangladesh Design Center:

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Block - E, Banani, Dhaka - 1213
Tel.: 02-48810380-81

Nepal:

UHS Holdings Pvt. Ltd.
Kathmandu-2, Gairidhara Chowk,
Nepal.
Mob.: +977 9802338800

Pune Design Centre:

Showroom No. 2, Ground Floor,
F P no. 403, A/2, ICC Trade Tower,
Senapati Bapat Marg,
Shivaji Nagar, Pune -411016
Tel.: 020 2563 3301
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Pune Office:

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Survey No.587,
Near Hyde Park, Gultekdi,
Market Yard, Pune - 411 037
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