

PRODUCTS CATALOGUE

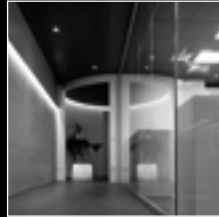
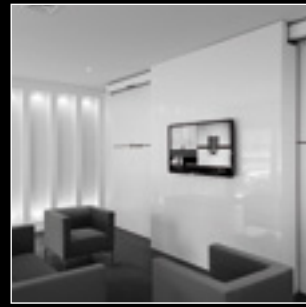
September 2018

Volume 1

Creativity
moves
Technology



EXCITE | INSPIRE | REWARD



Our Company

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 by its customers as a qualified partner able to suggest valid solutions to the problems of furniture assembly. Moreover ITALIANA FERRAMENTA can guarantee to 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

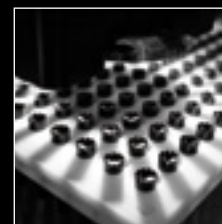
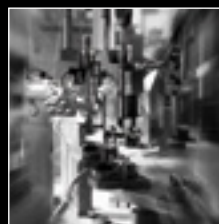


TARGET J10



ANTI-TURNOVER
LOCKING DEVICE

Research And Development



We take pride
in checking
every small
detail.



Visit our website:
www.italianaferramenta.com





Link

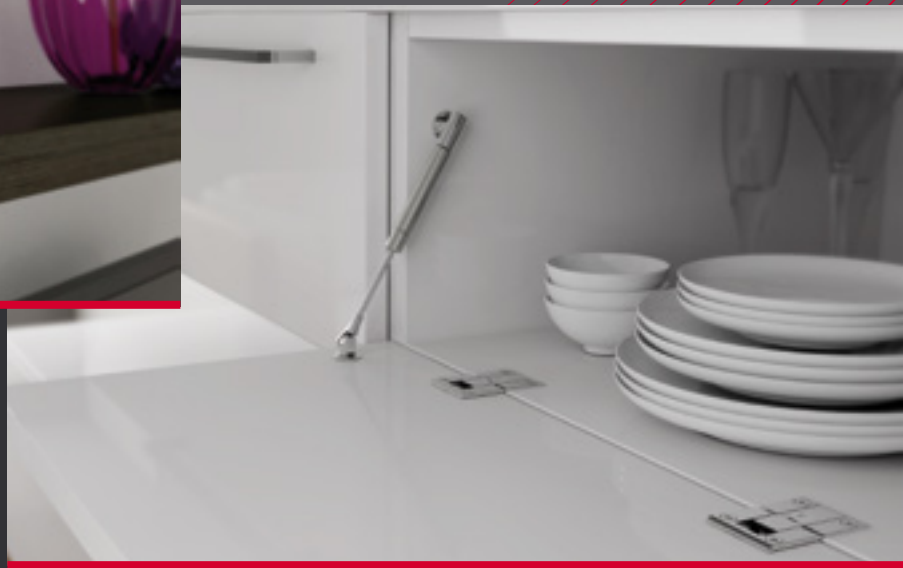


Triade

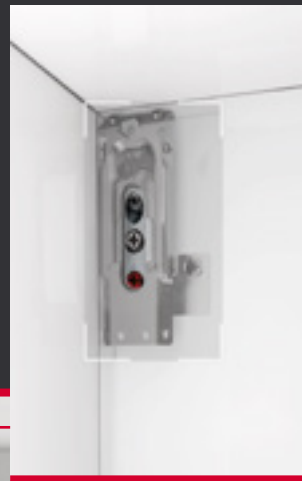




K12 System



Libra H7

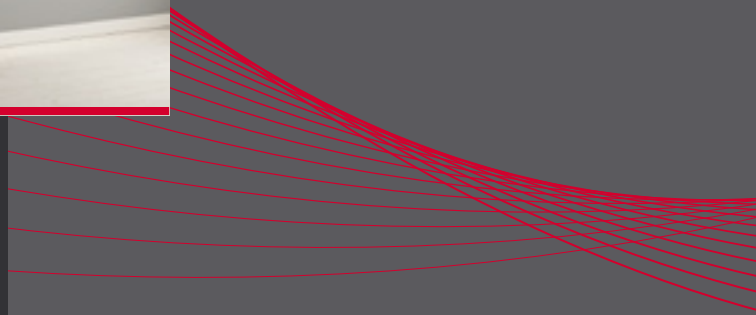


Libra H1





Liku



Kalabrone





PK2



Secret Maxi





Selected products in this catalogue are **on demand only** and will have an on demand symbol  next to that product, when placing orders please keep in mind lead time will be 6 - 8 weeks on all on demand products.

LID STAYS

▶ KRABY SYSTEM CONFIGURATOR.....	9
▶ KRABY LIFT UP FRICTION AND AUTOMATIC.....	10
▶ KRABY ALUMINIUM ADAPTER.....	15
▶ KRABY DROP DOWN	16
▶ K12 SYSTEM CONFIGURATOR	21
▶ K12 LIFT UP AUTOMATIC	22
▶ K12 SYSTEM ALUMINIUM ADAPTERS.....	27
▶ K12 SYSTEM DROP DOWN	28
▶ K12 SYSTEM ADJ.....	34
▶ LINK CONFIGURATOR	37
▶ LINK	38

HINGES

▶ KIMANA.....	42
---------------	----

PUSH CATCHES AND MAGNETIC CATCHES

▶ K PUSH TECH	45
▶ K LOCK	50
▶ K PUSH TECH AND K LOCK DRILLING JIG	51

SHELF SUPPORTS

▶ FLIPPER	52
▶ UNICO.....	53
▶ MAORI.....	54
▶ SECRET MAXI	56
▶ K LINE.....	58

GLASS SHELF SUPPORTS

▶ KUBIC.....	59
▶ COBRA.....	60
▶ KRISTAL.....	61
▶ GEKO.....	62

CONNECTINGS

▶ CONNECTING SCREWS.....	62
▶ PULL-IN CORNER BRACKET	63
▶ PK2 TEMPLATE	63
▶ PK2	64
▶ TARGET J10	66
▶ LH7.28 ADJUSTABLE LEVELLER FOR TARGET J10.....	70
▶ TARGET J12	71
▶ LH7.20 ADJUSTABLE LEVELLER FOR TARGET J12.....	76
▶ INTEGRATO A ADJUSTABLE LEVELLER FOR TARGET J12	77
▶ LH60.20 ADJUSTABLE LEVELLER FOR TARGET J12.....	78
▶ DRILLING JIG TARGET J10/J12.....	80
▶ DRILLING JIG TARGET J10/J12 - SIDE PANELS.....	82
▶ CROSS DOWEL SYSTEM.....	84
▶ VIS.....	86
▶ PLINTH CLIP.....	88

WORKTOP CONNECTOR

▶ QUICK SYSTEM.....	89
---------------------	----

LEVELLERS

▶ REKORD 12.....	90
▶ DRILLING JIG FOR REKORD 12.....	91
▶ INTEGRATO G	92
▶ INTEGRATO Z	93

DOOR BUFFERS AND COVER CAPS

▶ BI-MATERIAL.....	94
▶ NIKO.....	94

HANGERS

▶ LIBRA SYSTEM LIVING SETTING.....	95
▶ LIBRA H1	96
▶ LIBRA H7 screw fixing with "peg joint".....	98
▶ LIBRA H7 and LIBRA CH applications	100
▶ LIBRA H7 and LIBRA CH	101
▶ LIBRA H7 screw fixing with "peg joint" for aluminium bar applications	102
▶ LIBRA H7 screw fixing with "peg joint" for aluminium bar	104
▶ LIBRA BASESYSTEM.....	107
▶ SPIDER.....	108
▶ CONCEALED HANGER.....	109
▶ LIKU.....	110

SHELVING SYSTEMS





















▶ KALABRONE MINI	112
▶ KALABRONE SYSTEM.....	113
▶ MOON S.....	114
▶ MOON.....	115
▶ TRIADE MINI	116
▶ TRIADE	118
▶ TRIADE MAXI	120
▶ TRIADE AND TRIADE MINI ALU. PROFILE.....	122
▶ TRIADE MAXI AND TRIADE XXL ALU. PROFILE.....	123
▶ TRIADE SYSTEM SANDWICH PANEL CONSTRUCTION.....	124

DRILL BITS	127
------------------	-----

WARNINGS	131
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CABINET CONSTRUCTION PROPOSALS	132
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SYMBOLS LEGEND

 = WOOD/GLASS THICKNESS	 = OTHER FINISHES AVAILABLE ON REQUEST	 = WITH SPRING	 = STANDARD HINGE
 = LENGTH	 = NEWTON	 = WITHOUT SPRING	 = KIMANA HINGE
 = HOLE DIAMETER	 = CAPACITY LOADING	 = REVERSED SPRING	 = ON DEMAND
 = DIAMETER	 = SETTING CODE	 = ANTI-TURNOVER LOCKING SYSTEM	
 = RIGHT VERSION	 = K PUSH TECH WITH MAGNET	 = SHELF SAFELY LOCKED DURING TRANSPORTATION AND AT HOME	
 = LEFT VERSION	 = K LOCK WITH MAGNET		

Kraby System



Kraby System configurator

MAKE DESIGN EASIER WITH PRACTICAL APPLICATIONS

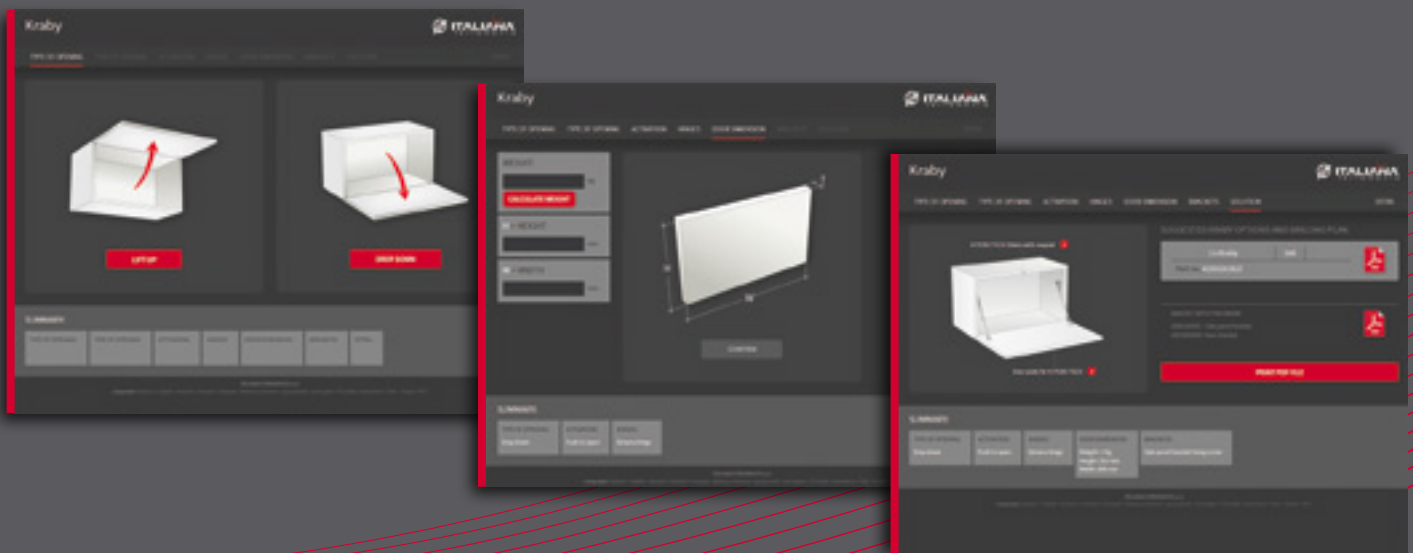
Download italiana ferramenta configurators

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>



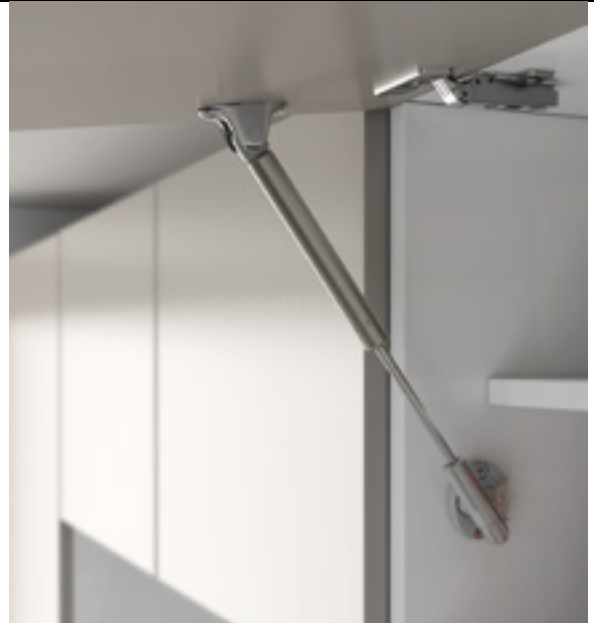
 software.italianaferramenta.it/new/kraby/





For further information: www.italianaferramenta.com > CATALOGUE > OPENING SYSTEMS

- ▶ New design 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 nearby doors alignment.
- ▶ 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.



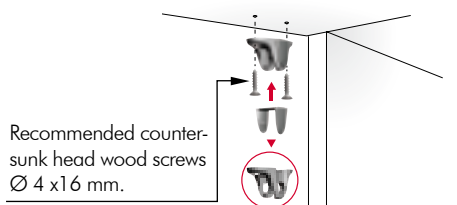
PATENTED

BRACKETS INSTALLATION



VERY IMPORTANT:

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

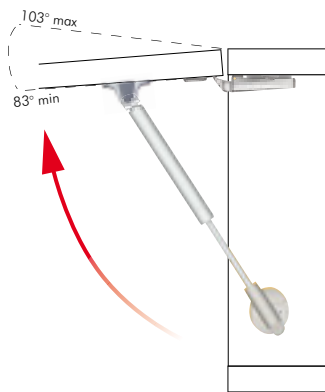


Recommended counter-sunk head wood screws Ø 4 x 16 mm.

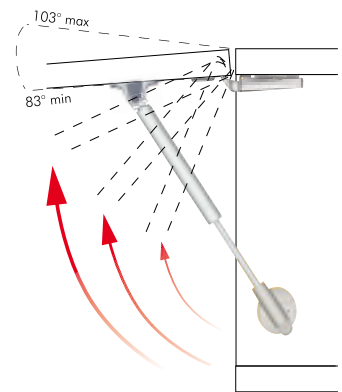
VERY IMPORTANT:

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

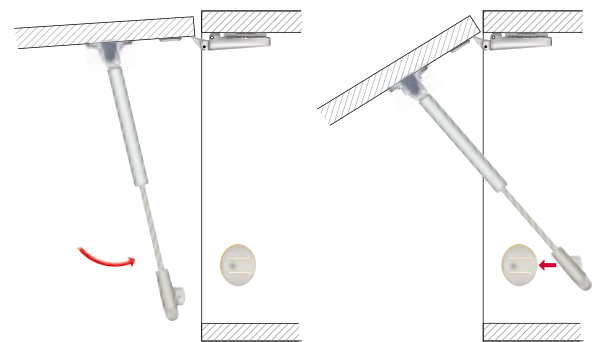
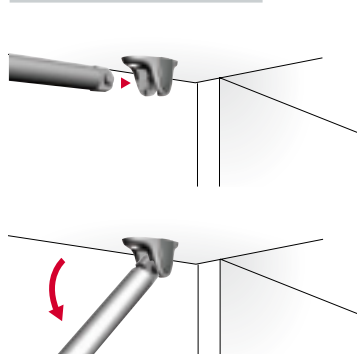
AUTOMATIC SOFT OPENING



FRICTION OPENING



INSTALLATION



ADJUSTMENTS

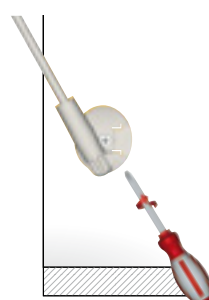
Front to back adjustment 0 - 10 mm.

FRONT TO BACK ADJUSTMENT:

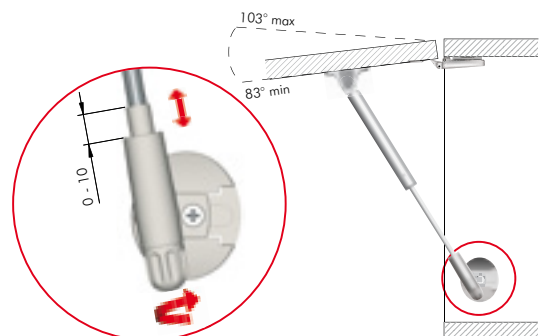
The opening and closing of the door can be changed by adjusting the position of the piston base plate within the slot:

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

Locking.

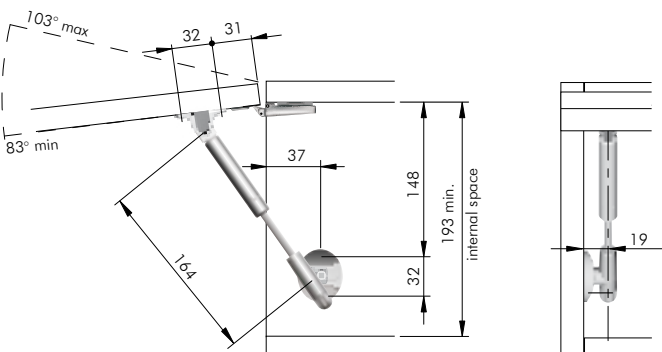
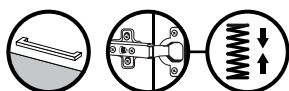


Open angle adjustment 0 - 10 mm.

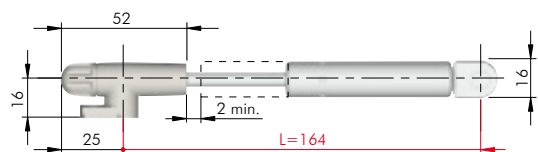


KRABY SYSTEM 164 mm LIFT UP WITH STANDARD SPRUNG HINGES

Opening with handle



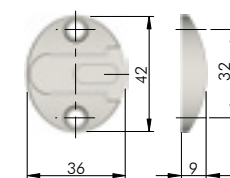
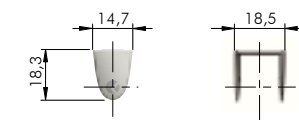
The dimensions of the above drilling plan refer to carcasses which use standard sprung hinges and mounting plates 0 mm. Please note that min and max opening angle shown data is purely indicative. It varies with respect to the hinge brand and adjustment carried out.



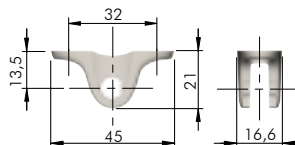
ALL THE PARTS (STAY EXCLUDED) ARE IN ZINC ALLOY NICKEL-PLATED AND PLASTIC.

ITEM 114 | **PLASTIC GREY COVER FOR DOOR BRACKET**
FINISH | RIH2066

ITEM 101 | **SIDE BRACKET**
FINISH | Z. A. NICKEL-PLATED RIH2064



ITEM 102 | **DOOR BRACKET**
FINISH | Z. A. NICKEL-PLATED RIH2065



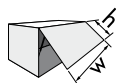
Recommended pre-drilled holes \varnothing 3 mm.

KRABY SYSTEM 164 mm LIFT UP FRICTION VERSION

On Demand: 45N



Rev. 01



h	W	450		600		900		1200	
		Kg	Kraby	Kg	Kraby	Kg	Kraby	Kg	Kraby
230-250		1,2 - 1,3	1 x 45 N	1,6 - 1,8	1 x 45 N	2,4 - 2,6	2 x 45 N	3,2 - 3,5	2 x 45 N
251-300		1,3 - 1,6	1 x 45 N	1,8 - 2,1	2 x 45 N	2,6 - 3,2	2 x 45 N	3,5 - 4,2	2 x 45 N

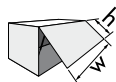
The above chart refers to chipboard or MDF 18 mm doors and aluminium frame doors with glass 4 mm thick. These are experimental results to be checked by the customer. Our Technical Department is at your disposal to test further cases out of this chart.

KRABY SYSTEM 164 mm LIFT UP AUTOMATIC VERSION

On Demand: 50N - 80N - 120N



Rev. 01



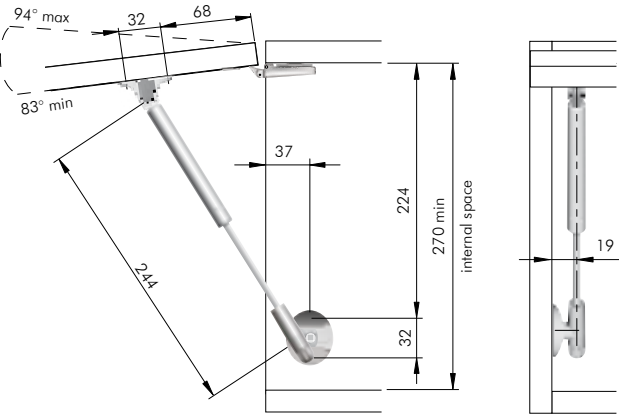
h	W	450		600		900		1200	
		Kg	Kraby	Kg	Kraby	Kg	Kraby	Kg	Kraby
230-250		1,2 - 1,3	1 x 80 N	1,6 - 1,8	1 x 120 N	2,4 - 2,6	2 x 50 N	3,2 - 3,5	2 x 80 N
251-300		1,3 - 1,6	1 x 80 N	1,8 - 2,1	2 x 80 N	2,6 - 3,2	2 x 80 N	3,5 - 4,2	2 x 80 N

The above chart refers to chipboard or MDF 18 mm doors and aluminium frame doors with glass 4 mm thick. 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.

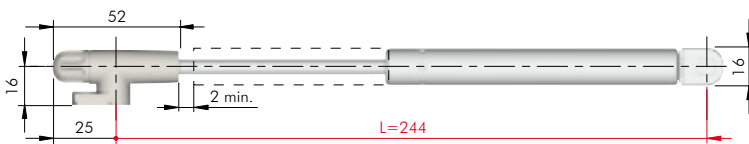
KRABY SYSTEM 244 mm LIFT UP WITH STANDARD SPRUNG HINGES



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 shown data is purely indicative. It varies with respect to the hinge brand and adjustment carried out.

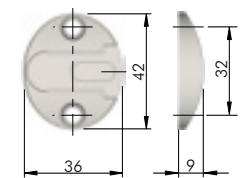
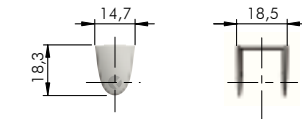


ALL THE PARTS (STAY EXCLUDED) ARE IN ZINC ALLOY NICKEL-PLATED AND PLASTIC.

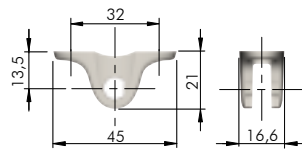


ITEM 114 | **PLASTIC GREY COVER FOR DOOR BRACKET**
FINISH | RIH2066

ITEM 101 | **SIDE BRACKET FINISH** | Z. A. NICKEL-PLATED RIH2064



ITEM 102 | **DOOR BRACKET**
FINISH | Z. A. NICKEL-PLATED RIH2065



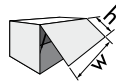
Recommended pre-drilled holes \varnothing 3 mm.

ITEM 97 | **KRABY SYSTEM 244 mm LIFT UP FRICTION VERSION**
CODE | RIH2061 - **60N**
RIH137 - **90N**

On demand: 45N - 120N



Rev. 01



The side chart refers to chipboard or MDF 18 mm doors and aluminium frame doors with glass 4 mm thick. 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.

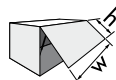
h	W	450		600		900		1200		1500	
		Kg	Kraby	Kg	Kraby	Kg	Kraby	Kg	Kraby	Kg	Kraby
300-350	1,6 - 1,8	1 x 45 N	2,1 - 2,5	1 x 45 N	3,2 - 3,7	1 x 60 N	4,2 - 4,9	2 x 45 N	5,3 - 6,1	2 x 45 N	
351-400	1,8 - 2,1	1 x 45 N	2,5 - 2,8	1 x 45 N	3,7 - 4,2	2 x 45 N	4,9 - 5,6	2 x 60 N	6,1 - 7,0	2 x 60 N	
401-450	2,1 - 2,4	1 x 60 N	2,8 - 3,2	2 x 45 N	4,2 - 4,7	2 x 45 N	5,6 - 6,3	2 x 60 N	7,0 - 7,9	2 x 90 N	
451-500	2,4 - 2,6	1 x 60 N	3,2 - 3,5	2 x 45 N	4,7 - 5,3	2 x 60 N	6,3 - 7,0	2 x 90 N			
501-550	2,6 - 2,9	2 x 45 N	3,5 - 3,9	2 x 60 N	5,3 - 5,8	2 x 90 N	7,0 - 7,7	2 x 120 N			

ITEM 99 | **KRABY SYSTEM 244 mm LIFT UP AUTOMATIC VERSION**
CODE | RIH2062 - **80N**
RIH1048 - **100N**

On demand: 50N - 120N - 140N



Rev. 01



The side chart refers to chipboard or MDF 18 mm doors and aluminium frame doors with glass 4 mm thick. These are experimental results to be checked by the customer.

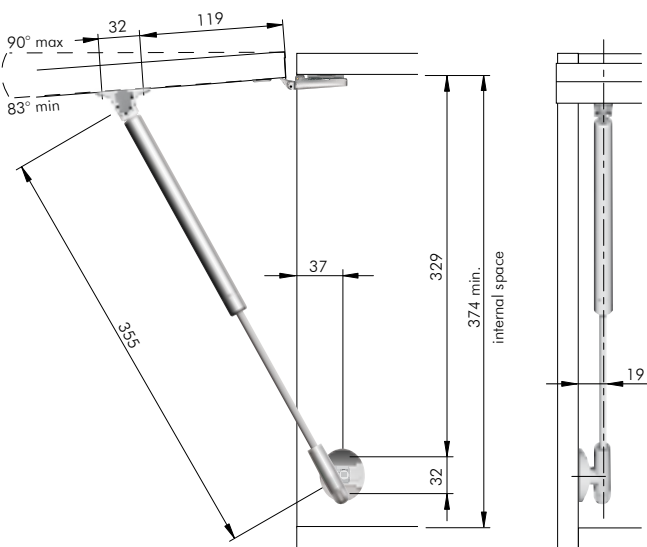
Our Technical Department is at your disposal to test further cases out of this chart.

h	W	450		600		900		1200		1500	
		Kg	Kraby	Kg	Kraby	Kg	Kraby	Kg	Kraby	Kg	Kraby
300-350	1,6 - 1,8	1 x 80 N	2,1 - 2,5	1 x 80 N	3,2 - 3,7	2 x 50 N	4,2 - 4,9	2 x 80 N	5,3 - 6,1	2 x 100 N	
351-400	1,8 - 2,1	1 x 80 N	2,5 - 2,8	2 x 50 N	3,7 - 4,2	2 x 80 N	4,9 - 5,6	2 x 100 N	6,1 - 7,0	2 x 120 N	
401-450	2,1 - 2,4	2 x 50 N	2,8 - 3,2	2 x 80 N	4,2 - 4,7	2 x 100 N	5,0 - 6,3	2 x 120 N	7,0 - 7,9	2 x 140 N	
451-500	2,4 - 2,6	2 x 80 N	3,2 - 3,5	2 x 80 N	4,7 - 5,3	2 x 100 N					

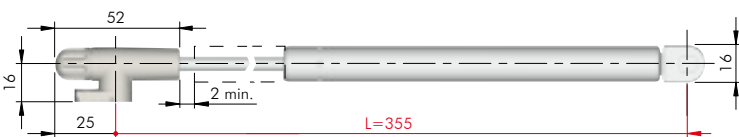
KRABY SYSTEM 355 mm LIFT UP WITH STANDARD SPRUNG HINGES



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 shown data is purely indicative. It varies with respect to the hinge brand and adjustment carried out.

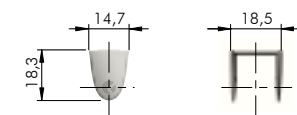


ALL THE PARTS (STAY EXCLUDED) ARE IN ZINC ALLOY NICKEL-PLATED AND PLASTIC.

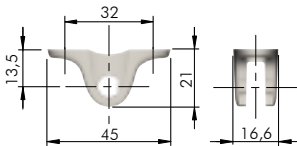
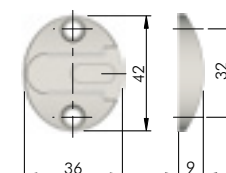


ITEM 114 | **PLASTIC GREY COVER FOR DOOR BRACKET**
FINISH | RIH2066

ITEM 101 | **SIDE BRACKET**
FINISH | Z. A. NICKEL-PLATED RIH2064



ITEM 102 | **DOOR BRACKET**
FINISH | Z. A. NICKEL-PLATED RIH2065

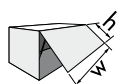


Recommended pre-drilled holes Ø 3 mm.



KRABY SYSTEM 355 mm LIFT UP FRICTION VERSION

Ⓢ On Demand: 45N - 60N - 90N



The side chart refers to chipboard or MDF 18 mm doors and aluminium frame doors with glass 4 mm thick. 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.

h	W	450		600		900		1200		1500		1800	
		Kg	Kraby	Kg	Kraby	Kg	Kraby	Kg	Kraby	Kg	Kraby	Kg	Kraby
400-450	2,1 - 2,4	1 x 45 N	2,8 - 3,2	1 x 45 N	4,2 - 4,7	2 x 45 N	5,6 - 6,3	2 x 45 N	7,0 - 7,9	2 x 45 N	8,4 - 9,5	2 x 60 N	
451-500	2,4 - 2,6	1 x 45 N	3,2 - 3,5	1 x 45 N	4,7 - 5,3	2 x 45 N	6,3 - 7,0	2 x 45 N	7,9 - 8,8	2 x 60 N	9,5 - 10,5	2 x 60 N	
501-550	2,6 - 2,9	1 x 45 N	3,5 - 3,9	1 x 60 N	5,3 - 5,8	2 x 45 N	7,0 - 7,7	2 x 45 N	8,8 - 9,7	2 x 60 N	10,5 - 11,6	2 x 60 N	
551-600	2,9 - 3,2	1 x 60 N	3,9 - 4,2	2 x 45 N	5,8 - 6,3	2 x 60 N	7,7 - 8,4	2 x 60 N	9,7 - 10,5	2 x 90 N			
601-650	3,2 - 3,4	1 x 60 N	4,2 - 4,6	2 x 45 N	6,3 - 6,8	2 x 60 N	8,4 - 9,1	2 x 90 N					
651-700	3,4 - 3,7	1 x 90 N	4,6 - 4,9	2 x 60 N	6,8 - 7,4	2 x 90 N	9,1 - 9,8	2 x 90 N					

Rev. 01



KRABY SYSTEM 355 mm LIFT UP AUTOMATIC VERSION

Ⓢ On Demand: 50N - 80N - 100N - 120N



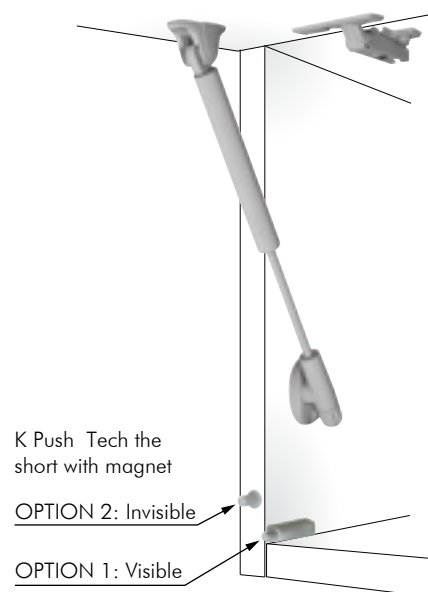
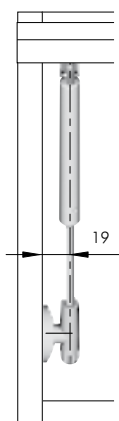
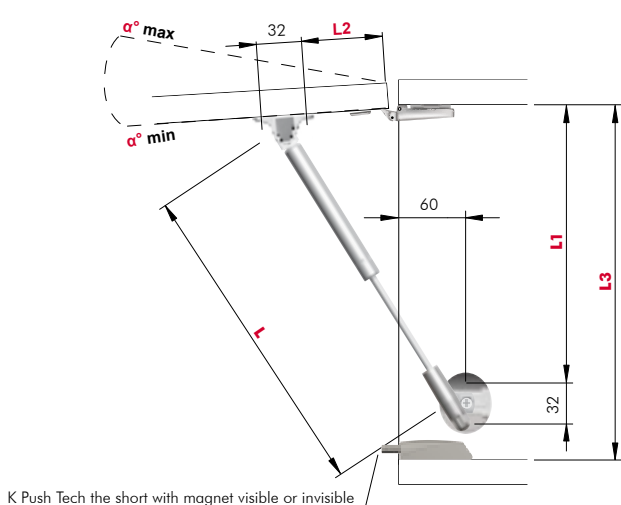
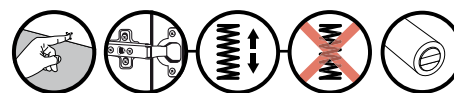
The side chart refers to chipboard or MDF 18 mm doors and aluminium frame doors with glass 4 mm thick. These are experimental results to be checked by the customer. Our Technical Department is at your disposal to test further cases out of this chart.

h	W	450		600		900		1200		1500		1800	
		Kg	Kraby	Kg	Kraby	Kg	Kraby	Kg	Kraby	Kg	Kraby	Kg	Kraby
400-450	2,1 - 2,4	1 x 80 N	2,8 - 3,2	2 x 50 N	4,2 - 4,7	2 x 50 N	5,6 - 6,3	2 x 80 N	7,0 - 7,9	2 x 80 N	8,4 - 9,5	2 x 100 N	
451-500	2,4 - 2,6	1 x 80 N	3,2 - 3,5	2 x 50 N	4,7 - 5,3	2 x 80 N	6,3 - 7,0	2 x 80 N	7,9 - 8,8	2 x 100 N	9,5 - 10,5	2 x 120 N	
501-550	2,6 - 2,9	1 x 80 N	3,5 - 3,9	2 x 50 N	5,3 - 5,8	2 x 80 N	7,0 - 7,7	2 x 100 N	8,8 - 9,7	2 x 120 N			
551-600	2,9 - 3,2	2 x 50 N	3,9 - 4,2	2 x 80 N	5,8 - 6,3	2 x 80 N	7,7 - 8,4	2 x 120 N					
601-650	3,2 - 3,4	2 x 80 N	4,2 - 4,6	2 x 100 N	6,3 - 6,8	2 x 120 N							
651-700	3,4 - 3,7	2 x 80 N	4,6 - 4,9	2 x 100 N	6,8 - 7,4	2 x 120 N							

Rev. 01

KRABY SYSTEM LIFT UP WITH STANDARD UNSPRUNG OR NEGATIVE HINGES

Automatic opening door with K Push Tech the short with magnet



K Push Tech the short with magnet visible or invisible

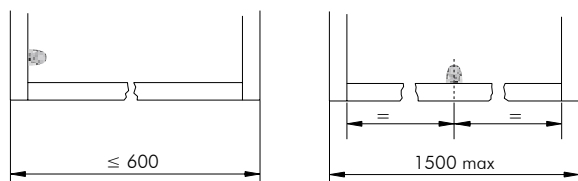
For piston quantity and strength to be specified according to door size, refer to the related Kraby System lift up chart.

	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 shown data is purely indicative. It varies with respect to the hinge brand and adjustment carried out.

INSTALLATION OF K PUSH TECH THE SHORT WITH MAGNET THROUGH ADAPTER HOUSING

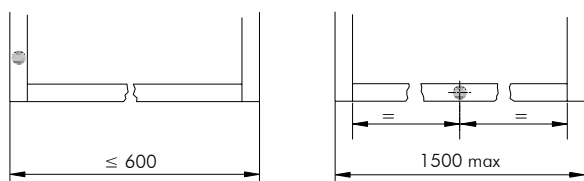
OPTION 1: VISIBLE



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

INSTALLATION OF K PUSH TECH THE SHORT WITH MAGNET 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.

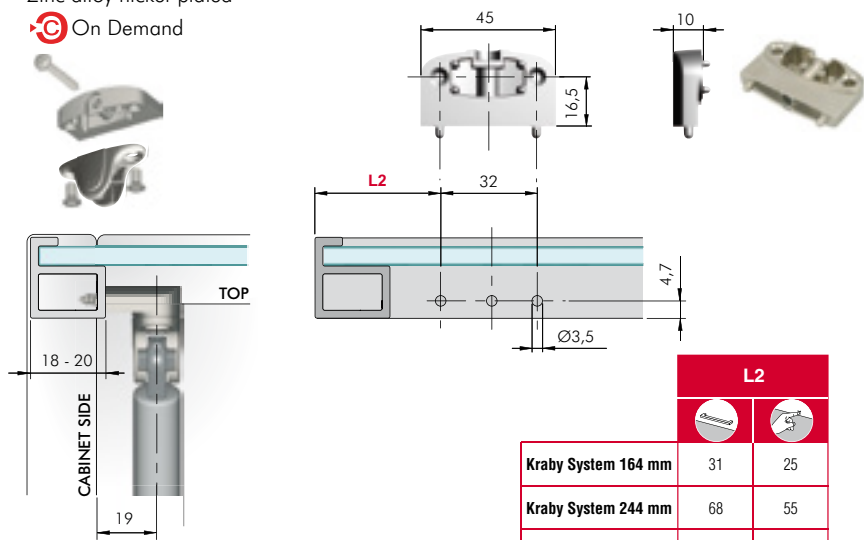


KRABY ALUMINIUM ADAPTER

KRABY SYSTEM ADAPTER FOR ALUMINIUM FRAME DOOR 18-20 mm WIDE

Zinc alloy nickel-plated

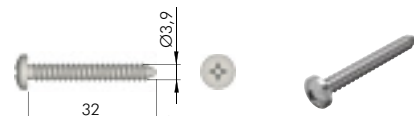
⊗ On Demand



PAN HEAD SELF-TAPPING SCREW Ø 3,9 X 32 mm

Steel nickel-plated

⊗ On Demand



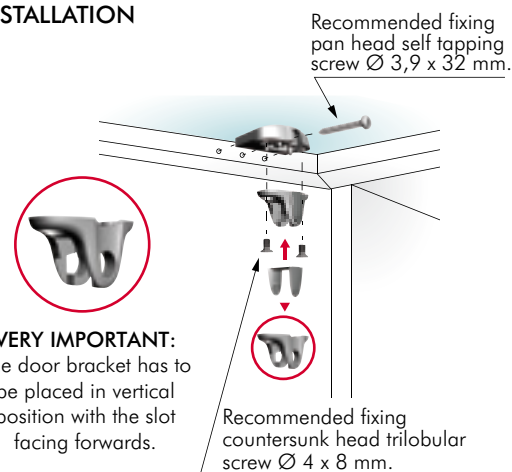
TRILOBULAR SCREW COUNTERSUNK HEAD M4 X 8 mm

Steel nickel-plated

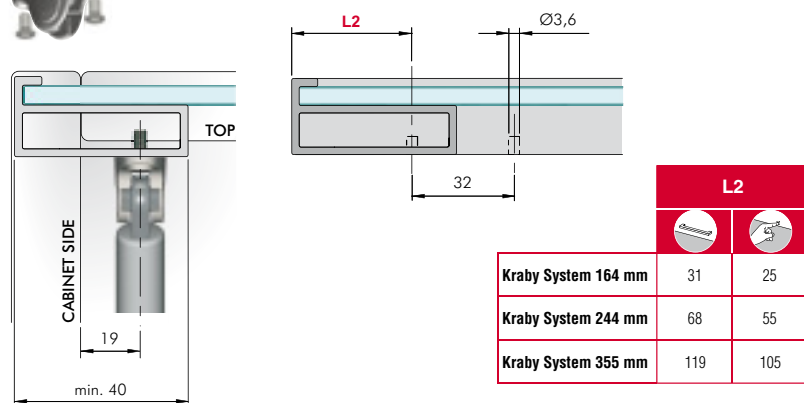
⊗ On Demand



INSTALLATION

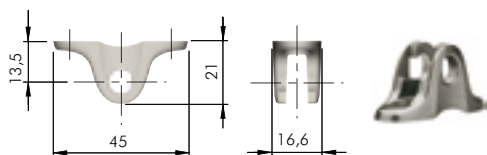


KRABY APPLICATION FOR ALUMINIUM FRAME DOOR MINIMUM 40 mm WIDE



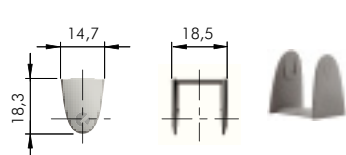
ITEM 102 | DOOR BRACKET

FINISH | ZINC ALLOY NICKEL-PLATED | RIH2065



ITEM 114 | PLASTIC GREY COVER FOR DOOR BRACKET

FINISH | RIH2066



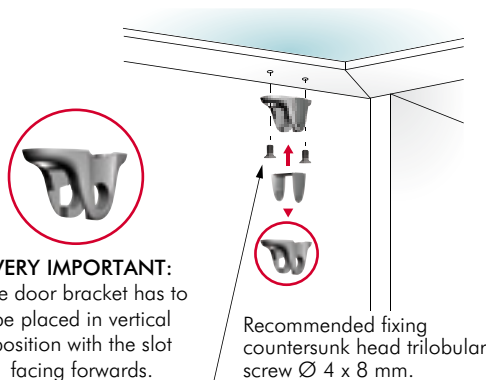
TRILOBULAR SCREW COUNTERSUNK HEAD M4 X 8 mm

Steel nickel-plated

⊗ On Demand



INSTALLATION





For further information: www.italianaferramenta.com > CATALOGUE > OPENING SYSTEMS

- ▶ New design 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 nearby doors alignment.
- ▶ 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.



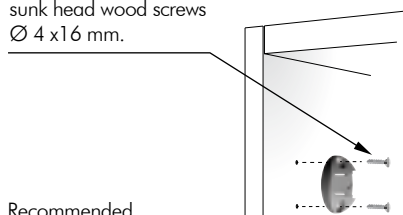
PATENTED

BRACKETS INSTALLATION

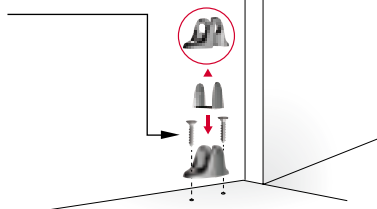
VERY IMPORTANT:

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

Recommended countersunk head wood screws
Ø 4 x16 mm.



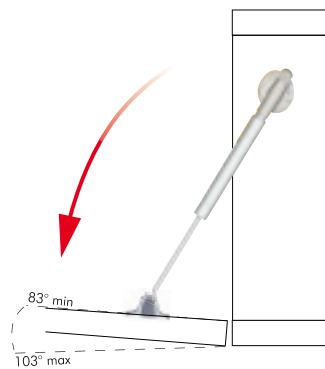
Recommended countersunk head wood screws
Ø 4 x16 mm.



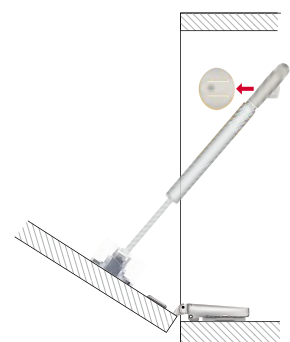
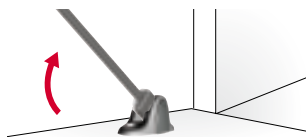
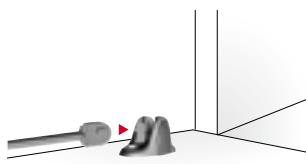
VERY IMPORTANT:

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

DROP DOWN OPENING

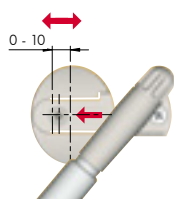


INSTALLATION



ADJUSTMENTS

Front to back adjustment 0 - 10 mm.

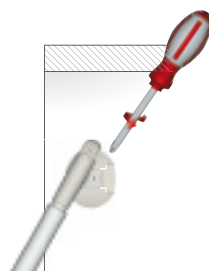


FRONT TO BACK ADJUSTMENT

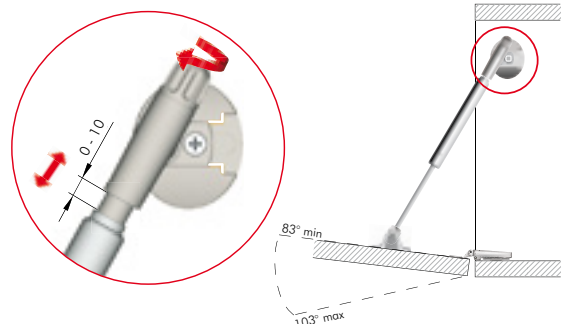
The opening of the door can be changed by adjusting the position of the piston base plate within the slot:

- Forwards adjustment = the door opens automatically later.
- Backwards adjustment = the door opens automatically in advance.

Locking.

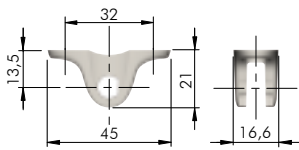


Open angle adjustment 0 - 10 mm.



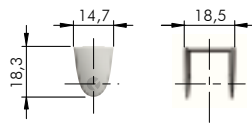


ITEM 102 | **DOOR BRACKET**
FINISH | Z. A. NICKEL-PLATED
RIH2065

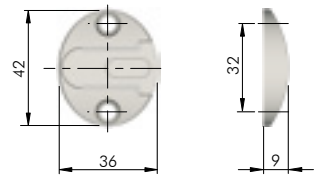


Recommended pre-drilling holes \varnothing 3 mm.

ITEM 114 | **PLASTIC GREY COVER FOR DOOR BRACKET**
FINISH | RIH2066

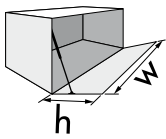


ITEM 101 | **SIDE BRACKET**
FINISH | Z. A. NICKEL-PLATED
RIH2064

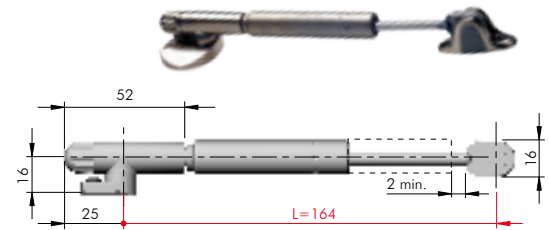


Recommended pre-drilling holes \varnothing 3 mm.

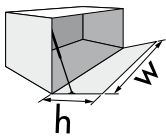
ITEM 160 | **KRABY SYSTEM 164 mm DROP DOWN - "ZERO" N**
CODE | RIH138



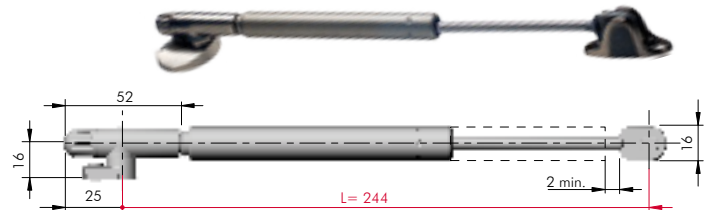
h	w	1200 max.	
		Stays	Kg
225-250		2 x 164 mm	< 3



ITEM 160 | **KRABY SYSTEM 244 mm DROP DOWN - "ZERO" N**
CODE | RIH2063

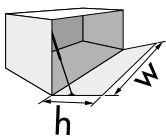


h	w	1200 max.	
		Stays	Kg
301-350		2 x 244 mm	< 4,9



KRABY SYSTEM 355 mm DROP DOWN - "ZERO" N

On Demand



h	w	1200 max.	
		Stays	Kg
401-450		2 x 355 mm	< 6,3

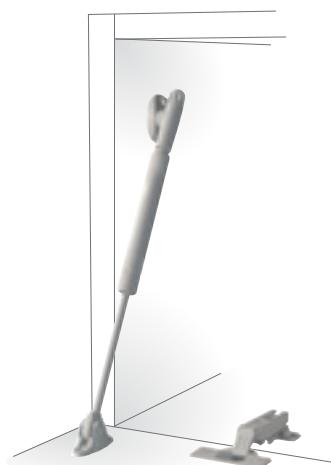
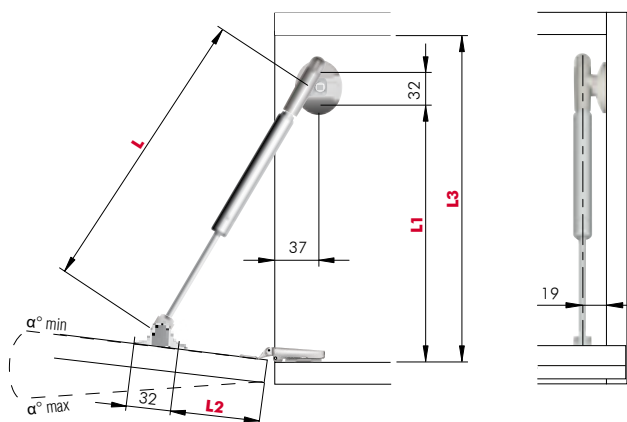
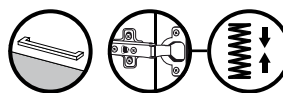


ALL THE PARTS (STAY EXCLUDED) ARE IN ZINC ALLOY NICKEL-PLATED AND PLASTIC.

The above charts refer to chipboard or MDF 18 mm doors and aluminium frame doors with glass 4 mm thick using standard, flap or Kimana hinges. 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 (extra-size doors might require 3 or more gas stays). For doors whose weights/dimensions are bigger than those reported on the chart, please increase the number of stays accordingly. Please make sure that gas stays are properly regulated in height through the apposite rotary knob so that the weight of the door is equally distributed amongst the stays used. 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



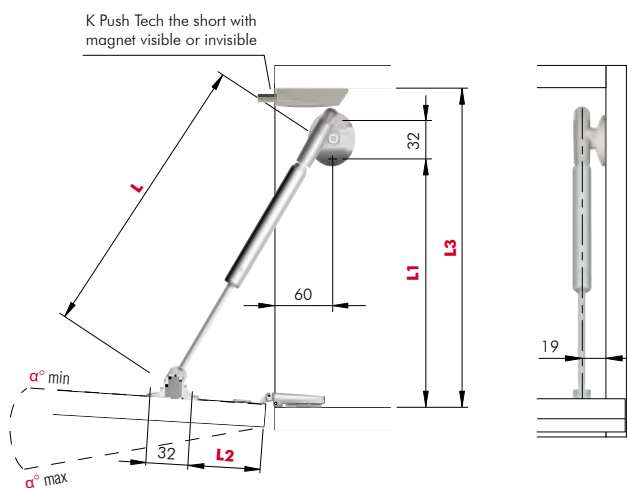
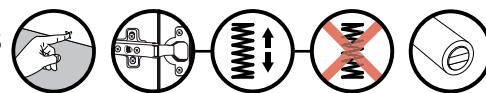
For pistons quantity to be specified according to door size, refer to the related Kraby System drop down chart.

	L	L1	L2	L3	α° min α° max
Kraby System 164 mm	164	148	31	193 min	83° min 103° 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 90° 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 shown data 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

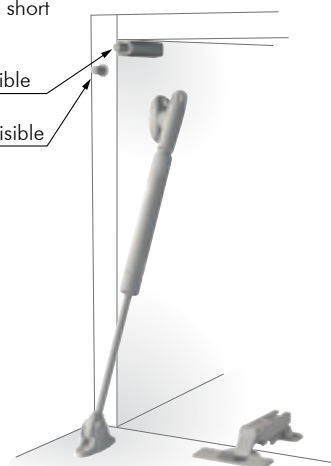
Automatic opening door with K Push Tech the short with magnet



K Push Tech the short with magnet

OPTION 1: Visible

OPTION 2: Invisible



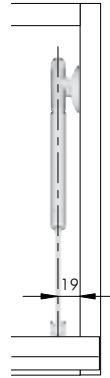
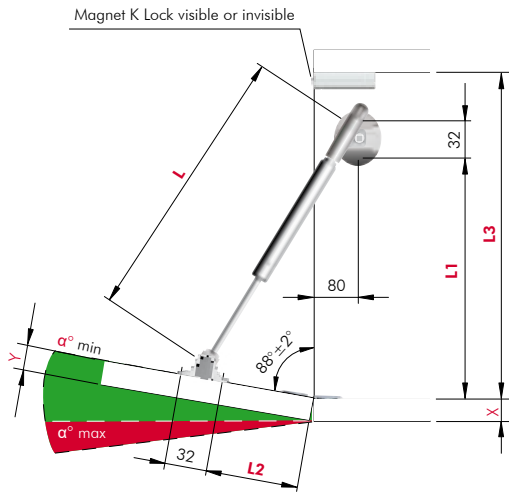
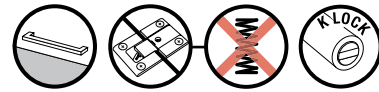
For pistons quantity to be specified according to door size, refer to the related Kraby System drop down chart.

	L	L1	L2	L3	α° min α° 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	83° 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 shown data is purely indicative. It varies with respect to the hinge brand and adjustment carried out.

KRABY SYSTEM DROP DOWN WITH KIMANA HINGES

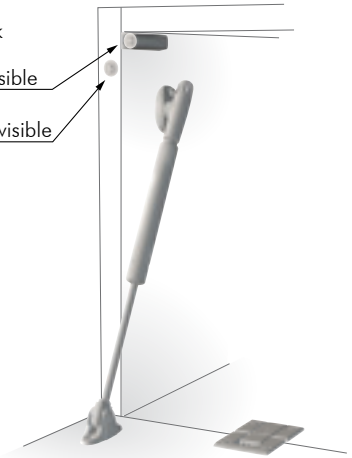
Opening with handle and magnet K Lock



Magnet K Lock

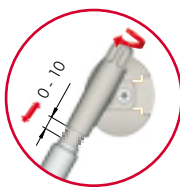
OPTION 1: Visible

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, it negatively effects the Kimana hinges.

KRABY SYSTEM 164 MM

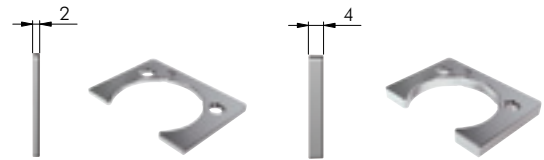
X+	Y+	L1
16+4	16+2	117
16+4	18	119
16+4	20	119
18+2	18	117
18+2	20	117

KRABY SYSTEM 244 MM

X+	Y+	L1
16+4	16+2	197
16+4	18	199
16+4	20	199
18+2	18	197
18+2	20	197

KRABY SYSTEM 355 MM

X+	Y+	L1
16+4	16+2	302
16+4	18	304
16+4	20	304
18+2	18	302
18+2	20	302



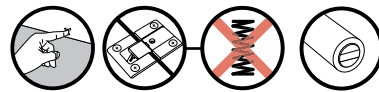
For Kimana and adapter details refer to section "HINGES".

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

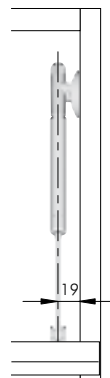
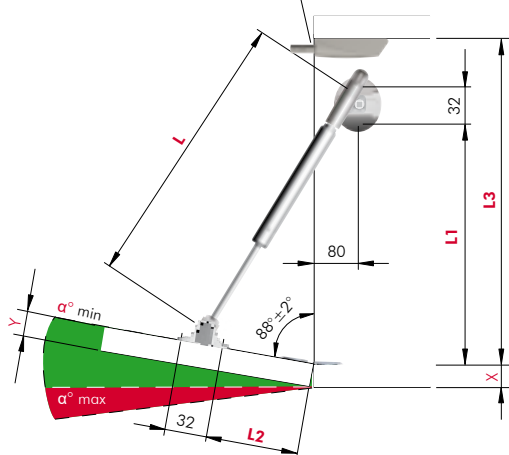
In accordance with the actual European Regulation, we suggest to use at least two stays for each door (extra-size doors might require 3 or more gas stays).

KRABY SYSTEM DROP DOWN WITH KIMANA HINGES

Automatic opening door with K Push Tech the medium with magnet



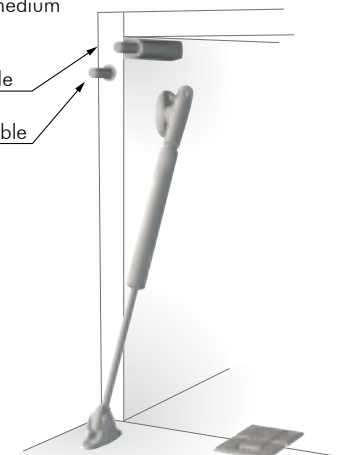
K Push Tech the medium with magnet visible or invisible



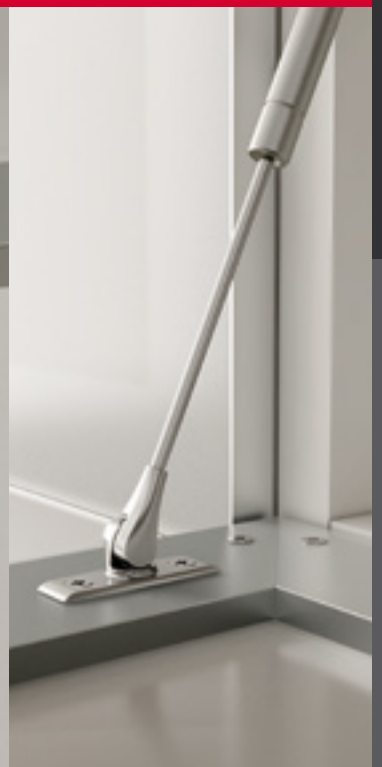
K Push Tech the medium with magnet

OPTION 1: Visible

OPTION 2: Invisible



K12 System



K12 System configurator

MAKE DESIGN EASIER WITH PRACTICAL APPLICATIONS

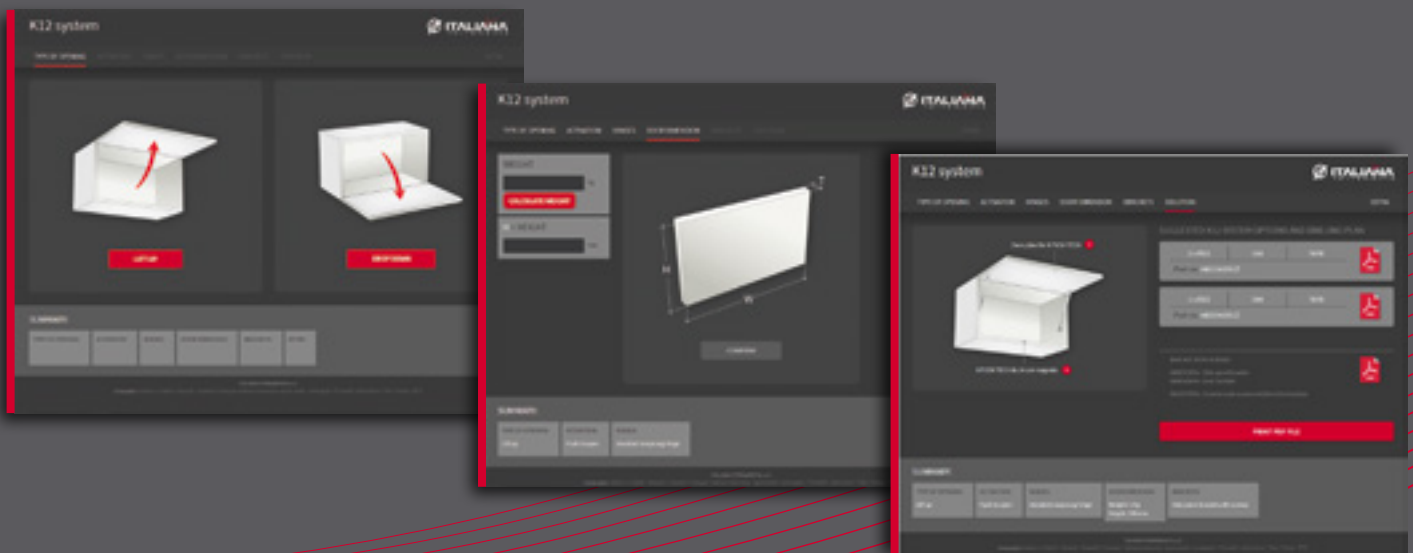
Download italiana ferramenta configurators

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/



K12 LIFT UP AUTOMATIC



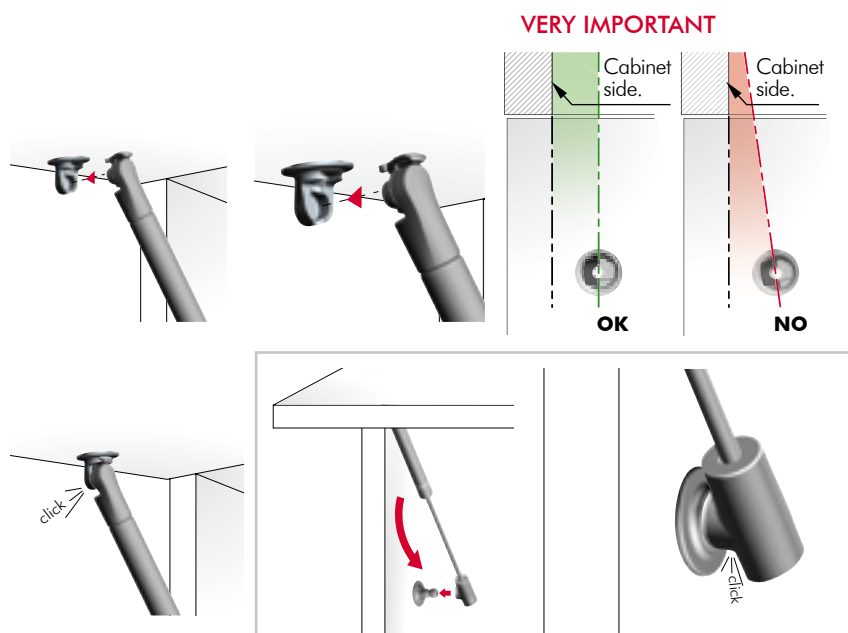
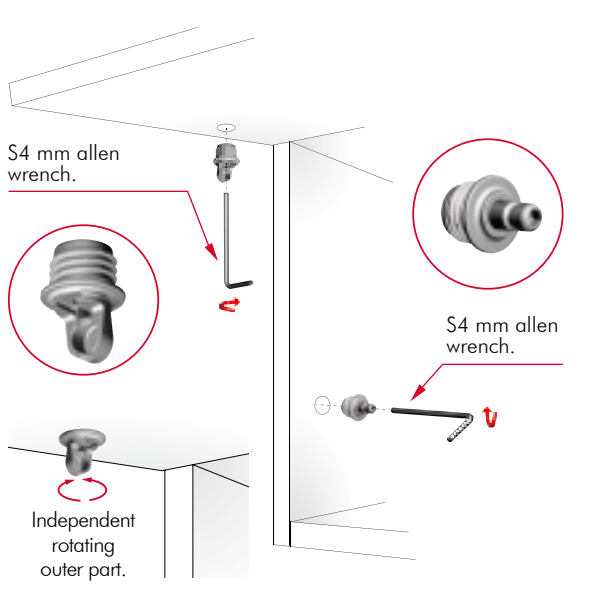
For further information: www.italianaferramenta.com > CATALOGUE > OPENING SYSTEMS

- ▶ 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 in zinc alloy nickel plated, steel and engineering plastic.
- ▶ In accordance with Italian Regulation UNI 8607/05 Level 5.

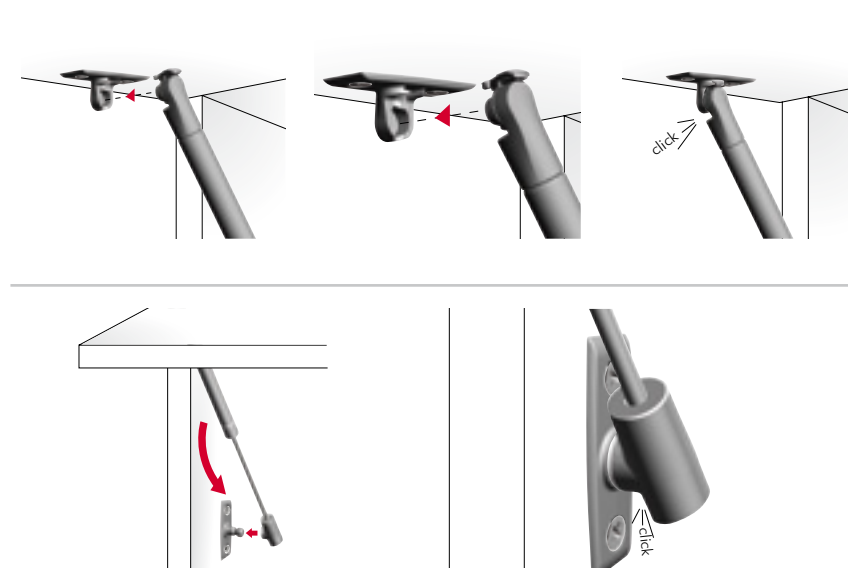
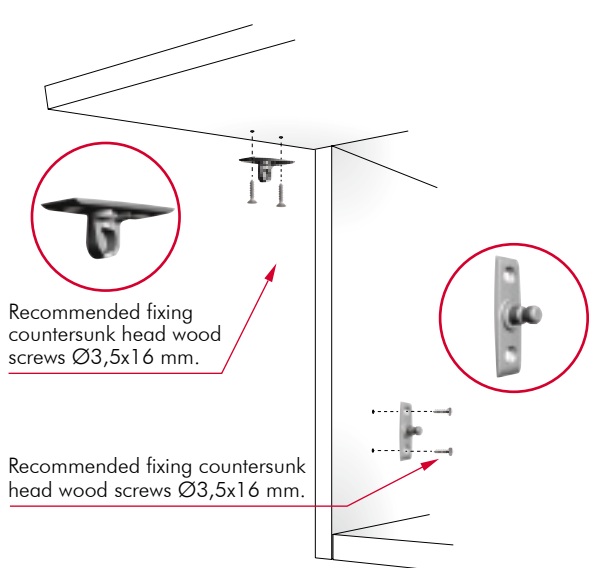


PAT.PENDING

BRACKETS Ø15 INSTALLATION



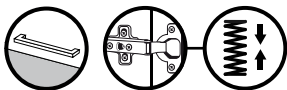
SCREW FIXING BRACKETS INSTALLATION



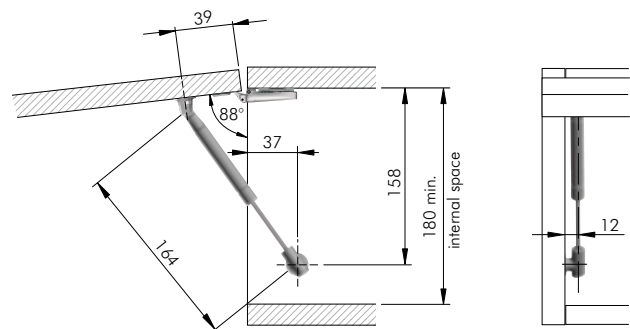
K12 LIFT UP AUTOMATIC

K12 SYSTEM 164 mm LIFT UP AUTOMATIC WITH STANDARD SPRUNG HINGES

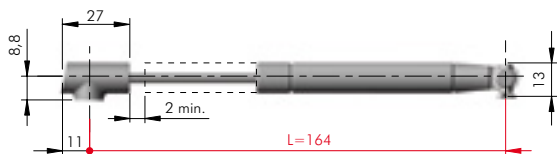
Opening with handle



DRILLING PLAN WITH BRACKETS Ø15 mm.



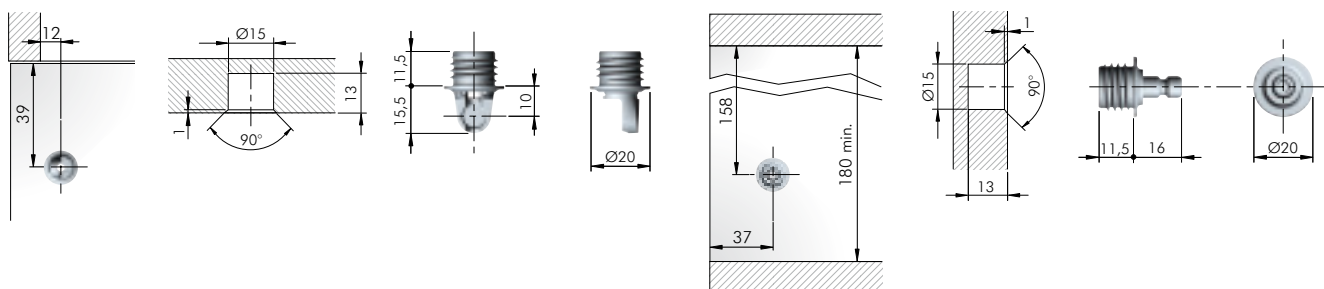
The dimensions of the above drilling plan refer to carcasses which use standard sprung hinges and mounting plates 0 mm. Please note that the opening angle shown data is purely indicative and it varies with respect to the hinge brand.



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

ITEM 94 | **DOOR BRACKET Ø15 mm**
FINISH | ZINC ALLOY NICKEL-PLATED AND STEEL | RIH2058

ITEM 93 | **SIDE BRACKET Ø15 mm**
FINISH | ZINC ALLOY NICKEL-PLATED AND STEEL | RIH2057



K12 SYSTEM 164 mm LIFT UP AUTOMATIC VERSION

© On demand: 50N - 80N - 100N - 120N

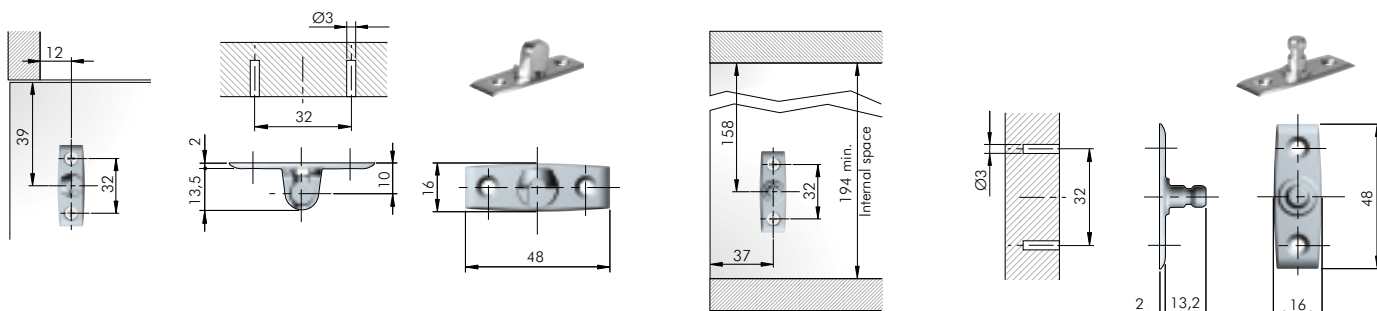
Rev. 01 Kg

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	2 x 50N						2 x 100N			2 x 120N		3 x 120N		4 x 100N		4 x 120N	
250	2 x 50N			2 x 80N			2 x 100N			2 x 120N		3 x 120N		4 x 100N		4 x 120N	
300	2 x 50N		2 x 80N		2 x 100N		2 x 120N		3 x 100N		3 x 120N		4 x 100N		4 x 120N		

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.

ITEM 96 | **DOOR BRACKETS SCREW FIX**
FINISH | ZINC ALLOY NICKEL-PLATED | RIH2060

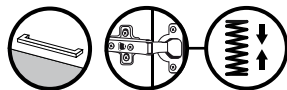
ITEM 95 | **SIDE BRACKET SCREW FIX**
FINISH | ZINC ALLOY NICKEL-PLATED | RIH2059



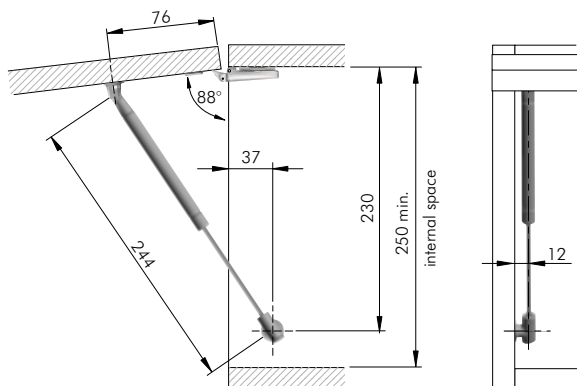
K12 LIFT UP AUTOMATIC

K12 SYSTEM 244 mm LIFT UP AUTOMATIC WITH STANDARD SPRUNG HINGES

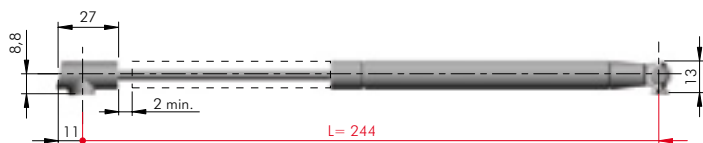
Opening with handle



DRILLING PLAN WITH BRACKETS Ø15 mm.



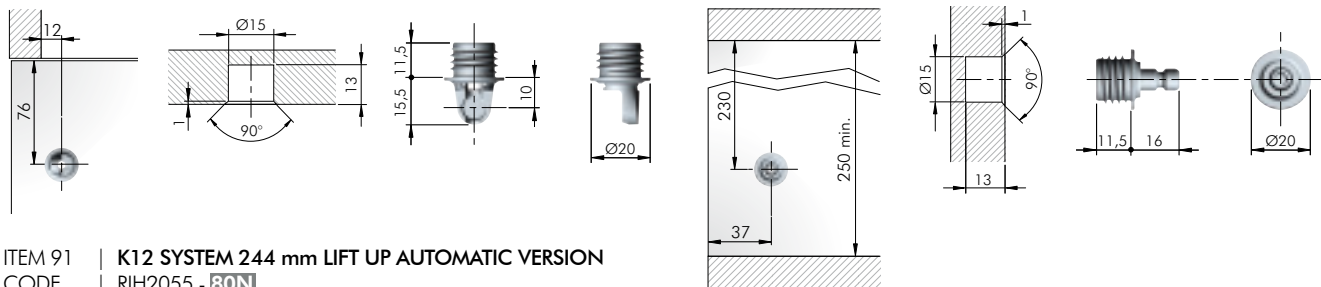
The dimensions of the above drilling plan refer to carcasses which use standard sprung hinges and mounting plates 0 mm. Please note that the opening angle shown data is purely indicative and it varies with respect to the hinge brand.



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

ITEM 94 | **DOOR BRACKET Ø15 mm**
FINISH | ZINC ALLOY NICKEL-PLATED AND STEEL | RIH2058

ITEM 93 | **SIDE BRACKET Ø15 mm**
FINISH | ZINC ALLOY NICKEL-PLATED AND STEEL | RIH2057



ITEM 91 | **K12 SYSTEM 244 mm LIFT UP AUTOMATIC VERSION**
CODE | RIH2055 - **80N**

⊗ On demand: 50N - 100N - 120N - 140N - 160N - 180N

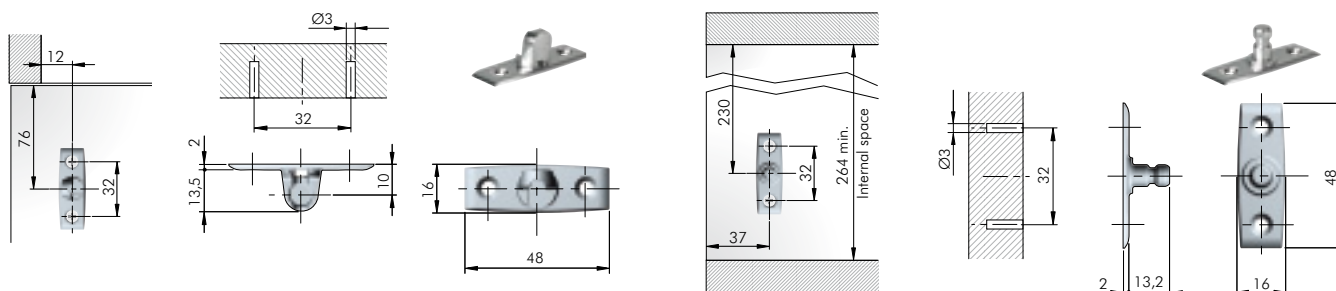
Rev. 01 Kg

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	14	14,5	15	15,5	16	16,5	17	17,5
300	1 x 50N	1 x 80N	2 x 50N	2 x 80N									2 x 100N	2 x 120N	2 x 140N	2 x 160N	2 x 180N			3 x 140N	3 x 160N													
350	1 x 50N	1 x 80N	2 x 50N	2 x 80N						2 x 100N	2 x 120N	2 x 140N	2 x 160N	2 x 180N				3 x 140N	3 x 160N															
400	1 x 50N	1 x 80N	2 x 50N	2 x 80N			2 x 100N	2 x 120N	2 x 140N	2 x 160N	2 x 180N				3 x 140N			3 x 160N																
450	1 x 50N	2 x 50N		2 x 80N			2 x 100N	2 x 120N	2 x 140N	2 x 160N	2 x 180N		3 x 160N	3 x 180N	4 x 160N		4 x 180N																	
500	1 x 50N	2 x 50N	2 x 80N	2 x 100N	2 x 120N	2 x 140N	2 x 160N	2 x 180N	3 x 160N		3 x 180N		4 x 160N		4 x 180N																			

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.

ITEM 96 | **DOOR BRACKETS SCREW FIX**
FINISH | ZINC ALLOY NICKEL-PLATED | RIH2060

ITEM 95 | **SIDE BRACKET SCREW FIX**
FINISH | ZINC ALLOY NICKEL-PLATED | RIH2059

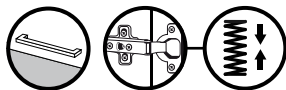


K12 LIFT UP AUTOMATIC

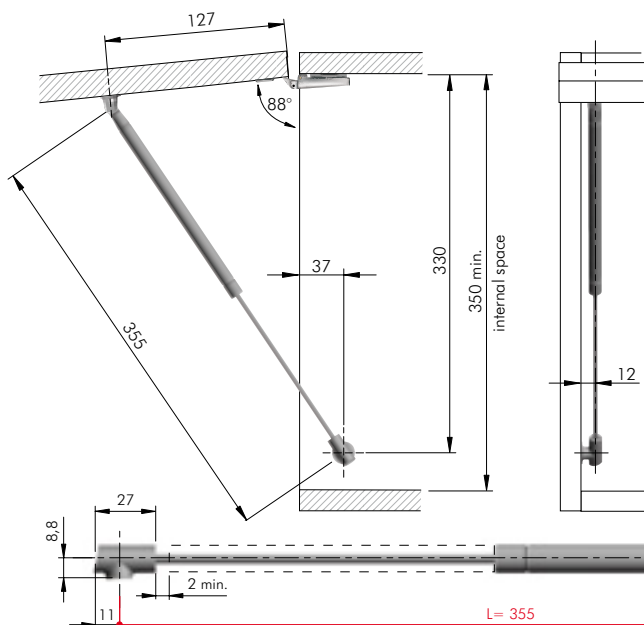


K12 SYSTEM 355 mm LIFT UP AUTOMATIC WITH STANDARD SPRUNG HINGES

Opening with handle



DRILLING PLAN WITH BRACKETS Ø15 mm.



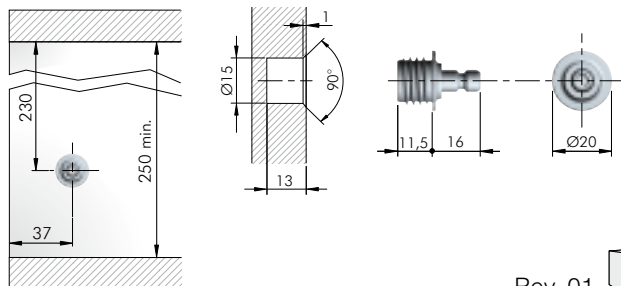
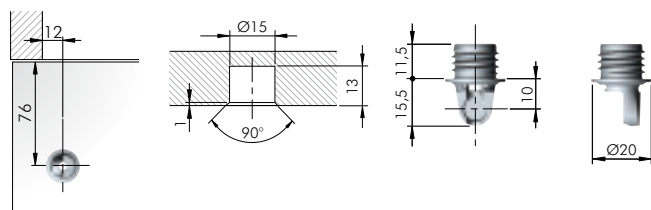
The dimensions of the side drilling plan refer to carcasses which use standard sprung hinges and mounting plates 0 mm. Please note that the opening angle shown data is purely indicative and it varies with respect to the hinge brand.

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



ITEM 94 | **DOOR BRACKET Ø15 mm**
FINISH | ZINC ALLOY NICKEL-PLATED AND STEEL | RIH2058

ITEM 93 | **SIDE BRACKET Ø15 mm**
FINISH | ZINC ALLOY NICKEL-PLATED AND STEEL | RIH2057



K12 SYSTEM 355 mm LIFT UP AUTOMATIC VERSION

On demand: 60N - 90N - 110N - 130N

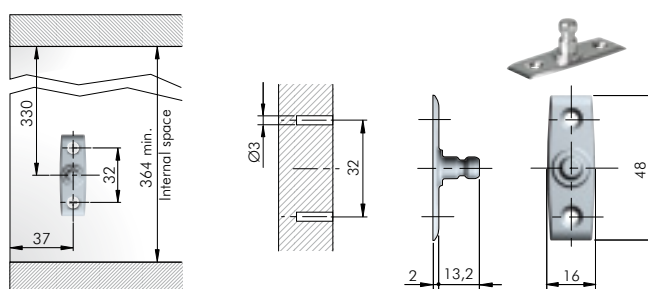
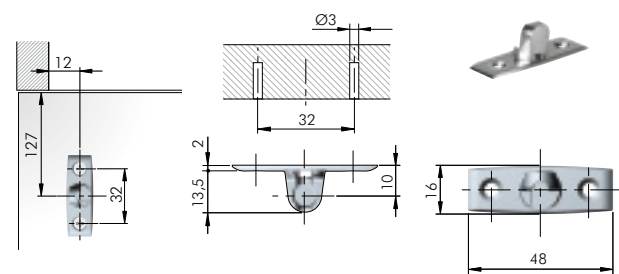
Rev. 01 Kg

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	14	14,5	15	15,5	16	16,5	17	17,5
400	1 x 60N		1 x 90N		2 x 60N				2 x 90N				2 x 110N				2 x 130N				3 x 110N				3 x 130N									
450	1 x 60N		1 x 90N		2 x 60N				2 x 90N				2 x 110N				2 x 130N				3 x 110N				3 x 130N				4 x 110N					
500	1 x 60N		1 x 90N		2 x 60N				2 x 90N				2 x 110N				2 x 130N				3 x 110N				3 x 130N				4 x 110N					
550	1 x 60N		1 x 90N		2 x 60N		2 x 90N				2 x 110N				2 x 130N				3 x 110N				3 x 130N				4 x 110N				4 x 130N			
600	1 x 90N		2 x 60N		2 x 90N		2 x 110N				2 x 130N				3 x 110N				3 x 130N				4 x 110N				4 x 130N							

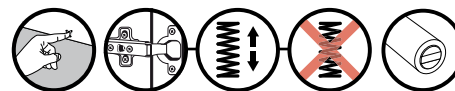
These are experimental results to be checked by the customer. Our Technical Department is at your disposal to test further cases out of this chart.

ITEM 96 | **DOOR BRACKETS SCREW FIX**
FINISH | ZINC ALLOY NICKEL-PLATED | RIH2060

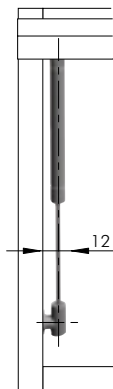
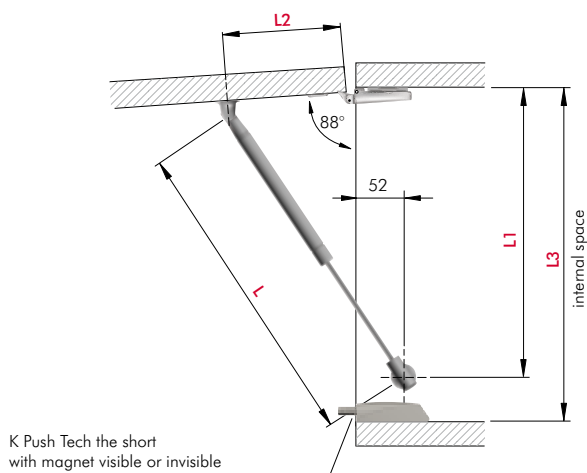
ITEM 95 | **SIDE BRACKET SCREW FIX**
FINISH | ZINC ALLOY NICKEL-PLATED | RIH2059



K12 SYSTEM LIFT UP WITH STANDARD UNSPRUNG OR NEGATIVE HINGES Automatic opening door with K Push Tech the short with magnet



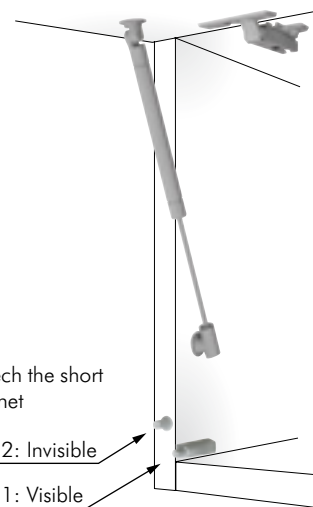
DRILLING PLAN WITH BRACKETS Ø15 mm.



K Push Tech the short with magnet

OPTION 2: Invisible

OPTION 1: Visible



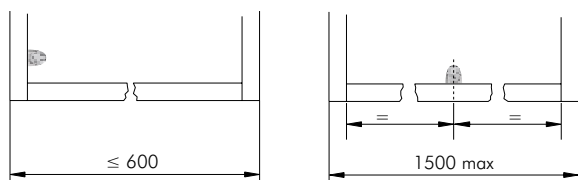
For pistons quantity and strenght to be specified according to door size, refer to the related K12 System lift up automatic chart.

	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 drilling plans refer to carcasses which use standard unsprung or negative 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.

INSTALLATION OF K PUSH TECH THE SHORT WITH MAGNET THROUGH ADAPTER HOUSING

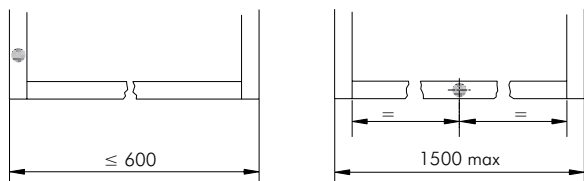
OPTION 1: VISIBLE



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

INSTALLATION OF K PUSH TECH THE SHORT WITH MAGNET 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 ALUMINIUM ADAPTERS

K12 SYSTEM ADAPTER FOR ALUMINIUM FRAME DOOR 20 mm WIDE WITH CABINET SIDE 16 mm THICK

Zinc alloy nickel-plated

Ⓢ On Demand

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

VERY IMPORTANT:
For cabinet side 18 mm thick a different adapter is required.

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

Steel nickel-plated

Ⓢ On Demand



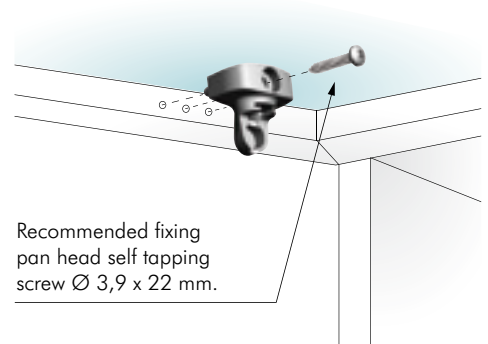
TRILOBULAR SCREW COUNTERSUNK HEAD M4 X 8 MM

Steel nickel-plated

Ⓢ On Demand



INSTALLATION



K12 SYSTEM APPLICATION FOR ALUMINIUM FRAME DOOR MINIMUM 40 mm WIDE

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

ITEM 96 | DOOR BRACKETS SCREW FIX
FINISH | ZINC ALLOY NICKEL-PLATED | RIH2060

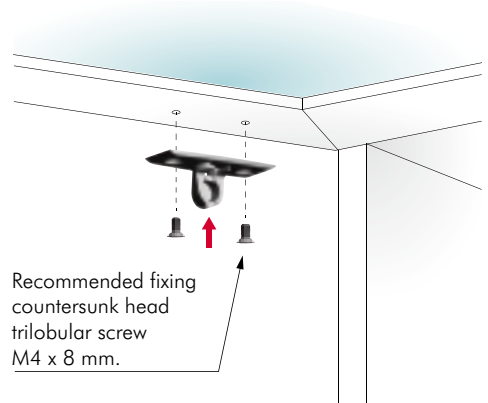
TRILOBULAR SCREW COUNTERSUNK HEAD M4 X 8 MM

Steel nickel-plated

Ⓢ On Demand



INSTALLATION





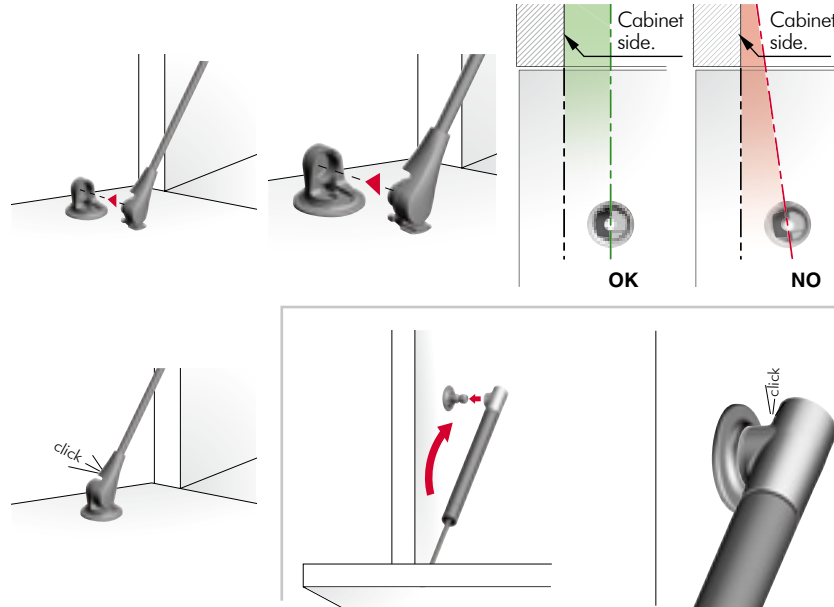
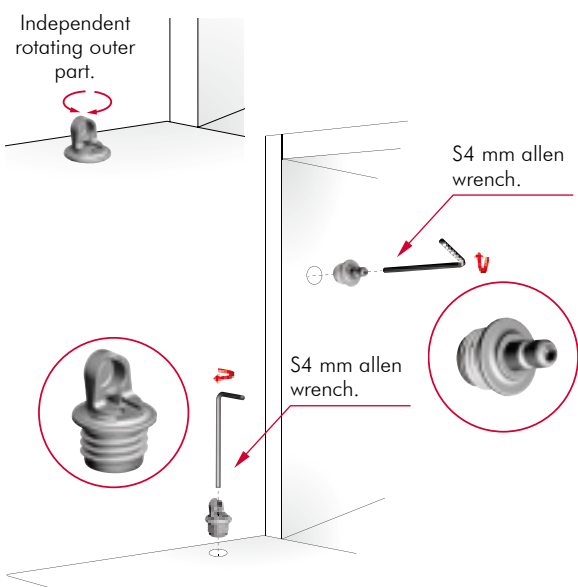
For further information: www.italianaferramenta.com > CATALOGUE > OPENING SYSTEMS

- ▶ 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 in zinc alloy nickel plated, steel and engineering plastic.
- ▶ In accordance with Italian Regulation UNI 8607/05 Level 5.

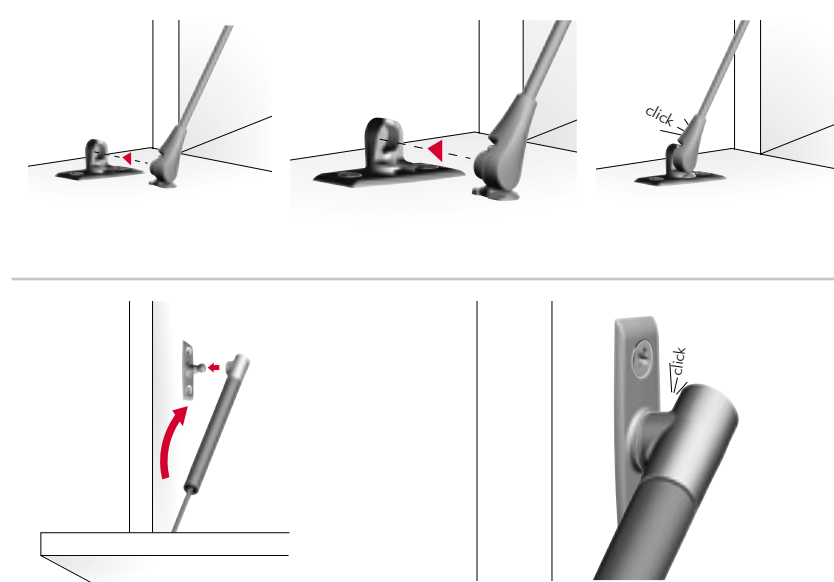
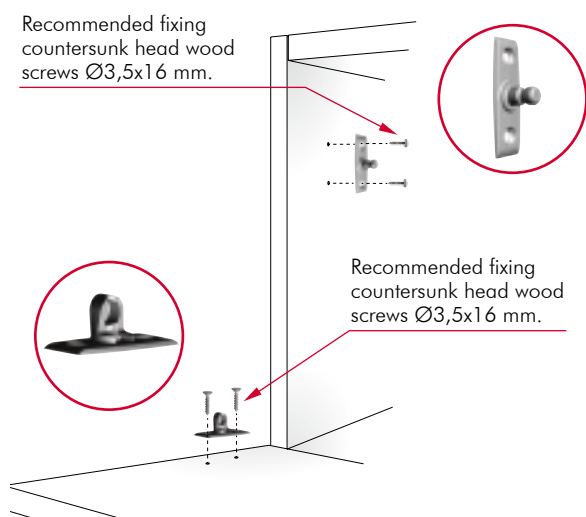


PAT.PENDING

BRACKETS Ø15 INSTALLATION

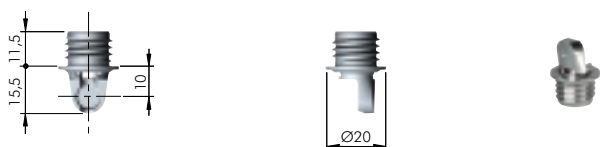


SCREW FIXING BRACKETS INSTALLATION

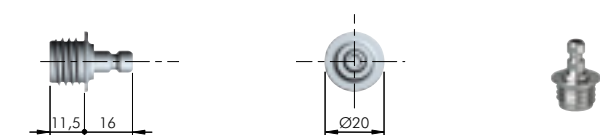




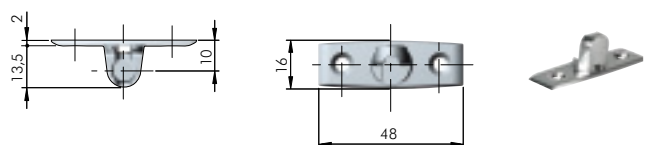
ITEM 94 | DOOR BRACKET Ø15 mm
FINISH | ZINC ALLOY NICKEL-PLATED AND STEEL | RIH2058



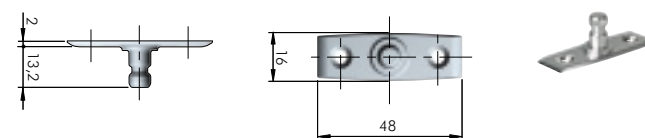
ITEM 93 | SIDE BRACKET Ø15 mm
FINISH | ZINC ALLOY NICKEL-PLATED AND STEEL | RIH2057



ITEM 96 | DOOR BRACKETS SCREW FIX
FINISH | ZINC ALLOY NICKEL-PLATED | RIH2060



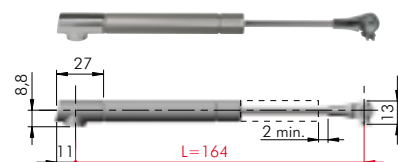
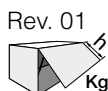
ITEM 95 | SIDE BRACKET SCREW FIX
FINISH | ZINC ALLOY NICKEL-PLATED | RIH2059



K12 SYSTEM 164 mm DROP DOWN - "ZERO" N

On demand

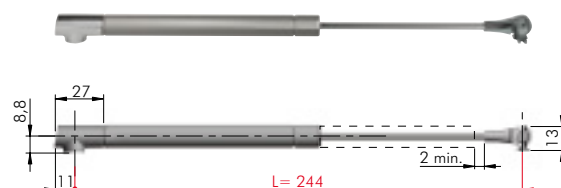
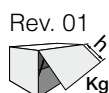
h	DOOR WEIGHT (kg)										
	1	2	3	4	5	6	7	8	9	10	11
200	1 x K12	2 x K12	3 x K12	4 x K12							
250	1 x K12	2 x K12	3 x K12	4 x K12							
300	1 x K12	2 x K12	3 x K12	4 x K12							



ITEM 92 | K12 SYSTEM 244 mm DROP DOWN - "ZERO" N

CODE | RIH2056

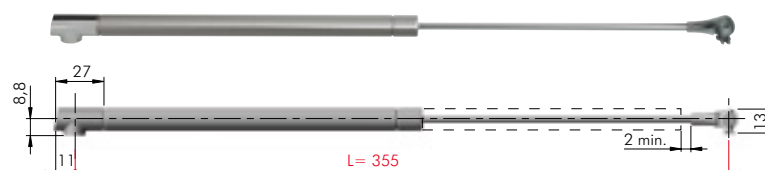
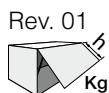
h	DOOR WEIGHT (kg)																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
300	1 x K12	2 x K12	3 x K12	4 x K12														
350	1 x K12	2 x K12	3 x K12	4 x K12														
400	1 x K12	2 x K12	3 x K12	4 x K12														
450	1 x K12	2 x K12	3 x K12	4 x K12														
500	1 x K12	2 x K12	3 x K12	4 x K12														



K12 SYSTEM 355 mm DROP DOWN - "ZERO" N

On demand

h	DOOR WEIGHT (kg)																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
400				1 x K12	2 x K12	3 x K12												
450				1 x K12	2 x K12	3 x K12	4 x K12											
500			1 x K12	2 x K12	3 x K12	4 x K12												
550		1 x K12	2 x K12	3 x K12	4 x K12													
600	1 x K12	2 x K12	3 x K12	4 x K12														

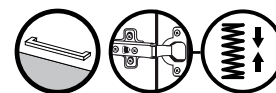


ALL PARTS (STAY EXCLUDED) ARE IN ZINC ALLOY NICKEL-PLATED, STEEL AND PLASTIC.

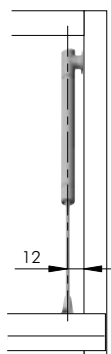
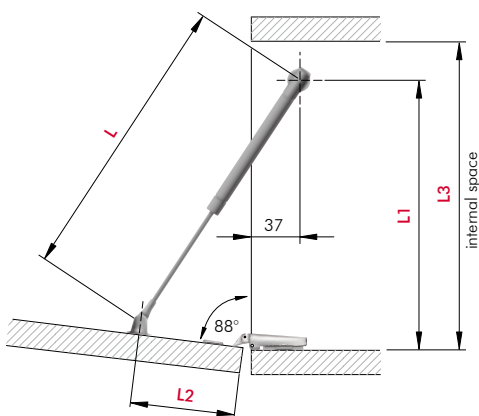
These are experimental results to be checked by the customer. In accordance with the actual European Regulation, we suggest to use at least two stays for each door (extra-size doors might require 3 or more gas stays). Our Technical Department is at your disposal to test further cases out of this chart.

K12 SYSTEM DROP DOWN WITH STANDARD SPRUNG HINGES

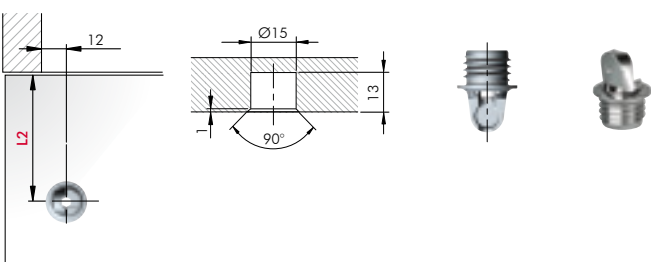
Opening with handle



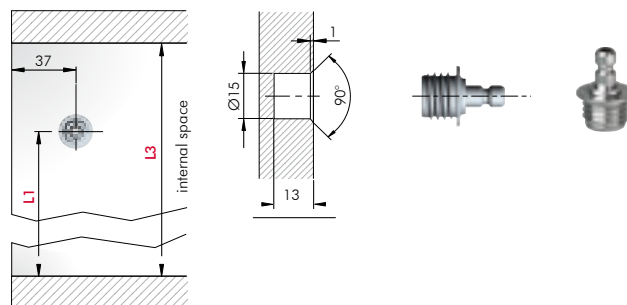
DRILLING PLAN WITH BRACKETS Ø 15mm



DOOR BRACKET Ø15 mm



SIDE BRACKET Ø15 mm

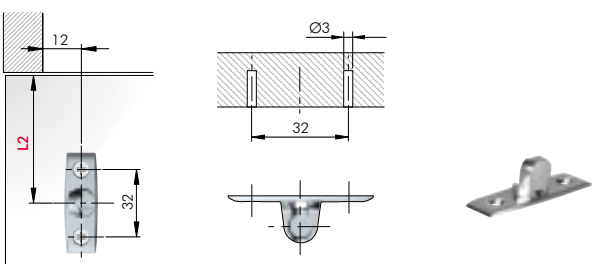


For pistons quantity to be specified according to door size, refer to related K12 System drop down chart.

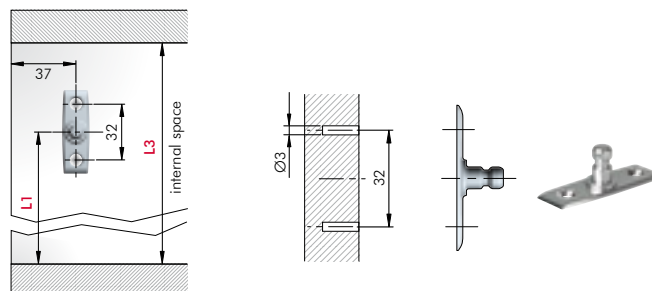
	L	L1	L2	L3 Ø 15 mm	L3 screw fix
K12 System 164 mm	164	158	39	180 min	194 min
K12 System 244 mm	244	230	76	250 min	264 min
K12 System 355 mm	355	330	127	350 min	364 min

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.

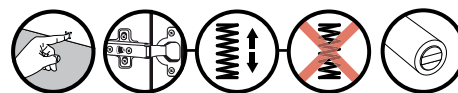
DRILLING PLAN WITH DOOR BRACKET SCREW FIX



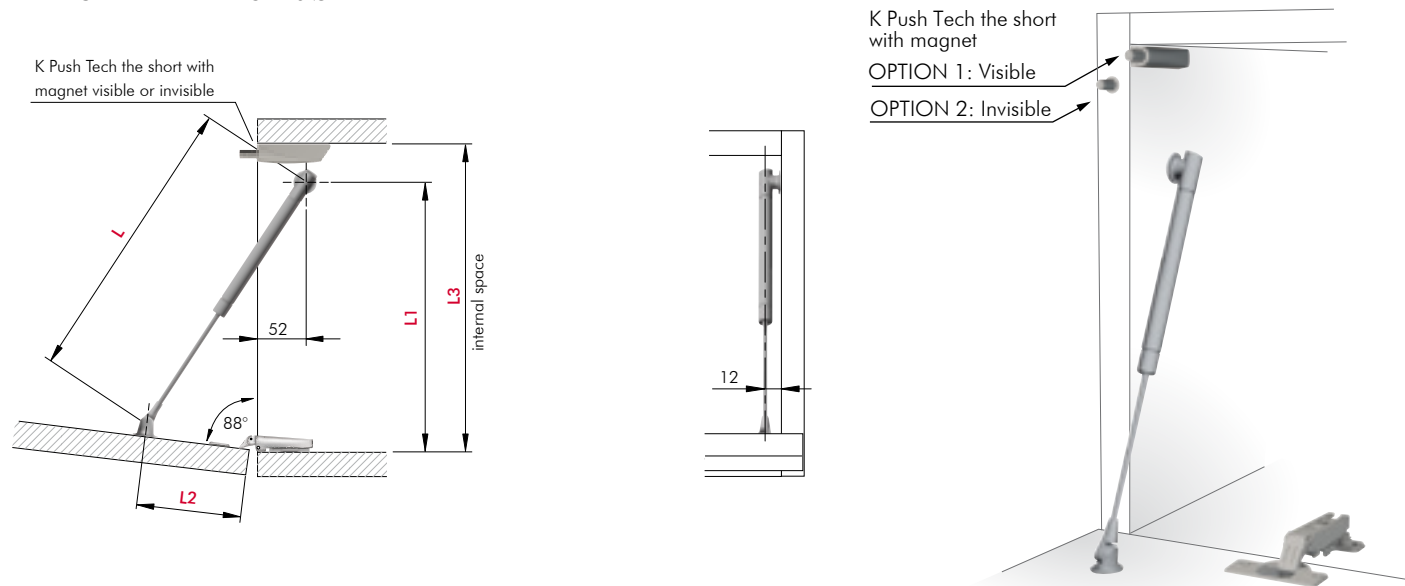
DRILLING PLAN WITH SIDE BRACKET SCREW FIX



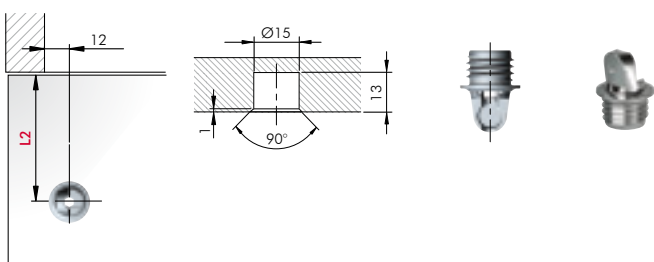
K12 SYSTEM DROP DOWN WITH STANDARD UNSPRUNG OR NEGATIVE HINGES Automatic opening door with K Push Tech the short with magnet



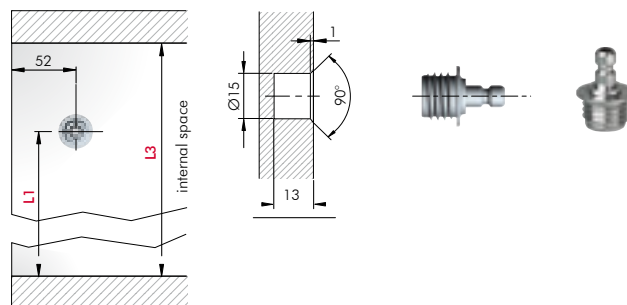
DRILLING PLAN WITH BRACKETS Ø 15mm



DOOR BRACKET Ø15 mm



SIDE BRACKET Ø15 mm

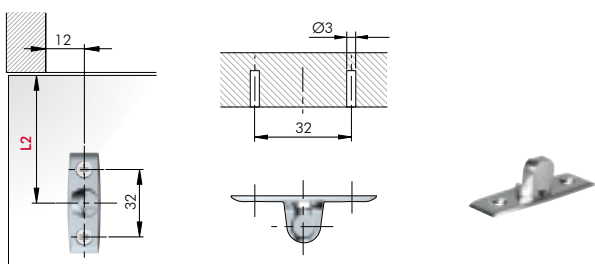


For pistons quantity to be specified according to door size, refer to related K12 System drop down chart.

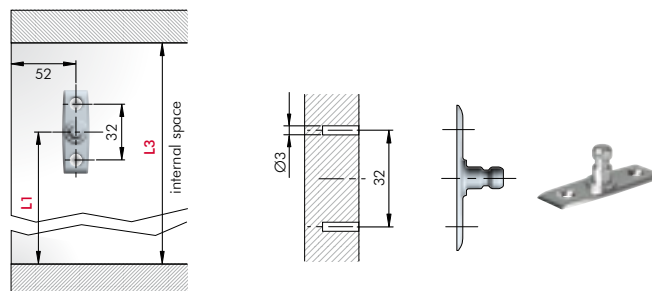
	L	L1	L2	L3 Ø 15 mm	L3 screw fix
K12 System 164 mm	164	147	41	170 min	184 min
K12 System 244 mm	244	224	71	245 min	259 min
K12 System 355 mm	355	325	121	345 min	359 min

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 shown data is purely indicative. It varies with respect to the hinge brand and adjustment carried out.

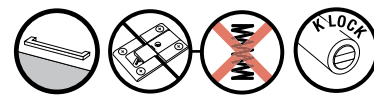
DRILLING PLAN WITH DOOR BRACKET SCREW FIX



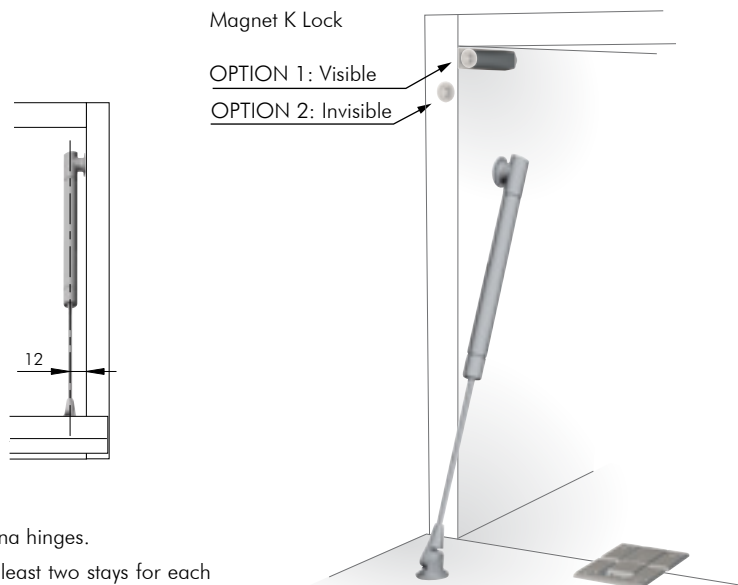
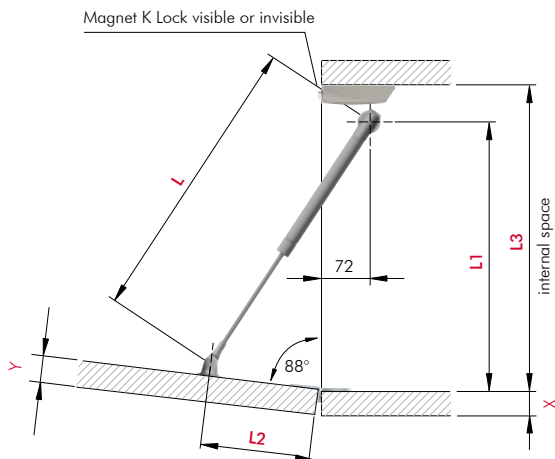
DRILLING PLAN WITH SIDE BRACKET SCREW FIX



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



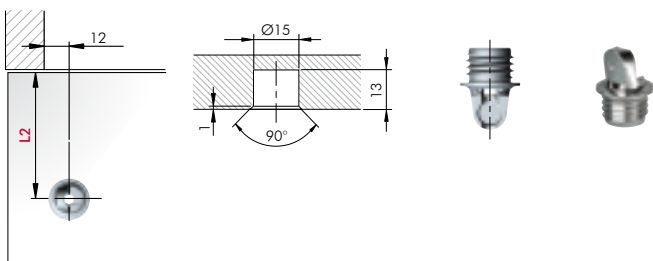
DRILLING PLAN WITH BRACKETS Ø 15mm



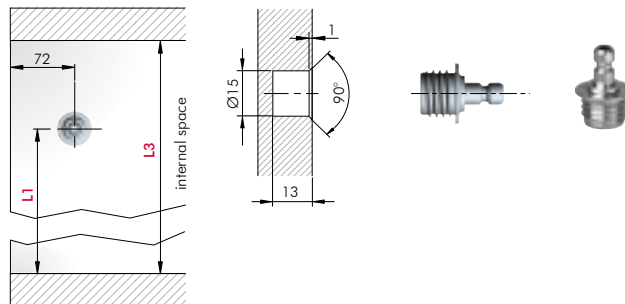
The dimensions of the above drilling plan refer to carcasses which use Kimana hinges.

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

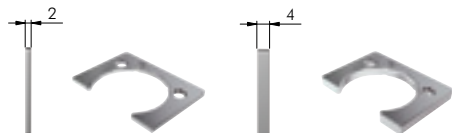
X +	Y +	L1
16 + 4	16 + 2	129
16 + 4	18	131
16 + 4	20	131
18 + 2	18	129
18 + 2	20	129

K12 SYSTEM 244 MM

X +	Y +	L1
16 + 4	16 + 2	208
16 + 4	18	210
16 + 4	20	210
18 + 2	18	208
18 + 2	20	208

K12 SYSTEM 355 MM

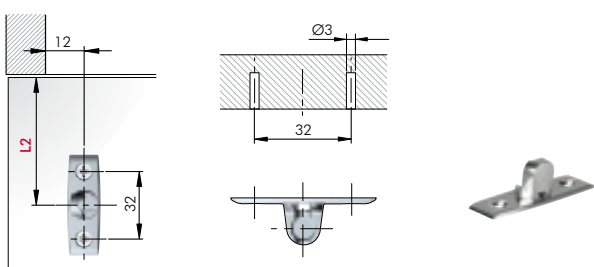
X +	Y +	L1
16 + 4	16 + 2	314
16 + 4	18	316
16 + 4	20	316
18 + 2	18	314
18 + 2	20	314



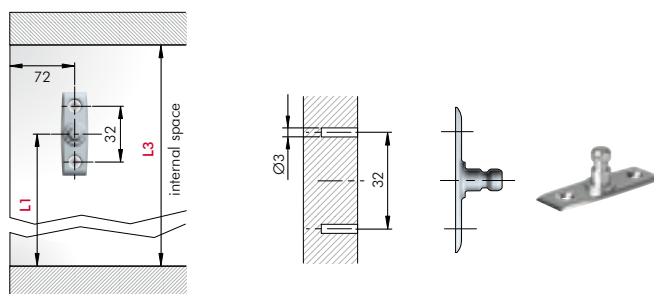
For different cabinet and door thicknesses, please contact the office.

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

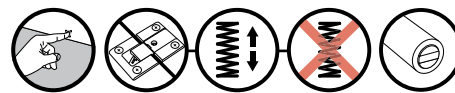
DRILLING PLAN WITH DOOR BRACKET SCREW FIX



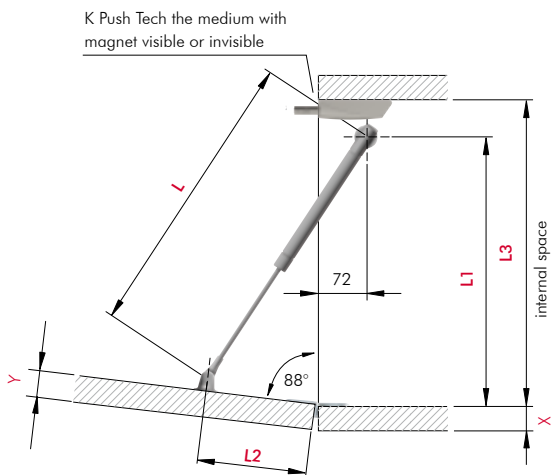
DRILLING PLAN WITH SIDE BRACKET SCREW FIX



K12 SYSTEM DROP DOWN WITH KIMANA HINGES Automatic opening door with K Push Tech the medium with magnet



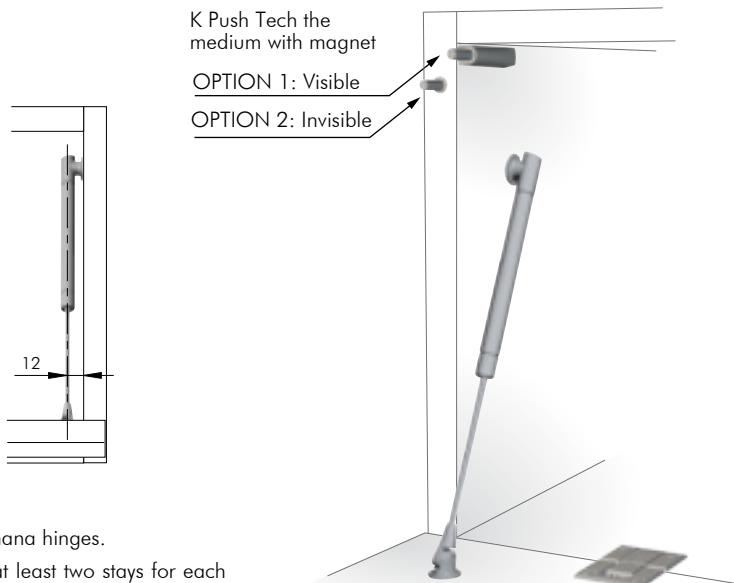
DRILLING PLAN WITH BRACKETS Ø 15mm



K Push Tech the medium with magnet

OPTION 1: Visible

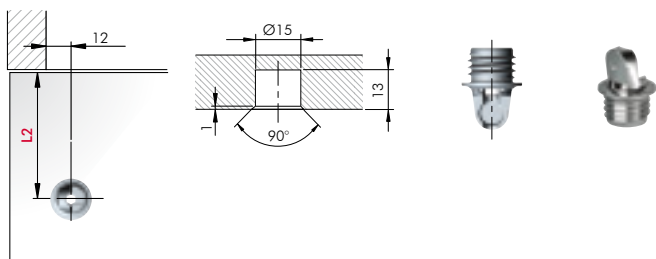
OPTION 2: Invisible



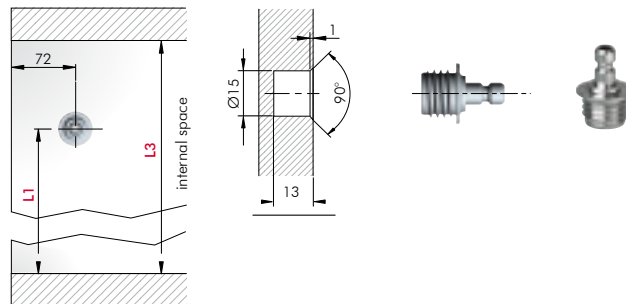
The dimensions of the above drilling plan refer to carcasses which use Kimana hinges.

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

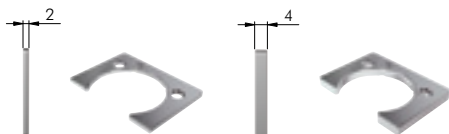
X +	Y +	L1
16 + 4	16 + 2	129
16 + 4	18	131
16 + 4	20	131
18 + 2	18	129
18 + 2	20	129

K12 SYSTEM 244 MM

X +	Y +	L1
16 + 4	16 + 2	208
16 + 4	18	210
16 + 4	20	210
18 + 2	18	208
18 + 2	20	208

K12 SYSTEM 355 MM

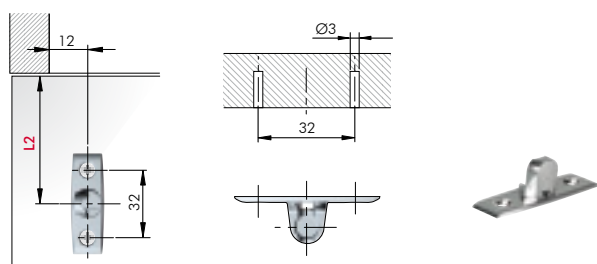
X +	Y +	L1
16 + 4	16 + 2	314
16 + 4	18	316
16 + 4	20	316
18 + 2	18	314
18 + 2	20	314



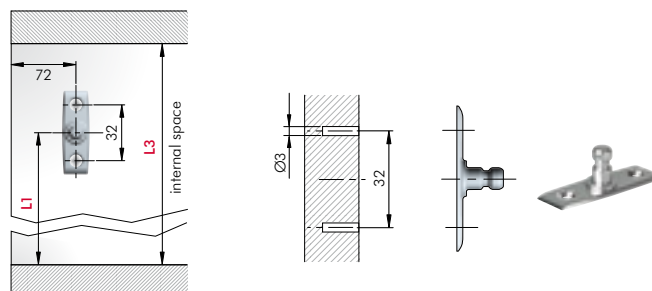
For different cabinet and door thicknesses, please contact the office.

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

DRILLING PLAN WITH DOOR BRACKET SCREW FIX



DRILLING PLAN WITH SIDE BRACKET SCREW FIX





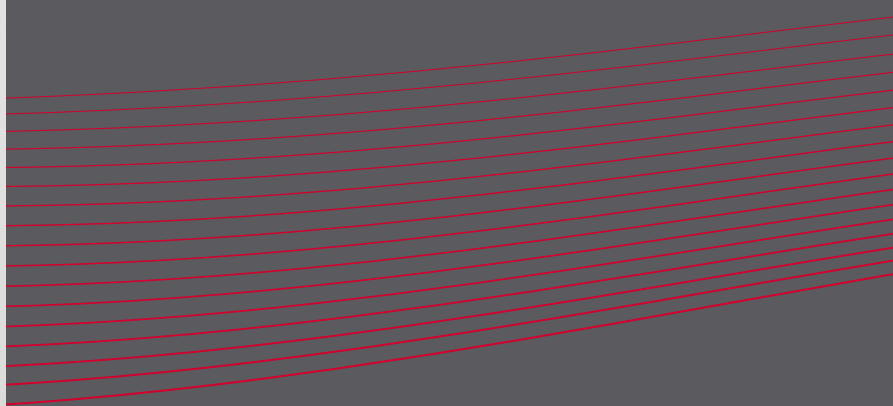
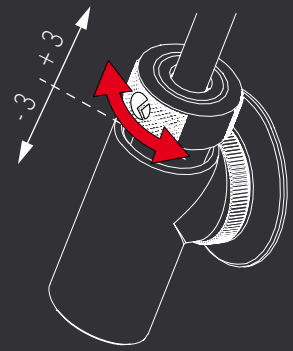
K12 System ADD

K12 SYSTEM ADJUSTABLE VERSION IS COMING...

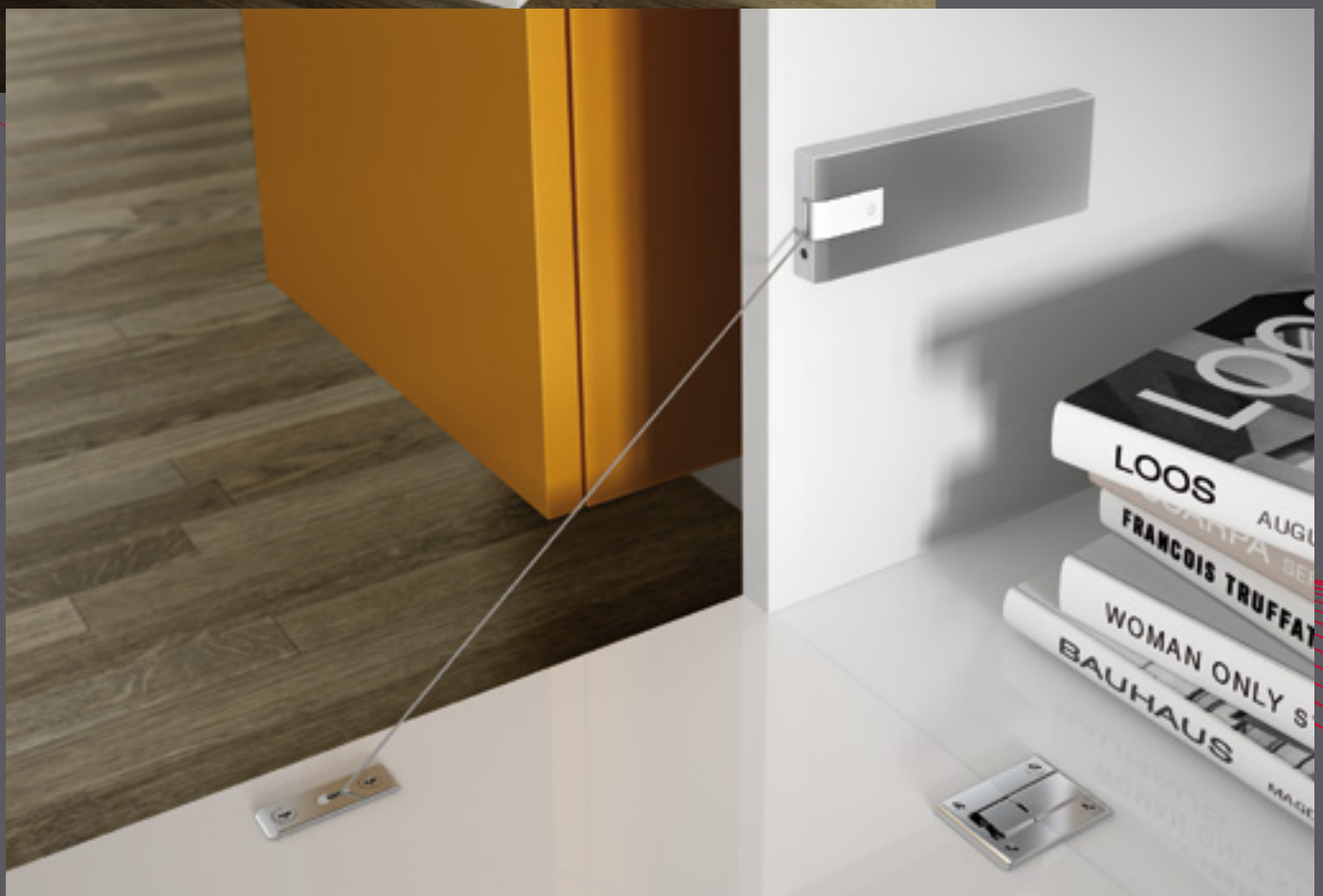




K12 SYSTEM ADJ provides an integrated mechanism for the adjustment of the opening angle, in order to align nearby doors.



Link



Link configurator

MAKE DESIGN EASIER WITH PRACTICAL APPLICATIONS

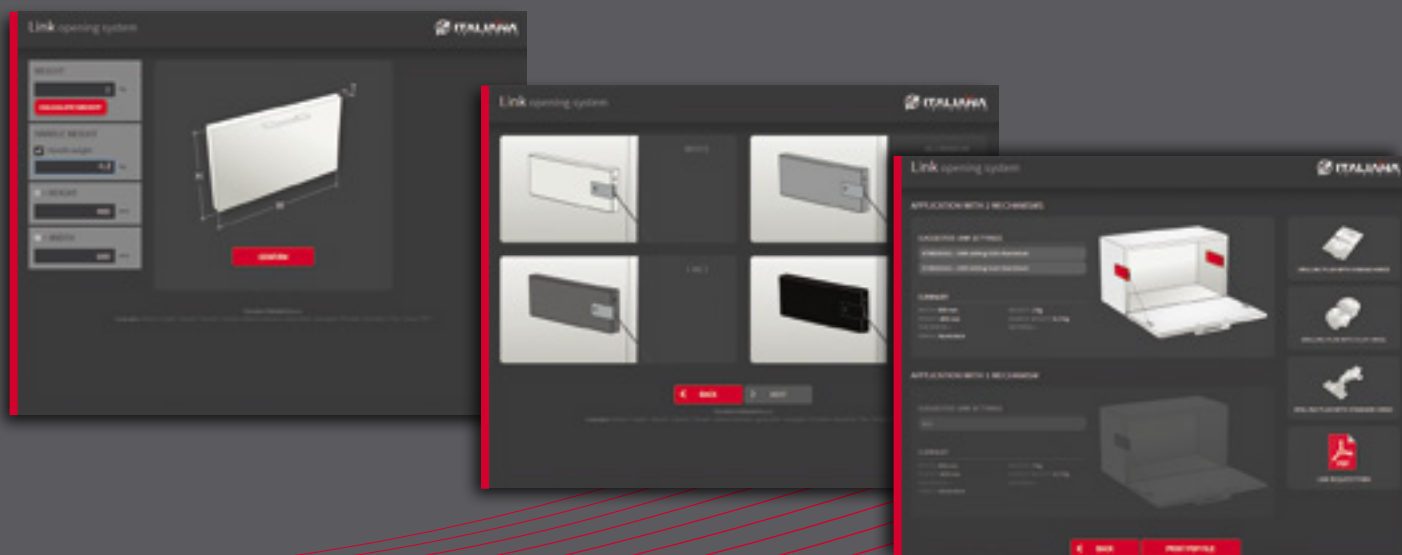
Download italiana ferramenta configurators

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

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/link/





- ▶ The freshly-designed drop-down opening system conceived by Italiana Ferramenta.
- ▶ Unhanded mechanism for cabinet sides, the only one on the market that guarantees both a soft opening and a smooth closing movement of the door.
- ▶ Installation is carried out through very simple drilling operations that don't require neither mills nor grooves.
- ▶ A complete range suits all the doors weights and dimensions.
- ▶ Suitable for very shallow cabinets with a minimum depth of 200 mm.
- ▶ Very simple installation, once the mechanism is fixed on the side, the metal wire end is pulled out and the small sphere inserted onto the narrow slot of the door bracket. The sphere catches onto the bayonet cavity and is permanently secured in position with the provided cover cap.
- ▶ Open angle adjustment carried out by using a S3 mm allen wrench, for nearby doors alignment.
- ▶ The zinc alloy nickel plated mechanism cover, as well as the door bracket, can be supplied painted on request.
- ▶ All the parts are in steel, zinc alloy and engineering plastic.

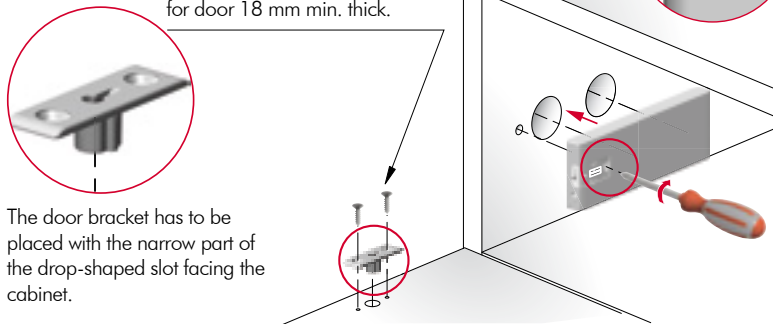


PAT.PENDING

INSTALLATION

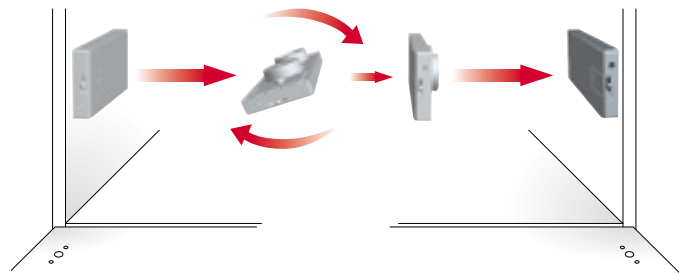
Pre-inserted screw $\varnothing 3,5 \times 16$ mm - PZ2.

Recommended fixing countersunk head wood screws $\varnothing 4 \times 18$ mm for door 18 mm min. thick.

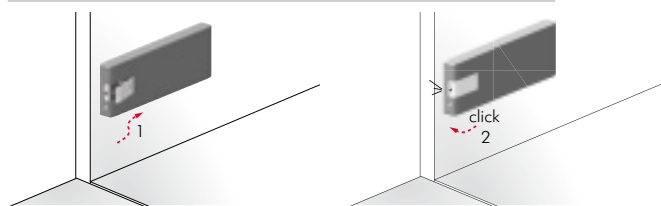


The door bracket has to be placed with the narrow part of the drop-shaped slot facing the cabinet.

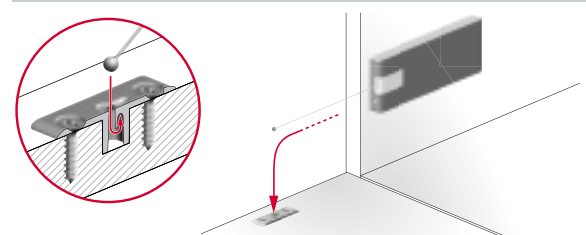
UNHANDED MECHANISM



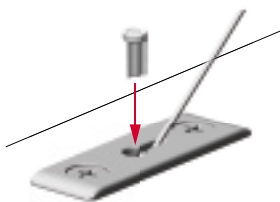
COVER CAP INSERTION



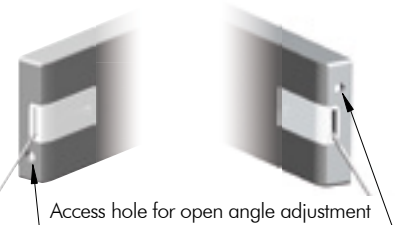
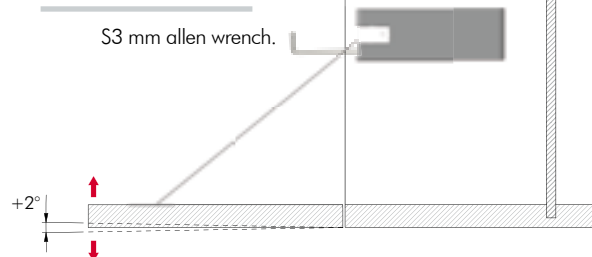
METAL WIRE INSERTION ONTO THE DOOR BRACKET



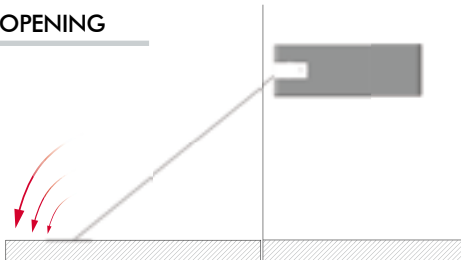
PLASTIC WIRE LOCKING



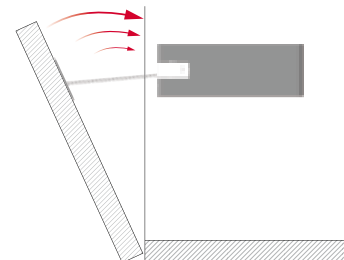
ADJUSTMENT



SOFT OPENING

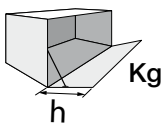
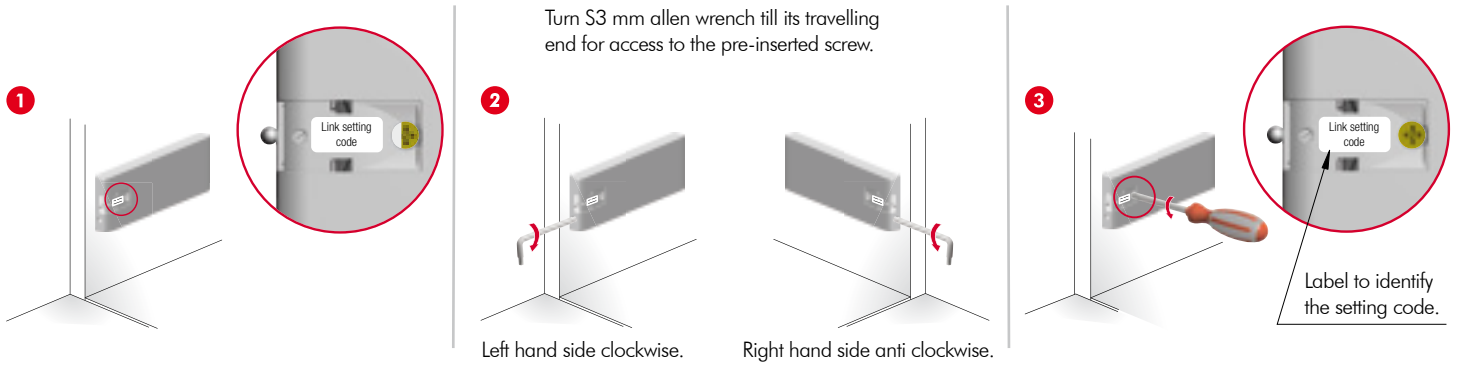


SMOOTH CLOSING



Soft opening and smooth closing are guaranteed only when opening and closing cycles are fully carried out.

LINK REMOVAL



Kg = Door weight including the possible handle.

Rev. 02

Kg	Link	h													
		250	275	300	325	350	375	400	425	450	480				
1,75	x2	-	-	-	-	-	-	-	-	A262	A262	A262	A262	A262	A262
1,75	x1	A262	N262	N262	N262	N262	N262	N262	N262	U262	U262	-	-	-	-
2,00	x2	-	-	-	-	-	-	A262	A262	A262	A262	A262	A262	A262	N262
2,00	x1	N262	N262	N262	N262	N262	N262	U262	U262	-	-	-	-	-	AL280
2,25	x2	-	-	-	-	-	-	A262	A262	A262	A262	A262	N262	A262	N262
2,25	x1	N262	N262	U262	U262	U262	U262	-	-	-	-	-	-	-	AL280
2,50	x2	-	-	A262	A262	A262	A262	A262	A262	A262	N262	A262	N262	A262	U262
2,50	x1	N262	U262	U262	U262	U262	U262	-	-	-	-	-	-	-	AL280
2,75	x2	-	-	A262	A262	A262	A262	A262	N262	A262	N262	A262	U262	A262	U262
2,75	x1	U262	U262	-	-	-	-	-	-	-	-	-	-	-	AL280
3,00	x2	A262	A262	A262	A262	A262	N262	A262	N262	A262	U262	A262	U262	N262	U262
3,00	x1	U262	-	-	-	-	-	AL280	AL280	AL280	AL280	AQ300	AQ300	AQ300	AQ300
3,25	x2	A262	A262	A262	N262	A262	N262	A262	U262	A262	U262	N262	U262	U262	U262
3,25	x1	-	-	-	-	AL280	AL280	AL280	AL280	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
3,50	x2	A262	A262	A262	N262	A262	N262	A262	U262	N262	U262	U262	U262	U262	N262
3,50	x1	-	-	-	-	AL280	AL280	AL280	AL280	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
3,75	x2	A262	N262	A262	N262	A262	U262	A262	U262	N262	U262	U262	U262	N262	AL280
3,75	x1	-	-	-	-	AL280	AL280	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ335	AQ335
4,00	x2	A262	N262	A262	U262	A262	U262	N262	U262	U262	U262	N262	AL262	U262	AL280
4,00	x1	-	-	-	-	AL280	AL280	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ335	AQ335
4,25	x2	A262	N262	A262	U262	N262	U262	U262	U262	U262	U262	N262	AL280	U262	AL280
4,25	x1	-	-	-	-	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ335	AQ335
4,50	x2	A262	U262	A262	U262	N262	U262	U262	U262	N262	AL280	U262	AL280	U262	AL280
4,50	x1	AL280	AL280	AL280	AL280	AQ300	AQ300	AQ300	AQ300	AQ335	AQ335	AQ335	AQ335	-	-
4,75	x2	A262	U262	N262	U262	U262	U262	N262	AL280	U262	AL280	U262	AL280	AL280	AL280
4,75	x1	AL280	AQ300	AQ300	AQ300	AQ300	AQ300	AQ335	AQ335	AQ335	AQ335	-	-	-	-
5,00	x2	N262	U262	N262	U262	U262	U262	N262	AL280	U262	AL280	AL280	AL280	AL280	AL280
5,00	x1	AL280	AQ300	AQ300	AQ300	AQ300	AQ300	AQ335	AQ335	-	-	-	-	-	-
5,25	x2	N262	U262	U262	U262	U262	U262	N262	AL280	U262	AL280	AL280	AL280	AL280	AL280
5,25	x1	AL280	AQ300	AQ300	AQ300	AQ300	AQ335	AQ335	AQ335	-	-	-	-	-	-
5,50	x2	N262	U262	U262	U262	N262	AL280	U262	AL280	AL280	AL280	AL280	AL280	AL280	AL280
5,50	x1	AL280	AQ300	AQ300	AQ335	AQ335	AQ335	-	-	-	-	-	-	-	-
5,75	x2	U262	U262	U262	U262	N262	AL280	U262	AL280	AL280	AL280	AL280	AL280	AL280	AL280
5,75	x1	AQ300	AQ300	AQ300	AQ335	AQ335	AQ335	-	-	-	-	-	-	-	-
6,00	x2	U262	U262	N262	AL280	U262	AL280	U262	AL280	AL280	AL280	AL280	AL280	AL280	AL280
6,00	x1	AQ300	AQ335	AQ335	AQ335	-	-	-	-	-	-	-	-	-	-
6,25	x2	U262	U262	N262	AL280	U262	AL280	U262	AL280	AL280	AL280	AL280	AL280	AL280	AL280
6,25	x1	AQ300	AQ335	AQ335	AQ335	-	-	-	-	-	-	-	-	-	-
6,50	x2	N262	AL280	U262	AL280	U262	AL280	AL280	AL280	AL280	AL280	AL280	AL280	AQ300	AQ300
6,50	x1	AQ335	AQ335	-	-	-	-	-	-	-	-	-	-	-	-
6,75	x2	N262	AL280	U262	AL280	U262	AL280	AL280	AL280	AL280	AL280	AL280	AL280	AQ300	AQ300
6,75	x1	AQ335	AQ335	-	-	-	-	-	-	-	-	-	-	-	-
7,00	x2	U262	AL280	U262	AL280	AL280	AL280	AL280	AL280	AL280	AL280	AL280	AL280	AQ300	AQ300
7,00	x1	AQ335	AQ335	-	-	-	-	-	-	-	-	-	-	-	-
7,50	x2	U262	AL280	AL280	AL280	AL280	AL280	AL280	AL280	AL280	AL280	AL280	AL280	AQ300	AQ300
7,50	x1	AQ335	-	-	-	-	-	-	-	-	-	-	-	-	-
8,00	x2	U262	AL280	AL280	AL280	AL280	AL280	AL280	AL280	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
8,25	x2	AL280	AL280	AL280	AL280	AL280	AQ300	AL280	AQ300	AQ300	AQ300	AQ300	AQ300	AQ335	AQ335
8,50	x2	AL280	AL280	AL280	AL280	AL280	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ335	AQ335
8,75	x2	AL280	AL280	AL280	AL280	AL280	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ335	AQ335
9,00	x2	AL280	AL280	AL280	AQ300	AL280	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ335	AQ335

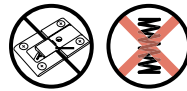
CODE SETTINGS: A262, N262, U262, AL280 *

CODE SETTINGS: AL280, AQ300, AQ335

* For alternative applications with 1 mechanism LINK only, the remaining settings AQ300 - AQ335 might be required.

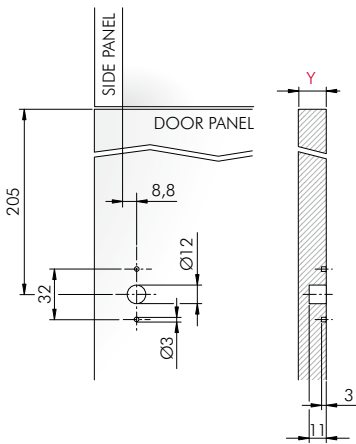
These are experimental results to be checked by the customer.

In accordance with the European Regulation, we suggest to use two LINK mechanisms for each door. In case the door weight/dimensions are bigger than those reported on the chart, three or more LINK mechanisms might be used. Our Technical Department is at your disposal to test further cases out of this chart.

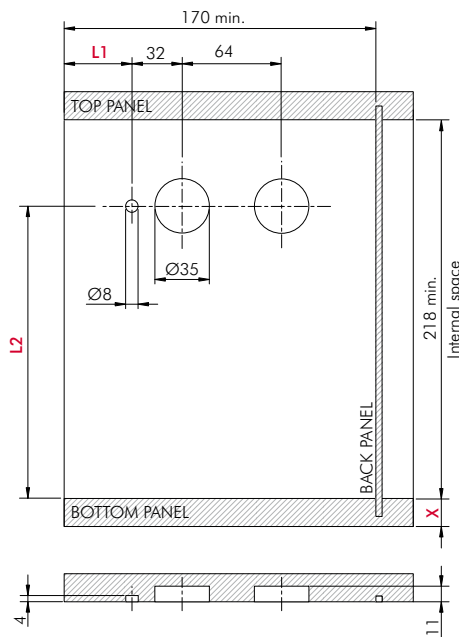


LINK WITH KIMANA HINGES

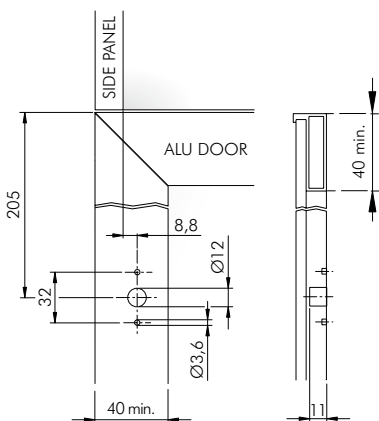
DOOR PANEL DRILLING PLAN



SIDE PANEL DRILLING PLAN

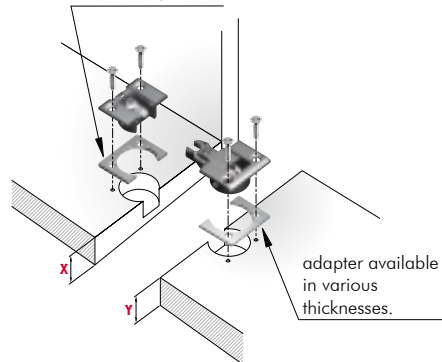


APPLICATION FOR ALUMINIUM FRAME DOOR MIN. 40 mm WIDE

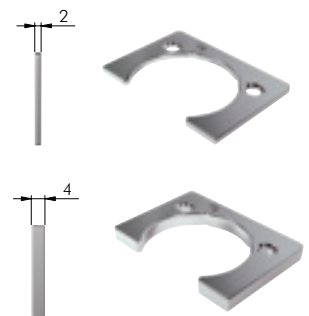


Recommended fixing countersunk head trilobular screw M4 x 8 mm.

adapter available in various thicknesses.



X +	Y +	L1	L2
16 + 4	16 + 2	43	190
16 + 4	18	44	190
16 + 4	20	44	190
18 + 2	18	44	189
18 + 2	20	44	189



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 next page to provide the required specifications.

TRILOBULAR SCREW COUNTERSUNK HEAD M4 X 8 MM

Steel nickel-plated

On demand



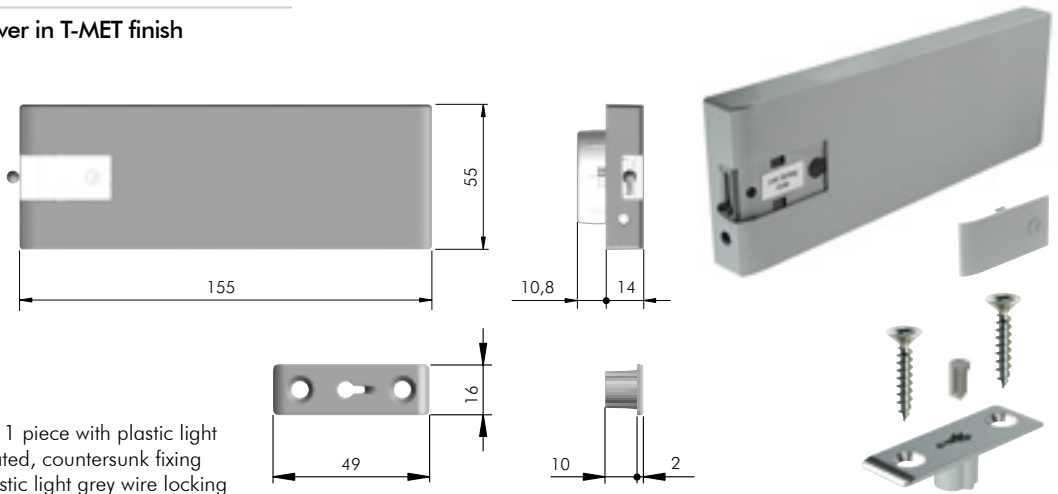
ITEM 123 | LINK with zinc alloy cover in T-MET finish



- RIH2115 A262
- RIH2116 N262
- RIH2067 U262
- RIH2117 AL280

- On demand AQ300
- On demand AQ335

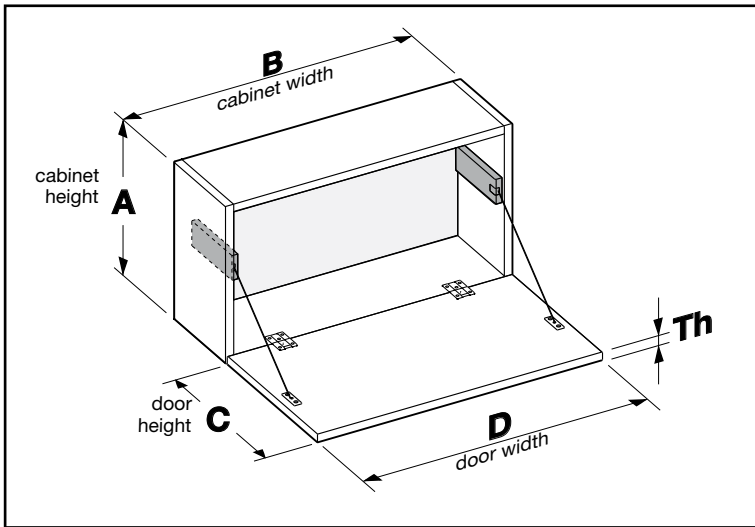
Link is supplied in carton box including 1 piece with plastic light grey cover cap, door bracket nickel-plated, countersunk fixing screws Ø 4 x 18 mm nickel-plated, plastic light grey wire locking and instruction sheet.





CUSTOMER:

REFERENCE:



IMPORTANT NOTES

TO IDENTIFY THE APPROPRIATED MECHANISM "LINK", IT IS NECESSARY FOR US TO GATHER THE FOLLOWING INFORMATIONS:

- DOOR DIMENSIONS
- DOOR WEIGHT WITH HANDLE(*)
- TYPE OF HINGES

(*) If you don't have the actual weight of the door, it is possible to estimate the weight by considering the density of the material.

Common materials:

- CHIPBOARD door 650 Kg/m³ (average value).
- MDF door 780 Kg/m³ (average value).

KIND OF HINGES



KIMANA hinges
(Recommended)



FLAP hinges

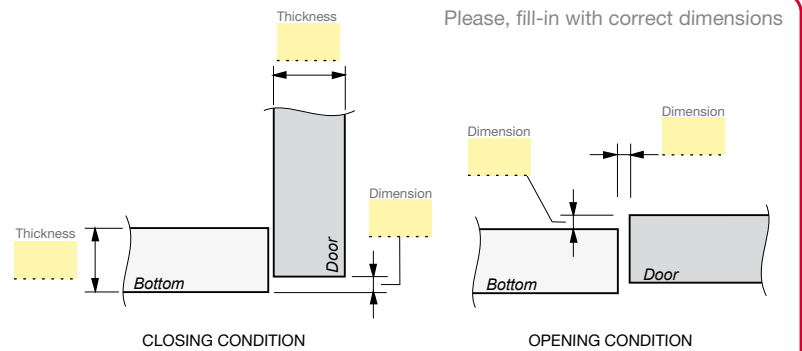


STANDARD UNSPRUNG hinges

Please specify producer, article code, mounting plate

Other hinges

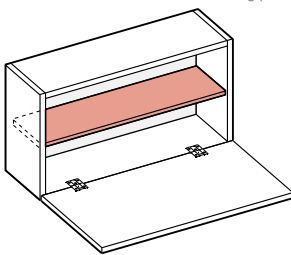
Please specify producer, article code, mounting plate



Please, fill-in with correct dimensions

INNER SHELVES

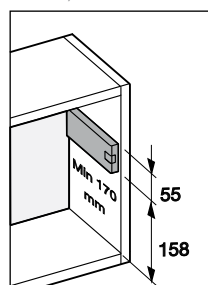
The positioning of inner shelves (either fixed or removable) can lead to the modification of the standard drilling plan.



YES

NO

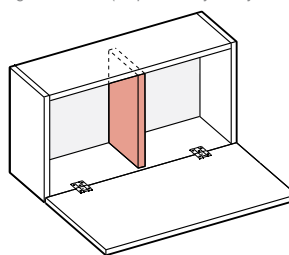
It's necessary to send us the exact positioning on a drawing



Standard position of mechanism LINK

PARTITIONS

Inner partitions can be used to add another opening mechanism (for particularly heavy doors).



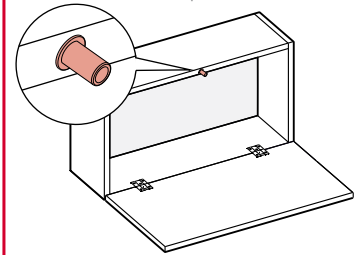
YES

NO

It's necessary to send us the exact positioning and thickness on a drawing

K PUSH TECH

In order to determine the right LINK settings, it's useful to know about the presence of K-PUSH TECH.



YES

NO

ID	Description	Cabinet		Door specifications					Actual	Estimated
		A Height mm	B Width mm	C Height mm	D Width mm	Th mm	Weight Kg			
1										
2										
3										
4										
5										

LINK FINISHES			
GREY PE11	WHITE RAL 9010	T - MET	GUNMETAL



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

- ▶ 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.

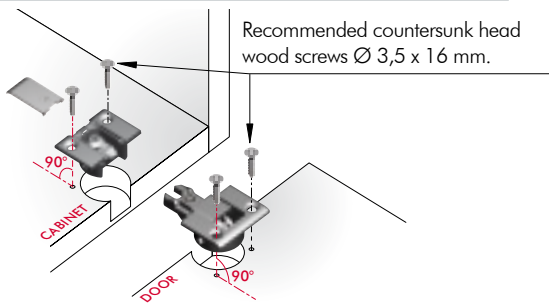


PAT.PENDING

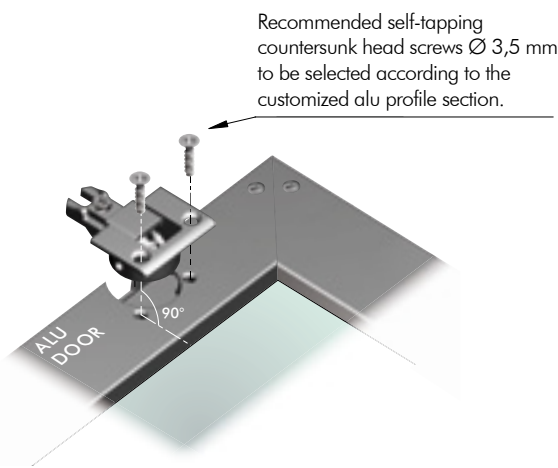
REGISTERED DESIGN



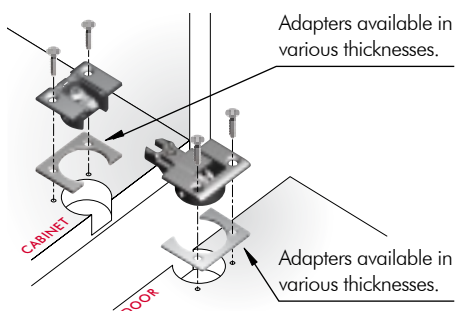
INSTALLATION ON UNIT WITH SOLID DOOR (Application shown for minimum thickness 18 mm)



INSTALLATION ON UNIT WITH ALUMINIUM DOOR (Application shown for minimum thickness 18 mm)



INSTALLATION WITH ADAPTERS

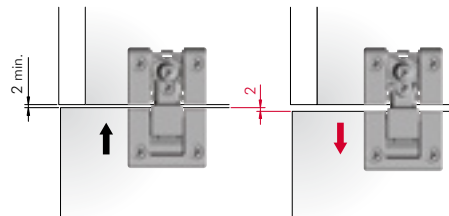


DOOR INSTALLATION



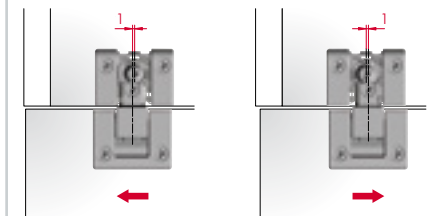
IN-DEPTH ADJUSTMENT 0+2 mm

TO MADE BEFORE LOCKING SCREW OPERATION



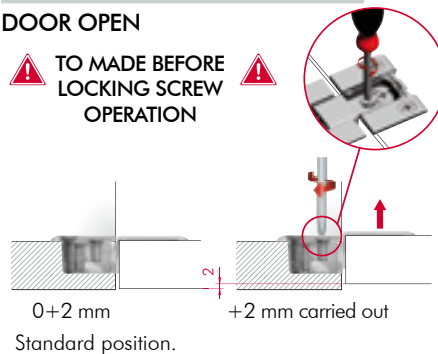
LATERAL ADJUSTMENT 0+1 mm

TO MADE BEFORE LOCKING SCREW OPERATION



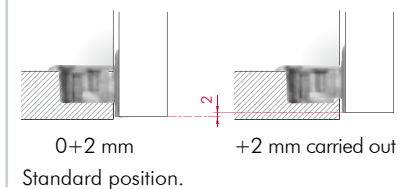
VERTICAL ADJUSTMENT 0+2 mm DOOR OPEN

TO MADE BEFORE LOCKING SCREW OPERATION

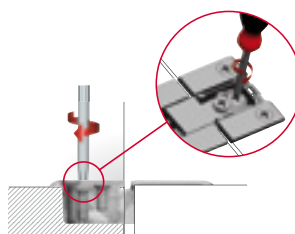


VERTICAL ADJUSTMENT 0+2 mm DOOR CLOSED

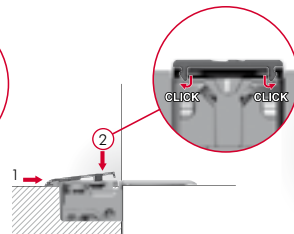
TO MADE BEFORE LOCKING SCREW OPERATION



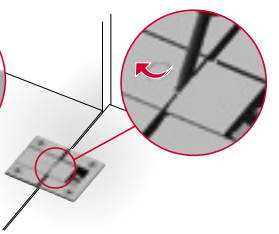
LOCKING SCREW



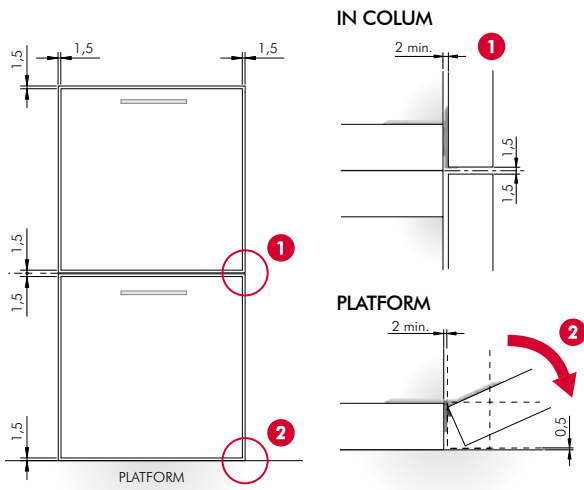
COVER CAP INSERTION



COVER CAP REMOVAL



CASES WHERE TO USE KIMANA

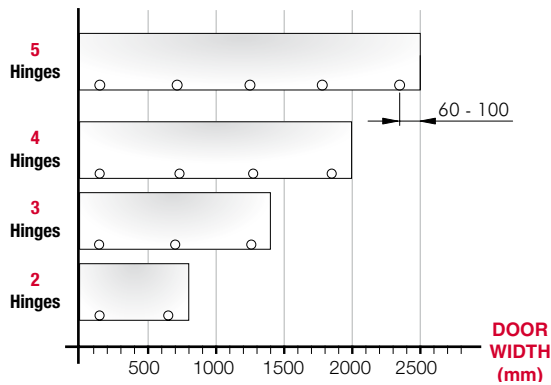


A 0,5 mm gap between the door and the platform laying underneath doesn't interfere with the opening.

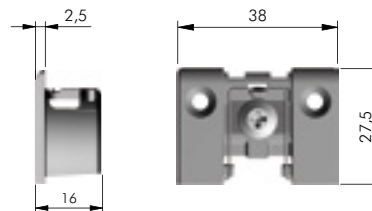


RECOMMENDED NUMBER OF KIMANA PER DOOR

NUMBER OF HINGES



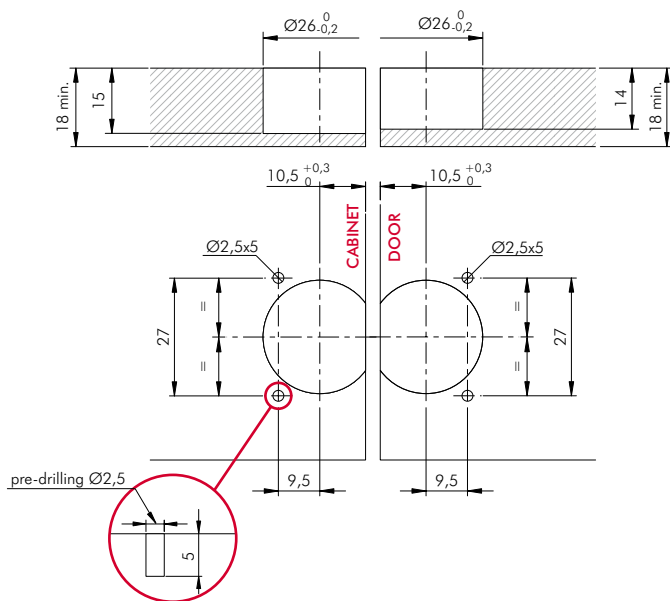
ITEM 152 | **KIMANA PART CABINET**
FINISH | ZINC ALLOY NICKEL-PLATED AND STEEL | RIH2121



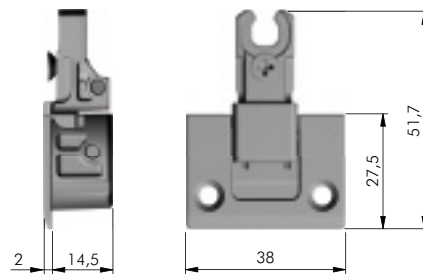
= Black nickel
Graphite



KIMANA DRILLING PLAN



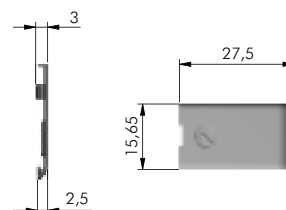
ITEM 152 | **KIMANA PART DOOR**
FINISH | ZINC ALLOY NICKEL-PLATED AND STEEL | RIH2122



= Black nickel
Graphite



ITEM 152 | **KIMANA HINGE COVER**
FINISH | ZINC ALLOY NICKEL-PLATED | RIH2123



= Black nickel
Graphite

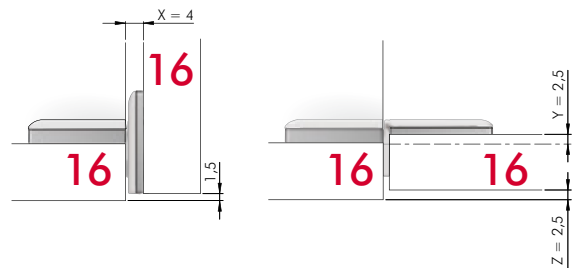
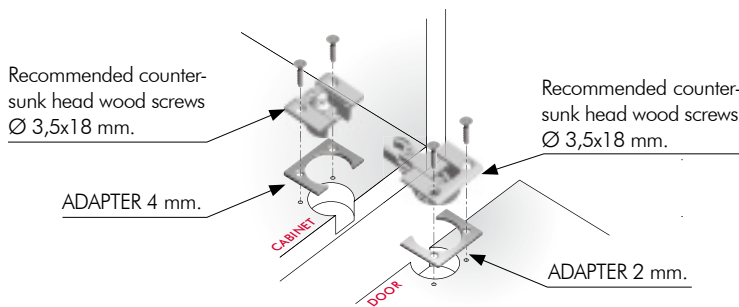


Adapters available for panel thicknesses lower than 18 mm.

APPLICATIONS ON DETAIL:

CABINET 16 mm WITH ADAPTER 4 mm THICK - DOOR 16 mm WITH ADAPTER 2 mm THICK

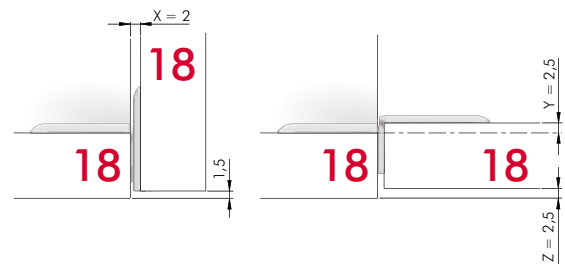
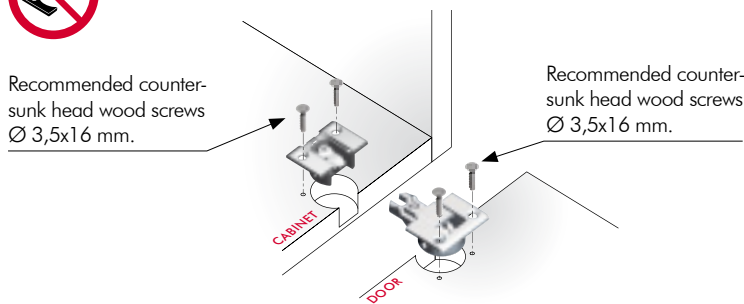
0 + 2 mm FURTHER VERTICAL ADJUSTMENT



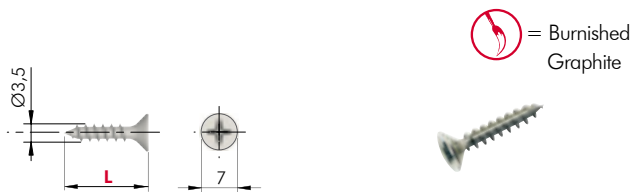
CABINET 18 mm WITHOUT ADAPTER - DOOR 18 mm WITHOUT ADAPTER



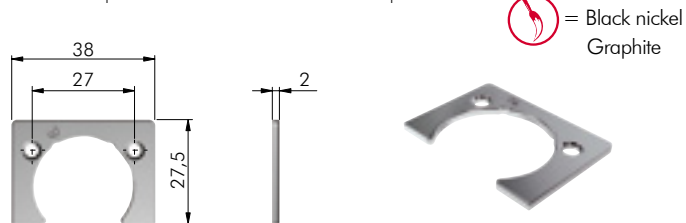
WITH VERTICAL ADJUSTMENT + 2 mm CARRIED OUT



ITEM 152 | COUNTERSUNK HEAD WOOD SCREW Ø 3,5
FINISH | STEEL NICKEL-PLATED L. 16 mm | RIH2126
L. 18 mm | RIH2127



ITEM 152 | KIMANA HINGE SPACER H. 2 mm
FINISH | ZINC ALLOY NICKEL-PLATED | RIH2124

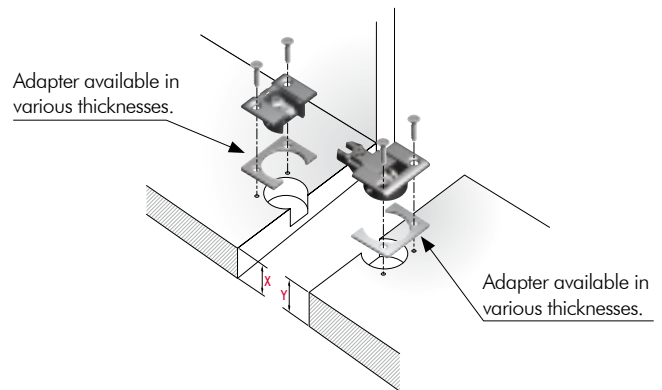


ITEM 152 | KIMANA HINGE SPACER H. 4 mm
FINISH | ZINC ALLOY NICKEL-PLATED | RIH2125

• Use screw Ø 3,5 x 18 mm RIH2127



ALL APPLICATIONS:



X +	Y +
16 + 4	16 + 2
16 + 4	18
16 + 4	20
18 + 2	18
18 + 2	20

For different cabinet and door thickness contact the office.



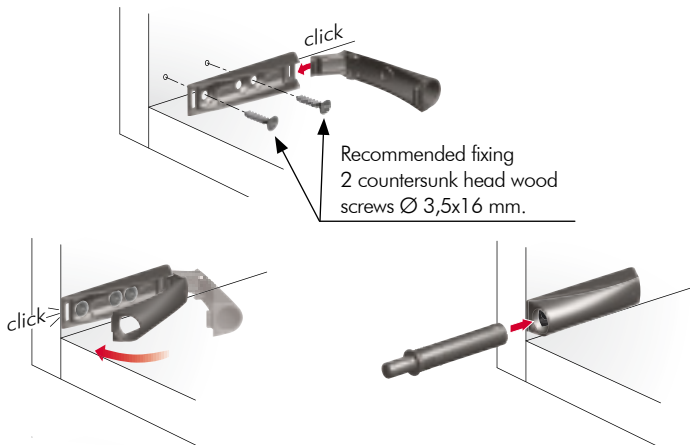
- ▶ K PUSH TECH is the fully renewed and extended program of automatic opening systems for doors without handles or knobs.
- ▶ It comes with a fresh new and even more captivating design, together with an extended program, including an innovated range of spring strengths, in order to guarantee the correct functioning even with large and heavy doors, and three lengths of the output paths: Short – 14 mm, Medium – 20 mm, Long – 37 mm.
- ▶ The same reference can be installed either concealed or visible, fixed with adapter housing.
- ▶ It comes with a wide range of colors: white, grey 19 and black anthracite.
- ▶ Gap between door and cabinet is reduced: activation gap is 1,4 mm. Ring thickness is 0,6 mm.
- ▶ Increased adjustment feature: +6 / -0.45 mm.
- ▶ A click-stop indicates the maximum adjustment range.
- ▶ The fixing of the adapter plate can be carried out with common self-tapping flat head screws and euro screws.



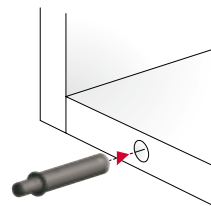
PAT.PENDING

REGISTERED DESIGN

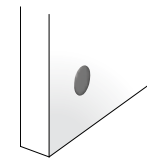
INSTALLATION THROUGH ADAPTER HOUSING



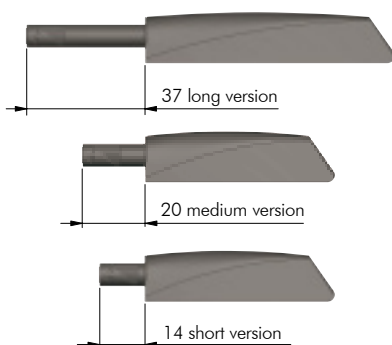
TO BE EMBEDDED INSIDE THE PANEL



DOOR PLATE FOR MAGNET

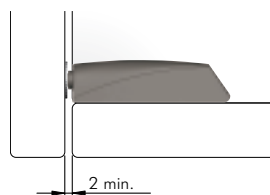


K PUSH TECH VERSIONS

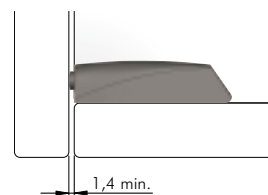


GAP BETWEEN CARCASE AND DOOR

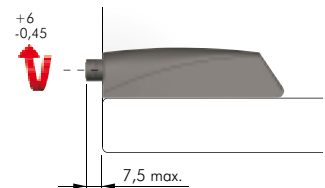
K Push Tech with magnet and plate for cabinet using unsprung hinges or negative hinges.



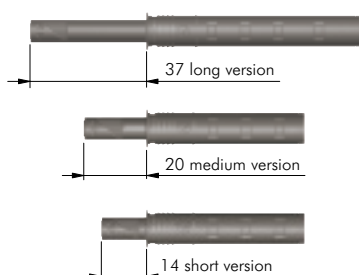
K Push Tech with buffer for cabinet using sprung hinges.



ADJUSTMENT

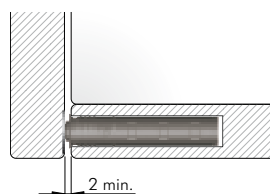


K PUSH TECH CONCEALED VERSIONS

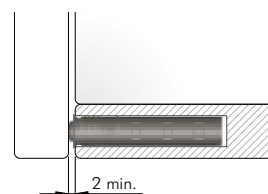


GAP BETWEEN CARCASE AND DOOR

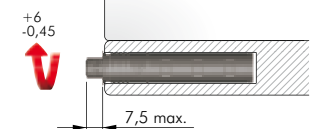
K Push Tech with magnet and plate for cabinet using unsprung hinges or negative hinges.



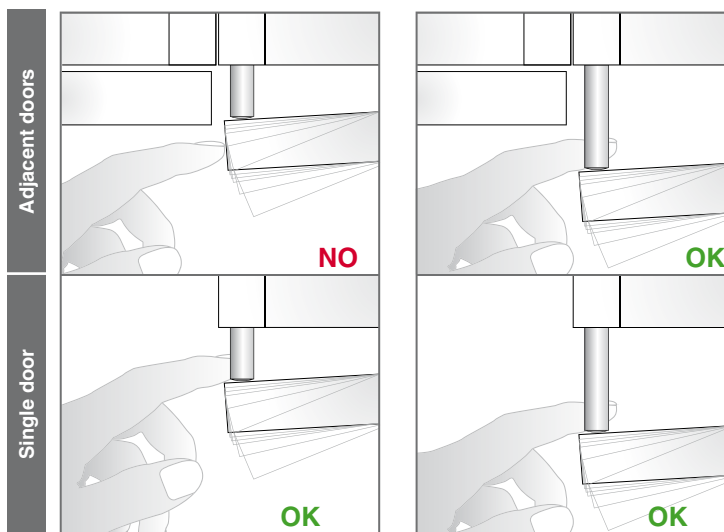
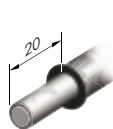
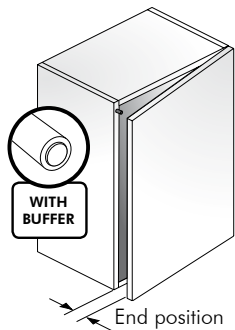
K Push Tech with buffer for cabinet using sprung hinges.



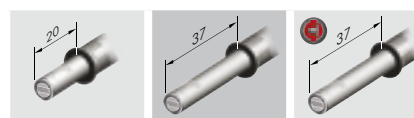
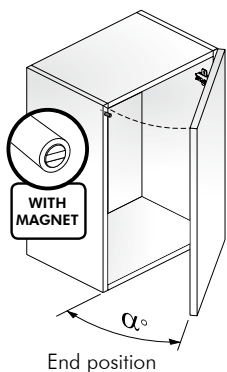
ADJUSTMENT



APPLICATION WITH SPRUNG HINGES



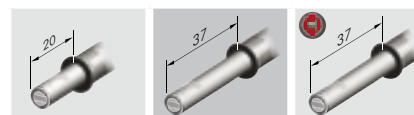
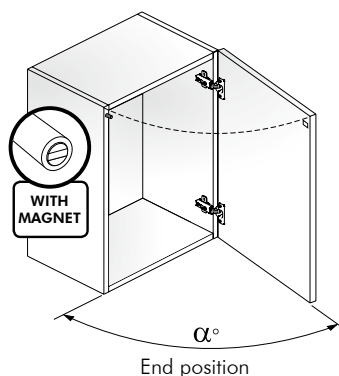
APPLICATION WITH UNSPRUNG HINGES



Door dimensions	Range weight	Indicative α° end door position		
Small door size	2 - 5 kg	$\pm 37^\circ$	$\pm 55^\circ$	$\pm 70^\circ$
Medium door size	5 - 8 kg	$\pm 30^\circ$	$\pm 45^\circ$	$\pm 50^\circ$
Large door size	15 - 18 kg	$\pm 28^\circ$	$\pm 40^\circ$	$\pm 45^\circ$
Maxi door size	30 - 35 kg	$\pm 20^\circ$	$\pm 30^\circ$	$\pm 35^\circ$

Small and Medium door size tested with 2 hinges. Large and Maxi size doors tested with 5 hinges. Please note that test results are indicative. End door position may vary depending on hinge brand.

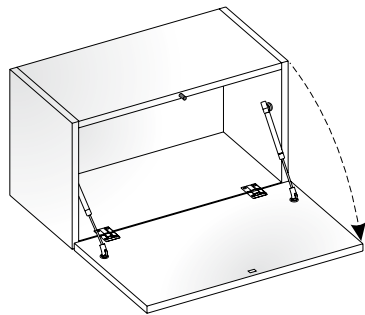
APPLICATION WITH NEGATIVE HINGES



Door dimensions	Range weight	Indicative α° end door position		
Small door size	2 - 5 kg	$\pm 90^\circ$	Over 95°	Over 95°
Medium door size	5 - 8 kg	$\pm 85^\circ$	Over 95°	Over 95°
Large door size	15 - 18 kg	$\pm 50^\circ$	$\pm 70^\circ$	$\pm 80^\circ$
Maxi door size	30 - 35 kg	$\pm 35^\circ$	$\pm 50^\circ$	$\pm 60^\circ$

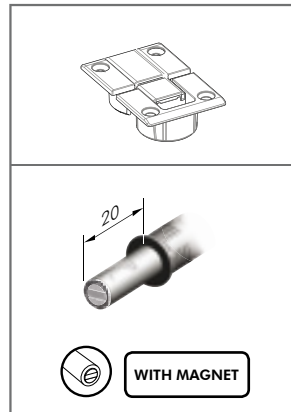
Small and Medium door size tested with 2 hinges. Large and Maxi size doors tested with 5 hinges. Please note that test results are indicative. End door position may vary depending on hinge brand.

DROP DOWN DOORS

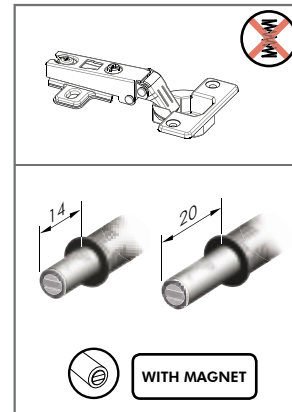


Please note that all technical specifications are based on cabinets assembled only with Italiana Ferramenta products.

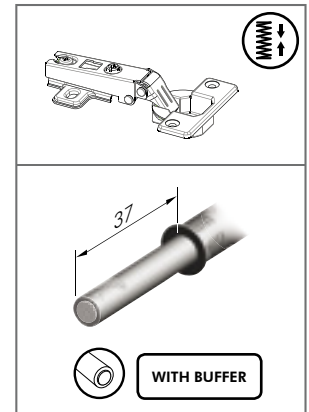
APPLICATION WITH:
KIMANA HINGES



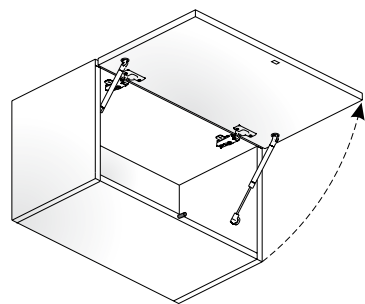
APPLICATION WITH:
UNSPRUNG HINGES



APPLICATION WITH:
SPRUNG HINGES

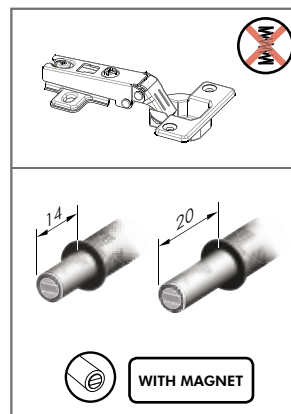


LIFT UP DOORS



Please note that all technical specifications are based on cabinets assembled only with Italiana Ferramenta products.

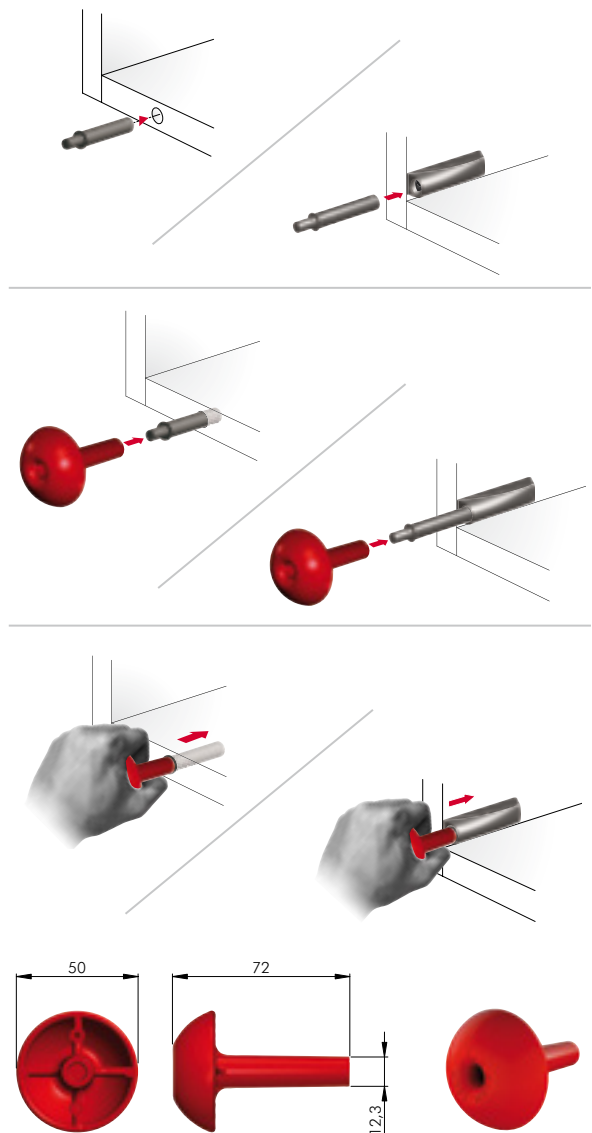
APPLICATION WITH:
UNSPRUNG HINGES



K PUSH TECH INSTALLING TOOL

Plastic red
 On demand

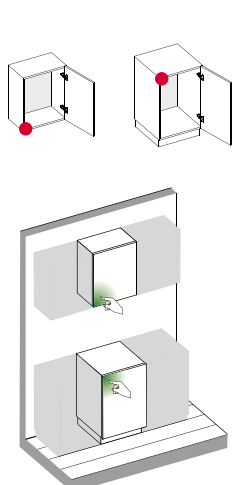
APPLICATION



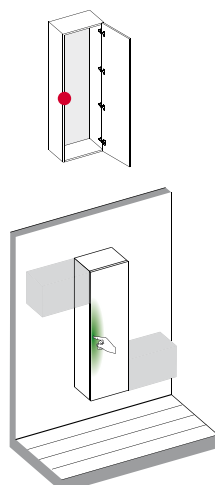
SUGGESTED INSTALLING SPOTS FOR K PUSH TECH

- = K PUSH TECH suggested spot
- = Activating area of K PUSH TECH

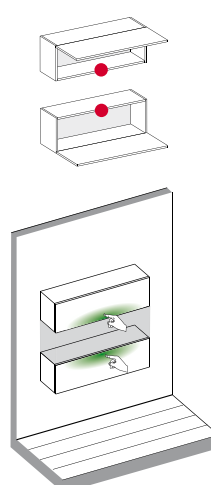
BASE CABINETS AND
UPPER CABINETS
WITH HINGED DOORS



TALL CABINETS WITH
HINGED DOORS



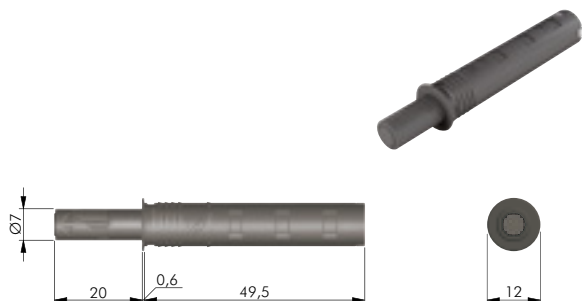
BASE CABINETS AND
UPPER CABINETS
WITH FLAP DOORS



ITEM 145 | K PUSH TECH CONCEALED THE MEDIUM WITH BUFFER - STANDARD SPRING

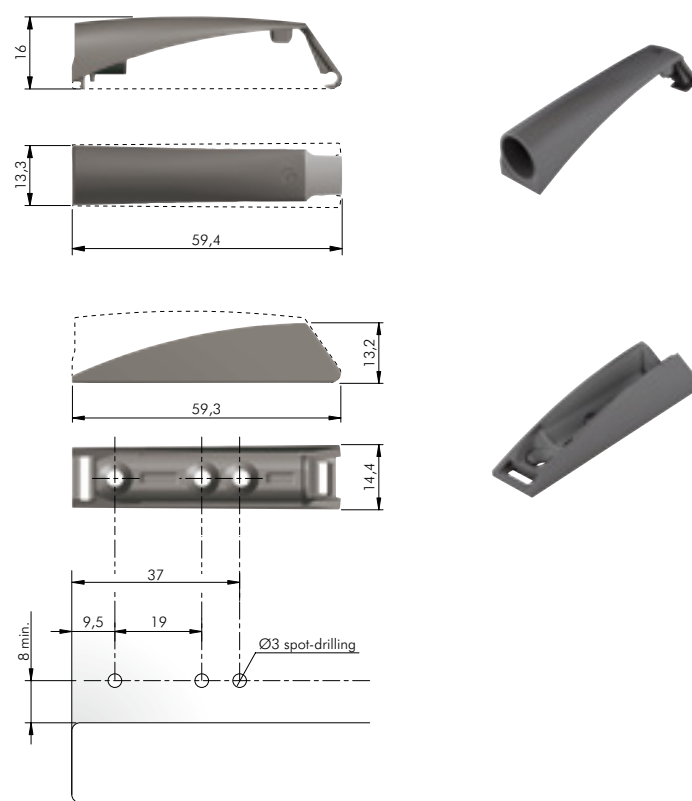
COLOUR | STEEL AND PLASTIC WHITE | RIH2087
 GREY | RIH2088
 ANTHRACITE | RIH2089

- Standard spring (Backside in grey colour).



ITEM 148 | K PUSH TECH ADAPTER HOUSING FOR SHORT AND MEDIUM VERSIONS

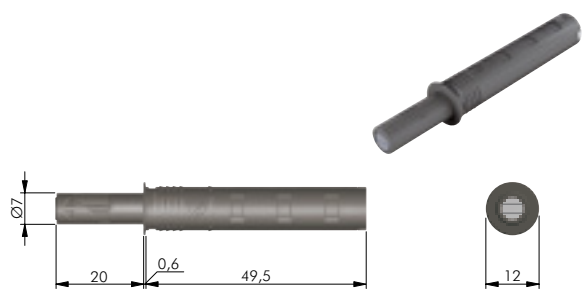
COLOUR | PLASTIC WHITE | RIH2094
 GREY | RIH2095
 ANTHRACITE | RIH2096



ITEM 144 | K PUSH TECH CONCEALED THE MEDIUM WITH MAGNET - STANDARD SPRING

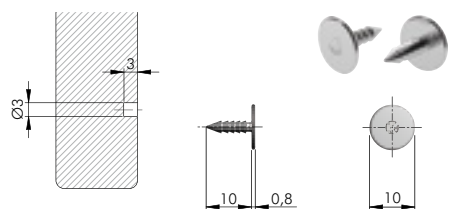
COLOUR | STEEL AND PLASTIC WHITE | RIH2084
 GREY | RIH2085
 ANTHRACITE | RIH2086

- Standard spring (Backside in grey colour).



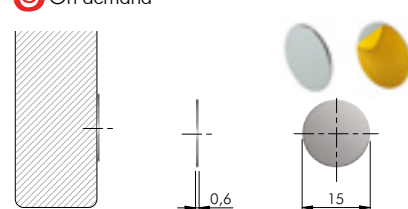
DOOR PLATES

ITEM 146 | Ø 3 mm PIN
 FINISH | STEEL NICKEL-PLATED | RIH2090



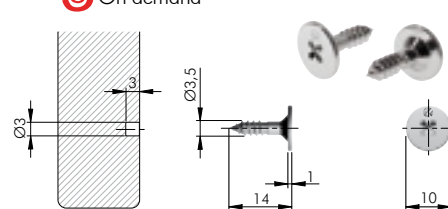
Ø 15 mm SELF - ADHESIVE

Steel nickel-plated
 On demand



Ø 3,5 mm SCREW FIX

Steel nickel-plated
 On demand



ITEM 147 | K PUSH TECH CONCEALED THE LONG WITH BUFFER - STANDARD SPRING

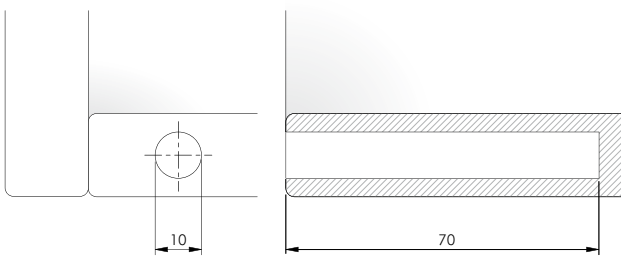
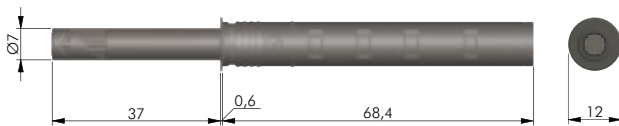
COLOUR	STEEL AND PLASTIC WHITE	RIH2091	
	GREY	RIH2092	
	ANTHRACITE	RIH2093	

- **Standard spring** (Backside in grey colour).

ITEM 147 | K PUSH TECH CONCEALED THE LONG WITH BUFFER - STRONG SPRING

COLOUR	STEEL AND PLASTIC WHITE	RIH2106	
	GREY	RIH2107	
	ANTHRACITE	RIH2108	

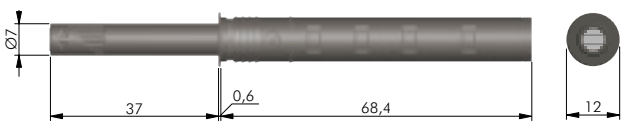
- **Strong spring** (Backside in red colour).
- Recommended for powerful sprung hinges and tall doors.



ITEM 152 | K PUSH TECH CONCEALED THE LONG WITH MAGNET - STANDARD SPRING

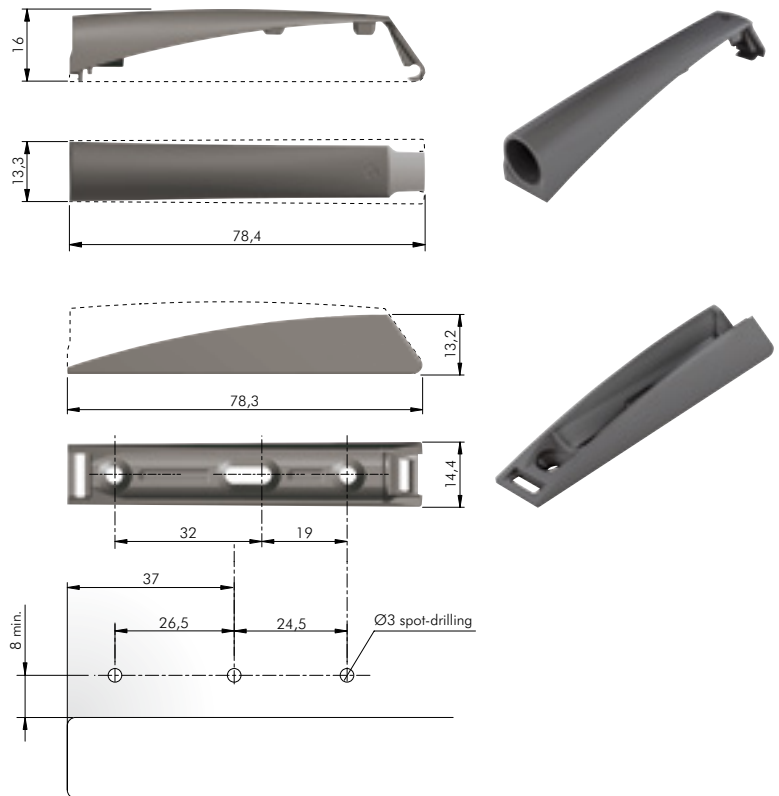
COLOUR	STEEL AND PLASTIC WHITE	RIH2103	
	GREY	RIH2104	
	ANTHRACITE	RIH2105	

- **Standard spring** (Backside in grey colour).



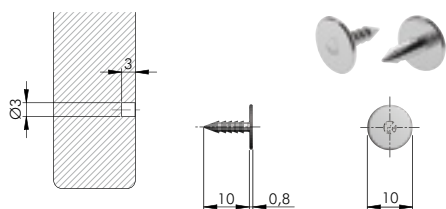
ITEM 149 | K PUSH TECH ADAPTER HOUSING FOR LONG VERSION

COLOUR	PLASTIC WHITE	RIH2097	
	GREY	RIH2098	
	ANTHRACITE	RIH2099	



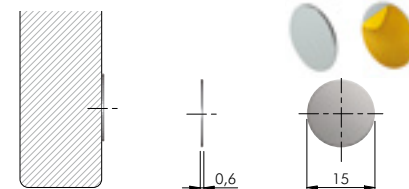
DOOR PLATES

ITEM 146 | Ø 3 mm PIN
FINISH | STEEL NICKEL-PLATED | RIH2090



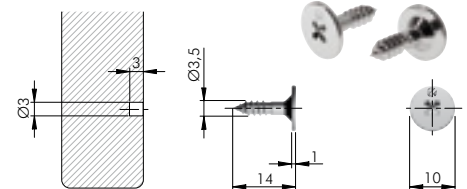
Ø 15 mm SELF - ADHESIVE

Steel nickel-plated
 On demand



Ø 3,5 mm SCREW FIX

Steel nickel-plated
 On demand





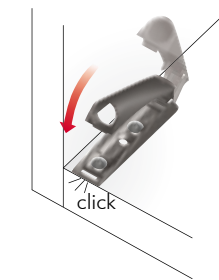
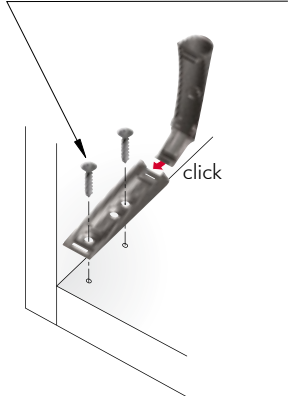
For further information: www.italianaferramenta.com > CATALOGUE > PUSH CATCHES & MAGNETIC CATCHES

- ▶ New magnetic system to safely keep the door closed.
- ▶ Suitable for unsprung and flap/piano hinges.
- ▶ Available in 2 versions:
 - to be installed inside the panel through a $\varnothing 10$ mm hole.
 - with adapter housing to be installed with countersunk screws.
- ▶ Gap adjustment can be carried out through the blade screwdriver by rotating the head.
- ▶ Engineering plastic and steel.

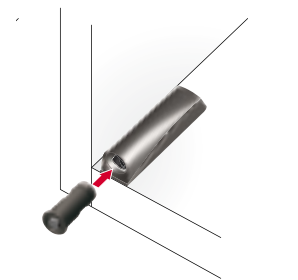
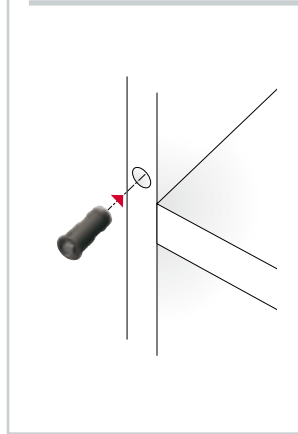


INSTALLATION THROUGH ADAPTER HOUSING

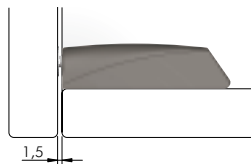
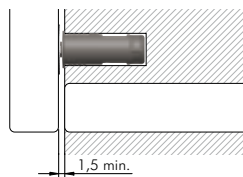
Recommended countersunk head wood screws $\varnothing 3,5 \times 16$ mm.



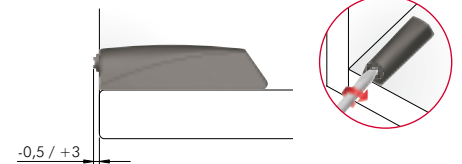
INSTALLATION TO BE EMBEDDED INSIDE THE PANEL



GAP BETWEEN CARCASE AND DOOR

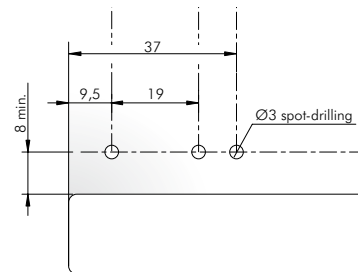
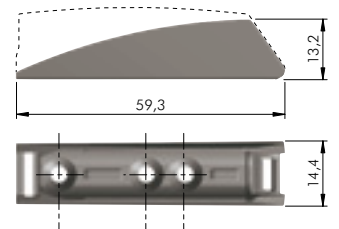
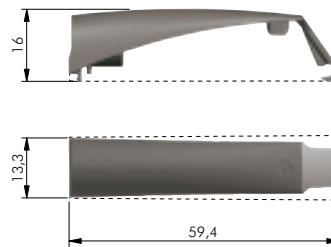


ADJUSTMENT



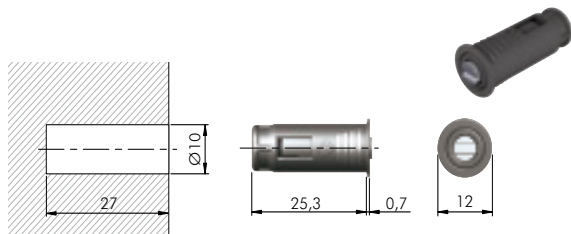
ITEM 1481 | MAGNET K LOCK ADAPTER HOUSING

COLOUR	PLASTIC WHITE	RIH2094	
	GREY	RIH2095	
	ANTHRACITE	RIH2096	



ITEM 150 | MAGNET K LOCK CONCEALED

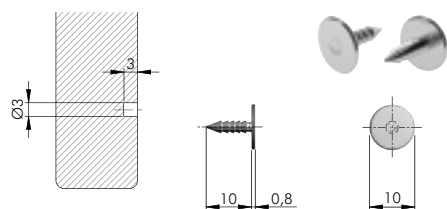
COLOUR	STEEL AND PLASTIC WHITE	RIH2100	
	GREY	RIH2101	
	ANTHRACITE	RIH2102	



DOOR PLATES

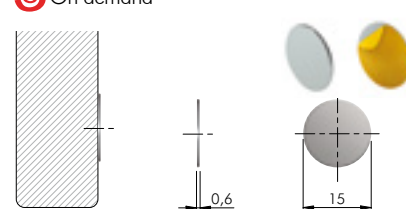
ITEM 146 | Ø 3 mm PIN

FINISH | STEEL NICKEL-PLATED | RIH2090



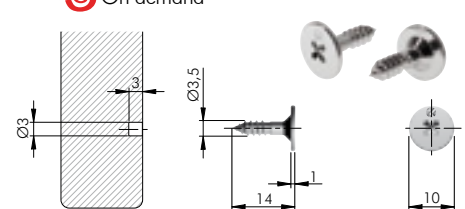
Ø 15 mm SELF - ADHESIVE

Steel nickel-plated
 On demand



Ø 3,5 mm SCREW FIX

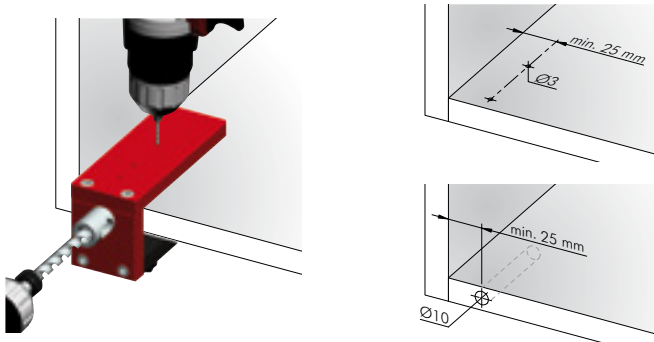
Steel nickel-plated
 On demand



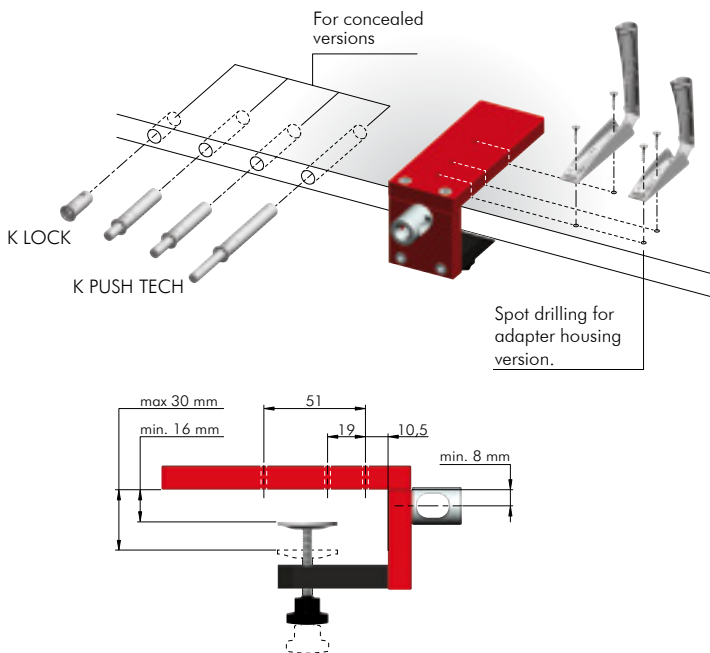


For further information: www.italianaferramenta.com > CATALOGUE > DRILLING JIGS

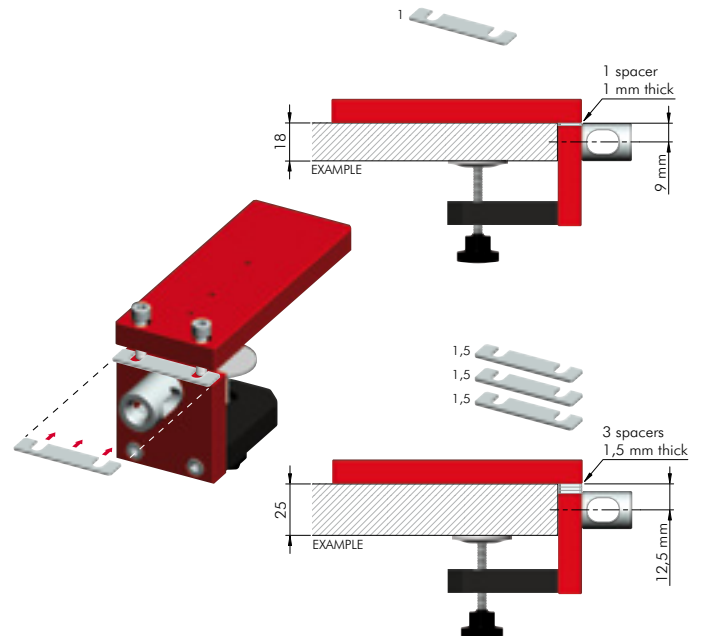
GENERAL SPECIFICATIONS



APPLICATION OPTIONS



DRILLING SPACERS FOR OTHER PANEL THICKNESSES

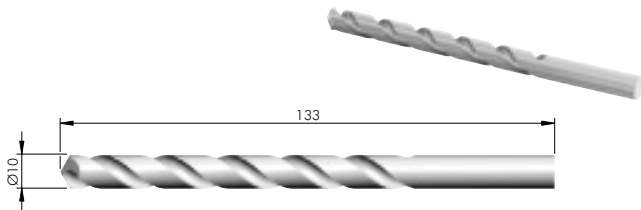


DRILL BIT

High speed steel.

🎯 On demand

- For drilling jig we recommend this type of drill bit.



ITEM 1587 | **K PUSH TECH & K LOCK DRILLING JIG**
FINISH | ALUMINIUM, STEEL AND PLASTIC | RIH1257

- For panel thickness 16 and 18 mm.
- The jig is supplied in carton box including all the components shown in the following picture.

Spacer 1 mm thick

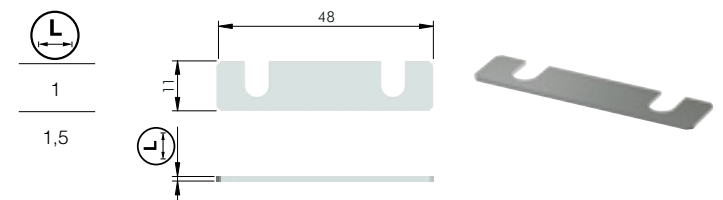
Drilling guide bushing
Ø 10 mm



SPACERS FOR K PUSH TECH/K LOCK DRILLING JIG

Aluminium.

🎯 On demand



ITEM 1588 | **STOP COLLAR**
FINISH | STEEL | RIH1847



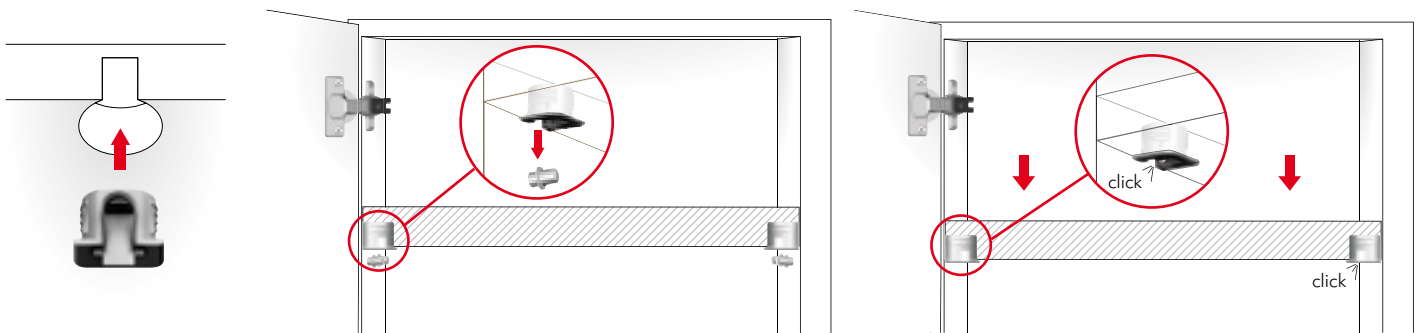


For further information: www.italianaferramenta.com > CATALOGUE > SHELF SUPPORTS

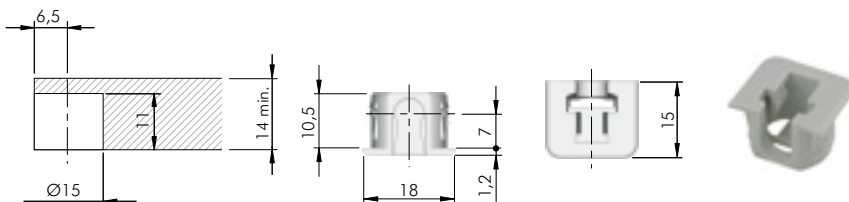
- ▶ Shelf support to block wood shelves minimum 12 mm thick for dispatching either flat pack or rigid furniture and for guaranteeing domestic safety.
- ▶ Consists of two separate parts:
 - a steel dowel to be inserted onto the side panel.
 - a plastic element to be slotted into the shelf.
- ▶ Shelf is 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.



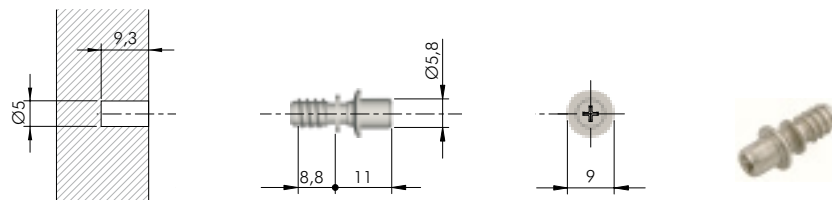
SHELF INSTALLATION



ITEM 130 | **FLIPPER FOR PANEL 14 mm THICK MINIMUM**
 COLOUR | PLASTIC WHITE | RIH2072

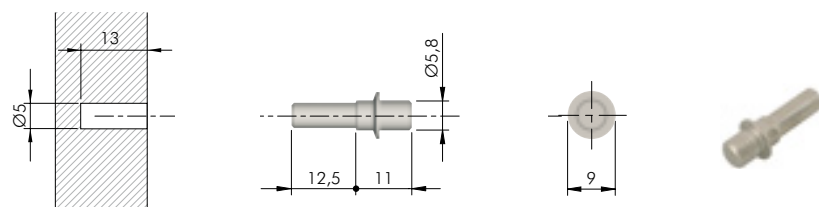


ITEM 130 | **EURO PIN**
 FINISH | STEEL ZINC-PLATED | RIH2073
 • To achieve horizontal connection.



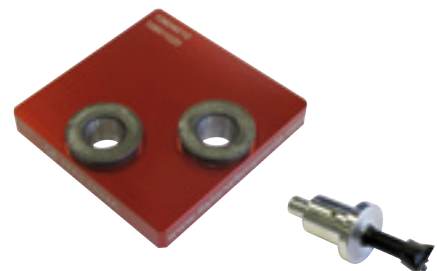
SMOOTH PIN Ø 5 mm
 Steel zinc-plated

On demand



FLIPPER TEMPLATE

On demand



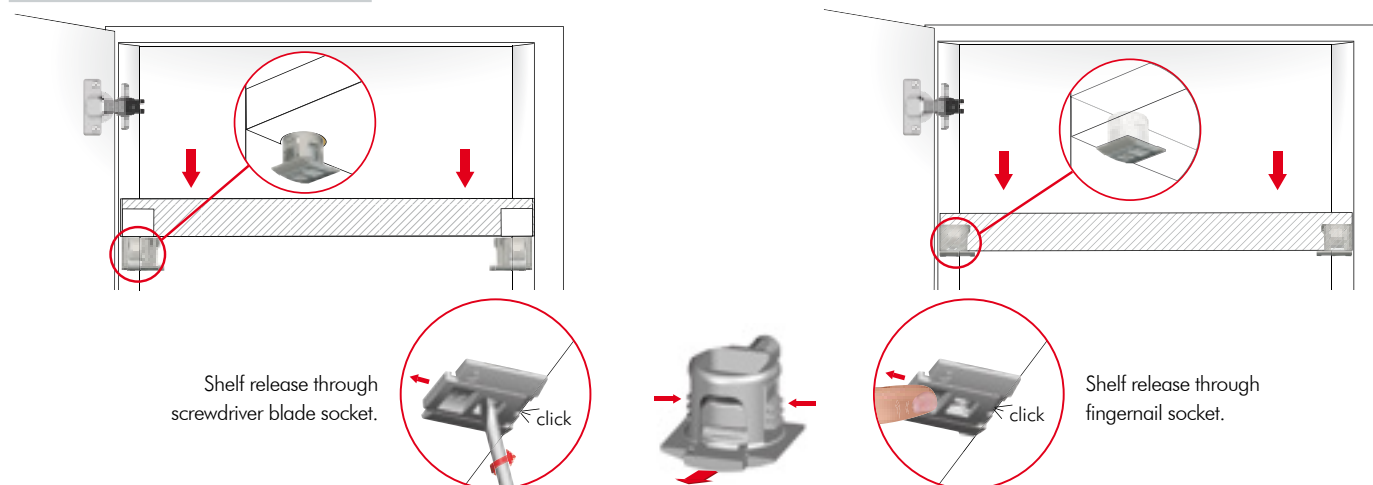


For further information: www.italianaferramenta.com > CATALOGUE > SHELF SUPPORTS

- ▶ Innovative solution to block wood shelves minimum 15 mm thick 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 spread 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.

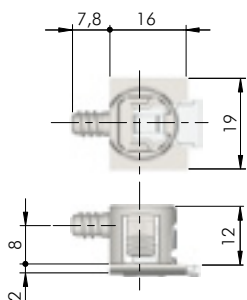
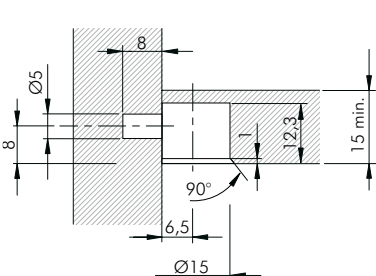


SHELF INSTALLATION



UNICO FOR PANEL 15 mm THICK MINIMUM

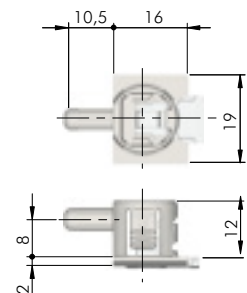
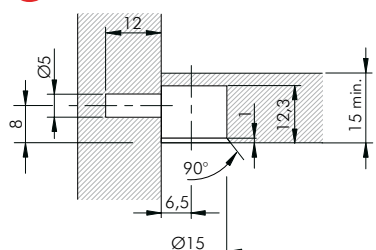
ITEM 139 | **THREADED PIN Ø 5 mm**
 FINISH | ZINC ALLOY NICKEL-PLATED WITH PLASTIC GREY SLIDING CLIP | RIH2081
 • To achieve horizontal connection.



SMOOTH PIN Ø 5 mm

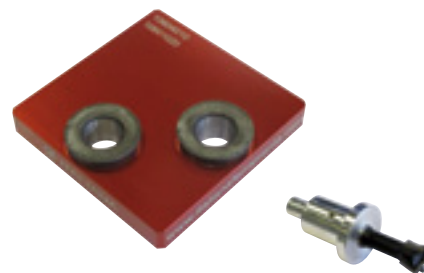
Zinc alloy nickel-plated with plastic grey sliding clip

On demand



UNICO TEMPLATE

On demand



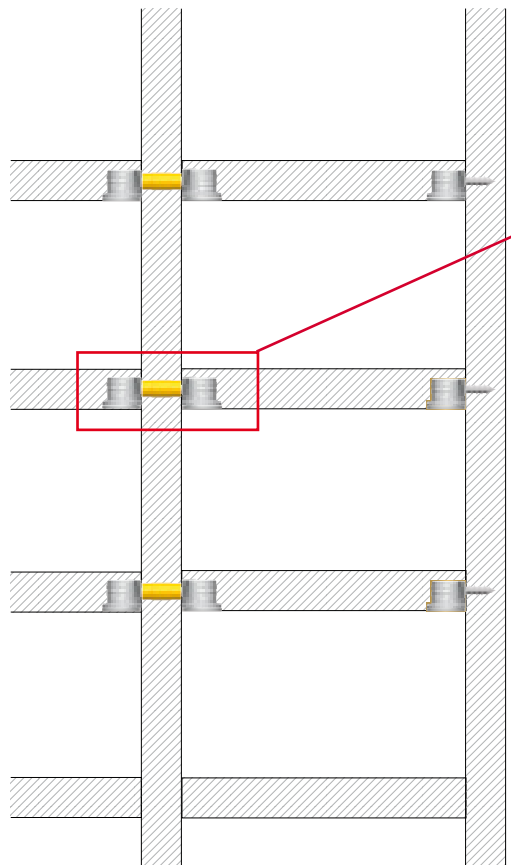
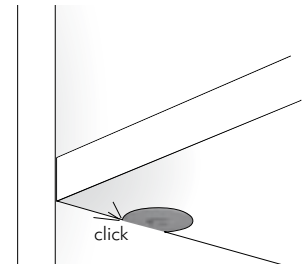
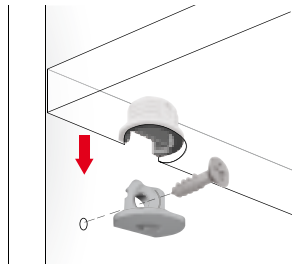
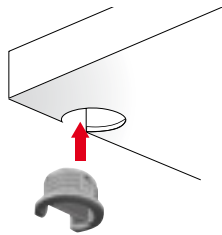


For further information: www.italianaferramenta.com > CATALOGUE > SHELF SUPPORTS

- ▶ 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 12, 16, 18, 25, 29 mm thick panels.
- ▶ Consists of two separate parts: zinc alloy small side bracket round ledge and plastic shelf support to be slotted onto the shelf.
- ▶ Shelf is subsequently vertically pressed and clicks onto the side bracket flushing with the lower side of the shelf, making the result aesthetically very elegant.
- ▶ All plastic shelf supports excluded version for 12 mm thick panel, can be permanently secured in position by using a $\varnothing 3$ mm countersunk head wood screw.
- ▶ Side bracket is available:
 - as plain version for countersunk screw or M4 dowel with spreading dowel.
 - with pre-inserted spreading bush and screw for shelf repositioning without damaging the hole, excluded version for 12 mm thick panel.
- ▶ In accordance with the European Regulations UNI EN 14749/05.

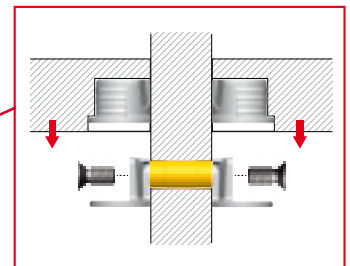


INSTALLATION AND ASSEMBLING



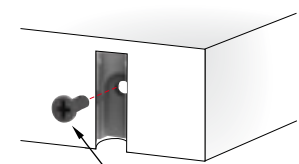
SPECIAL APPLICATION FOR SIDE PANEL 12 mm THICK:

Through hole fixing with metric sleeve.



OPTIONAL FIXING (12 mm thick version excluded):

To achieve more horizontal connection.

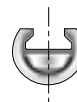
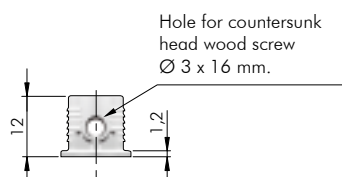
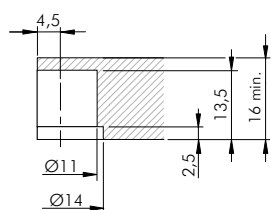


Optional fixing with countersunk head wood screw $\varnothing 3 \times 16$ mm.

Also suitable for top and bottom panels when a back panel is used.

ITEM 141 | MAORI FOR PANEL 16 mm THICK MINIMUM

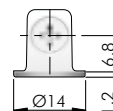
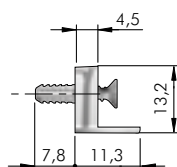
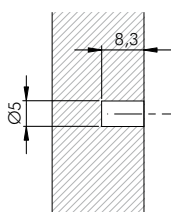
COLOUR | PLASTIC GREY | RIH2118



ITEM 142 | SIDE BRACKET PRE-INSERTED SPREADING BUSH AND SCREW

FINISH | ZINC ALLOY NICKEL-PLATED, STEEL AND PLASTIC | RIH2119

- To avoid hole damaging for shelf repositioning.



TOP SHELF APPLICATION



INTERMEDIATE SHELF APPLICATION





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

- ▶ 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 25 mm minimum thick.
- ▶ 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.



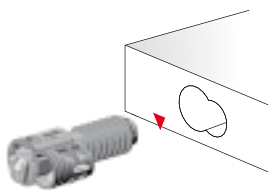
BEST OF THE BEST AT:



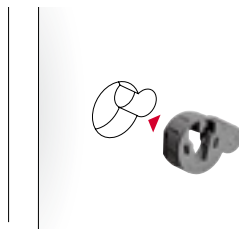
interzum award:
intelligent
material & design
2013



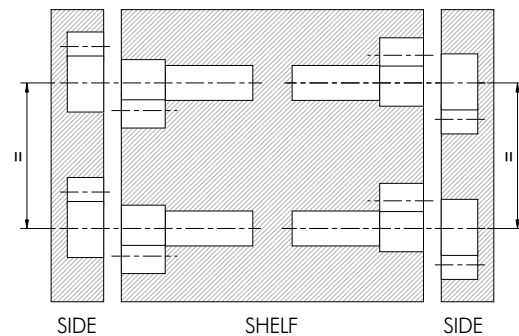
SHELF SUPPORT INSERTION ON THE SHELF



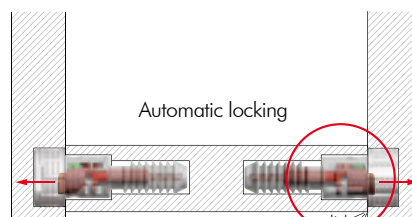
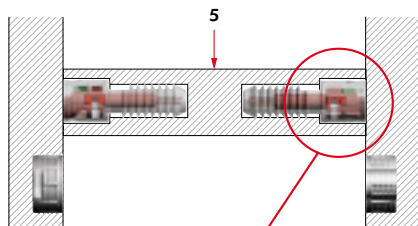
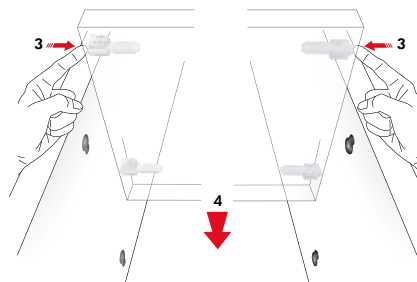
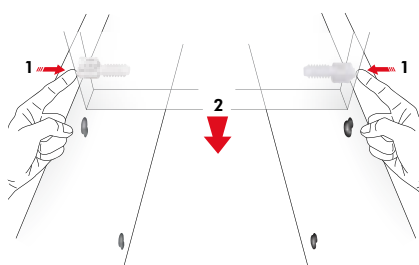
SIDE BUSH INSERTION



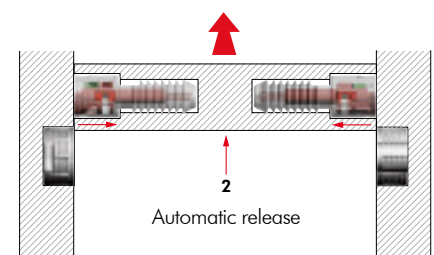
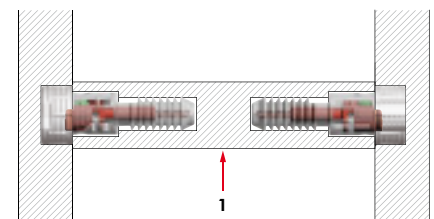
ALIGNMENT SHELF SUPPORT AND SIDE BUSH



SHELF PLACEMENT



SHELF REMOVAL

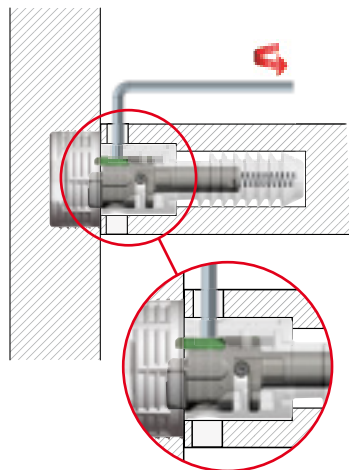


LOCKING DEVICE WHEN SHELVES MOUNTING HINGES FOR FLAP OR DROP DOWN DOORS

Ø 4 mm hole allows the 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.

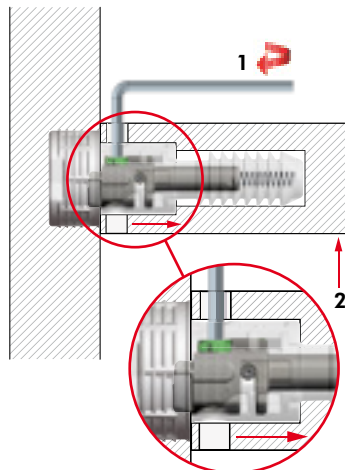
SHELF LOCKING

90° turning from both upper and lower side.



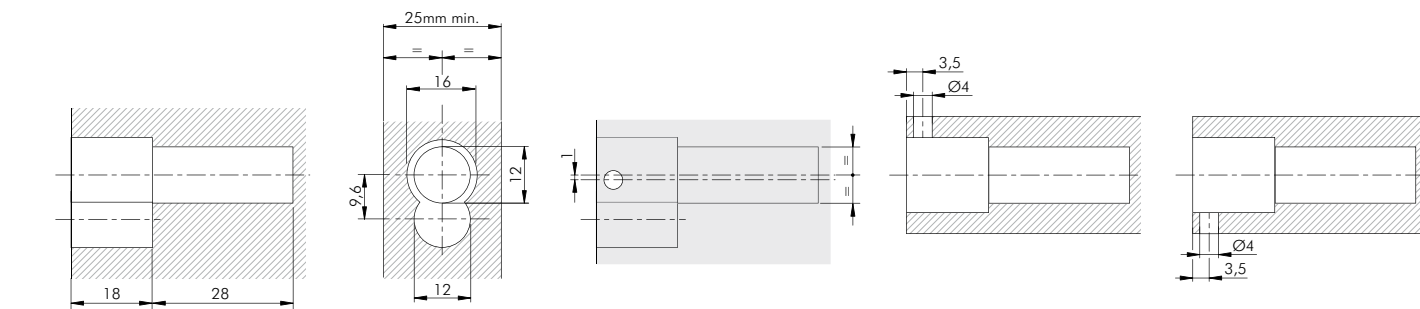
SHELF UNLOCKING

90° turning from both upper and lower side.



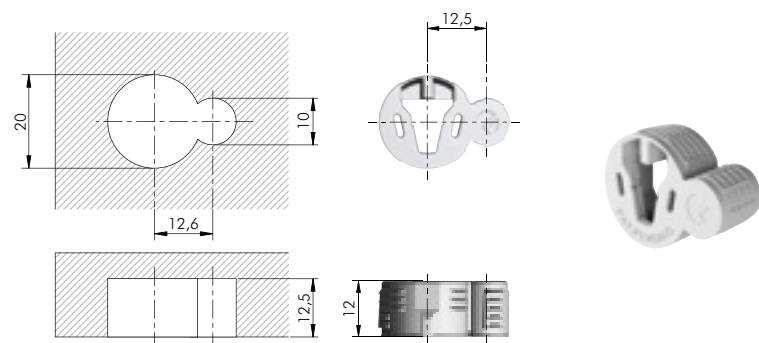
SECRET FOR PANEL 25 mm THICK MINIMUM

Plastic light grey with inner spring plastic hook and steel spring.



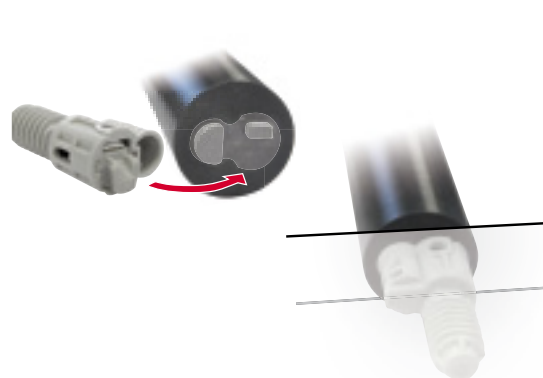
SIDE BRACKET

Plastic light grey.



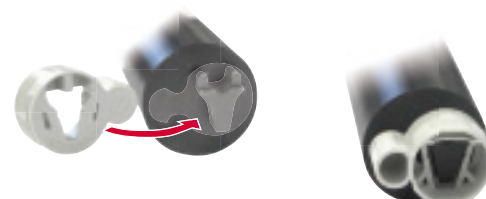
SECRET MAXI TEMPLATE FOR SHELF SUPPORT

Plastic black.



SECRET MAXI TEMPLATE FOR SIDE SOCKET

Plastic black.



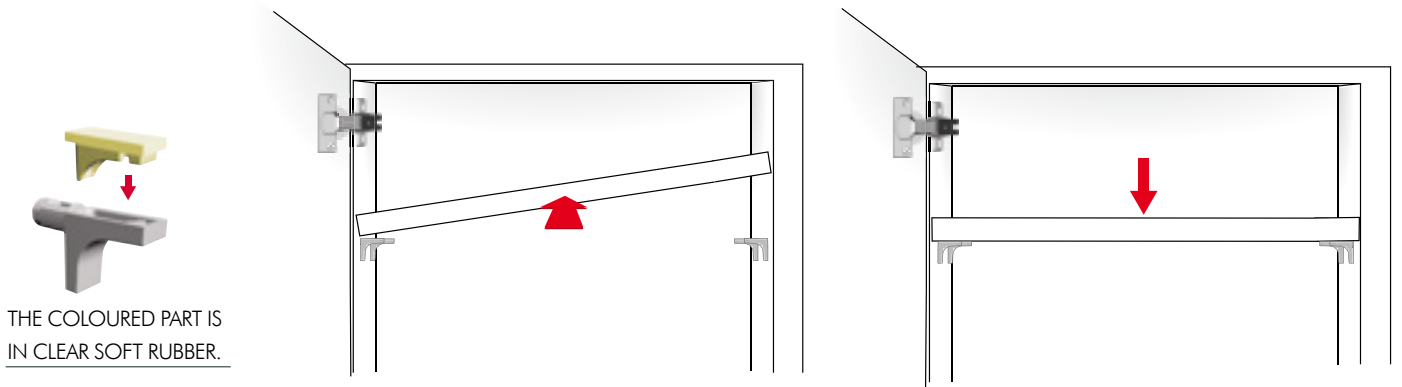


For further information: www.italianaferramenta.com > CATALOGUE > SHELF SUPPORTS

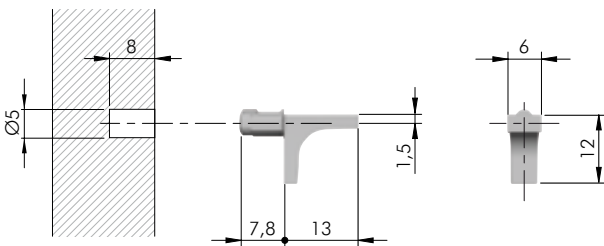
- ▶ Newly-designed essential and functional shelf support for both wood and glass shelves.
- ▶ Consists of a single zinc alloy element for wood shelves.
- ▶ Same element for glass shelf by simply applying a bespoke layer of rubber.
- ▶ Other version available with vertical pin to ensure wood shelf horizontal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



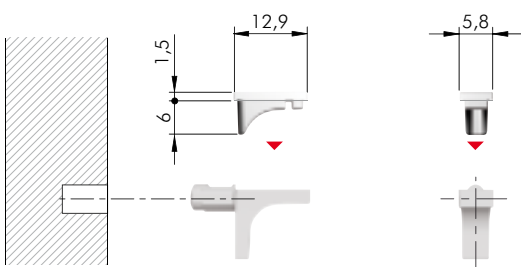
SHELF INSTALLATION



ITEM 821 | **K LINE WOOD SHELF SUPPORT**
 FINISH | ZINC ALLOY NICKEL-PLATED | RIH2068



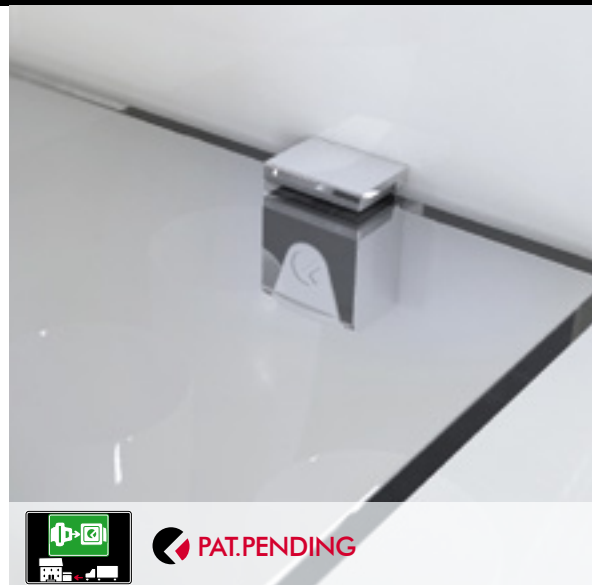
ITEM 127 | **K LINE RUBBER FOR GLASS SHELF**
 COLOUR | SOFT CLEAR RUBBER | RIH2069





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

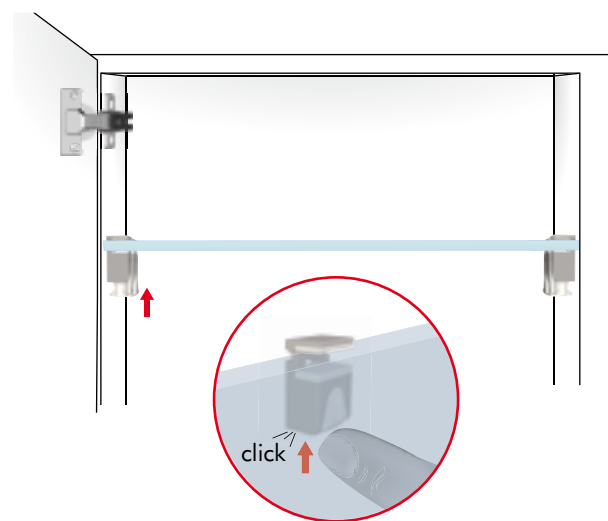
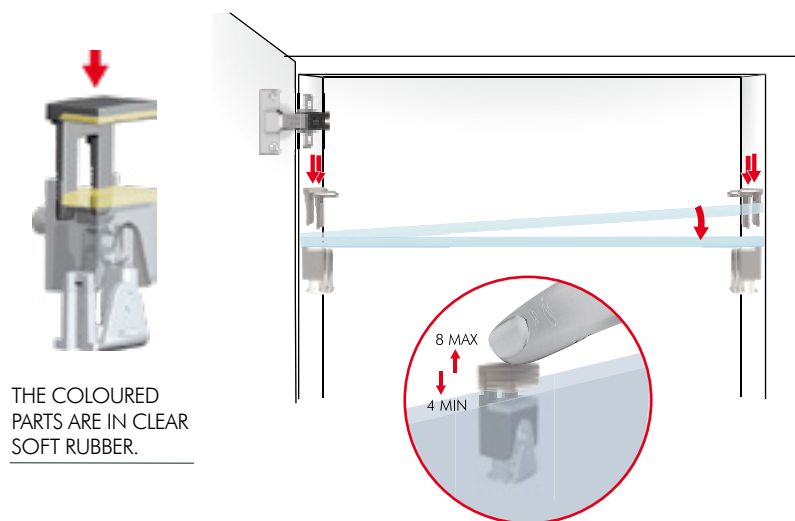
- ▶ New shelf support to block glass shelves 4-8 mm thick for dispatching either flat pack or rigid furniture and for guaranteeing domestic safety.
- ▶ Consists of two zinc alloy elements both with soft layer of rubber:
 - main body featuring integrated sliding locking plastic clip.
 - upper part with 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.



PAT.PENDING

SHELF INSTALLATION

SHELF LOCKING

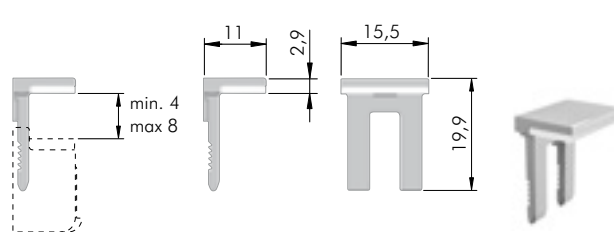
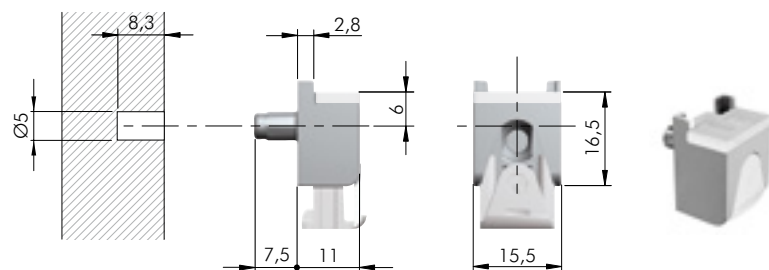


THE COLOURED PARTS ARE IN CLEAR SOFT RUBBER.

KUBIC WITH LOCKING CLIP

ITEM 185 | **KUBIC SMOOTH PIN Ø 5 mm FOR GLASS 4-8 mm THICK**
 FINISH | ZINC ALLOY NICKEL PLATED WITH PLASTIC WHITE LOCKING CLIP | RIH1893

ITEM 185 | **KUBIC UPPER PART**
 FINISH | ZINC ALLOY NICKEL-PLATED | RIH1894

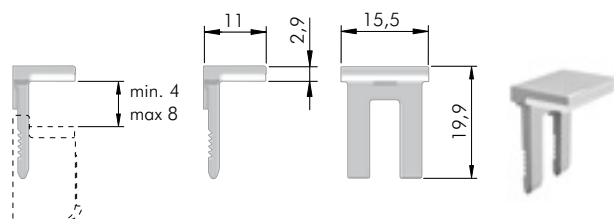
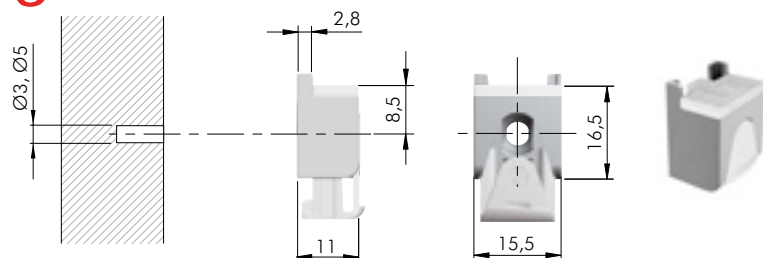


KUBIC SCREW HOLE FOR FOR GLASS 4-8 mm THICK

Zinc alloy nickel-plated with plastic white locking clip

- To achieve horizontal connection.

🎯 On demand



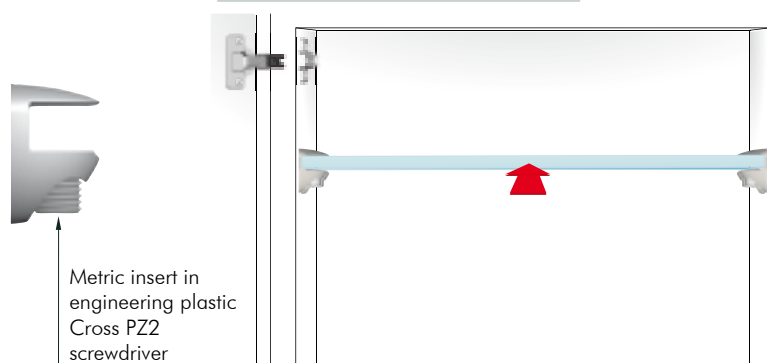


For further information: www.italianaferramenta.com > CATALOGUE > GLASS SHELF SUPPORTS

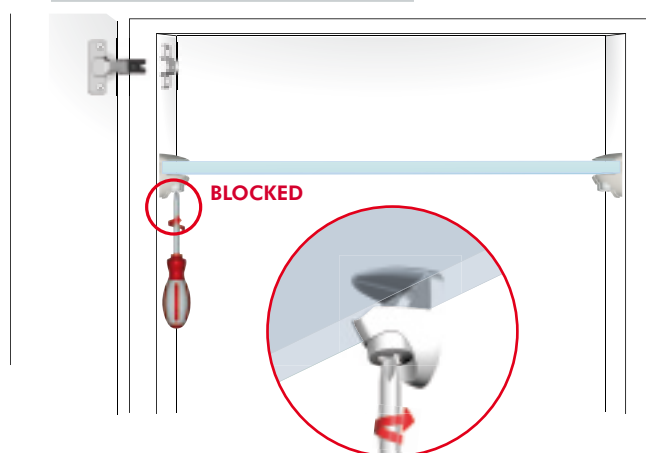
- ▶ Blocking glass-shelf support for dispatching either flat pack or rigid furniture and for guaranteeing domestic safety..
- ▶ Consists of a single zinc alloy element with plastic fixing-bolt placed under the body.
- ▶ Shelf slides horizontally into the cabinet and locking/unlocking is carried out with cross screwdriver, by turning the plastic fixing-bolt.
- ▶ Available:
 - for glass shelves 5-6 mm thick.
 - for glass shelves 8-10 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 screw.
- ▶ In accordance with the European Regulations UNI EN 14749/05.



SHELF INSTALLATION



SHELF LOCKING

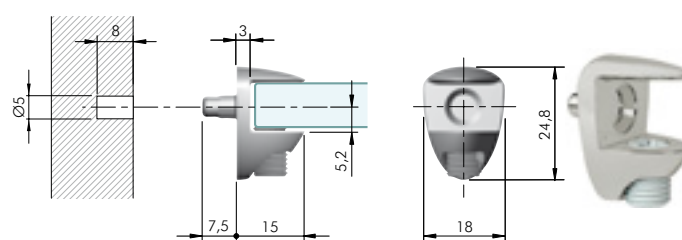
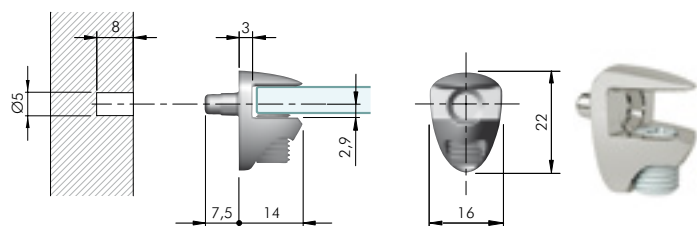


COBRA WITH LOCKING METRIC SCREW

ITEM 183 | COBRA SMOOTH PIN Ø 5 mm FOR GLASS 5-6 mm THICK
FINISH | ZINC ALLOY NICKEL-PLATED WITH PLASTIC METRIC INSERT | RIH1892

COBRA SMOOTH PIN Ø 5 mm FOR GLASS 8 mm THICK
Zinc alloy nickel-plated with plastic metric insert

Ⓢ On demand

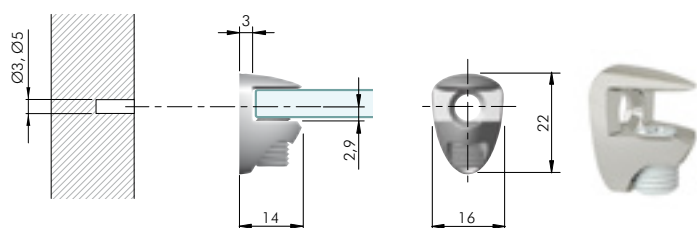


COBRA SCREW HOLE FOR GLASS 5-6 mm THICK

Zinc alloy nickel-plated with plastic metric insert

- To achieve horizontal connection.

Ⓢ On demand

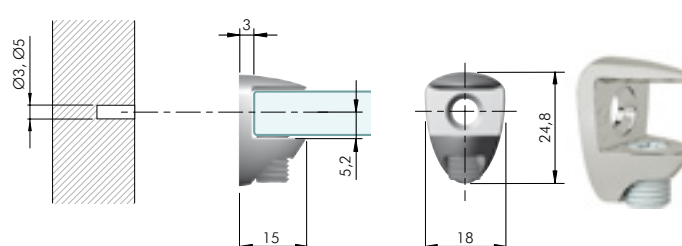


COBRA SCREW HOLE FOR GLASS 8 mm THICK

Zinc alloy nickel-plated with plastic metric insert

- To achieve horizontal connection.

Ⓢ On demand





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

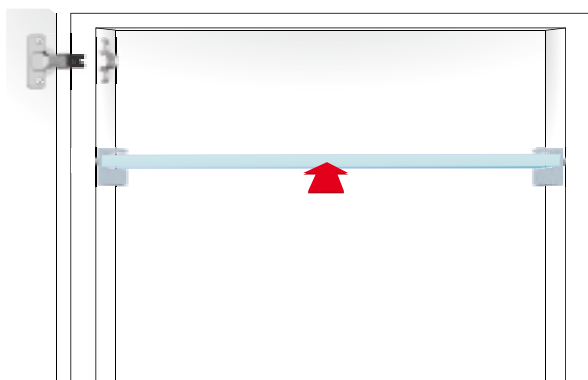
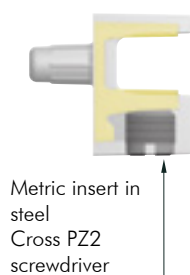
- ▶ Brand new blocking glass-shelf support for dispatching either flat pack or rigid furniture and for guaranteeing domestic safety.
- ▶ Consists of a single zinc alloy element with layer of soft rubber on both the upper and lower side and metal insert placed under the body.
- ▶ Shelf slides horizontally 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.



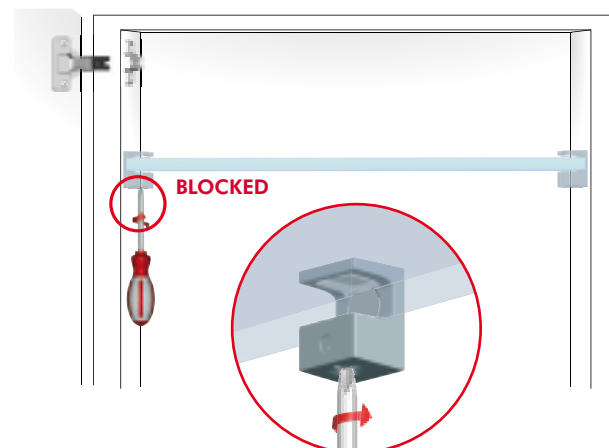
REGISTERED DESIGN

SHELF INSTALLATION

THE COLOURED PART IS IN CLEAR SOFT RUBBER



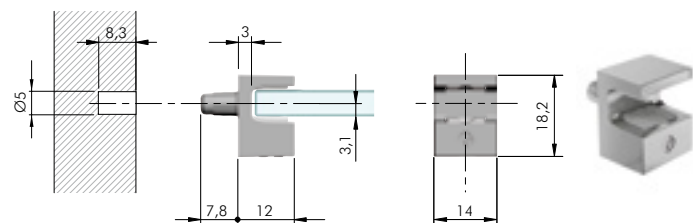
SHELF LOCKING



KRISTAL WITH LOCKING METRIC SCREW

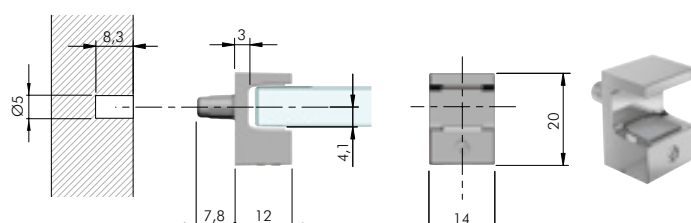
ITEM 181 | KRISTAL SMOOTH PIN Ø 5 mm FOR GLASS 5-6 mm THICK
FINISH | ZINC ALLOY NICKEL-PLATED WITH STEEL METRIC INSERT | RIH1891

Ⓢ On demand: Chrome plated



KRISTAL SMOOTH PIN Ø 5 mm FOR GLASS 8 mm THICK
Zinc alloy nickel or chrome plated with steel metric insert

Ⓢ On demand

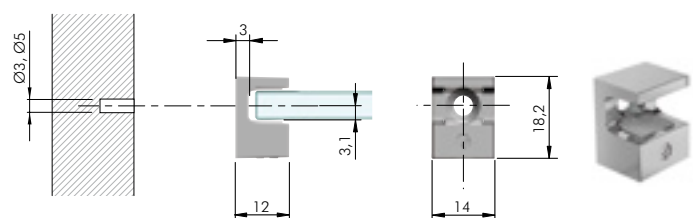


KRISTAL SCREW HOLE FOR GLASS 5-6 mm THICK

Zinc alloy nickel or chrome plated with steel metric insert

• To achieve horizontal connection.

Ⓢ On demand

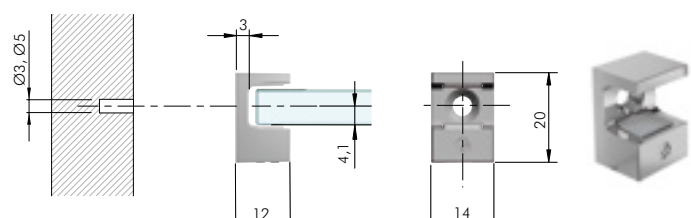


KRISTAL SCREW HOLE FOR GLASS 8 mm THICK

Zinc alloy nickel or chrome plated with steel metric insert

• To achieve horizontal connection.

Ⓢ On demand





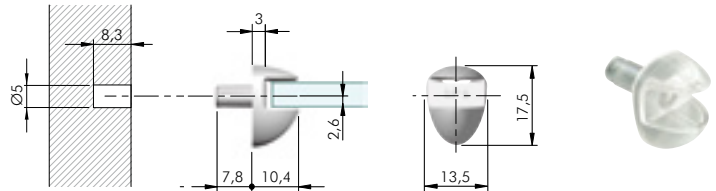
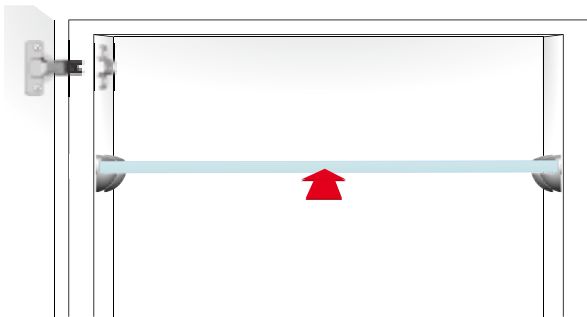
For further information: www.italianaferramenta.com > CATALOGUE > GLASS SHELF SUPPORTS

- ▶ Blocking glass shelf support for dispatching either flat pack or rigid furniture and for guarantee domestic safety.
- ▶ Consists of a single engineering plastic element.
- ▶ Shelf slides horizontally into the cabinet.
- ▶ Available for glass shelves 5 and 6 mm thick.
- ▶ In accordance with the European Regulations UNI-EN 1727.



SHELF INSTALLATION

ITEM 179 | GEKO SMOOTH PIN Ø 5 mm FOR GLASS 6 mm THICK
COLOUR | PLASTIC CLEAR | RIH1997



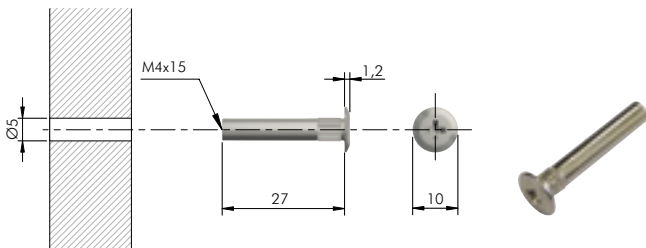
CONNECTING SCREWS



Articles on demand

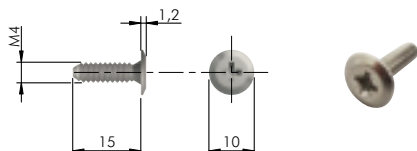
FLAT HEAD SLEEVE NUT

Steel nickel-plated



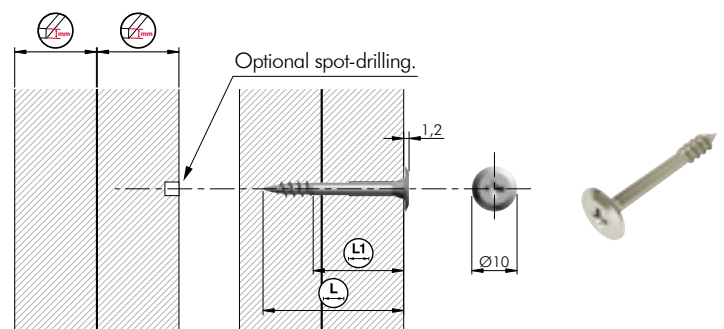
FLAD HEAD CONNECTING SCREW

Steel nickel-plated



ONE PIECE FLAT HEAD CONNECTOR SCREW

Steel nickel-plated



L	L1	
27	16	15-16
31	20	18-20

PULL-IN CORNER BRACKET

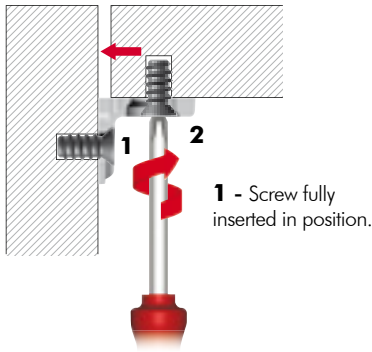


For further information: www.italianaferramenta.com > CATALOGUE > CONNECTINGS

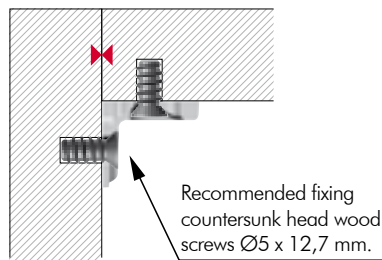
- ▶ 90 degree bracket with pulling connection.
- ▶ Suitable for shelves and general cabinets construction.
- ▶ Once the side with round hole is fixed in position, the pulling connection is carried out while screwing the other side which is provided with a wedged slot.

INSTALLATION

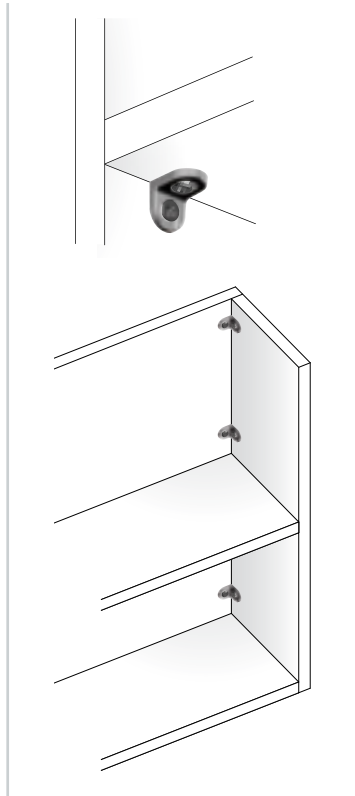
BEFORE SCREWING OPERATION 2



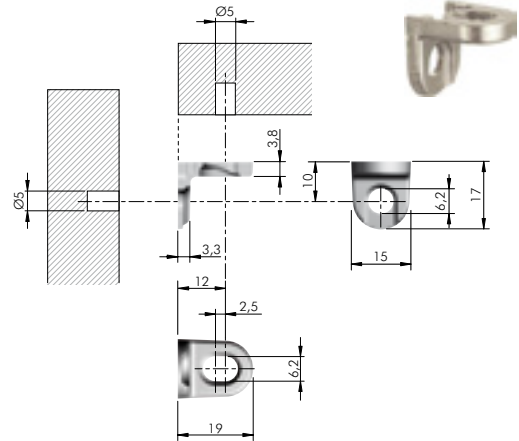
AFTER SCREWING OPERATIONS



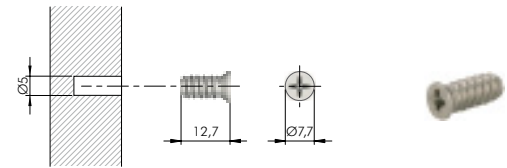
APPLICATIONS



ITEM 128 | PULL-IN CORNER BRACKET
FINISH | ZINC ALLOY NICKEL-PLATED | RIH2070



ITEM 128 | COUNTERSUNK EURO SCREW $\text{Ø}5 \times 12,7$ mm
FINISH | STEEL NICKEL-PLATED | RIH2071



PK2 TEMPLATE

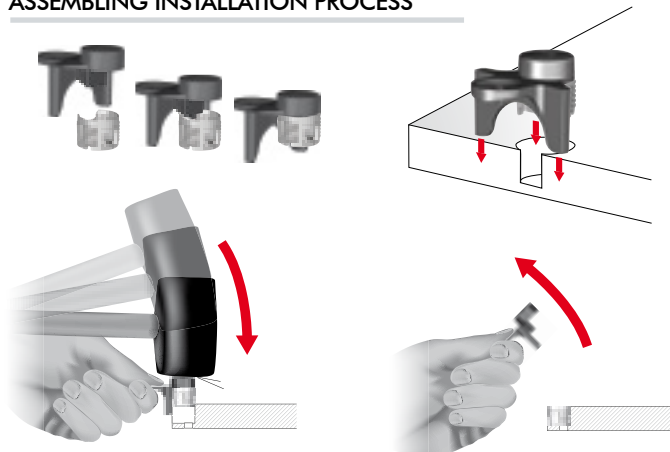


For further information: www.italianaferramenta.com > CATALOGUE > SHELF SUPPORTS

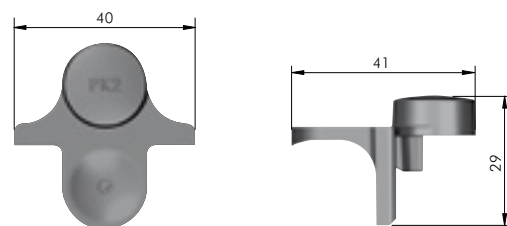
- ▶ Plastic PK2 Template for easily installing by hand the PK2 shelf support onto the shelf.
- ▶ Wedge-shaped socket ensures that the PK2 shelf support is correctly inserted onto the shelf.
- ▶ The two wings guarantee the perfect alignment of the PK2 shelf support.
- ▶ Once the PK2 shelf support is slotted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



ASSEMBLING INSTALLATION PROCESS



ITEM 136 | TEMPLATE
COLOUR | PLASTIC BLACK | RIH2078

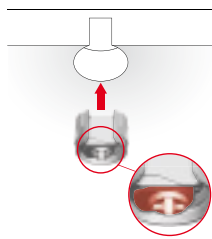




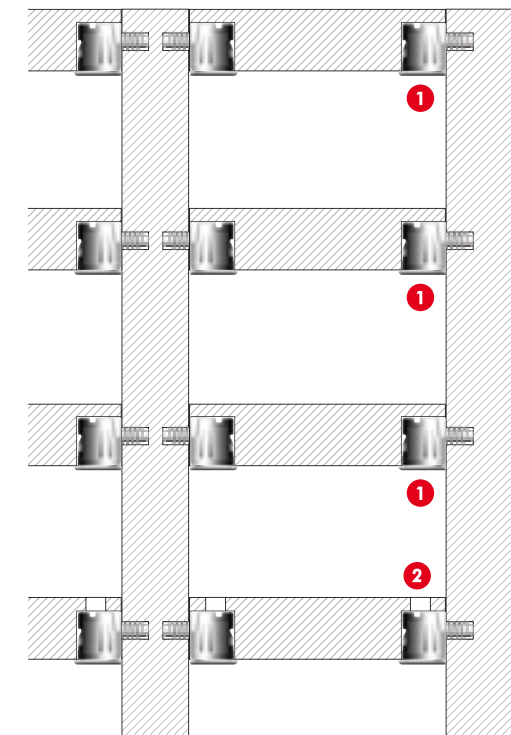
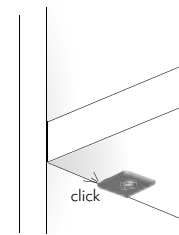
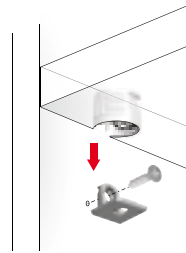
- ▶ New connecting fitting for the complete cabinet construction (base shelves and top) providing structural fastening.
- ▶ Suitable for heavy duty wardrobes, bookcases, modular furniture, office furniture and dismantled furniture (Do It by Yourself).
- ▶ Available for 16, 18, 25, 29 mm thick panels.
- ▶ 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 connecting also 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



INSTALLATION

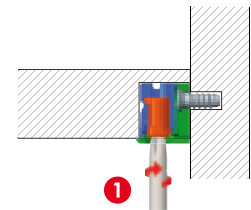


VERY IMPORTANT:
Make sure that the mini fix faces downwards.

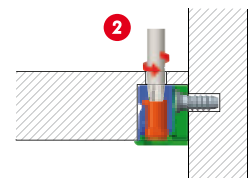


STRUCTURAL FASTENING with cross PZ2 screwdriver :

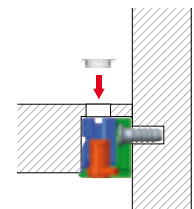
90° turning from the lower side, for the shelves and for the top.



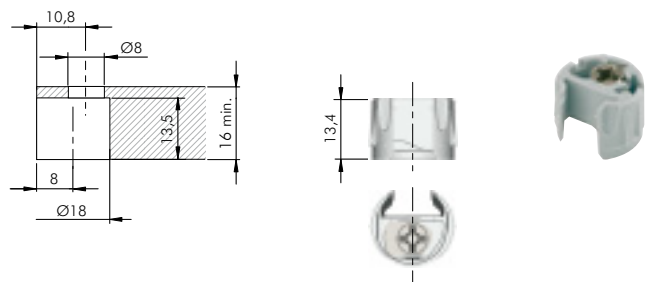
90° turning from the upper side, for the furniture floor.



After turning the minifix.



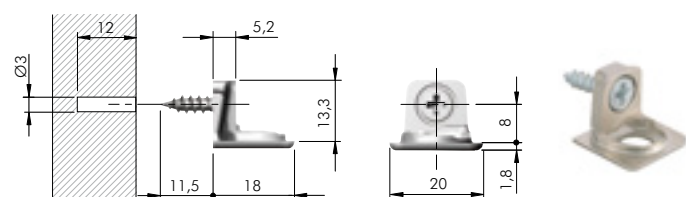
ITEM 133 | **PK2 FOR PANEL 16 mm THICK MINIMUM**
 FINISH | PLASTIC GREY WITH ZINC ALLOY MINI FIX | RIH2075



SIDE BRACKET PRE-INSERTED SCREW

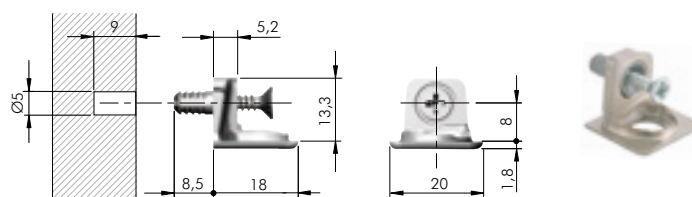
Zinc alloy nickel-plated and steel

On demand



ITEM 134 | **SIDE BRACKET PRE-INSERTED SPREADING BUSH AND SCREW**
 FINISH | ZINC ALLOY NICKEL-PLATED, STEEL AND PLASTIC | RIH2076

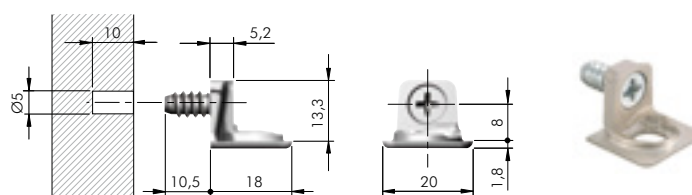
- To avoid hole damaging for shelf repositioning.



SIDE BRACKET PRE-INSERTED EURO SCREW

Zinc alloy nickel-plated and steel

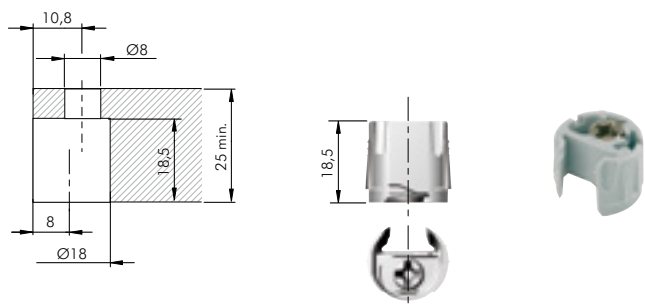
On demand



PK2 FOR PANEL 25 mm THICK MINIMUM

Plastic grey with zinc alloy mini fix

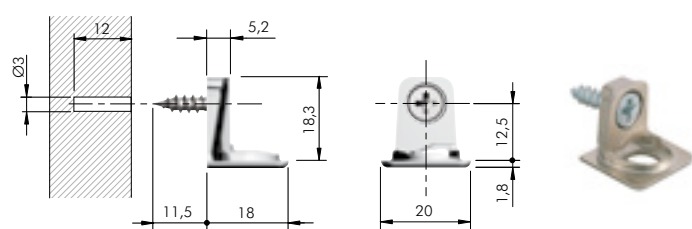
On demand



SIDE BRACKET PRE-INSERTED SCREW

Zinc alloy nickel-plated and steel

On demand

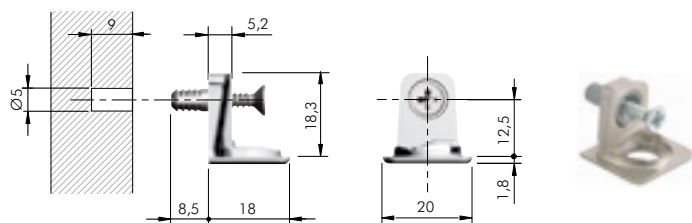


SIDE BRACKET PRE-INSERTED SPREADING BUSH AND SCREW

Zinc alloy nickel-plated, steel and plastic

- To avoid hole damaging for shelf repositioning.

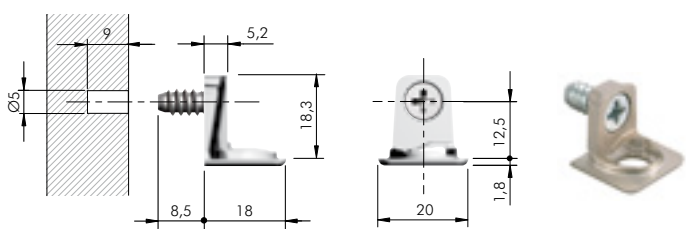
On demand



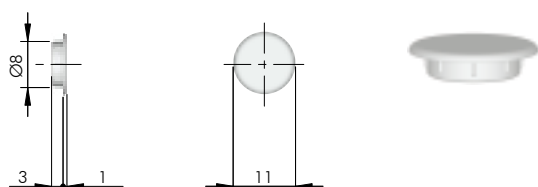
SIDE BRACKET PRE-INSERTED EURO SCREW

Zinc alloy nickel-plated and steel

On demand



ITEM 135 | **COVER CAP Ø 8 mm**
 COLOUR | PLASTIC WHITE | RIH2077





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.



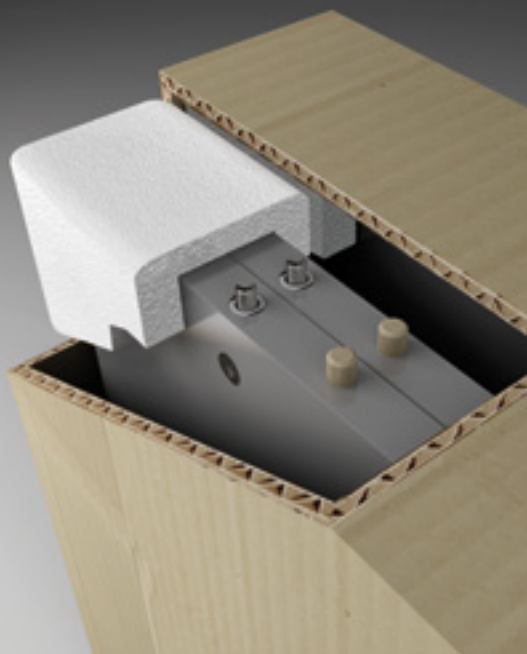
HIGH-SPEED ASSEMBLING

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

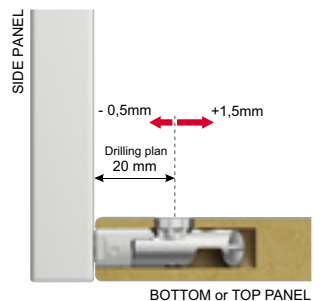
SUITABLE FOR FURNITURE IN KIT

WIDE DRILLING TOLERANCES

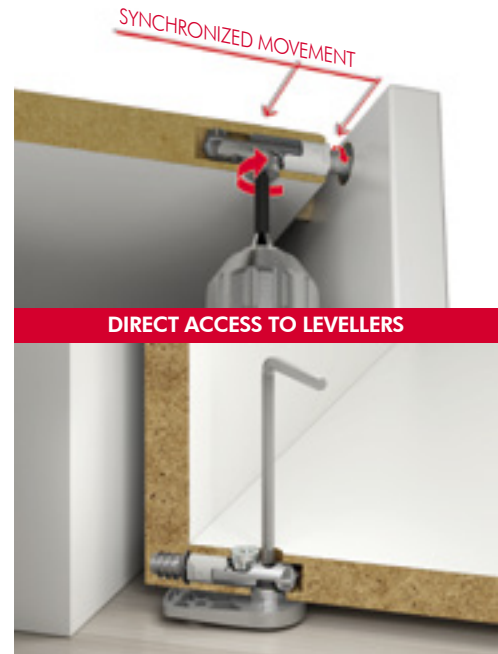
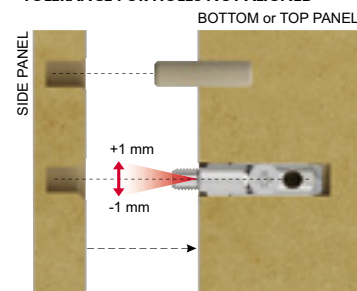
HIGH-SPEED ASSEMBLING



TOLERANCE FOR DISTANCE PINION SCREW HOLE



TOLERANCE FOR HOLES NOT ALIGNED



- ▶ TARGET J10 is the new connecting fitting characterized by a very strong fastening capacity and it 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 minimalistic 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.



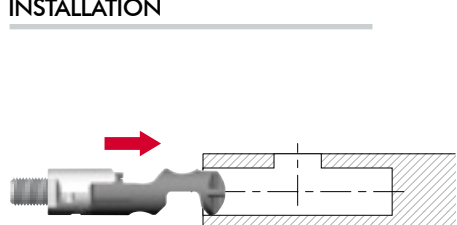
High product quality
2017 Edition

interzum Award
High product quality

GERMAN DESIGN AWARD WINNER 2018

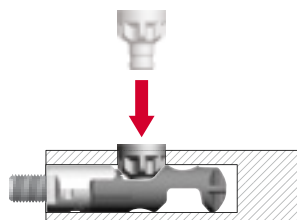
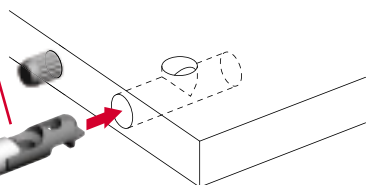
PAT. PENDING

INSTALLATION

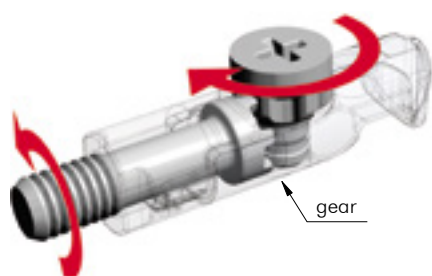
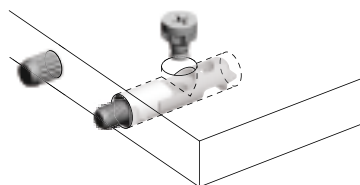


VERY IMPORTANT

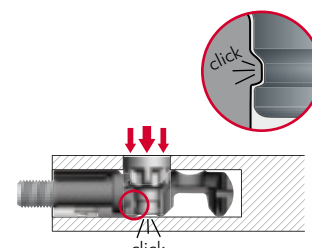
Insert TARGET connecting with countersunk hole on top.



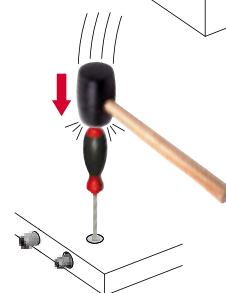
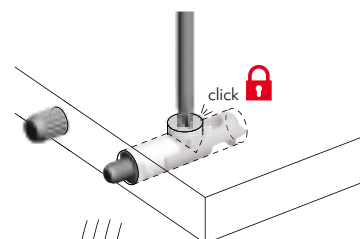
Place the pinion screw from above.



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

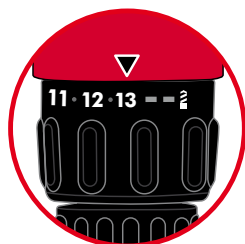


Press strongly with PZ2 cross screwdriver to slot the pinion screw in.



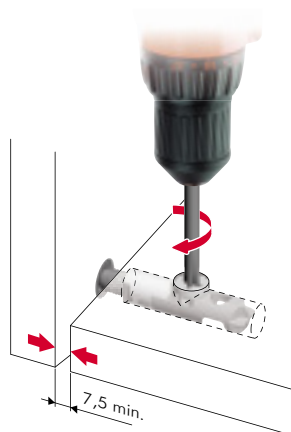
It may be helpful to use a tool in order to easily slot the pinion screw in.

ASSEMBLING

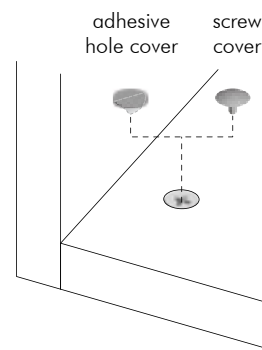


VERY IMPORTANT

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

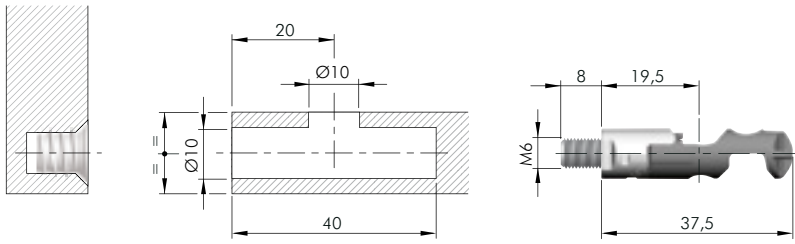


COVER CAPS



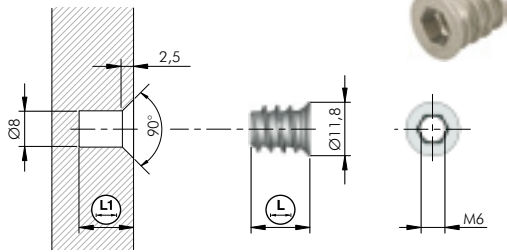
TARGET J10 - M6

ITEM 1538 | **TARGET J10 FOR PANEL 15-16 MM THICK MINIMUM, M6**
 FINISH | RAW ZINC ALLOY, STEEL ZINC-PLATED AND PLASTIC GREY | RIH1036



INSERT NUT

Raw zinc-alloy

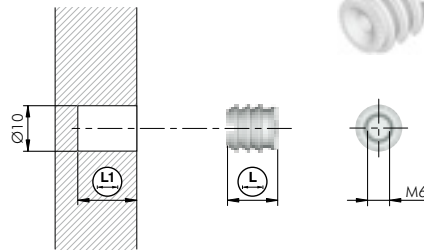


On demand	13	15
On demand	17	19

ITEM 242 | RIH 1986

Natural plastic

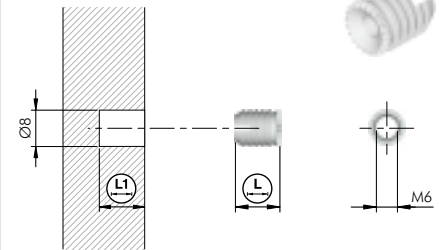
On demand



On demand	11	13
On demand	13	15

Natural plastic

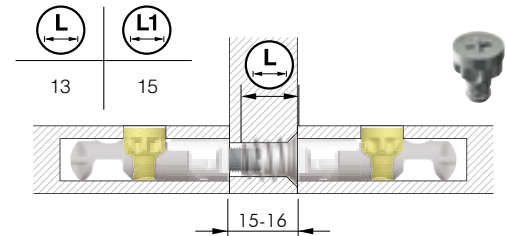
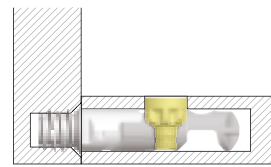
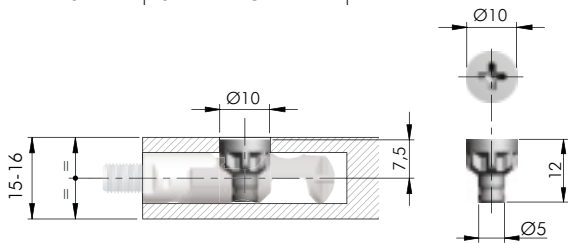
On demand



On demand	11	13

ITEM 1544 | **TARGET J10 PINION SCREW Ø 10 MM FOR PANEL 15-16 MM THICK**

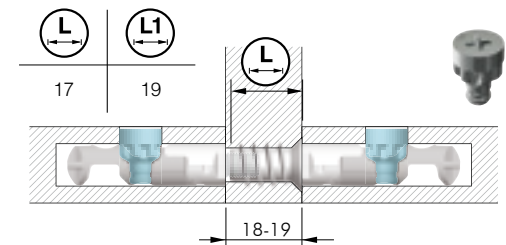
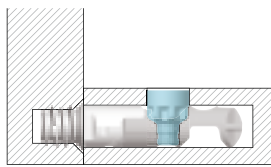
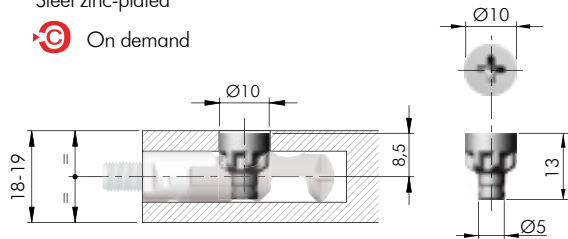
FINISH | STEEL ZINC-PLATED | RIH1038



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

Steel zinc-plated

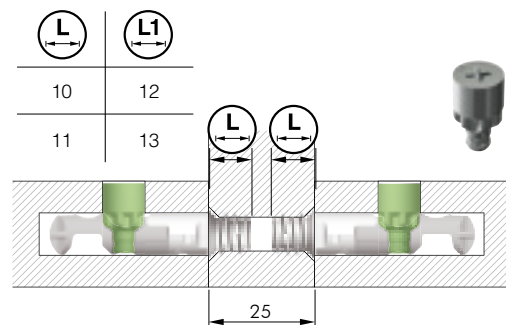
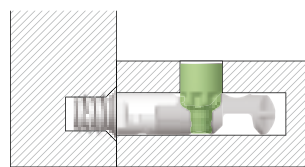
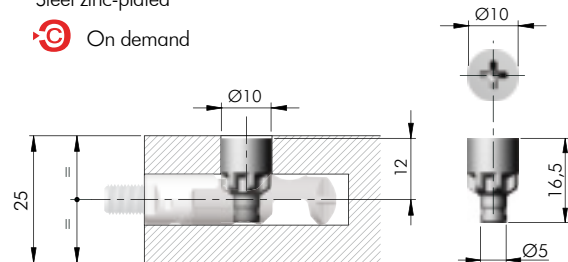
On demand



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

Steel zinc-plated

On demand

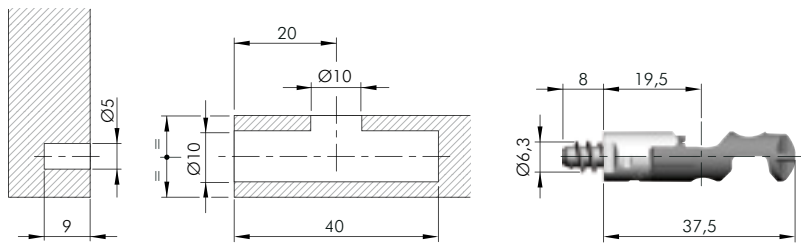


TARGET J10 - EURO THREAD

Articles on demand

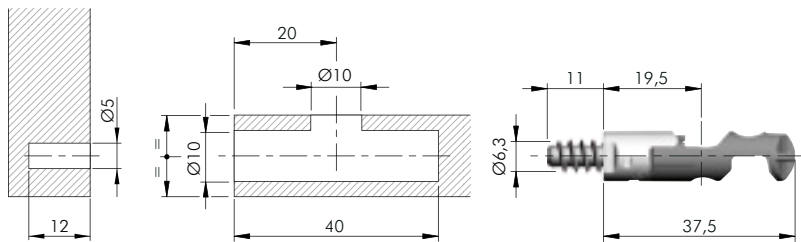
TARGET J10 FOR PANEL 15-16 MM THICK MINIMUM, EURO THREAD L. 8 MM

Zinc alloy, steel zinc-plated and plastic



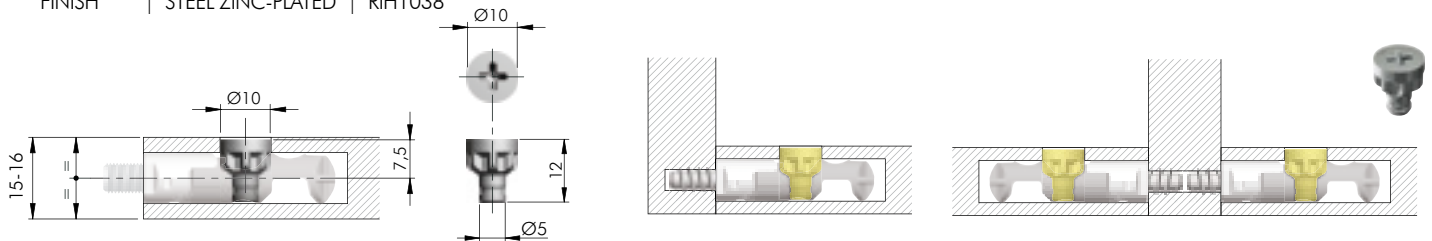
ITEM 1539 | TARGET J10 FOR PANEL 15-16 MM THICK MINIMUM, EURO THREAD L. 11 MM

FINISH | RAW ZINC ALLOY, STEEL ZINC-PLATED AND PLASTIC GREY | RIH1037



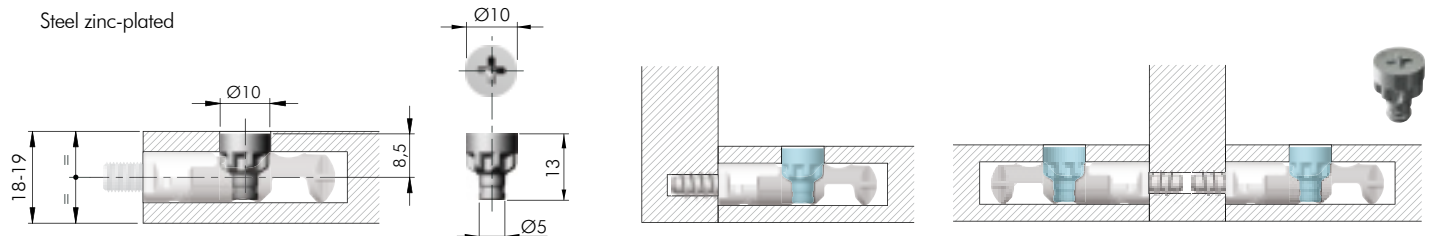
ITEM 1544 | TARGET J10 PINION SCREW Ø 10 MM FOR PANEL 15-16 MM THICK

FINISH | STEEL ZINC-PLATED | RIH1038



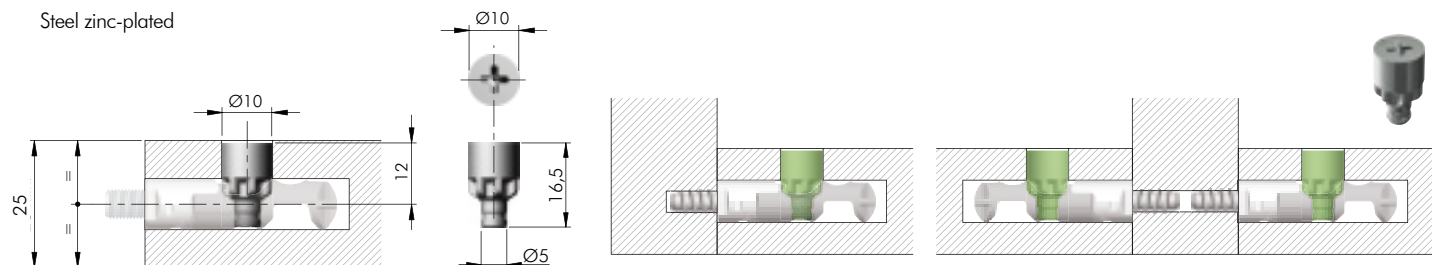
TARGET J10 PINION SCREW Ø 10 MM FOR PANEL 18-19 MM THICK

Steel zinc-plated



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

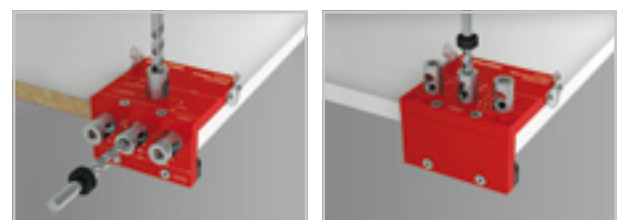
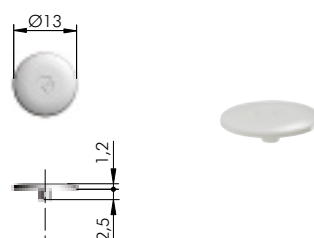
Steel zinc-plated



TARGET J10 PINION SCREW COVER

Plastic

- White
- Anthracite
- Light grey



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

LH7.28 ADJUSTABLE LEVELLER FOR TARGET J10

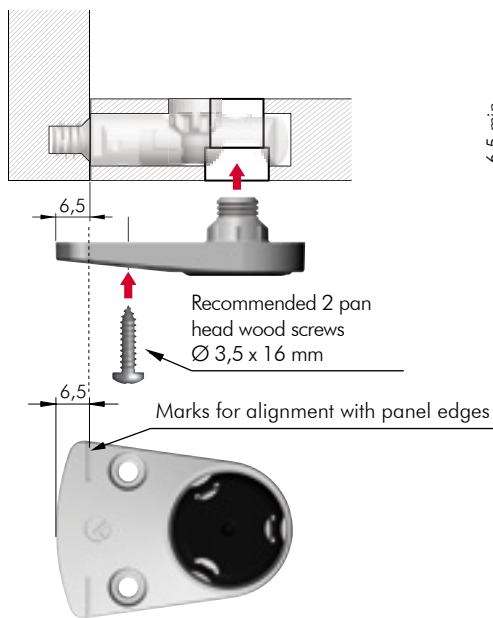


For further information: www.italianaferramenta.com > CATALOGUE > CONNECTINGS

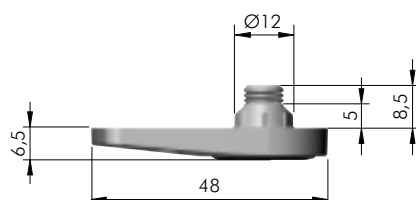
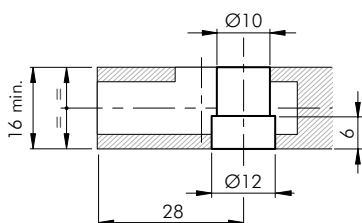
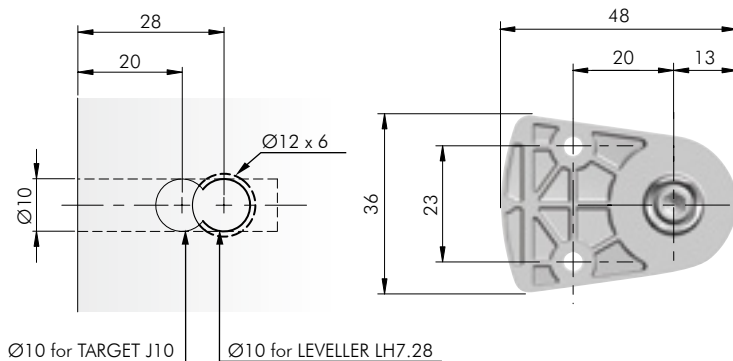
- ▶ Particularly suitable for wall units with weight-bearing bottoms.
- ▶ Minimum panel thickness 16mm in combination with Target J10.
- ▶ 5 mm adjustment with leveller safety locking when fully adjusted.
- ▶ Adjustment to be carried out with an S4 key by drilling a bespoke hole on the panel.
- ▶ The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



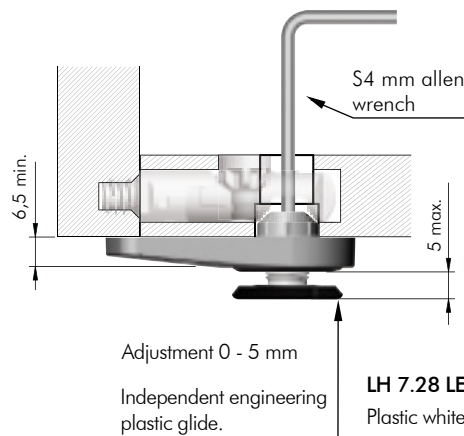
INSTALLATION



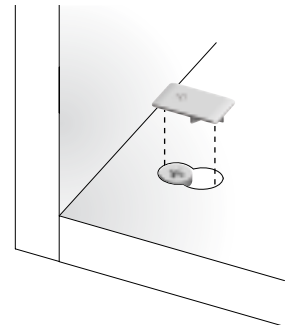
ITEM 1572 | **LEVELLER LH 7.28 FOR TARGET J10**
FINISH | RAW ZINC ALLOY AND PLASTIC BLACK | RIH1046



ADJUSTMENT



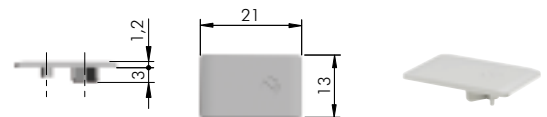
COVER CAP INSERTING



LH 7.28 LEVELLER COVER CAP

Plastic white, anthracite

On demand



ALLEN KEY S4 L. 180 x 70 mm

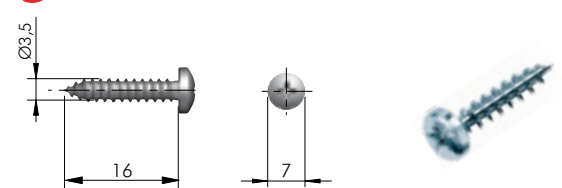
Steel zinc-plated

On demand

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

Steel zinc-plated

On demand





TARGET J12



WIDE RANGE OF APPLICATIONS

Practical solution for a wide range of applications.



STRONG STRUCTURAL FASTENING

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



EASY PRE-ASSEMBLING

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



NO HARDWARE KITS

There is no need of hardware kits.



SUITABLE FOR FURNITURE IN KIT

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



HIGH-SPEED ASSEMBLING

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

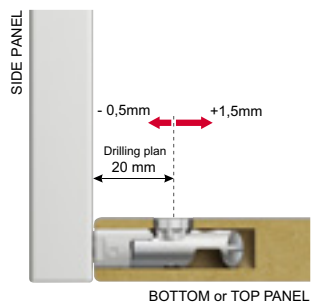
SUITABLE FOR FURNITURE IN KIT

WIDE DRILLING TOLERANCES

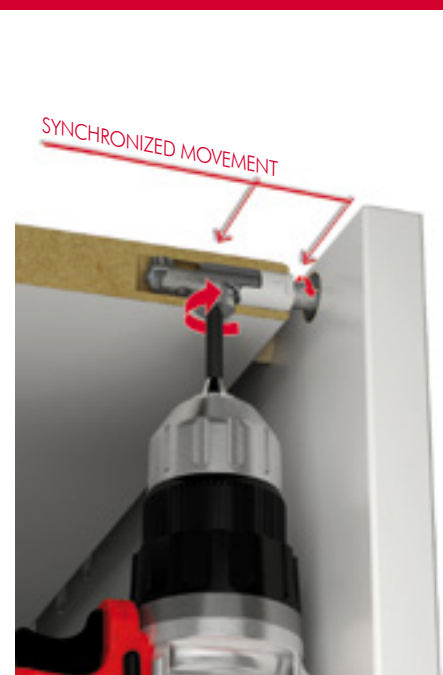
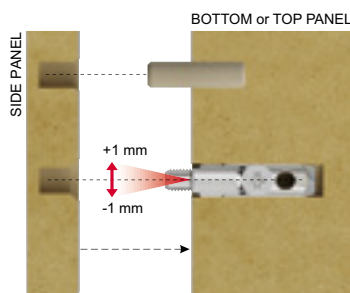
HIGH-SPEED ASSEMBLING



TOLERANCE FOR DISTANCE PINION SCREW HOLE



TOLERANCE FOR HOLES NOT ALIGNED





INTEGRATO G

LEVELLER LH7.20



WIDE RANGE OF APPLICATIONS

Practical solution for a wide range of applications.



STRONG STRUCTURAL FASTENING

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



EASY PRE-ASSEMBLING

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



NO HARDWARE KITS

There is no need of hardware kits.



SUITABLE FOR FURNITURE IN KIT

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



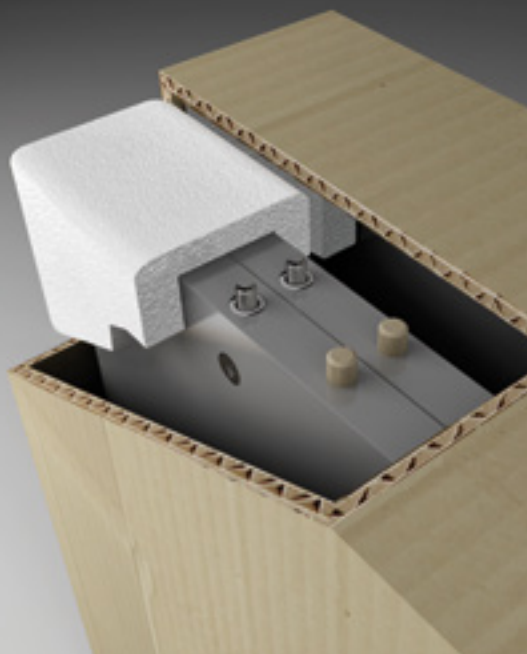
HIGH-SPEED ASSEMBLING

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

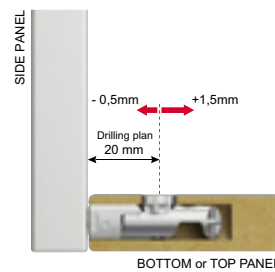
SUITABLE FOR FURNITURE IN KIT

WIDE DRILLING TOLERANCES

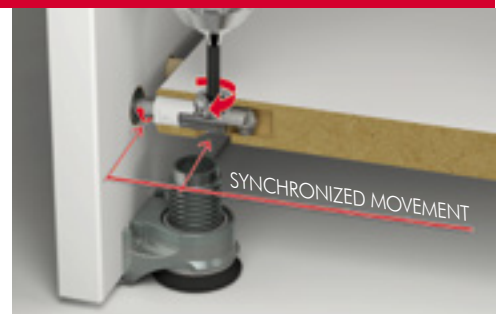
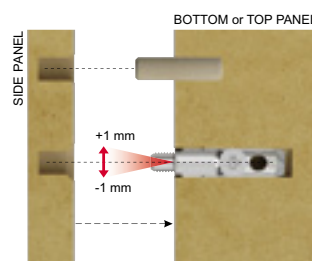
HIGH-SPEED ASSEMBLING



TOLERANCE FOR DISTANCE PINION SCREW HOLE



TOLERANCE FOR HOLES NOT ALIGNED



DIRECT ACCESS TO LEVELLERS



- ▶ TARGET J12 is the new connecting fitting characterized by a very strong fastening capacity and it 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

VERY IMPORTANT
Insert TARGET connecting with countersunk hole on top.

Place the pinion screw from above.

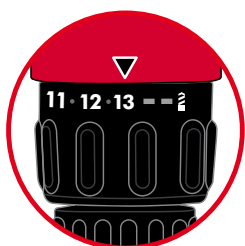
Press strongly with PZ2 cross screwdriver to slot the pinion screw in.

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

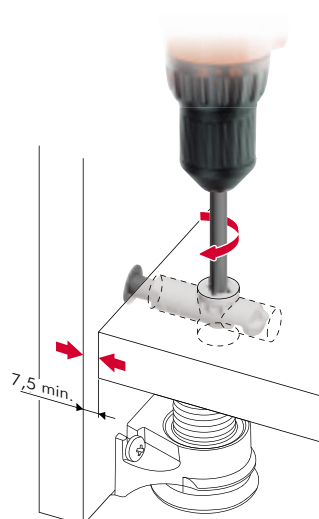
By turning the pinion screw, the threaded dowel makes a synchronized rotation.

gear

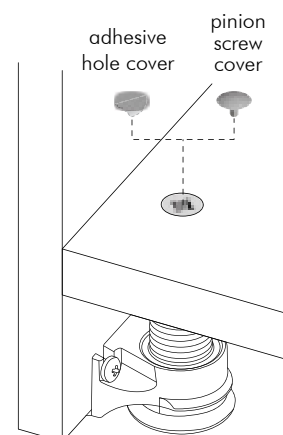
ASSEMBLING



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

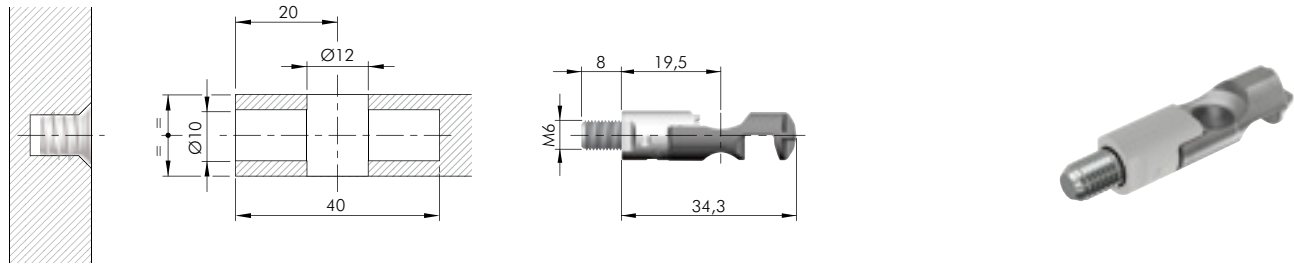


COVER CAPS



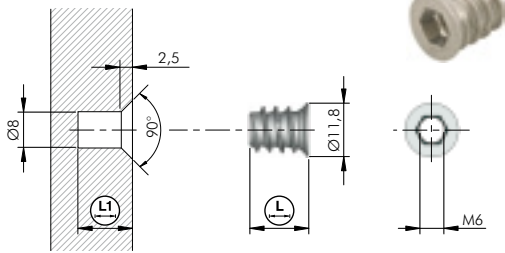
TARGET J12 - M6

ITEM 1547 | TARGET J12 FOR PANEL 15-16 MM THICK MINIMUM, M6
 FINISH | RAW ZINC ALLOY, STEEL ZINC-PLATED AND PLASTIC GREY | RIH1039



INSERT NUT

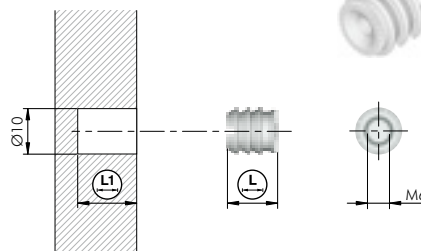
Raw zinc-alloy



On demand	13	15
On demand	17	19
ITEM 242 RIH 1986	10	12

Natural plastic

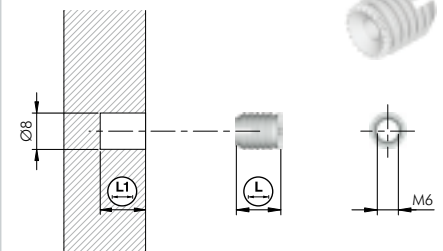
On demand



	11	13
	13	15

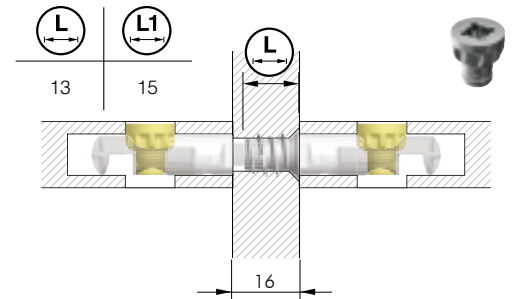
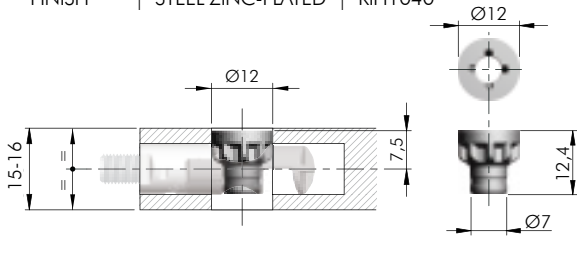
Natural plastic

On demand



	11	13

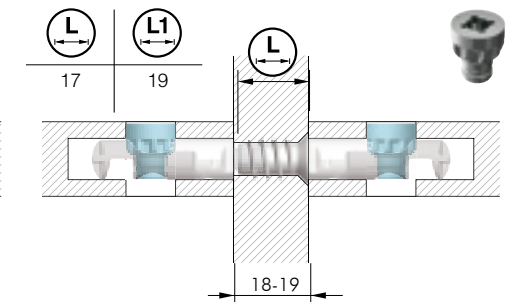
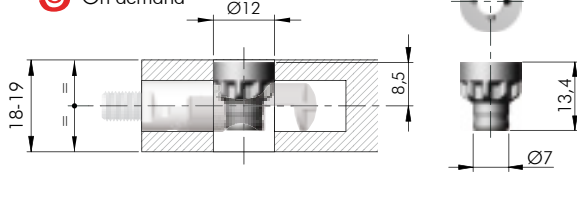
ITEM 1559 | TARGET J12 PINION SCREW Ø 12 MM FOR PANEL 15-16 MM THICK
 FINISH | STEEL ZINC-PLATED | RIH1040



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

Steel zinc-plated

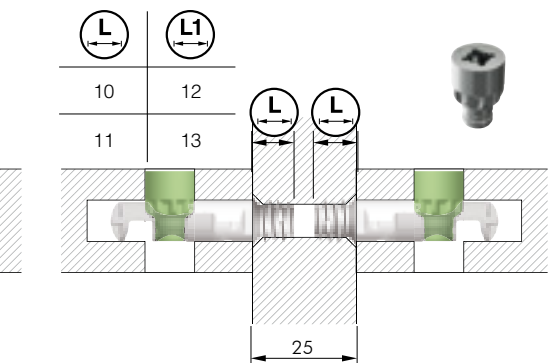
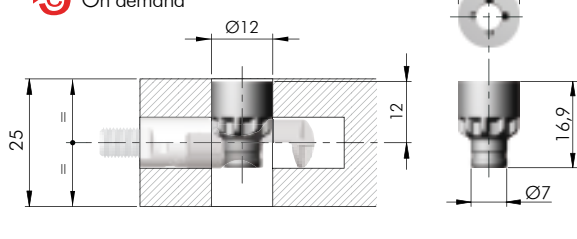
On demand



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

Steel zinc-plated

On demand

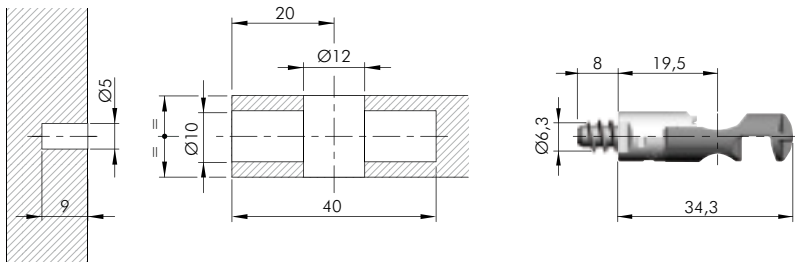


TARGET J12 - EURO THREAD

Articles on demand

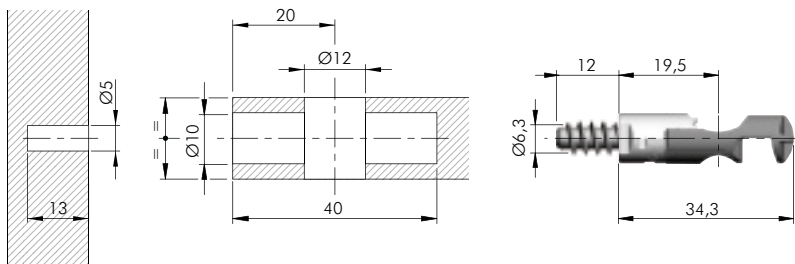
TARGET J12 FOR PANEL 15-16 MM THICK MINIMUM, EURO THREAD L. 8 MM

Zinc alloy, steel zinc-plated and plastic



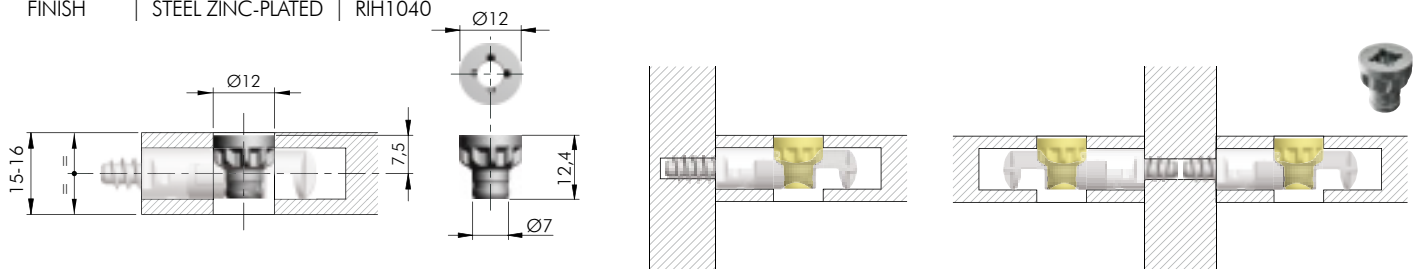
TARGET J12 FOR PANEL 15-16 MM THICK MINIMUM, EURO THREAD L. 12 MM

Zinc alloy, steel zinc-plated and plastic



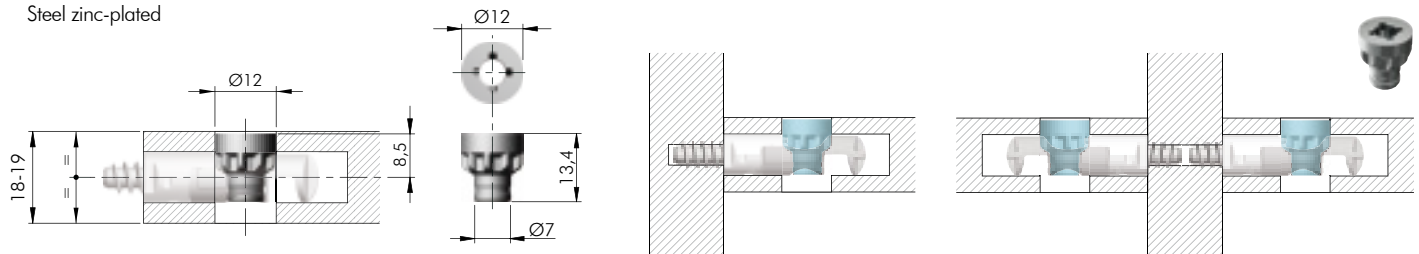
ITEM 1559 | TARGET J12 PINION SCREW Ø 12 MM FOR PANEL 15-16 MM THICK

FINISH | STEEL ZINC-PLATED | RIH1040



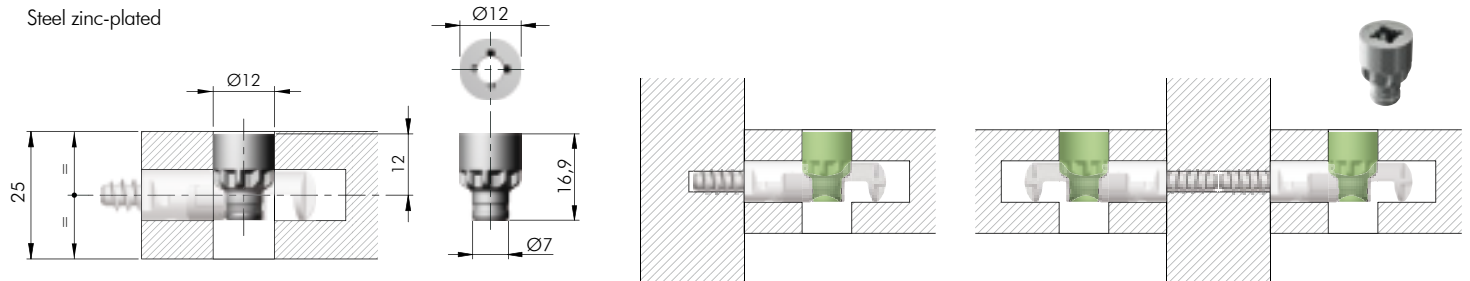
TARGET J12 PINION SCREW Ø 12 MM FOR PANEL 18-19 MM THICK

Steel zinc-plated



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

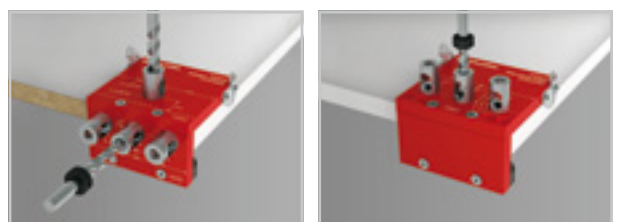
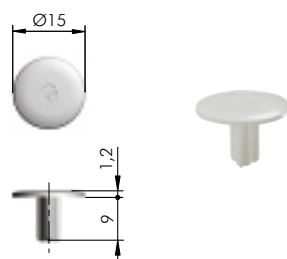
Steel zinc-plated



TARGET J12 PINION SCREW COVER

Plastic

- White
- Anthracite
- Light grey



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

LH7.20 ADJUSTABLE LEVELLER FOR TARGET J12

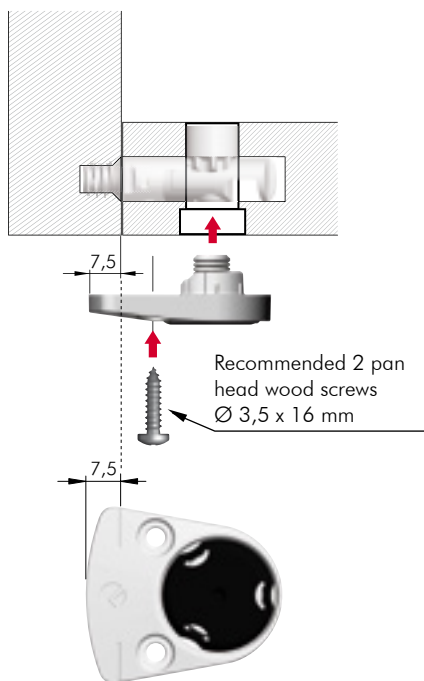


For further information: www.italianaferramenta.com > CATALOGUE > CONNECTINGS

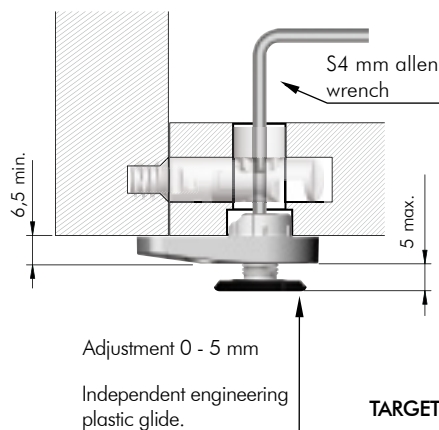
- ▶ Particularly suitable for wall units with weight-bearing bottoms.
- ▶ Minimum panel thickness 25mm in combination with Target J12.
- ▶ 5 mm adjustment with leveller safety locking when fully adjusted.
- ▶ Adjustment to be carried out with an S4 key through the pinion hole (no need for extra drilling).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



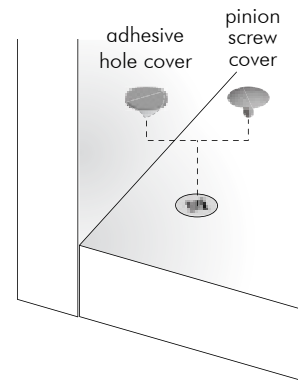
INSTALLATION



ADJUSTMENT



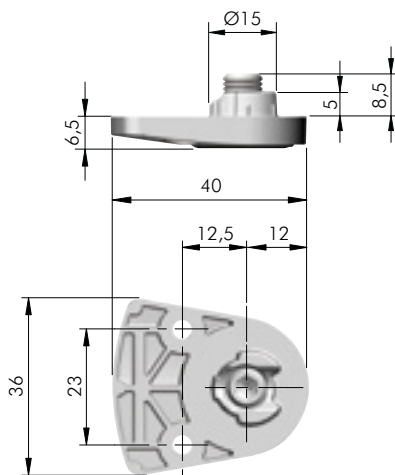
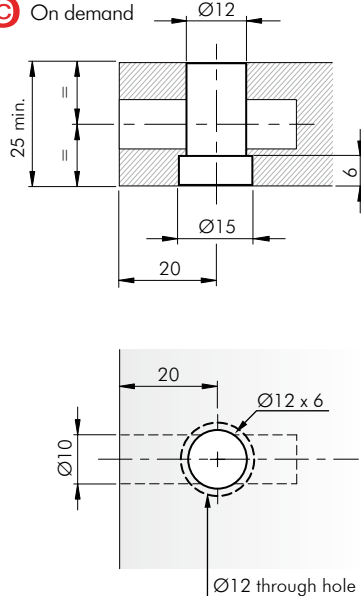
COVER CAP INSERTING



LEVELLER LH 7.20 FOR TARGET J12

Raw zinc alloy and black plastic

Ⓢ On demand



TARGET J12 PINION SCREW COVER

Plastic white / Anthracite / Light grey

Ⓢ On demand



ALLEN KEY S4 L. 180 x 70 mm

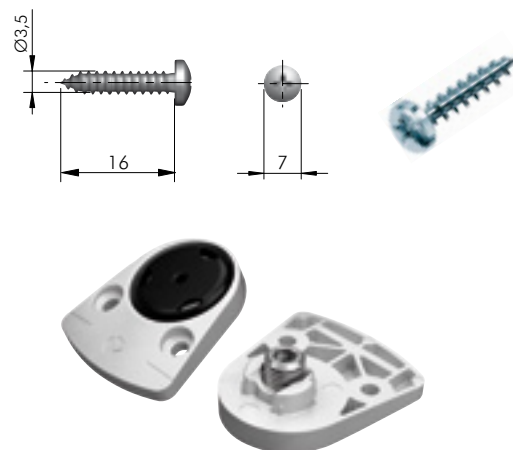
Steel zinc-plated

Ⓢ On demand

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

Steel zinc-plated

Ⓢ On demand



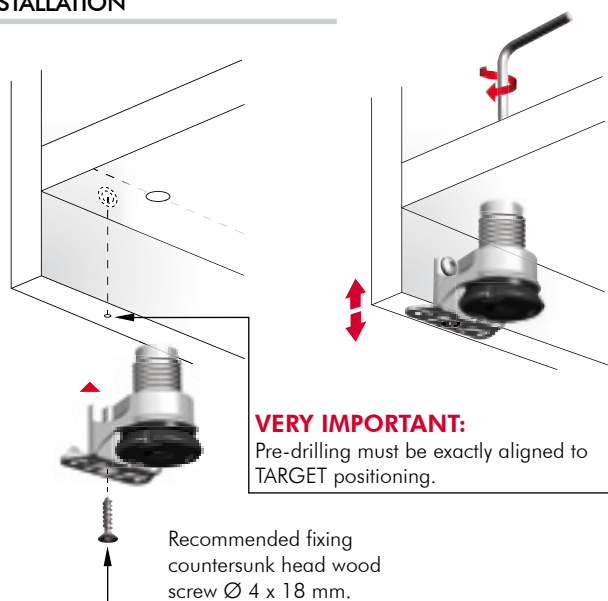


For further information: www.italianaferramenta.com > CATALOGUE > CONNECTINGS

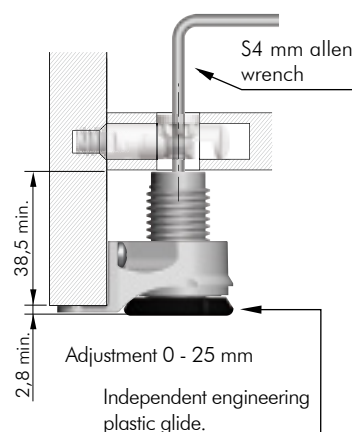
- ▶ Integrato is the leveller suitable to align heavy duty wardrobes, bookcases and modular furniture.
- ▶ The leveller is installed and safely fixed to the side panel by 2 countersunk head screw $\varnothing 4 \times 16$ mm and also 2 pan head screws $\varnothing 4 \times 15$ mm.
- ▶ The leveller adjustment 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, 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.



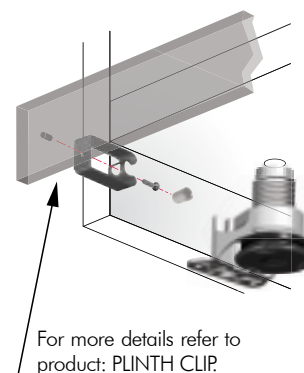
INSTALLATION



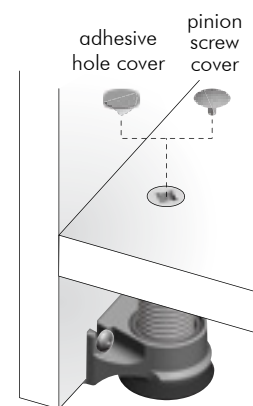
ADJUSTMENT



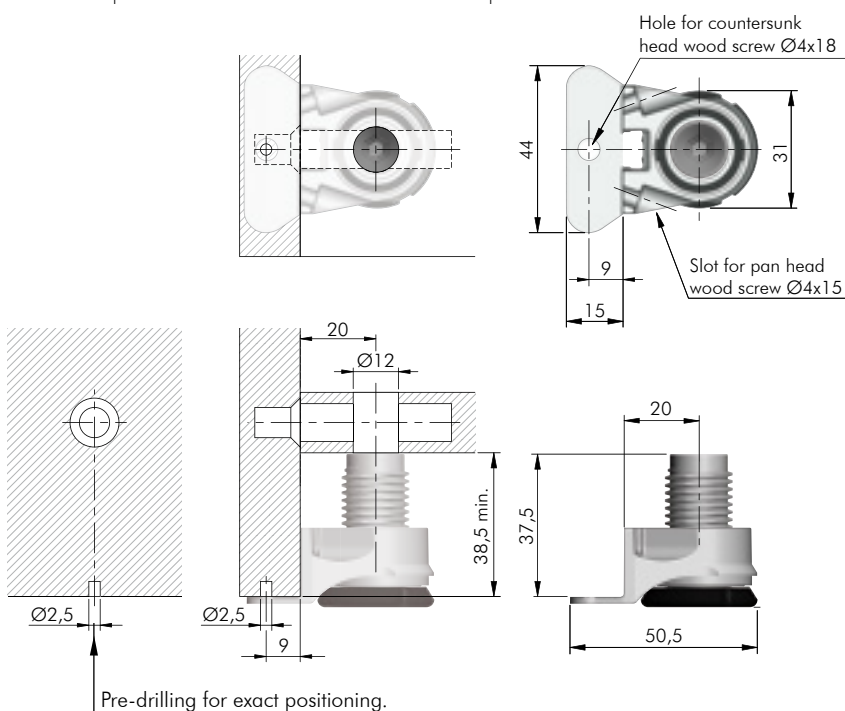
PLINTH CLIP



COVER CAP INSERTING



ITEM 1571 | INTEGRATO A FOR TARGET J12
FINISH | RAW ZINC ALLOY AND PLASTIC BLACK | RIH1041



ALLEN KEY S4 L. 180 x 70 mm

Steel zinc-plated

⊕ On demand

TARGET J12 PINION SCREW COVER

Plastic white / Anthracite / Light grey

⊕ On demand



LH60.20 | ADJUSTABLE LEVELLER FOR TARGET J12

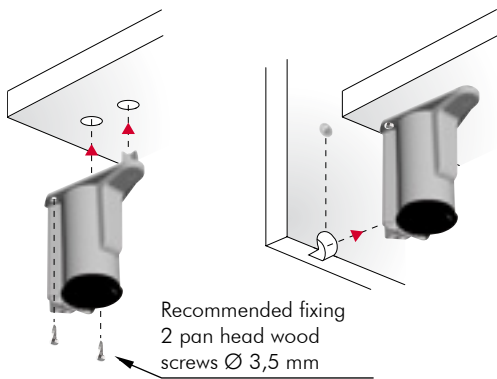


For further information: www.italianaferramenta.com > CATALOGUE > CONNECTINGS

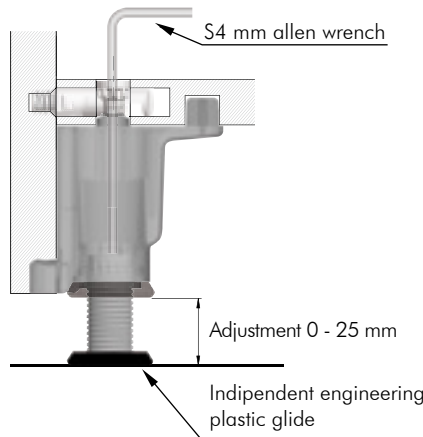
- ▶ Suitable for heavy duty wardrobes, bookcases, modular furniture, office furniture
- ▶ It can be used with TARGET J12
- ▶ Minimum shelf thickness 16mm
- ▶ For cabinets with intermediate panels or partitions it can be mounted in both sides as from 16mm thickness
- ▶ Easy and practical adjustment with 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.



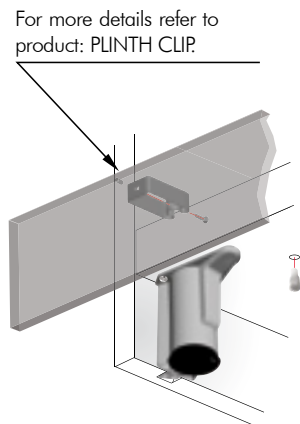
INSTALLATION



ADJUSTMENT



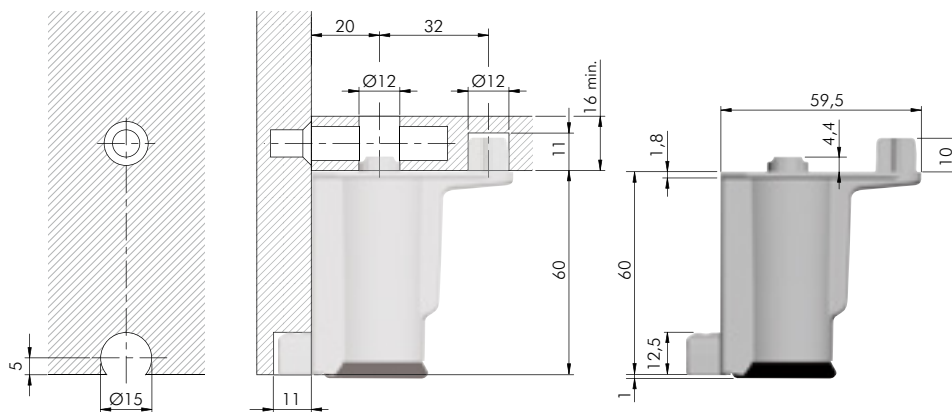
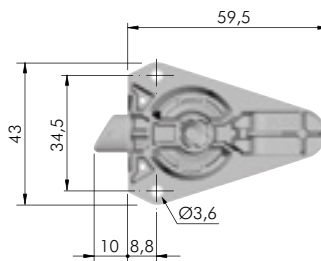
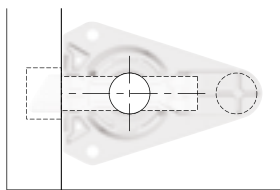
PLINTH CLIP



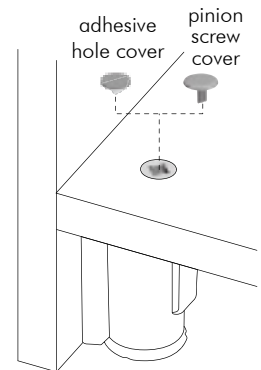
LEVELLER LH60.20 FOR TARGET J12

Raw zinc alloy and plastic.

On demand



COVER CAP INSERTING

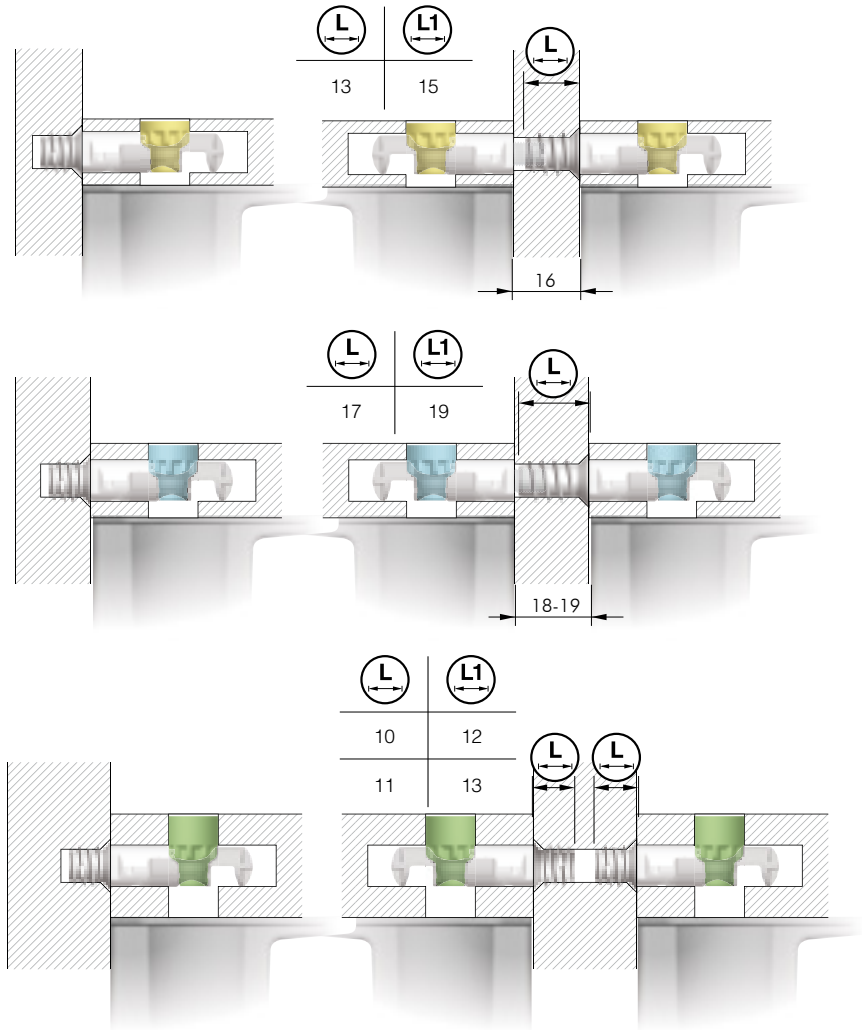
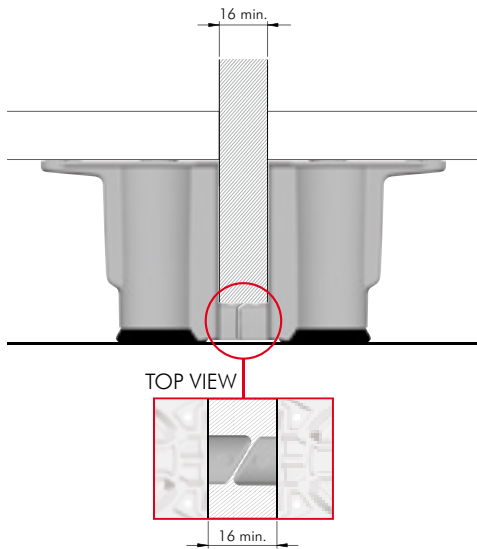


ALLEN KEY S4 L. 180 x 70 mm

Steel zinc-plated

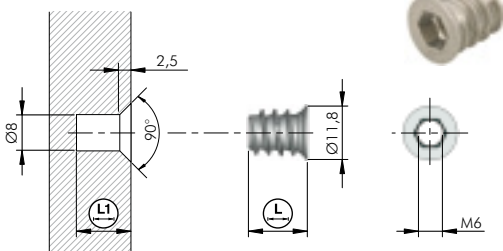
On demand

APPLICATIONS FOR END PANEL AND PARTITION 16 mm THICK MINIMUM



INSERT NUT

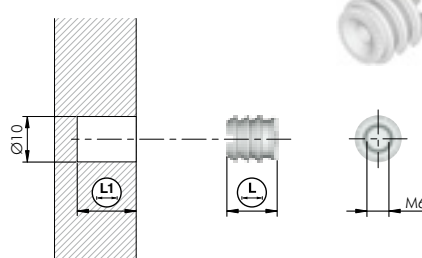
Raw zinc-alloy



On demand	13	15
On demand	17	19
ITEM 242 RIH 1986	10	12

Natural plastic

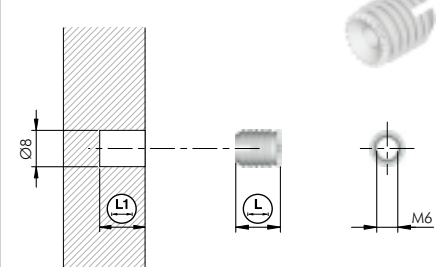
On demand



	11	13
	13	15

Natural plastic

On demand



	11	13

TARGET J12 PINION SCREW COVER

Plastic white / Anthracite / Light grey

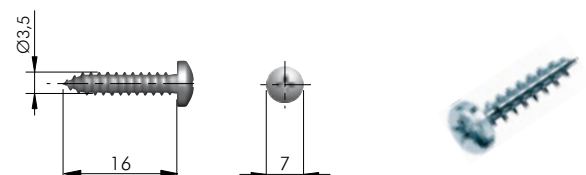
On demand



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

Steel zinc-plated

On demand

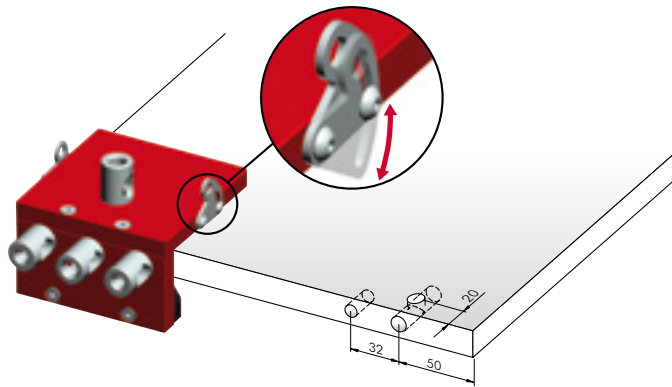


DRILLING JIG TARGET J10/J12

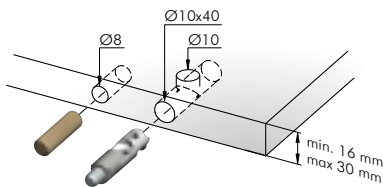


For further information: www.italianaferramenta.com > CATALOGUE > DRILLING JIGS

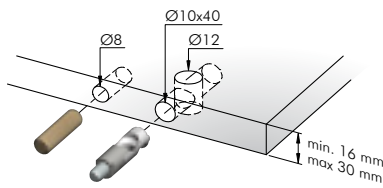
GENERAL SPECIFICATIONS



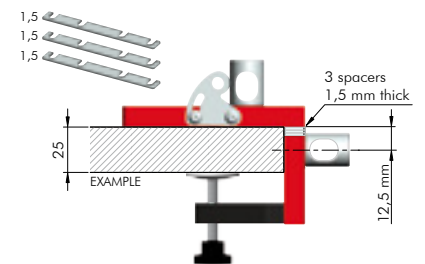
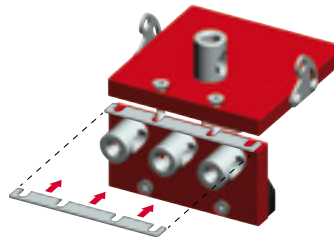
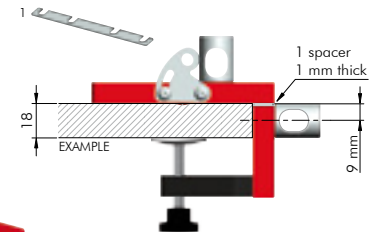
TARGET J10



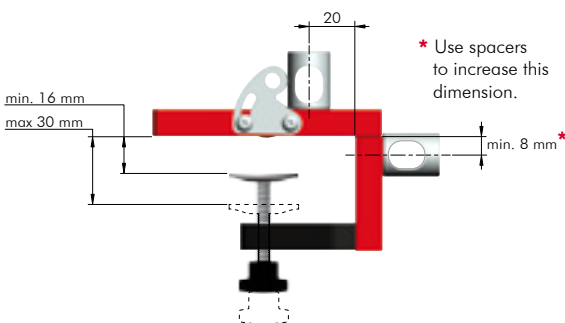
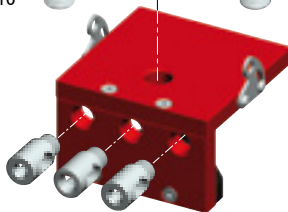
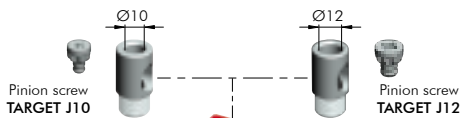
TARGET J12



DRILLING SPACERS FOR OTHER PANEL THICKNESSES

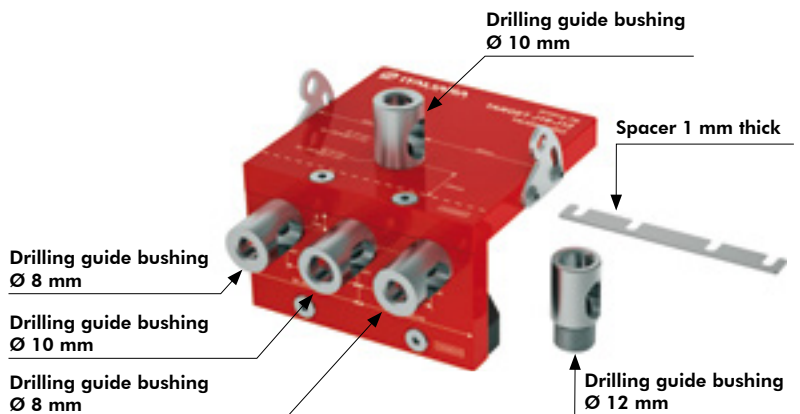


APPLICATION OPTIONS



ITEM 1575 | TARGET J10/J12 DRILLING JIG
FINISH | ALUMINIUM, STEEL AND PLASTIC | RIH1049

- For panel thickness 16 and 18 mm.
- The jig is supplied in carton box including all the components shown in the following picture.



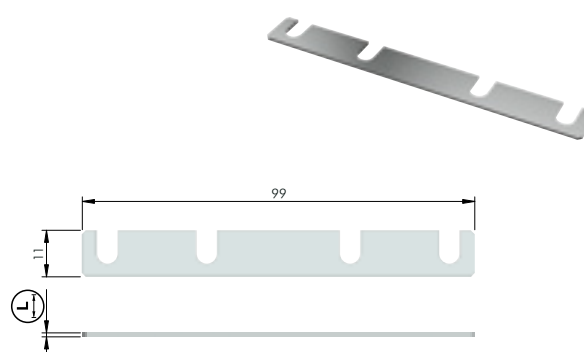


SPACERS FOR TARGET J10/J12 DRILLING JIG

Aluminium.

On demand

L
1
1,5



ITEM 1588 | STOP COLLAR

FINISH | STEEL

	Ø
RIH1843	Ø5
RIH1844	Ø8
RIH1847	Ø10
RIH1848	Ø12



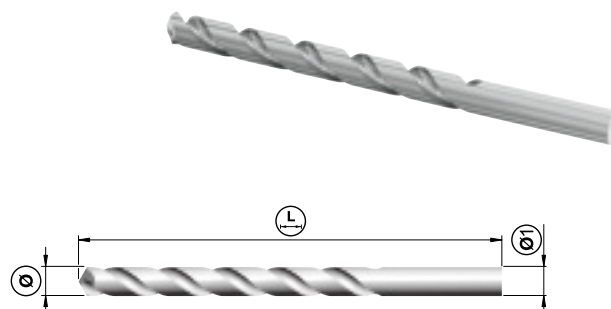
DRILL BIT

High speed steel.

On demand

• For drilling jig we recommend this type of drill bit.

Ø	L
Ø5	86
Ø8	117
Ø10	133
Ø12	150

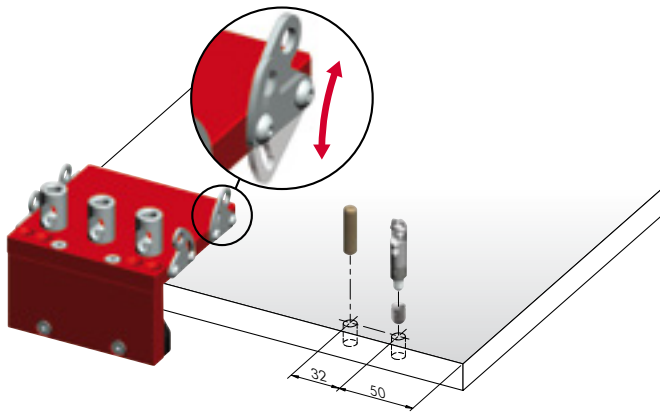


DRILLING JIG TARGET J10/J12 - SIDE PANELS



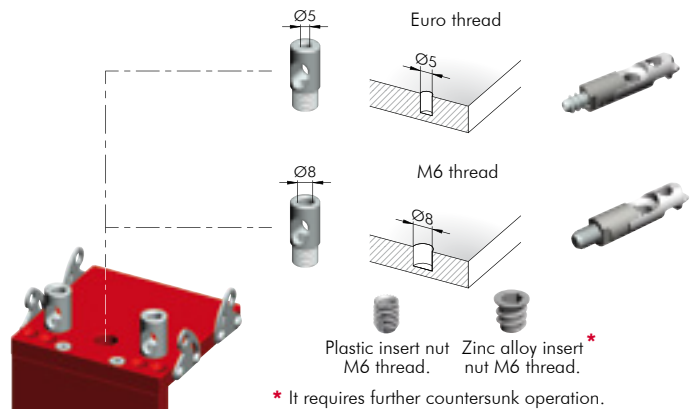
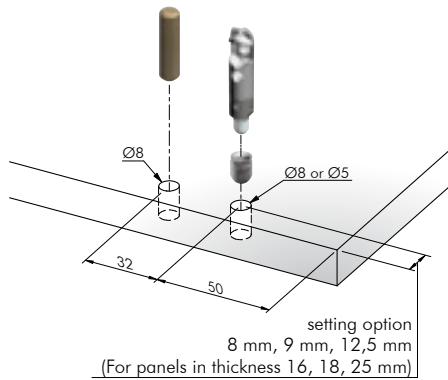
For further information: www.italianaferramenta.com > CATALOGUE > DRILLING JIGS

GENERAL SPECIFICATIONS



APPLICATION OPTIONS

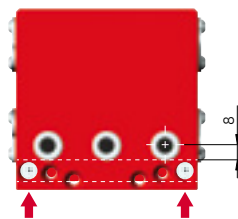
TARGET EURO/M6 THREAD



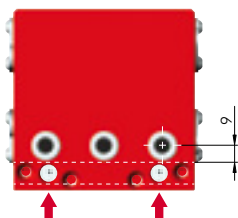
APPLICATION OPTIONS

PANEL THICKNESS SETTING

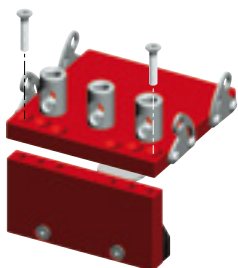
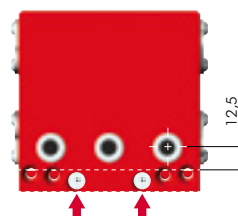
Setting for 8 mm



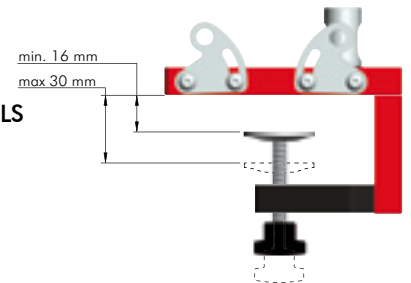
Setting for 9 mm



Setting for 12,5 mm

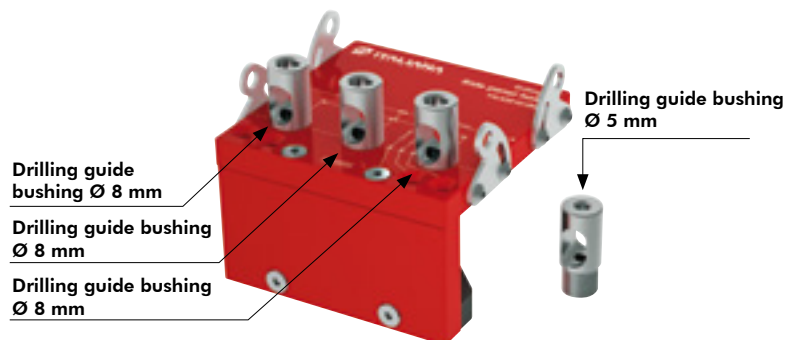


DRILLING JIG TARGET FOR SIDE PANELS

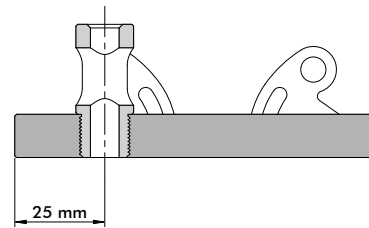
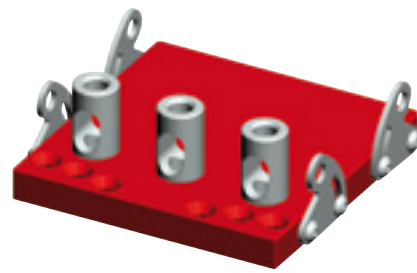
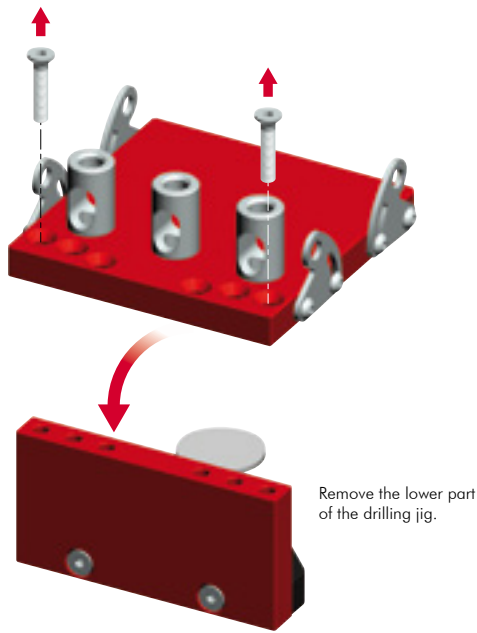


ITEM 1582 | DRILLING JIG TARGET FOR SIDE PANELS
FINISH | ALUMINIUM, STEEL AND PLASTIC | RIH1256

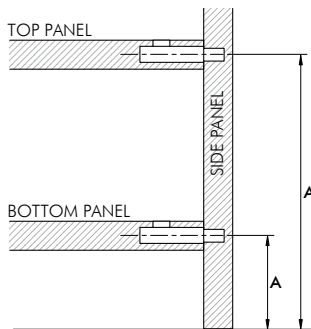
- For panel thickness 16 and 18 mm.
- The jig is supplied in carton box including all the components shown in the following picture.



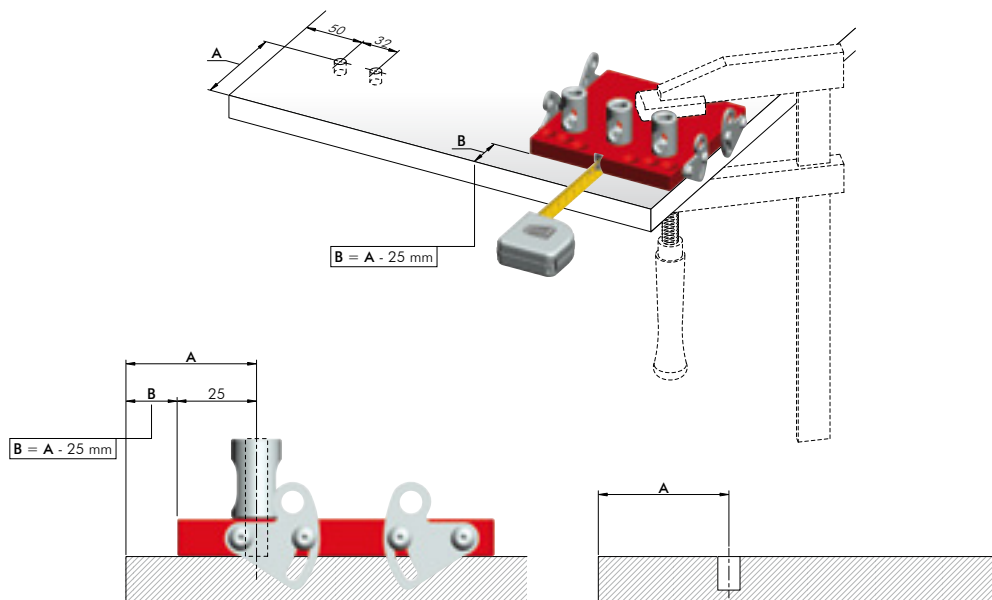
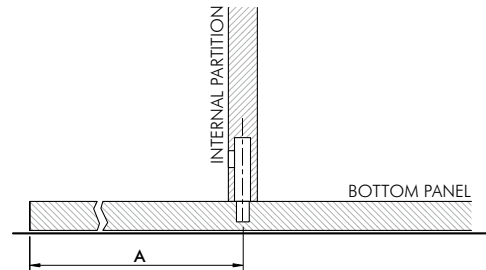
REMOVAL OF THE LOWER PART



SIDE PANEL DRILLING ACCORDING TO BOTTOM AND TOP POSITIONING



BOTTOM AND TOP DRILLING PANELS FOR INTERNAL PARTITION



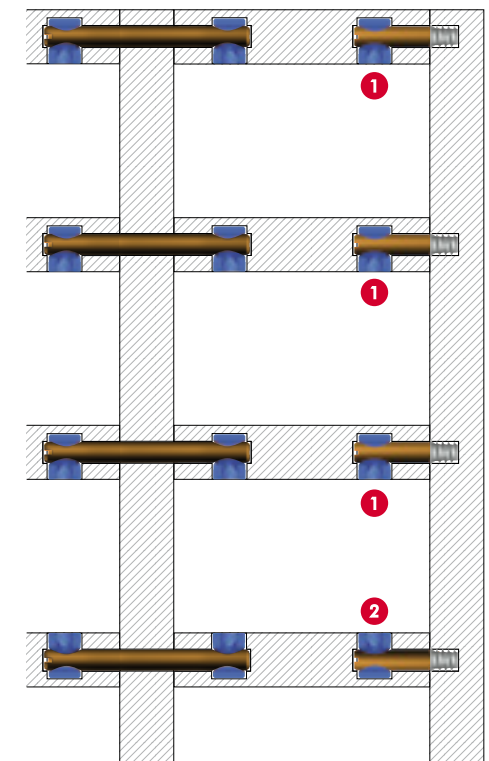
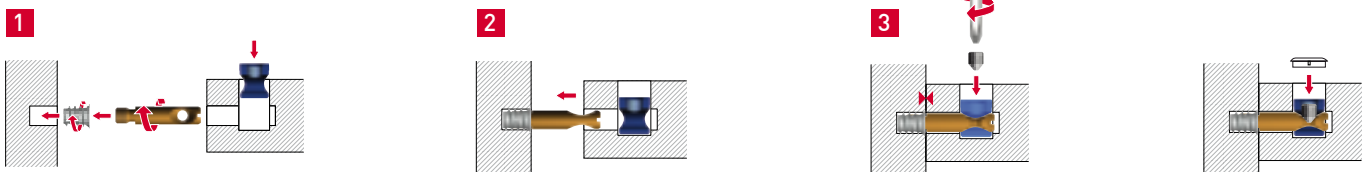


For further information: www.italianaferramenta.com > CATALOGUE > CONNECTINGS

- ▶ 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 12 mm thick panel minimum.
- ▶ 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 an ideally strong structural fastening.
- ▶ A plastic cover cap can be used to conceal the housing on the panel.
- ▶ Zinc alloy, steel.

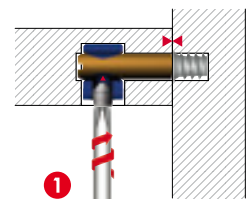


INSTALLATION

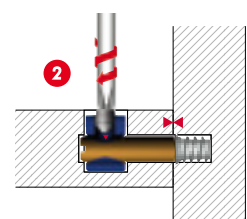


STRUCTURAL FASTENING with blade 1x5,5 or cross PZZ screwdriver:

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

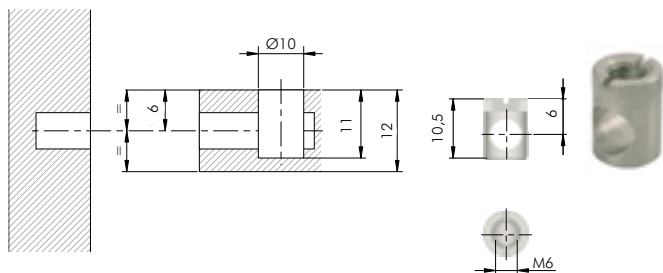


From the upper side, for the furniture
floor.



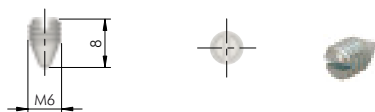
CROSS DOWEL FOR PANEL 12 mm THICK MINIMUM

Steel zinc-plated



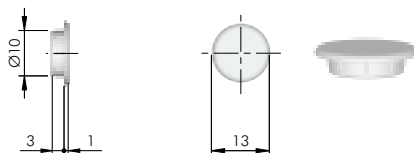
METRIC INSERT

Steel zinc-plated



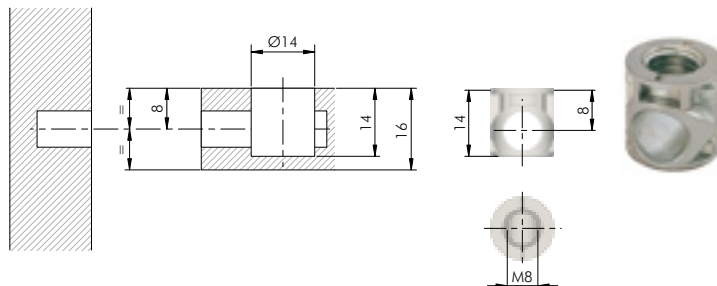
COVER CAP

Plastic white



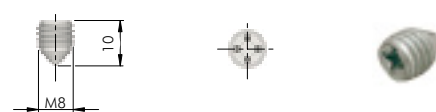
CROSS DOWEL FOR PANEL 16 mm THICK MINIMUM

Zinc alloy zinc-plated



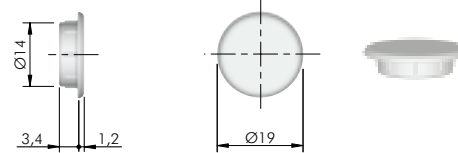
METRIC INSERT

Zinc alloy zinc-plated



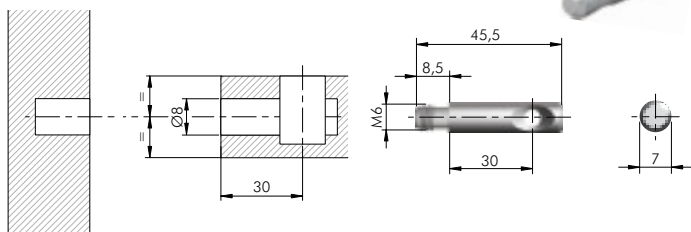
COVER CAP

Plastic white



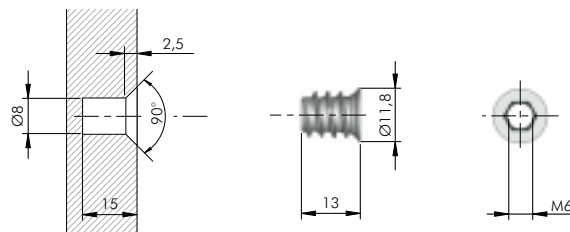
DOWEL M6

Steel zinc-plated



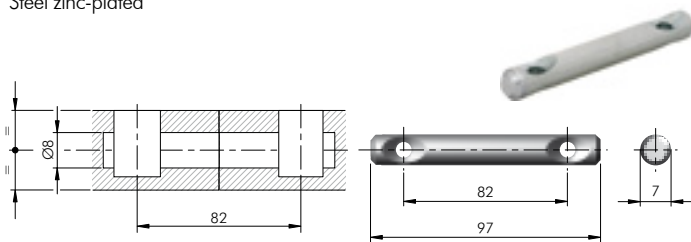
INSERT NUT M6 x 13 mm

Raw zinc-alloy



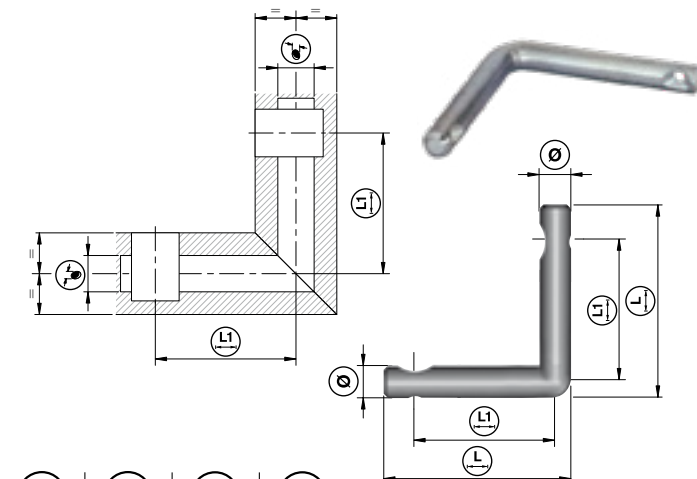
DOUBLE END DOWEL

Steel zinc-plated



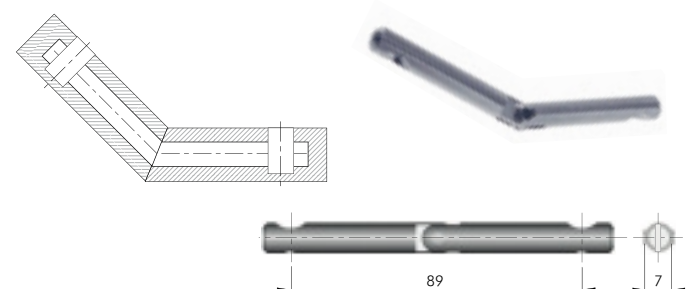
90° DOUBLE END DOWEL

Steel zinc-plated



PIVOTING DOUBLE END DOWEL

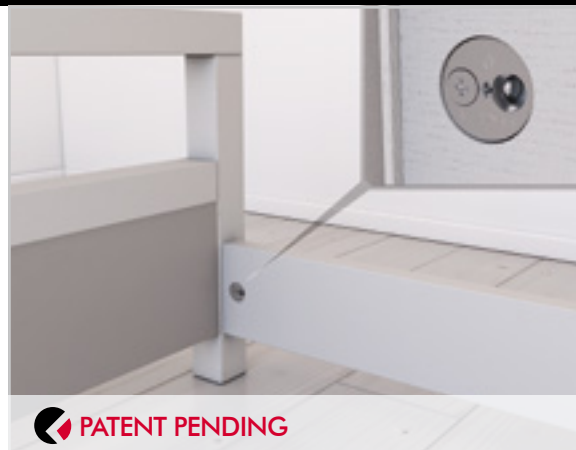
Steel zinc-plated



L	L1	Ø	Ø
39	31	8	7
75	64	9	8

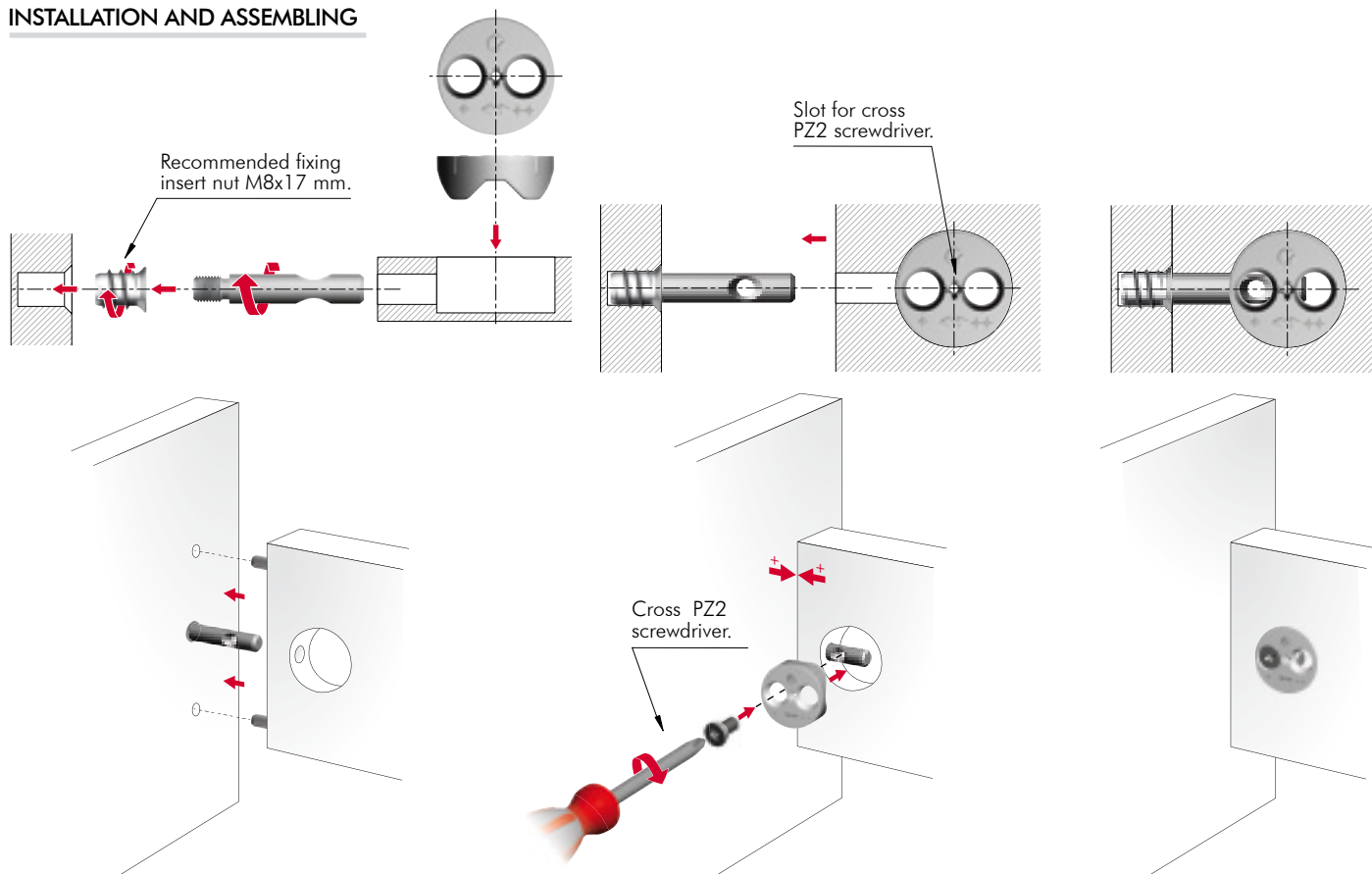


- ▶ VIS is the new concept in connecting fittings, designed to achieve practical and strong assembling and especially conceived to join bed sides and panels.
- ▶ It can be mounted on relatively thin panels, with a minimum thickness of 18 mm; for panels with a minimum thickness of 25mm it is possible 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.



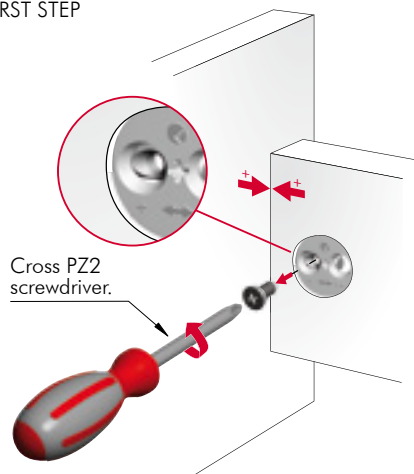
PATENT PENDING

INSTALLATION AND ASSEMBLING

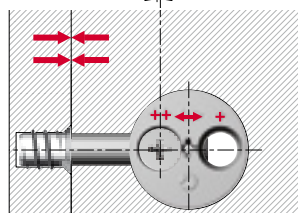
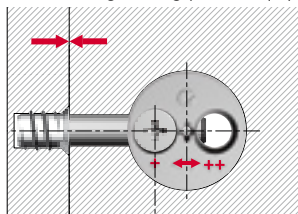


FROM + (minimum) TO ++ (maximum) TIGHTENING

FIRST STEP

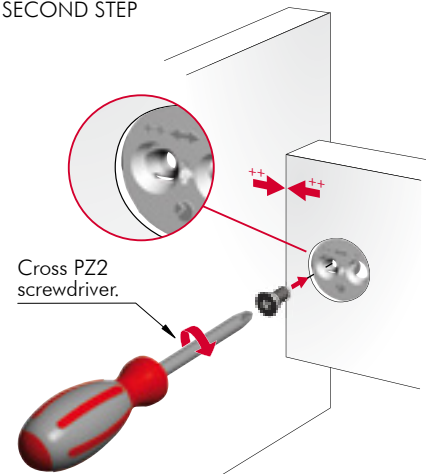


Minimum tightening position (+)

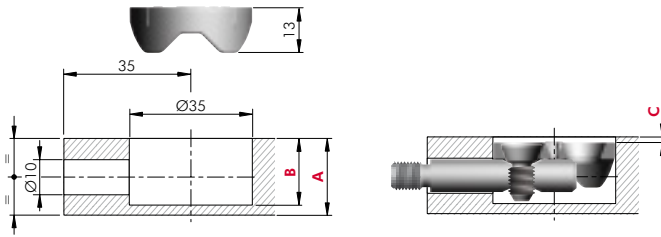


Maximum tightening position (++) = + 1,2 mm

SECOND STEP



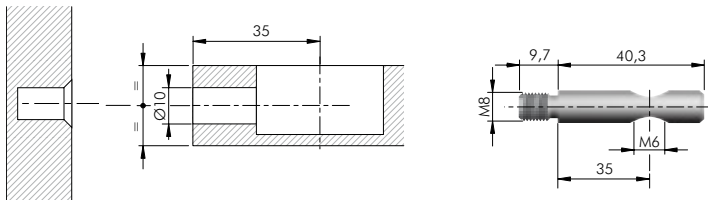
ITEM 248 | VIS Ø 35 mm FOR PANEL 18 mm THICK MINIMUM
 FINISH | ZINC ALLOY ZINC-PLATED | RIH1990



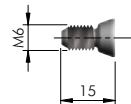
A	B	C
18	15,5	0
19	16,5	0,3
20	17,5	0,8
22	19	1,8
25	20,5	3,3
30	23	5,8



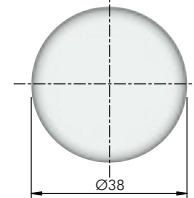
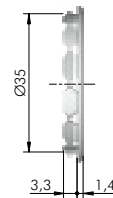
ITEM 249 | DOWEL M8
 FINISH | STEEL ZINC-PLATED | RIH1991



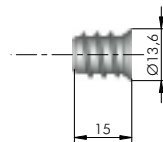
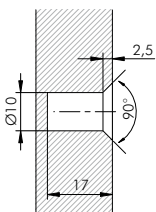
ITEM 250 | GRUB SCREW M6 x 15 mm
 FINISH | STEEL ZINC-PLATED | RIH1992



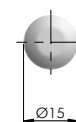
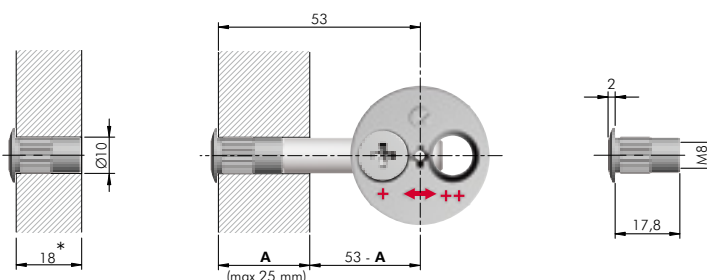
ITEM 312 | COVER CAP Ø 35 mm
 COLOUR | PLASTIC BROWN | RIH2167
 BLACK | RIH2168
 WHITE | RIH2169
 GREY | RIH2170



ITEM 251 | INSERT NUT M8 x 15 mm
 FINISH | RAW ZINC ALLOY | RIH1993



ITEM 316 | SLEEVE M8 FOR THROUGH HOLE PANEL
 FINISH | STEEL NICKEL-PLATED | RIH2171

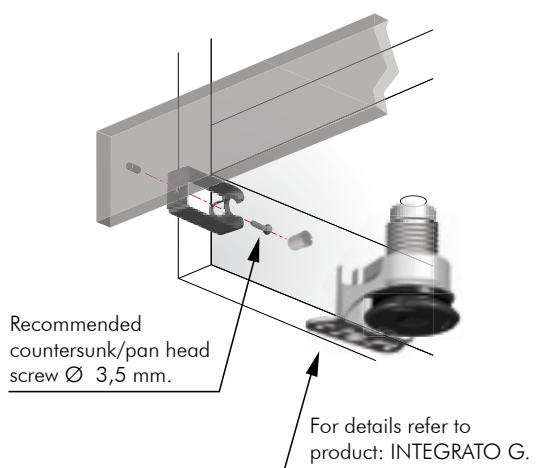


* For Headboard/Footboard thickness other than 18 mm, the drilling plan for VIS has to be modified according to the drawing above.

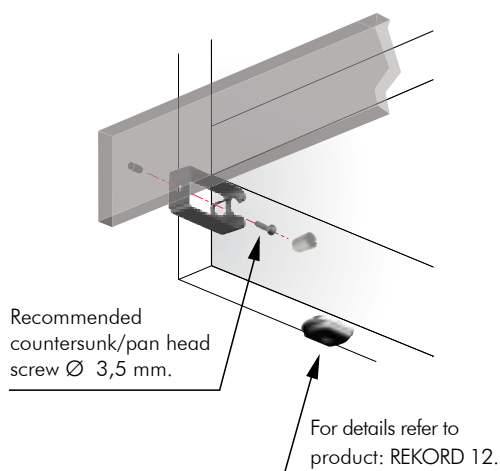


- ▶ Consists of:
 - Harmonic steel clip to be fixed to the plinth with a screw.
 - Steel dowel \varnothing 10 mm with \varnothing 5 mm wood thread screwed onto the side panel.
- ▶ Plinth clip is horizontally pressed and clicks onto the steel dowel.
- ▶ Extremely fast and stable installation.

INSTALLATION IN COMBINATION WITH INTEGRATO G



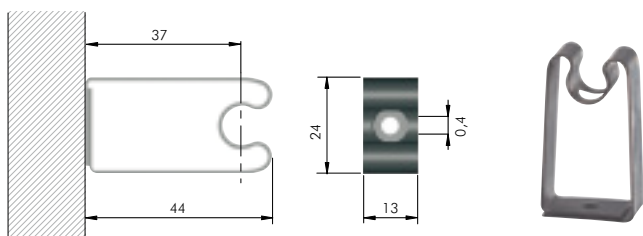
INSTALLATION IN COMBINATION WITH REKORD 12



PLINTH CLIP

Harmonic steel

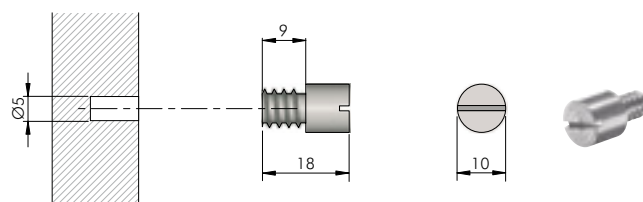
On demand



EURO DOWEL FOR PLINTH CLIP

Steel zinc plated

On demand



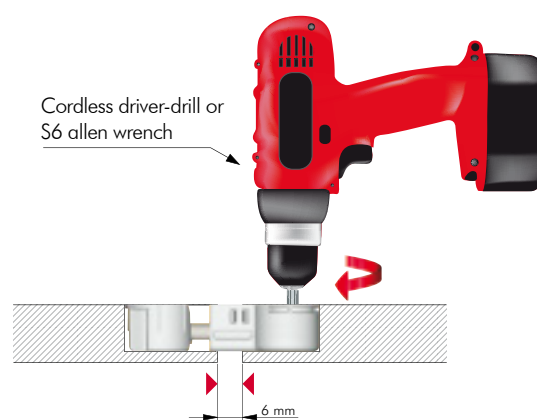
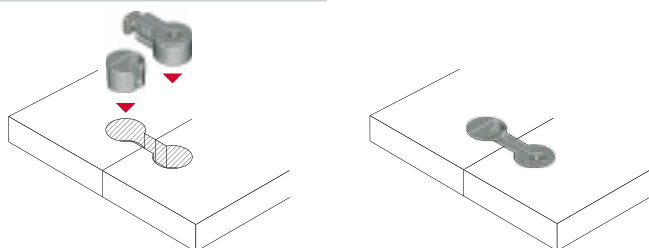


For further information: www.italianaferramenta.com > CATALOGUE > WORKTOP CONNECTORS

- ▶ 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 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.



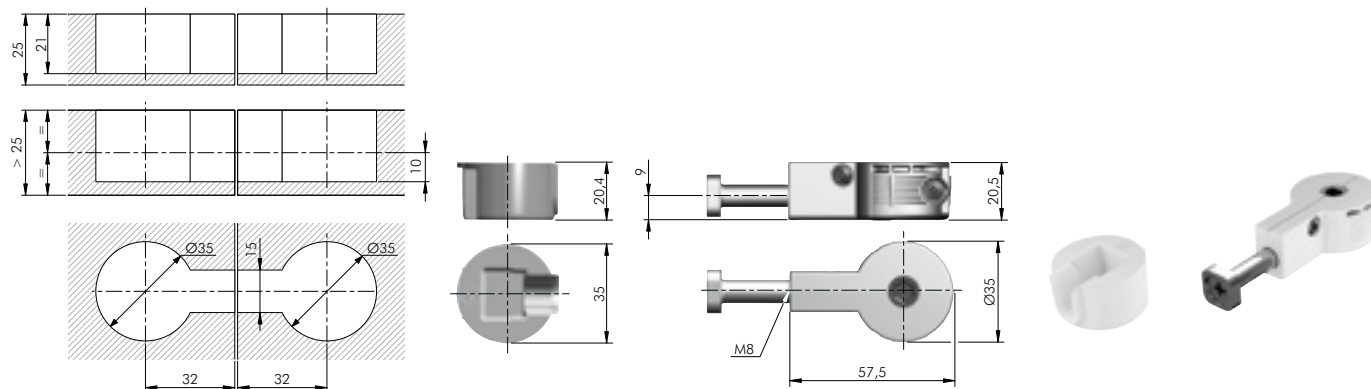
INSTALLATION AND CONNECTION



QUICK Ø 35 L. 64 mm

Steel, plastic light grey and zinc alloy

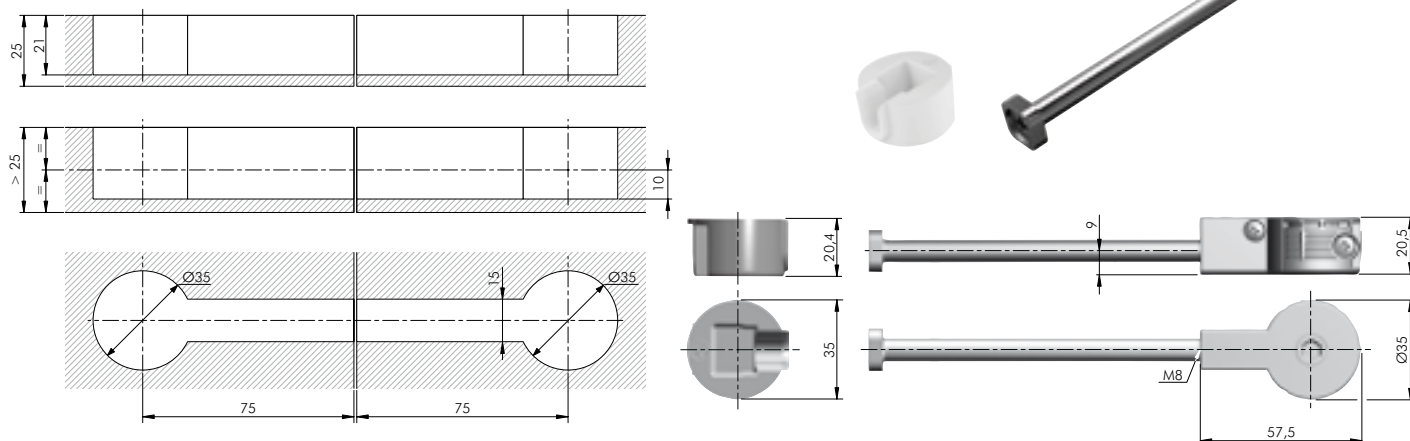
On demand



QUICK Ø 35 L. 150 mm

Steel, plastic light grey and zinc alloy

On demand





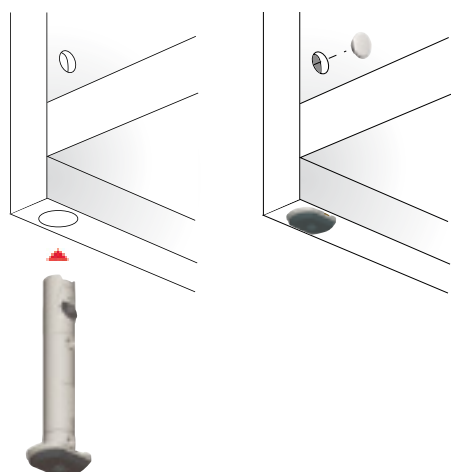
For further information: www.italianaferramenta.com > CATALOGUE > LEVELLERS

- ▶ 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 $\varnothing 12$ mm hole.
- ▶ Adjustment to be carried out through a worm gear operated from inside the furniture through a $\varnothing 8$ 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.

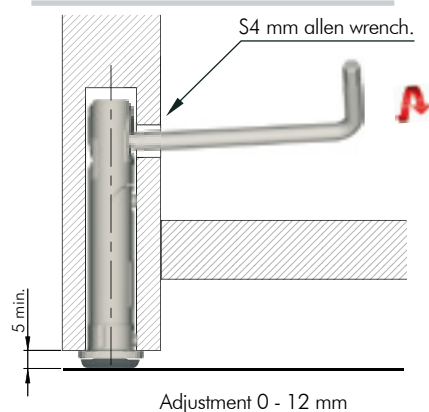


PAT.PENDING

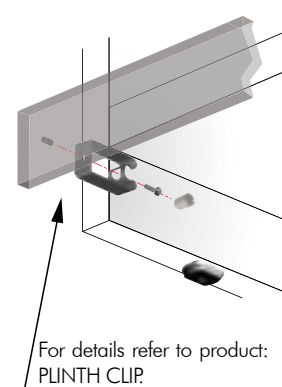
INSTALLATION



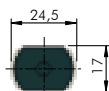
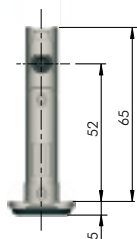
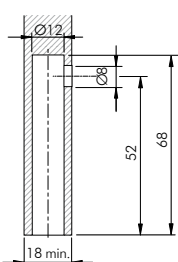
ADJUSTMENT



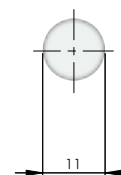
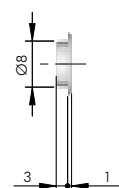
PLINTH CLIP



ITEM 225 | **REKORD 12 H 52 mm**
FINISH | RAW ZINC ALLOY, STEEL AND PLASTIC GREY | RIH1975



ITEM 135 | **COVER CAP $\varnothing 8$ mm**
COLOUR | PLASTIC WHITE | RIH2077

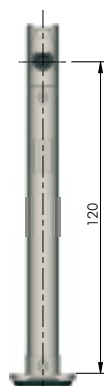


OTHER VERSIONS

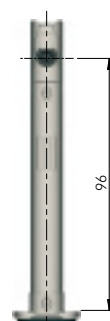
Raw zinc alloy, steel and plastic grey

On demand

For further info contact the office.



H 120 mm



H 96 mm

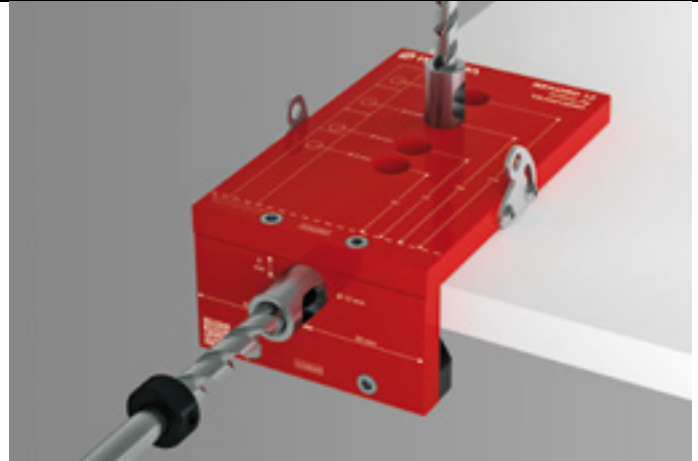
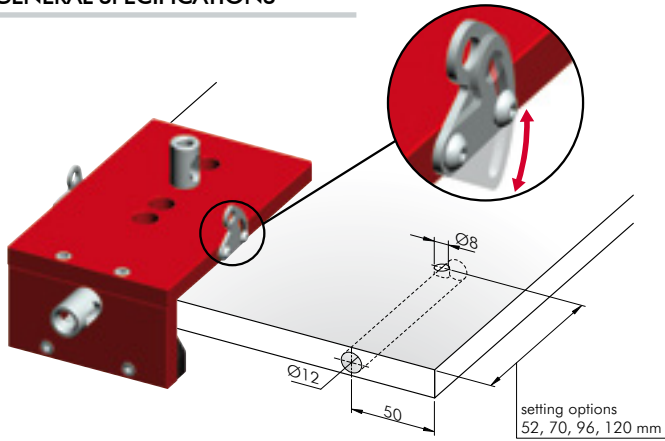


H 70 mm

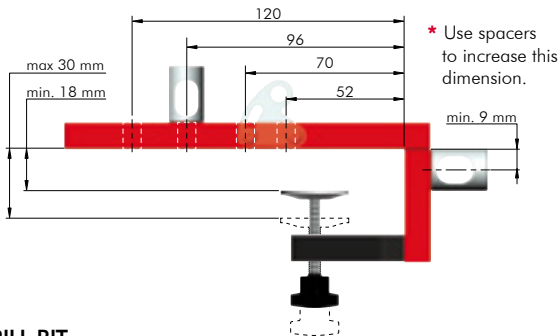
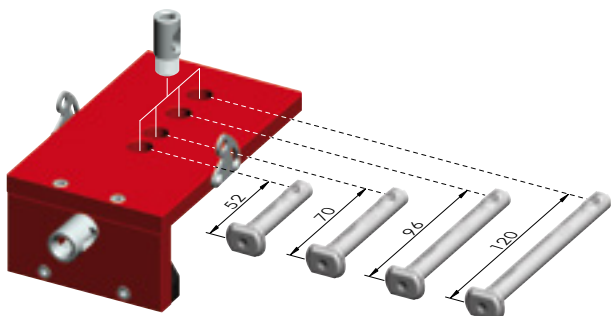


For further information: www.italianaferramenta.com > CATALOGUE > DRILLING JIGS

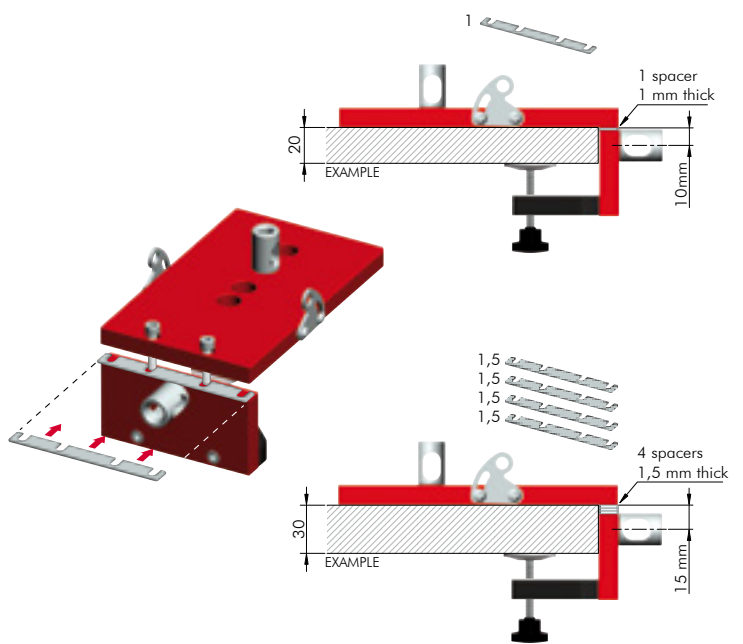
GENERAL SPECIFICATIONS



APPLICATION OPTIONS



DRILLING SPACERS FOR OTHER PANEL THICKNESSES

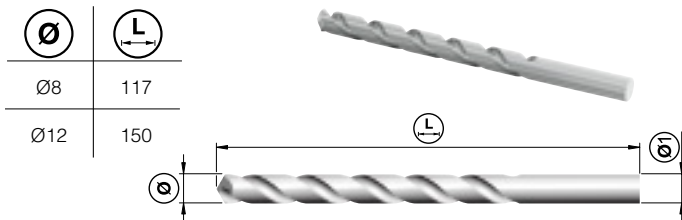


DRILL BIT

High speed steel.

⊗ On demand

• For drilling jig we recommend this type of drill bit.



ITEM 1588 | STOP COLLAR
FINISH | STEEL

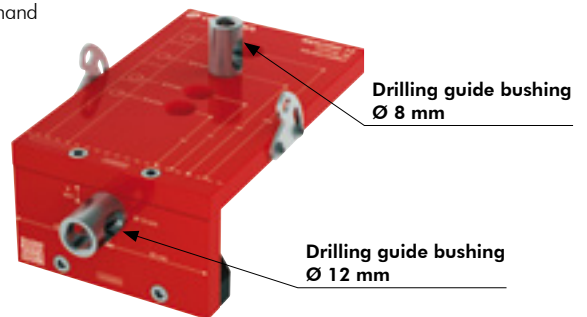
RIH1844	Ø8
RIH1848	Ø12



REKORD 12 DRILLING JIG FOR PANEL THICKNESS 18 MM

Aluminium, steel and plastic.

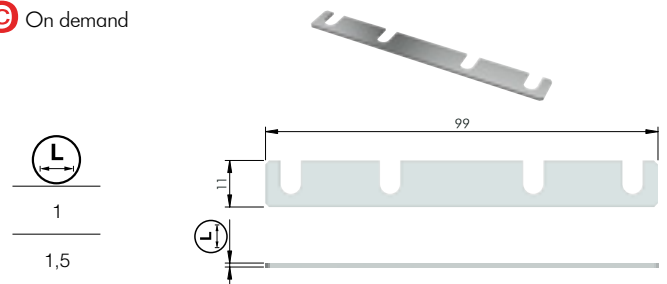
⊗ On demand



SPACERS FOR REKORD 12 DRILLING JIG

Aluminium.

⊗ On demand



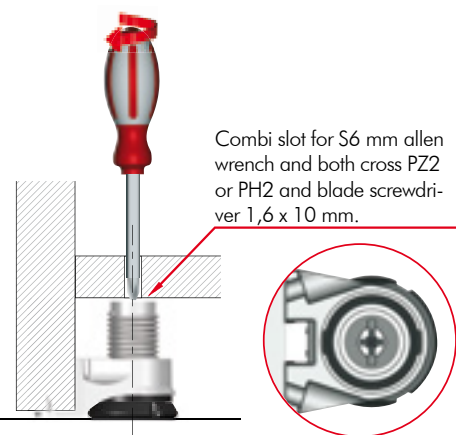
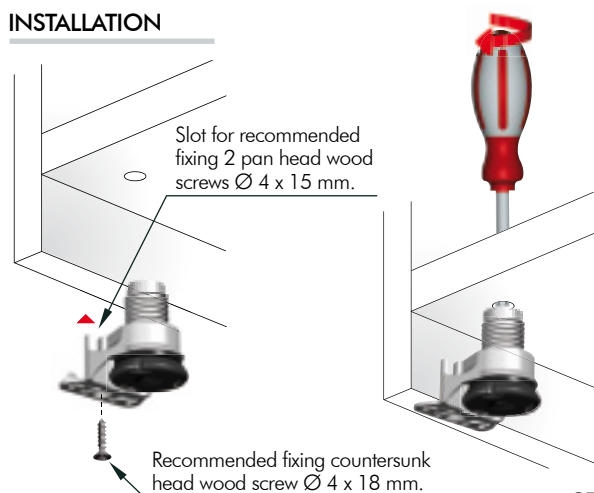


For further information: www.italianaferramenta.com > CATALOGUE > LEVELLERS

- ▶ Suitable to align heavy duty wardrobes, bookcases and modular furniture.
- ▶ To be installed onto the bottom edge of the side carcass, 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.



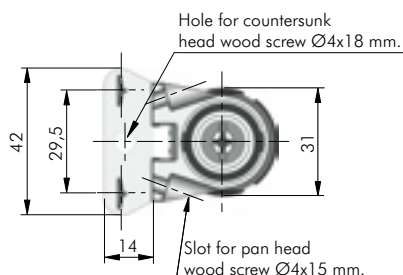
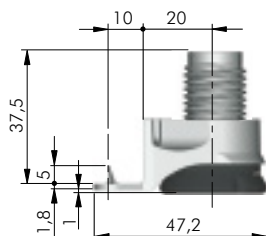
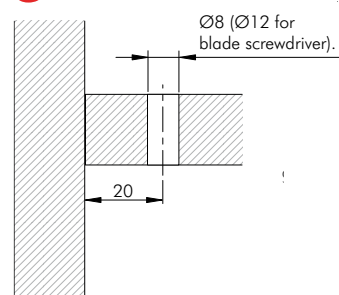
INSTALLATION



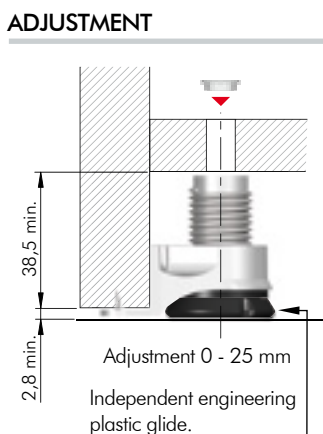
INTEGRATO G

Raw zinc alloy and plastic black

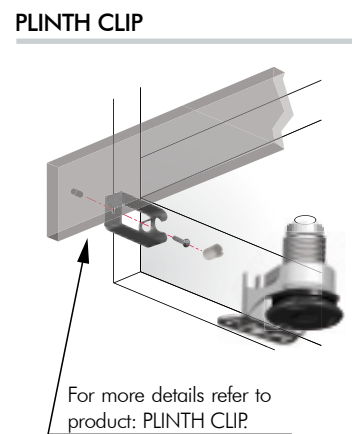
On demand



ADJUSTMENT



PLINTH CLIP



OTHER VERSIONS

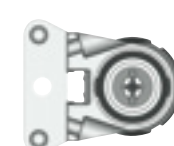
On demand



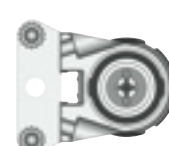
A - Screw fix



C - 1 pin $\varnothing 5$ mm



D - 2 pin $\varnothing 5$ mm

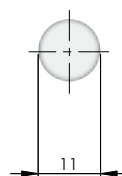
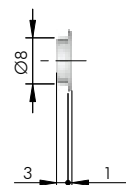


E - 2 pin $\varnothing 8$ mm

For further info contact the office.

ITEM 135 | COVER CAP $\varnothing 8$ mm

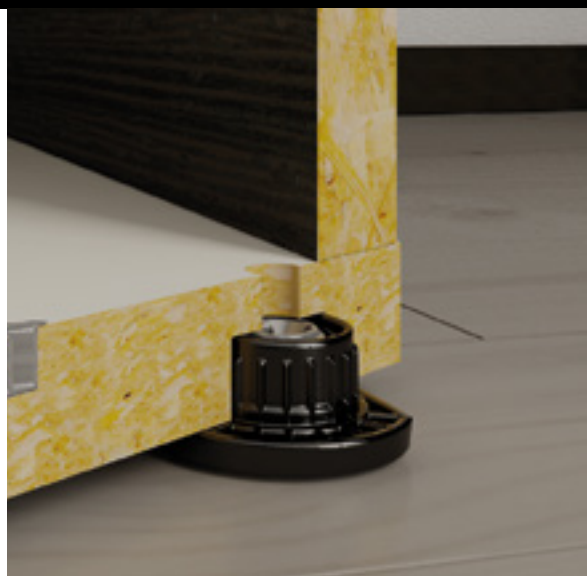
COLOUR | PLASTIC WHITE | RIH2077



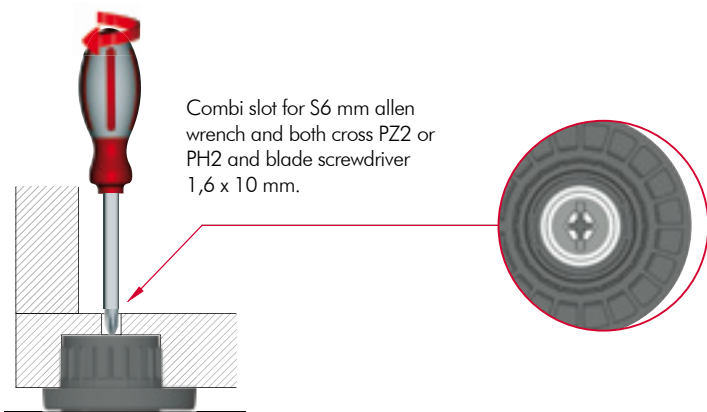
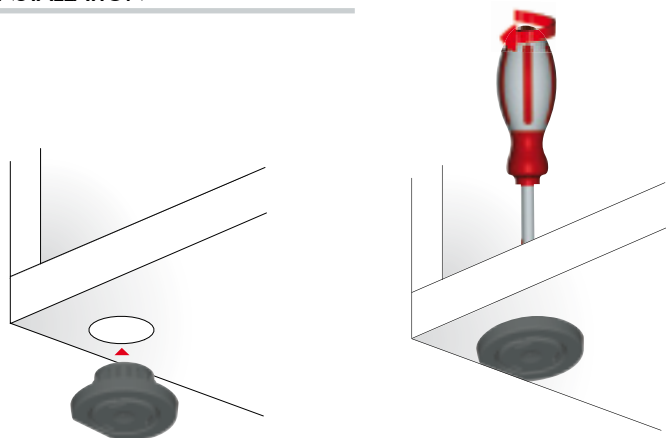


For further information: www.italianaferramenta.com > CATALOGUE > LEVELLERS

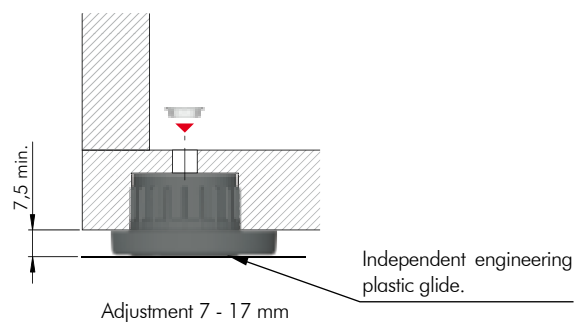
- ▶ Suitable to align heavy duty wardrobes, bookcases and modular furniture.
- ▶ Conceived for units with weight-bearing bottoms.
- ▶ To be installed onto the bottom panel.
- ▶ Adjustment to be carried out through $\varnothing 8$ mm hole in the furniture bottom by using a S6 mm allen wrench or both cross 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: 7 - 17 mm.
- ▶ Capacity loading: 175 kilos each.
- ▶ Zinc alloy and plastic.
- ▶ Tested according to Italian CATAS INSTITUTE requirements.



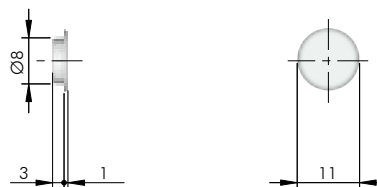
INSTALLATION



ADJUSTMENT



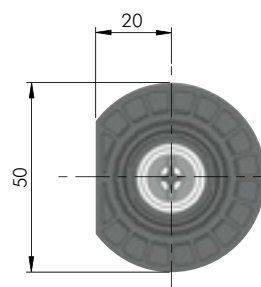
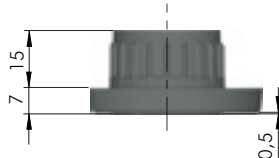
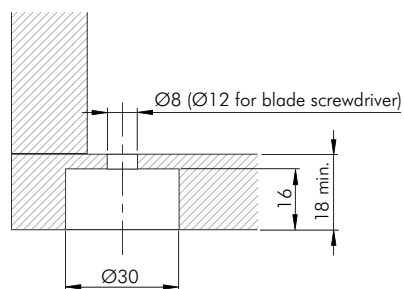
ITEM 135 | COVER CAP $\varnothing 8$ mm
COLOUR | PLASTIC WHITE | RIH2077



INTEGRATO Z

Raw zinc alloy and plastic black

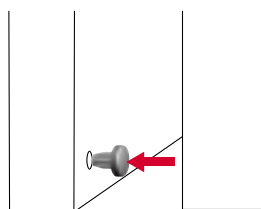
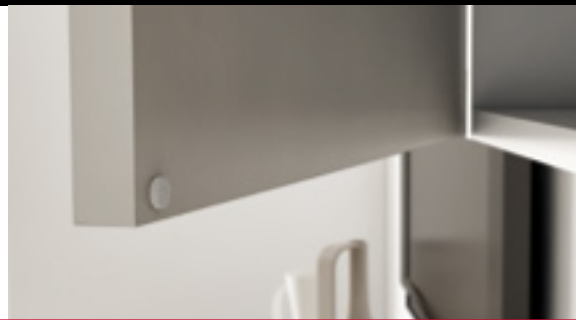
On demand



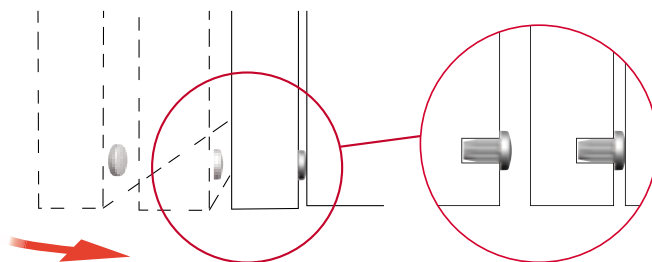


For further information: www.italianaferramenta.com > CATALOGUE > DOOR BUFFERS AND COVER CAPS

- ▶ 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.

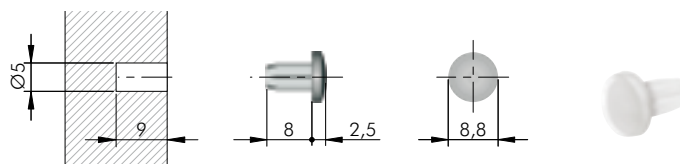


The stiff part allows an easy and safe placing on the hole side, both manual and by an automatic machine.



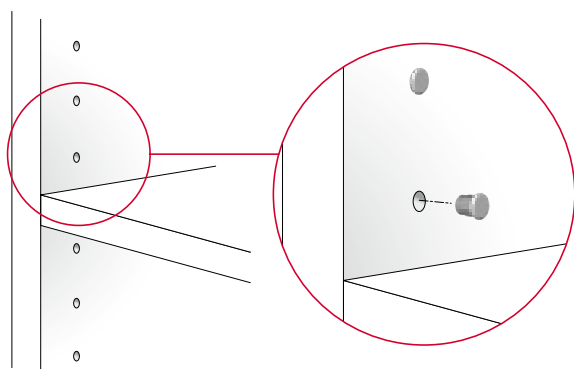
When the door closes, the impact of the door is sensibly absorbed by outer tender bumper.

ITEM 253 | **BI-MATERIAL $\varnothing 5$ mm**
FINISH | STIFF AND SOFT CLEAR RUBBER | RIH1994

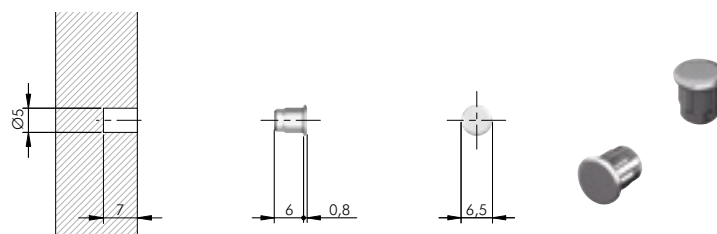


For further information: www.italianaferramenta.com > CATALOGUE > DOOR BUFFERS AND COVER CAPS

- ▶ 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
Steel nickel-plated
On Demand





**LIBRA H1
SPIDER**



LIBRA H7



LIBRA H7 + CH



LIBRA H7



LIBRA H7 + ALU. BAR H 40,2



LIBRA H7 + ALU. BAR H 80,5



LIBRA BS



LIKU



CONCEALED HANGER



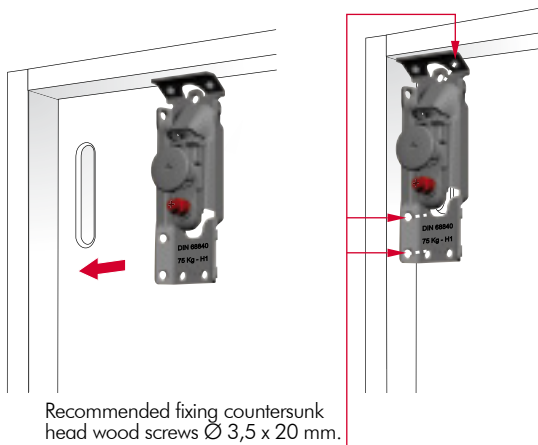
For further information: www.italianaferramenta.com > CATALOGUE > HANGERS

- ▶ 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.

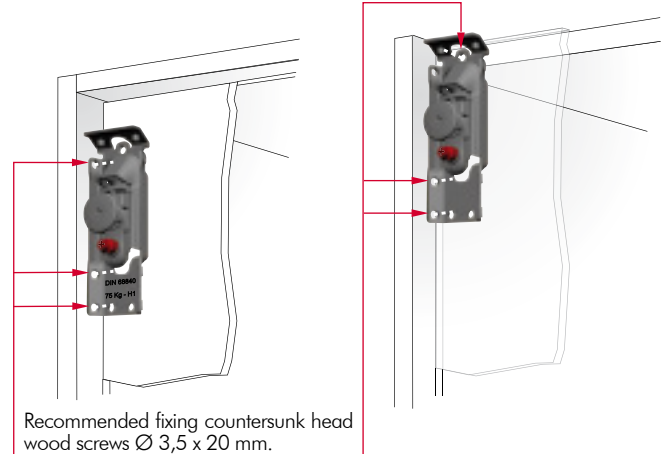


PATENTED

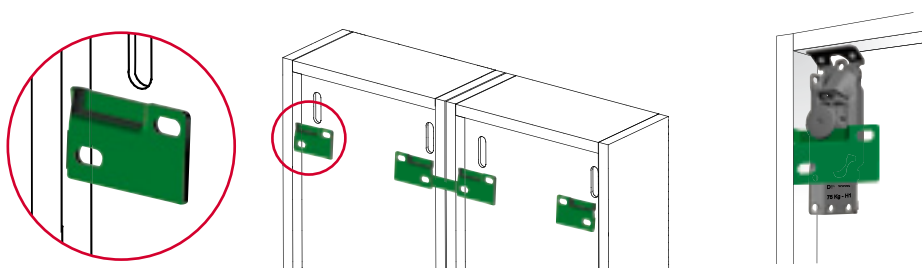
INSTALLATION UNDER THE CABINET TOP



ALTERNATIVE INSTALLATIONS

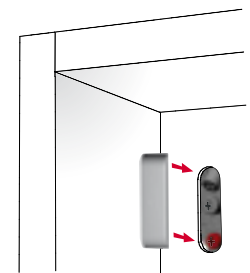


INSTALLATION ON THE WALL



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

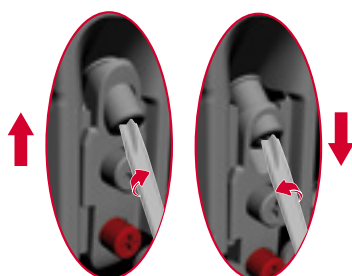
COVER CAP INSERTING



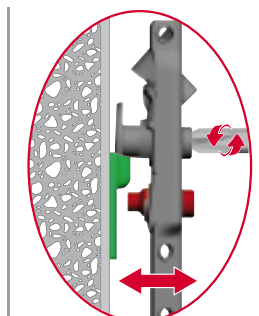
ADJUSTMENTS



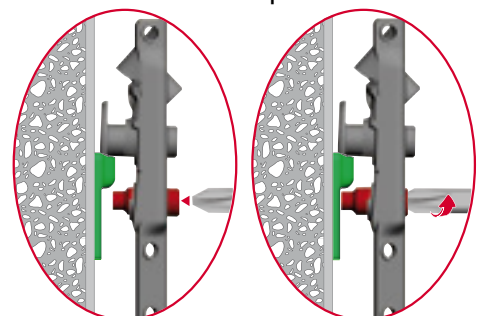
1- Vertical adjustment:
13 mm



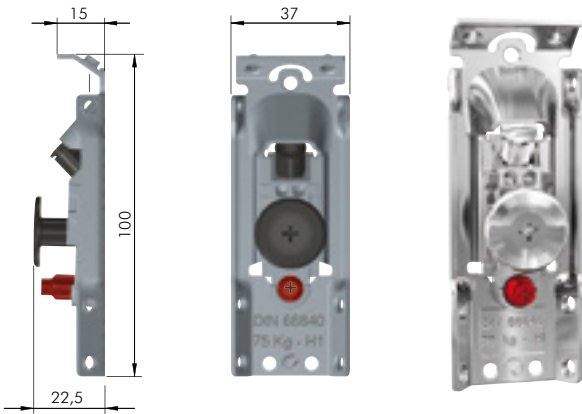
2- In-Depth adjustment:
12 mm



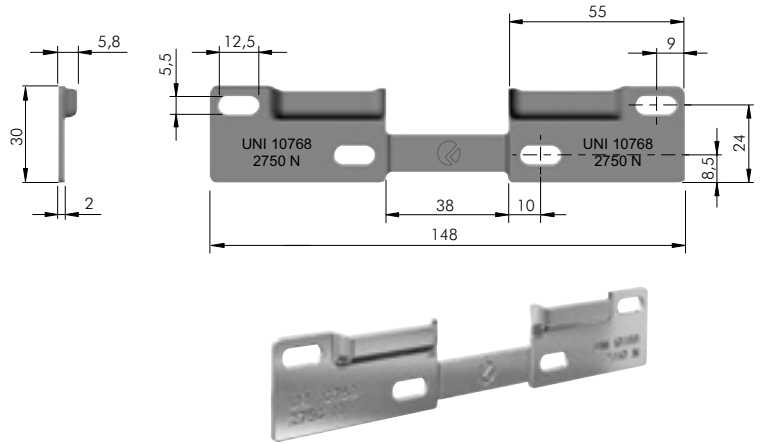
3- Anti-turnover locking
Stop screwing the red bolt when it touches the wall plate.



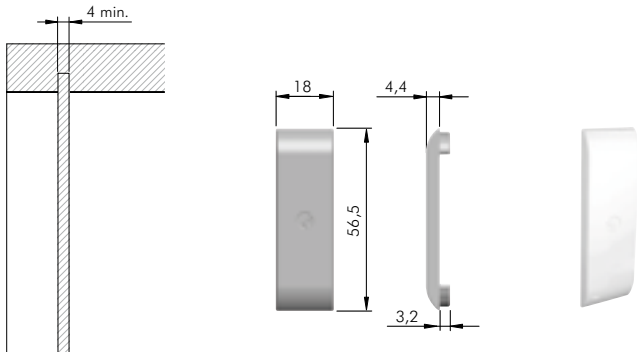
ITEM 228 | **LIBRA H1 SCREW FIXING**
 FINISH | STEEL AND ZINC ALLOY ZINC-PLATED | RIH1976



ITEM 229 | **WALL PLATE WP1**
 FINISH | STEEL ZINC-PLATED | RIH1977



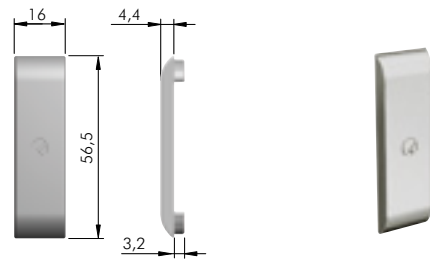
ITEM 232 | **OVAL COVER CAP CC1**
 COLOUR | PLASTIC WHITE | RIH1978



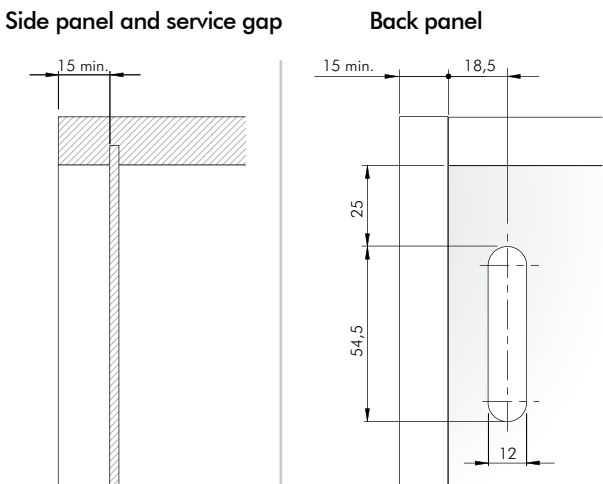
OVAL COVER CAP CC4

Zinc alloy nickel-plated

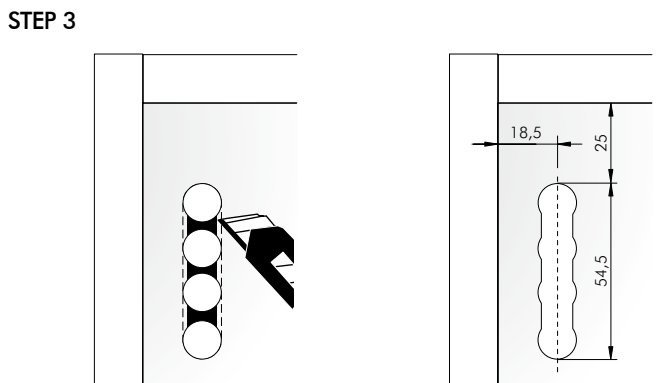
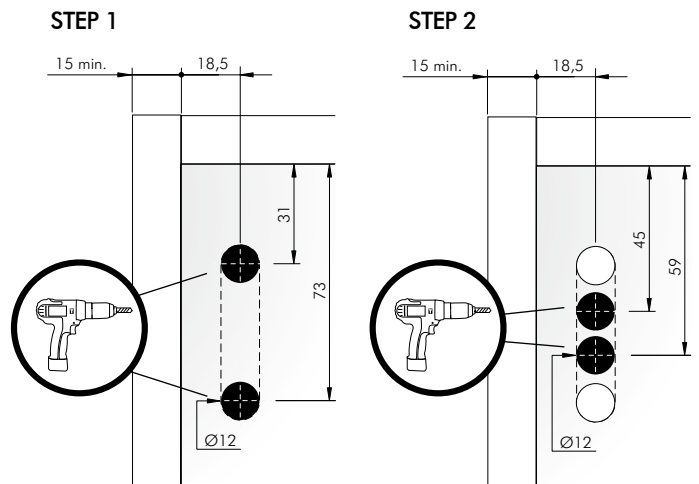
On demand



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



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





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

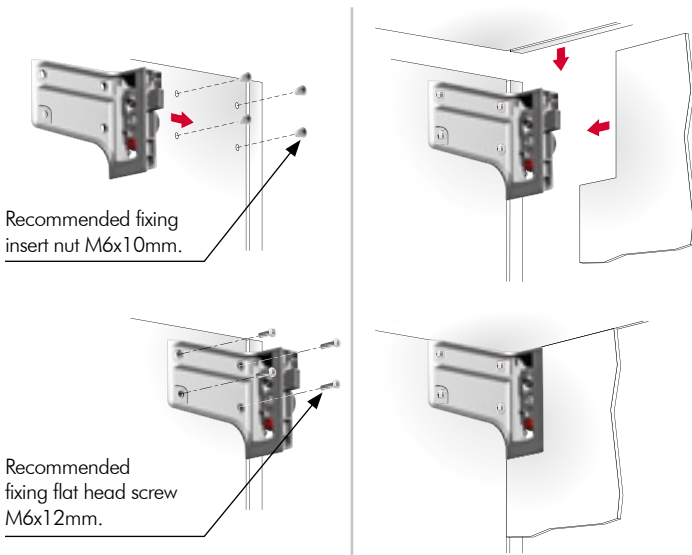
LIBRA H7 TO BE FIXED ON THE CABINET SIDE

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

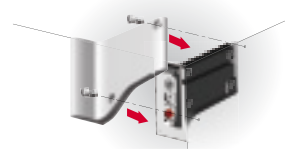


PATENTED

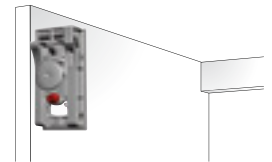
INSTALLATION



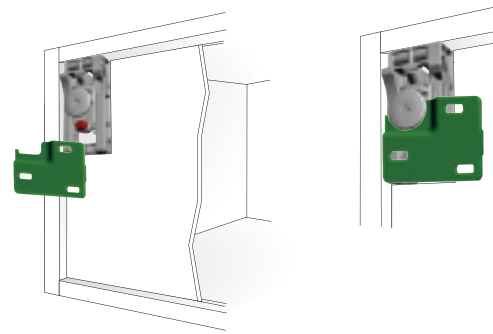
COVER CAP INSERTING



ALTERNATIVE APPLICATION WITHOUT TOP



INSTALLATION ON THE WALL



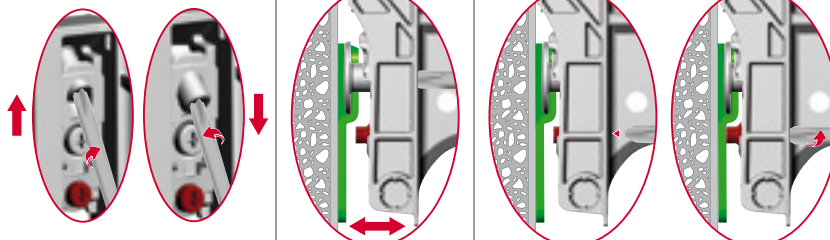
For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

ADJUSTMENTS

1- Vertical adjustment:
13 mm

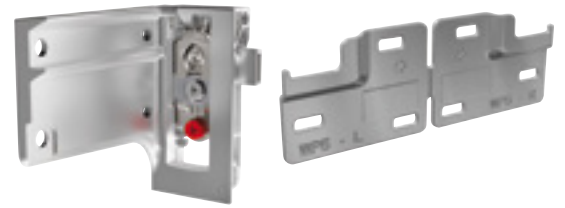
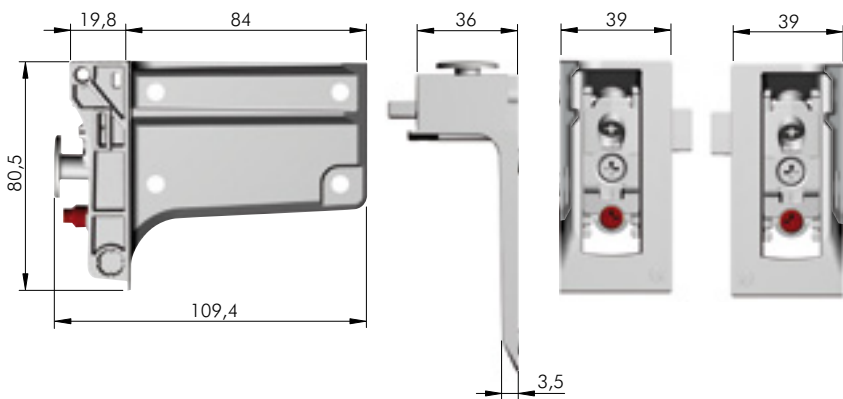
2- In-Depth adjustment:
12 mm

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



LIBRA H7 screw fixing with "peg joint"

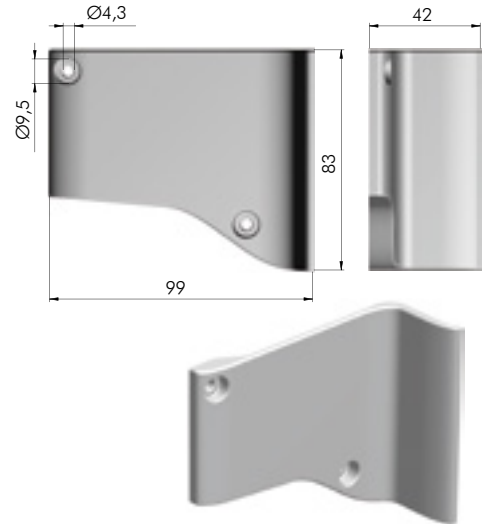
ITEM 241/242 | **LIBRA H7 SCREW FIXING WITH "PEG JOINT" FOR ALUMINIUM BAR**
 FINISH | ZINC ALLOY AND STEEL ZINC-PLATED RIGHT VERSION | RIH1983
 LEFT VERSION | RIH1984



LIBRA H7 COVER CAP

Plastic

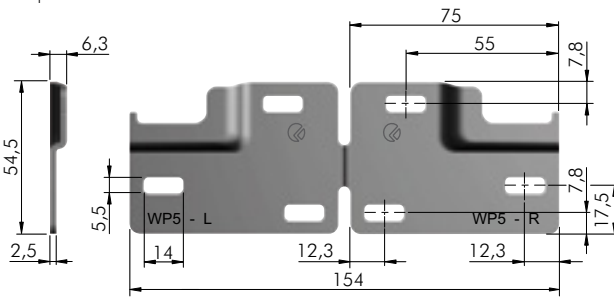
- On demand: - White
- Light grey
- Anthracite



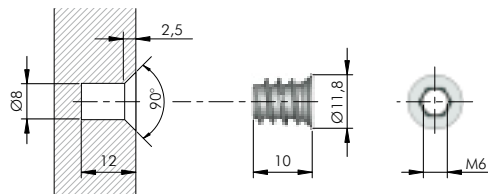
ITEM 247 | **WALL PLATE WP5**
 FINISH | STEEL ZINC-PLATED | RIH1989

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

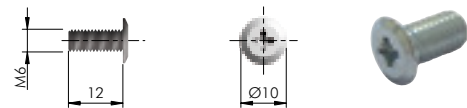
Stress resistance calculated in Newton according to normative UNI 10768: - 7750 N



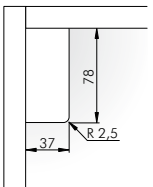
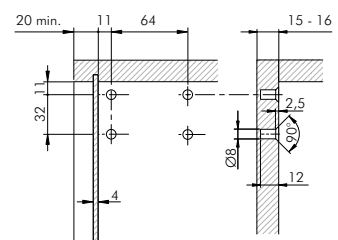
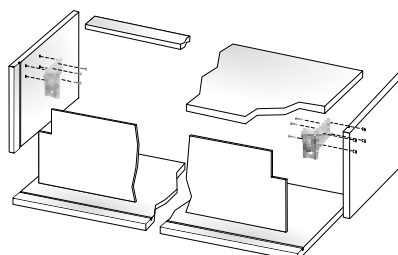
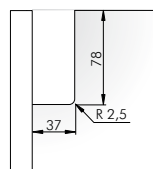
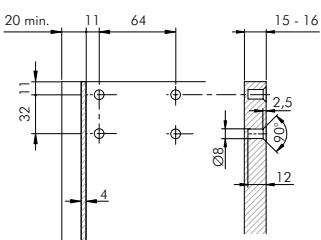
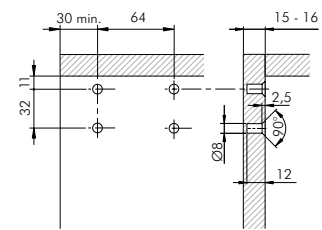
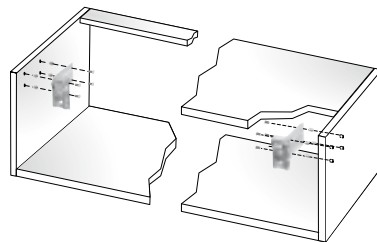
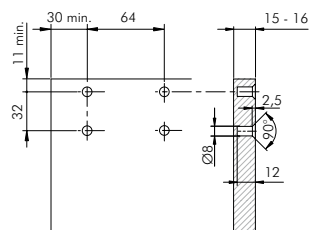
ITEM 242 | **INSERT NUT M6 X 10 mm**
 FINISH | RAW ZINC ALLOY | RIH1986



ITEM 241 | **FLAT HEAD SCREW M6 x 12 mm**
 FINISH | STEEL NICKEL-PLATED | RIH1985



APPLICATIONS AND DRILLING PLANS



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 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.

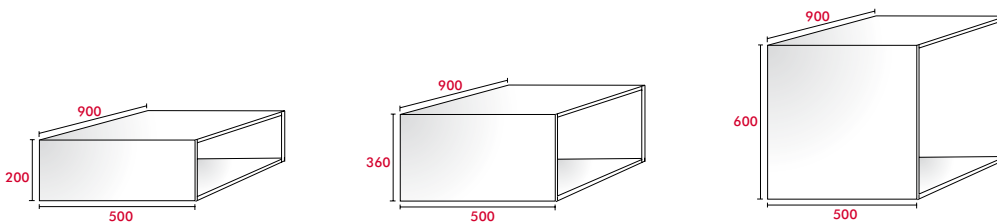
Other important factors to be taken into consideration are determined by:

- 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

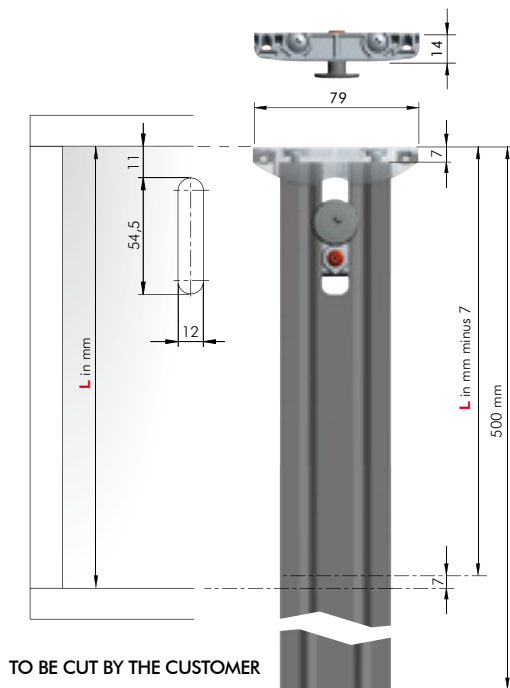
FURNITURE TYPE	CAPACITY LOADING	
	LIBRA H7	LIBRA H7 + 1 LIBRA CH
Cabinet	200 Kg	230 Kg
Cabinet + drawer	170 Kg + 30 Kg	170 Kg + 50 Kg

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)



ITEM 233 | **LIBRA CH L. 500 mm**
FINISH | ALUMINIUM, STEEL AND Z. ALLOY ZINC-PLATED | RIH1979

- To be cut by the customer
- Use with WP5 wall plate RIH1989

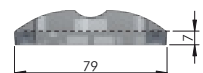
ITEM 247 | **LIBRA WP5**
FINISH | STEEL ZINC-PLATED | RIH1989

- For wall plate details refer to section LIBRA H7

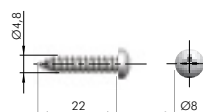
ITEM 232 | **OVAL COVER CAP CC1**
COLOUR | PLASTIC WHITE | RIH1978

- For cover cap details refer to section LIBRA H1

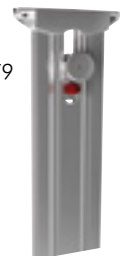
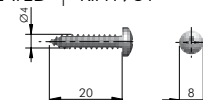
ITEM 256 | **LOWER END ELEMENT**
FINISH | ZINC ALLOY ZINC-PLATED | RIH1980



ITEM 240 | **SELF TAPPING PAN-HEAD SCREW FOR LOWER END ELEMENT Ø 4,8 X 22 mm**
FINISH | STEEL ZINC-PLATED | RIH1982

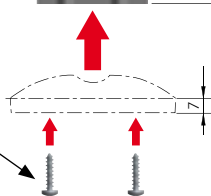


ITEM 257 | **PAN-HEAD WOOD SCREW Ø 4 X 20 mm**
FINISH | STEEL ZINC-PLATED | RIH1981



TO BE CUT BY THE CUSTOMER

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



LIBRA H7 AND LIBRA CH



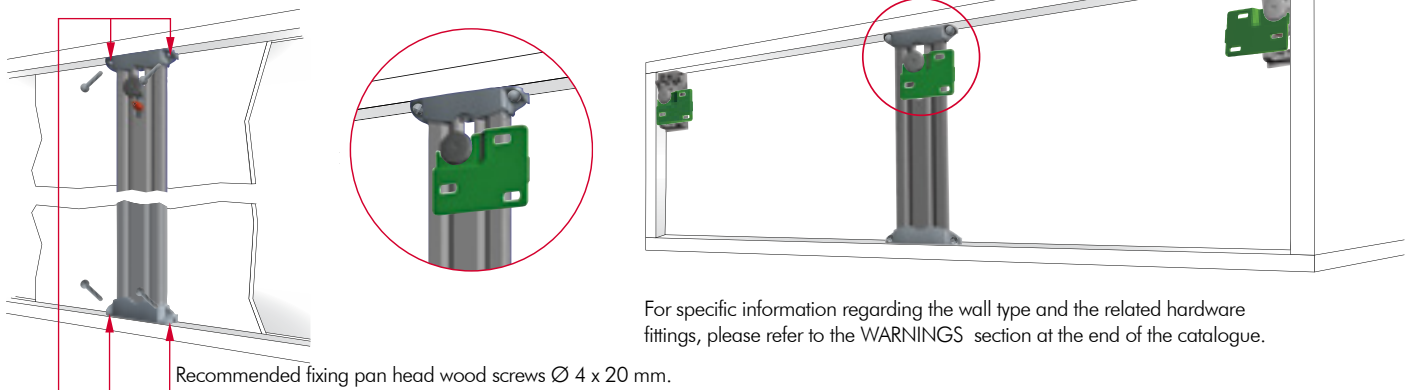
For further information: www.italianaferramenta.com > CATALOGUE > HANGERS

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.



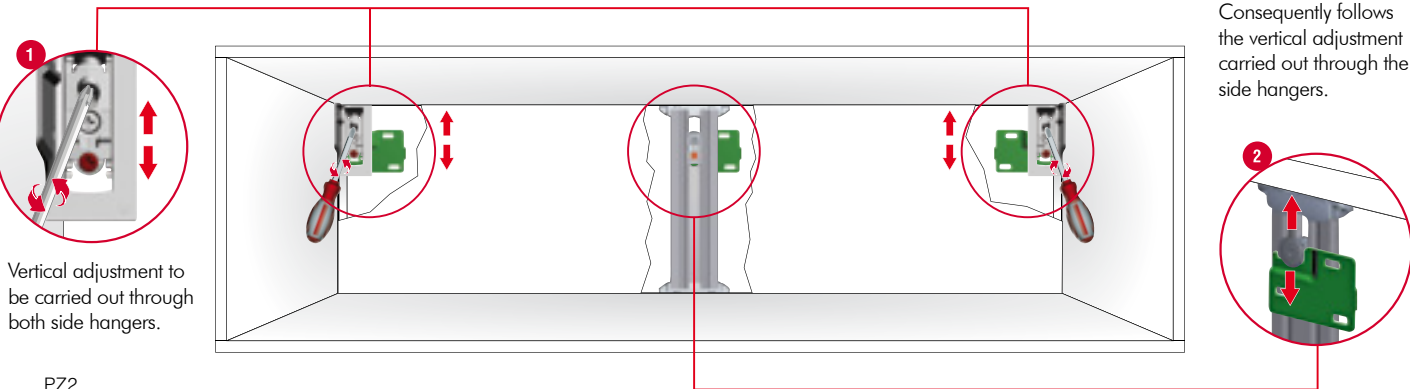
INSTALLATION



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

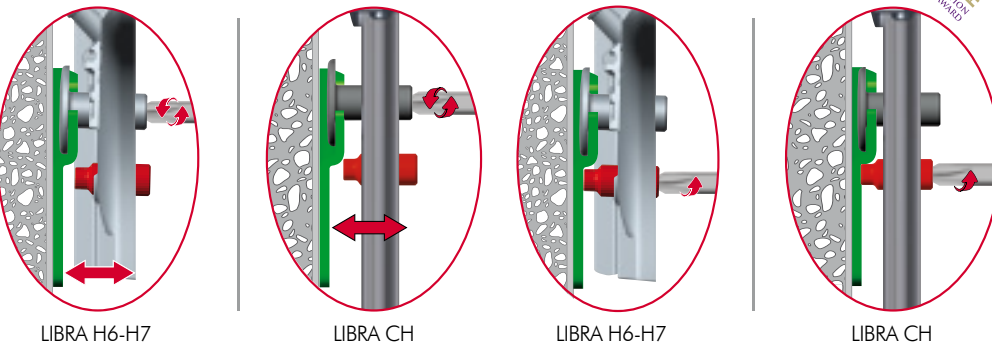


Vertical adjustment to be carried out through both side hangers.

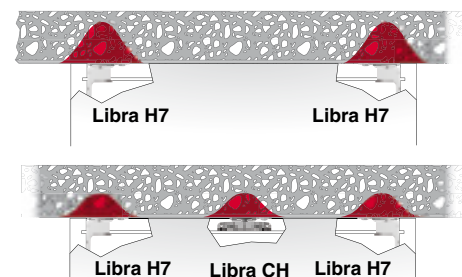


2- In-Depth adjustment:
12 mm

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 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.

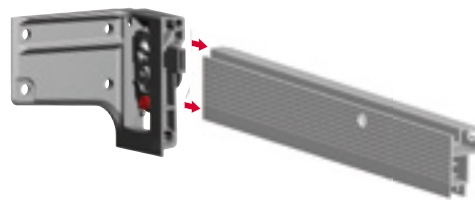
We always recommend to test a complete cabinet.

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

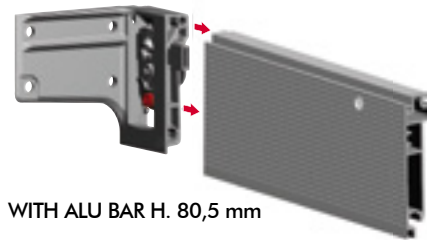
LIBRA H7 SCREW FIXING WITH "PEG JOINT"



LIBRA H7 SCREW FIXING WITH "PEG JOINT"

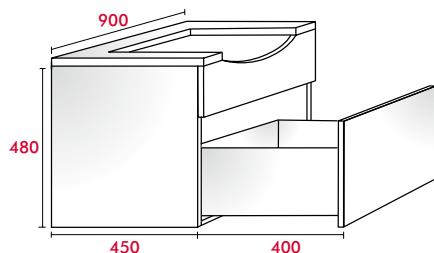
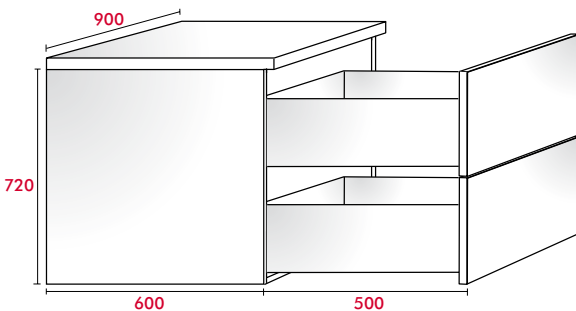
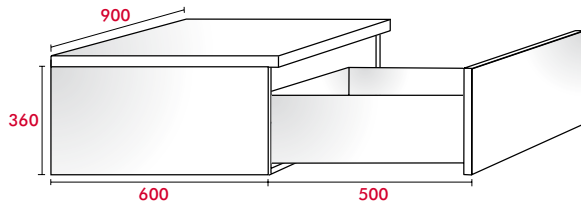
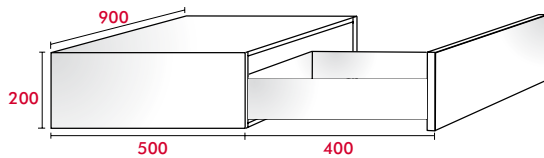


WITH ALU BAR H. 40,2 mm



WITH ALU BAR H. 80,5 mm

LIBRA WP5



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.

LIBRA H7 with "peg joint" for aluminium bar



LIBRA H7 with H. 40,2 aluminium bar.
Ideal for bathroom cabinets.



LIBRA H7 with H. 80,5 aluminium bar.
Ideal for kitchen cabinets.

LIBRA H7 screw fixing with "peg joint" for aluminium bar



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

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

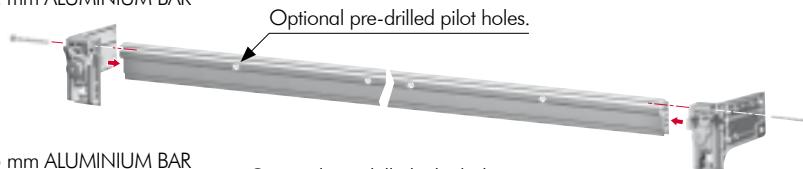
Recommended for bathroom unit with drawer/s.

Recommended for kitchen base cabinets.

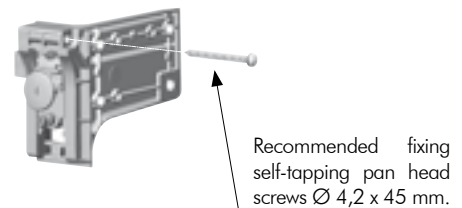
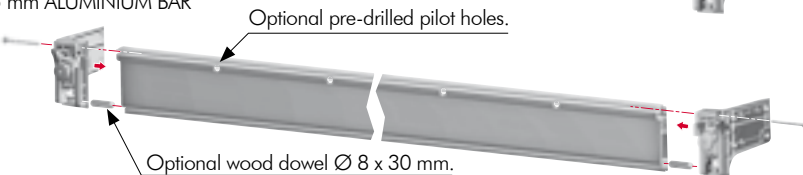


ASSEMBLING WITH:

H 40,2 mm ALUMINIUM BAR



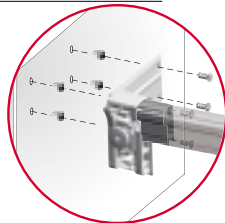
H 80,5 mm ALUMINIUM BAR



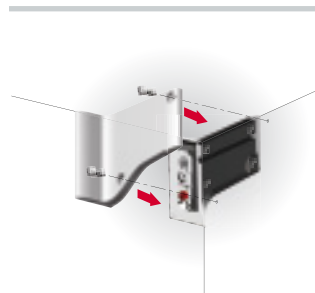
INSTALLATION

Recommended fixing:

- insert nuts M6 x 13 mm
- flat head screws M6 x 12 mm



COVER CAP INSERTING



■ = 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.



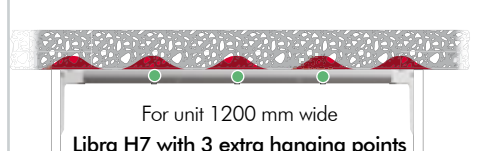
For unit 450 mm wide
Libra H7



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

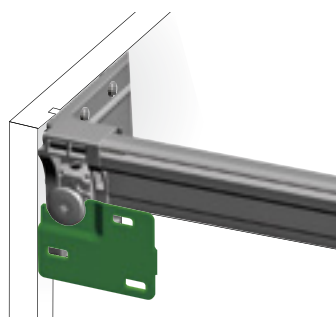


For unit 950 mm wide
Libra H7 with 2 extra hanging points

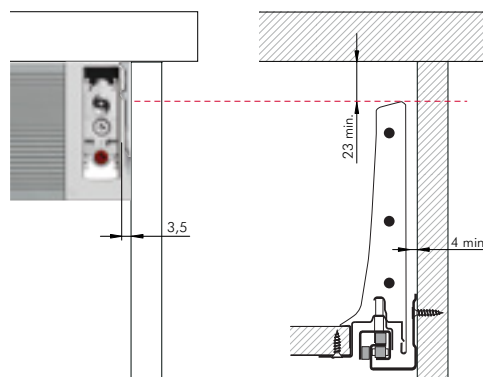


For unit 1200 mm wide
Libra H7 with 3 extra hanging points

INSTALLATION ON THE WALL

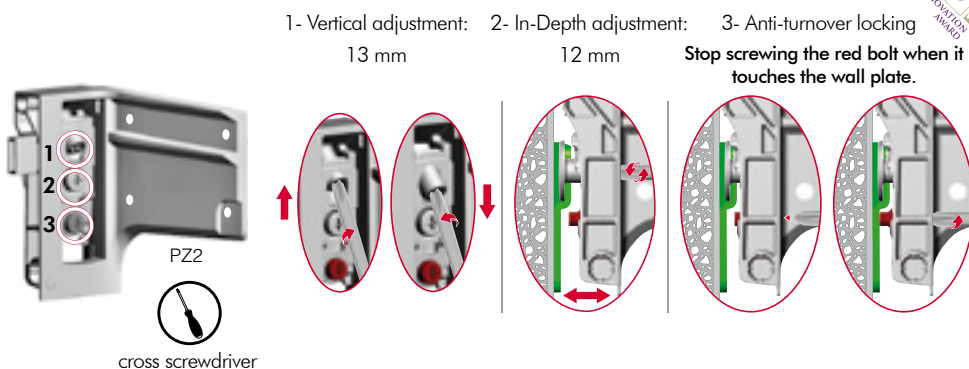


The hanging system is never interfering with the slides for drawers thanks to the slim side bracket wings.

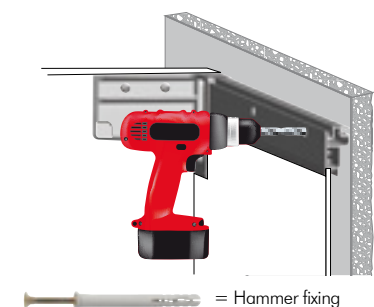


For specific information regarding the wall type and the related hardware fittings, please refer to the WARNING section at the end of the catalogue.

ADJUSTMENTS (STEP 1)



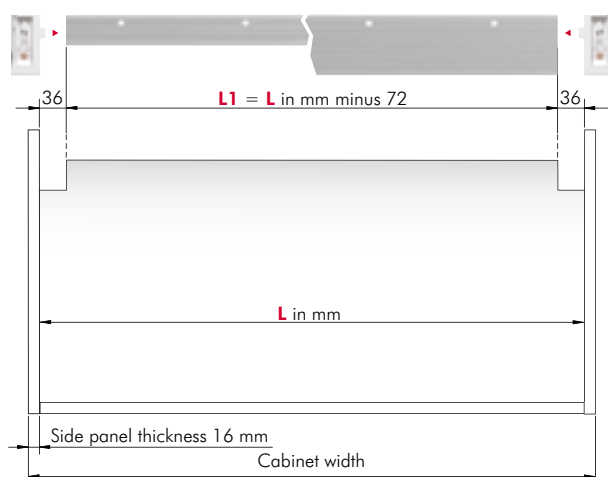
EXTRA HANGING POINTS (STEP 2)



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

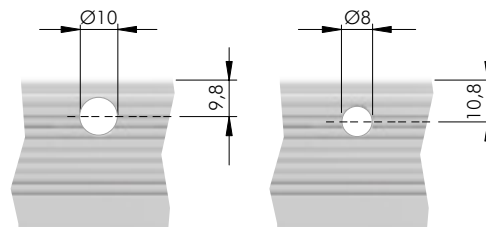
The following cutting patterns refer to cabinet 16 mm thick. For different cabinet thickness, please contact the office.



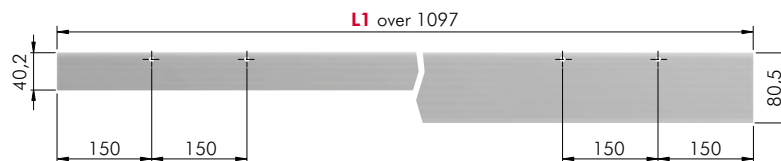
SUGGESTED COMBINATIONS:

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

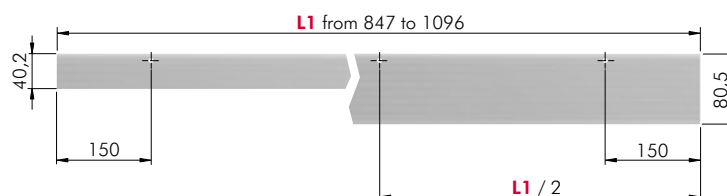
Optional drilling operation/s to be carried out by the customer.



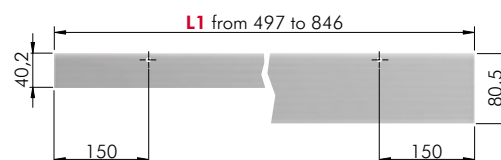
CABINET WIDTH OVER 1201



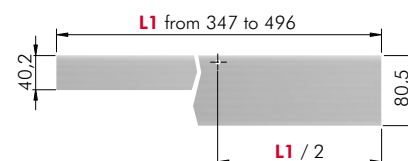
CABINET WIDTH FROM 951 TO 1200



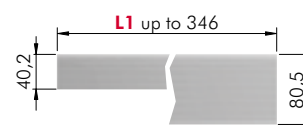
CABINET WIDTH FROM 601 TO 950



CABINET WIDTH FROM 451 TO 600

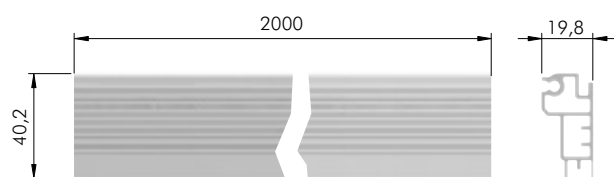


CABINET WIDTH FROM 450



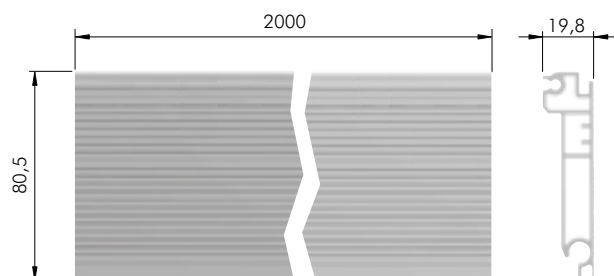
ITEM 244 | LIBRA H7 BAR H 40,2 mm L. 2000 mm
FINISH | ALUMINIUM | RIH1987

To be cut by the customer.



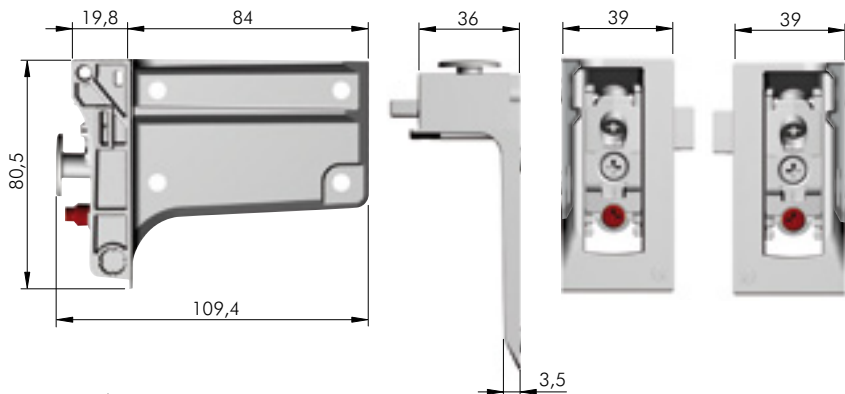
ITEM 245 | LIBRA H7 BAR H 80,5 mm L. 2000 mm
FINISH | ALUMINIUM | RIH1988

To be cut by the customer.



LIBRA H7 screw fixing with "peg joint" for aluminium bar

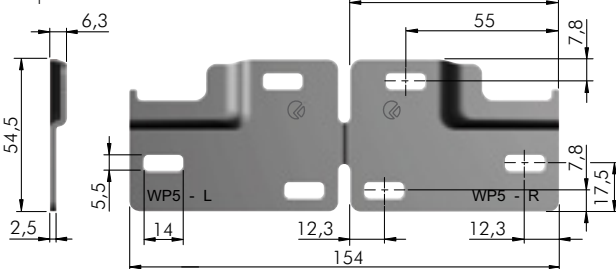
ITEM 241/242 | LIBRA H7 SCREW FIXING WITH "PEG JOINT" FOR ALUMINIUM BAR
 FINISH | ZINC ALLOY AND STEEL ZINC-PLATED RIGHT VERSION | RIH1983
 LEFT VERSION | RIH1984



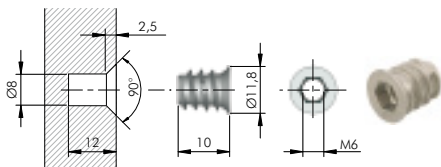
ITEM 247 | WALL PLATE WP5
 FINISH | STEEL ZINC-PLATED | RIH1989

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

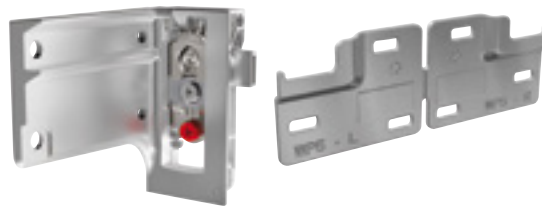
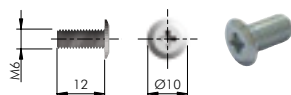
Stress resistance calculated in Newton according to normative UNI 10768:
 - 7750 N



ITEM 242 | INSERT NUT M6 X 10 mm
 FINISH | RAW ZINC ALLOY | RIH1986



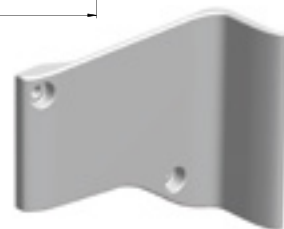
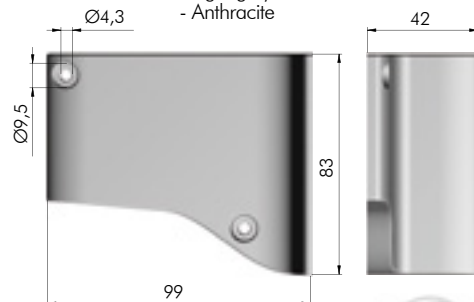
ITEM 241 | FLAT HEAD SCREW M6 x 12 mm
 FINISH | STEEL NICKEL-PLATED | RIH1985



LIBRA H7 COVER CAP

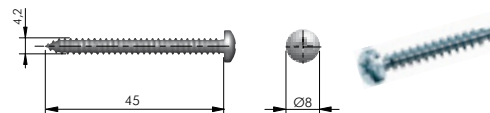
Plastic

On demand: - White
 - Light grey
 - Anthracite

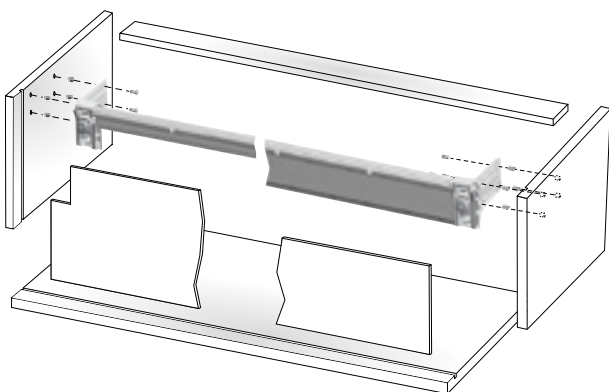


ITEM 1345 | SELF-TAPPING PAN HEAD SCREW
 Ø 4,2 x 45 mm

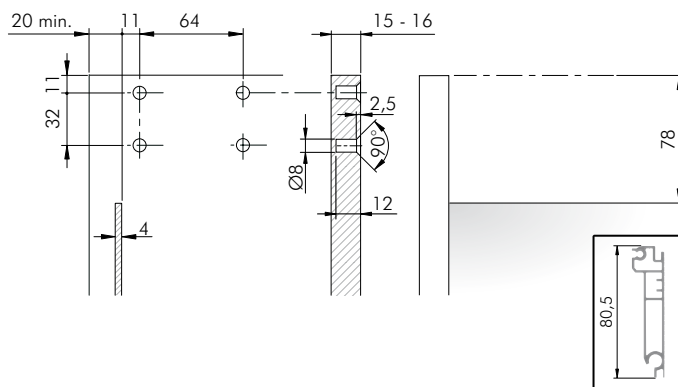
FINISH | STEEL ZINC-PLATED | RIH1008



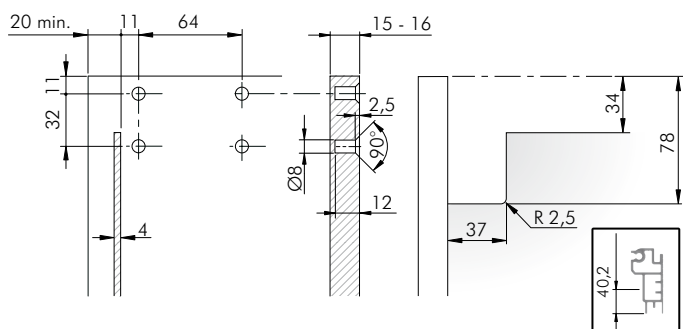
APPLICATIONS AND DRILLING PLANS



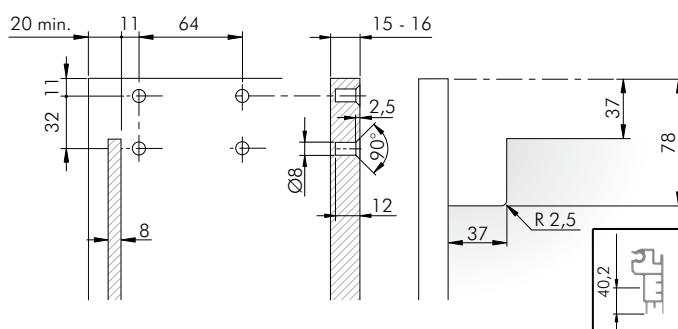
WITH ALUMINIUM BAR H 80,5 mm AND BACK PANEL 4 mm THICK



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



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





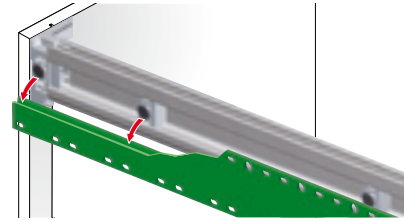
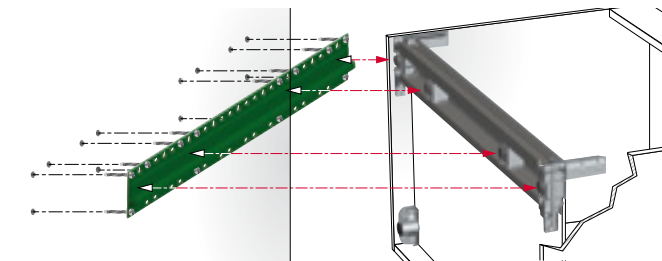
Recommended for kitchen bases and tall units. For further info contact the office.



PATENTED

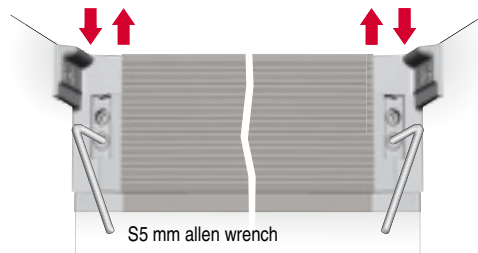


WALL BAR INSTALLATION AND CABINET HANGING



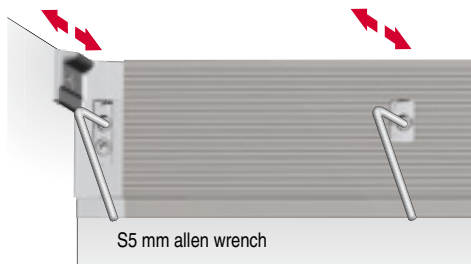
ADJUSTMENTS

Vertical adjustment: 15 mm



Vertical adjustment to be carried out through both side hangers. The intermediate hooks consequently follow the vertical adjustment carried out through the side hangers.

In-Depth adjustment: 10 mm

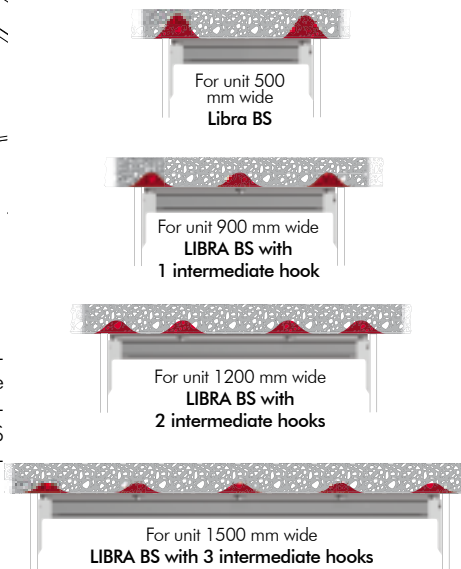


In-Depth adjustment to be carried out progressively through side hangers and intermediate hooks.

The fixing screws for the wall bar have to be aligned with the LIBRA BS hanging hooks.

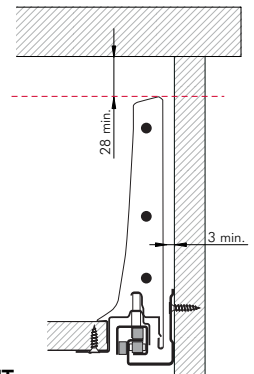
For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

■ = STRESS INTENSITY LEVEL ON THE WALL

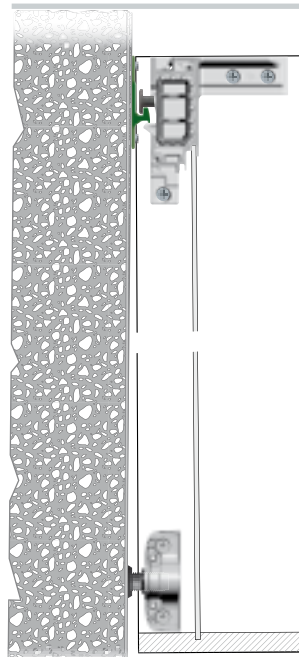


By adding intermediate hooks to LIBRA BS, the capacity loading is more evenly distributed, thus sensibly reducing the stress intensity level on the wall.

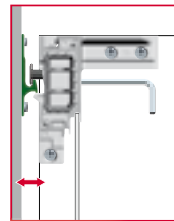
The hanging system is never interfering with the slides for drawers thanks to the slim side bracket wings.



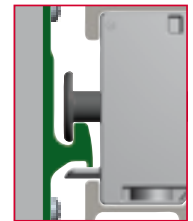
ANTI-TURNOVER SYSTEM AND INCLINATION ADJUSTMENT



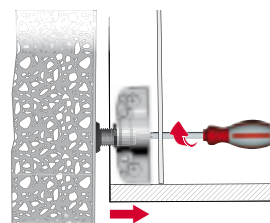
SIDE HANGERS



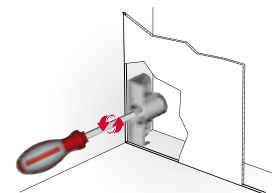
INTERMEDIATE HOOKS



The self-inserting anti-turnover device is carried out after 6 mm of in-depth adjustment.



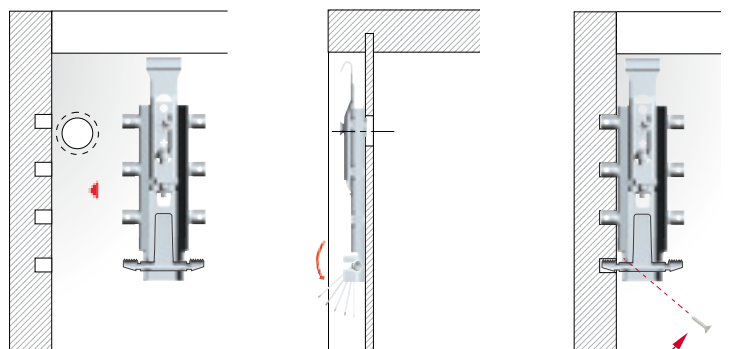
Inclination adjustment through Libra BS leveller, if required.



- ▶ Spider is the unhandled version with 3 dowels + rotary lever fixing to be fixed behind the rear panel.
- ▶ Adjustments to be carried out from the inside of the cabinet through a hole covered with alternative and small cover caps.
- ▶ This cabinet hanger has a user-friendly adjustment through front gear cross socket interconnected to the vertical bolt, which reduces the cabinet adjustment effort.
- ▶ Wall fixing plate to snap in two parts.
- ▶ Capacity loading 65 Kilos per piece (130 Kilos per pair).
- ▶ Steel and zinc alloy.
- ▶ In accordance with the European Regulation DIN 68840 and Italian Regulation UNI 10716.

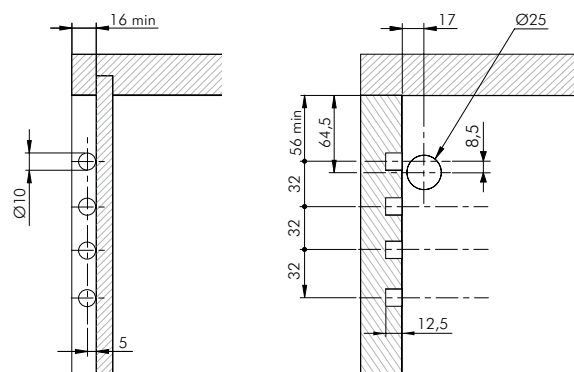


INSTALLATION



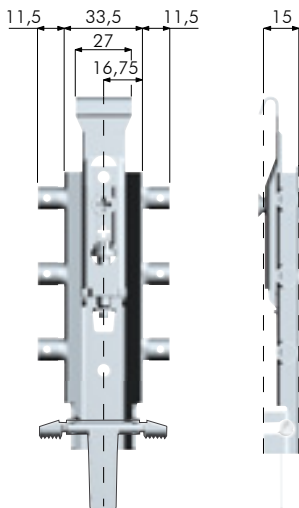
Recommended fixing countersunk head wood screws $\varnothing 3,5 \times 20$ mm.

DRILLING PLAN



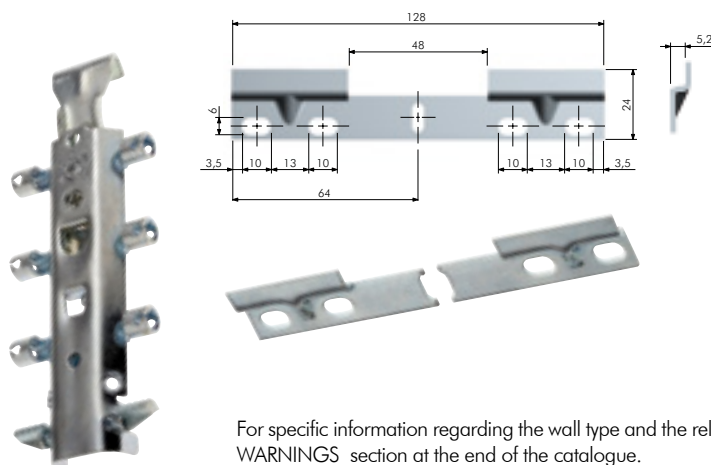
SPIDER DOWEL FIXING

Steel and zinc alloy zinc-plated



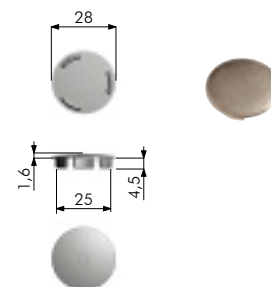
WALL PLATE

Steel zinc-plated



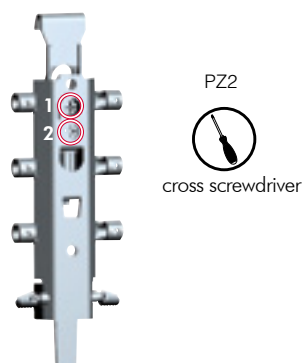
COVER CAP $\varnothing 25$ mm

Zinc alloy nikel-plated

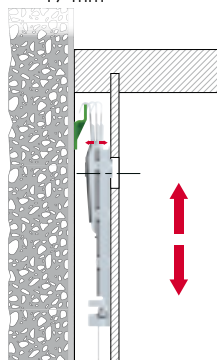


For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

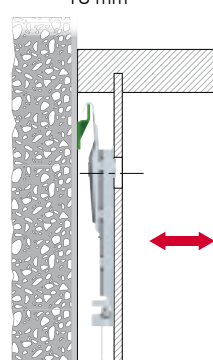
ADJUSTMENTS



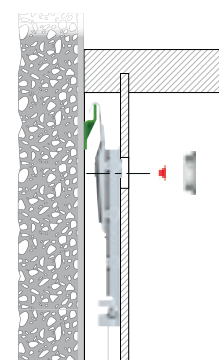
1- Vertical adjustment:
17 mm



2- In-Depth adjustment:
18 mm



COVER CAP INSERTING



CONCEALED HANGER



- ▶ Concealed hanging bracket for fixing mirrors, panels and small wall cabinets.
- ▶ It is slotted into the rear panel by making face boring.
- ▶ A $\text{Ø} 5$ 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.



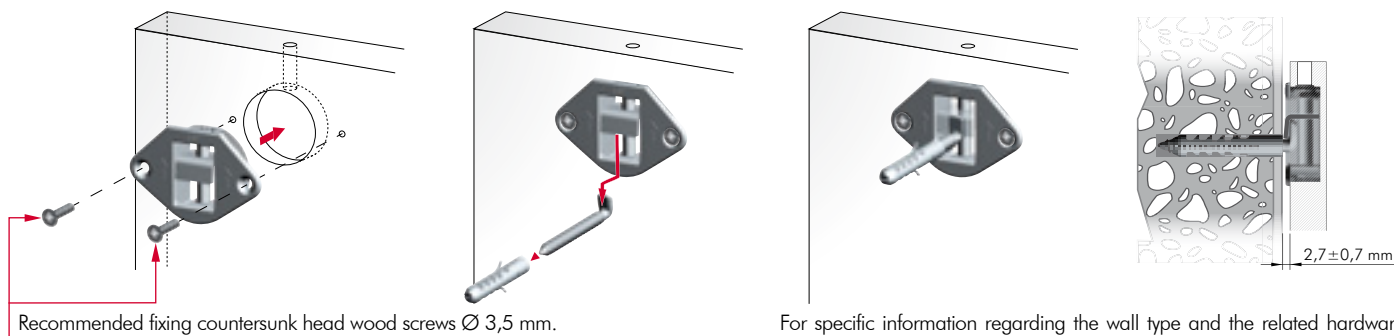
For small units:

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

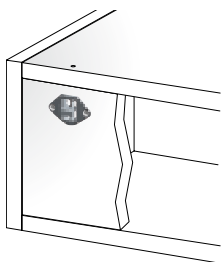
50 Kilos per pair.



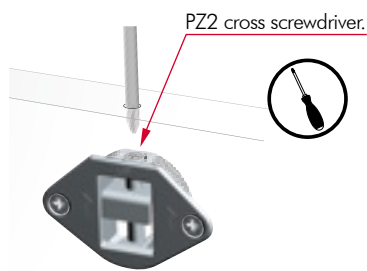
INSTALLATION ON THE REAR PANEL AND ON THE WALL



ALTERNATIVE APPLICATION FOR SMALL UNIT

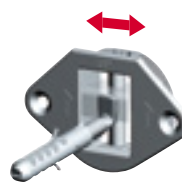


ADJUSTMENTS



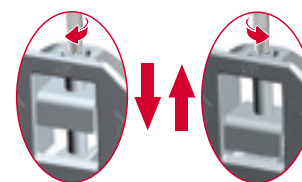
LATERAL ADJUSTMENT

10 mm



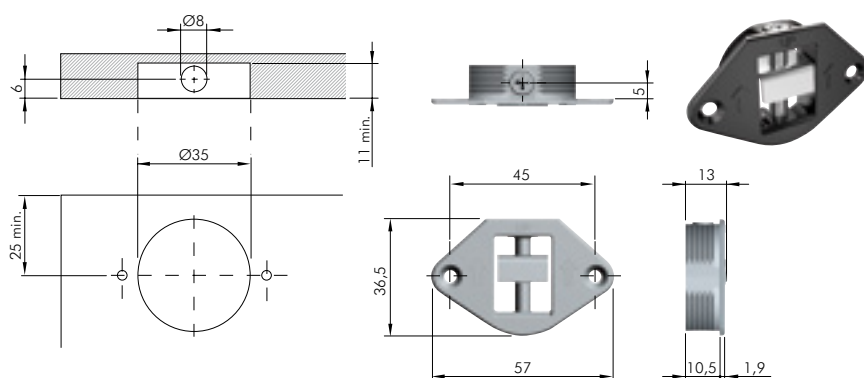
VERTICAL ADJUSTMENT

11 mm

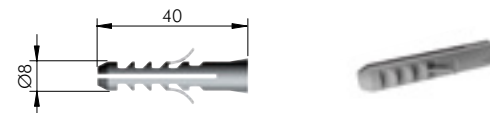


ITEM 254 | CONCEALED HANGING BRACKET $\text{Ø} 35$ mm
 FINISH | STEEL ZINC-PLATED AND PLASTIC BLACK | RIH1995

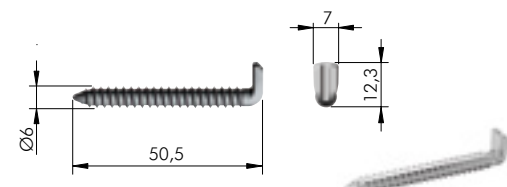
- Supplied with rawl plug and hook screw.



RAWL PLUG $\text{Ø} 8 \times 40$ mm



SCREW HOOK $\text{Ø} 6 \times 50,5$ mm

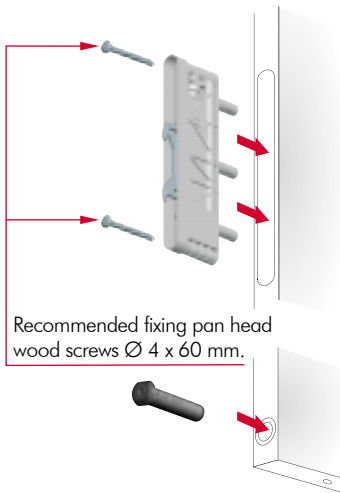




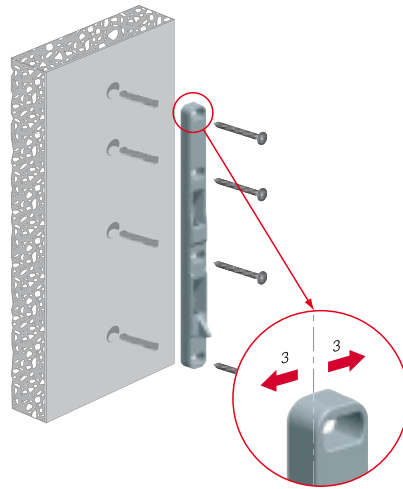
- ▶ Innovative concealed hanger, suitable to fix heavy-duty suspended libraries and cabinets on the wall, even when the structure is conceived without the back panel.
- ▶ To be inserted onto each side/partition of the furniture, minimum 25 mm thick.
- ▶ Consists of: a wall bracket whose optimized shape 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 $\varnothing 8$ 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 $\varnothing 14$ 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.



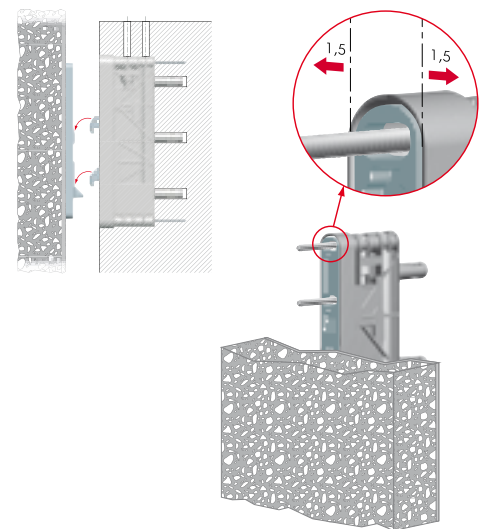
LIKU AND LEVELLER $\varnothing 14$ H52 INSTALLATION



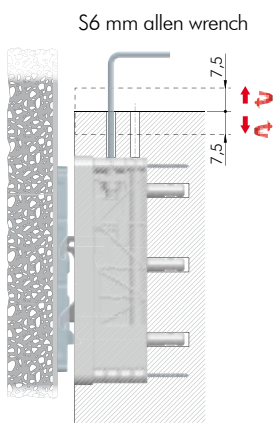
WALL PLATE FIXING AND LATERAL ADJUSTMENT: 6 mm



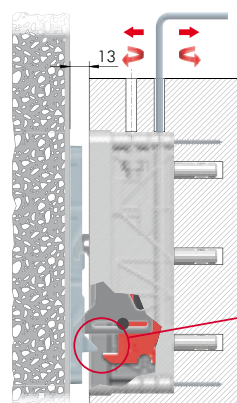
INSTALLATION AND FURTHER LATERAL ADJUSTMENT: 3 mm



VERTICAL ADJUSTMENT: 15 mm



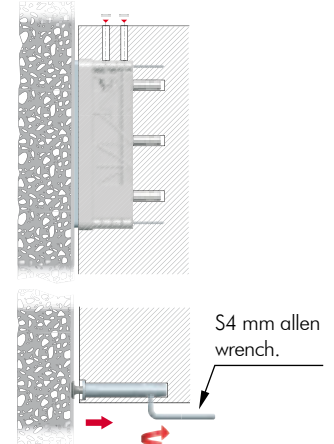
IN-DEPTH ADJUSTMENT: 13 mm AND Anti-turnover locking



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

Anti-turnover device in detail.

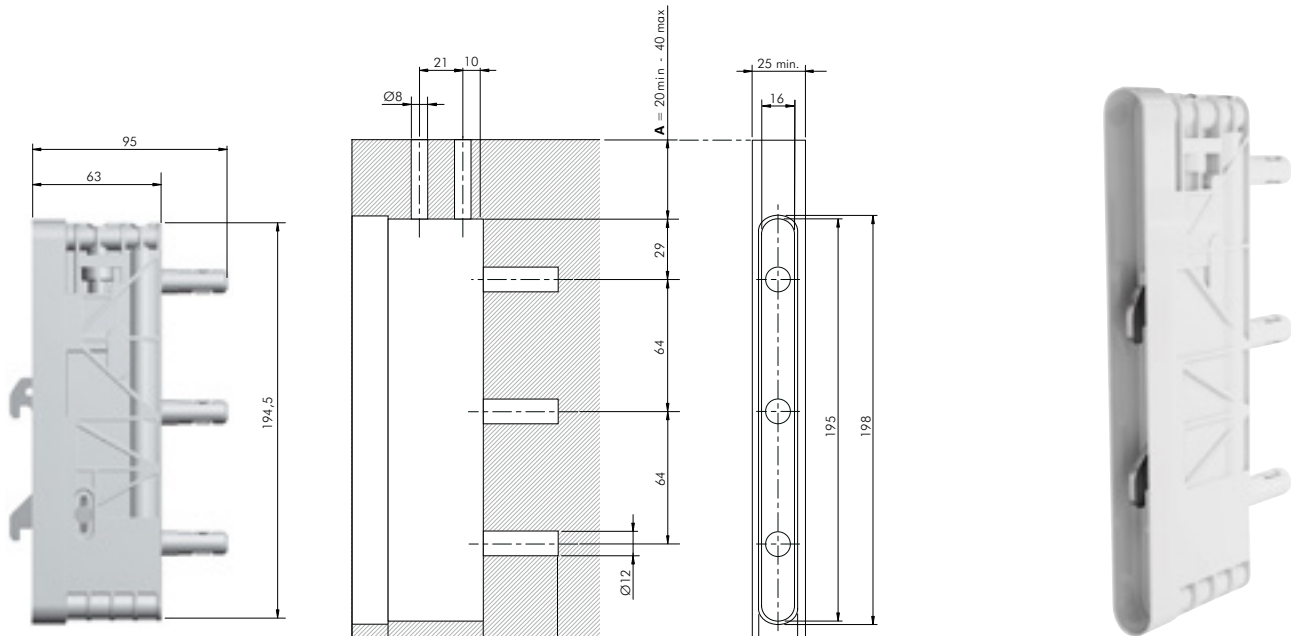
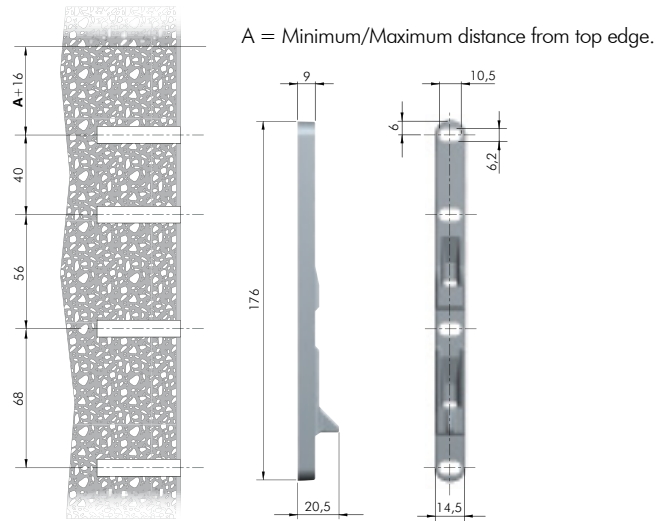
INCLINATION ADJUSTMENT



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

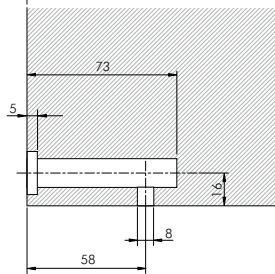
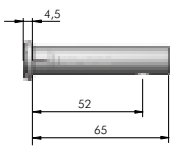
Plastic, zinc alloy and steel zinc-plated



LEVELLER Ø 14 H 52 mm

Raw zinc alloy, steel and plastic black

- Adjustment 0 - 18 mm



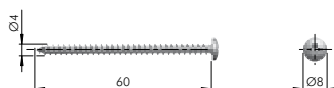
ITEM 135 | COVER CAP Ø 8 mm

COLOUR | PLASTIC WHITE | RIH2077



SELF-TAPPING PAN HEAD SCREW Ø 4 x 60 mm

Steel zinc-plated



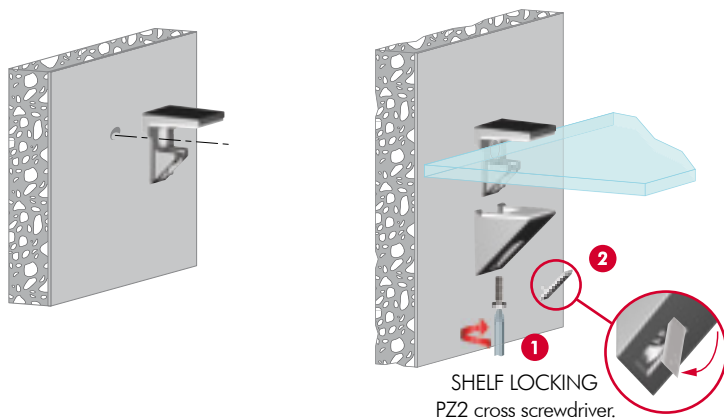


- ▶ Brand new shelf support for small free-standing glass shelves.
- ▶ Fresh and contemporary design.
- ▶ Suitable for glass shelves from 5 up to 10 mm thick clamped between a soft rubber on both the upper and lower side.
- ▶ Easy alignment of the brackets against the wall.
- ▶ White plastic cover to 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.



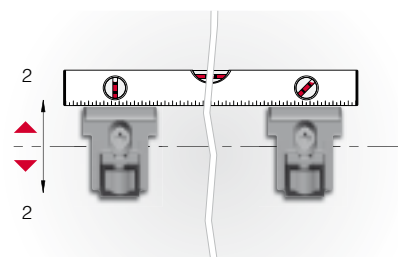
REGISTERED DESIGN

INSTALLATION



SHELF LOCKING
PZ2 cross screwdriver.

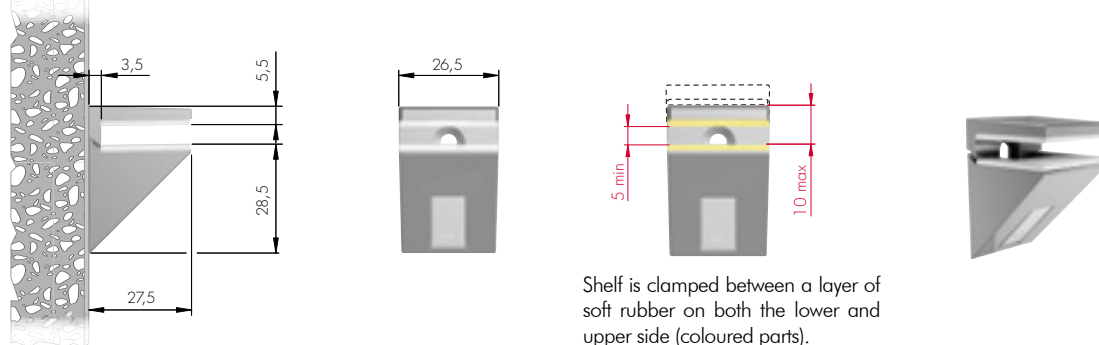
BRACKET ALIGNMENT



ITEM 189 | **KALABRONE MINI 5 - 10 mm**
FINISH | ZINC ALLOY BRIGHT CHROME | RIH1896

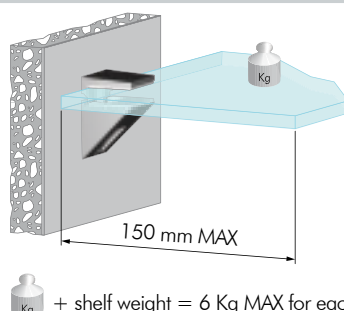
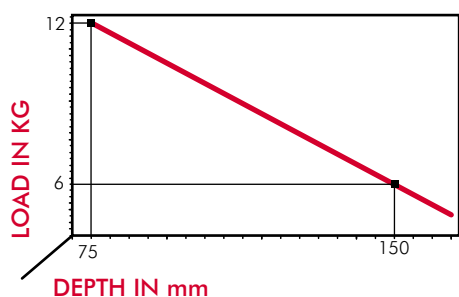
On demand: Stainless steel, Silver, White and Matt black.

- Kalabrone Mini is supplied individually bagged with fixing clamping screw, plastic white 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



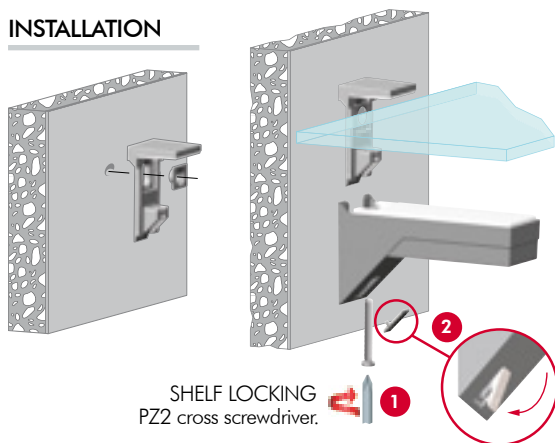
For further information: www.italianaferramenta.com > CATALOGUE > WOOD AND GLASS SHELVING SYSTEMS

- ▶ 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.

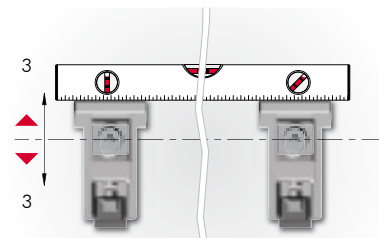


REGISTERED DESIGN

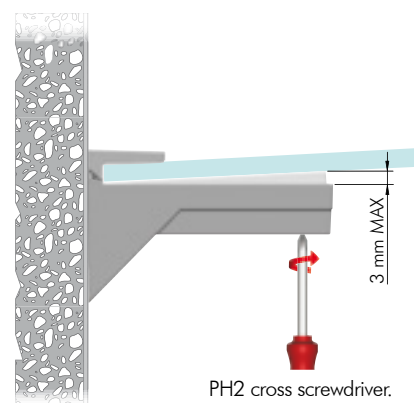
INSTALLATION



BRACKET ALIGNMENT



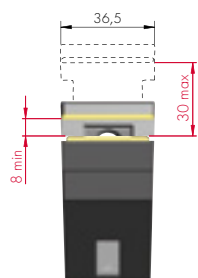
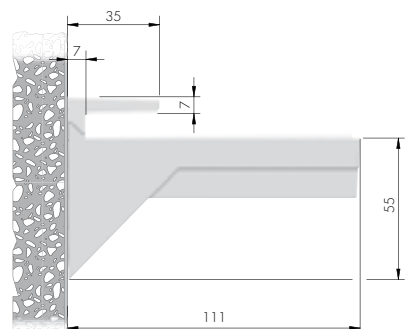
INCLINATION ADJUSTMENT



ITEM 188 | **KALABRONE 8 - 30 mm**
FINISH | ZINC ALLOY STAINLESS STEEL | RIH1895

Ⓢ On demand: Bright chrome, Silver, White and Matt black.

- Kalabrone is supplied in carton box including 2 pieces, plastic white cover caps, fixing accessories and instruction sheet.
- Fixing screw 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).

KALABRONE Maxi 25 - 50 mm

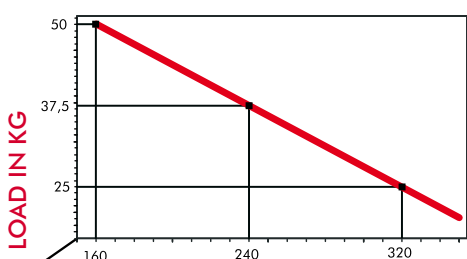
Zinc alloy

Ⓢ On demand:

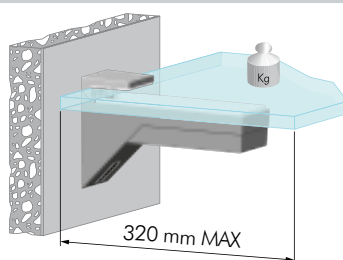
- Stainless steel
- Silver
- Bright chrome



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



DEPTH IN mm

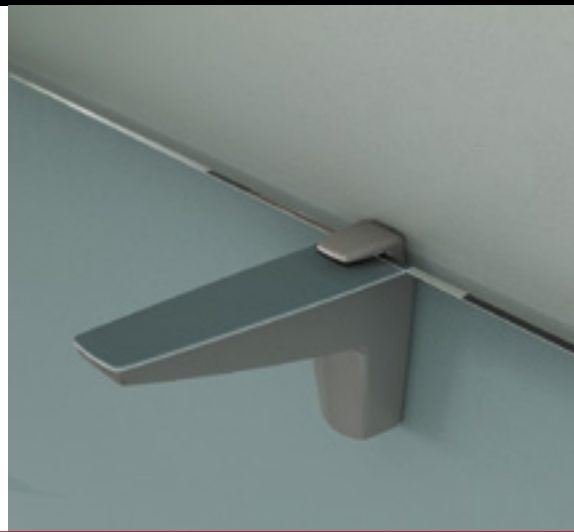


+ shelf weight = 25 Kg MAX for each shelf support

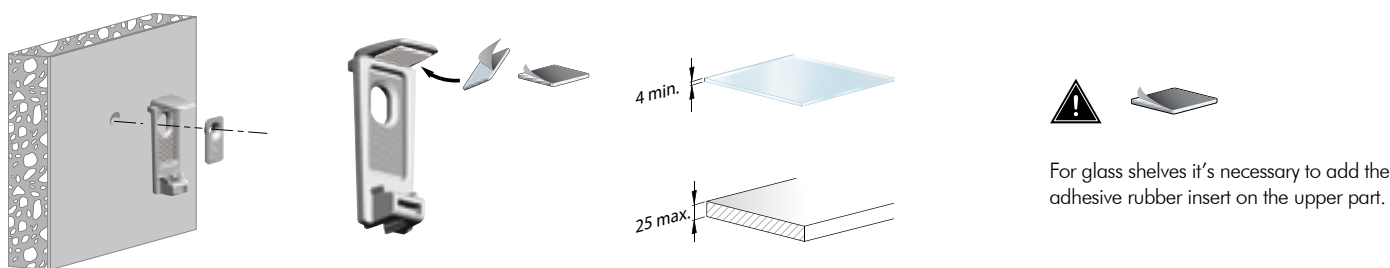
For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.



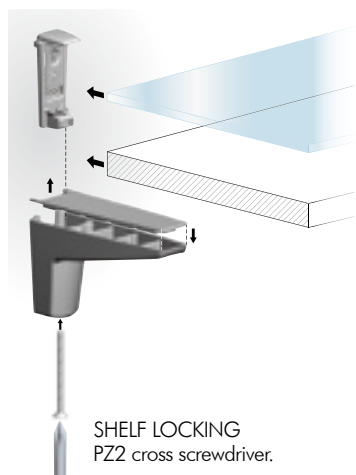
- ▶ Decorative and structural shelf support for free-standing shelves.
- ▶ **Fresh and contemporary design, ideal for both glass and wood shelves from 4 to 25mm thick.**
- ▶ Useful method for perfect and permanent alignment of the brackets against the wall.
- ▶ High capacity loading: 50 kilos per pair,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



BRACKET INSTALLATION



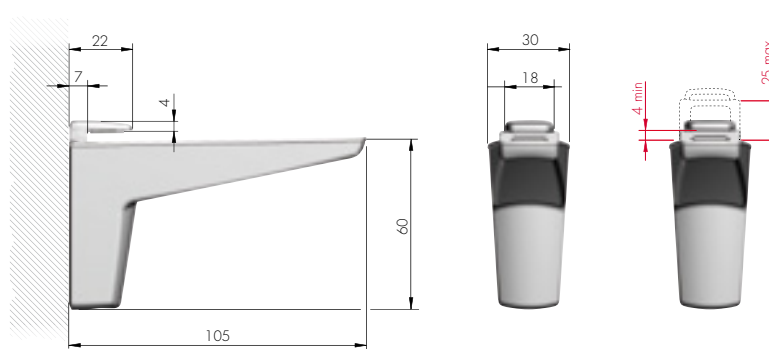
SHELF INSTALLATION



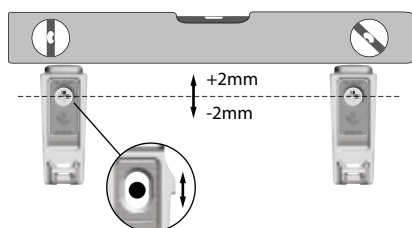
ITEM 1573 | **MOON S**
FINISH | ZINC ALLOY T-MET | RIH1047

Ⓞ On demand: Bright chrome and Matt black.

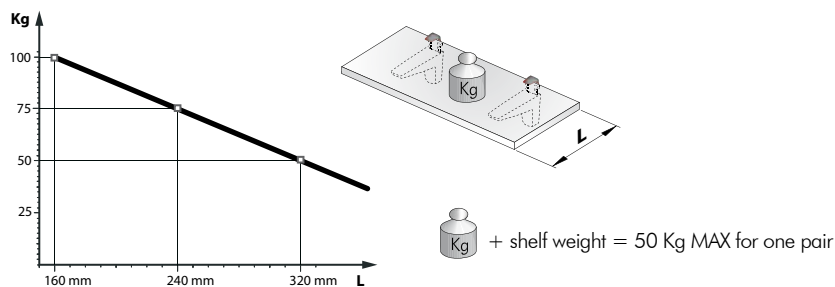
• Moon S is supplied in carton box including 2 pieces, adhesive soft rubbers, fixing accessories and instruction sheet. Fixing screws to wall not included.



BRACKET ALIGNMENT



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



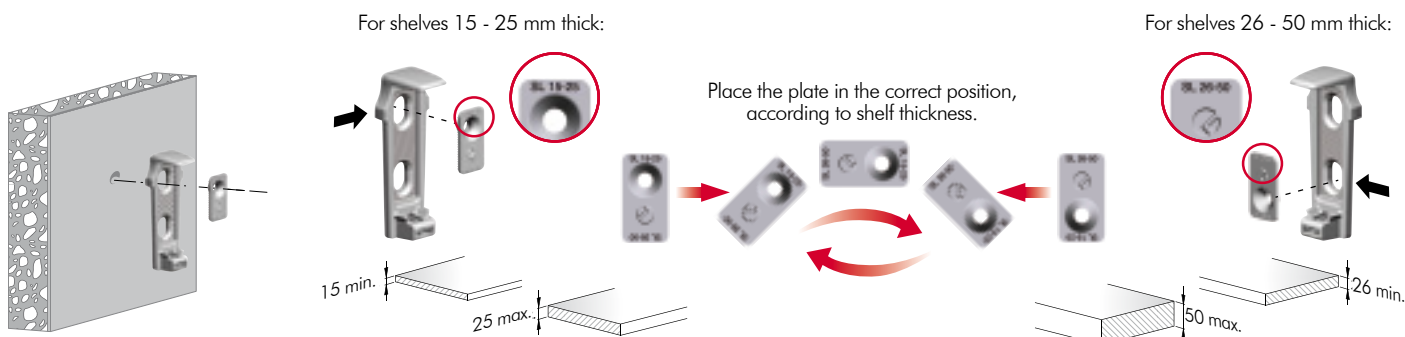
For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.



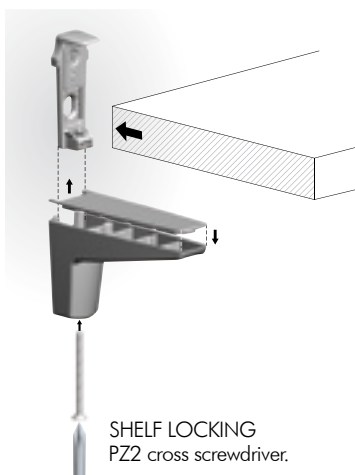
- ▶ Decorative and structural shelf support for free-standing shelves.
- ▶ **Fresh and contemporary design, ideal for wood shelves from 15 to 50mm thick.**
- ▶ Useful method for perfect and permanent alignment of the brackets against the wall.
- ▶ High capacity loading: 50 kilos per pair, with 320mm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



BRACKET INSTALLATION



SHELF INSTALLATION

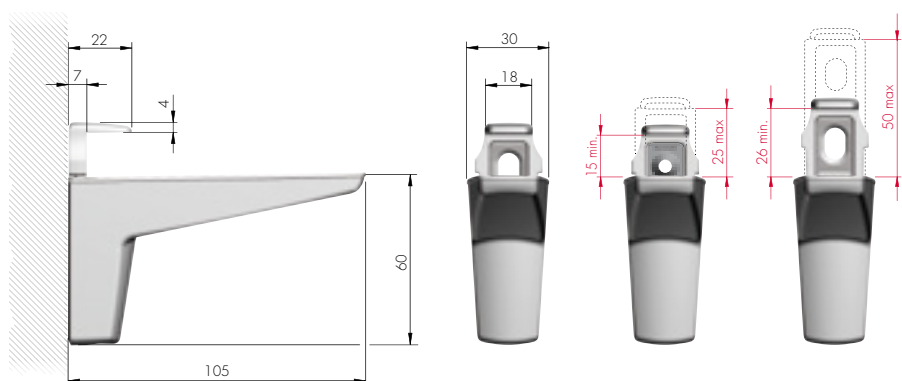


MOON

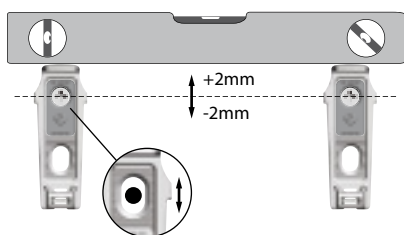
Zinc alloy, soft rubber, steel and plastic.

⊗ On demand: T-MET, Bright chrome and Matt black.

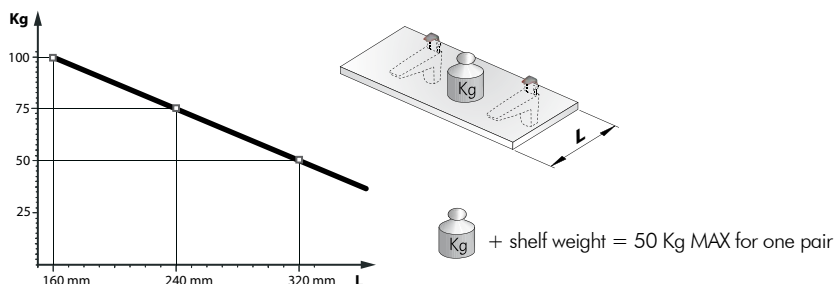
• Moon is supplied in carton box including 2 pieces, fixing accessories and instruction sheet. Fixing screws to wall not included.



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.



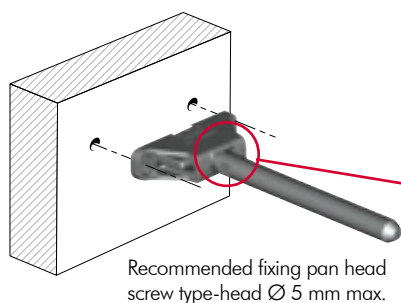
- ▶ Concealed and structural shelf support system for free standing shelves, conceived to simplify the shelf installation.
- ▶ It is available in four versions:
 - TRIADE Mini for minimum 25 mm thickness.
 - TRIADE for 30 to 40 mm thickness.
 - TRIADE MAXI for minimum 40 mm thickness.
 - TRIADE XXL for 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

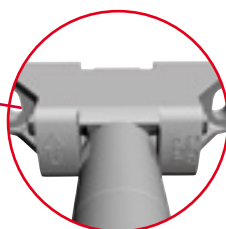
INSTALLATION

WOOD PANEL

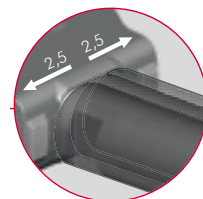
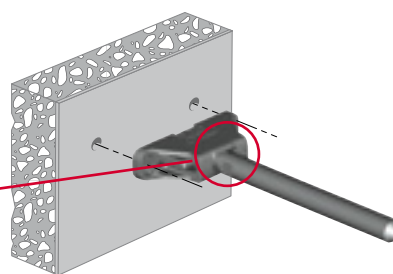


VERY IMPORTANT

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

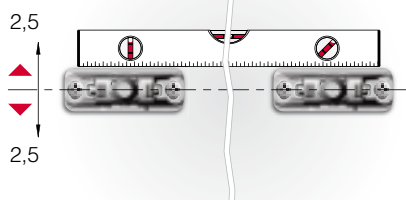


SOLID AND PLASTERBOARD PANEL



VERTICAL ADJUSTMENT

Align brackets vertically accordingly.

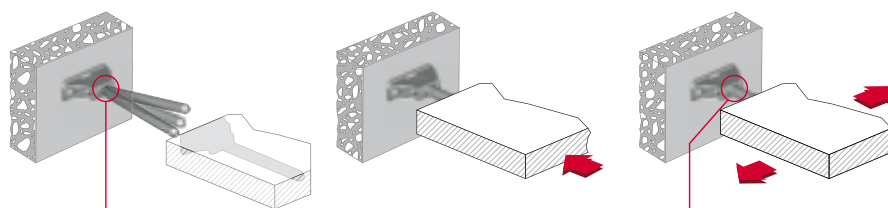


SHELF INSERTING AND LATERAL ADJUSTMENT

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

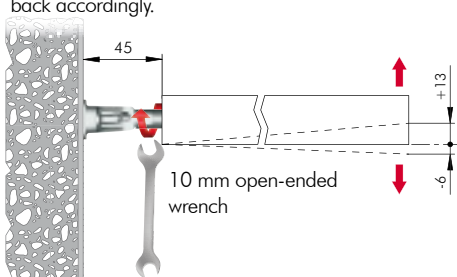
Insert partially the shelf.

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



INCLINATION ADJUSTMENT

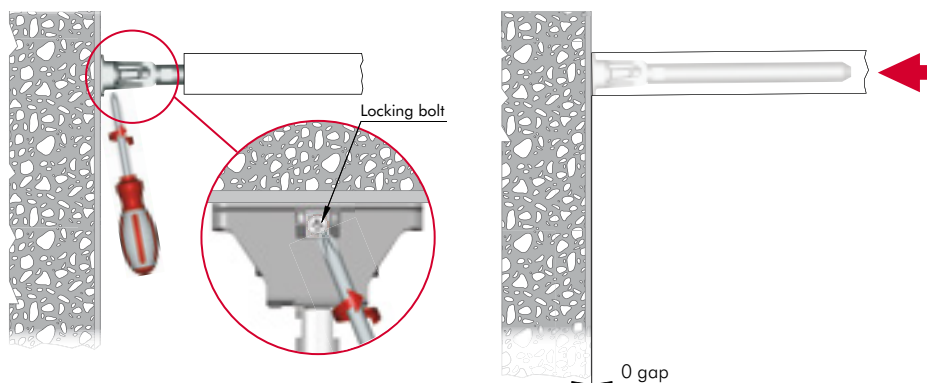
Turn clockwise the supporting pin with a 10 mm open-ended wrench to adjust the shelf angle front to back accordingly.



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.

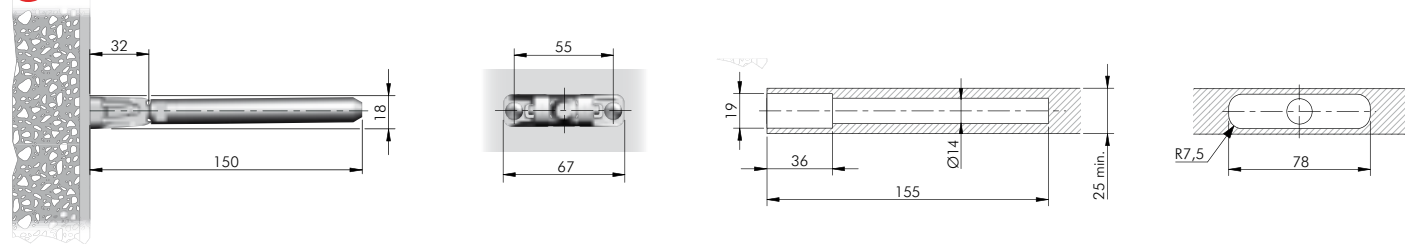


TRIADE MINI AND BRACKET

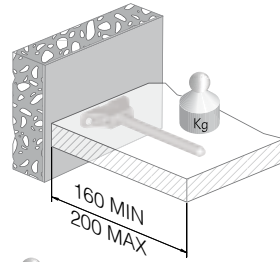
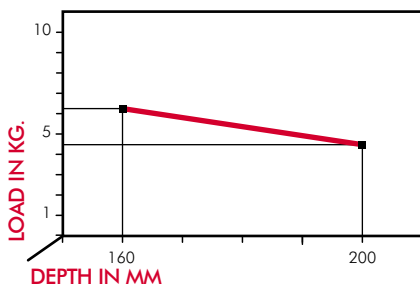
TRIADE MINI

Raw zinc alloy and steel zinc-plated

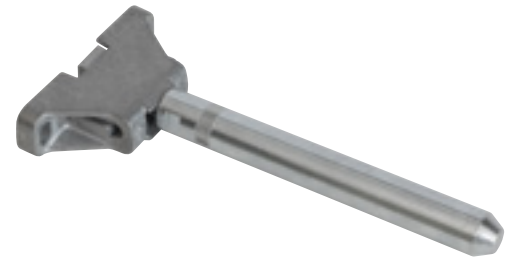
On demand



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



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



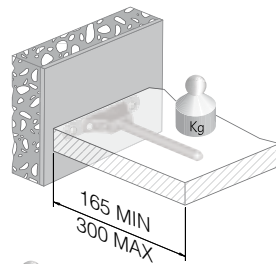
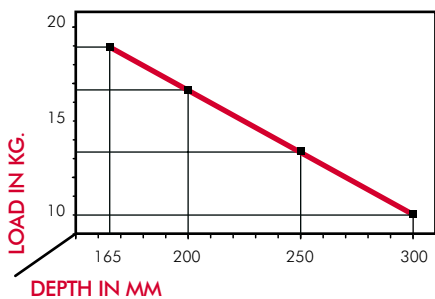
For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

BRACKET FOR TRIADE MINI

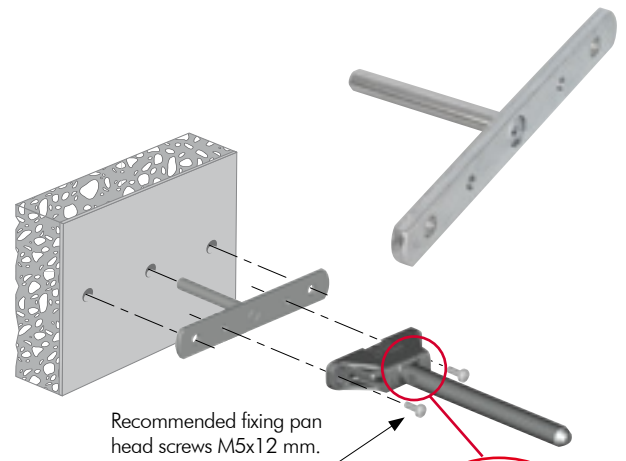
Steel zinc-plated

On demand

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



+ shelf weight = 10 kg maximum for each shelf support

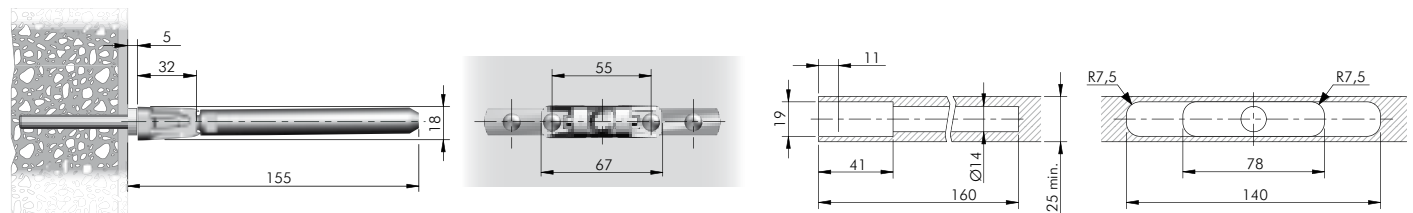


VERY IMPORTANT

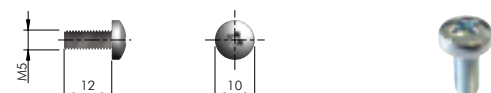
- The capacity loading data stated in the chart refers to Triade Mini used in combination with the related wall bracket.

- 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.



ITEM 211 | PAN HEAD SCREW M5 x 12 mm
FINISH | STEEL ZINC-PLATED | RIH1898





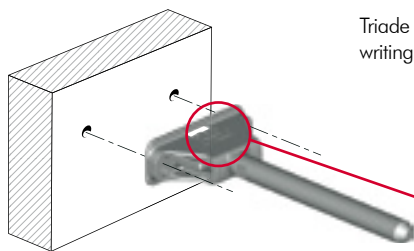
- ▶ Concealed and structural shelf support system for free standing shelves, conceived to simplify the shelf installation.
- ▶ It is available in four versions:
 - TRIADE Mini for minimum 25 mm thickness.
 - TRIADE for 30 to 40 mm thickness.
 - TRIADE MAXI for minimum 40 mm thickness.
 - TRIADE XXL for honeycomb/lightweight panels minimum 40 mm thickness.
- ▶ Features three independent adjustments:
 - vertical: for perfect alignment of the brackets against the wall.
 - lateral: to compensate ing 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



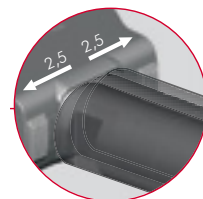
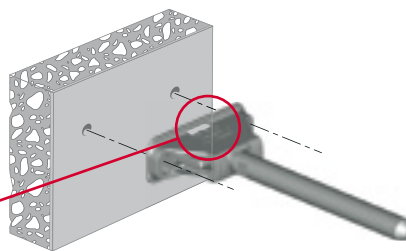
Recommended fixing pan head screw type-head Ø 5 mm max.

VERY IMPORTANT

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

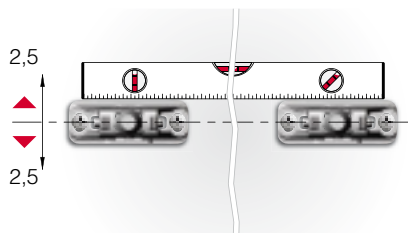


SOLID AND PLASTERBOARD PANEL



VERTICAL ADJUSTMENT

Align brackets vertically accordingly.

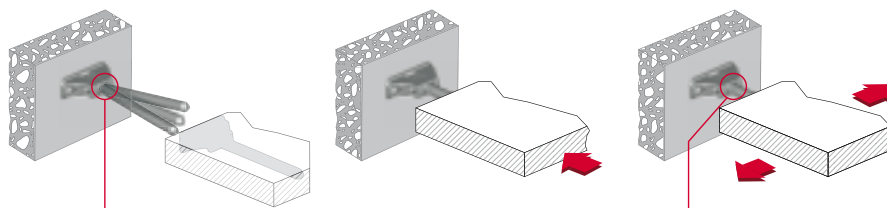


SHELF INSERTING AND LATERAL ADJUSTMENT

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

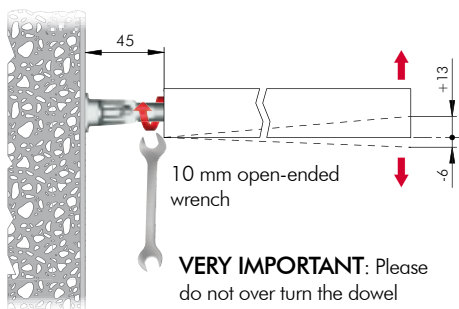
Insert partially the shelf.

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



INCLINATION ADJUSTMENT

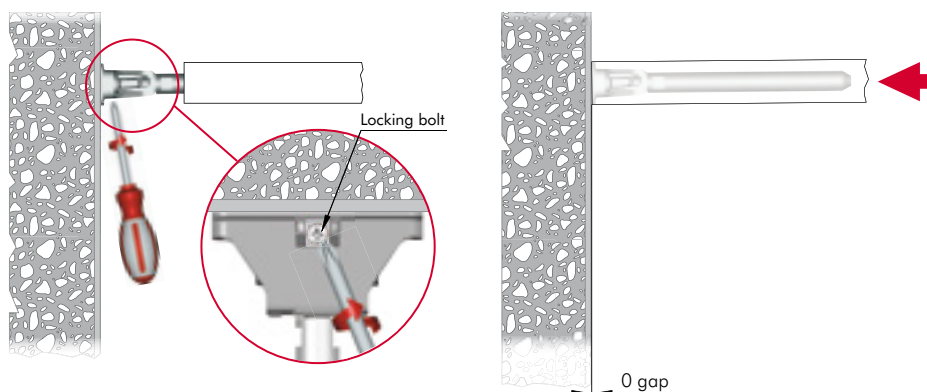
Turn clockwise the supporting pin with a 10 mm open-ended wrench to adjust the shelf angle front to back accordingly.



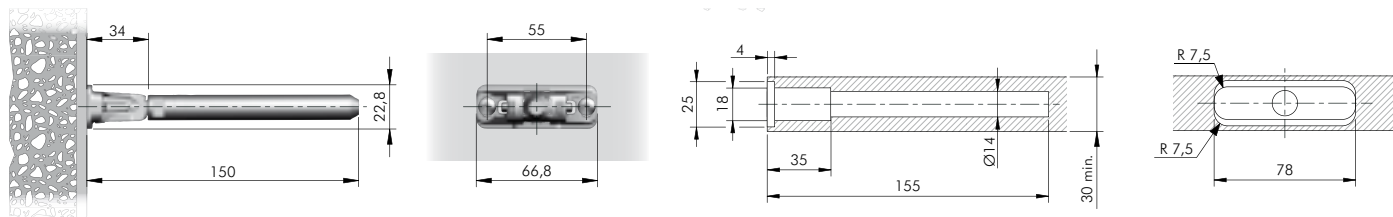
VERY IMPORTANT: Please do not over turn the dowel clockwise or anticlockwise when it reaches the end point.

PIN LOCKING AND SHELF INSERTING

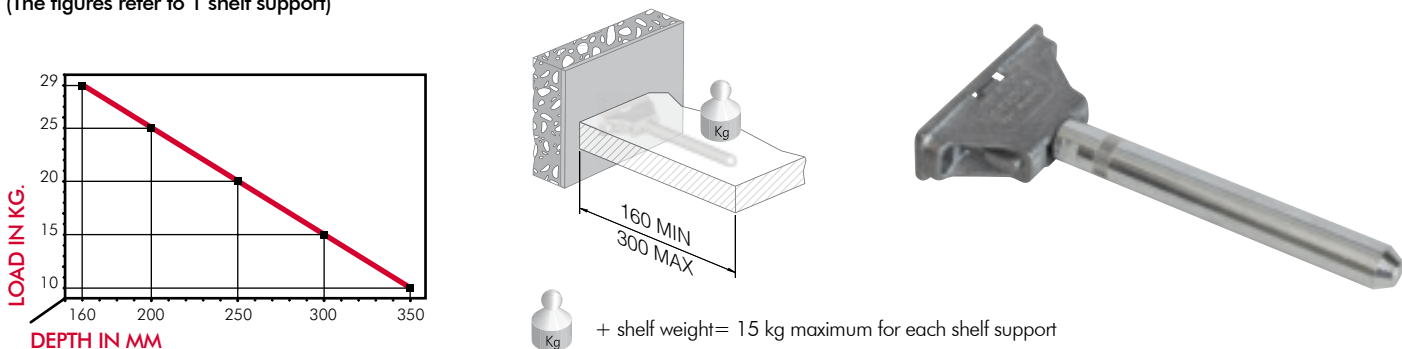
Push the shelf against the wall until the end.



ITEM 201 | **TRIADE**
 FINISH | RAW ZINC ALLOY AND STEEL ZINC-PLATED | RIH1897



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



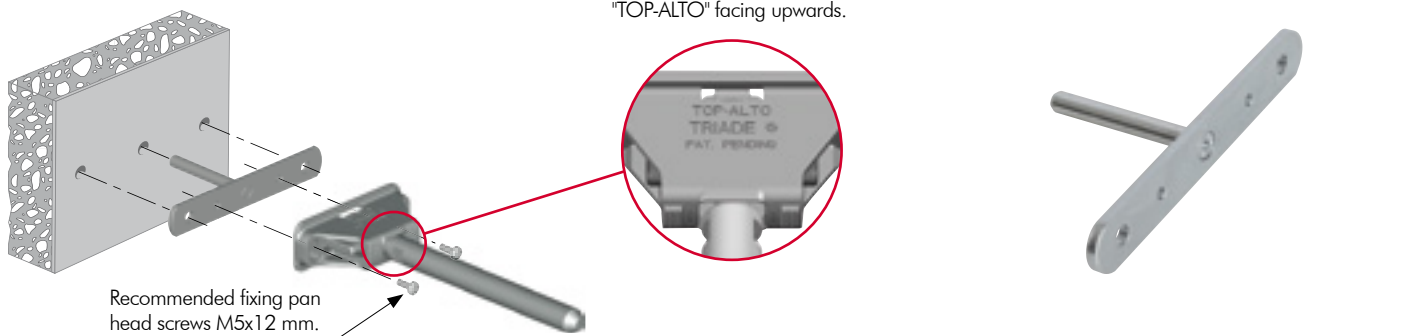
For specific information regarding the wall type and the related hardware fittings, please refer to the WARNINGS section at the end of the catalogue.

ITEM 204 | **BRACKET FOR TRIADE**
 FINISH | STEEL ZINC-PLATED | RIH1996

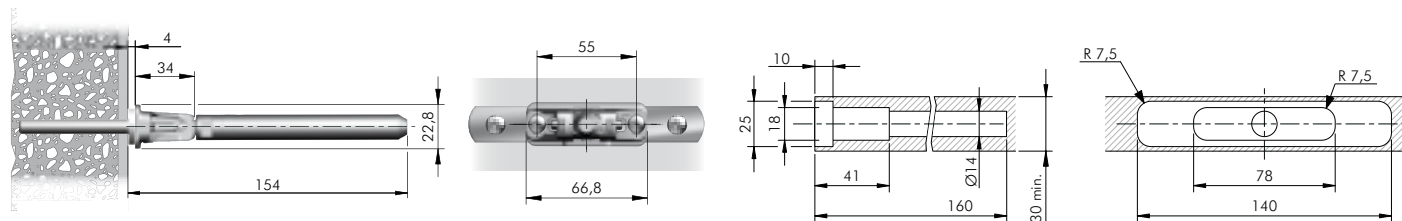
Complement BRACKET to enhance the capacity loading and the shelf stability by evenly distributing the shelf load on the wall.

VERY IMPORTANT

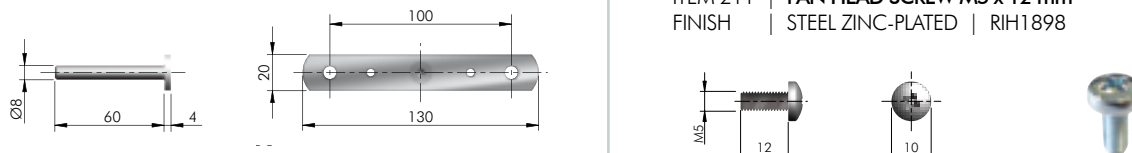
Triade has to be installed with the writing "TOP-ALTO TRIADE" facing upwards.



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



ITEM 211 | **PAN HEAD SCREW M5 x 12 mm**
 FINISH | STEEL ZINC-PLATED | RIH1898





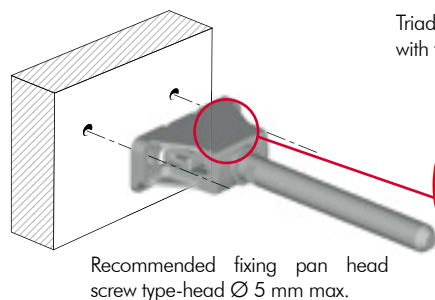
- ▶ Concealed and structural shelf support system for free standing shelves, conceived to simplify the shelf installation.
- ▶ It is available in four versions:
 - TRIADE Mini for minimum 25 mm thickness.
 - TRIADE for 30 to 40 mm thickness.
 - TRIADE MAXI for minimum 40 mm thickness.
 - TRIADE XXL for 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

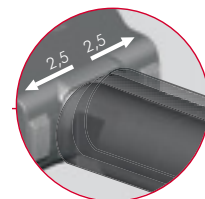
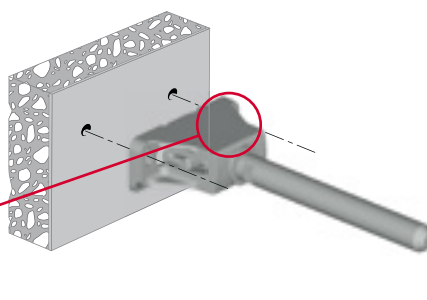
WOOD PANEL



VERY IMPORTANT

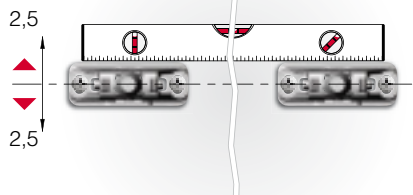
Triade Maxi has to be installed with the arrow facing upwards.

SOLID AND PLASTERBOARD PANEL



VERTICAL ADJUSTMENT

Align brackets vertically accordingly.

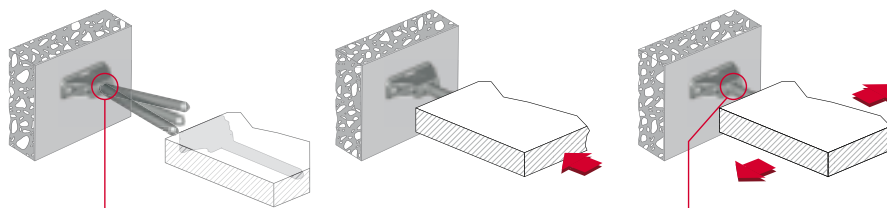


SHELF INSERTING AND LATERAL ADJUSTMENT

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

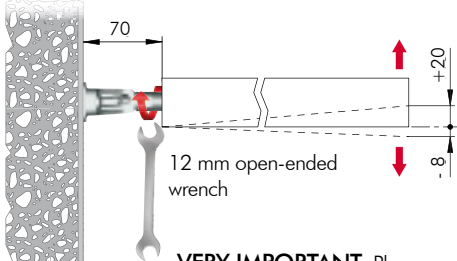
Insert partially the shelf.

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



INCLINATION ADJUSTMENT

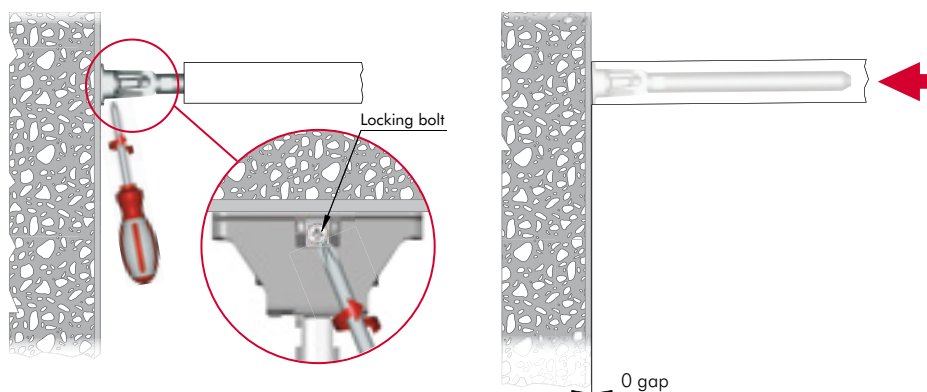
Turn clockwise the supporting pin with a 12 mm open-ended wrench to adjust the shelf angle front to back accordingly.



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.

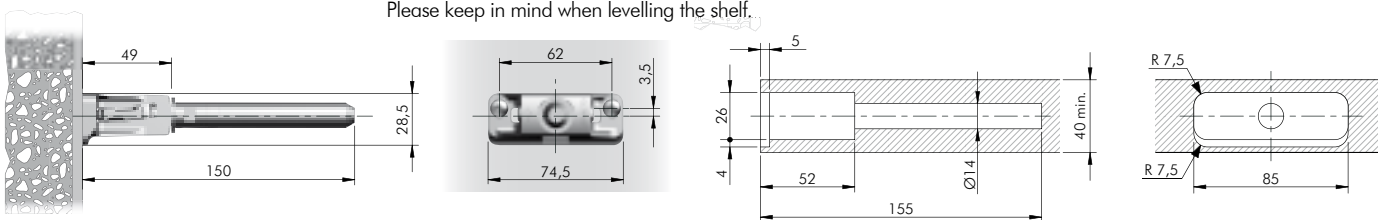


TRIADE MAXI AND BRACKET

ITEM 1662 | **TRIADE MAXI**
 FINISH | RAW ZINC ALLOY AND STEEL ZINC-PLATED | RIH1530

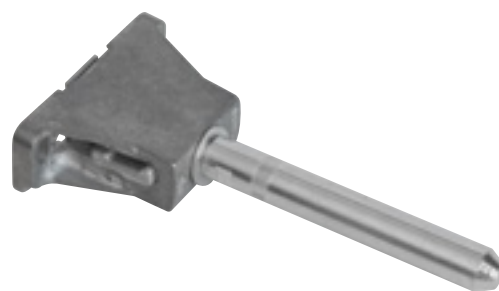
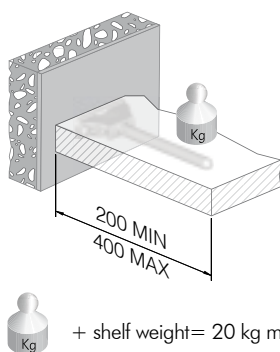
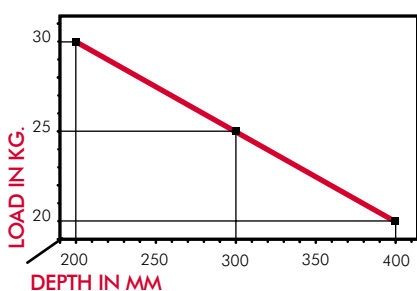
VERY IMPORTANT

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)



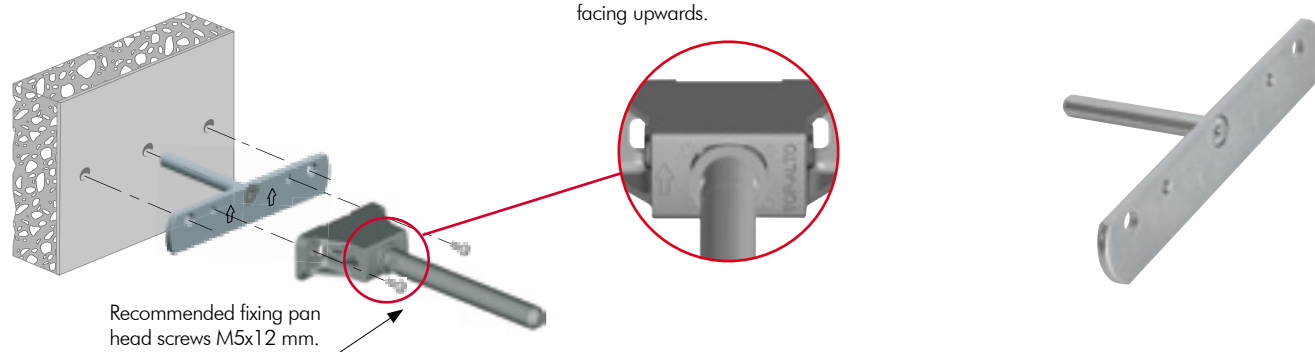
+ shelf weight = 20 kg maximum for each shelf support

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

ITEM 212 | **BRACKET FOR TRIADE MAXI**
 FINISH | STEEL ZINC-PLATED | RIH1899

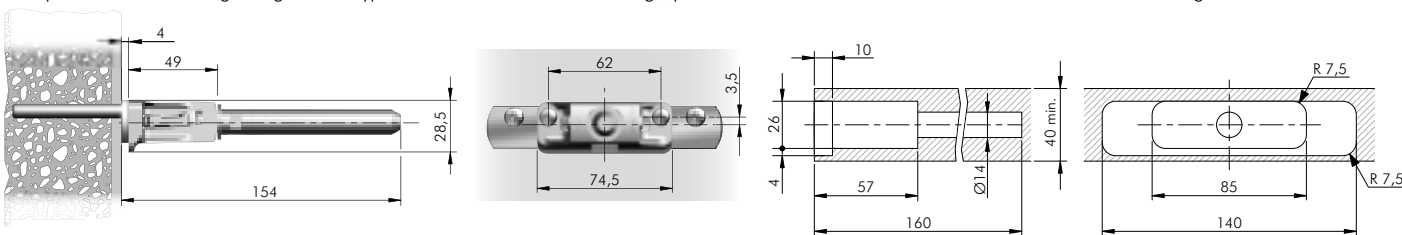
Complement BRACKET to enhance the capacity loading and the shelf stability by evenly distributing the shelf load on the wall.

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

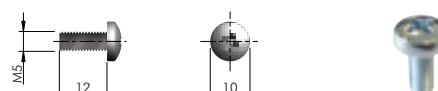


Recommended fixing pan head screws M5x12 mm.

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



ITEM 211 | **PAN HEAD SCREW M5 x 12 mm**
 FINISH | STEEL ZINC-PLATED | RIH1898



TRIADE MINI AND TRIADE ALU. PROFILE

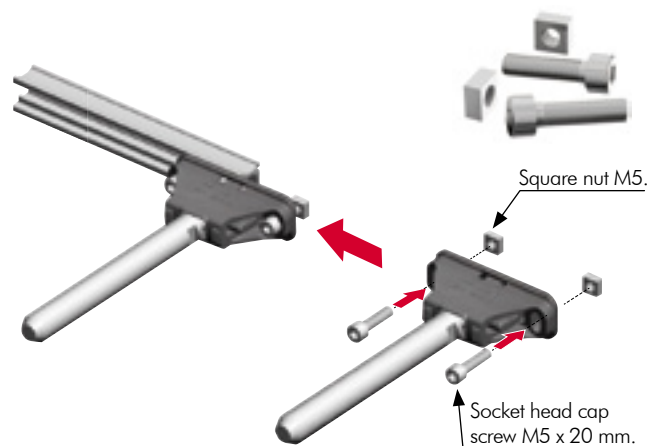
Application for wall with wooden studs and plasterboard



For further information: www.italianaferramenta.com > CATALOGUE > WOOD AND GLASS SHELVING SYSTEMS

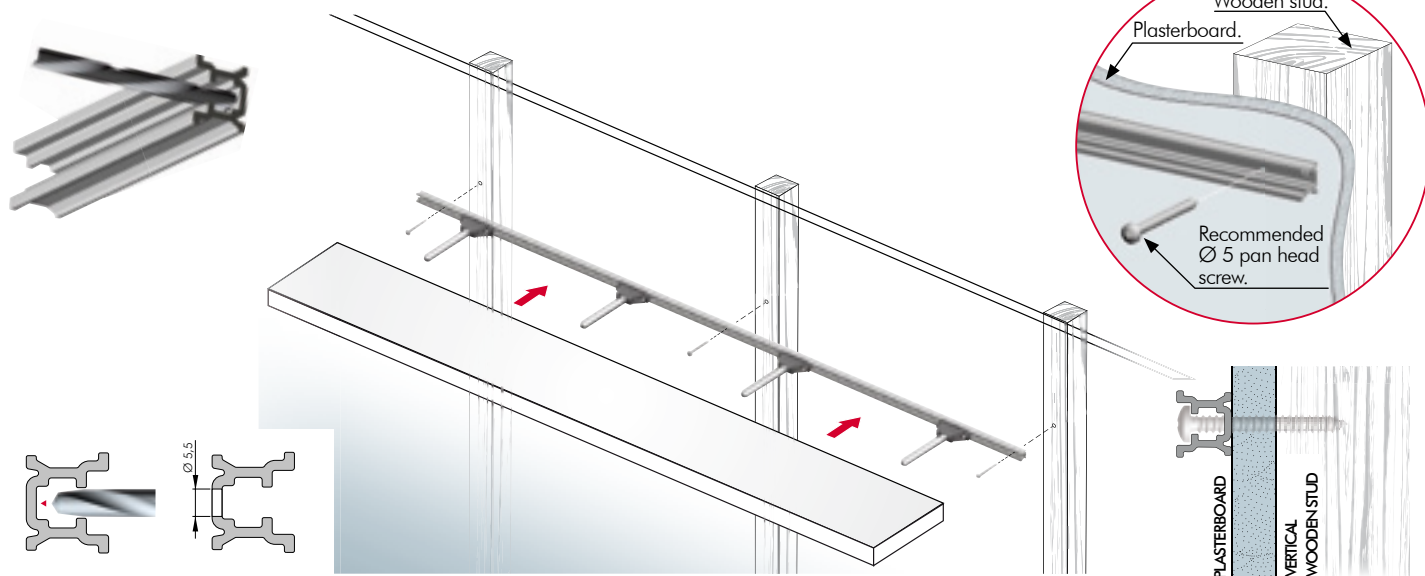
TRIADE MINI AND TRIADE ALUMINIUM PROFILE

INSERTION INTO THE ALUMINIUM PROFILE



ALUMINIUM PROFILE DRILLING

INSTALLATION ON THE WALL AND SHELF INSERTING

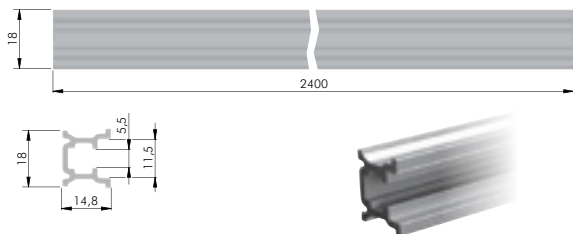


TRIADE MINI AND TRIADE ALUMINIUM PROFILE

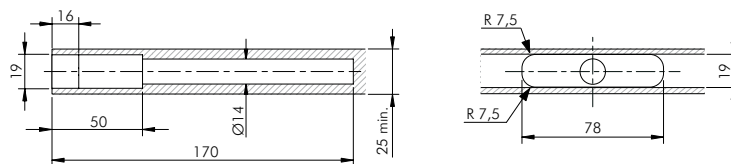
Aluminium.

Ⓢ On demand

• To be cut by the customer.



DRILLING PLAN FOR THE APPLICATION WITH TRIADE MINI

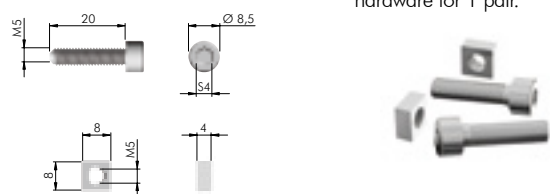


FIXING HARDWARE

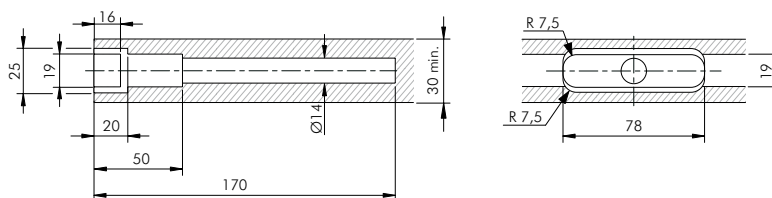
Steel zinc-plated.

Ⓢ On demand

• Set including fixing hardware for 1 pair.



DRILLING PLAN FOR THE APPLICATION WITH TRIADE



TRIADE MAXI AND TRIADE XXL ALU. PROFILE



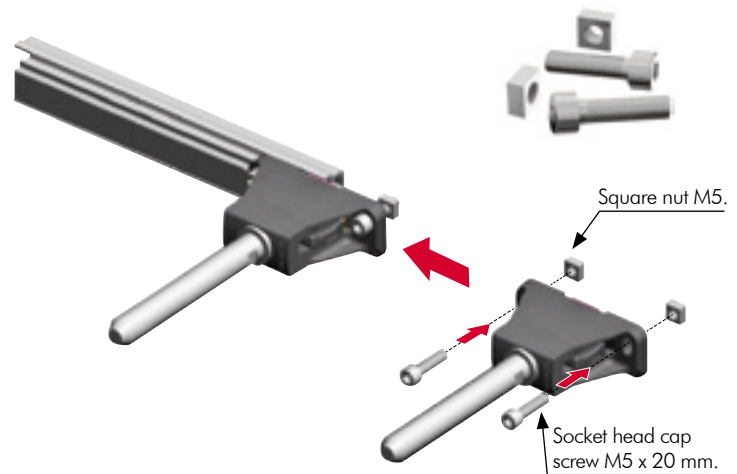
Application for wall with wooden studs and plasterboard

For further information: www.italianaferramenta.com > CATALOGUE > WOOD AND GLASS SHELVING SYSTEMS

TRIADE MAXI AND TRIADE XXL ALUMINIUM PROFILE

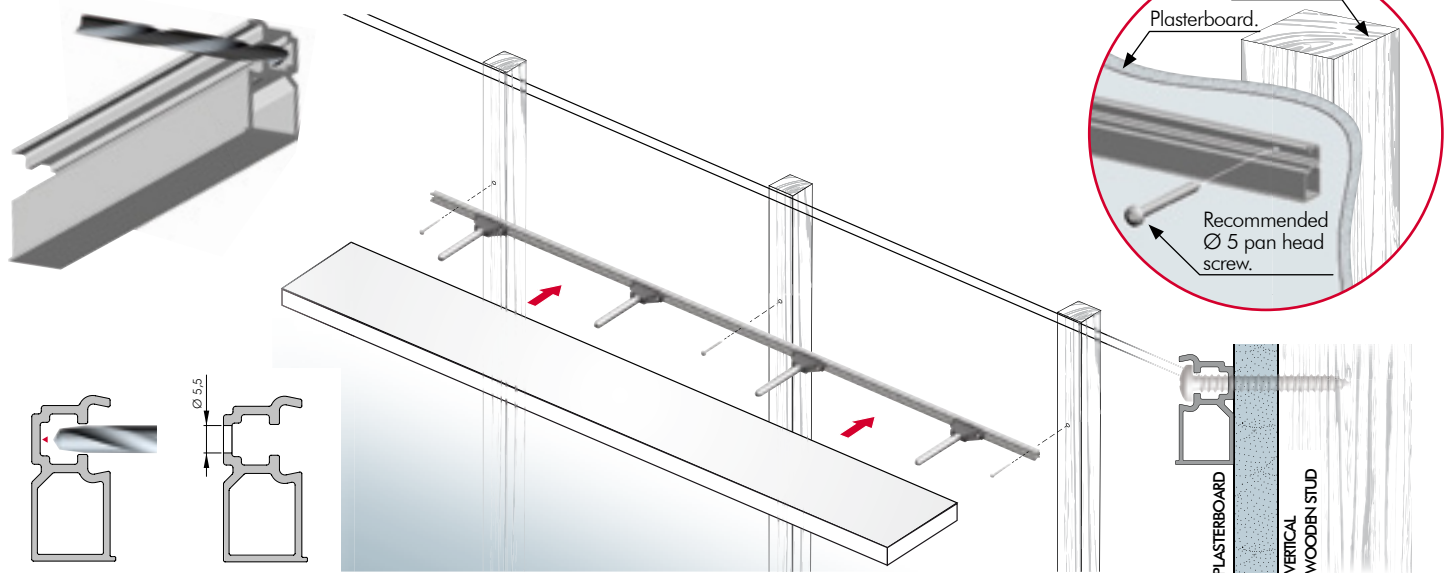


INSERTION INTO THE ALUMINIUM PROFILE



ALUMINIUM PROFILE DRILLING

INSTALLATION ON THE WALL AND SHELF INSERTING

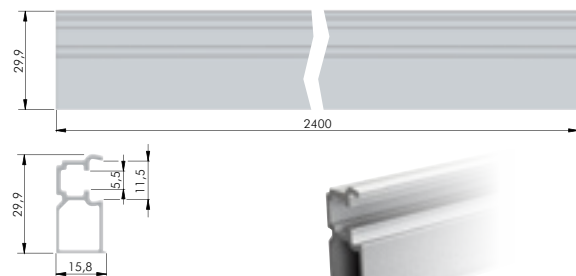


TRIADE MAXI AND TRIADE XXL ALUMINIUM PROFILE

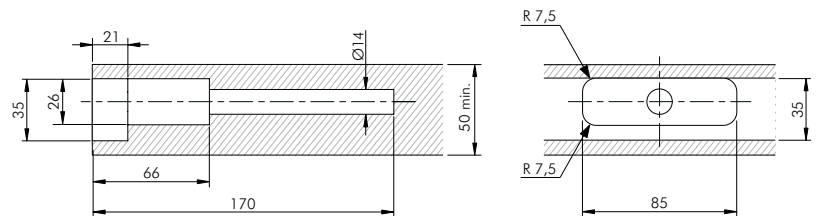
Aluminium.

On demand

To be cut by the customer.



DRILLING PLAN FOR THE APPLICATION WITH TRIADE MAXI

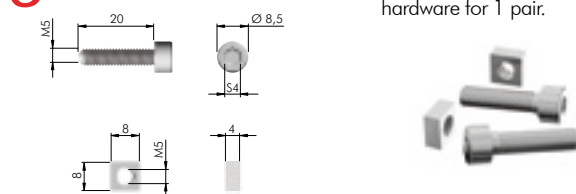


FIXING HARDWARE

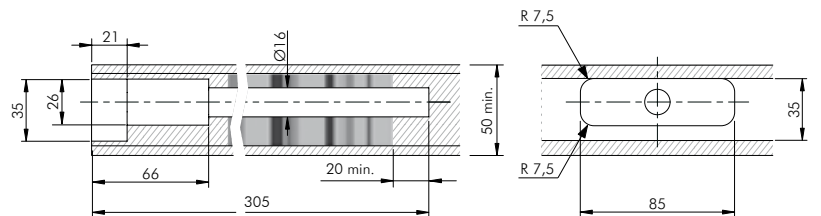
Steel zinc-plated.

On demand

Set including fixing hardware for 1 pair.

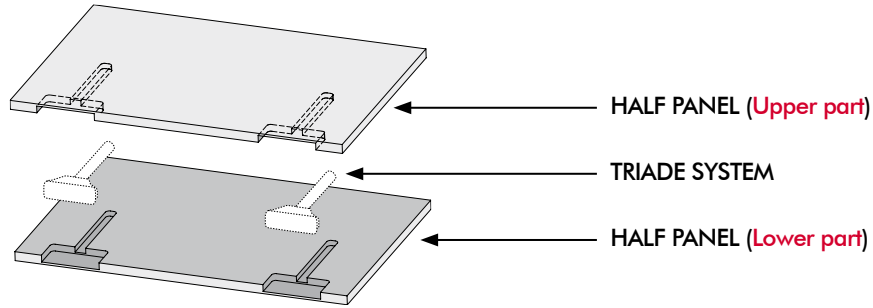


DRILLING PLAN FOR THE APPLICATION WITH TRIADE XXL



SANDWICH PANEL CONSTRUCTION

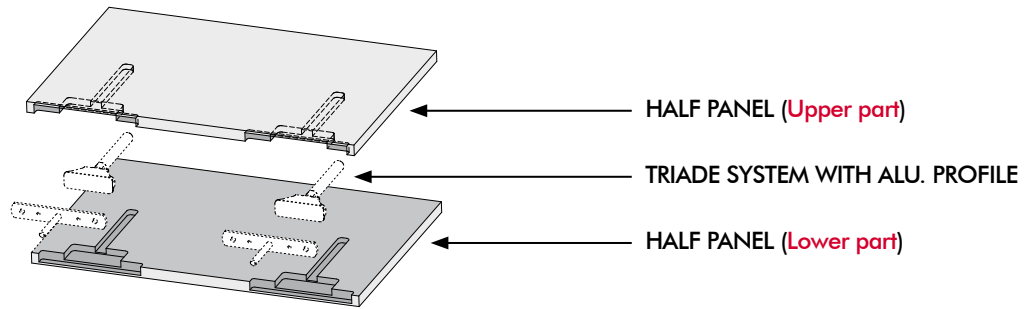
Triade System

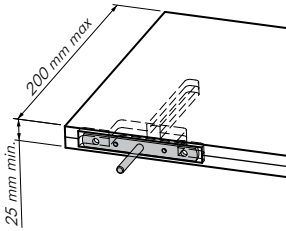
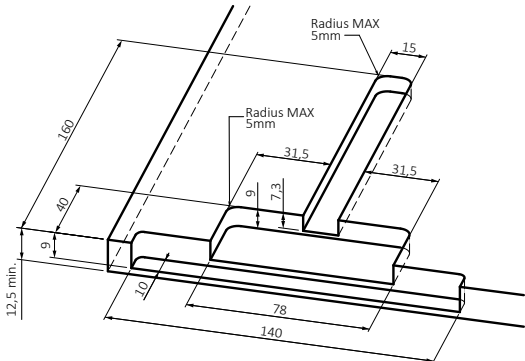
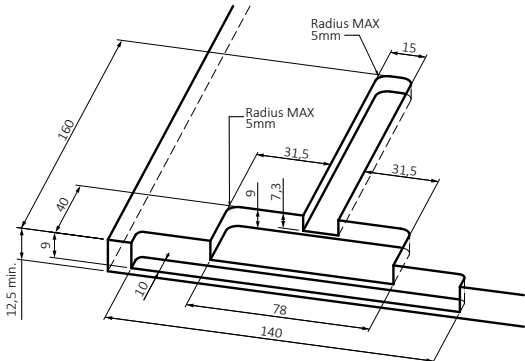
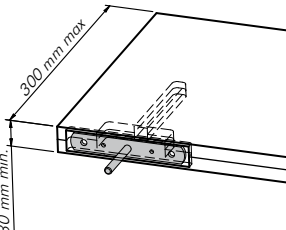
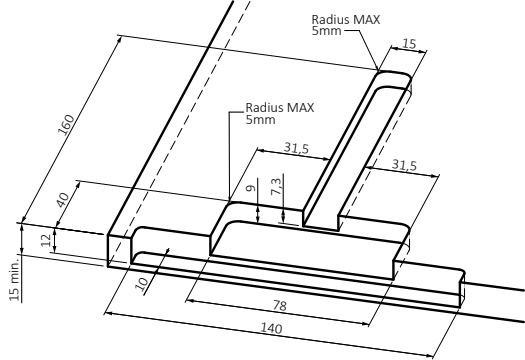
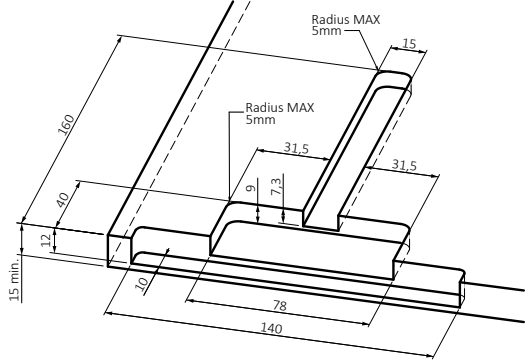
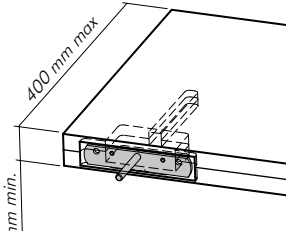
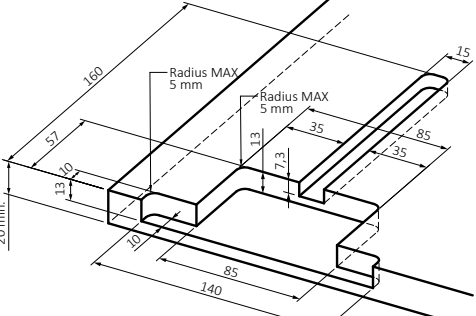
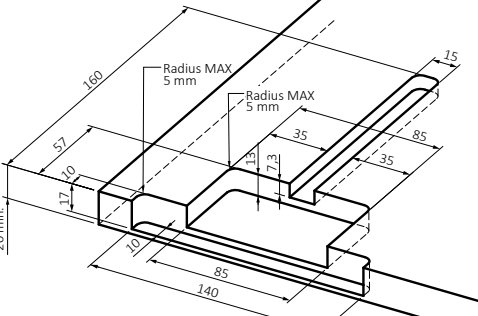
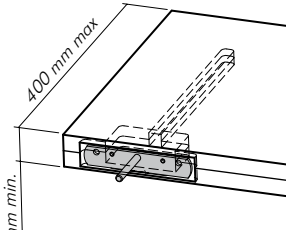
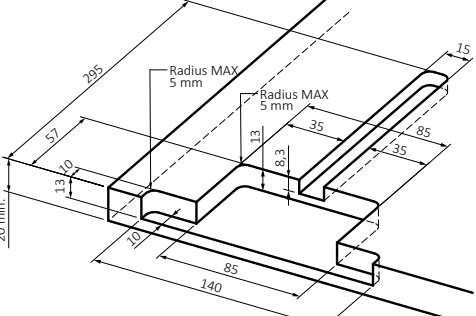
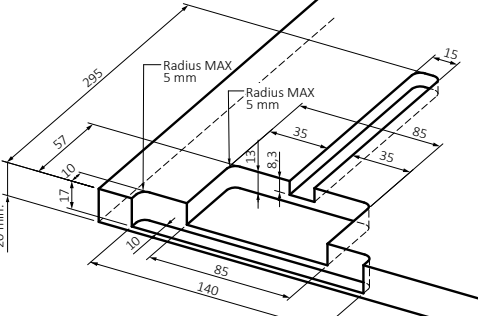


TRIADE VERSION	UPPER PART - Drilling plan	LOWER PART - Drilling plan
<p>TRIADE MINI</p>		
<p>TRIADE</p>		
<p>TRIADE MAXI</p>		
<p>TRIADE XXL</p>		

SANDWICH PANEL CONSTRUCTION

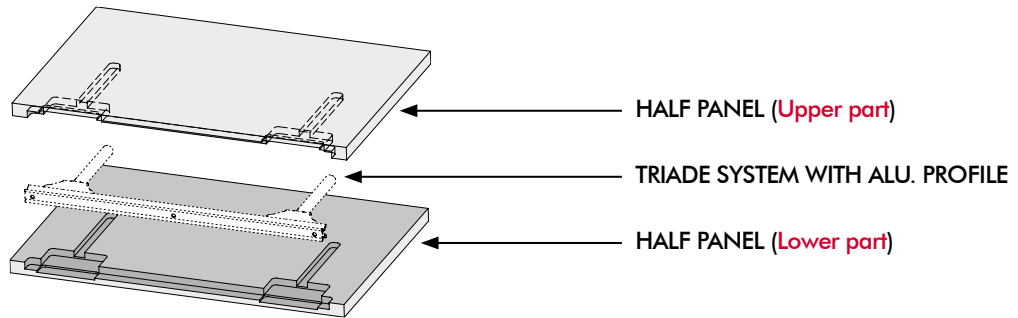
Triade System with bracket



TRIADE VERSION	UPPER PART - Drilling plan	LOWER PART - Drilling plan
<p>TRIADE MINI + ALU. PROFILE</p>  <p>200 mm max 25 mm min.</p>	 <p>Radius MAX 5mm 15 31,5 31,5 9 7,3 10 78 140 40 12,5 min.</p>	 <p>Radius MAX 5mm 15 31,5 31,5 9 7,3 10 78 140 40 12,5 min.</p>
<p>TRIADE + ALU. PROFILE</p>  <p>300 mm max 30 mm min.</p>	 <p>Radius MAX 5mm 15 31,5 31,5 12 7,3 10 78 140 40 15 min.</p>	 <p>Radius MAX 5mm 15 31,5 31,5 12 7,3 10 78 140 40 15 min.</p>
<p>TRIADE MAXI + ALU. PROFILE</p>  <p>400 mm max 40 mm min.</p>	 <p>Radius MAX 5mm 15 35 85 13 7,3 10 85 140 57 20 min.</p>	 <p>Radius MAX 5mm 15 35 85 13 7,3 10 85 140 57 20 min.</p>
<p>TRIADE XXL + ALU. PROFILE</p>  <p>400 mm max 40 mm min.</p>	 <p>Radius MAX 5mm 15 35 85 13 7,3 10 85 140 57 20 min.</p>	 <p>Radius MAX 5mm 15 35 85 13 7,3 10 85 140 57 20 min.</p>

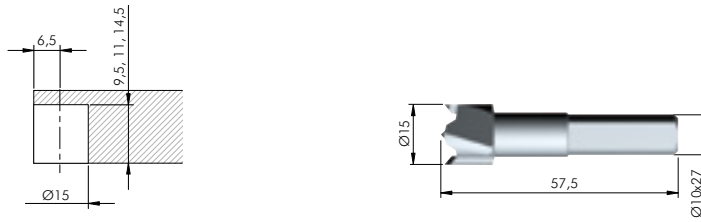
SANDWICH PANEL CONSTRUCTION

Triade System with alu. profile

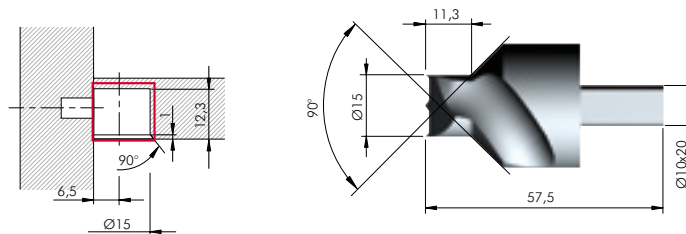


TRIADE VERSION	UPPER PART - Drilling plan	LOWER PART - Drilling plan
<p>TRIADE MINI + ALU. PROFILE</p>		
<p>TRIADE + ALU. PROFILE</p>		
<p>TRIADE MAXI + ALU. PROFILE</p>		
<p>TRIADE XXL + ALU. PROFILE</p>		

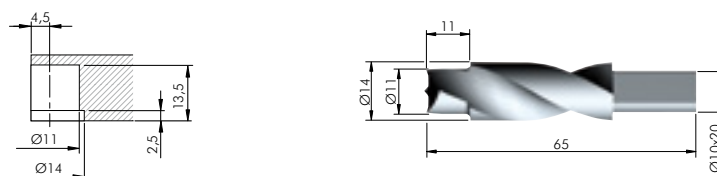
ITEM 120 | **DRILL BIT FOR FLIPPER**
 FINISH | HIGH SPEED STEEL | RIH2074



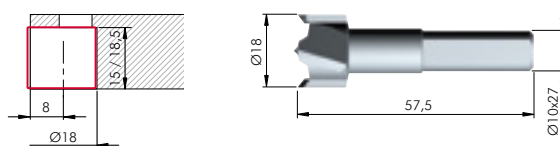
ITEM 140 | **DRILL BIT FOR UNICO**
 FINISH | HIGH SPEED STEEL | RIH2082



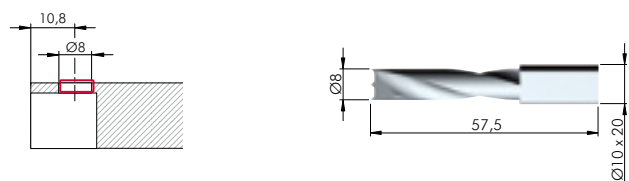
ITEM 143 | **DRILL BIT FOR MAORI 16 mm MINIMUM THICK**
 FINISH | HIGH SPEED STEEL RIGHT VERSION | RIH2120
 LEFT VERSION | On Demand



ITEM 137 | **DRILL BIT PK2 16, 18, 19 AND 25 mm MINIMUM THICK**
 FINISH | HIGH SPEED STEEL | RIH2079

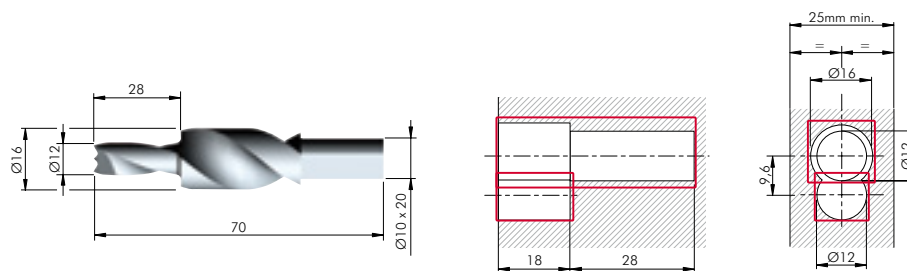


PART.NO
 1145202000
 On Demand



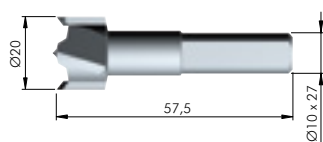
SECRET SHELF SUPPORT

PART.NO	
1220103000	R
1220104000	L

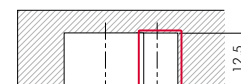
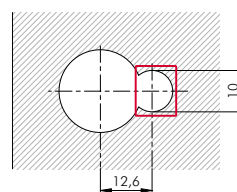
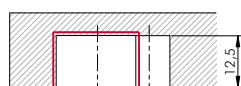
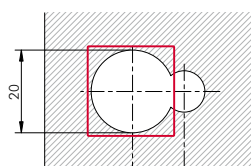
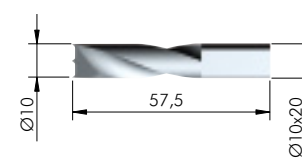


SECRET SIDE BUSH

PART.NO
1220102000

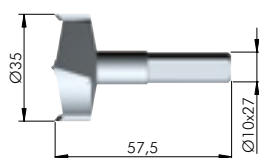
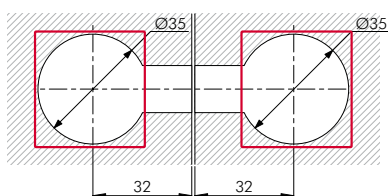


PART.NO
1220101000

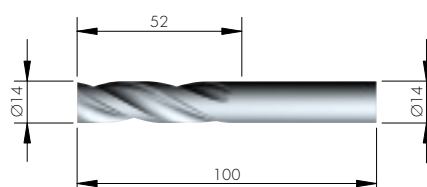
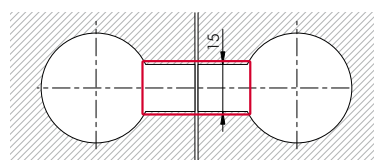


QUICK Ø35

PART.NO
3175201000



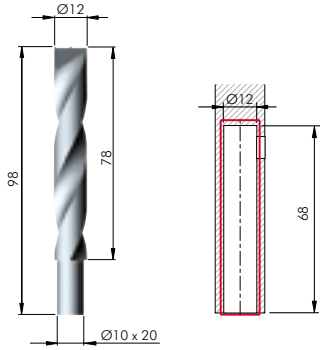
PART.NO
1621454000



REKORD 12 H 52 mm

PART.NO

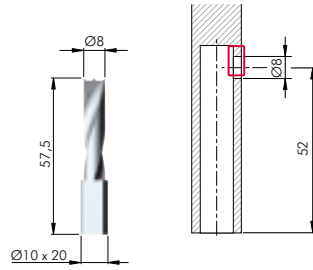
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REKORD 12 H 52 mm

PART.NO

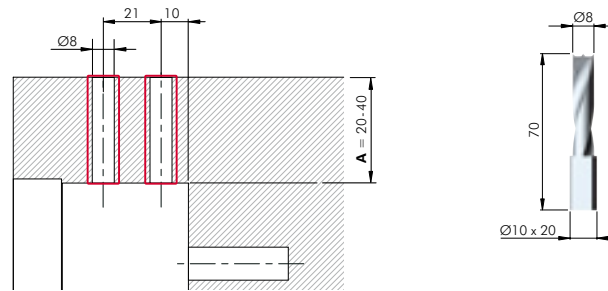
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LIKU

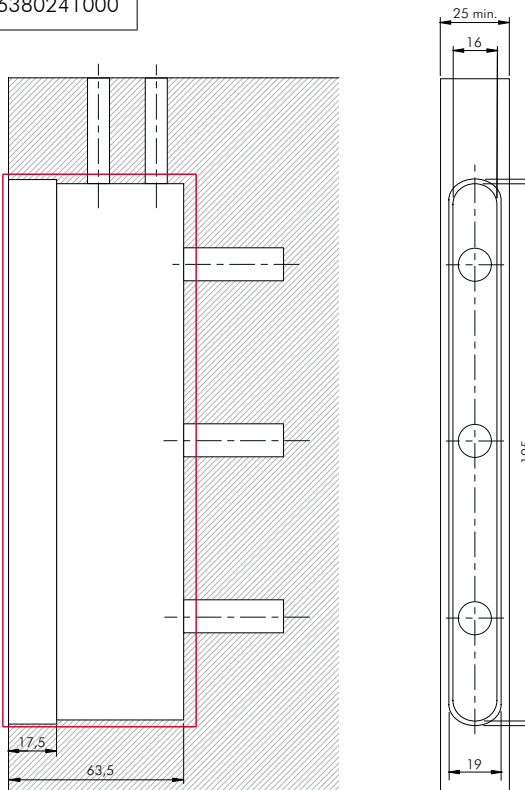
PART.NO

6380243000



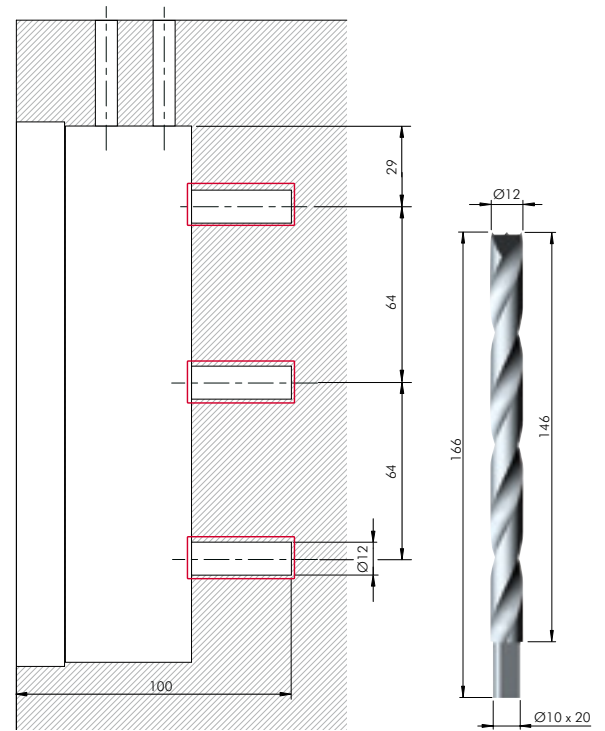
PART.NO

6380241000



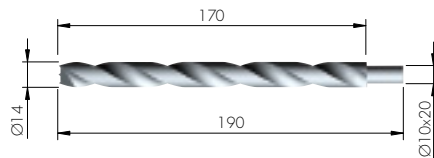
PART.NO

3030152000

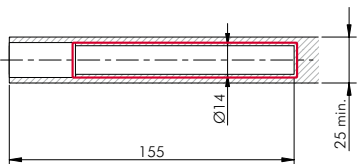


TRIADE MINI, TRIADE, TRIADE MAXI AND BRACKET

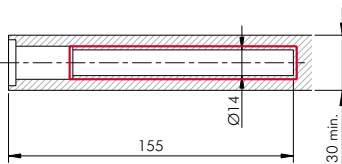
PART.NO
1621452000



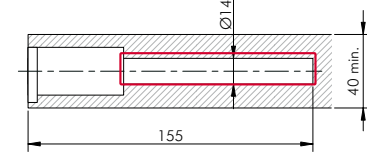
Triade Mini



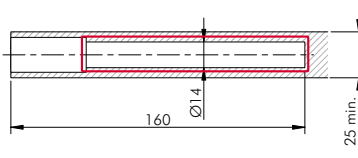
Triade



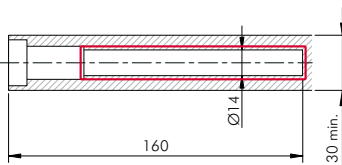
Triade Maxi



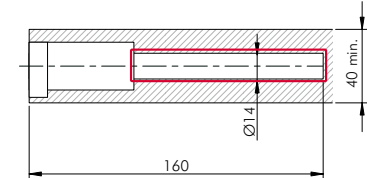
Triade Mini and bracket



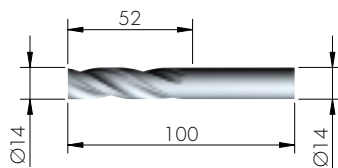
Triade and bracket



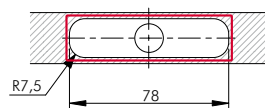
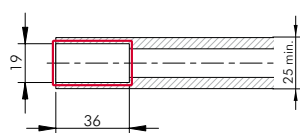
Triade Maxi and bracket



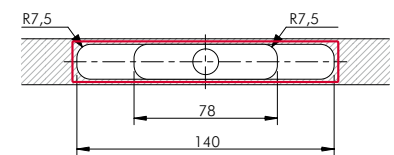
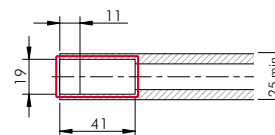
PART.NO
1621454000



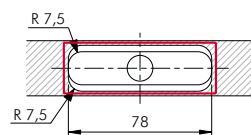
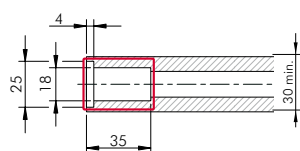
Triade Mini



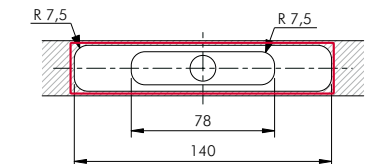
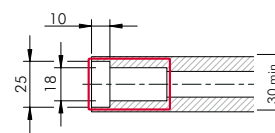
Triade Mini and bracket



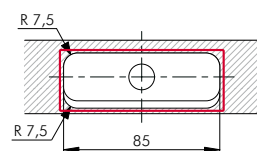
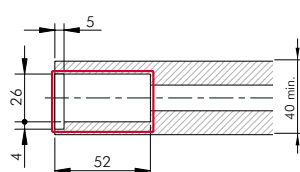
Triade



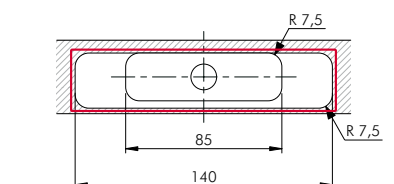
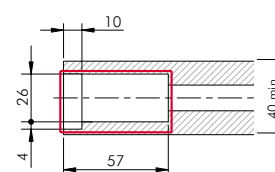
Triade and bracket



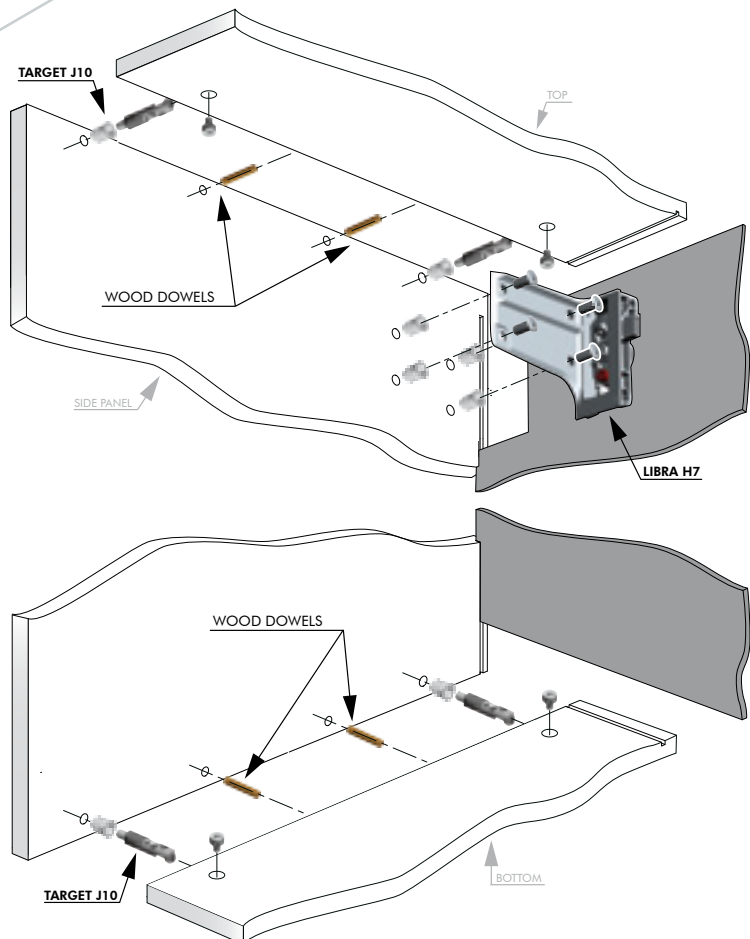
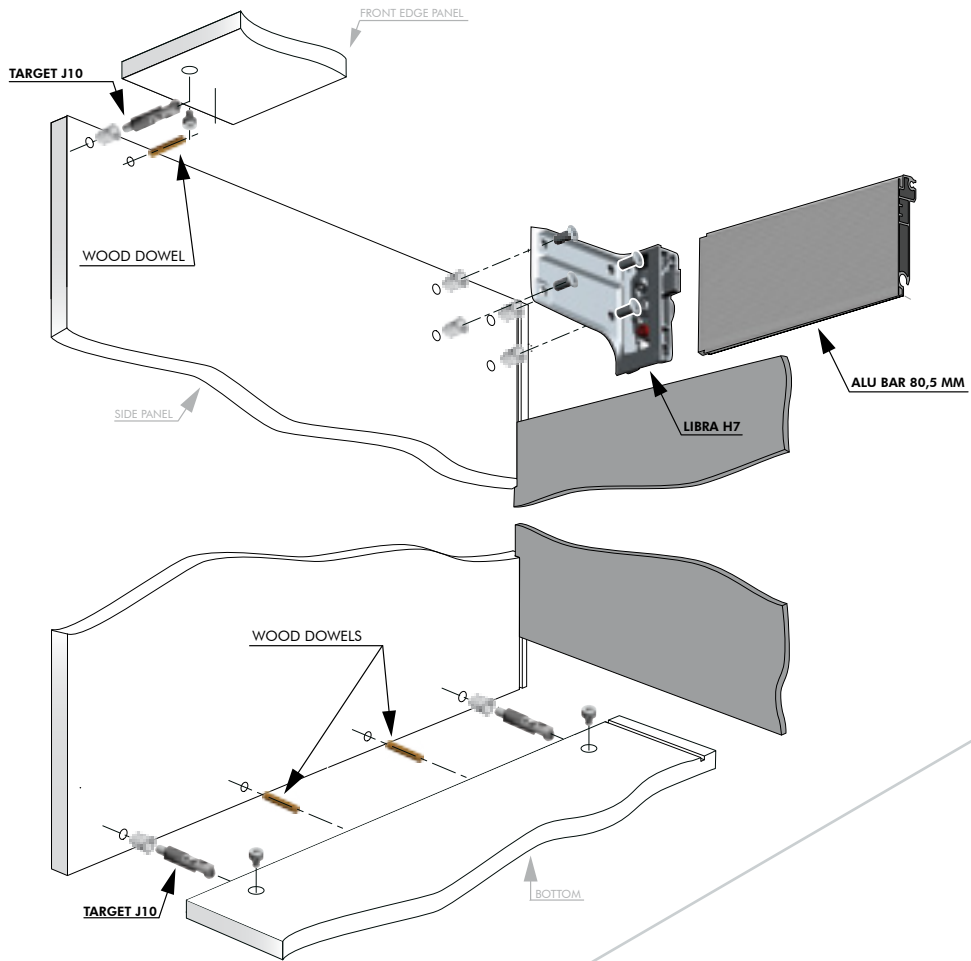
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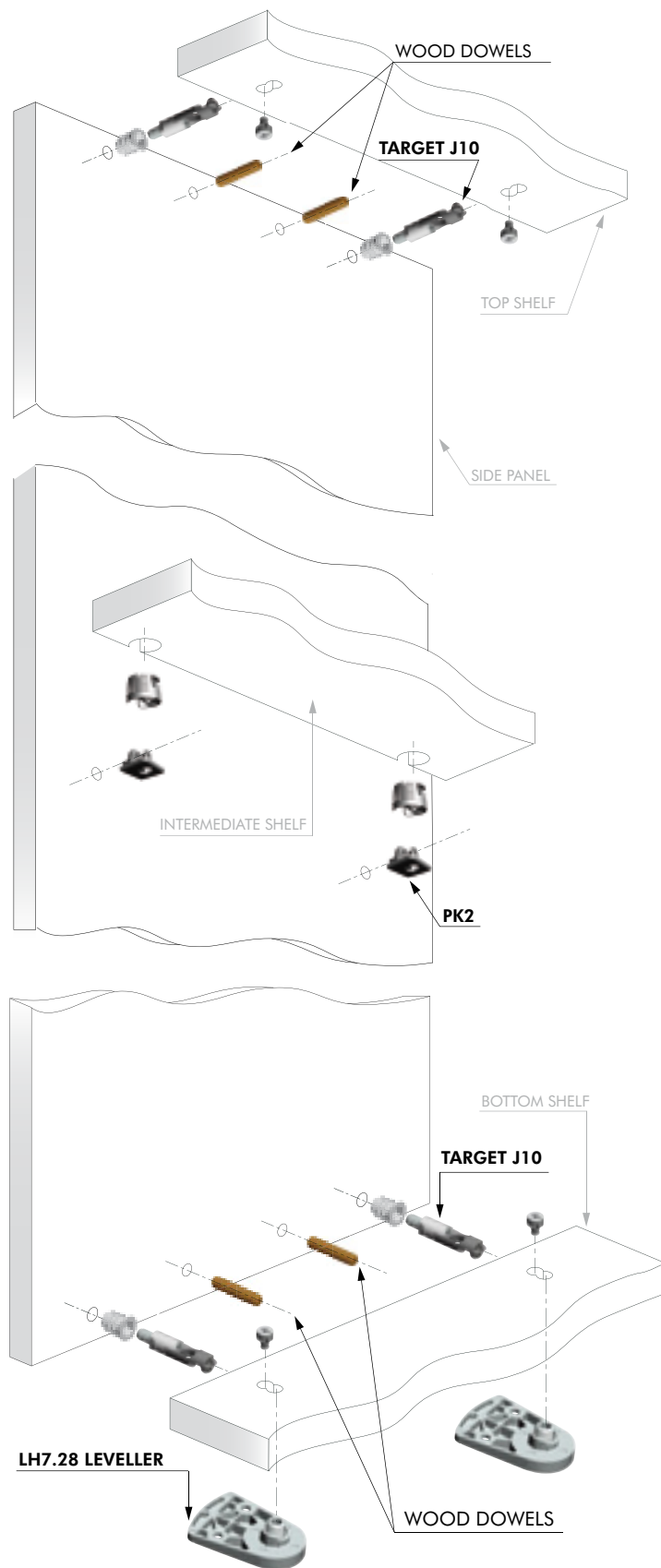
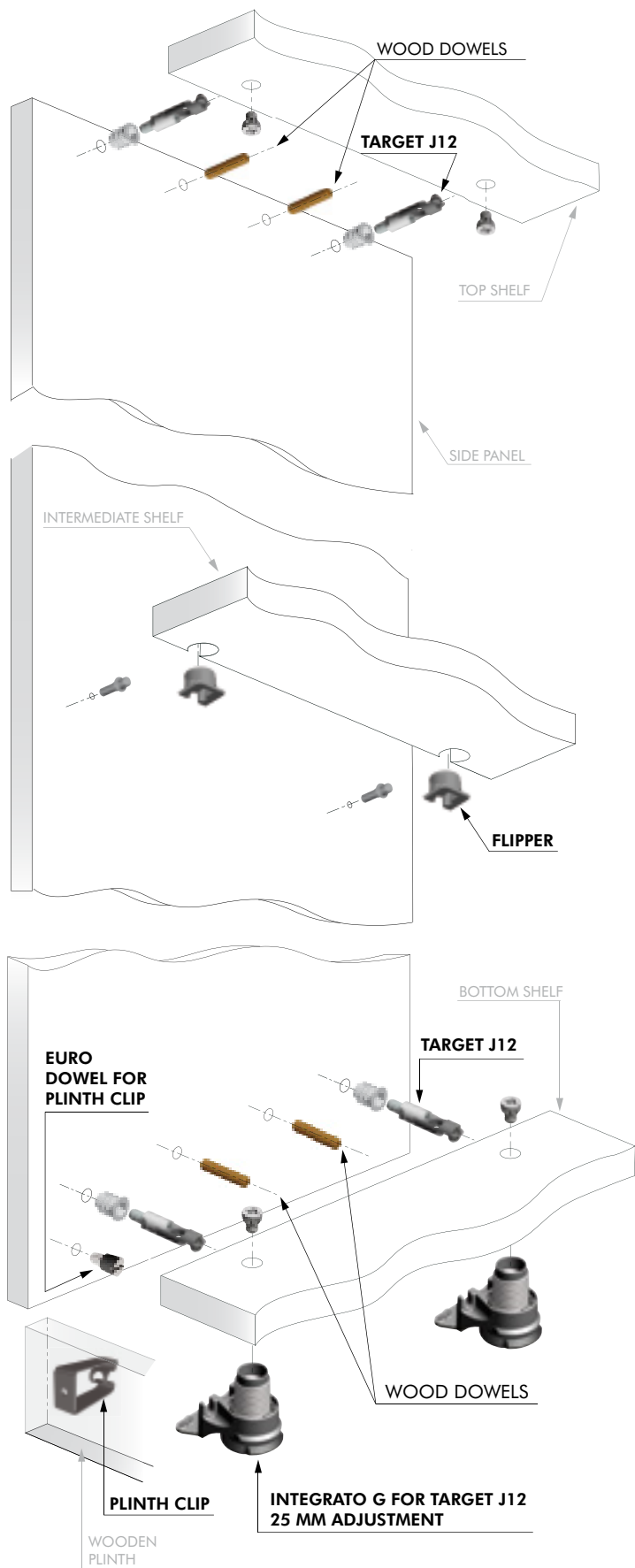
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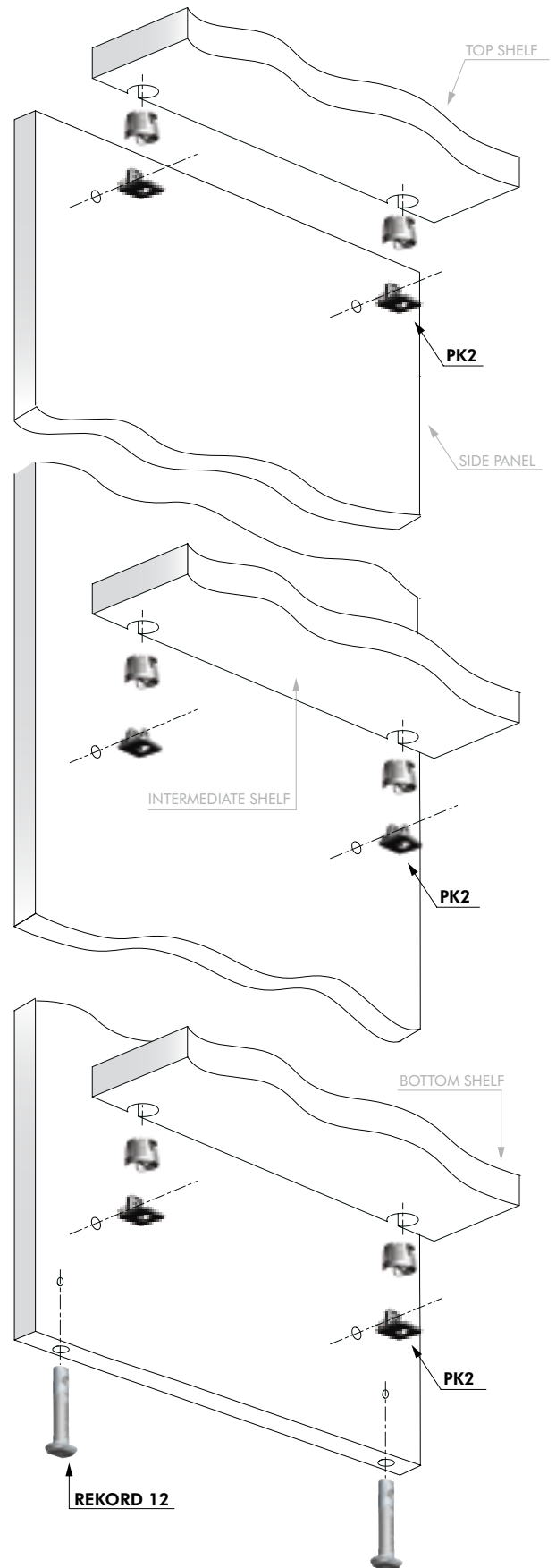
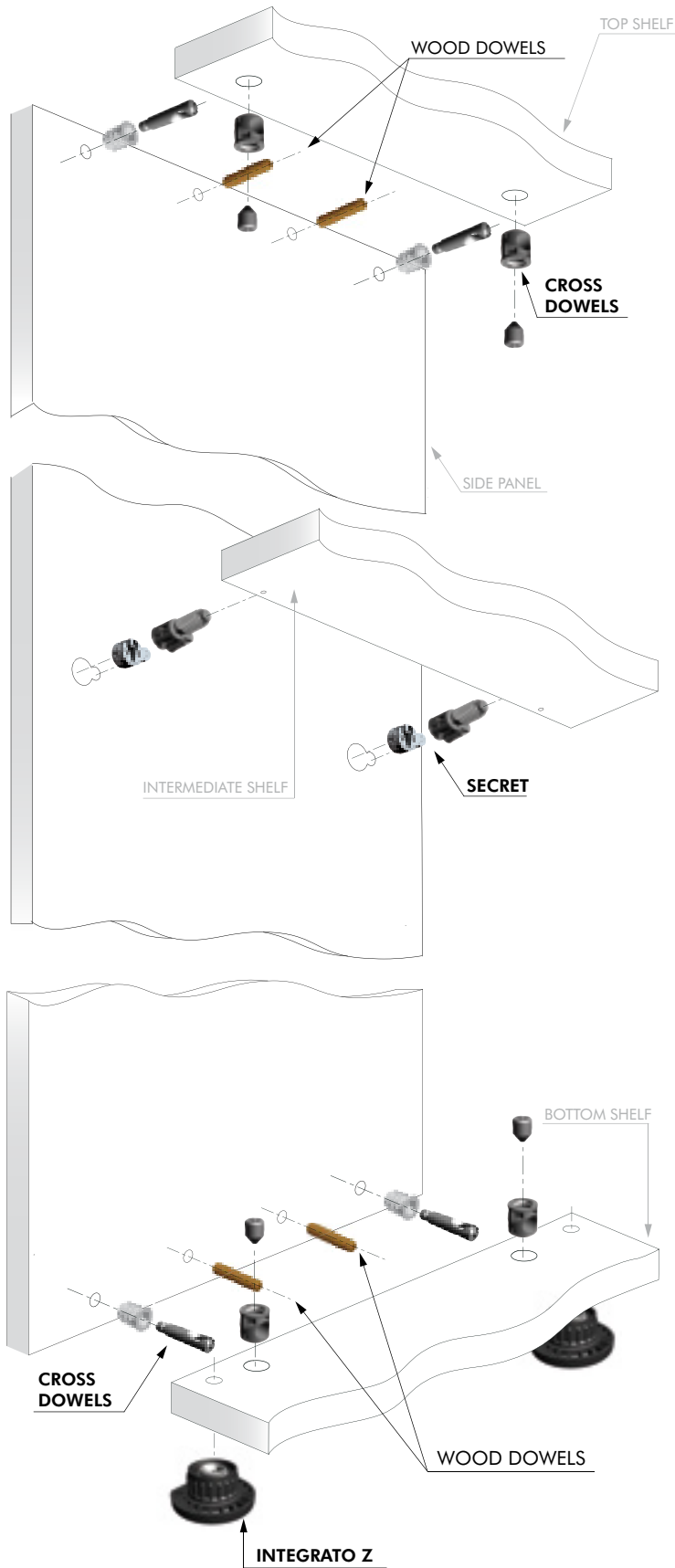
BASE UNIT CONSTRUCTION PROPOSALS

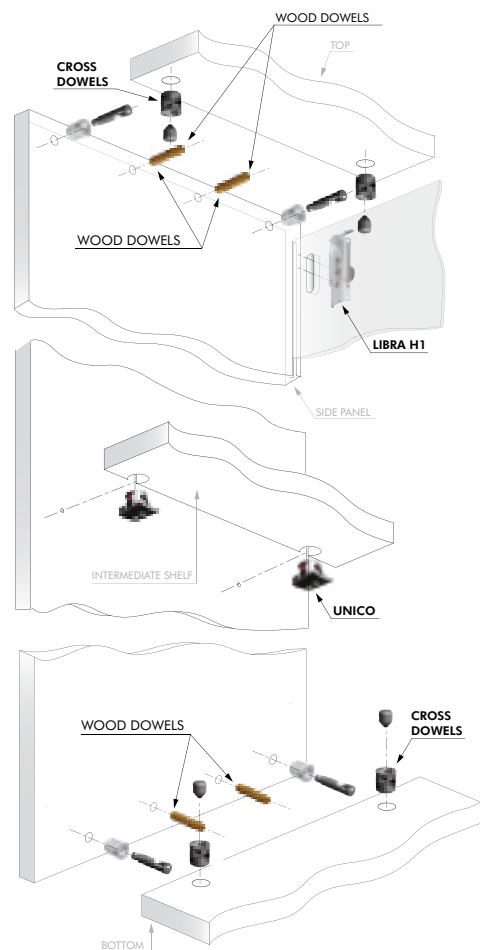
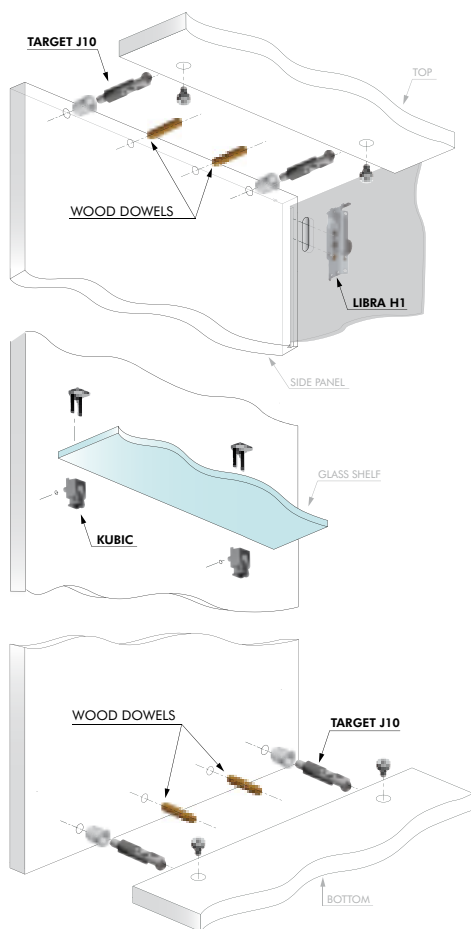
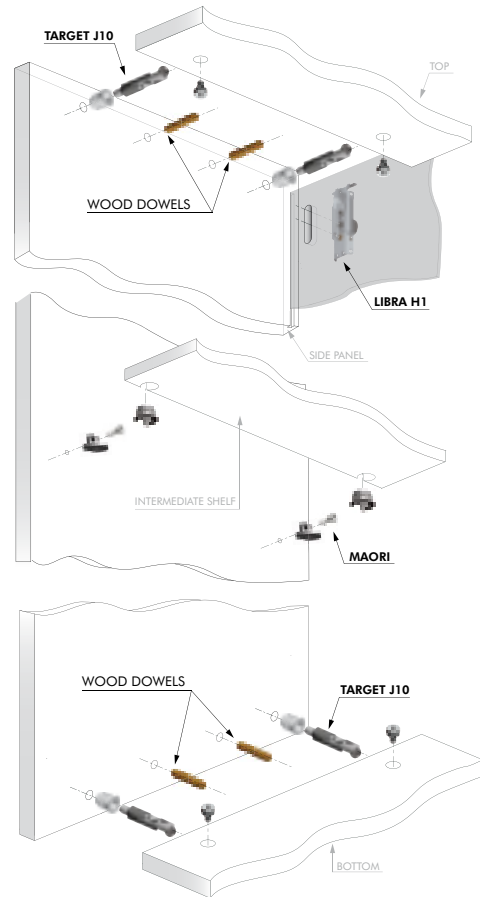
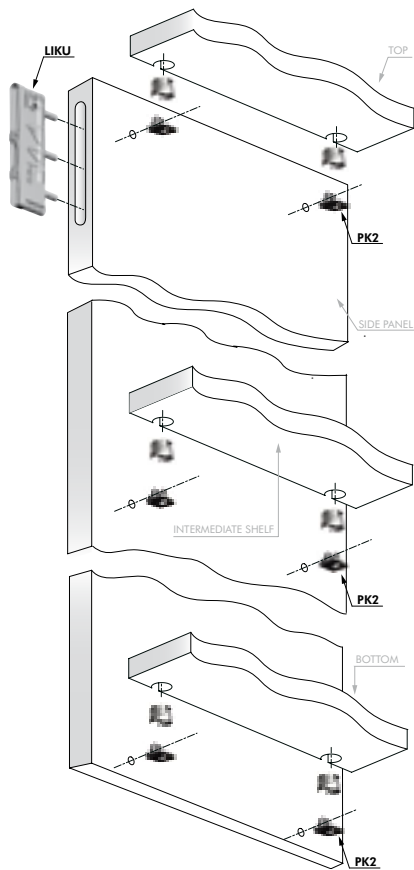


TALL UNIT CONSTRUCTION PROPOSALS



TALL UNIT CONSTRUCTION PROPOSALS







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The logo for FFA FITTINGS FOR AFRICA, featuring a red silhouette of the African continent on the left, with a stylized wrench and screwdriver crossed over it. To the right, the letters 'FFA' are in a large, bold, black font, with 'FITTINGS FOR AFRICA' in a smaller font below it.

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