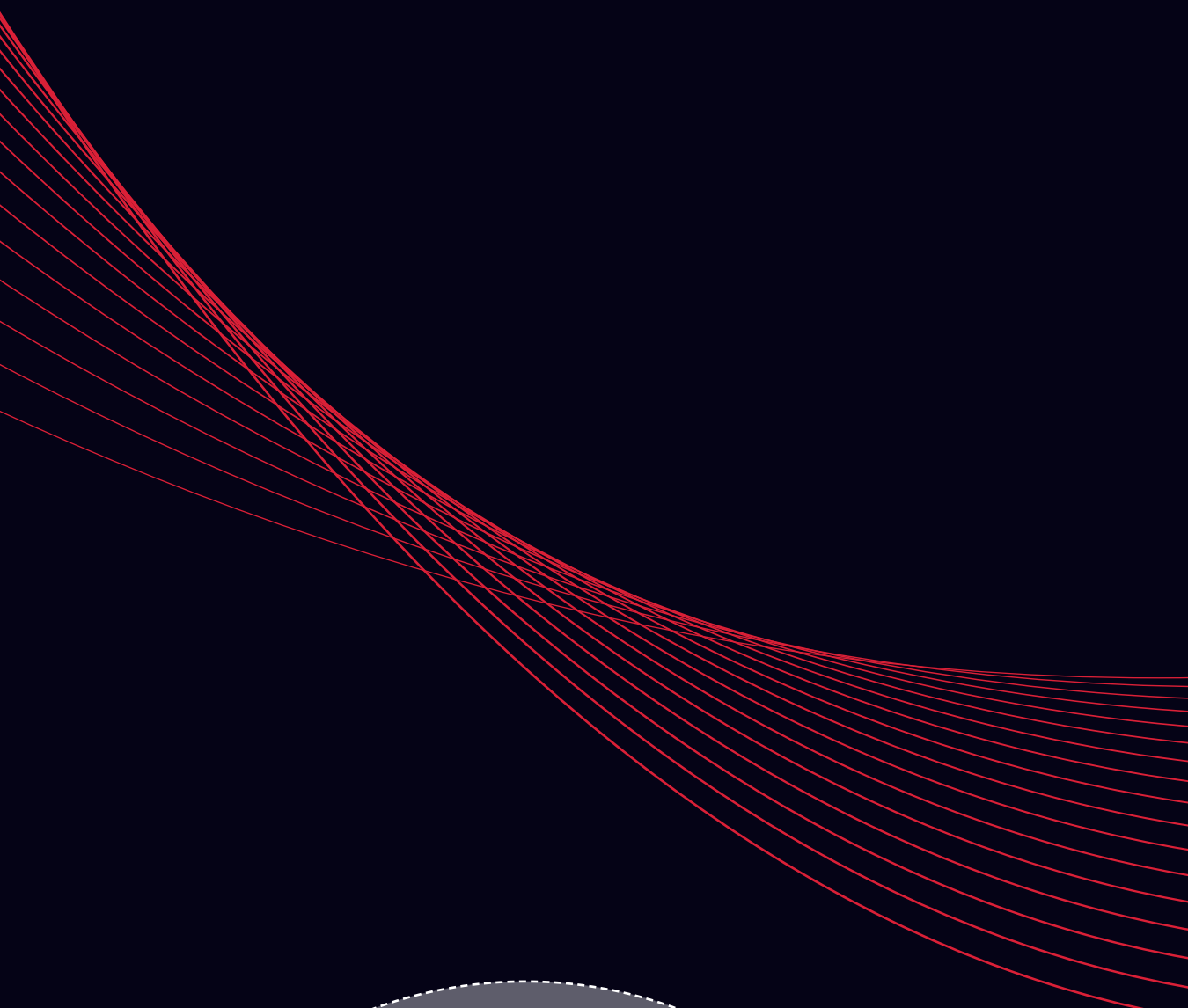


LIBRA CH



HANGERS





SYMBOLS AND FINISHES LEGEND

SYMBOLS



= SHELF SAFELY LOCKED DURING TRANSPORTATION AND AT HOME.



= ANTI-TURNOVER LOCKING SYSTEM



= NORMS / PATENTS



= PHILLIPS / POZIDRIV



= NEWTON



= PART.NO



= HEXAGONAL SOCKET



= FRICTION



= PCS. PER PACKAGE



= BLADE SLOT



= AUTOMATIC



= COMBI SLOT



= DROP DOWN



= CAPACITY LOADING



= COUNTERSUNK HEAD



= WOOD / GLASS THICKNESS



= PAN HEAD



= STANDARD HINGE



= HOLE DIAMETER



= FLANGE HEAD



= KIMANA HINGE



= DIAMETER



= FLAT HEAD



= FLAP HINGE



= LENGTH



= TRILOBULAR SCREW



= WITH SPRING



= HEIGHT



= SELF-TAPPING SCREW



= WITHOUT SPRING



= RIGHT VERSION



= EURO THREAD



= REVERSED SPRING



= LEFT VERSION



= METRIC THREAD



= SETTING CODE



= PRE-INSERTED SCREW



= FOR ROUND TUBE



= PCS. PER PAD



= PRE-INSERTED SCREW AND SPREADING BUSH



= FOR OVAL TUBE



= CUT ON REQUEST



= WITH BUFFER



= SELF ADHESIVE



= WITH MAGNET



= WITH FLANGE

NOTE: Printing errors and omissions may exist despite our best efforts to ensure accuracy. We reserve the right to alter specifications without notice.

MATERIALS

| | | | | |
|--|---------------------------------|-------------------------------|-------------------|--|
| ZA = Zinc Alloy | ST = Steel | HSS = High Speed Steel | BR = Brass | ABS = Acrylonitrile Butadiene Styrene |
| ZAnk = Nickel-plated Zinc Alloy | STzk = Zinc-plated Steel | AL = Aluminium | WD = Wood | EVA = Ethylene Vinyl Acetate |

EP = **ENGINEERING PLASTIC**

+ **EP** = other engineering plastic available on request

SR = **SOFT RUBBER**

+ **SR** = other soft rubber available on request

| | | |
|---|--|----------------------------------|
| EPn = Natural Engineering Plastic | EPc = Clear Engineering Plastic | SRn = Natural Soft Rubber |
| EPw = White Engineering Plastic | EPg = Grey Engineering Plastic | SRw = White Soft Rubber |
| EPwg = Water Green Engineering Plastic | | SRb = Black Soft Rubber |



FINISHES



+ = OTHER FINISHES AVAILABLE ON REQUEST

| PART. NO | FINISHES | PART. NO | FINISHES | PART. NO | FINISHES |
|----------|---------------|----------|--------------------------|----------|------------------------------|
| AA | Natural | JB | Bright Aluminium | QB | Walnut |
| AB | White | JC | Aluminium - Chrome | RO | Red |
| AC | Opal White | JD | Matt Aluminium | UZ | T -Met |
| AE | White 9010 | JE | Satin-finished Aluminium | WA | Bronzed |
| AK | Champagne | JF | Aluminium - Brass | WI | Burnished |
| AL | Ivory | JG | Aluminium 5 | XD | Satin-finished Steel |
| EA | Black | JL | Aluminium PE 11 | YA | Nickel-plated |
| EB | Glossy Black | JM | Aluminium RAL 9006 | YB | Bright Nickel-plated |
| EC | Matt Black | KA | Chrome | YC | Matt Nickel-plated |
| EE | Anthracite | KB | Bright Chrome | YD | Satin-finished Nickel-plated |
| FU | Gunmetal | KC | Matt Chrome | ZA | Zinc alloy |
| GR | Raw | MA | Brown | ZN | Zinc-plated |
| HA | Brass-Plated | MB | Light Brown 1 | ZQ | Bright Gold |
| HH | Tropicalized | NN | Metallic Beige | ZY | Titanium |
| HL | Raw Brass | NO | Beige | ZZ | Clear |
| IA | Grey | OA | Oak | 00 | Insignificant finish |
| IB | Metallic Grey | OZ | Ash | | |
| IF | Middle Grey | PA | Light Ash | | |
| IJ | Light Grey | PZ | Beech | | |
| IL | Grey 20 | QA | Maple | | |

LIBRA CH

LIBRA CH is a hanging solution to be combined with a pair of standard cabinet hangers to be fixed to the side panels. It is recommended for wall-mounted suspended cabinets with heavy loads or particularly deep drawers.

LIBRA CH can be fixed to the top panel and to the bottom panel.

LIBRA CH features a mechanical sledge, a sliding element that facilitates the vertical adjustment as well as the in-depth adjustment.

The smooth movement guaranteed by the mechanical sledge allows the hanging screw, to easily adapt to vertical adjustments of the side hangers.

The hanging screw is hooked on the bar and follows the horizontal adjustments.

LIBRA CH features the patented **ANTI-TURNOVER** device.

order to hold the required load as well as the cabinet shape.
- Several hanging points facilitate the even load distribution of the cabinet on the wall bar.

- The fixing to both the bottom and the top allows the hanging to be more rigid and avoids any structural failure, especially in case of swinging loads or when deep drawers are opened.
- A more structural solidity is guaranteed.

The adjustment and the locking of the **ANTI-TURNOVER** bolt can be carried out from the inside of the cabinet by using a standard PZ2 screwdriver.

Steel, Aluminium, Zinc alloy and Engineering plastic according to related version.

PAT. PENDING



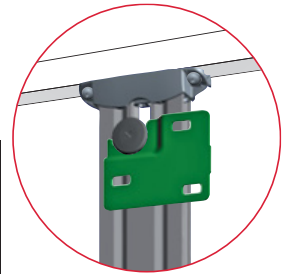
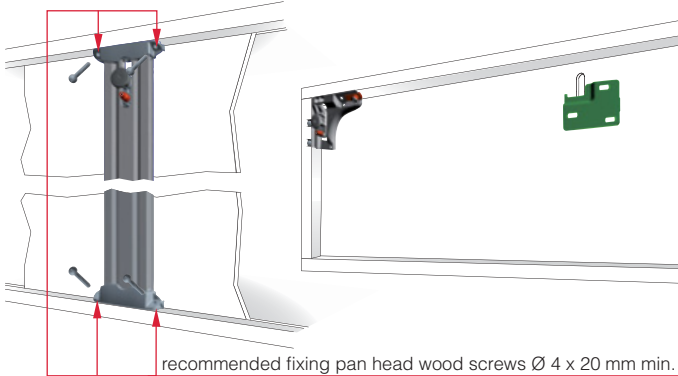
Benefits

- It is possible to use as many cabinet hangers as needed, in



APPLICATION

LIBRA CH to be cut on size flushing with both top and bottom panels.



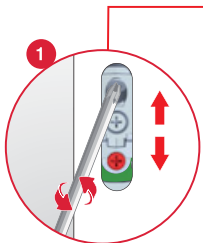
It is the responsibility of the customer:
- to ensure that the wall is of a suitable quality to hold the unit fixing in place.
- to use the proper hardware fittings according to the construction of the wall.

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

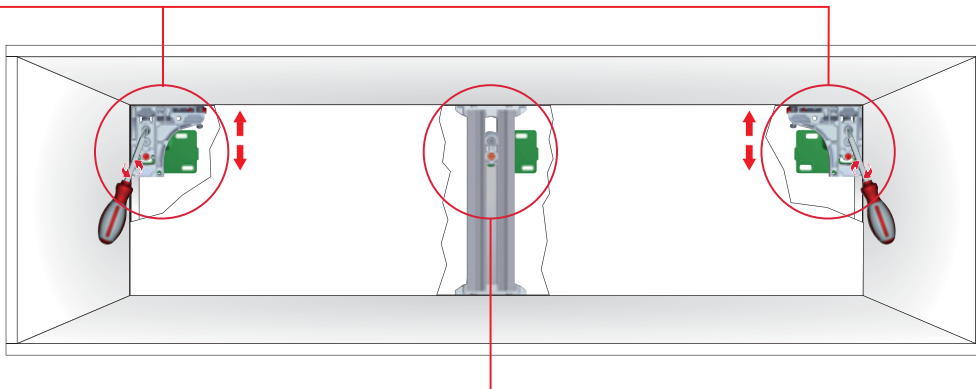
ADJUSTMENTS

Slots for cross PZ2 screwdriver

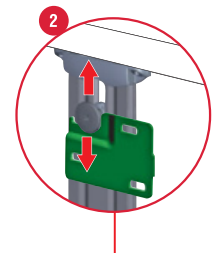
1 - VERTICAL ADJUSTMENT LIBRA H1-H2-H3-H6-H7 - 13 mm



Vertical adjustment to be carried out through both side hangers.



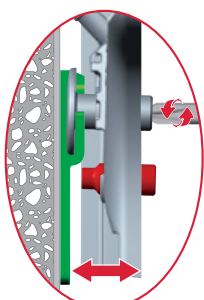
LIBRA CH consequently follows the vertical adjustment carried out through the side hangers.



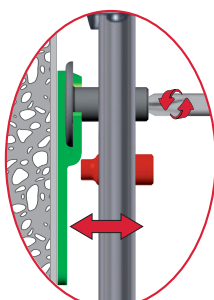
2 IN-DEPTH ADJUSTMENT
12 mm

3 ANTI-TURNOVER LOCKING

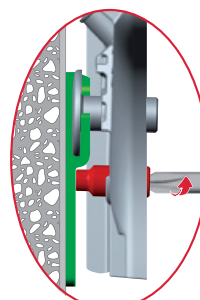
Stop screwing the red bolt when it touches the wall plate



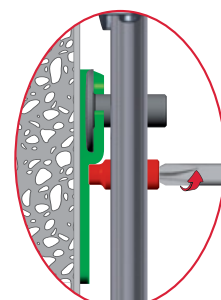
LIBRA H1-H2-H3-H6-H7



LIBRA CH



LIBRA H1-H2-H3-H6-H7

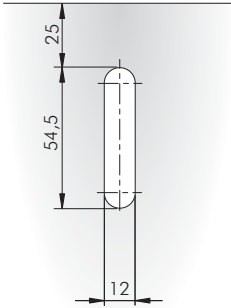


LIBRA CH

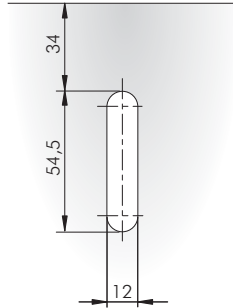


The present groove has to match the groove required by the cabinet hanger used.

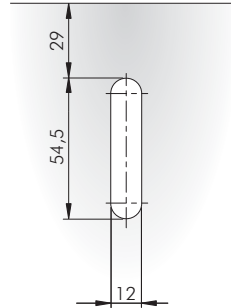
Drilling plan for the matching with LIBRA H1



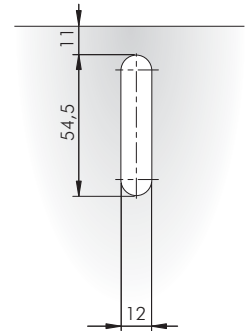
Drilling plan for the matching with LIBRA H2



Drilling plan for the matching with LIBRA H3

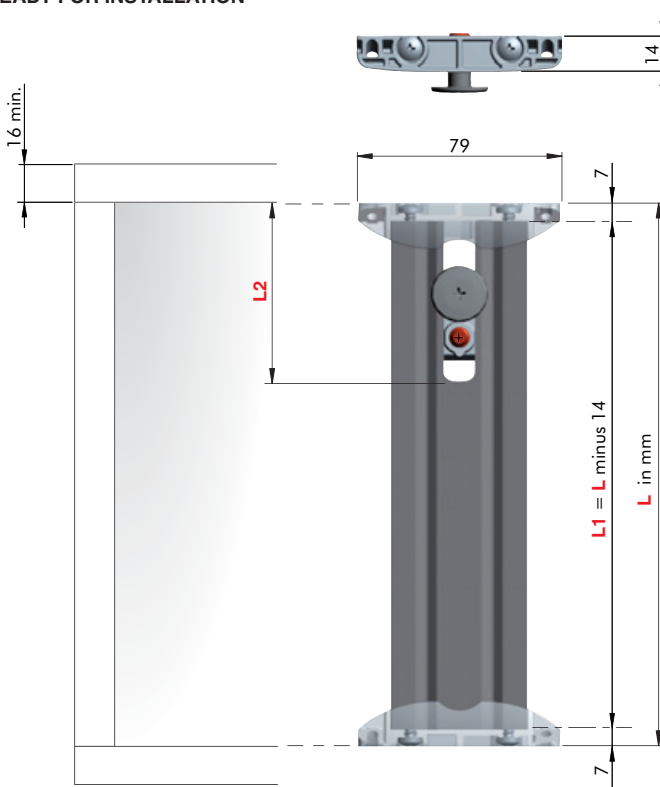


Drilling plan for the matching with LIBRA H6 - H7



LIBRA CH WITH BOTH UPPER AND LOWER END ELEMENTS PRE-MOUNTED

READY FOR INSTALLATION



L = Total CH including both upper and lower elements.

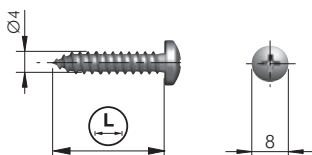


| | | | |
|----|-------|------|-----------|
| | = PZ2 | | = 25 pcs. |
| ZA | ST | AL | |
| | | | |
| 64 | Y | XXXX | 200 |

64 Y XXXX 200

L2 = "0" milling for LIBRA H6 - H7.
L2 = "1" milling for LIBRA H1, H2, H3.

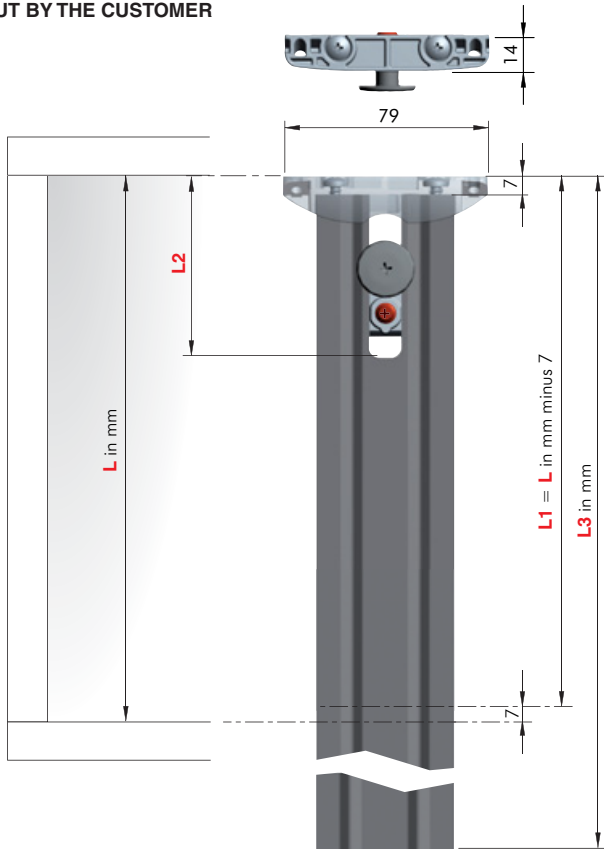
LIBRA CH FIXING ACCESSORY



| | | | | | |
|------------|--|----|--------------|--|---|
| | | | = PZ2 | | + |
| ST | | | = on request | | |
| | | | | | |
| 60103270ZN | | 20 | 16 | | |
| 60103280ZN | | 25 | 18 min. | | |

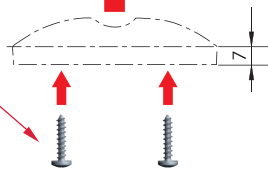
LIBRA CH WITH UPPER END ELEMENT PRE-MOUNTED (SEPARATE LOWER END ELEMENT)

TO BE CUT BY THE CUSTOMER



= PZ2
 ZA ST AL = 25 pcs.
 123
 64 Y XXXX 100

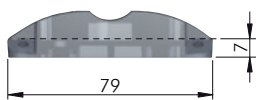
fixing pan head self-tapping screw $\varnothing 4,8 \times 22$ mm.



L3
64 Y XXXX 100

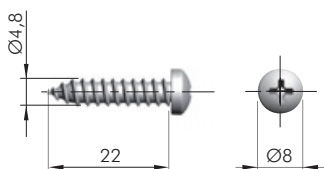
L2 = "0" milling for LIBRA H6 - H7.
L2 = "1" milling for LIBRA H1, H2, H3.

LOWER END ELEMENT



ZA = on request
 123
 64300000ZN

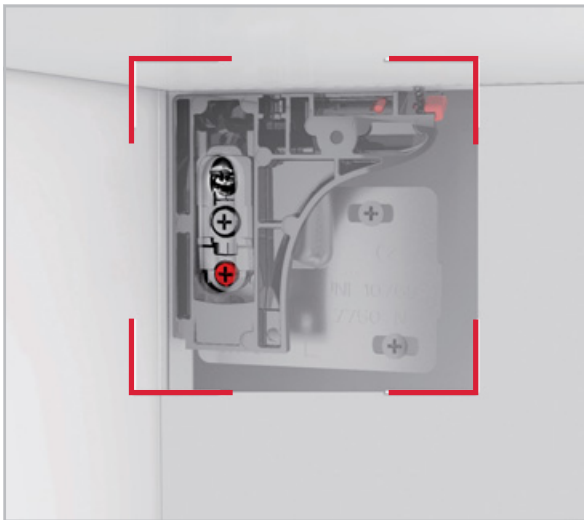
FIXING ACCESSORY FOR LOWER END ELEMENT PART.NO 64300000ZN



= PZ2 + = on request
 ST = on request
 123
 60203610ZN



LIBRA H6 and LIBRA CH LIVING SETTINGS



LIBRA H6



LIBRA CH

LIBRA H6 and LIBRA CH APPLICATIONS

BENEFITS OF LIBRA H6 AND LIBRA CH HANGING SYSTEMS:

- Vertical and in-depth adjustments, as well as the locking of the cabinet, can be easily and smoothly carried out from the inside.
- The hanging system is never interfering with the slides for drawers as it is placed behind the back panel.
- Absolutely no mills, drillings or grooves required inside the cabinet.

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. It is recommended to use chipboard panels. For MDF panels please contact us for further information concerning the screw fixing.

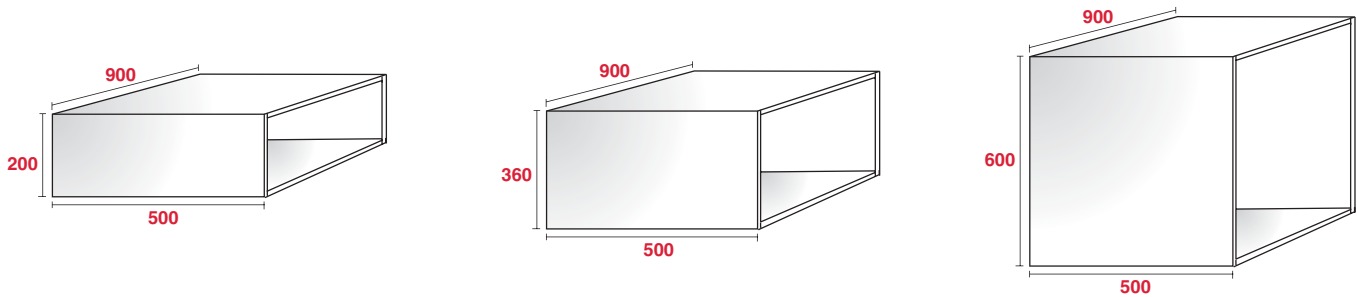
- the type and dimensions of the screws used.

- the actual positioning, depth and width of the groove milled for the back side installation.

- the capacity loading of the drawer slides used as well as the actual construction of the drawer.

We always recommend to test a complete cabinet.

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



| FURNITURE TYPE | CAPACITY LOADING | |
|------------------|------------------|-----------------------|
| | LIBRA H6 | LIBRA H6 + 1 LIBRA CH |
| Cabinet | 100 Kg | 150 Kg |
| Cabinet + drawer | 70 Kg + 30 Kg | 120 Kg + 30 Kg |

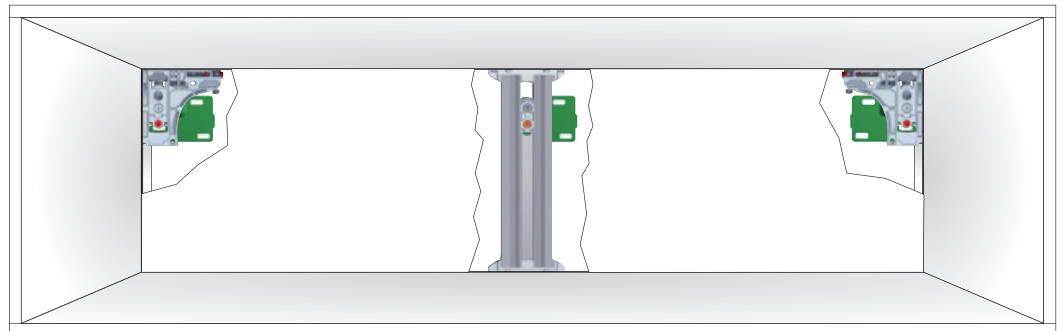
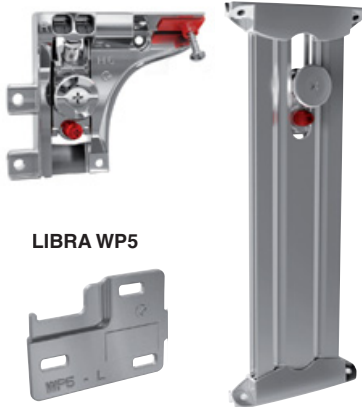
| FURNITURE TYPE | CAPACITY LOADING | |
|------------------|------------------|-----------------------|
| | LIBRA H6 | LIBRA H6 + 1 LIBRA CH |
| Cabinet | 180 Kg | 230 Kg |
| Cabinet + drawer | 150 Kg + 30 Kg | 180 Kg + 50 Kg |

| FURNITURE TYPE | CAPACITY LOADING | |
|------------------|------------------|-----------------------|
| | LIBRA H6 | LIBRA H6 + 1 LIBRA CH |
| Cabinet | 200 Kg | 230 Kg |
| Cabinet + drawer | 170 Kg + 30 Kg | 170 Kg + 50 Kg |

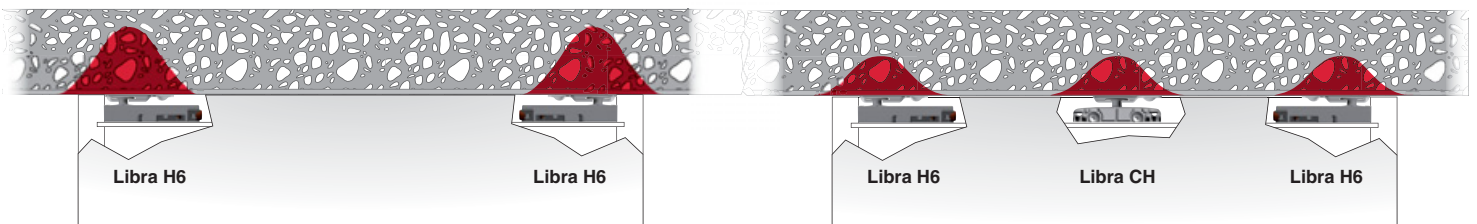
The reported data, empirically obtained, exclusively refer to the constructions and examples shown, correctly positioned and assembled by using WP5 wall plate.

LIBRA H6

LIBRA CH



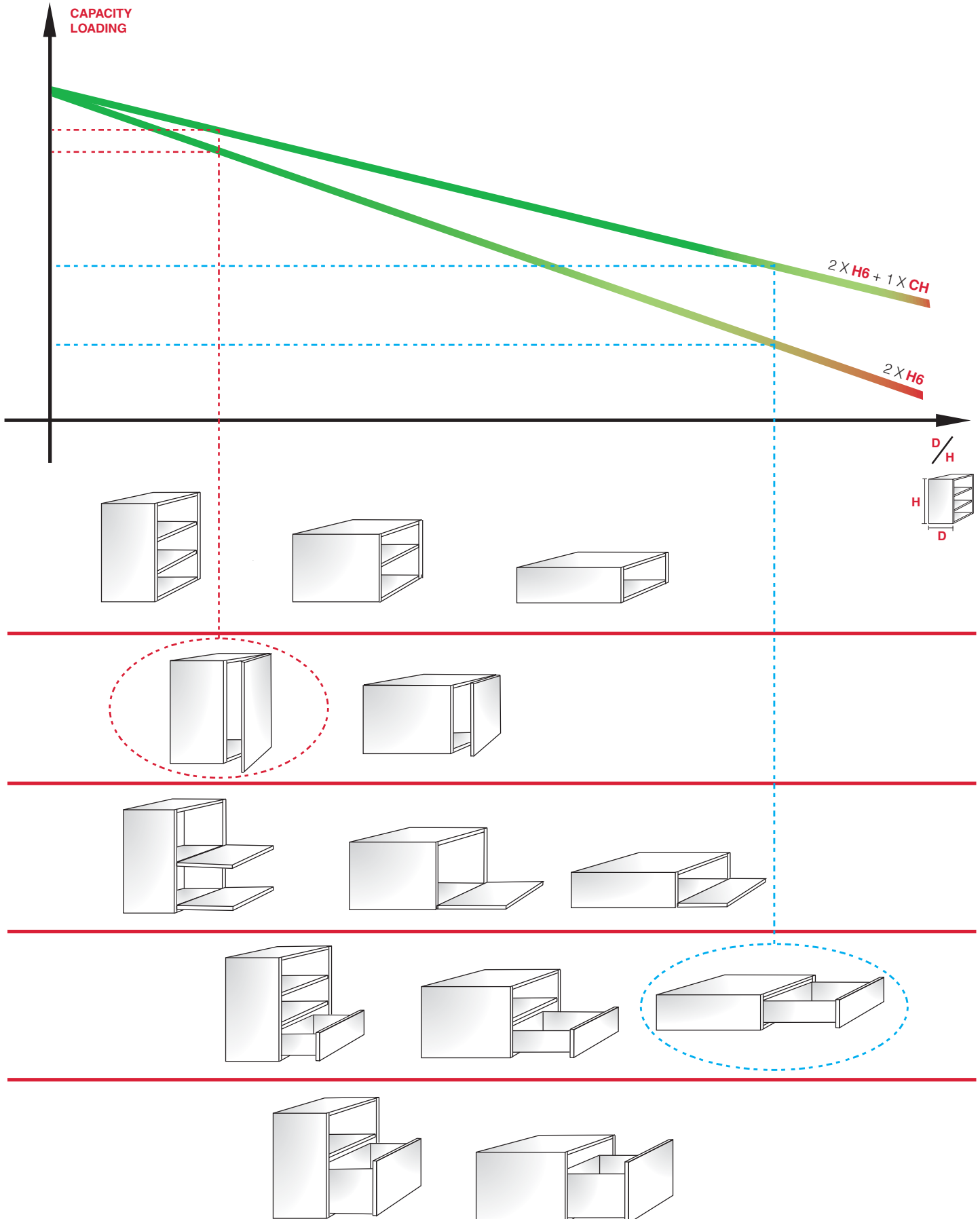
= STRESS INTENSITY LEVEL ON THE WALL



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



DEMONSTRATION SCHEME : WHERE AND HOW TO USE LIBRA H6 AND LIBRA CH



LIBRA H7 and LIBRA CH LIVING SETTINGS



LIBRA H7



LIBRA CH



LIBRA H7 and LIBRA CH APPLICATIONS

BENEFITS OF LIBRA H7 AND LIBRA CH HANGING SYSTEMS:

- Vertical and in-depth adjustments, as well as the locking of the cabinet, can be easily and smoothly carried out from the inside.
- The hanging system is never interfering with the slides for drawers as it is placed behind the back panel.
- Absolutely no mills or 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.

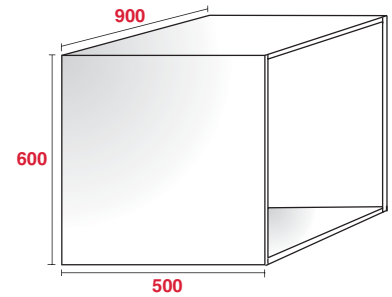
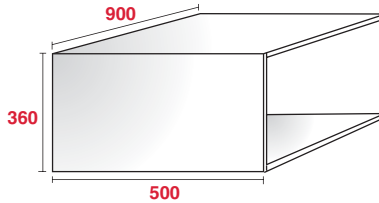
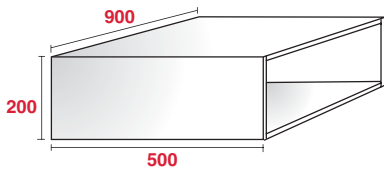
The customer must ensure that the wall is of suitable quality and structure.


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


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


We always recommend to test a complete cabinet.

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



| 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 |

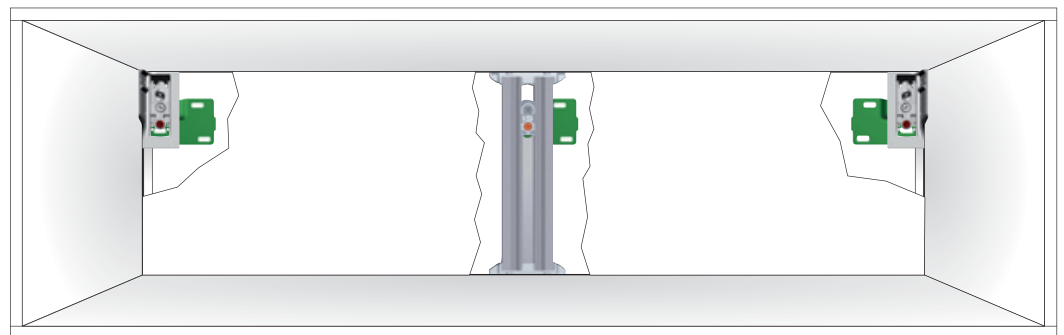
| FURNITURE TYPE | CAPACITY LOADING  | |
|------------------|--|-----------------------|
| | LIBRA H7 | LIBRA H7 + 1 LIBRA CH |
| Cabinet | 180 Kg | 230 Kg |
| Cabinet + drawer | 150 Kg + 30 Kg | 180 Kg + 30 Kg |

| 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 |

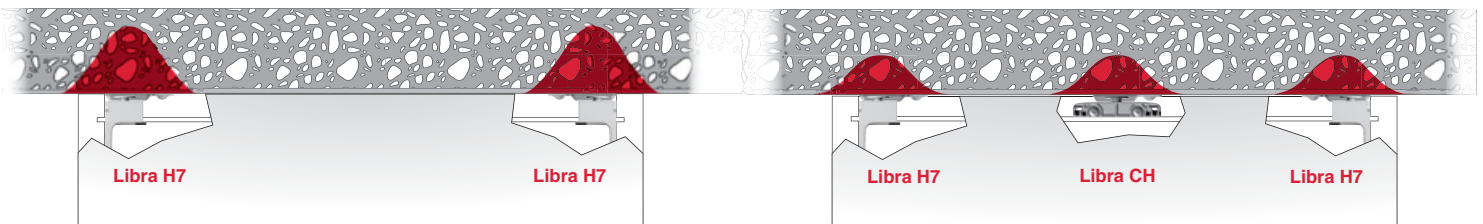
The reported data, empirically obtained, exclusively refer to the constructions and examples shown, correctly positioned and assembled by using WP5 wall plate.

LIBRA H7

LIBRA CH



 = STRESS INTENSITY LEVEL ON THE WALL

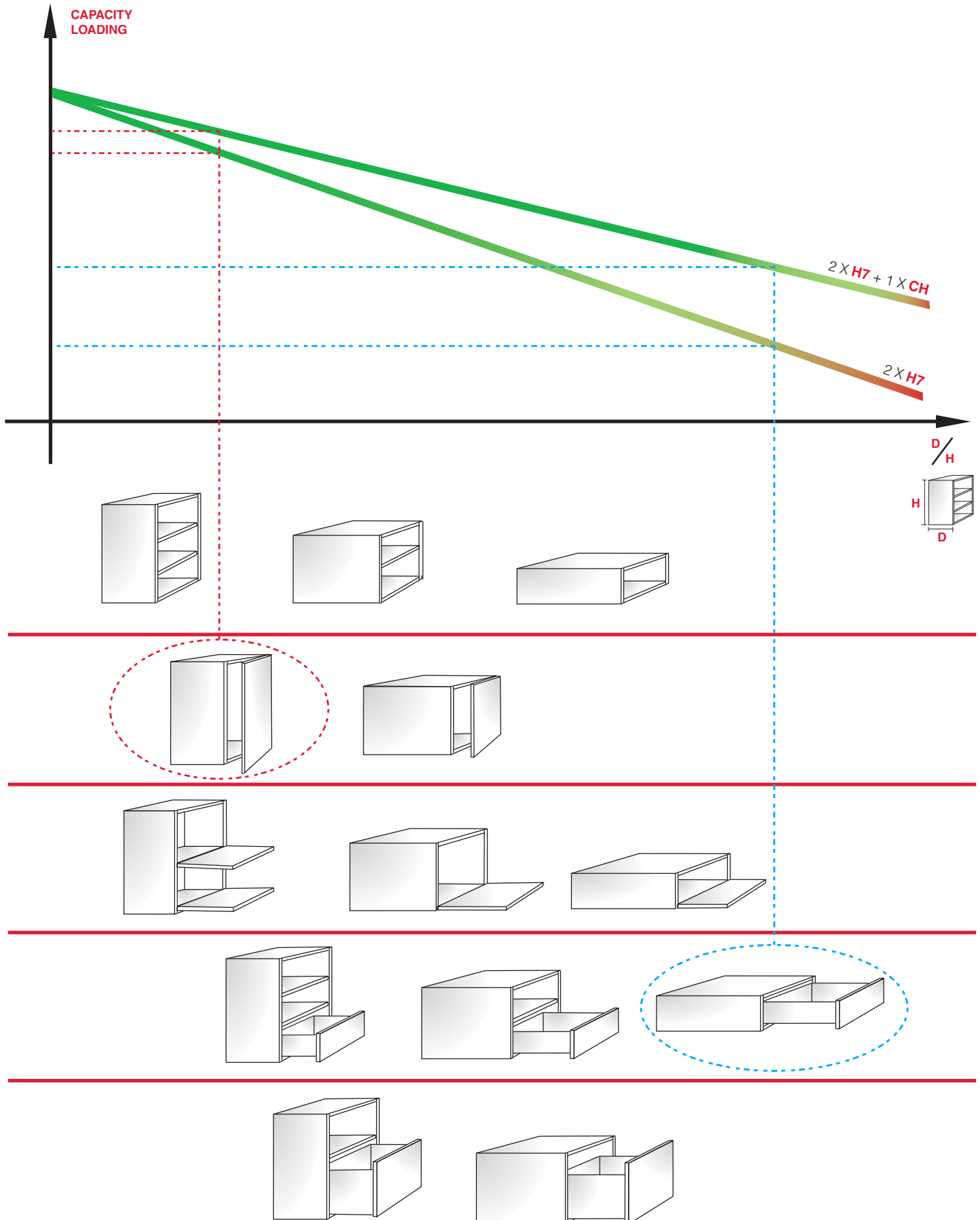


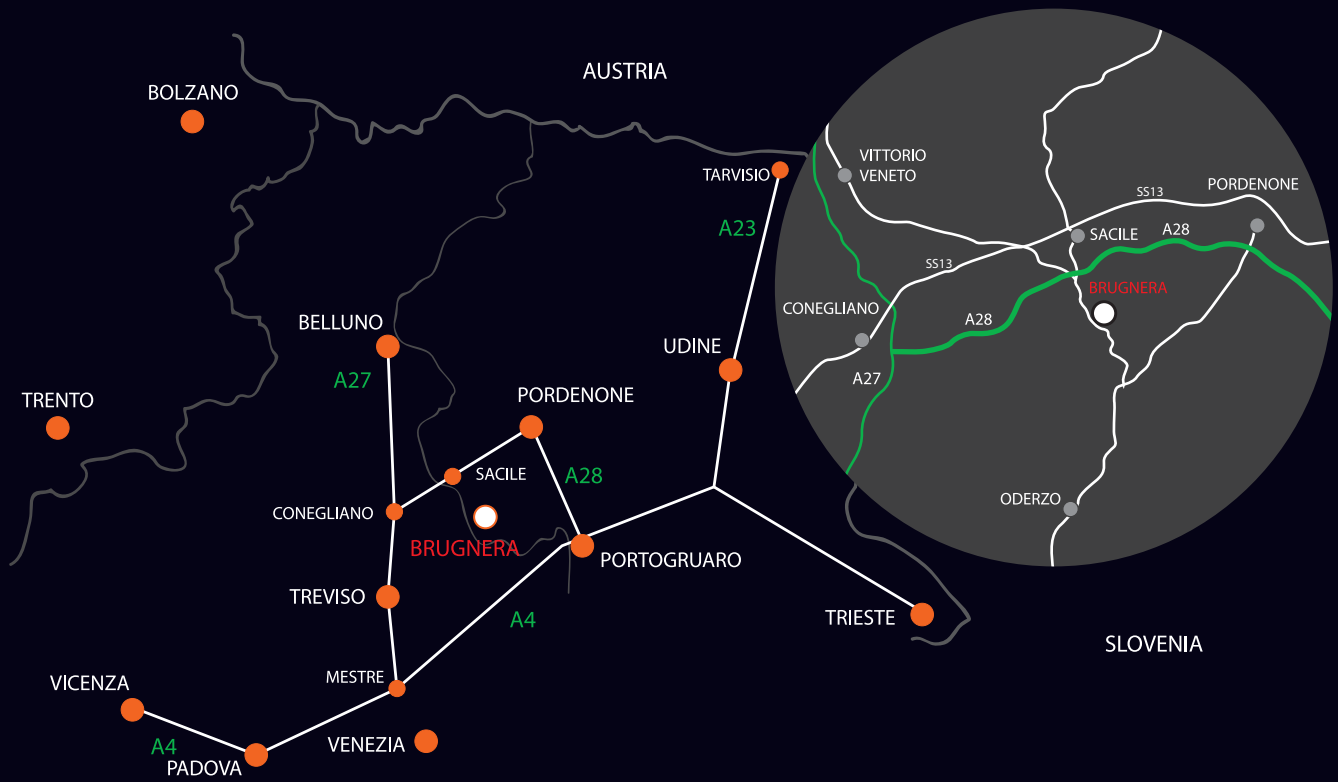
For details refer to sections:

- LIBRA H7 SCREW FIXING (to be used without aluminium bar)
- LIBRA H7 DOWEL FIXING (to be used without aluminium bar).
- LIBRA CH

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

DEMONSTRATION SCHEME : WHERE AND HOW TO USE LIBRA H7 AND LIBRA CH





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