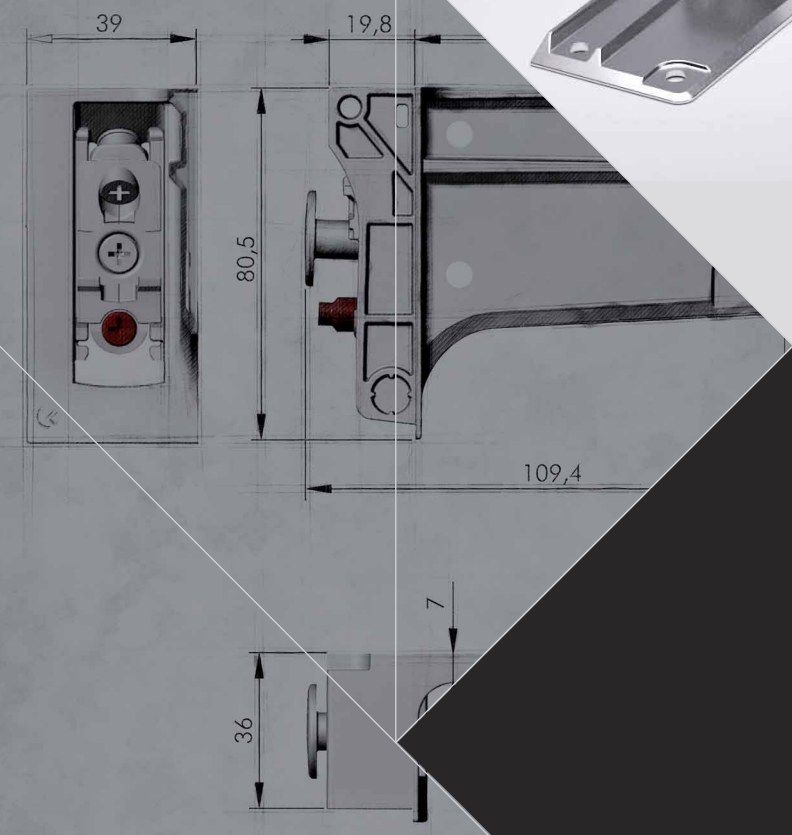
ITALIANA ferramenta

LIBRA H7



HANGERS

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.

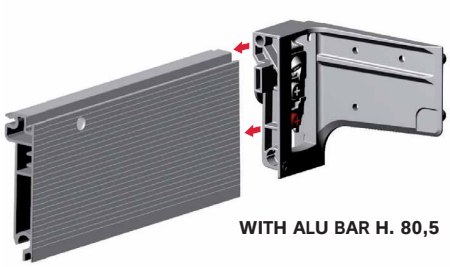
In the **current absence of a unifying European norm** which sets the standards for testing procedures aimed at defining loading capacitys of hanging systems conceived for suspended base units, we Italiana Ferramenta have simulated some of the most critical scenarios. The following simulations are meant 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 loading capacity 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

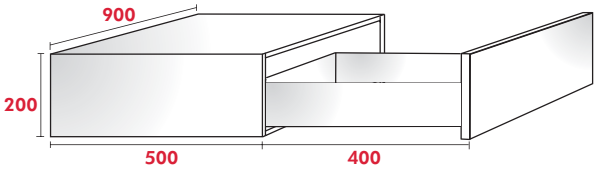
LIBRA H7 DOWEL FIXING

WITH ALU BAR H. 40,2



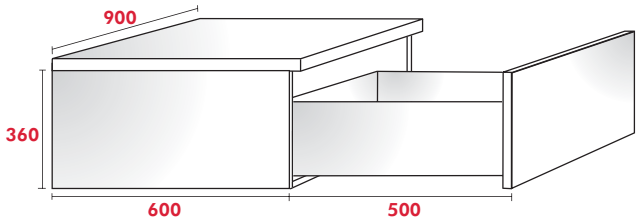
WITH ALU BAR H. 80,5

LIBRA WP5



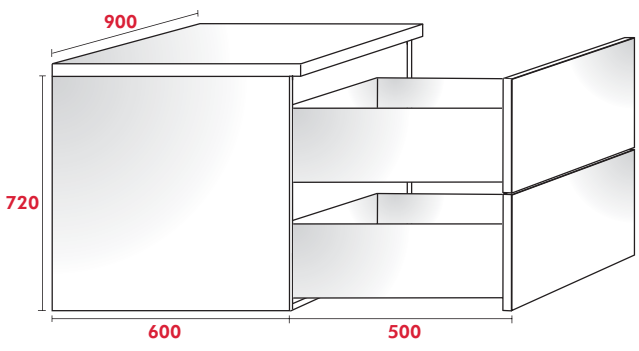
LOADING CAPACITY			
LIBRA H7 AND CABINET WITH STRUCTURAL TOP		FURNITURE TYPE	LIBRA H7 DOWEL FIXING AND ALU BAR H 40,2 WITH 2 EXTRA HANGING POINTS
SCREW FIXING	DOWEL FIXING		
120 kg	120 kg	Cabinet	160 kg
80 kg + 30 kg	80 kg + 30 kg	Cabinet + drawer	120 kg + 30 kg

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



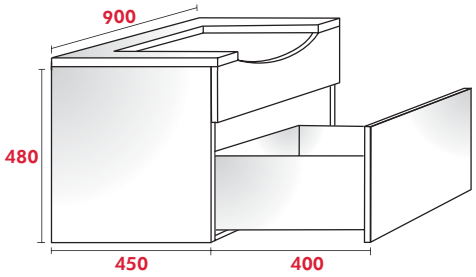
LOADING CAPACITY			
LIBRA H7 AND CABINET WITH STRUCTURAL TOP		FURNITURE TYPE	LIBRA H7 DOWEL FIXING AND ALU BAR H 40,2 WITH 2 EXTRA HANGING POINTS
SCREW FIXING	DOWEL FIXING		
160 kg	150 kg	Cabinet	180 kg
120 kg + 30 kg	110 kg + 30 kg	Cabinet + drawer	140 kg + 30 kg

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



LOADING CAPACITY			
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

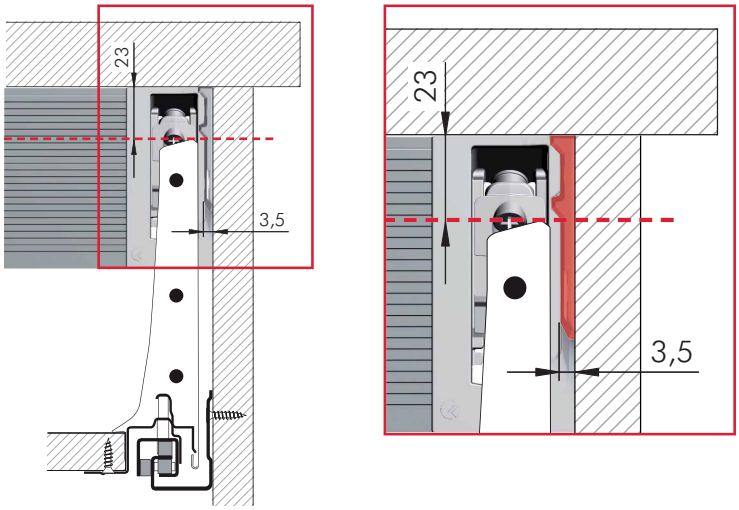
The reported data, empirically obtained, exclusively refer to the constructions and examples shown, correctly positioned and assembled by using WP5 wall plate.



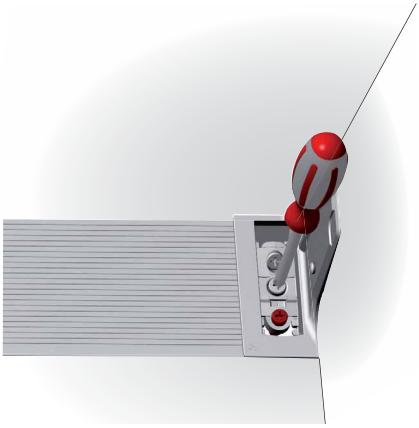
LOADING CAPACITY			
LIBRA H7 AND CABINET WITH STRUCTURAL TOP		FURNITURE TYPE	LIBRA H7 DOWEL FIXING AND ALU BAR H 40,2 WITH 2 EXTRA HANGING POINTS
SCREW FIXING	DOWEL FIXING		
200 kg	170 kg	Cabinet	210 kg
160 kg + 30 kg	130 kg + 30 kg	Cabinet + drawer	170 kg + 30 kg

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

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



Easy access to the adjustments

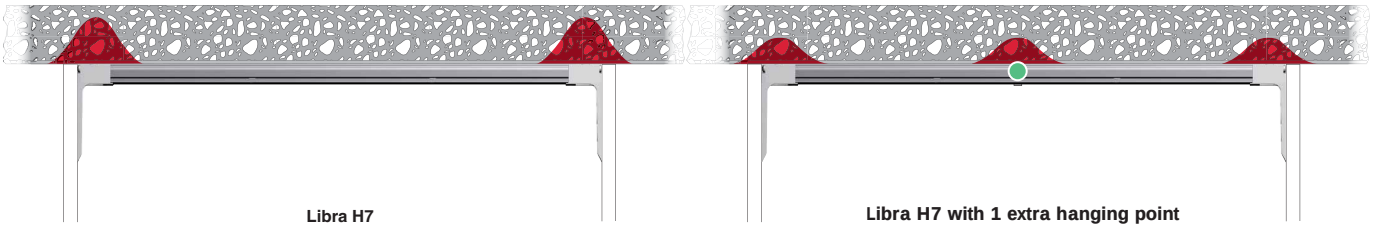


The slim side bracket makes the use of tools very easy and comfortable as there is plenty of space between the side and the screwdriver.

= STRESS INTENSITY LEVEL ON THE WALL

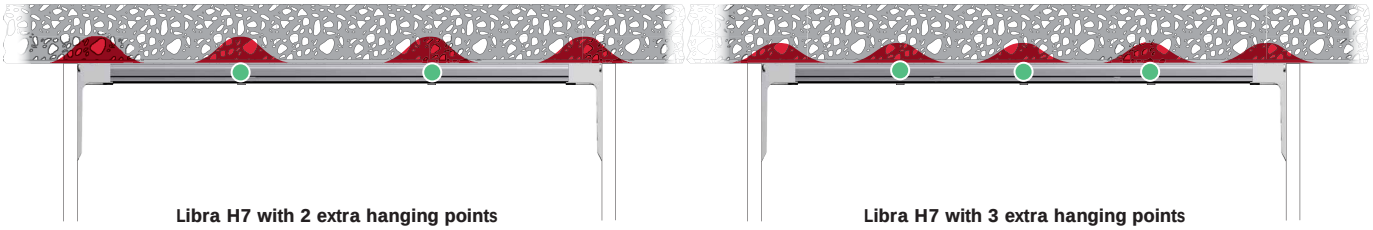
By adding extra hanging points on the aluminium bar, the loading capacity is more evenly distributed, thus sensibly reducing the stress intensity level on the wall.

= 



Libra H7

Libra H7 with 1 extra hanging point



Libra H7 with 2 extra hanging points

Libra H7 with 3 extra hanging points

LIBRA H7 is a strong and versatile cabinet hanger especially designed for wall-mounted cabinets with heavy loads or particularly deep drawers. It is the ideal choice for vanity, kitchen or bathroom cabinet, or commercial display project.

The main benefits of LIBRA H7 are the following:

- Vertical and in-depth adjustments, with integrated 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. Therefore also the use of tools is very easy and comfortable as there is plenty of space between the side and the screwdriver.

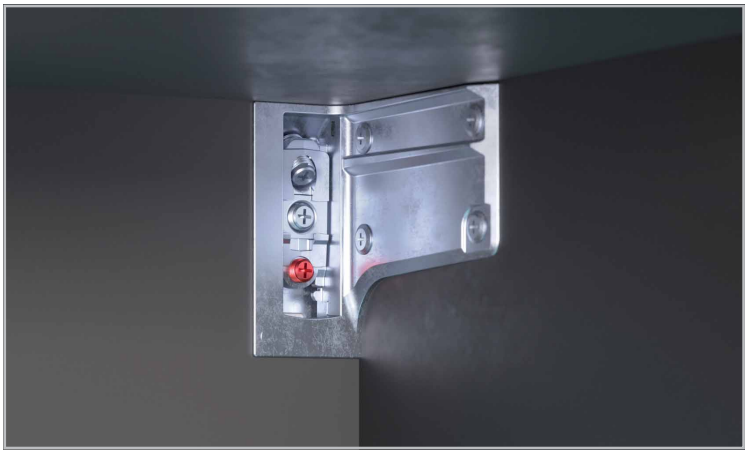
- Absolutely no mills, nor grooves are required on the side panels.

LIBRA H7 has two applications: with SCREW FIXING and DOWEL FIXING.
Both version can be mounted with optional aluminium bars. 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.

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, Italiana Ferramenta has simulated some of the most critical scenarios. The results or the empyrical tests are available in the related brochure.

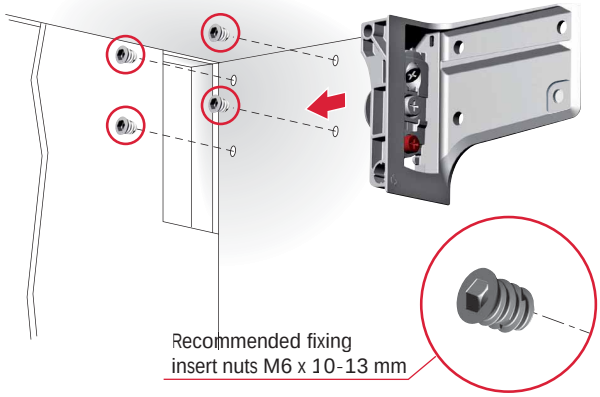
LIBRA H7 SCREW FIXING LIVING SETTINGS

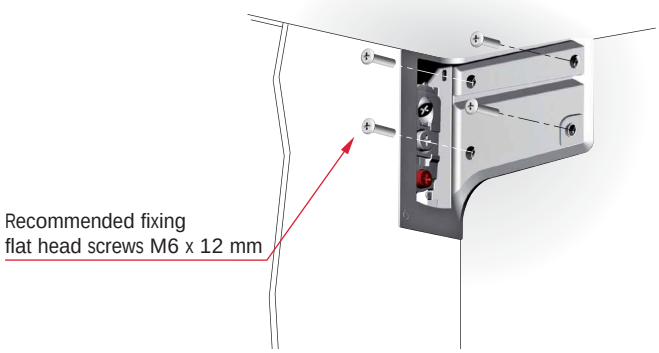
LIBRA H7 SCREW FIXING



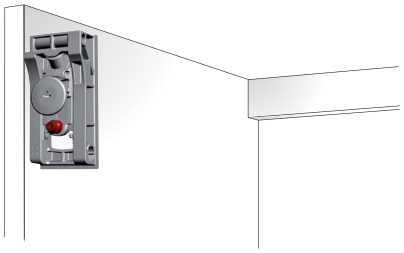
PATENTED

INSTALLATION UNDER THE CABINET TOP



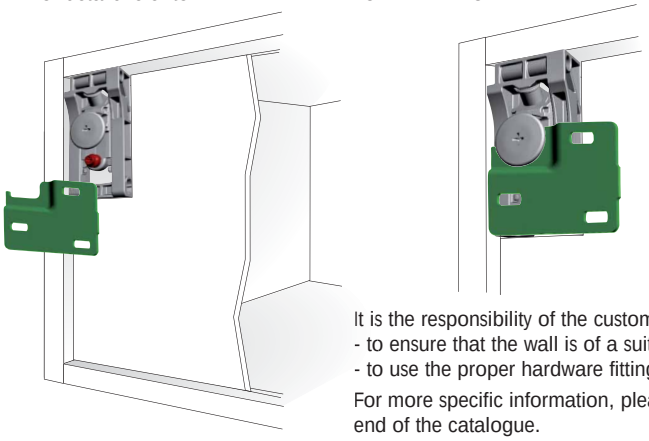


ALTERNATIVE APPLICATION WITHOUT TOP



INSTALLATION ON THE WALL

- For details refer to “LIBRA WALL PLATES: LIBRA WP5”



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.

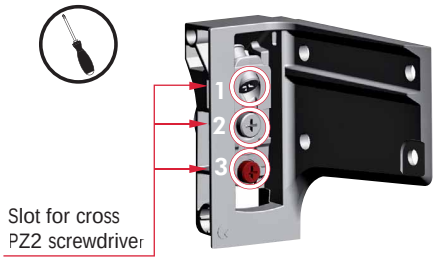
For more specific information, please refer to the WARNINGS section at the end of the catalogue.

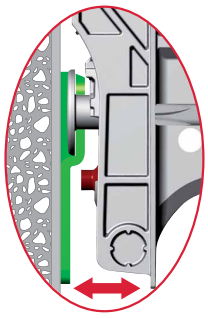
ADJUSTMENTS

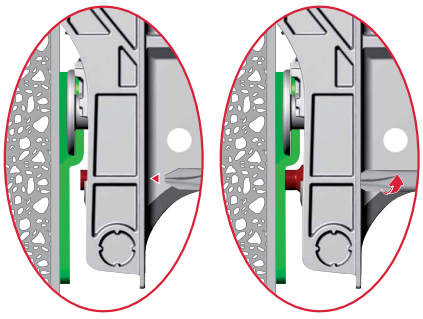
1
VERTICAL ADJUSTMENT
13 mm

2
IN-DEPTH ADJUSTMENT
12 mm

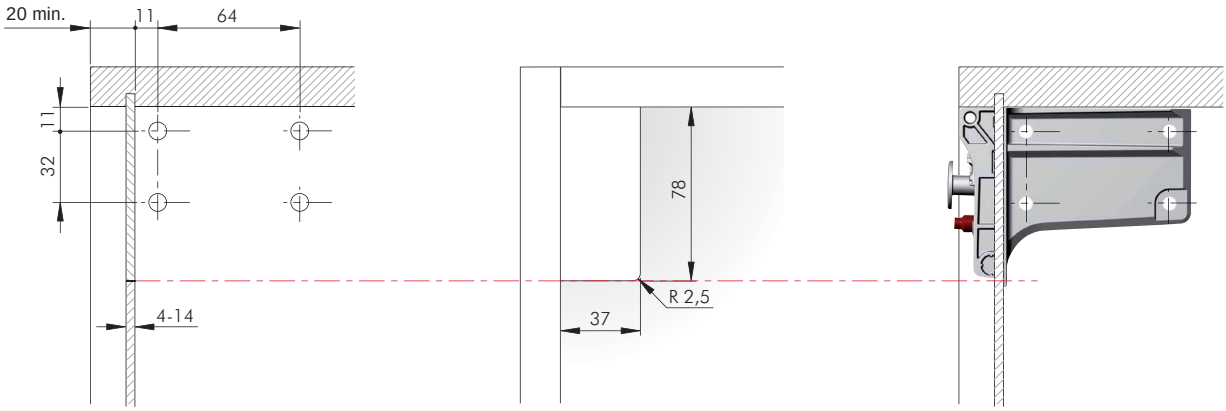
3
ANTI-TURNOVER LOCKING
Stop screwing the red bolt when it touches the wall plate



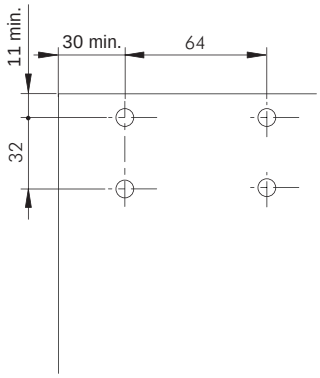


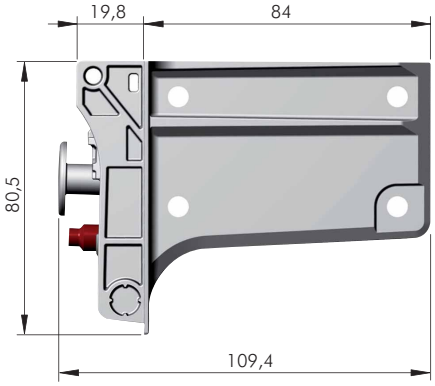


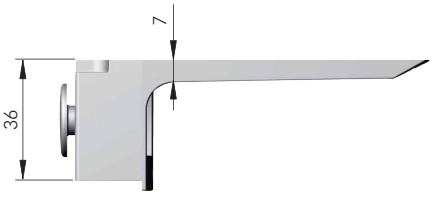
DRILLING PLAN WITH BACK PANEL WOOD THICKNESS 4 - 14 MM



DRILLING PLAN WITHOUT BACK PANEL







= PZ2

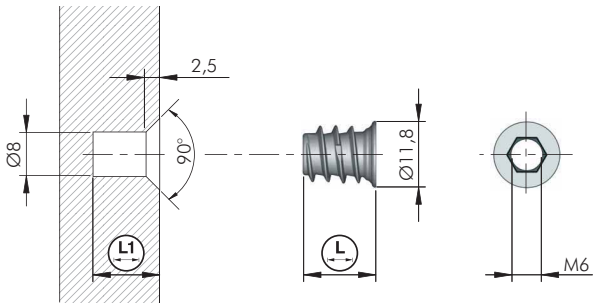
ZA ST

= 50 pcs.

63422260ZN	R
63422270ZN	L

NOTE: for technical details about wall plates please refer to the related sections “LIBRA WALL PLATES” on page 12.64.

LIBRA H7 SCREW FIXING ACCESSORIES



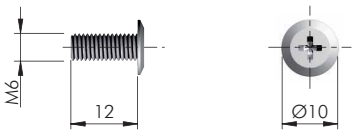
= Ø 8 mm = M6 +

= S6

ZA

= 5.000 pcs.

	L	L1
20102010GR	10	12
20102020GR	13	15



= M6 = PZ2

ST

= 5.000 pcs.

20819020ZN

LIBRA H7 DOWEL FIXING WITH ALUMINIUM BAR LIVING SETTINGS

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

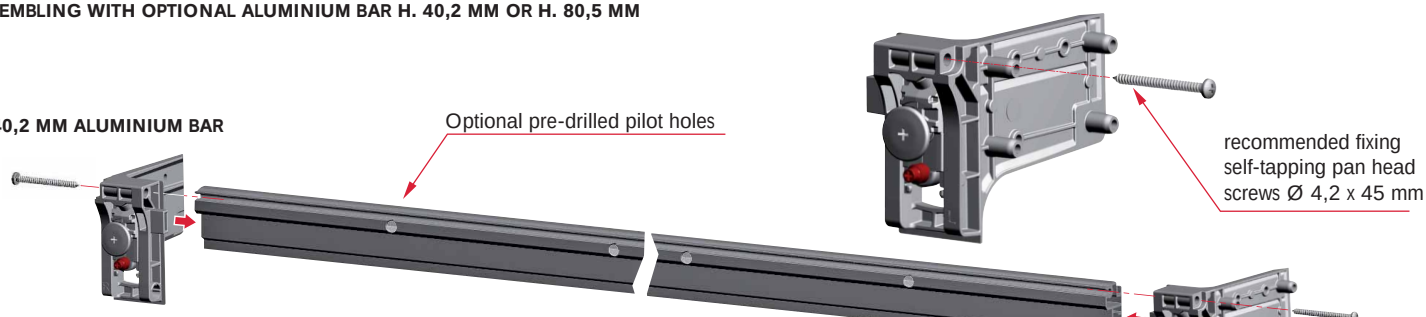
LIBRA H7 with H. 80,5 aluminium bar.
Ideal for kitchen cabinets.

LIBRA H7 DOWEL FIXING WITH “PEG JOINT” FOR ALUMINIUM BAR

PATENTED

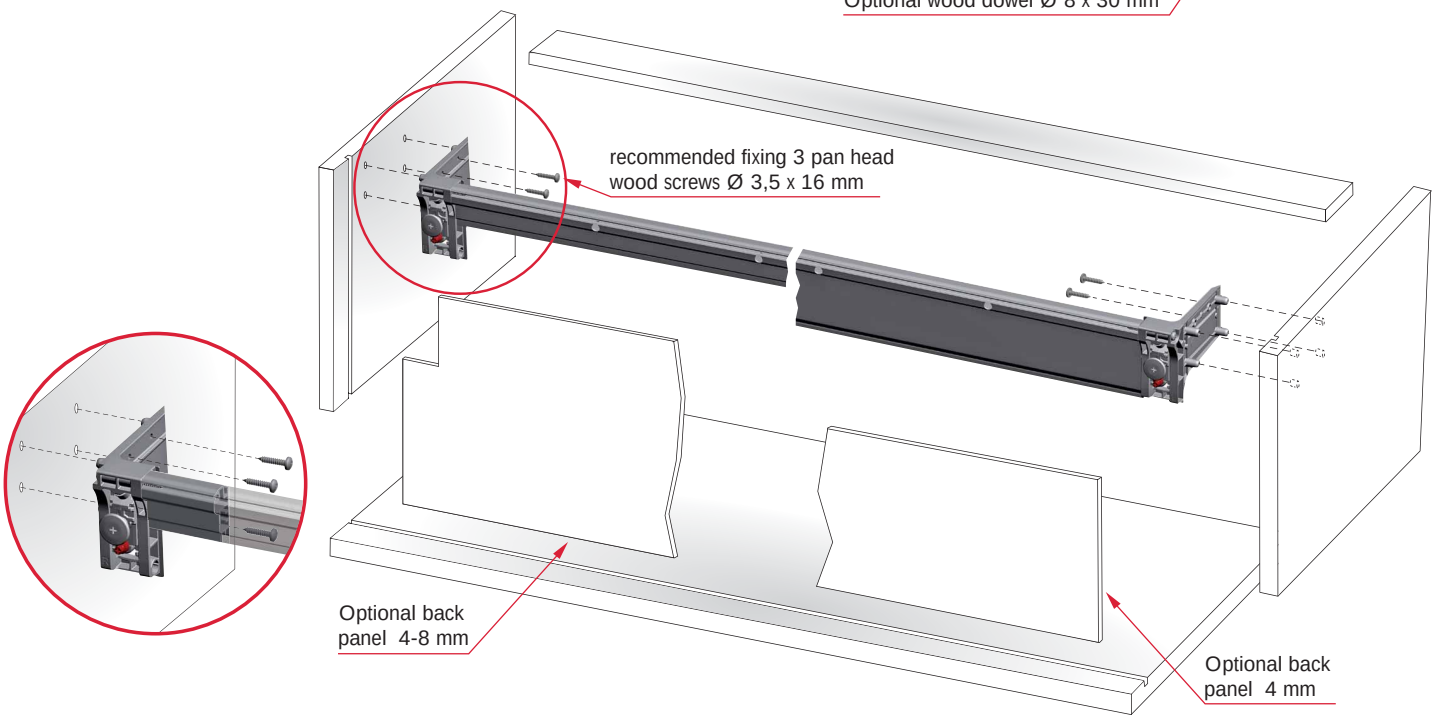
ASSEMBLING WITH OPTIONAL ALUMINIUM BAR H. 40,2 MM OR H. 80,5 MM

H. 40,2 MM ALUMINIUM BAR



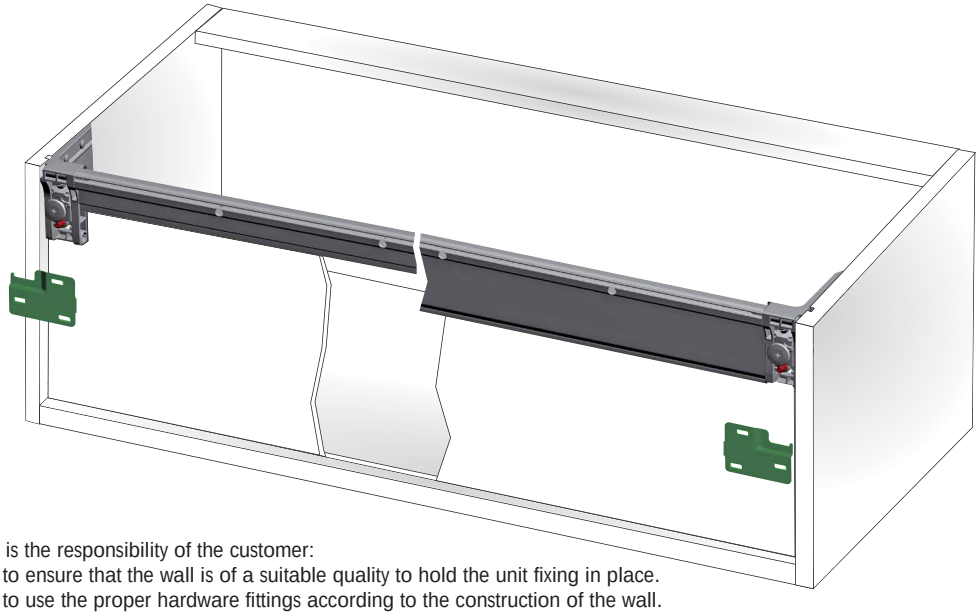
H. 80,5 MM ALUMINIUM BAR

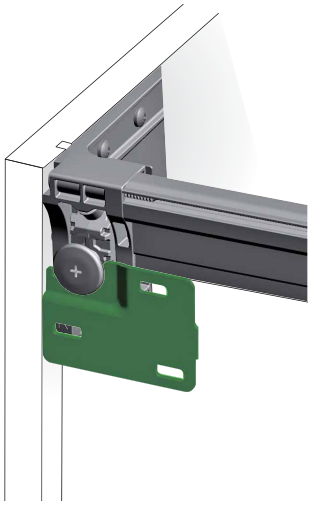
APPLICATION TO THE SUSPENDED BASE CABINET



INSTALLATION ON THE WALL

- For details refer to “LIBRA WALL PLATES: LIBRA WP5”





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.

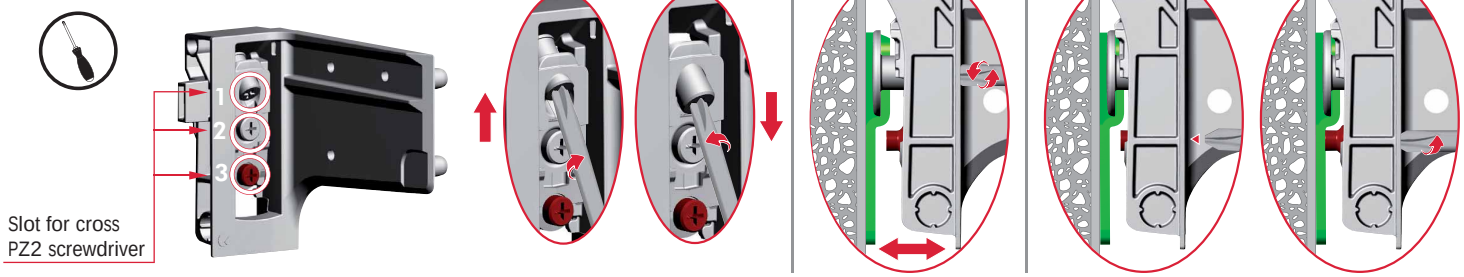
For more specific information, please refer to the WARNINGS section at the end of the catalogue.

ADJUSTMENTS (STEP 1)

1
VERTICAL ADJUSTMENT
13 mm

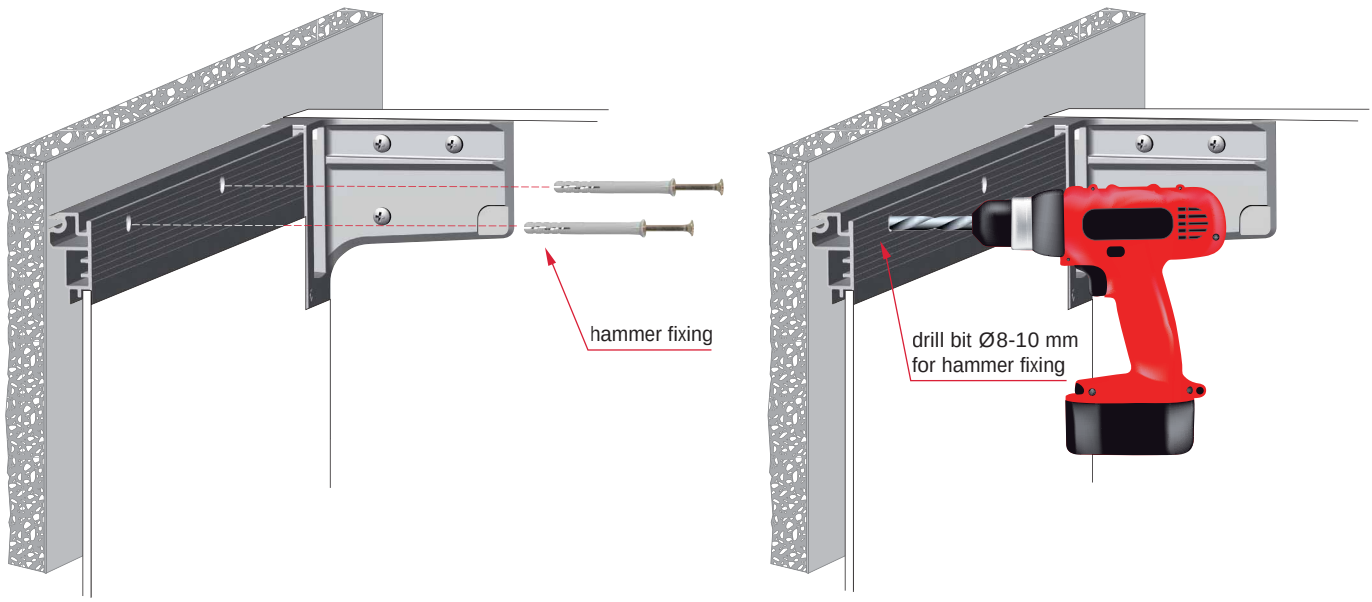
2
IN-DEPTH ADJUSTMENT
12 mm

3
ANTI-TURNOVER LOCKING
Stop screwing the red bolt when it touches the wall plate

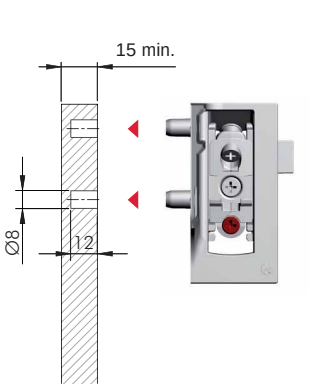


EXTRA HANGING POINTS (STEP 2)

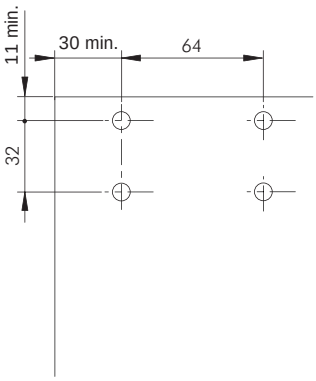
The pre-drilled pilot holes ease the drilling operations on the wall.
Extra hanging points reduce the loading stress on the left/right wall plates.



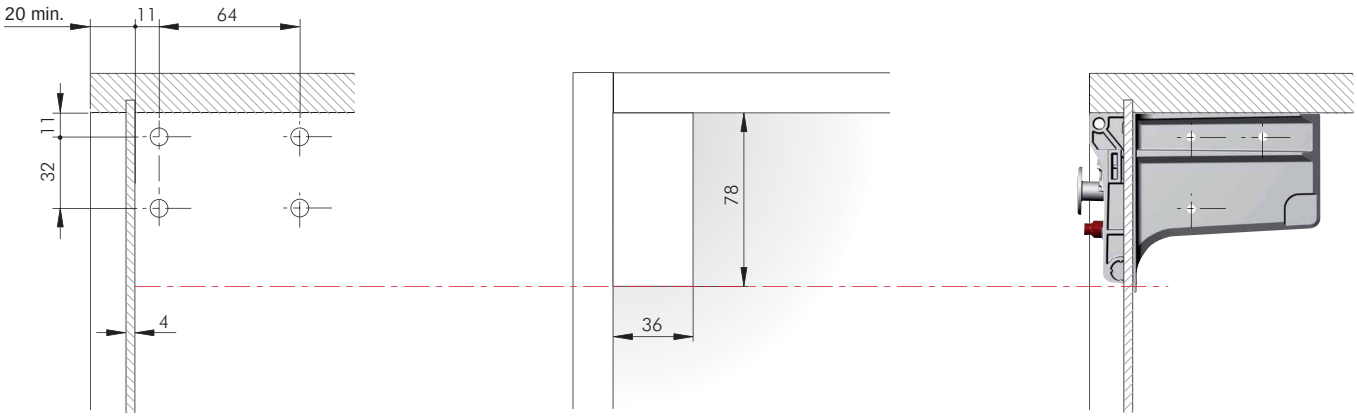
SIDE PANEL 15 MIN



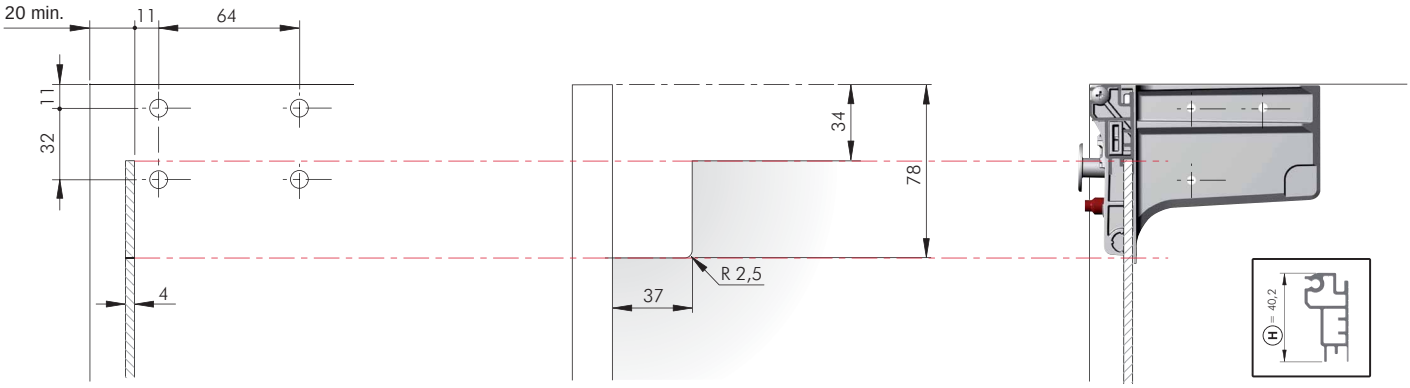
DRILLING PLAN WITHOUT BACK PANEL



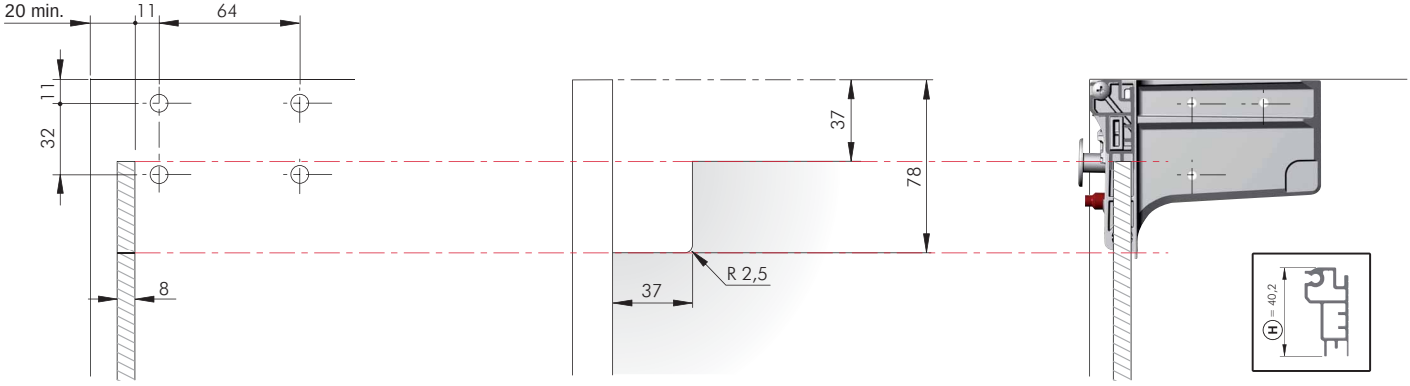
DRILLING PLAN WITH BACK PANEL WOOD THICKNESS 4 MM



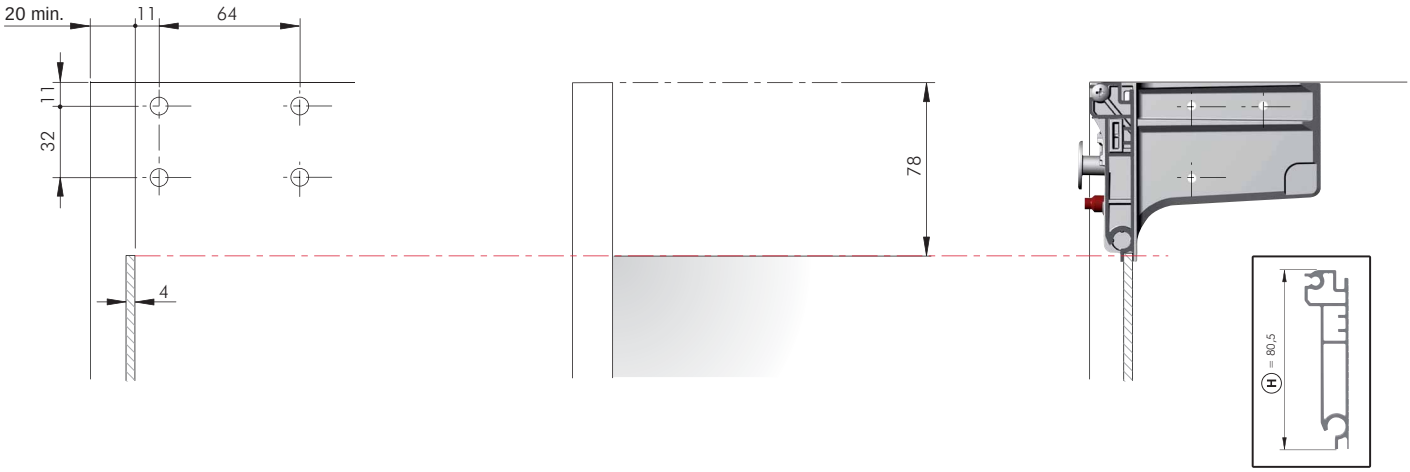
DRILLING PLAN WITH BACK PANEL WOOD THICKNESS 4 MM AND H. 40,2 MM ALUMINIUM BAR

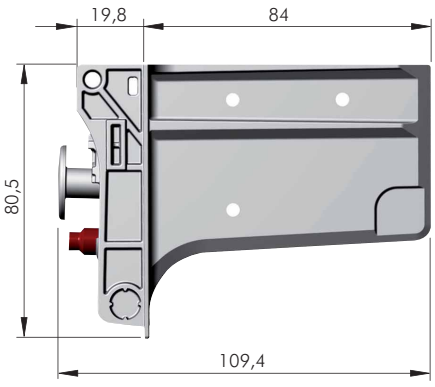


DRILLING PLAN WITH BACK PANEL WOOD THICKNESS 8 MM AND H. 40,2 MM ALUMINIUM BAR



DRILLING PLAN WITH BACK PANEL WOOD THICKNESS 4 MM AND H. 80,5 MM ALUMINIUM BAR





= PZ2

ZA ST

= 50 pcs.

63422200ZN	R
63422210ZN	L

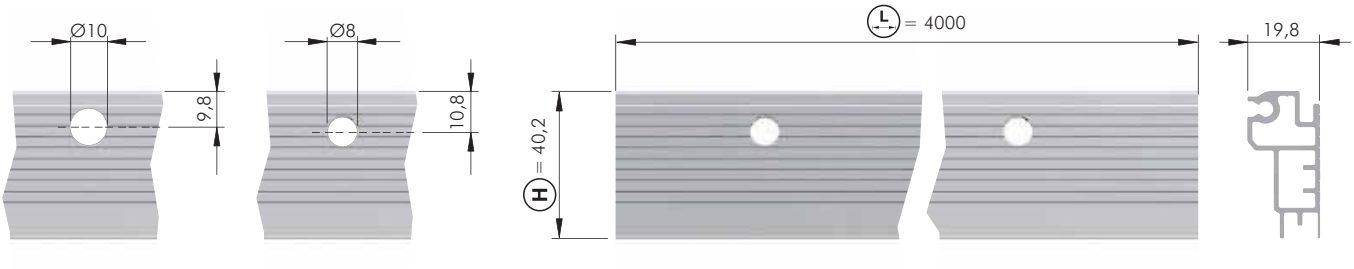
NOTE: for technical details about wall plates please refer to the related sections “LIBRA WALL PLATES” on page 12.64.

LIBRA H7 ALUMINIUM BAR H. 40,2

TO BE CUT BY THE CUSTOMER

AL	= on request		
123	H	L	
6704000000	40,2	4000	

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

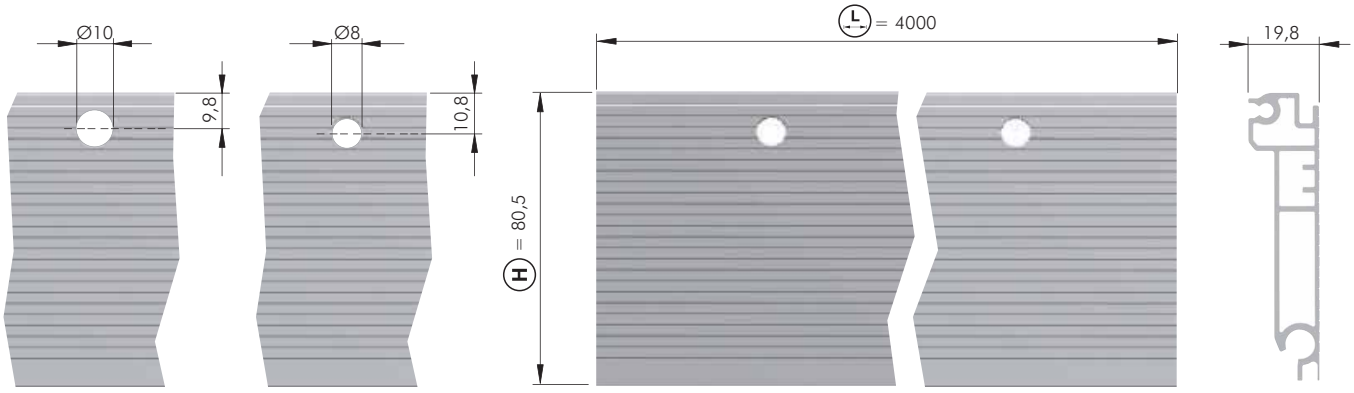


LIBRA H7 ALUMINIUM BAR H. 80,5

TO BE CUT BY THE CUSTOMER

AL	= on request		
123	H	L	
6714000000	80,5	4000	

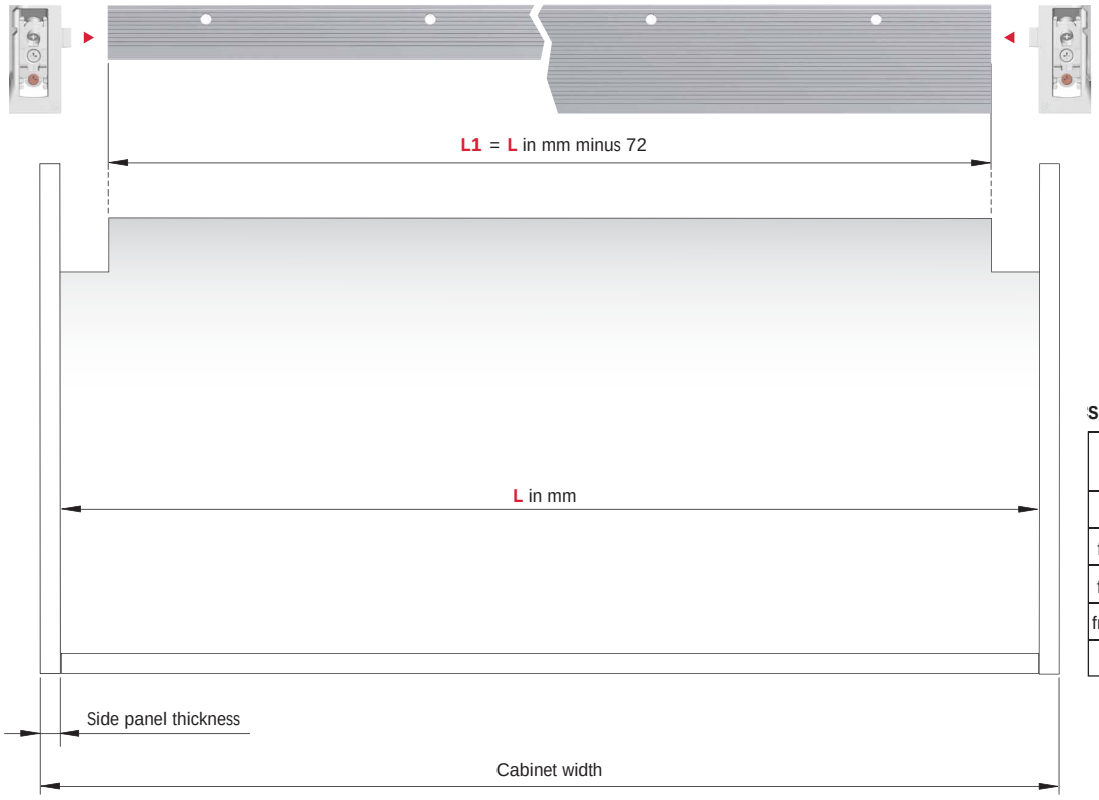
Optional pre-drilling operation/s to be carried out by the customer.



LIBRA H7 ALUMINIUM BAR H. 40,2 AND H. 80,5 WITHOUT END ELEMENTS

TO BE CUT BY THE CUSTOMER

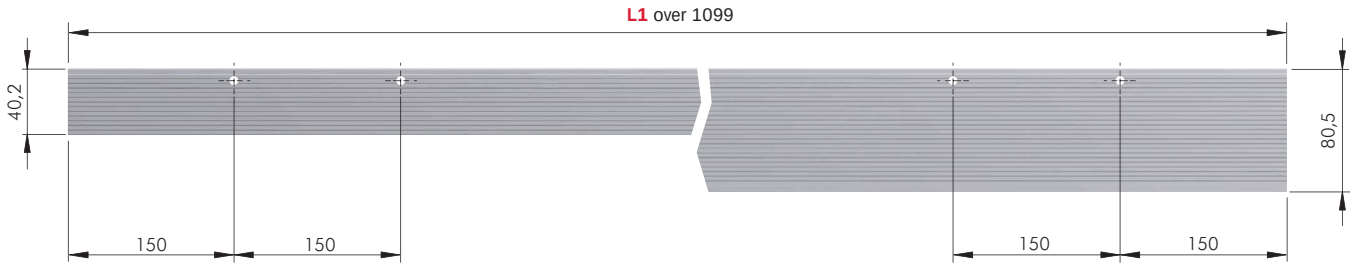
SUGGESTED POSITIONING OF PRE-DRILLED Ø 8 OR Ø 10 INTERMEDIATE PILOT HOLES ACCORDING TO CABINET WIDTH



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

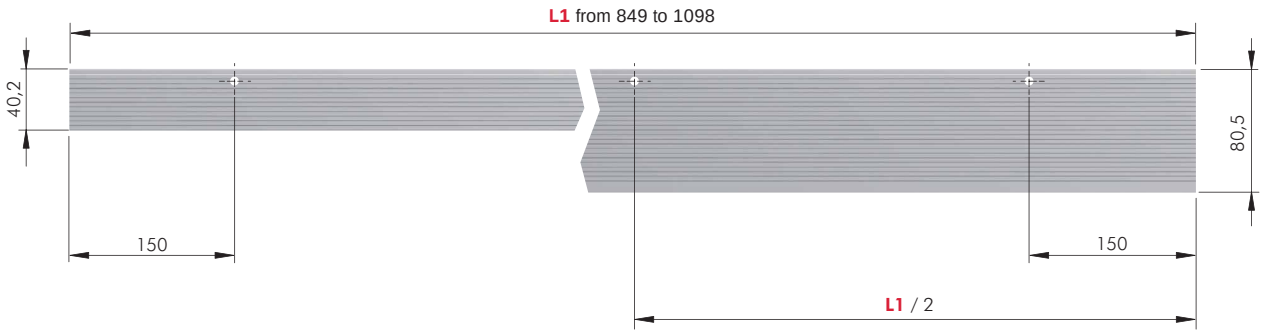
Cabinet width over 1201



CABINET WIDTH OVER 1201

SIDE PANEL	L1
15	1099
16	1097
18	1093
19	1091

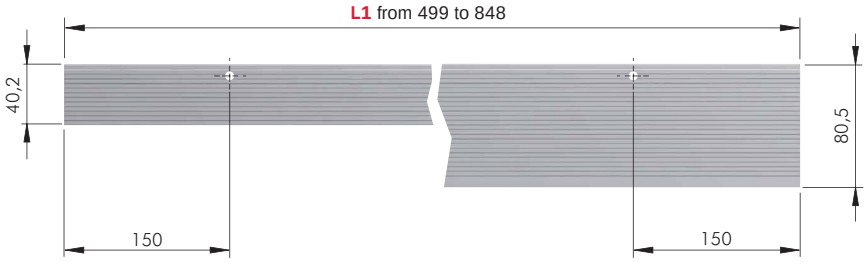
Cabinet width from 951 to 1200



CABINET WIDTH from 951 to 1200

SIDE PANEL	FROM - TO
15	849 - 1098
16	847 - 1096
18	843 - 1092
19	841 - 1090

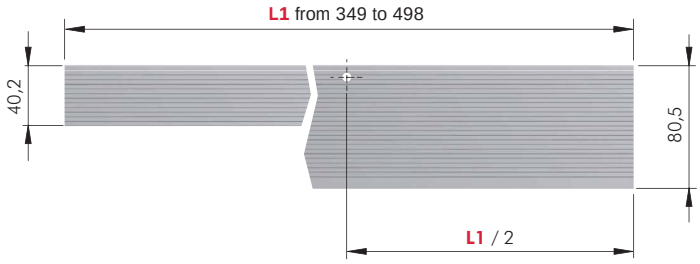
Cabinet width from 601 to 950



CABINET WIDTH from 601 to 950

SIDE PANEL	FROM - TO
15	499 - 848
16	497 - 846
18	493 - 842
19	491 - 840

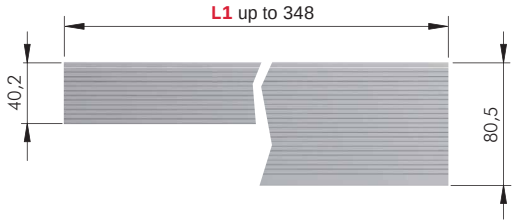
Cabinet width from 451 to 600



CABINET WIDTH from 451 to 600

SIDE PANEL	FROM - TO
15	349 - 498
16	347 - 496
18	343 - 492
19	341 - 490

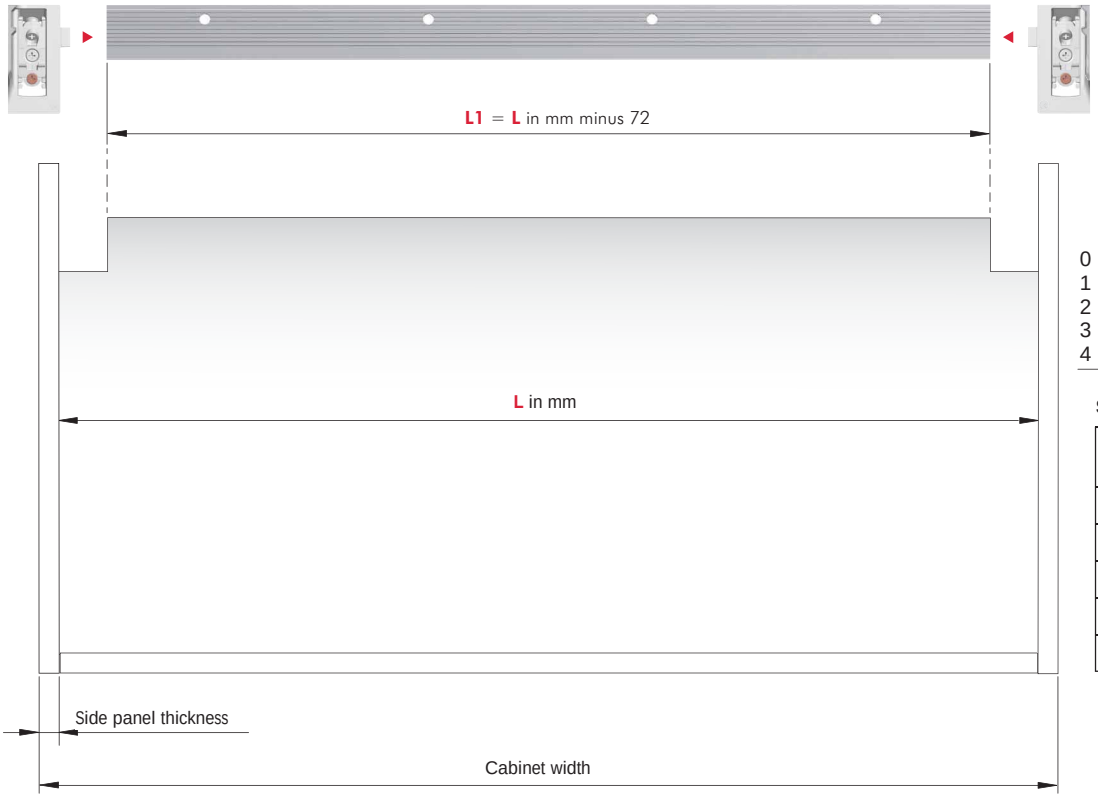
Cabinet width 450



CABINET WIDTH 450

SIDE PANEL	L1
15	348
16	346
18	342
19	340

LIBRA H7 ALUMINIUM BAR H. 40,2 WITHOUT END ELEMENTS: CUT ON SIZE WITH PRE-DRILLED Ø 8 INTERMEDIATE PILOT HOLES



L1

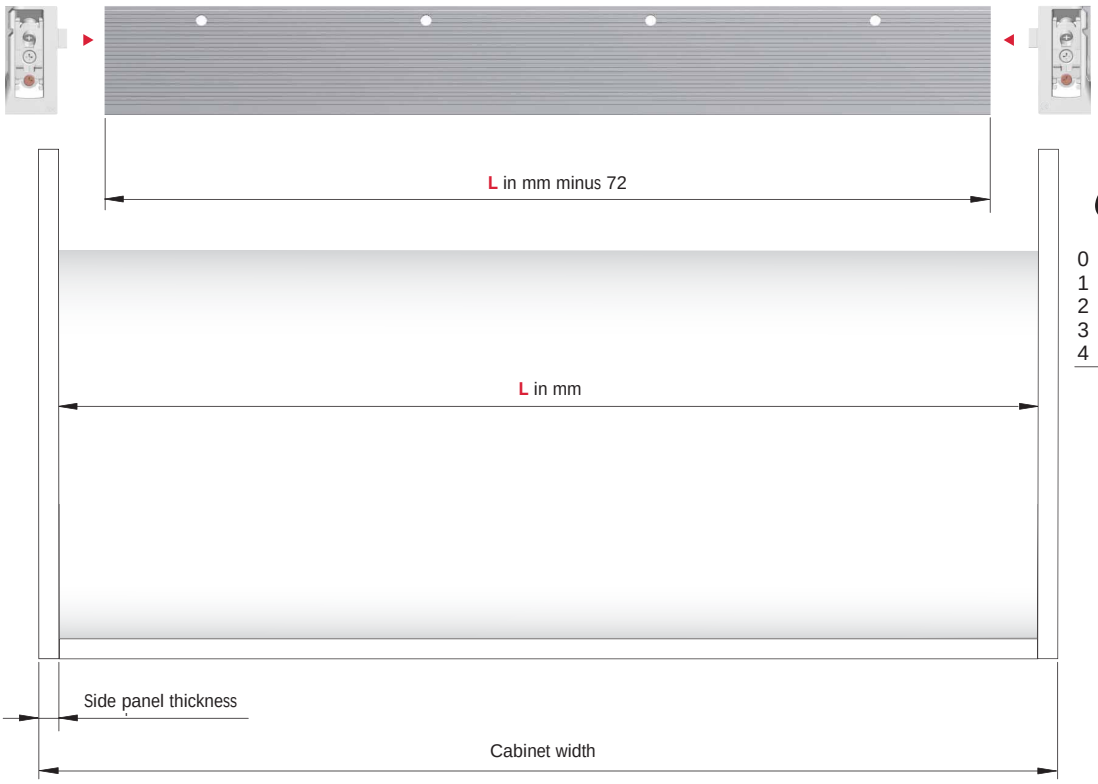
670XXXXY00

0 = without intermediate pilot hole
1 = with 1 intermediate pilot hole
2 = with 2 intermediate pilot holes
3 = with 3 intermediate pilot holes
4 = with 4 intermediate pilot holes

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

LIBRA H7 ALUMINIUM BAR H. 80,5 WITHOUT END ELEMENTS: CUT ON SIZE WITH PRE-DRILLED Ø 8 INTERMEDIATE PILOT HOLES



L in mm minus 72

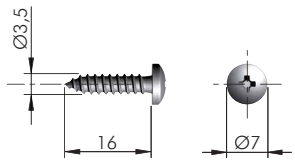
671XXXXY00

0 = without intermediate pilot hole
1 = with 1 intermediate pilot hole
2 = with 2 intermediate pilot holes
3 = with 3 intermediate pilot holes
4 = with 4 intermediate pilot holes

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

LIBRA H7 DOWEL FIXING ACCESSORY



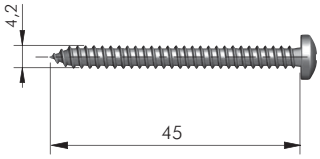
= PZ2 +

ST

= on request

60103140ZN

LIBRA H7 H. 40,2 AND H. 80,5 ALUMINIUM BAR FIXING ACCESSORY



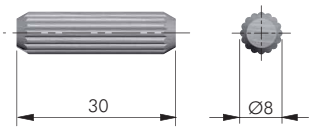
= PZ2 +

ST

= on request

60203540ZN

LIBRA H7 H. 80,5 ALUMINIUM BAR FIXING ACCESSORY



WD

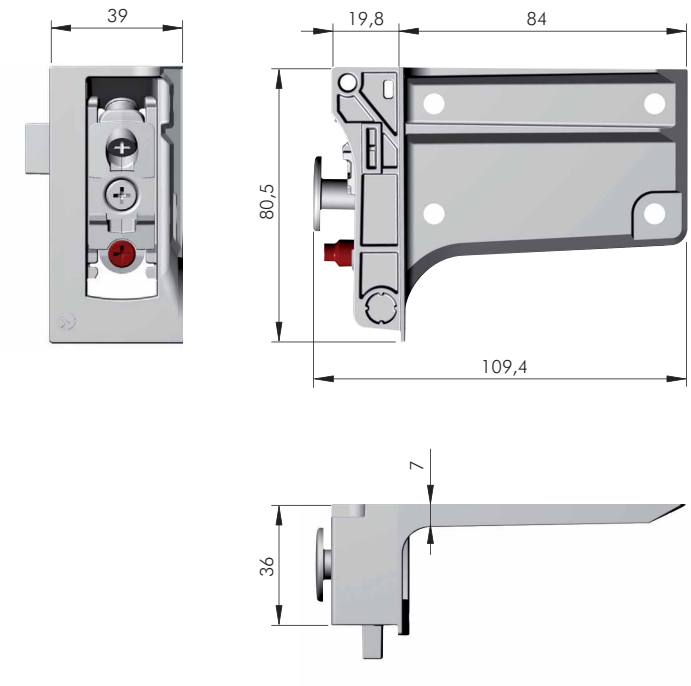
= on request

6110001000

OPTIONAL VERSION

LIBRA H7 SCREW FIXING WITH “PEG JOINT” FOR ALUMINIUM BAR

Certificates available on request.



= PZ2

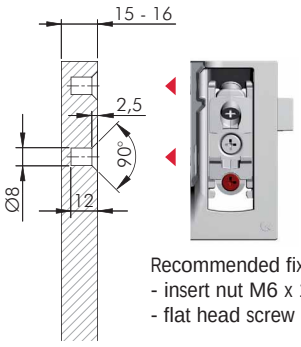
ZA ST

= 50 pcs.

63422240ZN	R
63422250ZN	L

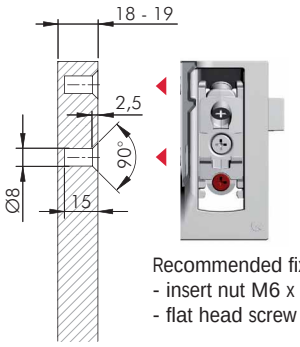
NOTE: for technical details about wall plates please refer to the related sections “LIBRA WALL PLATES” on page 12.64.

SIDE PANEL 15 - 16 MM THICK



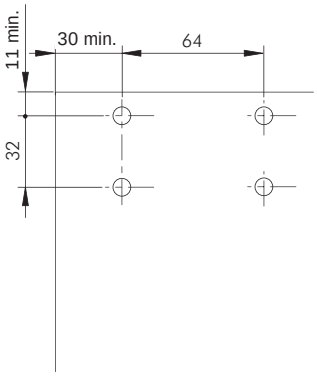
Recommended fixing accessories:
- insert nut M6 x 10 mm
- flat head screw M6 x 12 mm

SIDE PANEL 18 - 19 MM THICK

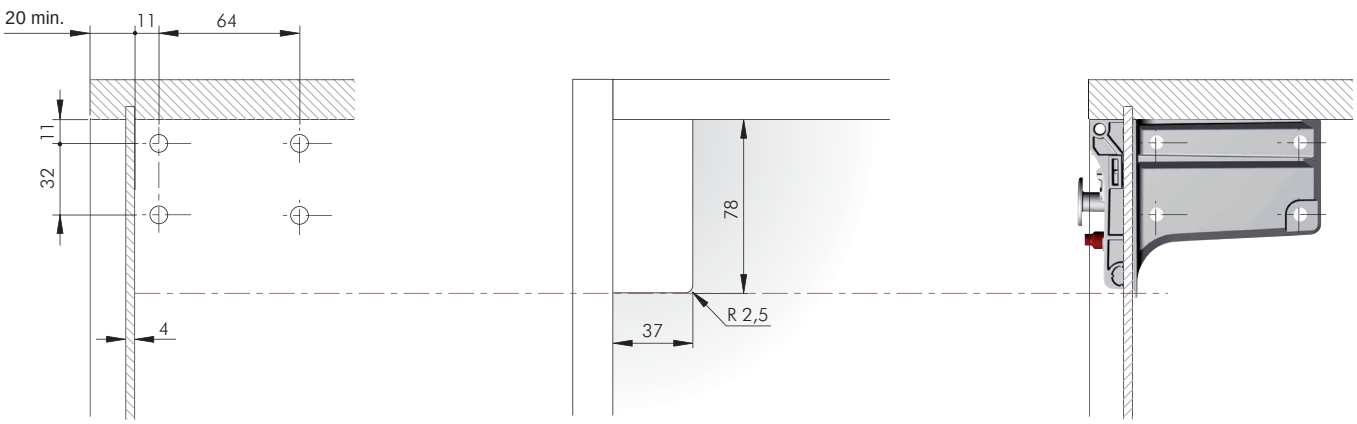


Recommended fixing accessories:
- insert nut M6 x 13 mm
- flat head screw M6 x 12 mm

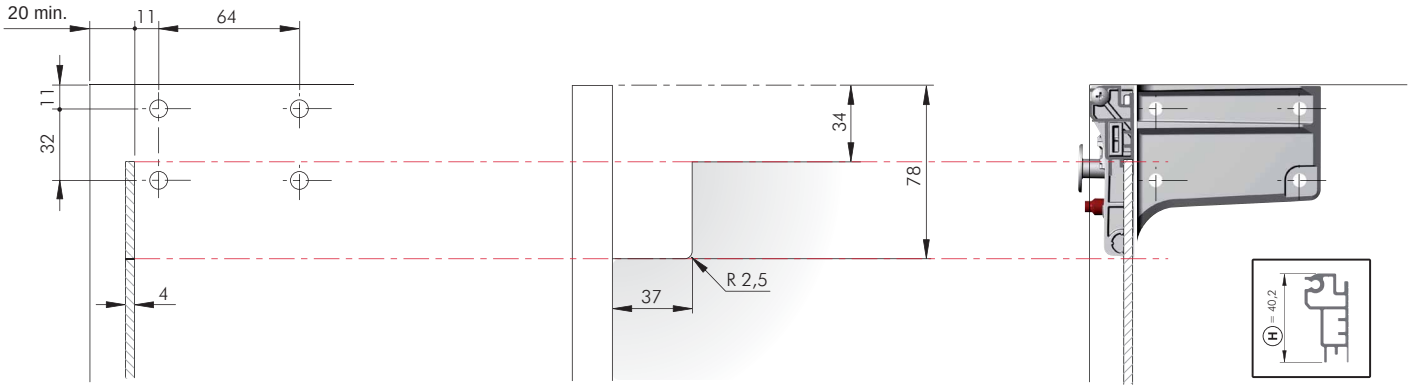
DRILLING PLAN WITHOUT BACK PANEL



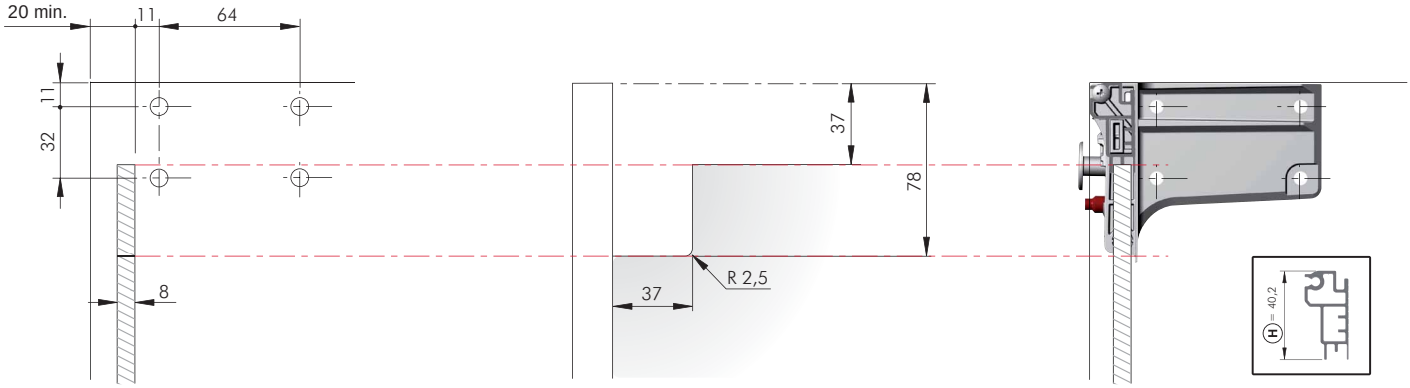
DRILLING PLAN WITH BACK PANEL WOOD THICKNESS 4 MM



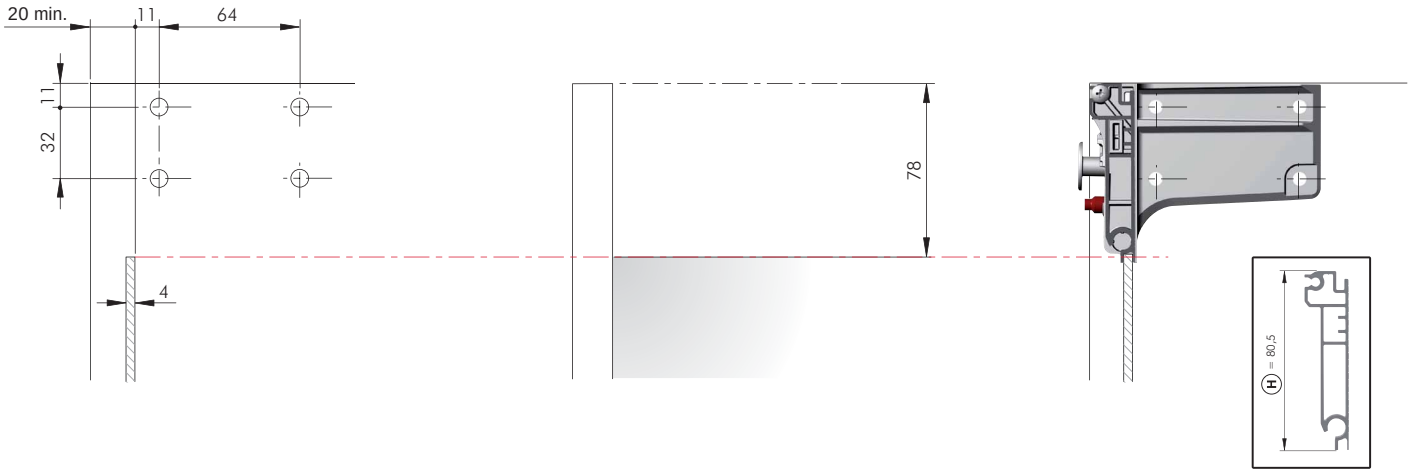
DRILLING PLAN WITH BACK PANEL WOOD THICKNESS 4 MM AND H. 40,2 MM ALUMINIUM BAR



DRILLING PLAN WITH BACK PANEL WOOD THICKNESS 8 MM AND H. 40,2 MM ALUMINIUM BAR

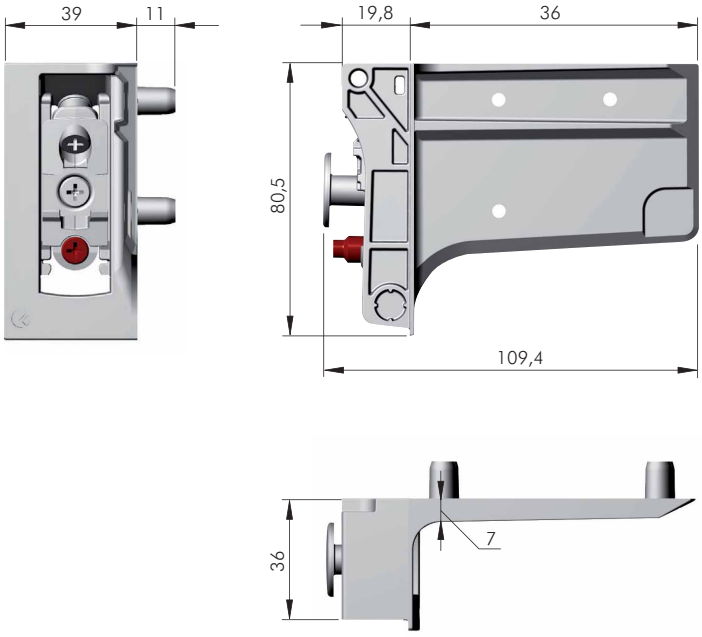


DRILLING PLAN WITH BACK PANEL WOOD THICKNESS 4 MM AND H. 80,5 MM ALUMINIUM BAR



OPTIONAL VERSION

LIBRA H7 DOWEL FIXING WITHOUT “PEG JOINT”



= PZ2

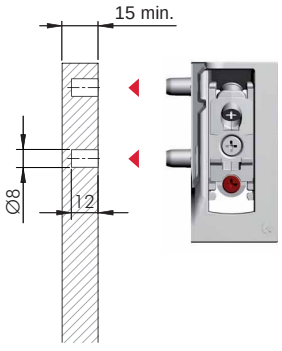
ZA ST

= 50 pcs.

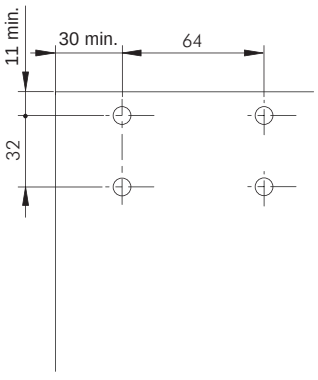
63422220ZN	R
63422230ZN	L

NOTE: for technical details about wall plates please refer to the related sections “LIBRA WALL PLATES” on page 12.64.

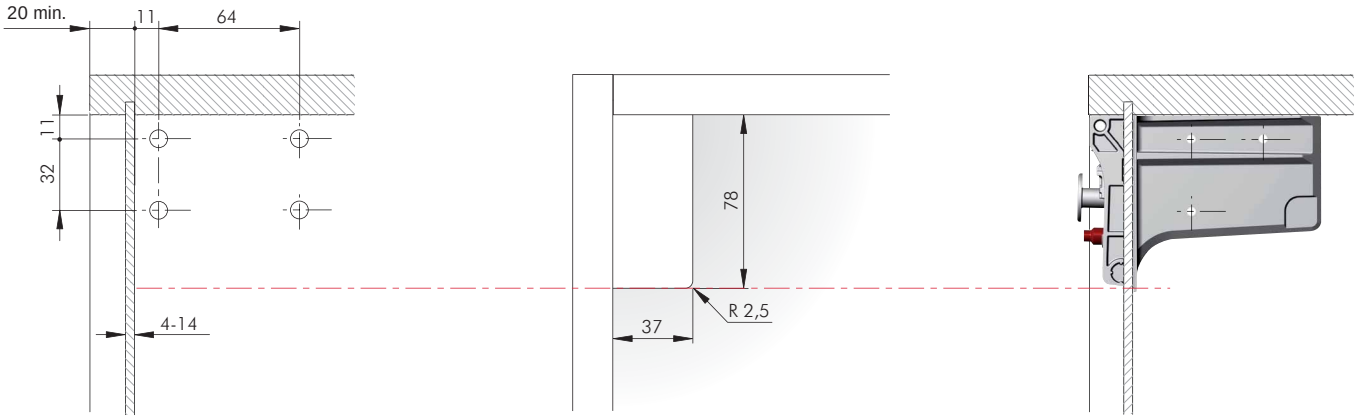
SIDE PANEL 15 MIN



DRILLING PLAN WITHOUT BACK PANEL

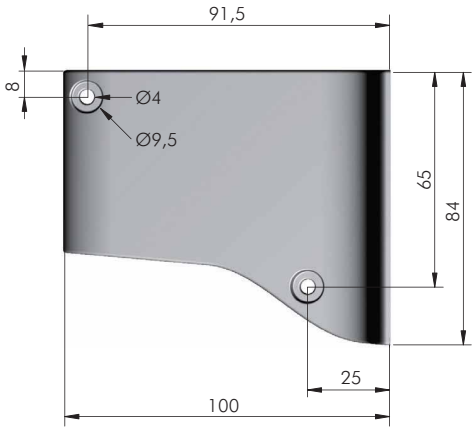


DRILLING PLAN WITH BACK PANEL WOOD THICKNESS 4 - 14 MM



LIBRA H7 COVER CAPS
LIBRA H7 INTEGRAL COVER

INSTALLATION

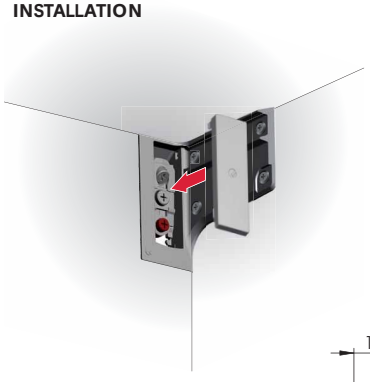


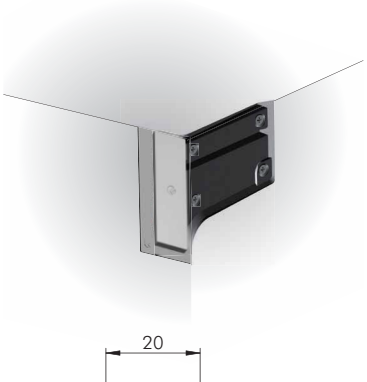
EP = 200 pcs.

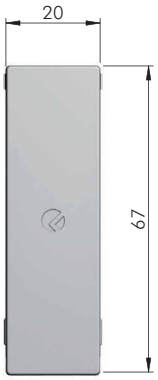
63490620AB	R
63490610AB	L
63490620EE	R
63490610EE	L
63490620IJ	R
63490610IJ	L

COVER CAP FOR LIBRA H7 ADJUSTMENTS

INSTALLATION





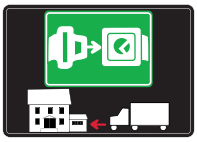


EP = 1.000 pcs.

63490600AB
63490600EE
63490600IJ

SYMBOLS AND FINISHES LEGEND

SYMBOLS



= SHELF SAFELY LOCKED DURING TRANSPORTATION AND AT HOME.

= ANTI-TURNOVER LOCKING SYSTEM

= NORMS / PATENTS

= PART NO.

= PCS. PER PACKAGE

= CAPACITY LOADING

= WOOD / GLASS THICKNESS

= HOLE DIAMETER

= DIAMETER

= LENGTH

= HEIGHT

= RIGHT VERSION

= LEFT VERSION

= SETTING CODE

= PCS. PER PAD

= CUT ON REQUEST

= SELF ADHESIVE

= PHILLIPS / POZIDRIV

= BLADE SLOT

= COMBI SLOT

= HEXAGONAL SOCKET

= HEXALOBULAR SOCKET

= COUNTERSUNK HEAD

= PAN HEAD

= FLANGE HEAD

= FLAT HEAD

= TRILOBULAR SCREW

= SELF-TAPPING SCREW

= EURO THREAD

= METRIC THREAD

= PRE-INSERTED SCREW

= PRE-INSERTED SCREW AND SPREADING BUSH

= WITH BUFFER

= WITH MAGNET

= NEWTON

= FRICTION

= AUTOMATIC

= DROP DOWN

= STANDARD HINGE

= KIMANA HINGE

= FLAP HINGE

= WITH SPRING

= WITHOUT SPRING

= REVERSED SPRING

= WITH FLANGE

NOTE: Printing errors and omissions may exist despite our best efforts to ensure accurancy. 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

TPU = Thermoplastic Polyurethane

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

EPb = Black Engineering Plastic

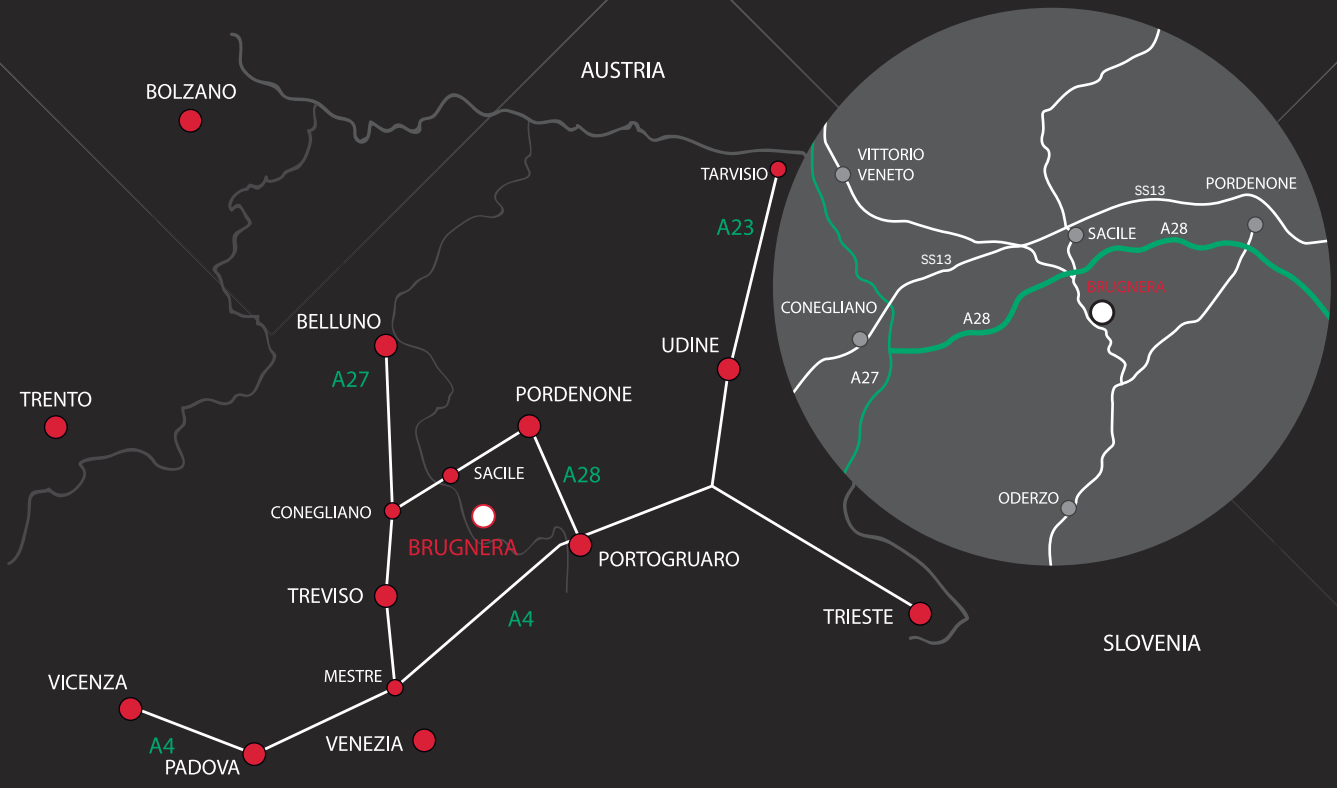
EPa = Anthracite Engineering Plastic

SRb = Black Soft Rubber

FINISHES

\+ = OTHER FINISHES AVAILABLE ON REQUEST

PART NO.	FINISHES	PART NO.	FINISHES	PART NO.	FINISHES
00	Insignificant finish	IF	Grey 7	XE	Inox
AA	Natural	IJ	Light Grey	YA	Nickel-plated
AB	White	IL	Grey 20	YC	Matt Nickel-plated
AE	White 9010	IN	Grey met. 26	YD	Satin-finished Nickel-plated
EA	Black	JG	Aluminium 5	YQ	Black Nickel
EC	Matt Black	JL	Aluminium PE 11	Z9	Black Zinc
EE	Anthracite	JM	Aluminium RAL 9006	ZN	Zinc-plated
EW	Grey 9007	KB	Bright Chrome	ZQ	Bright Gold
FU	Gunmetal	KC	Matt Chrome	ZZ	Clear/Transparent
FV	Gunmetal V52	LD	Brown 8019		
GR	Zamak Raw	RO	Red		
HA	Brass-Plated	UT	T-Met 9007		
HH	Tropicalized	UZ	T-Met		
HL	Raw Brass	WA	Bronzed		
HX	Graphite	WI	Burnished		
IA	Grey	XD	Satin-finished Steel		



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