

## 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.**

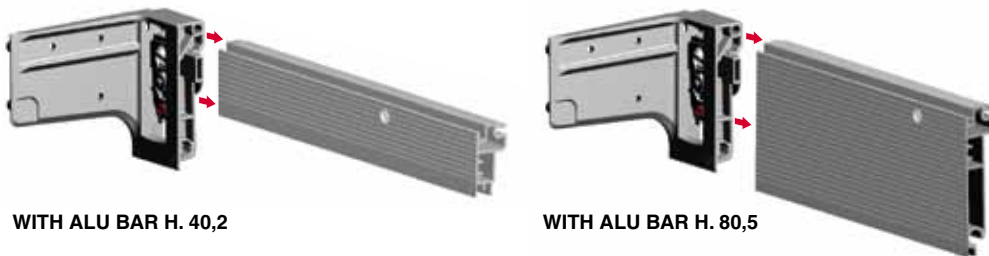
The customer must ensure that the wall is of suitable quality and structure.

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.**

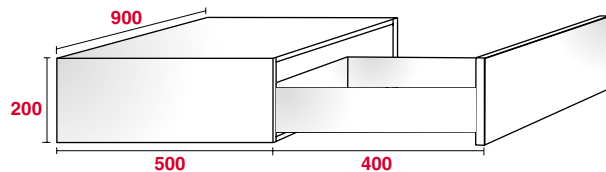
### LIBRA H7 DOWEL FIXING




WITH ALU BAR H. 40,2

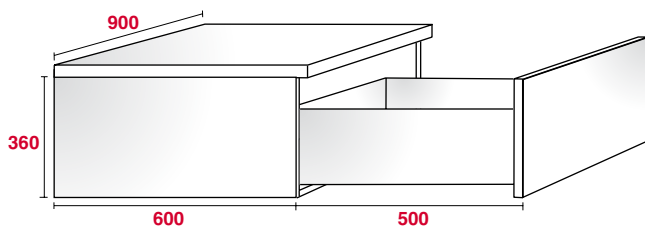
WITH ALU BAR H. 80,5


### LIBRA WP5



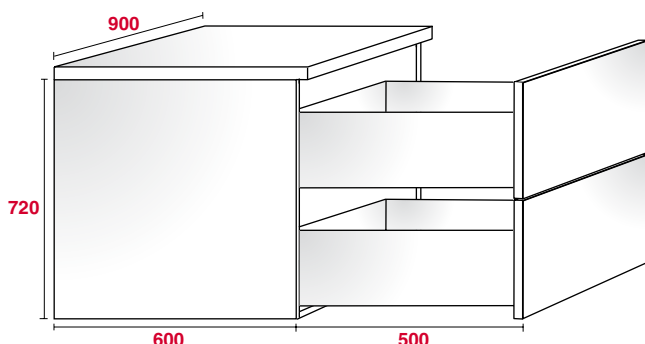
CAPACITY LOADING 			
LIBRA H7 AND CABINET WITH STRUCTURAL TOP		FURNITURE TYPE	LIBRA H7 DOWEL FIXING AND ALU BAR H. 40,2 WITH 2 EXTRA HANGING POINTS
SCREW FIXING	DOWEL FIXING		
120 Kg	120 Kg	Cabinet	160 Kg
80 Kg + 30 Kg	80 Kg + 30 Kg	Cabinet + drawer	120 Kg + 30 Kg


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



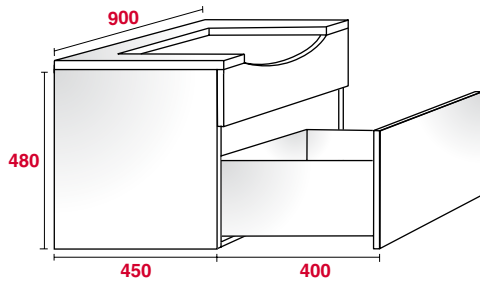
CAPACITY LOADING 			
LIBRA H7 AND CABINET WITH STRUCTURAL TOP		FURNITURE TYPE	LIBRA H7 DOWEL FIXING AND ALU BAR H. 40,2 WITH 2 EXTRA HANGING POINTS
SCREW FIXING	DOWEL FIXING		
160 Kg	150 Kg	Cabinet	180 Kg
120 Kg + 30 Kg	110 Kg + 30 Kg	Cabinet + drawer	140 Kg + 30 Kg


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



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

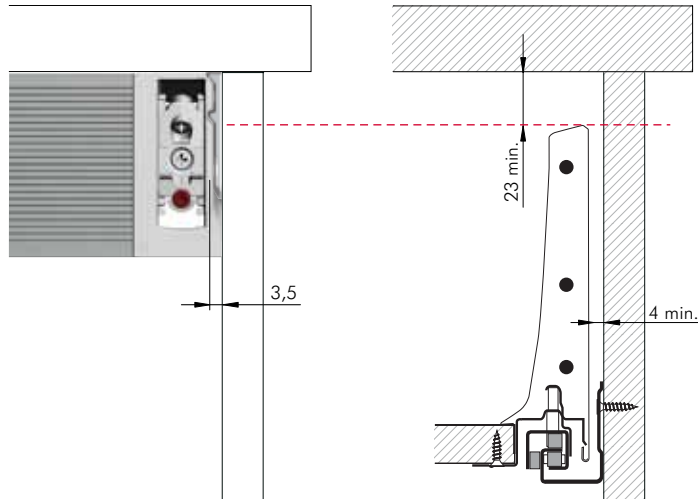
The reported data, empirically obtained, exclusively refer to the constructions and examples shown, correctly positioned and assembled by using WP5 wall plate.



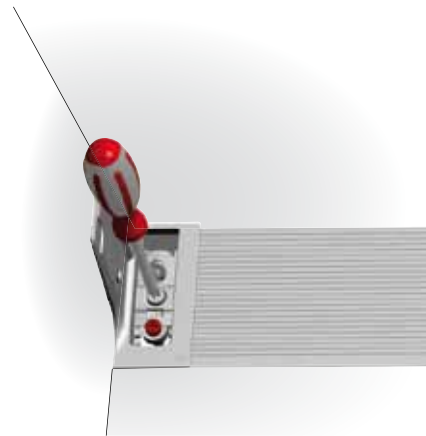
CAPACITY LOADING 			
LIBRA H7 AND CABINET WITH STRUCTURAL TOP		FURNITURE TYPE	LIBRA H7 DOWEL FIXING AND ALU BAR H. 40,2 WITH 2 EXTRA HANGING POINTS
SCREW FIXING	DOWEL FIXING		
200 Kg	170 Kg	Cabinet	210 Kg
160 Kg + 30 Kg	130 Kg + 30 Kg	Cabinet + drawer	170 Kg + 30 Kg

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

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



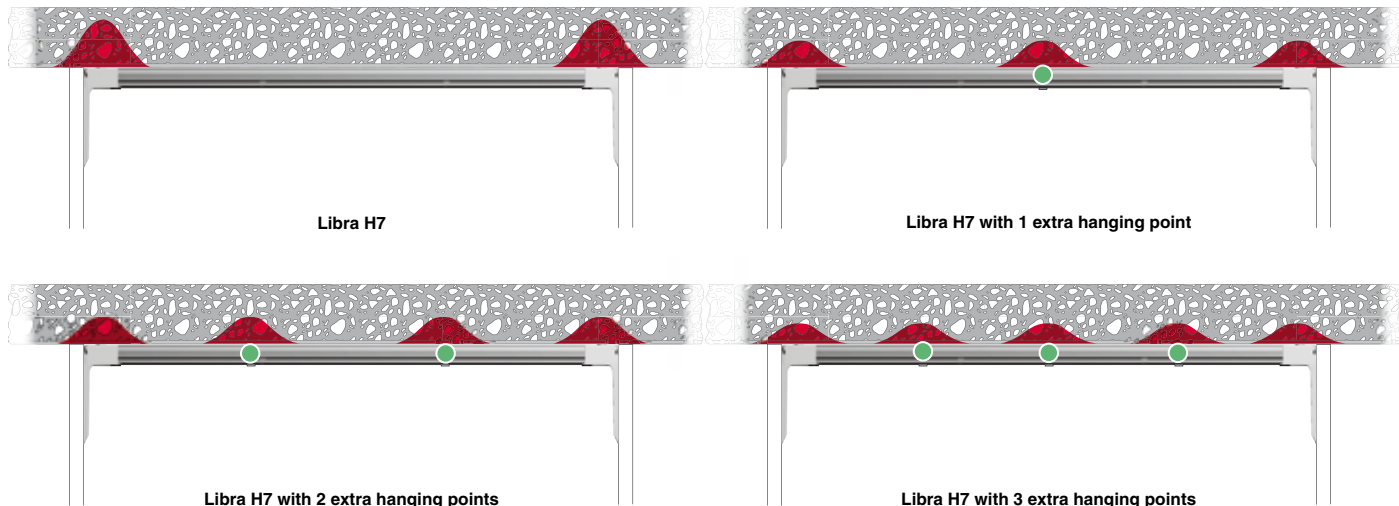
Easy access to the adjustments



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 capacity loading is more evenly distributed, thus sensibly reducing the stress intensity level on the wall.



## LIBRA H7 DOWEL FIXING WITH ALUMINIUM BAR LIVING SETTINGS



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

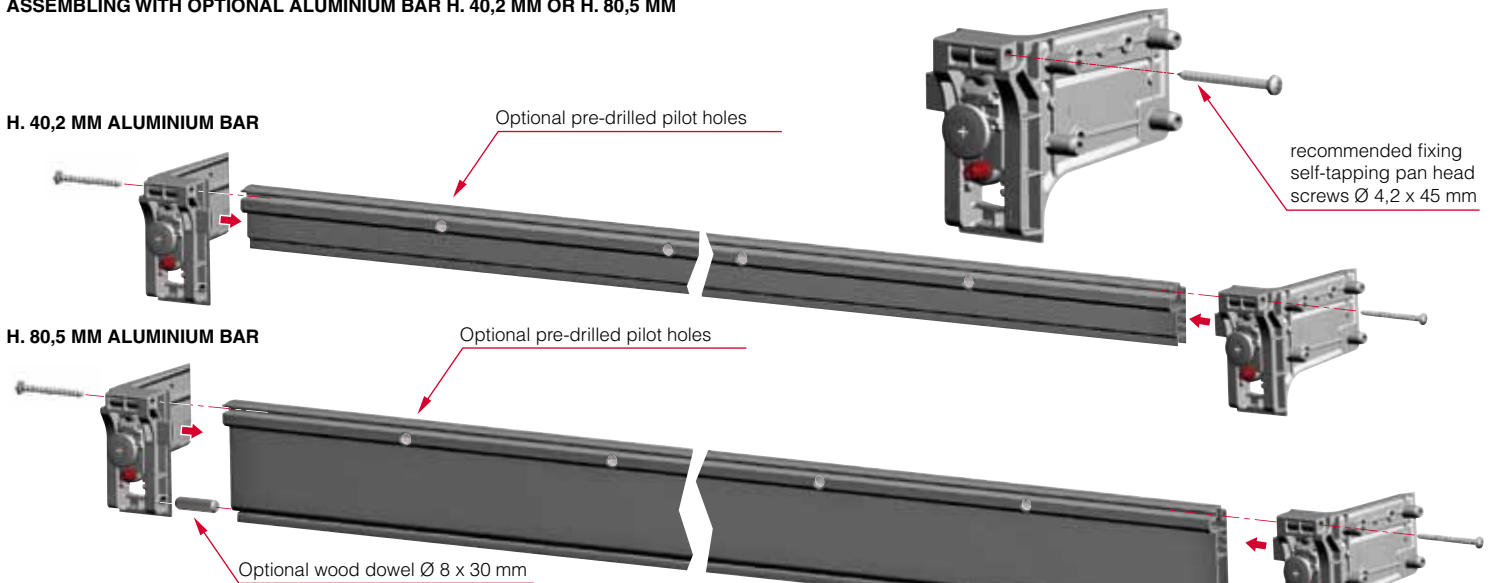


**LIBRA H7 with H. 80,5 aluminium bar.**  
Ideal for kitchen cabinets.

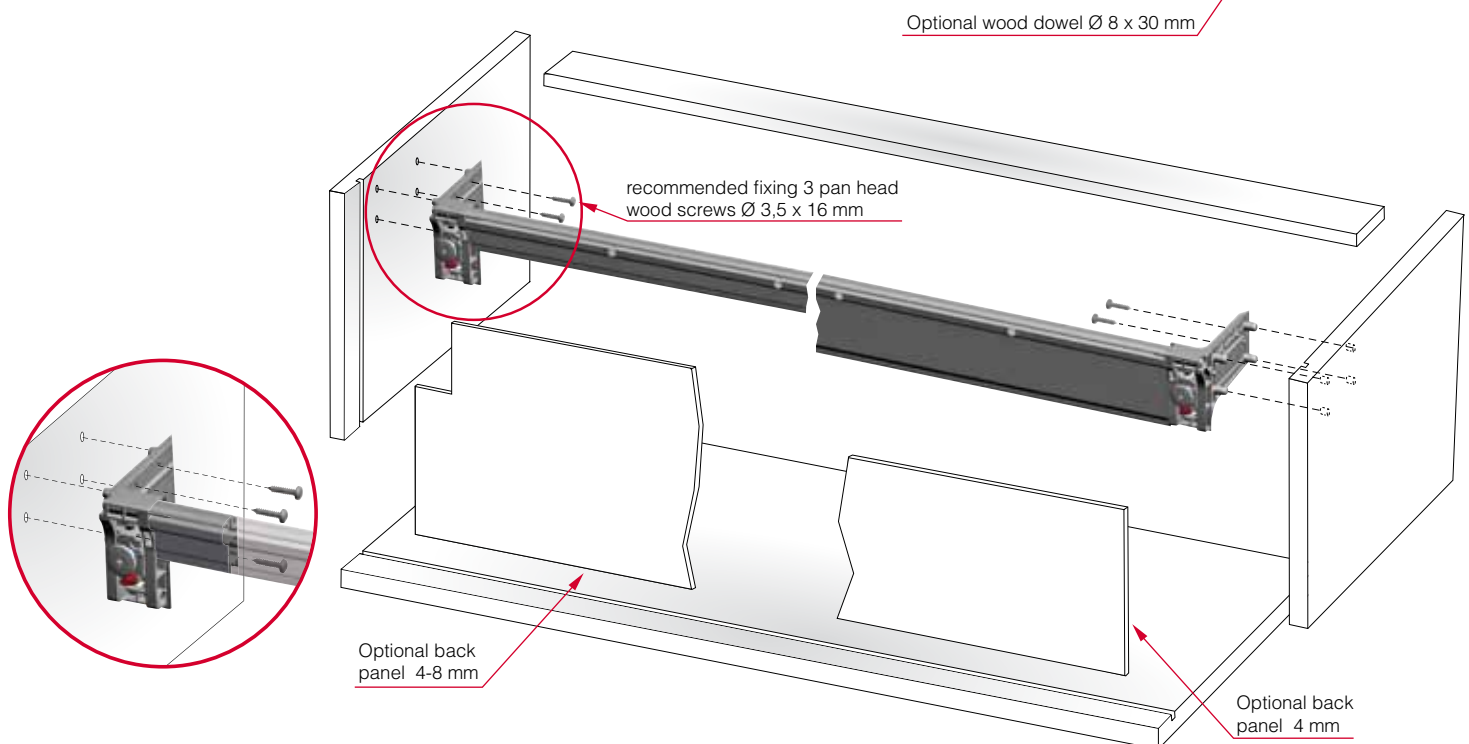
**LIBRA H7 DOWEL FIXING WITH "PEG JOINT" FOR ALUMINIUM BAR**



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

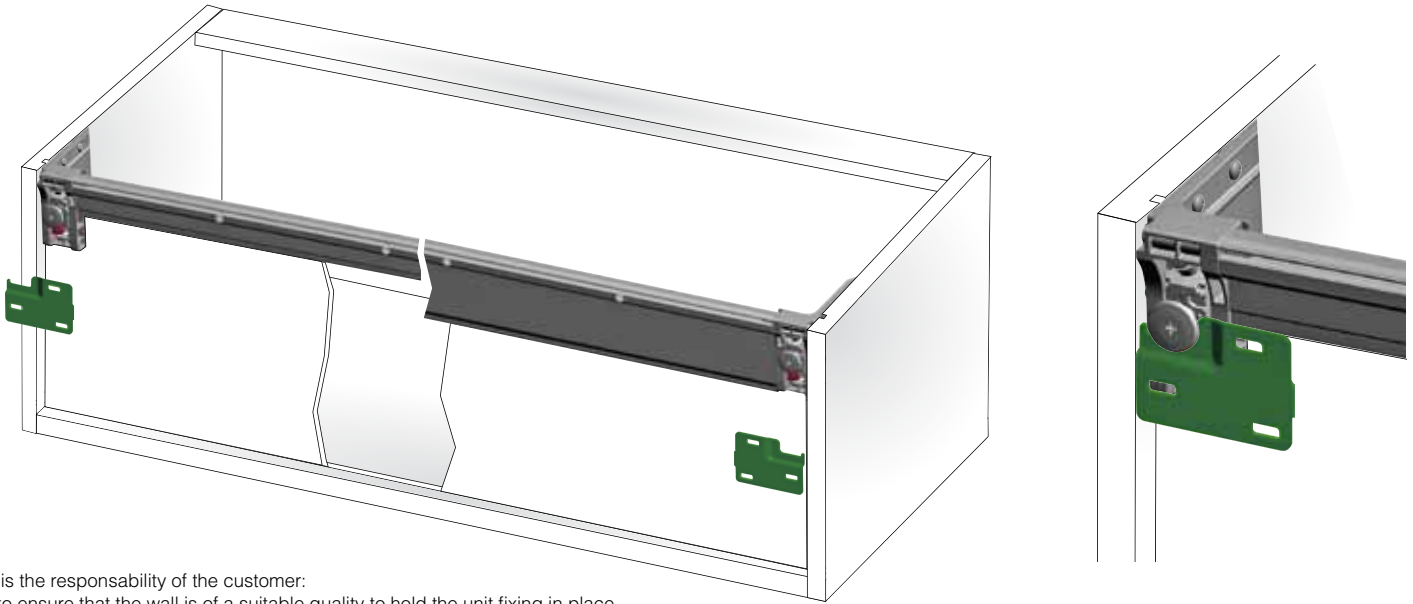


APPLICATION TO THE SUSPENDED BASE CABINET



**INSTALLATION ON THE WALL**

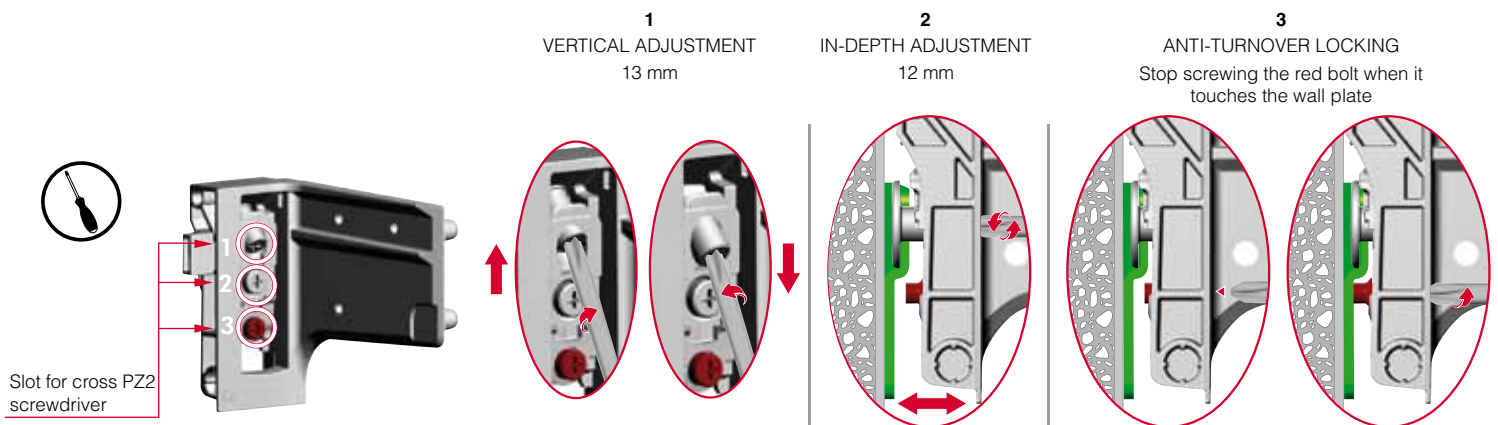
- For details refer to "LIBRA WALL PLATES: LIBRA WP5"



It is the responsibility of the customer:

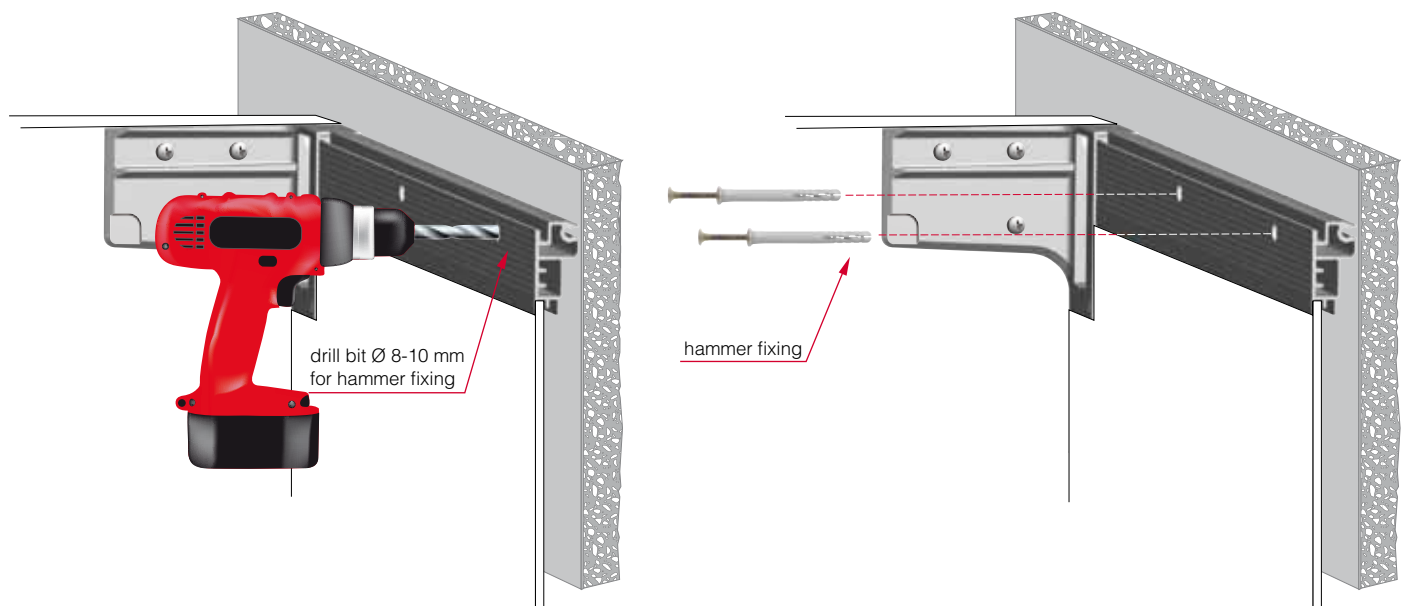
- to ensure that the wall is of a suitable quality to hold the unit fixing in place.
- to use the proper hardware fittings according to the construction of the wall.

**ADJUSTMENTS (STEP 1)**

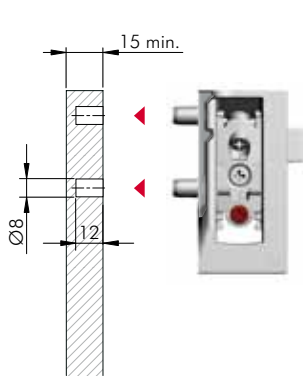


**EXTRA HANGING POINTS (STEP 2)**

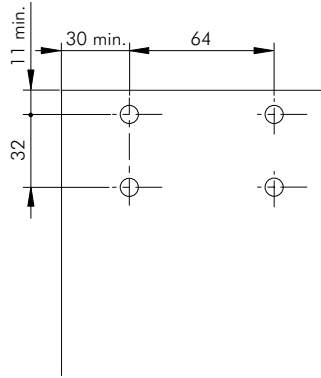
The pre-drilled pilot holes ease the drilling operations on the wall.  
Extra hanging points reduce the loading stress on the left/right wall plates.



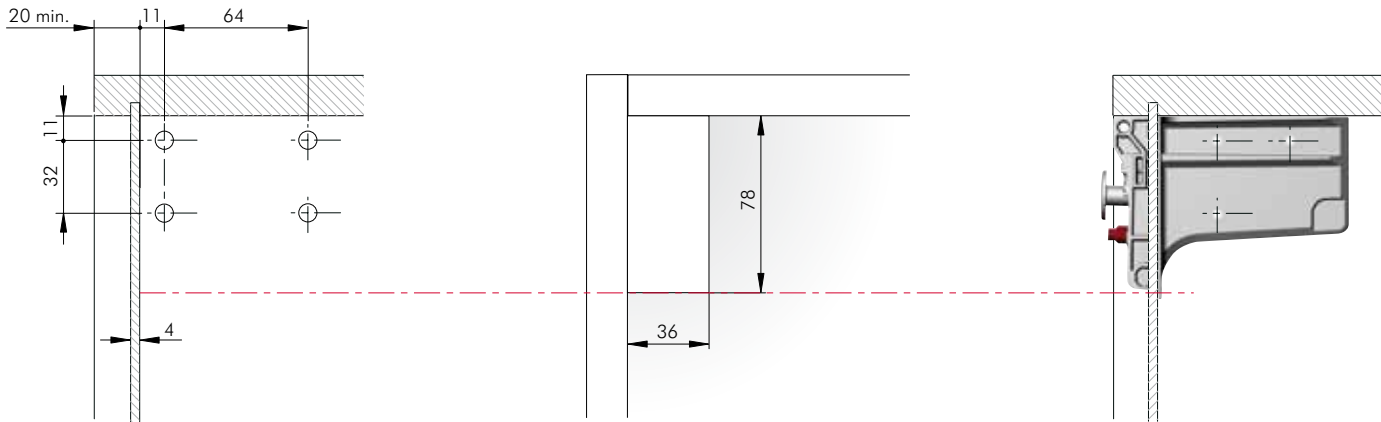
**SIDE PANEL 15 MIN**



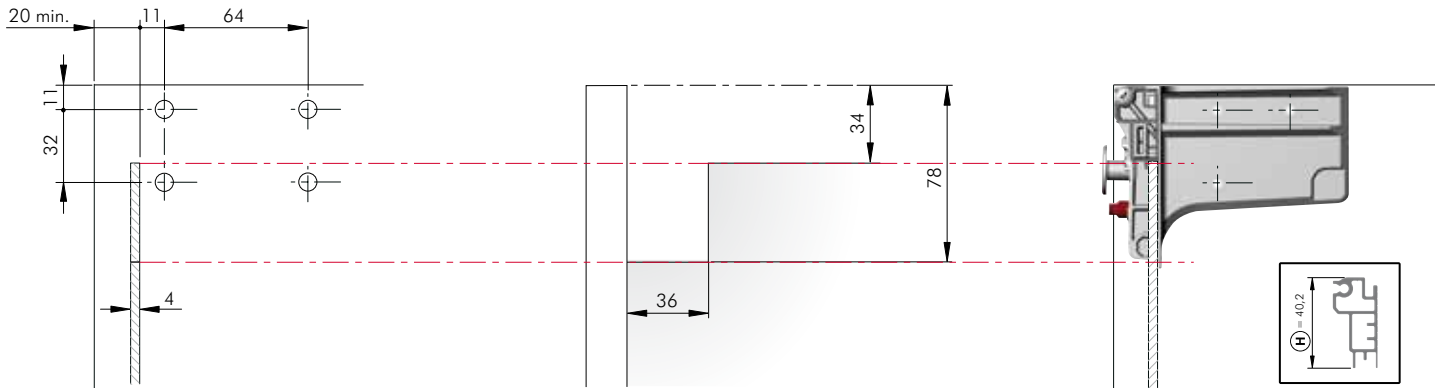
**DRILLING PLAN WITHOUT BACK PANEL**



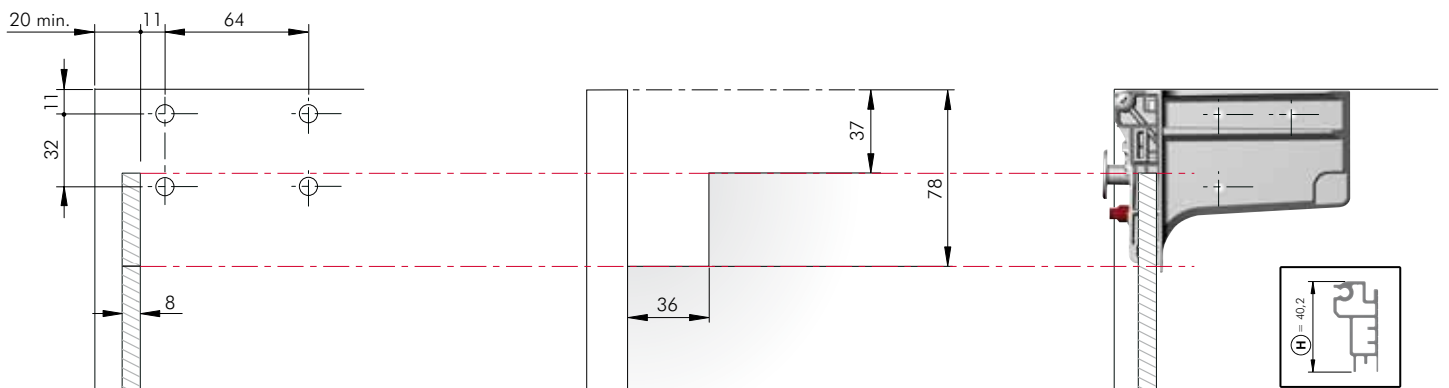
**DRILLING PLAN WITH BACK PANEL WOOD THICKNESS 4 MM**



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

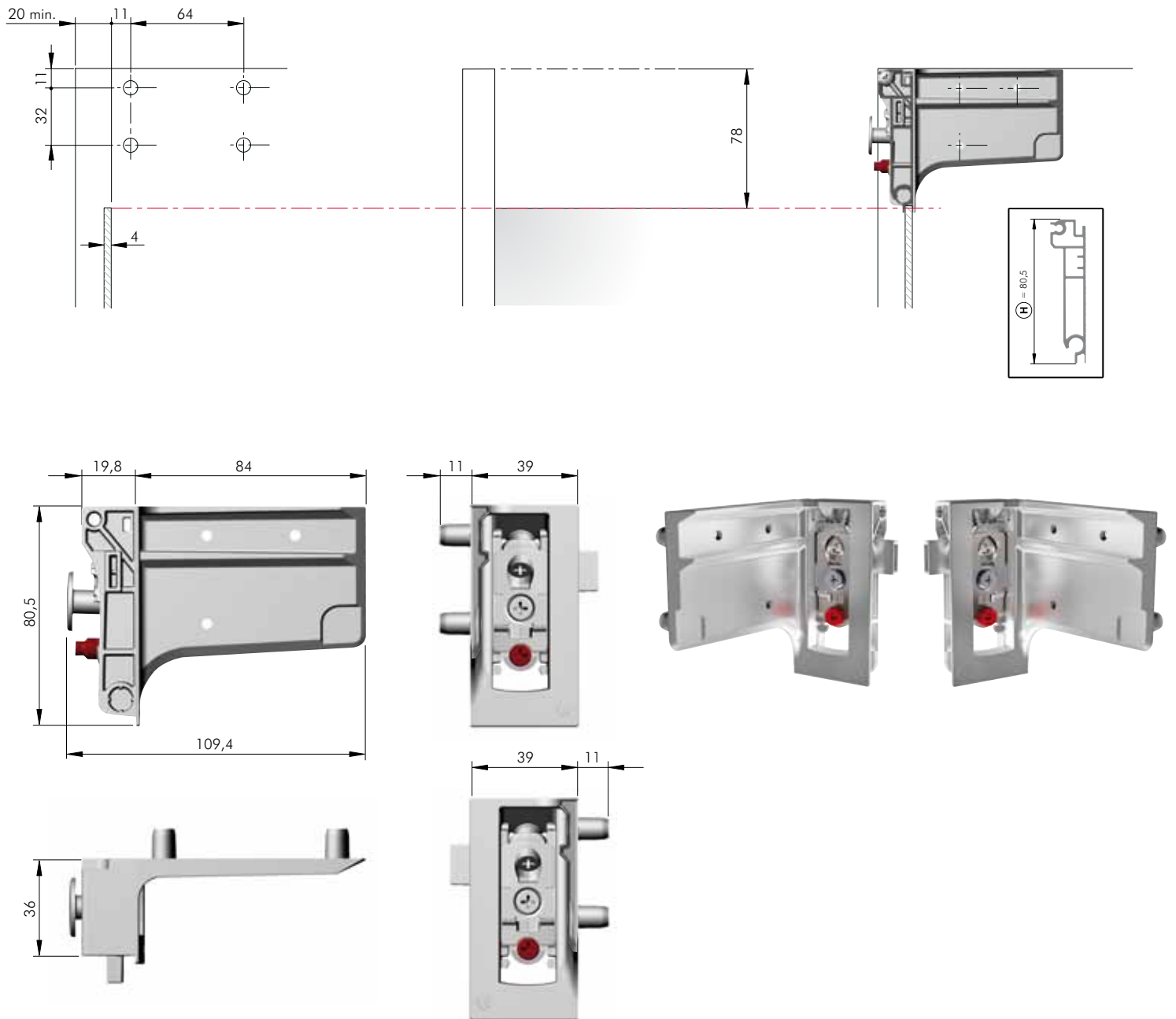


**DRILLING PLAN WITH BACK PANEL WOOD THICKNESS 8 MM AND H. 40,2 MM ALUMINIUM BAR**





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

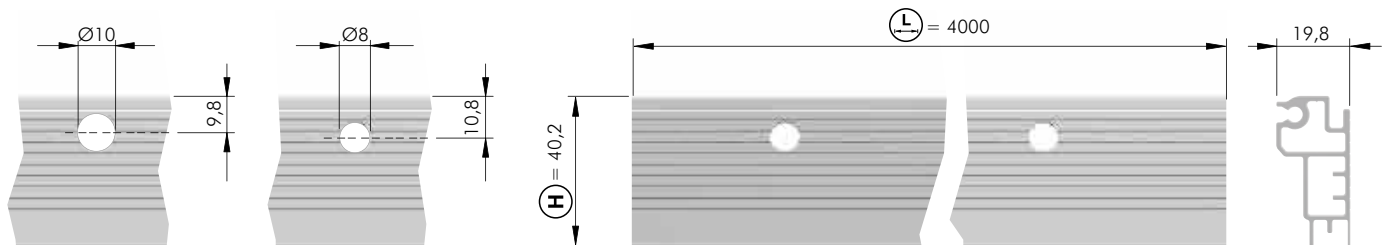


## LIBRA H7 ALUMINIUM BAR H. 40,2

TO BE CUT BY THE CUSTOMER

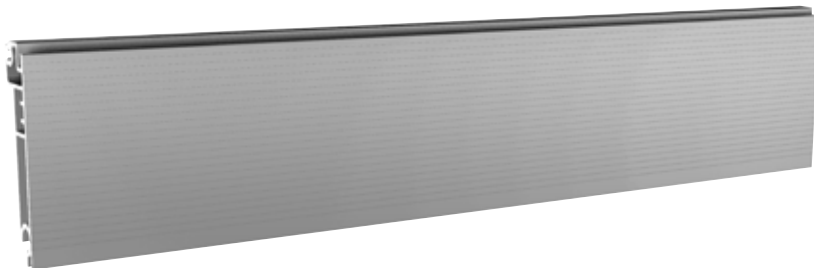


Optional pre-drilling operation/s to be carried out by the customer.

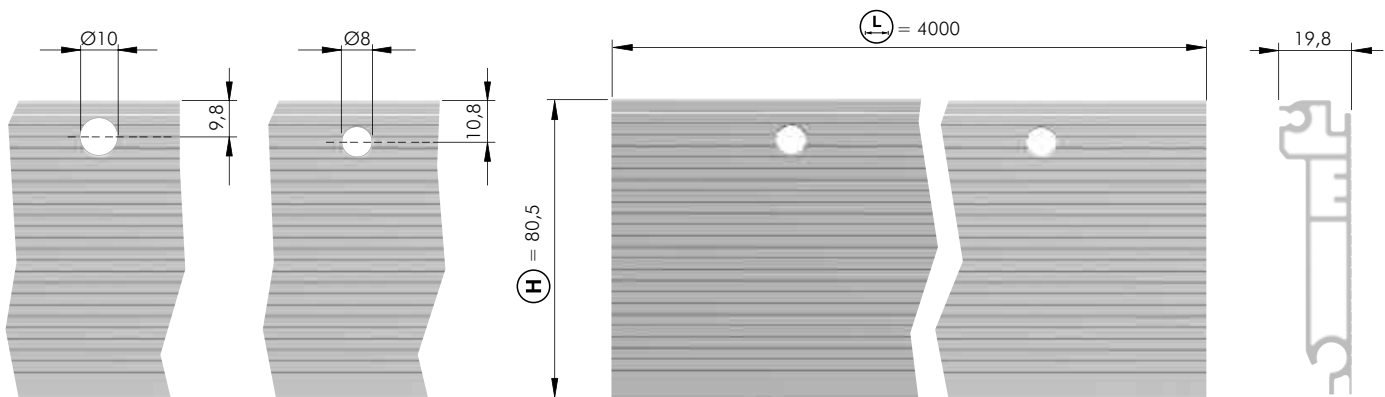


## LIBRA H7 ALUMINIUM BAR H. 80,5

TO BE CUT BY THE CUSTOMER



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

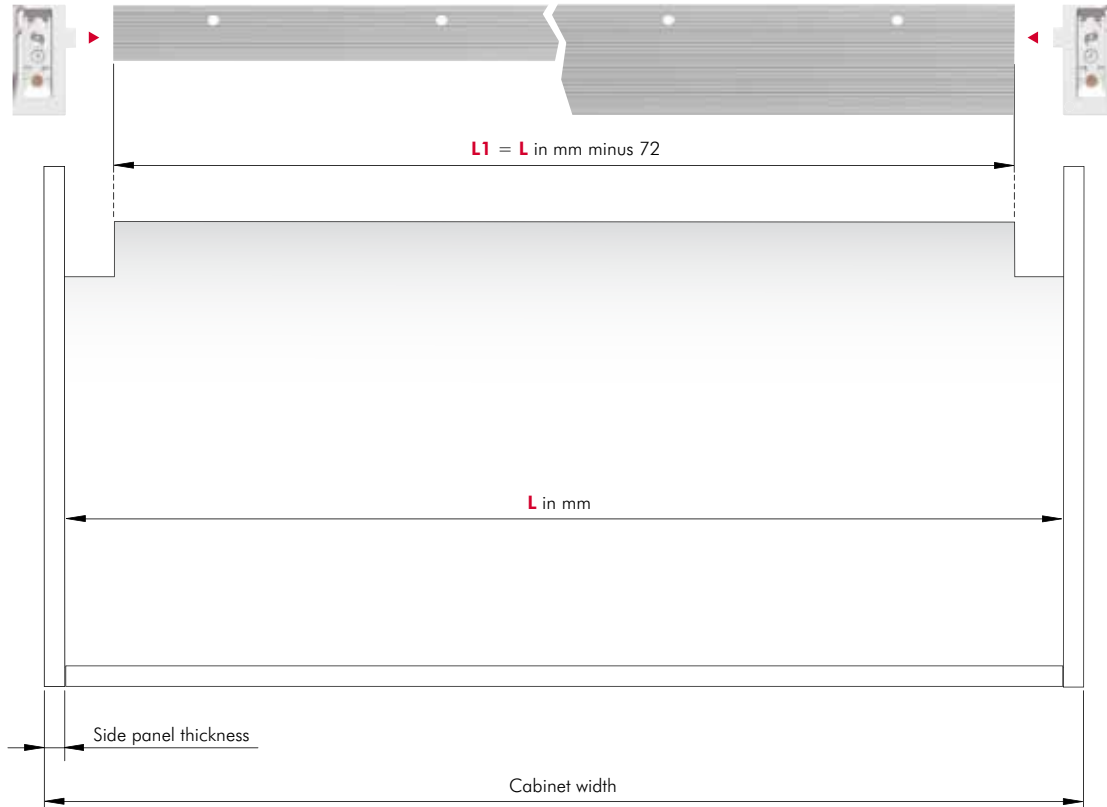




## LIBRA H7 ALUMINIUM BAR H. 40,2 AND H. 80,5 WITHOUT END ELEMENTS

TO BE CUT BY THE CUSTOMER

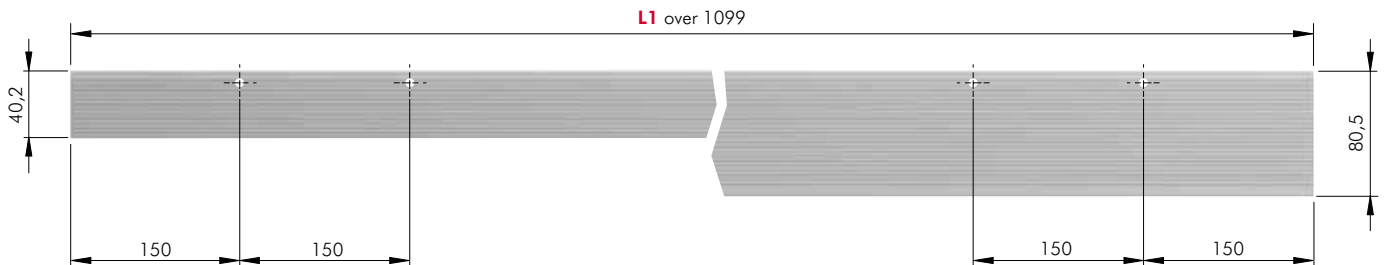
SUGGESTED POSITIONING OF PRE-DRILLED Ø 8 OR Ø 10 INTERMEDIATE PILOT HOLES ACORDING TO CABINET WIDTH



SUGGESTED COMBINATIONS:

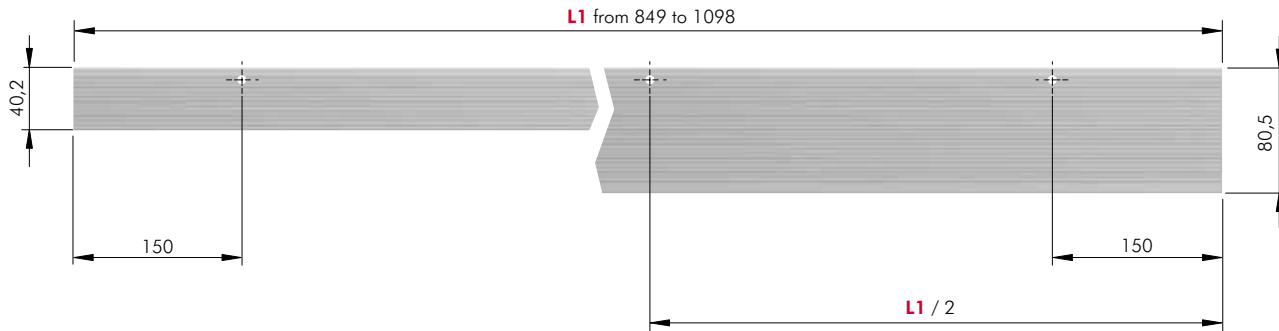
CABINET WIDTH (mm)	INTERMEDIATE PILOT HOLES
up to 450	-
from 451 to 600	1
from 601 to 950	2
from 951 to 1200	3
over 1201	4

**Cabinet width over 1201**

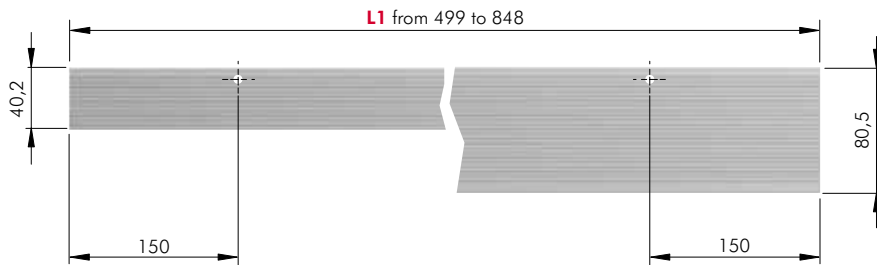


**CABINET WIDTH OVER 1201**

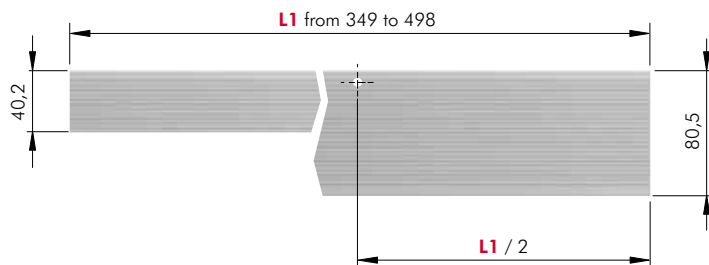
SIDE PANEL	L1
15	1099
16	1097
18	1093
19	1091

**Cabinet width from 951 to 1200**

**CABINET WIDTH FROM 951 TO 1200**

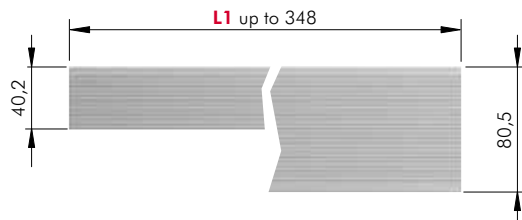
SIDE PANEL	FROM - TO
15	849 - 1098
16	847 - 1096
18	843 - 1092
19	841 - 1090

**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

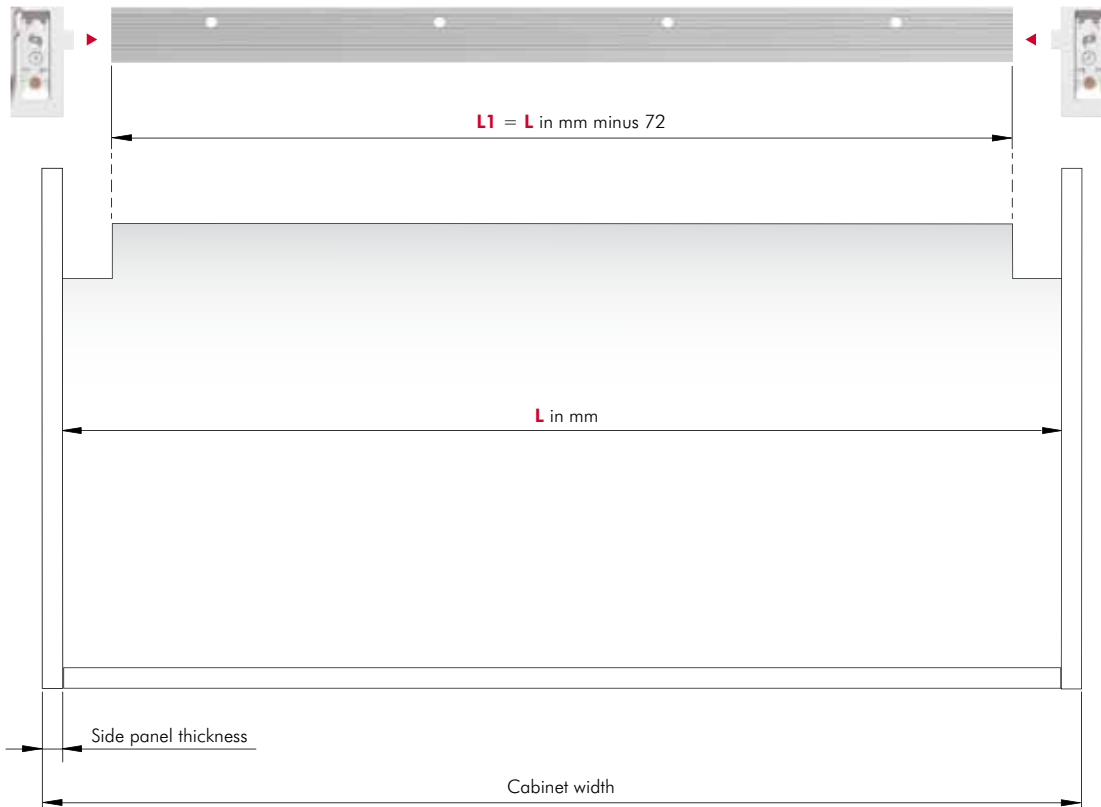
**Cabinet width from 451 to 600**

**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**

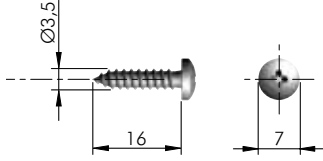
- 0 = without intermediate pilot hole
- 1 = with 1 intermediate pilot hole
- 2 = with 2 intermediate pilot holes
- 3 = with 3 intermediate pilot holes
- 4 = with 4 intermediate pilot holes

**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

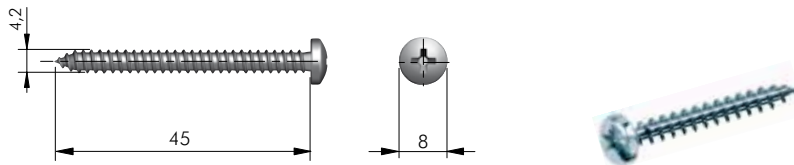
## **LIBRA H7 DOWEL FIXING ACCESSORY**

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

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## **LIBRA H7 H. 80,5 ALUMINIUM BAR FIXING ACCESSORY**

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