



#### **TECHNICAL DATA**

sides (end and middle) the sides are made of two vertical uprights welded to horizontal beams. Uprights and beams are made of 20x20 mm square section steel tubular bars, 1.5 mm thick, coated with epoxy powder and with an embossed finish. The lower end of each upright has a cap into which a leveling foot is screwed, allowing a +10 mm adjustment for perfect adherence to the floor. The uprights are available in 5 heights: 46/84/122/160/78". The middle upright is provided with double holes to fix the shelves on both sides.

shelves

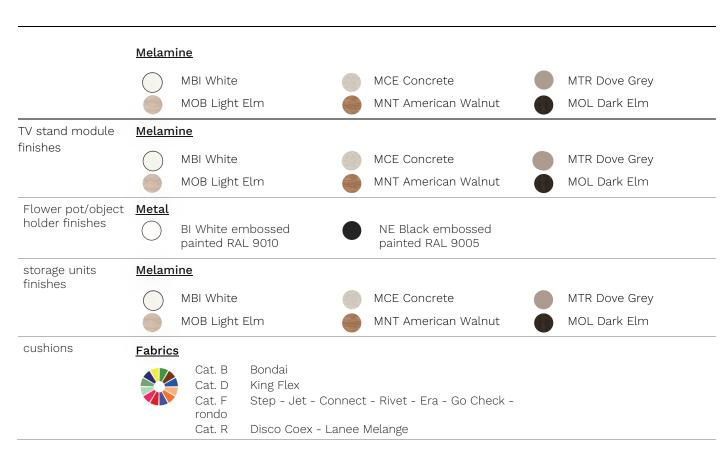
3 types of shelves:

<u>metal-metal</u>: composed of two elements, one made of a 1 mm thick steel sheet, with load-bearing function, bent and welded to form a "containing" tray. This element is attached with screws to the side's uprights and beams. A top is inserted inside this tray, which acts as a filler, made of a 1-mm-thick steel sheet, bent and welded. The maximum load capacity is of 30 kg.

metal-melamine: composed of two elements, one made of a 1 mm thick steel sheet, with a load-bearing function, folded and welded to form a kind of tray. This element is attached with screws to the side's uprights and beams. A second shelf is inserted inside this tray, which acts as a melamine filler, and is 18 mm thick (density 720 kg/m3, formaldehyde emission class E1, meets CARB requirements), faced with anti-reflective melamine resins and edged with ABS. The maximum load capacity is of 30 kg.

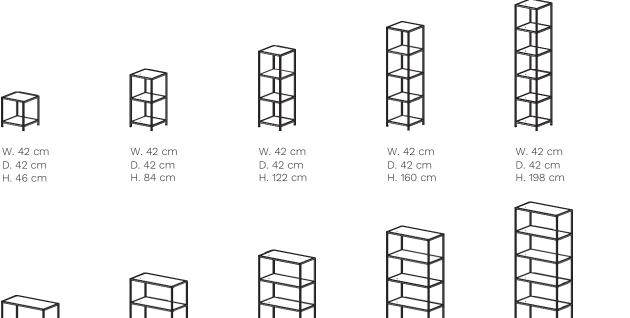
metal-glass: composed of two elements, one made of a 1-mm-thick steel sheet with a load-bearing function, bent and welded to form a kind of tray. This element is attached with screws to the side's uprights and beams. Inside this tray a 12-mm-thick melamine shelf is inserted, and above it a 4-mm-thick glass shelf, tempered according to EN 12150, acid-etched on the upper side and painted with water-based tints on the lower side (if the painting is white or taupe, extra-clear glass is used). The maximum load capacity is of 30 kg. The internal shelves can be attached to the metal tray with strong double-sided adhesive tape (not mandatory). The shelves are offered in 2 widths: 38 and 29"7/8. A metal hanging shelf W. 29"7/8 is available. Shelf depth 16"1/2 (depth of shelf combined with H. 74 and H. 113/4" boards is 16"1/2)

back panels	the back panels are made of a 1 mm thick steel plate, bent and welded to form a vertical hollow box element on the inside, which must be completed with finishing infills. They are fastened to the uprights with screws. In the case of wall-mounted bookcases, it's possible to install the back without an inner finishing panel.  Finishing infills can be made of:  - 1 mm thick steel sheet, bent and welded.  - 18 mm thick melamine (density 720 kg/m3, formaldehyde emission class E1, meets the requirements of CARB), faced with anti-reflective melamine resins and edged with ABS.  - 19 mm thick mdf board, on which you can write. The blackboard can be written on with chalk, while on the white board special dry erase markers should be used.  The infills must be compulsorily fastened to the metal support with double-sided strong adhesive tape. For each compartment it's mandatory to provide at least one back panel that serves as bracing. Back panel dimensions: W. 38 and 29"7/8 D. 3/4" H. 14"1/8.  Bookcase modules with H. 160 and 78" must be compulsorily fixed to the wall by means of brackets.		
TV stand module	this stand is made of four 18 mm thick melamine panels, joined together with screws and dowel nuts to form a kind of open box. The module includes an adjustable VESA TV stand bracket to support multiple monitor sizes and 2 Ø 8 cm holes for cable routing. On the side of the module, at the bottom, there are also 2 Ø 6 cm holes for optional insertion of HDMI and RJ45 sockets. The TV module is attached to the uprights of the sides and is intended for bookcases with a height of 122/160/78". Bookcases with the TV holder module must be compulsorily fixed to the wall by means of brackets.  TV stand module dimensions:  W. 46"1/2 D. 10 cm H. 29"7/8 (for screens up to 50")  W. 60"5/8 D. 10 cm H. 111"5/8 (for screens up to 65")"		
flower pots / object holder	made of a 1.5 mm thick steel sheet, bent and welded, epoxy powder coated with an embossed finish. Dimensions: W. 38/29"7/8 D. 15" H. 5"7/8.		
open storage units and storage with swing door	made of 18 mm thick melamine (density 720 kg/m3, formaldehyde emission class E1, meets CARB requirements), faced with anti-reflective melamine resins and edged with ABS. The door is equipped with push-pull opening.  Dimensions: W. 38/29"7/8 D. 14"1/8 H. 14"1/8.		
storage unit with tilting door	made of 18 mm thick melamine (density 720 kg/m3, formaldehyde emission class E1, meets CARB requirements), faced with anti-reflective melamine resins and edged with ABS. The door is equipped with push-pull opening with upward opening. Dimensions: W. 29"7/8 D. 15" H. 14"1/8.		
cushion	the base is made of a Ø 16"1/2 circular melamine panel, padded with 40 kg/m3 polyurethane foam. It's upholstered in fabric with a non-slip PVC bottom.		
structure finishes	Metal		
	BI White embossed painted RAL 9010	NE Black embossed painted RAL 9005	
shelves finishes	<u>Metal</u>		
	BI White embossed painted RAL 9010	NE Black embossed painted RAL 9005	
	<u>Melamine</u>		
	MBI White	MCE Concrete	MTR Dove Grey
	MOB Light Elm	MNT American Walnut	MOL Dark Elm
	<u>Glass</u>		
	VBI White	VTR Dove Grey	■ VNE Black
		· · · · · · · · · · · · · · · · · · ·	Stati
back panel finishes	Metal  BI White embossed painted RAL 9010	NE Black embossed painted RAL 9005	



### **ABACUS**

**BOOKCASE MODULES** 





D. 42 cm H. 46 cm



W. 80 cm D. 42 cm H. 84 cm



D. 42 cm H. 122 cm



W. 80 cm D. 42 cm H. 160 cm



W. 80 cm D. 42 cm H. 198 cm

### INTERMEDIATE BOOKCASE MODULES



W. 40 cm D. 42 cm H. 46 cm



W. 40 cm D. 42 cm H. 84 cm



W. 40 cm D. 42 cm H. 122 cm



W. 40 cm D. 42 cm H. 160 cm



W. 40 cm D. 42 cm H. 198 cm



W. 78 cm D. 42 cm H. 46 cm



W. 78 cm D. 42 cm H. 84 cm



W. 78 cm D. 42 cm H. 122 cm



W. 78 cm D. 42 cm H. 160 cm



W. 78 cm D. 42 cm H. 198 cm

### TV STAND MODULES



W. 118 cm D. 42 cm H. 122 cm



W. 118 cm D. 42 cm H. 160 cm



W. 118 cm D. 42 cm H. 198 cm

INTERMEDIATE MODULES

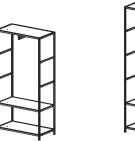


W. 118 cm D. 42 cm H. 160 cm

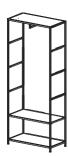


W. 118 cm D. 42 cm H. 198 cm

## MODULES WITH RAIL



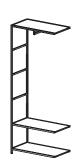
W. 80 cm D. 42 cm H. 160 cm



W. 80 cm D. 42 cm H. 198 cm

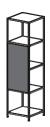


W. 80 cm D. 42 cm H. 160 cm

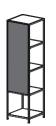


W. 80 cm D. 42 cm H. 198 cm

### BLACKBOARD MODULES



W. 42 cm D. 42 cm H. 160 cm



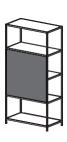
W. 42 cm D. 42 cm H. 160 cm



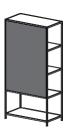
W. 42 cm D. 42 cm H. 198 cm



W. 42 cm D. 42 cm H. 198 cm



W. 80 cm D. 42 cm H. 160 cm



W. 80 cm D. 42 cm H. 160 cm



W. 80 cm D. 42 cm H. 198 cm

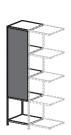


W. 80 cm D. 42 cm H. 198 cm

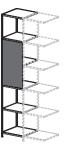
### INTERMEDIATE BLACKBOARD MODULES



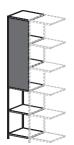
W. 40 cm D. 42 cm H. 160 cm



W. 40 cm D. 42 cm H. 160 cm



W. 40 cm D. 42 cm H. 198 cm



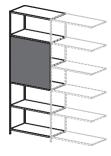
W. 40 cm D. 42 cm H. 198 cm



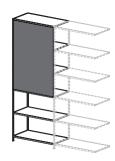
W. 78 cm D. 42 cm H. 160 cm



W. 78 cm D. 42 cm H. 160 cm



W. 78 cm D. 42 cm H. 198 cm



W. 78 cm D. 42 cm H. 198 cm

### SHELVES





metal – metal W. 38 / 76 cm D. 42 cm H. 2 cm

Shelves with rail



metal – melamine W. 38 / 76 cm D. 42 cm H. 2 cm



metal – glass W. 38 / 76 cm D. 42 cm

H. 2 cm





H. 2 cm



metal – melamine W. 76 cm D. 42 cm H. 2 cm



metal – glass W. 76 cm D. 42 cm H. 2 cm





metal – metal W. 38 / 76 cm D. 2 cm



metal – melamine W. 38 / 76 cm D. 2 cm





H. 36 cm

FLOWER POT/OBJECT HOLDER



W. 38 cm D. 38 cm H. 15 cm



H. 36 cm

metal – blackboard W. 38 / 76 cm D. 2 cm H. 36 cm

CUSHION



W. 76 cm D. 38 cm H. 15 cm

Ø 40 cm

H. 4 cm

STORAGE UNITS



W. 38 cm D. 36 cm H. 36 cm



W. 38 cm D. 38 cm H. 36 cm



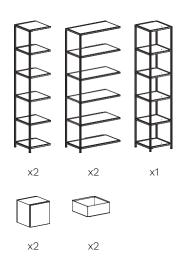
W. 76 cm D. 36 cm H. 36 cm



W. 76 cm D. 38 cm H. 36 cm

# **COMPOSITION EXAMPLES**

# Composition A





# Composition B



