



**echelon**

bottle storage system

# modular bottle storage system

## ARCHITECTURAL CONFIGURATION

The heart of the echelon wine rack is the unique S-shaped Bottle Module.

These are made from extruded aluminium and coated with a natural satin anodising. Each individual module slides and snaps together to form the bottom of one bottle cavity and the top of the next. In this way stacks can be built to the required height working from the base up. Multiple stacks can then nest side by side to create a continuous storage rack. The system is very space efficient with a capacity of over 90 bottles per square metre.

Stacks can be built into joinery or attached directly to the wall. Each module is supplied with a centre hole through which a tube is inserted once stack is assembled. Wall brackets hook around this tube and screw to the wall to secure. Ensure that the stacks are placed on a horizontal surface with adequate strength to support weight of rack and bottles.

Modules can be offset from the wall by using vertical batons behind each stack. This enables bottles to sit deeper in the rack and can also allow artificial light to filter behind for visual effect.

The design is patent pending.



One stack of six Bottle Modules



Two stacks of six Bottle Modules

## How to Calculate Height and Width for Multiple Stacks

### HEIGHT

The Base Module has a height of 15mm.  
Each Bottle Module adds 52mm.

Calculation example:  
Stack of 12 Bottle Modules

+	1 x Base Module	15mm
	12 x Bottle Modules @ 52mm	624mm
	<b>TOTAL HEIGHT</b>	<b>639mm</b>

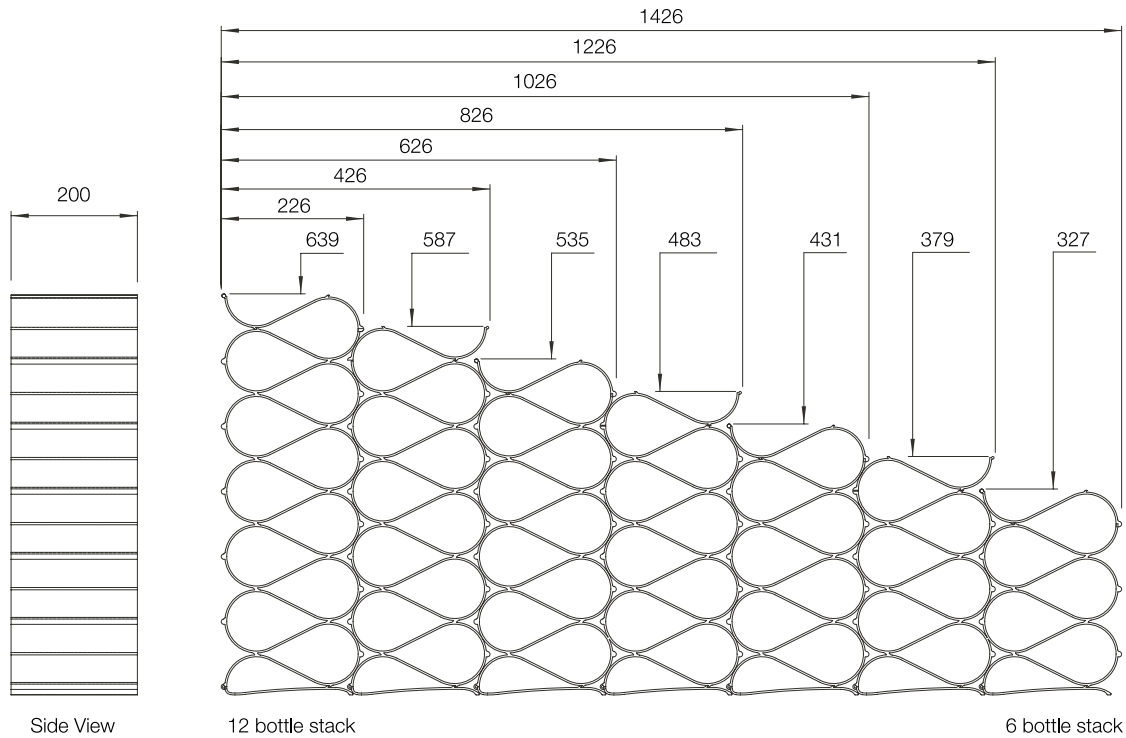
### WIDTH

One stack of Bottle Modules has a width of 226mm. Each additional stack adds 200mm.

Calculation example:  
Multi-storage unit four stacks wide

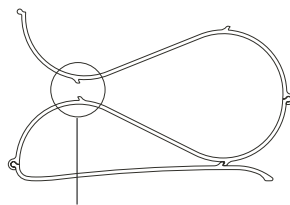
+	1st Stack	226mm
	3 x Additional Stacks @ 200mm	600mm
	<b>TOTAL WIDTH</b>	<b>826mm</b>

## Examples of Stack Height and Width



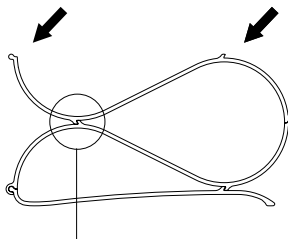
## Assembly Instructions

Assemble modules using this method:



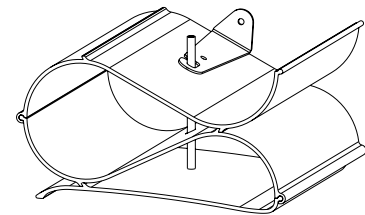
Keep dovetails separate

1. Slide modules together as shown.  
Ensure that dovetails are separated.



Dovetails snap together

2. When in position, apply pressure where indicated by arrows. The flexibility of the aluminium will allow the dovetails to snap together. Add additional modules to build stack.

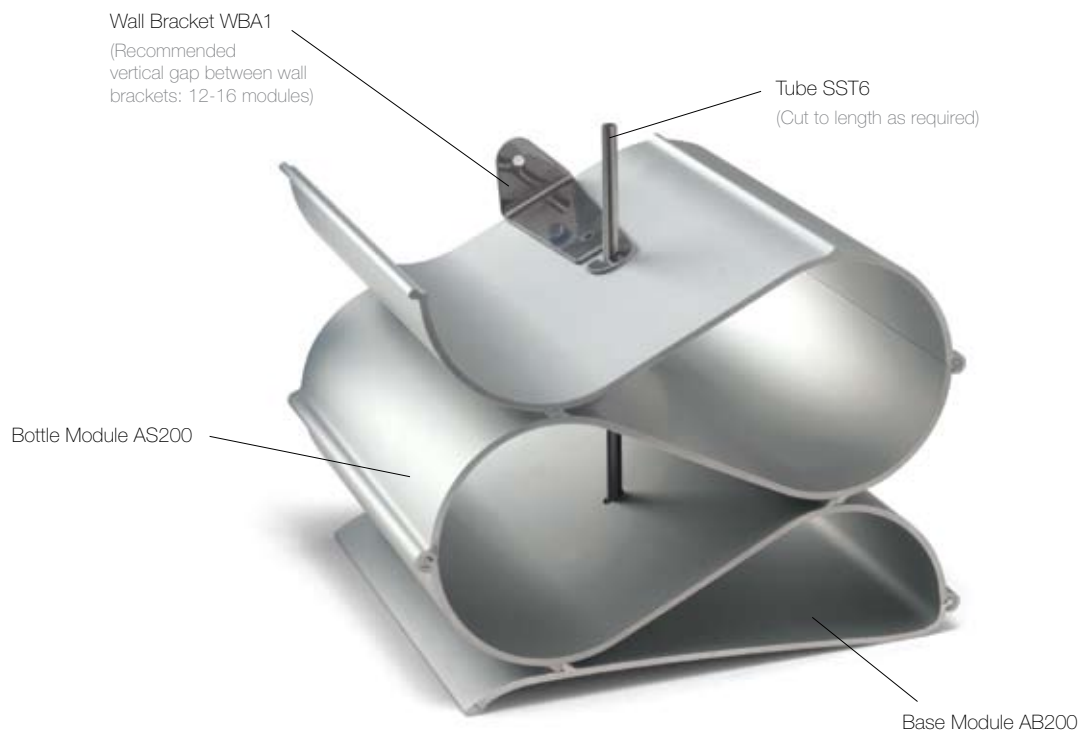


3. When stack is complete, insert tube through centre holes.

4. Locate stack into position and hook Wall Brackets around tube. Secure to wall using appropriate fasteners.

## Parts List

ITEM	PART #	DESCRIPTION	UNIT WEIGHT	CARTON CONFIGURATION
	AS200	Aluminium Bottle Module 200mm depth (front to rear) Supplied with centre hole for tube & bracket	480gm (1lb 1oz)	24 per carton carton weight: 12.2kg (27lb) 23cm x 33cm x 25cm
	AB200	Aluminium Base Module 200mm depth (front to rear)	350gm (12oz)	As required
	WBA1	Stainless Steel Wall Bracket Use with 1/4" or 6mm tube/rod to secure racks to wall	40gm (1.5oz)	As required
	SST6	Stainless Steel Tube 6.35mm diameter. To calculate length required: Total stack height minus 30mm, eg. 6 bottle rack: 326mm – 30mm = 296mm	120gm/m (4.3oz/ft)	As required
	TDP1	Tube Dowel - use to connect tubes when configuring non-standard heights	-	As required



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