



Est. 2010 — The Wine Storage Specialist

ASSEMBLY INSTRUCTIONS

Timber Wine Rack

Assembling one square or rectangular unit. Three steps with a rubber mallet. Wall brackets only where the rack needs them.

WATCH IT ASSEMBLED

Scan for the step-by-step video guide. It covers Part one, the build itself, with every instruction timed to the video so you can jump to the step you are on. The wall brackets in Part two are not in it.

kingsbottle.com/pages/timber-wine-rack-assembly
kingsbottle.com.au/pages/timber-wine-rack-assembly



UNITED STATES



AUSTRALIA

BEFORE YOU START

Work on a flat, level surface with room on all four sides.

Tools: a **rubber mallet** for Part one — nothing else is needed to build the rack. Only if you are fitting wall brackets does Part two add a **drill** and **screwdriver**.

Unpack fully and check the parts against the bill of materials for your size (see the appendix).

Keep the neck protectors aside until the frame is complete.

SAFETY

Never use a steel hammer on the timber. It crushes the slat ends and the joint will not hold.

Do not load bottles until the frame is fully seated and, where required, fixed to the wall.

Where wall brackets are needed, fit them before the rack is loaded — four per unit, one at each corner. Part two says which racks need them.

WHAT IS IN THE BOX

Timber slats

The horizontal timber pieces that carry the bottles.

Neck protectors

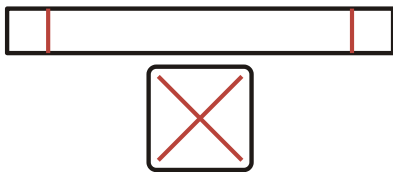
Clip onto the front frame to stop bottle necks slipping out.

Metal pieces MP01–MP12

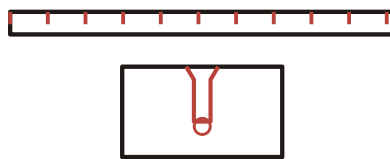
The steel frame members. Lengths differ — check the appendix for which your size uses.

Wall brackets

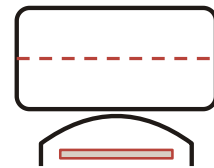
Ordered separately. 237 mm long, supplied with plug and screw.

**TIMBER SLAT**

235 mm long, 27 mm square. A 1 mm slot at each end, on both diagonals of the section — the slat sits at 45°, so the slots line up with the two bar directions.

**METAL BAR MP01–MP12**

22.5 mm wide, 1 mm thick. Slots at a 95.5 mm pitch — one for every grid node. Length varies with capacity; pitch and section do not.

**NECK PROTECTOR**

55.3 × 28 mm. The crown clips down over a horizontal bar. Vertical bars carry none. One per bottle position.

Connector clips, metal connector pieces and wall brackets are ordered separately and are not shown above. Millimetres throughout; drawings are not to a single scale.

PART ONE

Classic rack

Three steps. The same sequence applies to every size — only the number of slats changes.

01 ASSEMBLING THE BOTTOM FRAME

Find a flat surface to begin the assembly process.

Start by assembling the bottom section.

Align the first timber slat with the cross metal grid. Starting from around the centre of the frame makes the remaining slats easier to align.

Using a rubber mallet, firmly hammer the timber slat into place until it is fully secured.

Ensure that the steel grid is aligned with the first flat surface of the rack to provide maximum stability.

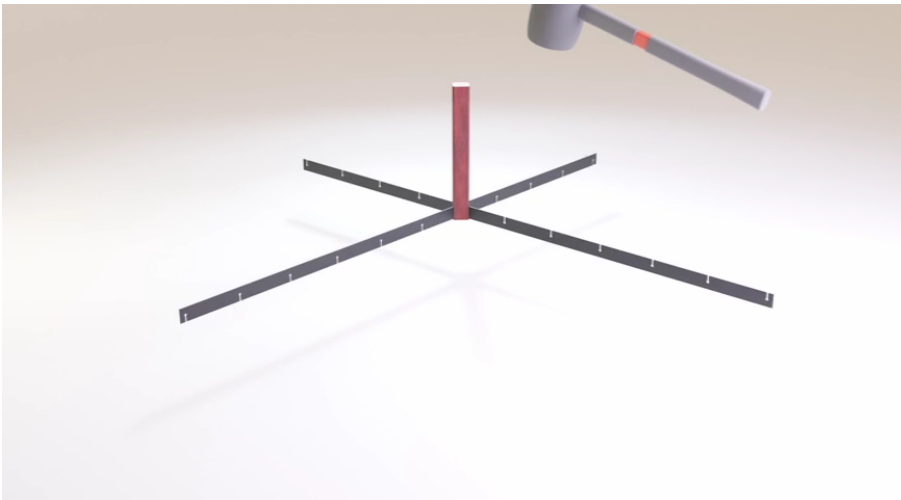


Fig. 1 — The first timber slat, entering the cross metal grid near the centre of the frame and seated with a rubber mallet.

02 ASSEMBLING THE TOP FRAME

Insert one section of the metal frame **only halfway** down into the wood pieces.

Insert the 2nd section of the metal frame into the 1st section, ensuring a secure fit into the wood pieces.

Use the rubber mallet to complete the installation of the metal frame into the wood pieces, ensuring it is tightly in place.

Leaving the first section halfway proud is what lets the second section slide in. Drive it home first and the two will not meet.

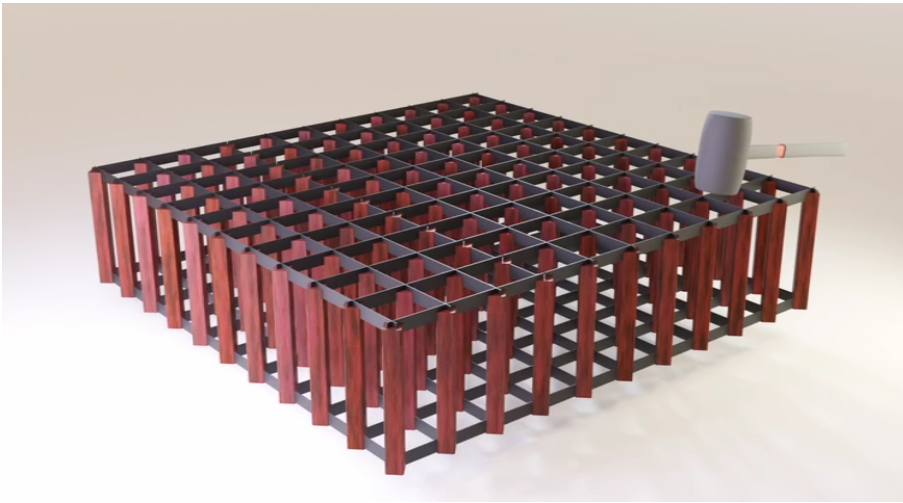


Fig. 2 — Both frame sections engaged and driven down onto the slat ends.

03 NECK PROTECTORS

Snap the bottle neck protectors onto the front side of the metal frame.

This will provide added protection for the necks of your wine bottles and prevent them from accidentally slipping out.

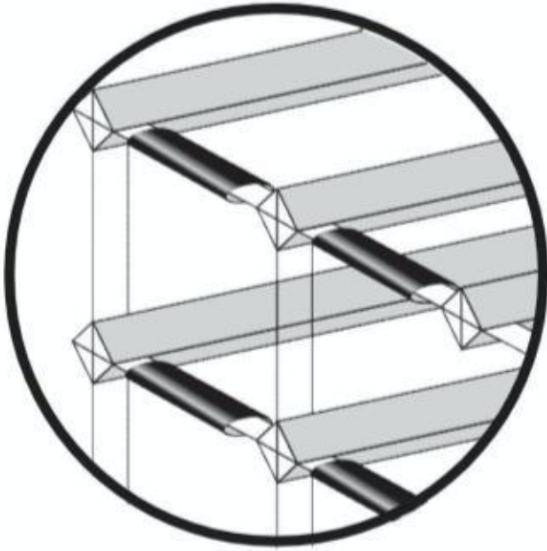


Fig. 3 — Neck protectors sit on the front face, one per bottle position.

PART TWO

Wall brackets

Wall brackets tie the rack back to the adjacent wall. They are not needed on every rack.

WHEN YOU NEED THEM

Most racks do not need wall brackets. The rack stands on the floor and the floor carries the weight.

Fit them where the rack can rock: anything from about **8 × 8 holes** upwards, and any tall narrow rack — a **1 × 7** is the clear case. Brackets are ordered separately from the rack.

LENGTH

237 mm
9.33 inch

HOW MANY

Four brackets per unit — one at each corner of the front frame.



Fig. 4 — The bracket, drawn from the part drawing. Side elevation above, wall plate seen face on below.

DIMENSIONS

237 mm overall, 22.5 mm wide, 1 mm thick. The wall plate stands 26 mm up with a Ø6 mm fixing hole. Black powder coated.

WHICH WAY ROUND

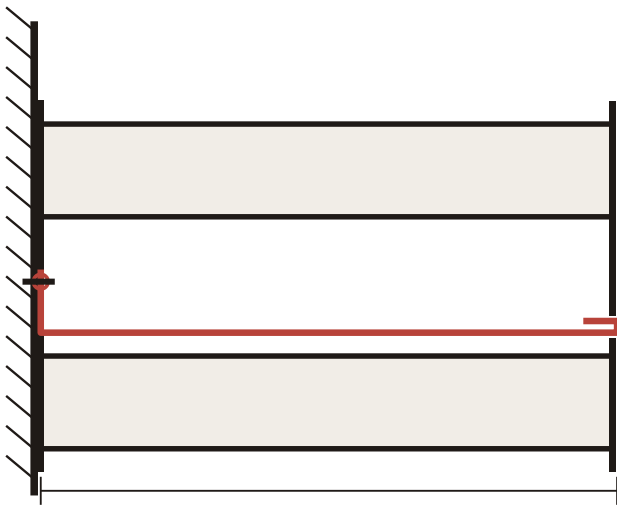
The bracket goes **inside a bay**, in the open space between two slat courses — not on top of the rack. The plate with the hole faces the wall; the strap runs the full 235 mm depth and the folded hem at the far end hooks up over the **front vertical metal bar**, the bar sitting in the 3.8 mm gap of the fold. The bracket grips that bar; it does not rest on the timber.

01 MARK

Move the wine racks to the desired location. Mark the position where the wall brackets will be installed.

03 SEAT

Feed the strap into the bay between two slat courses, hem first, and lift it so the fold hooks up over the front vertical metal bar. Then bring the wall plate against the marked hole.

**02 DRILL AND PLUG**

Drill the holes in the wall, then insert only the plastic portion.

04 SCREW IN

Screw in. Check the rack cannot be rocked away from the wall before loading it.

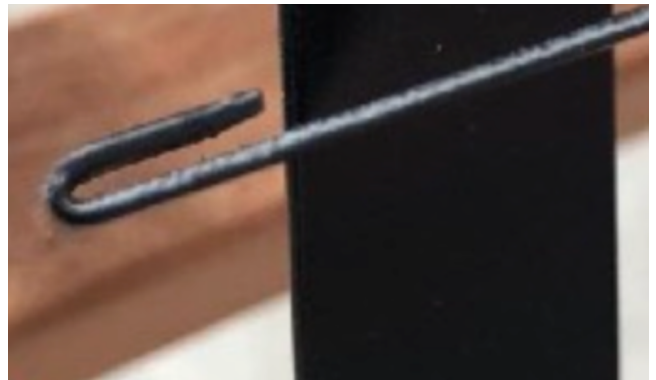


Fig. 5 — Left: rack seen from the side. The plate screws to the wall and the strap lies in the open bay between two slat courses, running the full 235 mm depth; both planes carry a vertical bar, and the front bar is shown broken where the strap passes in front of it. Right: the folded end hooked onto the edge of the front vertical bar. Slat courses are 38 mm deep on a 95.5 mm pitch; the dimension is the bracket, 237 mm.

PART THREE

If something does not fit

The rack rocks or a corner lifts off the floor

The floor is uneven, or one slat is not fully seated. Take the bottles out, go along every slat with the mallet and drive any proud slat home. If the rack still rocks, the floor is the cause — fit the wall brackets, which pull the frame true.

A timber slat will not go into the grid

Check the slat is square to the grid before striking it — the notch has to meet the steel flat. Do not force a slat that has gone in at an angle: back it out and start it again. Timber swells slightly in humid weather; a firmer tap with the rubber mallet is normal, more force is not.

The second top frame section will not enter the first

The first section has been driven too far down. Lift it back to roughly halfway, engage the second section, then drive both down together.

A part is missing or damaged

Count what you have against the bill of materials for your size in the appendix, then contact us with the rack size and the part reference. Metal pieces are identified MP01 to MP12.

Neck protectors keep coming off

They clip onto the front face of the metal frame only, and go on after the frame is fully seated. If the frame is still proud of the slats they have nothing to grip.

The fault is at a join between two units

A connector piece that will not enter, a stacked unit that will not sit level, a seam that flexes under load — these are joining faults. See the Joining units document.

AUSTRALIA

1300 008 111

hello@kingsbottle.com.au

kingsbottle.com.au/pages/support

UNITED STATES

800-419-8183

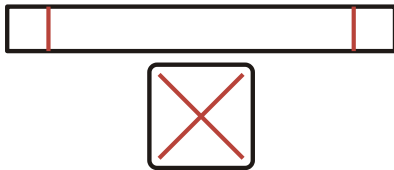
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Monday to Friday, 8:00 to 16:30 PST

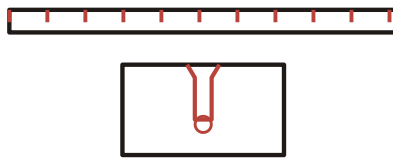
APPENDIX

Classic rack bill of materials

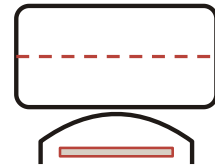
Find your rack size in the first column — the grid, counted as holes across by rows up. Bottle capacity is the neck protector count, one per bottle. MP01 to MP12 are the metal bars, numbered by the span they cross: a bar listed under MP04 crosses four holes. The remaining columns give the quantity of each part; a blank cell means that part is not used in your size.



TIMBER SLAT



METAL BAR MP01-MP12



NECK PROTECTOR

W×H	TIMBER SLAT	NECK PROT.	MP01	MP02	MP03	MP04	MP05	MP06	MP07	MP08	MP09	MP10	MP11	MP12
1x1	4	2	8											
1x2	6	3	6	4										
1x3	8	4	8		4									
1x4	10	5	10			4								
1x5	12	6	12				4							
1x6	14	7	14					4						
1x7	16	8	16						4					
1x8	18	9	18							4				
1x9	20	10	20								4			
1x10	22	11	22									4		
1x11	24	12	24										4	
1x12	26	13	26											4
2x1	6	4	6	4										
2x2	9	6		12										
2x3	12	8		8	6									
2x4	15	10		10		6								
2x5	18	12		12			6							
2x6	21	14		14				6						
2x7	24	16		16					6					
2x8	27	18		18						6				
2x9	30	20		20							6			
2x10	33	22		22								6		
2x11	36	24		24									6	
2x12	39	26		26										6
3x1	8	6	8		4									
3x2	12	9		8	6									
3x3	16	12			16									
3x4	20	15			10	8								
3x5	24	18			12		8							
3x6	28	21			14			8						

W×H	TIMBER SLAT	NECK PROT.	MP01	MP02	MP03	MP04	MP05	MP06	MP07	MP08	MP09	MP10	MP11	MP12
3x7	32	24			16				8					
3x8	36	27			18					8				
3x9	40	30			20						8			
3x10	44	33			22							8		
3x11	48	36			24								8	
3x12	52	39			26									8
4x1	10	8	10			4								
4x2	15	12		10		6								
4x3	20	16			10	8								
4x4	25	20				20								
4x5	30	24				12	10							
4x6	35	28				14		10						
4x7	40	32				16			10					
4x8	45	36				18				10				
4x9	50	40				20					10			
4x10	55	44				22						10		
4x11	60	48				24							10	
4x12	65	52				26								10
5x1	12	10	12				4							
5x2	18	15		12			6							
5x3	24	20			12		8							
5x4	30	25				12	10							
5x5	36	30					24							
5x6	42	35					14	12						
5x7	48	40					16		12					
5x8	54	45					18			12				
5x9	60	50					20				12			
5x10	66	55					22					12		
5x11	72	60					24						12	
5x12	78	65					26							12
6x1	14	12	14					4						
6x2	21	18		14				6						
6x3	28	24			14			8						
6x4	35	30				14		10						
6x5	42	36					14	12						
6x6	49	42						28						
6x7	56	48						16	14					
6x8	63	54						18		14				
6x9	70	60						20			14			
6x10	77	66						22				14		
6x11	84	72						24					14	
6x12	91	78						26						14
7x1	16	14	16						4					
7x2	24	21		16					6					
7x3	32	28			16				8					
7x4	40	35				16			10					
7x5	48	42					16		12					
7x6	56	49						16	14					
7x7	64	56							32					
7x8	72	63							18	16				
7x9	80	70							20		16			
7x10	88	77							22			16		

W×H	TIMBER SLAT	NECK PROT.	MP01	MP02	MP03	MP04	MP05	MP06	MP07	MP08	MP09	MP10	MP11	MP12
7x11	96	84							24				16	
7x12	104	91							26					16
8x1	18	16	18							4				
8x2	27	24		18						6				
8x3	36	32			18					8				
8x4	45	40				18				10				
8x5	54	48					18			12				
8x6	63	56						18		14				
8x7	72	64							18	16				
8x8	81	72								36				
8x9	90	80								20	18			
8x10	99	88								22		18		
8x11	108	96								24			18	
8x12	117	104								26				18
9x1	20	18	20								4			
9x2	30	27		20							6			
9x3	40	36			20						8			
9x4	50	45				20					10			
9x5	60	54					20				12			
9x6	70	63						20			14			
9x7	80	72							20		16			
9x8	90	81								20	18			
9x9	100	90									40			
9x10	110	99									22	20		
9x11	120	108									24		20	
9x12	130	117									26			20
10x1	22	20	22									4		
10x2	33	30		22								6		
10x3	44	40			22							8		
10x4	55	50				22						10		
10x5	66	60					22					12		
10x6	77	70						22				14		
10x7	88	80							22			16		
10x8	99	90								22		18		
10x9	110	100									22	20		
10x10	121	110										44		
10x11	132	120										24	22	
10x12	143	130										26		22
11x1	24	22	24										4	
11x2	36	33		24									6	
11x3	48	44			24								8	
11x4	60	55				24							10	
11x5	72	66					24						12	
11x6	84	77						24					14	
11x7	96	88							24				16	
11x8	108	99								24			18	
11x9	120	110									24		20	
11x10	132	121										24	22	
11x11	144	132											48	
11x12	156	143												24
12x1	26	24	26											4
12x2	39	36		26										6

W×H	TIMBER SLAT	NECK PROT.	MP01	MP02	MP03	MP04	MP05	MP06	MP07	MP08	MP09	MP10	MP11	MP12
12x3	52	48			26									8
12x4	65	60				26								10
12x5	78	72					26							12
12x6	91	84						26						14
12x7	104	96							26					16
12x8	117	108								26				18
12x9	130	120									26			20
12x10	143	132										26		22
12x11	156	144											26	24
12x12	169	156												52