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NOTE: V.J. GATES ARE MORE PRONE TO MOISTURE MOVEMENT THAN OTHER DESIGNS AND REQUIRE GREATER WEATHER PROTECTION

 high fence gate 1800 x 900 x 45mm pedestrian gate 1300 x 900 x 45mm carriage gate 1300 x 1400 x 45mm high fence gate    pedestrian gate carriage gates (pair)	 high fence gate 1800 x 900 x 45mm pedestrian gate 1300 x 900 x 45mm carriage gate 1300 x 1400 x 45mm high fence gate    pedestrian gate carriage gates (pair)	 high fence gate 1800 x 900 x 45mm pedestrian gate 1300 x 900 x 45mm carriage gate 1300 x 1400 x 45mm high fence gate    pedestrian gate carriage gates (pair)
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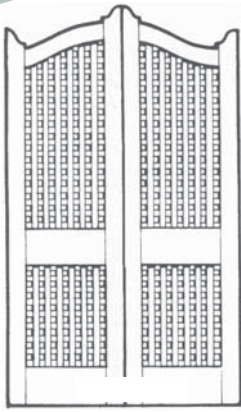
 rim lock # 6 (1 off) hinges* # 2 (6 off) skeleton bolt # 7 (1 off) traditional cabin hooks # 8 (2 off)	double traditional verandah gate hardware kit - hinges not included - rim lock included <b>AVAILABLE IN</b> polished brass polished brass & black <b>HINGES</b> 6 pack silver gold & black
 rim lock # 6 (1 off) hinges* # 2 (3 off) traditional cabin hook # 8 (1 off)	single traditional verandah gate hardware kit - hinges not included - rim lock included <b>AVAILABLE IN</b> polished brass polished brass & black <b>HINGES</b> 3 pack silver gold & black
 rebated mortice lock # 3 (1 off) furniture # 5 (1 off) cylinder # 4 (1 off) hinges* # 2 (6 off) silent pattern cabin hooks # 9 (2 off) skeleton bolt # 7 (1 off)	double gate contemporary hardware kit - hinges not included - mortice lock & lever included <b>AVAILABLE IN</b> silver silver gold or black <b>HINGES</b> 6 pack silver gold & black ALSO ASK US ABOUT REMOTE OPERATION ELECTRONIC LOCKS
 Plain mortice lock # 1 (1 off) furniture # 5 (1 off) cylinder # 4 (1 off) hinges* # 2 (3 off) silent pattern cabin hook # 9 (1 off)	single gate contemporary hardware kit - hinges not included - mortice lock & lever included <b>AVAILABLE IN</b> silver silver gold or black <b>HINGES</b> 3 pack silver gold & black

STOCK GATE HARDWARE ITEMS

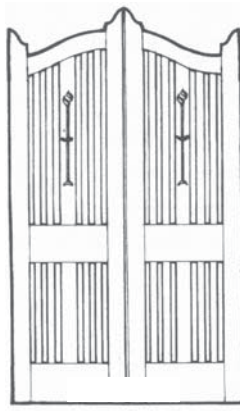
#1 plain mortice lock  
#2 hinges  
#3 rebated mortice lock  
#4 cylinder  
#5 furniture  
#6 rim lock  
#7 skeleton bolt  
#8 traditional cabin hook  
#9 silent pattern cabin hook

\* - hinges not included in kits

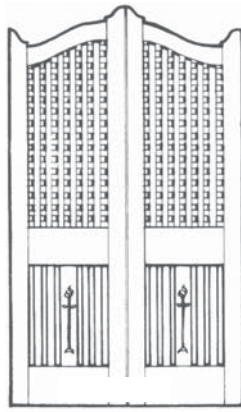
# 18 STOCK BATWING GATES



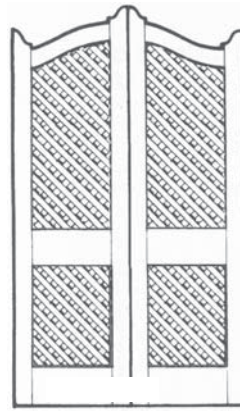
woodworkers s-top batwing  
fully latticed BV1 rebated



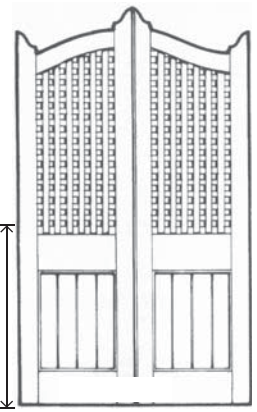
woodworkers s-top batwing  
fully slatted BV2



woodworkers s-top batwing  
half lattice BV3

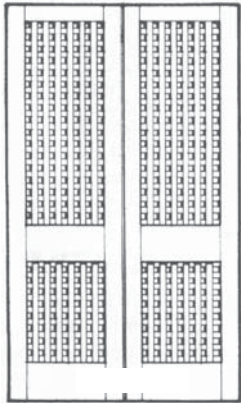


woodworkers s-top batwing  
diagonal lattice BV15

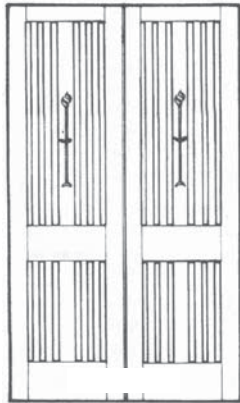


woodworkers s-top batwing  
half V.J. BV5

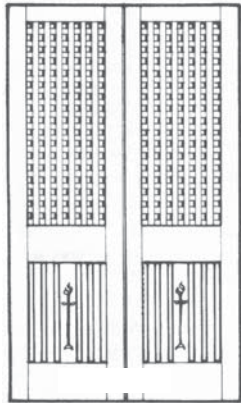
stock lockrail height 980mm



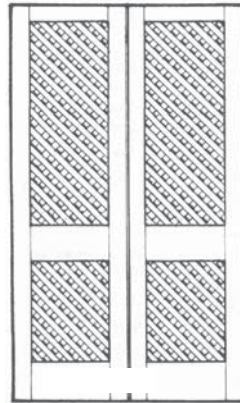
woodworkers square top  
fully latticed BV10



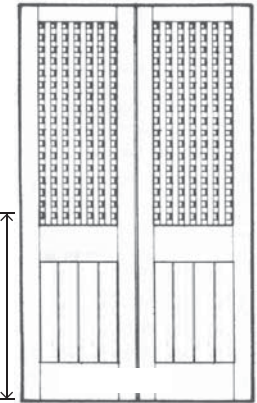
woodworkers square top  
fully slatted BV11



woodworkers square top  
half lattice BV12



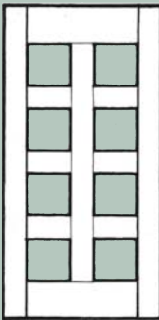
woodworkers square top  
diagonal lattice BV13



woodworkers square top  
half V.J. BV14

stock lockrail height 980mm

## STOCK SINGLE GATES



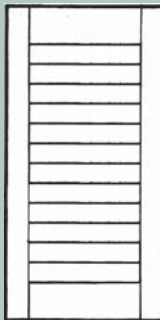
Coolum gate



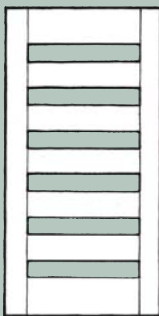
Bali gate



Vertical Plank  
gate



Horizontal Plank  
gate

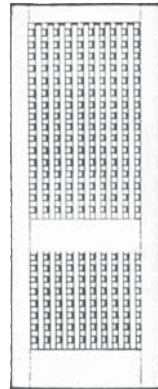


mandalay gate

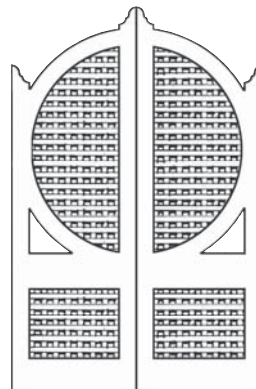
- Coolum gate**  
1800 x 900 x 45mm
- Bali gate**  
1800 x 900 x 45mm
- Vertical Plank gate**  
1800 x 900 x 45mm
- Horizontal Plank gate**  
1800 x 900 x 45mm
- Mandalay gate**  
1800 x 900 x 45mm

REFER TO OUR WEBSITE FOR CURRENT PRICES

Batwing Verandah gates were originally introduced to provide ventilation, security and privacy to the traditional verandah entry. The Woodworkers' Company can custom make batwings & gates to any design in any combination of lattice (diagonal or vertical), fretworked paling, V.J. boarding or fixed louvres.

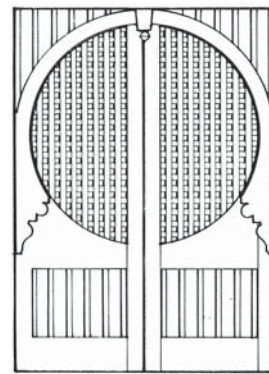


TG14 lattice lockrail  
2040 x 820 x 40mm



centrepoint lattice BV16

height x width	midrail height
2040 x 1067 x 40mm	1185mm
2040 x 1226 x 40mm	1025mm
2040 x 1426 x 40mm	825mm
2040 x 1626 x 40mm	625mm

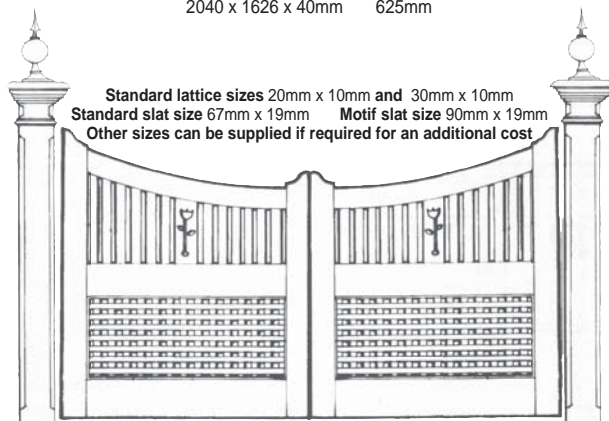


BV9 woodworkers moon lattice gate  
& matching archway

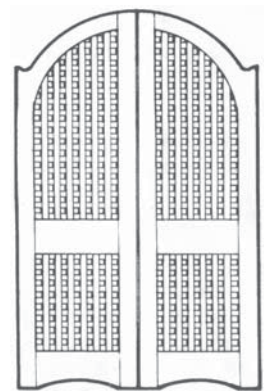


moon lattice entry

CUSTOM MADE  
BATWING GATES



woodworkers scallop batwing TG4



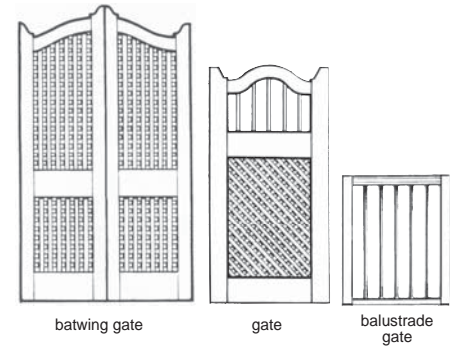
woodworkers arch top fully latticed BV8



## WHAT'S THE DIFFERENCE BETWEEN A 'BATWING' AND A GATE?

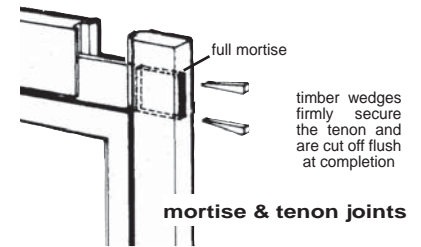
Basically no difference. Batwings (usually) refer to a pair of gates that secure the entrance to a verandah or patio, generally at the top of the entry stairs or walkway. They commonly have a shaped or S-Top so that they (dubiously)

resemble a bat or bird wing. Their traditional purpose was to provide a degree of security and privacy to houses with central hallways that needed the front door left open to ventilate. They have become integral to the Queensland vernacular style. Gates, on the other hand, refer to external joinery usually installed in the fences or pool perimeter – potentially exposed to full weather. Woodworkers also manufacture balustrade gates which are constructed to match timber balustrades using simple batten screw construction. Balustrade gates are not classed as joinery gates due to their inferior construction. These are only suitable for small openings approx 1000 x 1000 (for a pair) & are covered in separate FAQ sheet No. 10 devoted to balustrading.



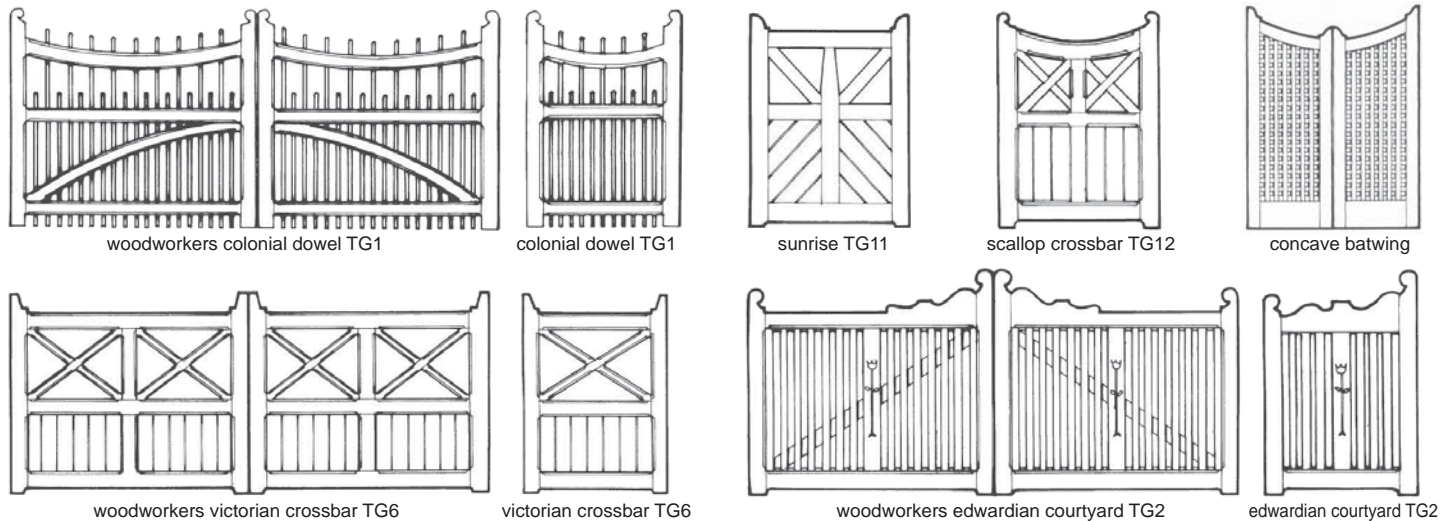
## DO BATWINGS & GATES COME IN STOCK SIZES?

Yes. Our stock sizes for both gates and batwings are detailed on this FAQ. All other gates and batwing sizes need to be custom made. The construction of external gates is usually quite different to normal joinery as the horizontal rails need to be splayed to expel water. Because gates and batwings are exposed to much greater weathering than other joinery items it is preferable that mortise and tenon construction is used to provide long term strength.



## CAN YOU MAKE OTHER DESIGNS?

Yes. We can make any design or style of batwing or gate within the overall size limitations outlined below. The following are examples of custom made gates for which we have patterns, or you can design your own.



## WHAT TIMBERS DO YOU USE?

For most protected situations requiring fully painted gates, red cedar is a suitable durable timber. For gates in very high exposure areas, New Guinea Rosewood is preferred. The cost difference is usually about 20% between species. Rosewood has higher durability and stability than cedar and greater rot and termite resistance. Where dowels are used they will be usually Kwila or Merbau. If you intend to clear finish external gates it is important that you advise our staff accordingly as items like fretwork motifs may be supplied in LOSP Pine unless matching timber within the gates is specifically required. With all gates it is imperative that all timber be thickly protected, particularly on the underside (which is often forgotten). If weather is able to penetrate the coating it will cause timbers to swell and move which can result in warp, rot and the structural weakening of the joints.

## WHAT FINISHES DOES WOODWORKERS RECOMMEND?

Where painting is proposed, an oil based enamel system is essential. If clear finishing is required we recommend the Sikikens Cetol HLSe/Filter 7 system. A separate FAQ sheet No. 1 is available containing detailed recommendations on timber finishing. The undersides of gates must be completely sealed to protect their durability.

## WHAT ARE THE SIZE LIMITATIONS OF JOINERY GATES?

Gates can be made to almost any size but they are unlikely to perform satisfactorily when widths exceed 1400mm per leaf. Any wide joinery item is likely to warp as its width increases and in pairs of gates this can become unsightly if the warp varies between each leaf. Woodworkers recommend that any gate beyond this width be reinforced with welded aluminium or galvanised steel frame fixed internally to support and stabilise the timberwork. This frame is commonly attached to the operating mechanism for remote control hinged or sliding gates. Where structural reinforcement is not an option, the thickness of gates should be increased to 68mm for widths up to 1500mm wide per leaf. It is important that driveway gate openings be minimised wherever possible to restrict the potential width of gates. You need to enquire about timber availability for thicker gates as 75mm dry timber is difficult to acquire and may require up to one year of controlled air drying before use.



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and price'em right

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F: 07 5571 0617

**SUNCOAST**  
53 Wises Road  
Maroochydore  
☎ 07 5479 0999  
F: 07 5479 0911

**SYDNEY**  
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Brookvale 2100  
☎ 02 9938 4999  
F: 02 9938 4666

## DOES WOODWORKERS AUTOMATE GATES?

Sydney Woodworkers undertakes gate automation but Brisbane Woodworkers do not.

## DOES WOODWORKERS INSTALL ITS GATES?

No. Woodworkers can provide you with the name of an experienced BSA registered installer however who will contract directly with you for the installation of your gates and the fitting of any hardware required. It is always preferable that the installer confirms the sizes required before fabrication as it is common for external posts and framing to be less plumb and square than other carpentry in the house and this often necessitates greater fitting skills from the installer.

## WHAT DIMENSIONS DO YOU NEED TO MANUFACTURE GATES?

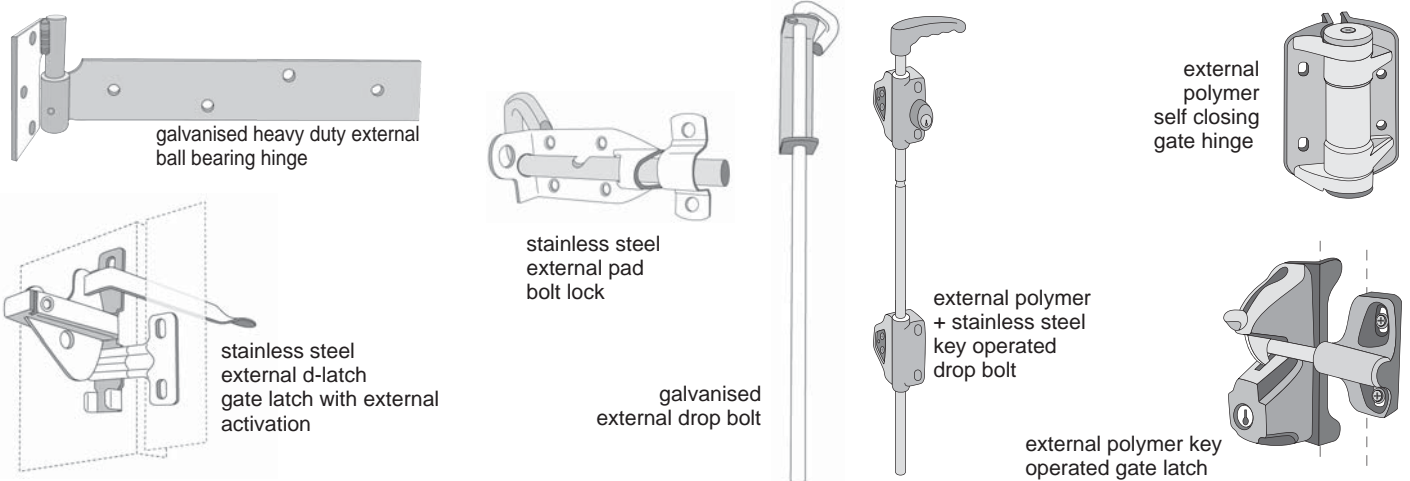
The opening needs to be checked for squareness firstly, as it is common for quite large discrepancies to be recorded between dimensions taken at the bottom, centre and top of each opening. The dimensions used should be the maximum width or height recorded, working on the principle that it is better to make a gate oversize and shave it down as necessary than make joinery too small for the opening. For Batwing gates generally 3mm clearance is allowed all round each gate and 20mm at the bottom. If strap hinges are being used, much larger clearances will be required. A Batwing lockrail should align with the top of any adjacent handrail.

## CAN GATES BE REMOTELY LOCKED THROUGH INTERCOM SYSTEMS?

Yes. Woodworkers hardware specialists can advise you on appropriate intercom activated systems and can build the necessary wiring into the gate or frame provided our sales staff are properly advised that this function is required.

## WHAT HARDWARE CAN BE USED WITH GATES?

Unlike batwings, which are hung like normal doors on butt hinges, gates usually require more heavy duty hardware. Commonly they use gudgeons and straps which need to be carefully selected for the application proposed. The common options available are:

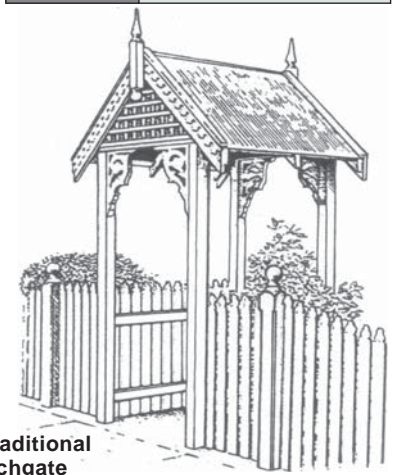
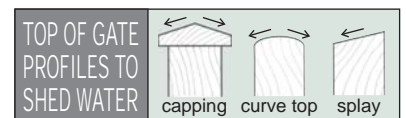


## IF I FIT LOCK TO MY GATE, HOW WILL THE ELECTRICITY & GAS METER READERS GAIN ACCESS TO MY METER?

Special cylinders can be purchased for this. You as the owner will have your key which is unique to your lock. It will not open anyone else's gate and their key will not open yours, however the meter reader will have a master key allowing them access. Each region in Australia has a different wholesale electricity supplier, so will need to know what region you are in so the appropriate cylinder can be supplied. Woodworkers can supply cylinders for most regions.

## WHAT WEATHER PROTECTION IS NECESSARY FOR EXTERNAL GATES?

Wherever possible gates should be protected by an overhead canopy, lichgate or by a sloping or curved top capping mounted on the gates themselves to stop moisture being drawn into the gate stiles from above. Gates always need the protection of full paint finishing (either transparent or opaque) in oil based finishes (see FAQ sheet 1 Finishing) with particular attention paid to thoroughly sealing their underside. Acrylic finishes should be avoided as they can form a 'plastic' bag around the joinery that stops the timber breathing and promotes rot by entrapping water within the plastic coating. Oil coatings must be recoated regularly to avoid deterioration and preserve the gate's durability. Shrinkage in full exposed external gates is normal and where crevices in the structure appear these need to be filled and recoated promptly. Where V.J. boards or planks are used, they will be presealed on the joints to restrict water penetration and the spacings will be loose to allow for expansion and contraction. Where gates are made using floating panel or plywood construction, they will not withstand full weather exposure unless especially thick coatings are applied to prevent water penetrating the plywood housing in the rails, muntins and stiles of the gate. It is always preferable that every element in a timber gate can drain freely, and although Woodworkers can make gates to customer requirements, we cannot guarantee their suitability if the gate design requires non traditional gate construction methods.



gates need heavy duty hardware for heavy exposure.

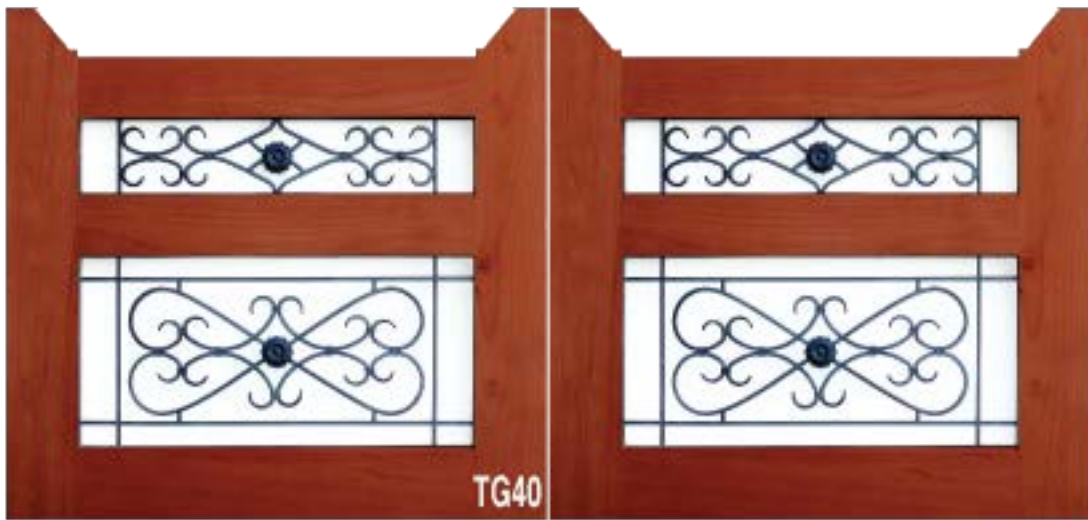
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pair **chancellor carriage gates**  
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Heavy galvanised wrought  
iron panels powdercoated  
black in solid cedar frame



**chancellor carriage gate (large)**  
1300 x 1600 x 45mm



**chancellor pedestrian gate**  
1800 x 900 x 45mm