

Manufacturing quality stockyards since 1990 Australian Manufactured



Mars E

# Specialising in: Complete Stockyard Systems

Cattle Crushes, Calf Cradles and Weighing Systems

02 67/85 197/

M&M Stockyards: 25 Arthur Street, Manilla, NSW 2346 www.mmstockyards.com.au










# **Owners and Sales Staff**

#### The business was established in 1990 by the McNamara family, and in 2004, was shifted into a larger premises in Manilla NSW to accommodate the expanding business. In 2020, M&M Stockyards was purchased by Charlie and Lucy Hart, owners of Hart Rural Agencies, a local agribusiness with stores in Barraba and Manilla, and where Charlie is also a Stock and Station Agent. They live on a property in Barraba with their children.

Quality and customer satisfaction is the focus of M&M Stockyards. When you deal with us, you are dealing with the manufacturer, not the agent, so yards can be modified and customised to your specific needs. We will computer-draft your yards to suit any existing structures and quote on your yards to suit you.

M&M Stockyards continues to be an Australian family-owned business, supporting local businesses and employing locals to do a top quality job.





## **Our Product**

The material we use has the highest galvanised coating for this type of steel on the Australian market. The steel has 100gm of gal coating per square metre on both the outside and the inside of the material. All the material we use is high tensile steel.

### **Delivery & Installation**

Delivery and installation can be carried out by our fully trained staff, (with your assistance). We have a 22.5 tonne - 11.6m long truck and a 7.4m long trailer. Our truck is fitted with a HIAB crane to make unloading on-site easy.

**M & M Stockyards** 

yards since 1990.

individual panels.

M&M Stockyards are sheep and cattle

yard specialists, manufacturing stock

We have built close to three thousand

Our designs are proven to work, with most of our advertising being "word of mouth" from satisfied customers.

complete sets of yards, hundreds of

yard extensions and thousands of



# **Cattle Yard Systems**

Our designs are proven to work, we have been manufacturing yards since 1990 and have always been very conscious about making sure our customers are completely satisfied. Over the years we have modified our designs to grow with the changing needs in safe cattle handling.

Our yard systems consist of portable sections including panels, gates in frames, slide gates in frames and other portable frames where needed. The beauty of this type of system is that nothing has to be set in concrete. The yards can be moved or modified if needed. Gates and panels can be swapped around and the yards can be extended at a later date. You can start by putting the race and force section into an older set of yards, and build from that into a complete new yard system, or just replace the sections that will no longer cope with the workload.



80 HEAD (B) (CR)





160 HEAD (CR)

90 HEAD (A) (CR)

# **Cattle Yard Sizes - Naming Convention**

Our yard names are based on the working capacity - not the holding capacity. To be consistent in our naming convention we have based our yard sizes on  $1.3m^2$  per 500kg beast weight. To compare yard designs, the holding capacity can be worked out by dividing the area of the yard by 1.3 (ie. yard area of  $65m^2 - 65 \div 1.3 = 50$  head holding capacity at 500kg beast weight). The working capacity will depend on the design of the yards. To work cattle efficiently you need to have empty yards to draft to. You will note that the holding capacity is roughly double the size of the working capacity.



180 HEAD (WEEAN)



# **Cattle Yard Panels**

Our standard first grade panels are either 2.5m or 3.5m long and 1.7m high. We can also manufacture panels to custom sizes. We use three types of panel rail material -  $50 \times 50 \times 1.6$ mm gal shs (square hollow section), 75 x 40 x 1.6mm gal oval rail or 115 x 42 x 2mm gal oval rail. Both the 50 x 50 and the 75 x 40 panels have 6 rails per panel and the 115 x 42 panels have 5 rails.

Our panels are priced complete with our low noise cleating system (joining system), 16mm hot dipped joining pins, galvanised post caps, galvanised foot plates, 400mm long - 12mm round ground peg.

We also offer a panel post upgrade. Our standard panel posts are manufactured with material that is 1.6mm thick, we offer an upgrade to 2.5mm thick material, as this is the part of the panel that is sitting on the ground. We have priced this upgrade at a cost of the material only. Please note, that all of our gate frames come standard with a minimum of 2.5mm thick material.

## **Our Unique Pinning System**



Our unique joining system has a "U" shaped zinc plated cleat with 19mm round holes to fit a tapered 16mm hot dipped gal pin. This system is the same at both the top and the bottom of each end of a panel or gate frame. This system is a low noise, joining system with no sharp edges or protruding parts.

This style of pinning system can be stepped to accommodate unlevel sites.





50 HEAD (CR)



### 60 - 70 HEAD (CR)



## **Slam Catches**

We also manufacture gates with two types of slam catch systems. These gates can be used in the force yard section. We manufacture these gates in a heavy-duty frame of 65 x 65 x 2.5mm gal SHS to ensure the gate frame has no movement and the catch is secure every time.



STANDARD SLAM CATCH



### THROUGH POST SLAM CATCH

Single Hinge Single Hinge Hit Up Single Hinge Slam Catch

### Double Hinge

Double Hinge Lock Up (Drafting Gate)

Double Hinge (High Frame) Slide Gate

### Force Yard Reduction Gate

3 or 4 Way Drafting Sections

## **Chain Catches**

Our chain catch system is manufactured in heavy-duty 14mm round bar with a strong unique spacer system so the chain is secure but can be released easily. We use this system on the majority of our gates because it is fast, and it has no protruding parts, like a bolt system can have. With this system you don't need to line up a bolt and hole to catch the gate and if needed the gate can be secured with the chain even if it is not quite shut.



## **Cattle Yard Gates**

We have different styles of gates and hinging systems for particular sections in our yards. All of our gate posts are made from 50 x 50 x 2.5mm high tensile gal shs (square hollow section). Our standard 2.5m gates have 50 x 50 x 2.5mm gal shs frames. Our 3m long single gates and our 4m long double gates are manufactured with a heavy 65 x 65 x 2.5mm gal shs frame for added strength. These longer gates are generally used for entry-exit gates.

The type of gate needed in each area of the yards will vary. We manufacture a range of different hinge and catch systems for each application.

Opening 90 degrees in either direction
Opening 180 degrees in one direction and hits on the frame
Opening 180 degrees in one direction with a heavy duty frame and
a spring slam catch with either through post or standard catches,
depending on the position of the gate in the yards
Opening 180 degrees in either direction (see picture on pg. 5)
Used in the drafting pound - opening 180 degrees in either direction,
or in the locked position the gate hits up against the frame on either
side for drafting purposes (see diagram pg. 5)
 Frame height is 2.7m high to enable you to ride a horse through it
 Used in the race - built in a heavy duty frame with 5 x 115 x 42 x 2mm
rails in the gate and it has a unique pull cord to close the gate if you
are on the other side of the race
 Supported in a heavy-duty frame with a slam catch that locks in two
positions to reduce the size of the force yard (see diagram pg. 6)
Generally used in front of the crush. This system is connected gates
(connected overhead) on hinges with tension adjustment, swung on
permanent posts with a heavy duty drop bolt. (See diagram pg. 6).



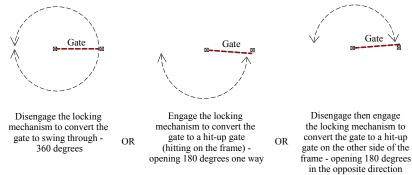
## Drafting Pound Double Hinge Lock Up Gates & Frames

## **Slide Gates**



The size of our drafting pound is dependent on the size of the whole yard system, usually being 7 or 8 sections. The unique locking mechanism on our Double Hinge Lock Up Gates converts the gate into a multi-direction gate - illustrated below. This is a very simple mechanism that takes only seconds to change the direction of your drafting gate. These gates are included in the price of all our designs with a drafting pound.

### UNIQUE LOCKING MECHANISM



## **Double Hinge Gates**

Our unique double hinge section allows the gate to swing through the frame and lay flush on the panel that it is connected to.





Our slide gates are a heavy-duty solid construction with 5 - 115 x 42 x 2mm oval rails in the gate and the frame is constructed in 50 x 50 x 2.5mm SHS (square hollow section). They are fully reversible and have a quiet nylon roller action.

They come complete with a solid bottom slide and they have locking latches on both sides. For safety purposes the gates have a cable pull cord to close them on the outside, so you do not have to reach through the frame to close the gate.

### **Calf Race**



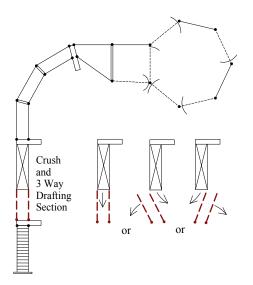
A calf race can be fitted to all our yard designs. They can be custom built to suit individual customers requirements. Most of our standard calf races include a waiting bay section to hold a single calf ready to enter the cradle.



## 3 or 4 Way Drafting Gates

We have an option to include either a 3 or 4 way drafting section at the front of the crush in some of our designs. These sections comprise of either 2 or 3 connected gates, connected overhead. The gate hinges have tension adjustments to tighten the hinge, to hold the gate in the desired position.

The tension adjustment can be easily loosened or tightened when needed. The gates are hinged on a heavy-duty permanent frame and come complete with a heavy-duty drop bolt. Each gate has a section of poly belting that will swing past the head of the beast in the crush.

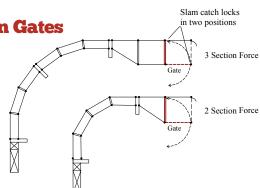




**3 WAY DRAFTING GATES** 

### **Force Yard Reduction Gates**

This gate section is manufactured in a heavyduty frame. The gate has a spring slam catch that locks in two positions to reduce the size of the force yard. This can be used in a 2 or 3 section force yard.





### FORCE YARD REDUCTION GATE CATCH

### **Forward Operation Manual Drafter**

The Forward Operation Manual Drafter has been manufactured to draft cattle quickly and efficiently without the operator leaving the crush to select the direction of the animal.

The drafting gates are controlled by a remote handle that extends to the operational position of the crush. This allows the operator to remain at the crush whilst opening the required gate. The selected gate automatically returns with the release of the handle.

Two access gates are positioned forward of the drafting gates to provide an unimpeded workspace at the head of the animal





### **Loading Ramps**

### 3.0m STEEL FLOOR LOADING RAMP

This ramp is 3.0m long and the internal width is 750mm wide. It is constructed in 50 x 50 gal SHS (square hollow section), and the sides of the ramp are sheeted up 300mm. The floor of the ramp has 40 x 40 SHS welded across the 2.4mm thick gal sheet for grip and strength.

### 3.6m HEAVY DUTY WOODEN FLOOR LOADING RAMP

This is our most popular ramp. The ramp is 3.6m long and the internal width is 760mm. The 4" x 2" hardwood timber floor makes the ramp a lot quieter than a steel floored ramp and the boards can be easily replaced by removing four screws. The base and buffer of the ramp is a heavy duty 125 x 75 x 3mm gal RHS (rectangular hollow section). The sides of the ramp are sheeted up 600mm and the rails are 115 x 42 x 2mm oval gal material.

### 3.6m ADJUSTABLE LOADING RAMP

The 3.6m heavy duty adjustable ramp has an easy to operate load brake winch for height adjustment. The standard heavy duty buffer is designed to adjust with floor height. Height settings are from 1200mm (truck height) down to 500mm (box trailer) with 100mm increments. Practicality, durability, safety and strength were all considered when designing and manufacturing the 3.6m heavy duty adjustable loading ramp.

### 5.0m HEAVY DUTY WOODEN FLOOR LOADING RAMP

Our 5.0m loading ramp is manufactured with a 1.4m flat load out section. The flat load out section has an access door on one side and the ramp comes complete with a double width walkway and handrail. The 5.0 ramp is manufactured with the same heavy duty materials used in the 3.6m ramp.



SINGLE WIDTH WALKWAY



3.0m LOADING RAMP



3.6m LOADING RAMP



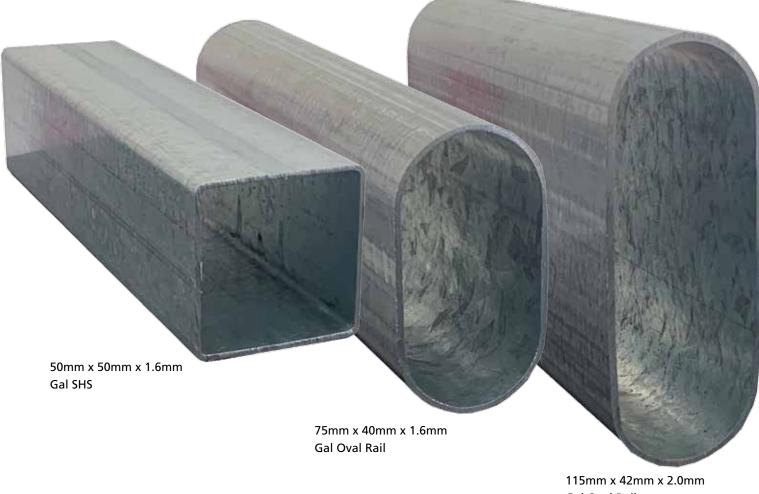
3.6m ADJUSTABLE LOADING RAMP



5.0m LOADING RAMP



# **Rail Sizes Used in Manufacturing Cattle Yard Components**

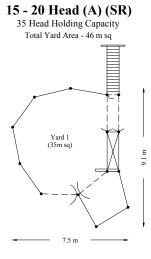


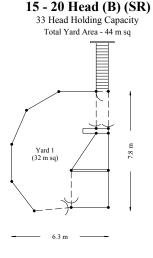
Gal Oval Rail

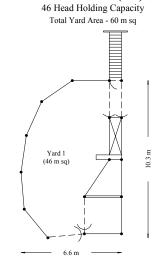


### Yard Name Abbreviations

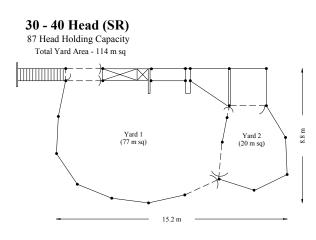
(SR) - Straight Race (CR) - Curved Race (HSR) - Horseshoe Race (WEEAN) - Weean Design (SWA) - Safe Work Area (SF) - Safety Force



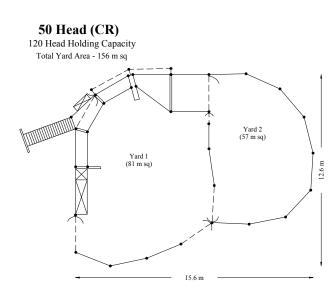




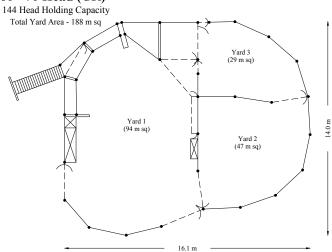
20 - 25 Head (SR)



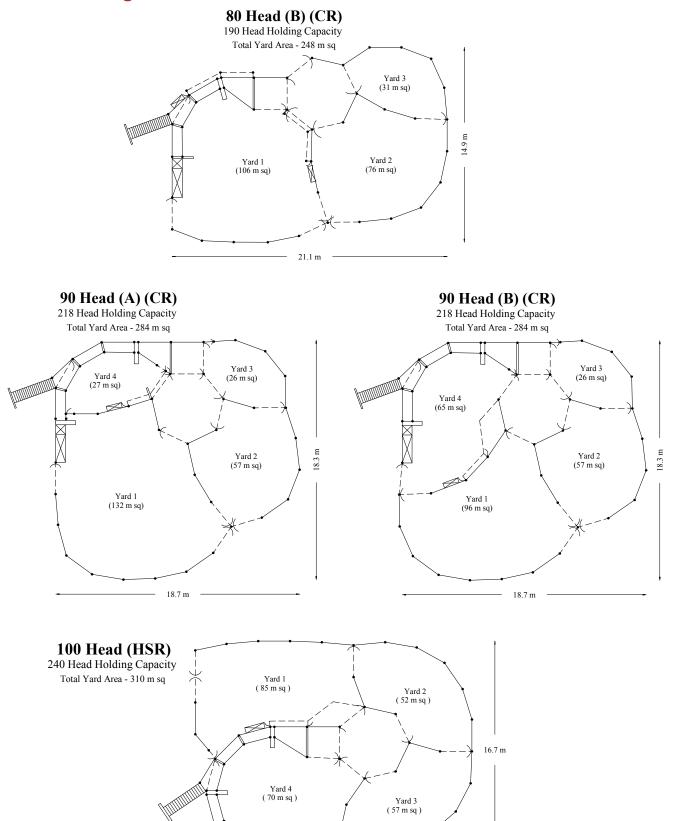
35 Head (CR) 90 Head Holding Capacity Total Yard Area - 117 m sq Yard 1 (67 m sq) Yard 2 (31 m sq) 13.0 m

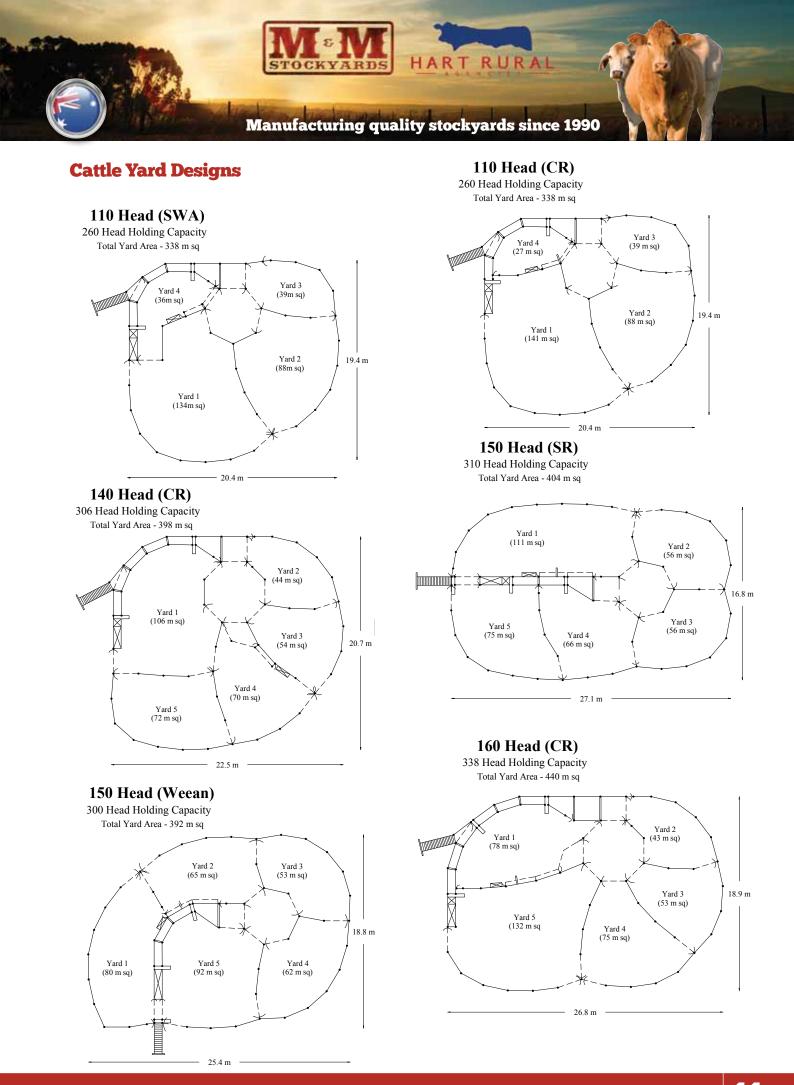


### 60 - 70 Head (CR)





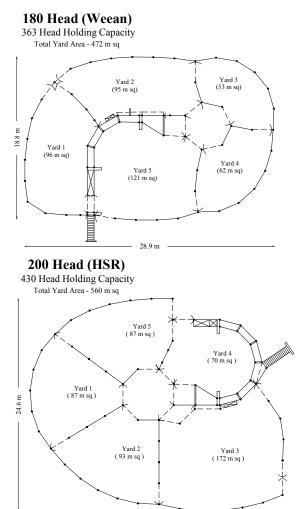


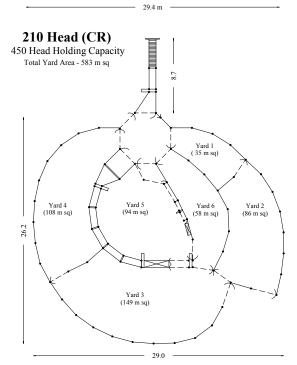


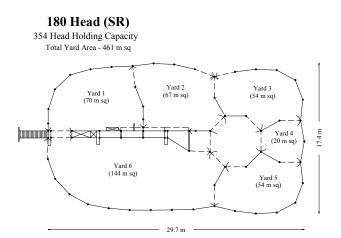


Manufacturing quality stockyards since 1990

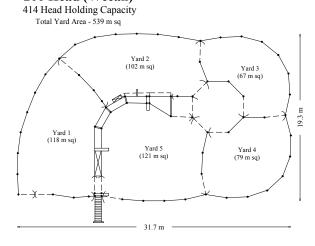
## **Cattle Yard Designs**



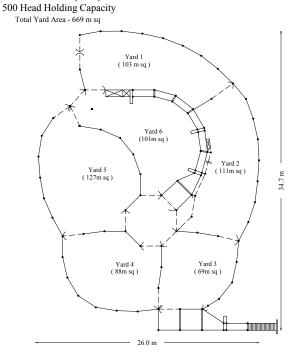


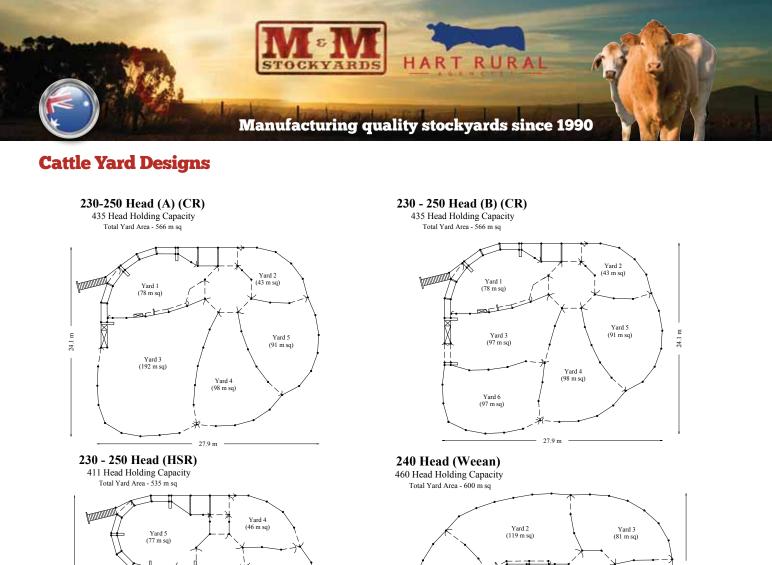


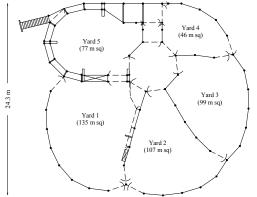
200 Head (Weean)

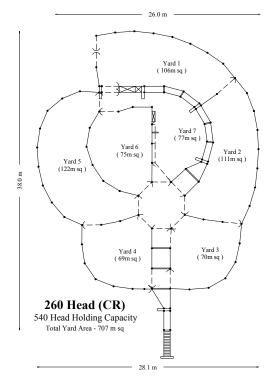


220 Head (CR)





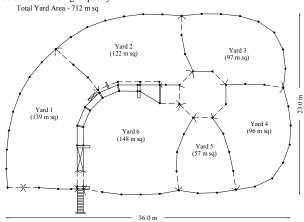




280 Head (Weean)

Yard 1 (120 m sq)





Yard 6 (121 m sq)

33.6 m

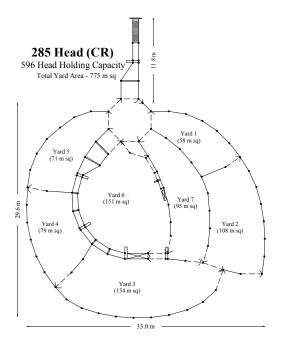
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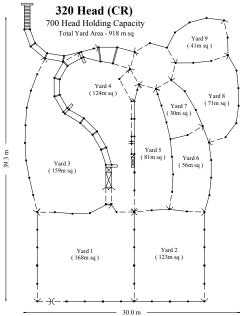
1.12

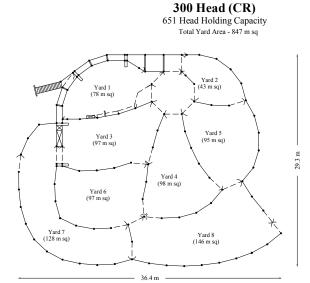
Yard 4 (40 m sq)

Yard 5 (67 m sq)

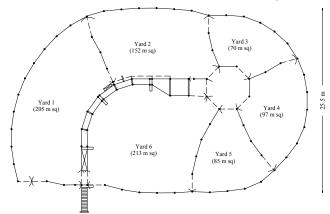




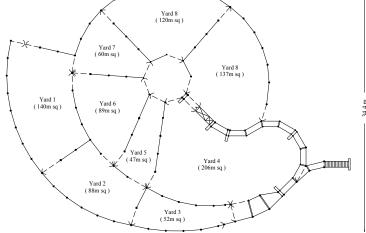




#### **350 Head (Weean)** 680 Head Holding Capacity Total Yard Area - 886 m sq

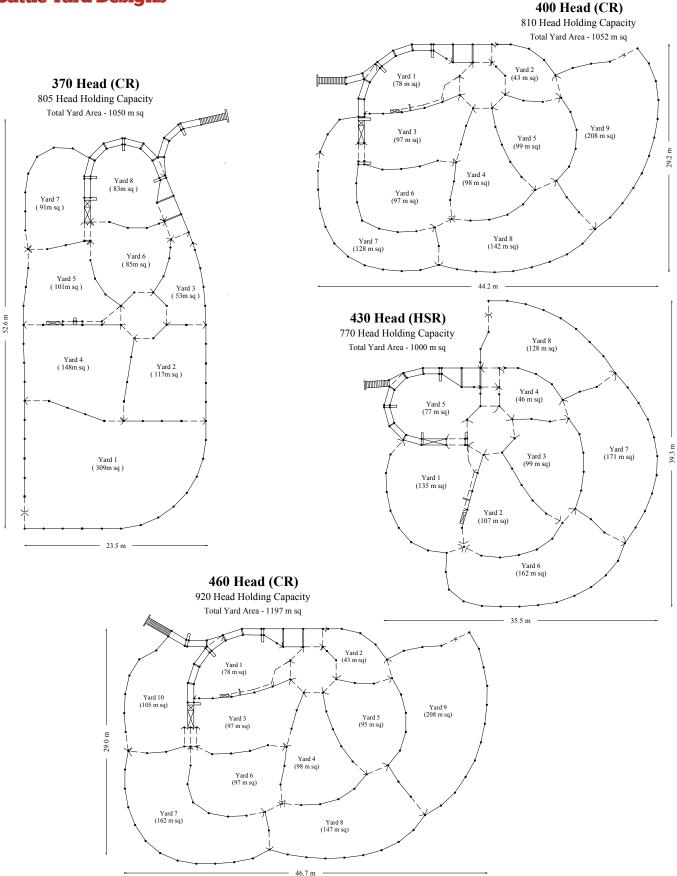




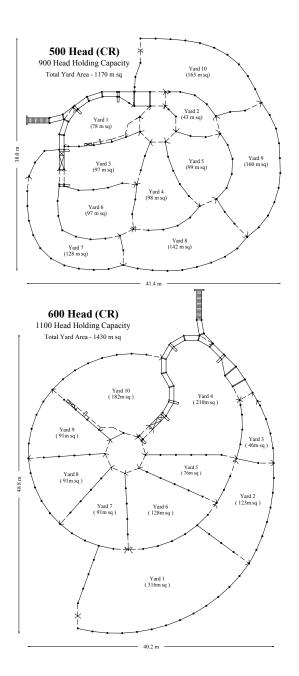


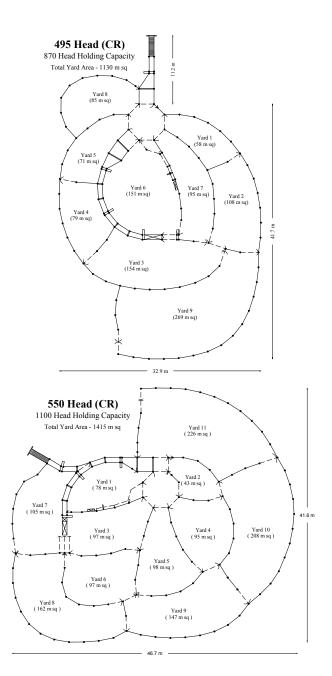
44 m

Manufacturing quality stockyards since 1990











## **Curved Ratcheting Safety Force**

The latest addition to our product range is the heavy-duty Curved Ratcheting Safety Force. This allows cattle to flow in a sheeted circular section with a gate that is on a ratchet system that prevents that gate returning back onto the operator. This system is designed to provide operator safety and low stress cattle handling methods. When the section is cattle free the unique gate catch can be disengaged to allow the gate to be returned to the open position to allow the section to be refilled.

This modular system comes in 2, 3 or 4 sections depending on the yard design.



2 SECTION

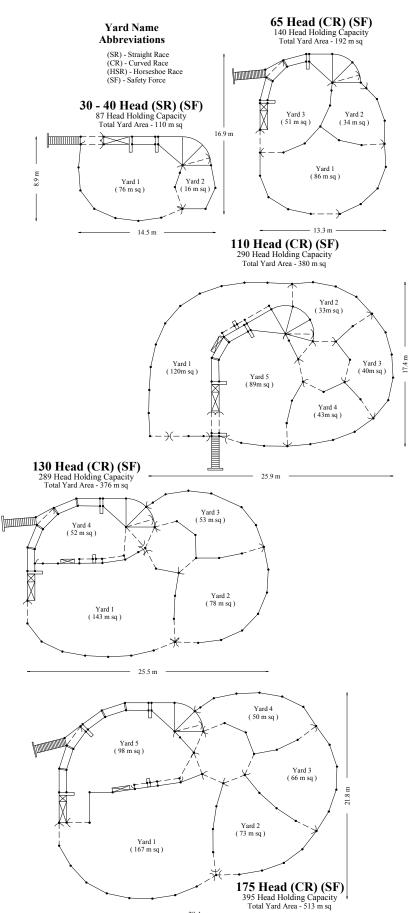


17.6 m

**4 SECTION** 



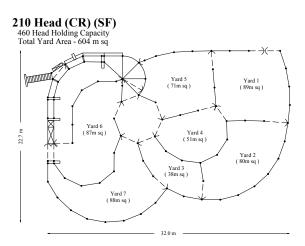
**RATCHETING SYSTEM** 

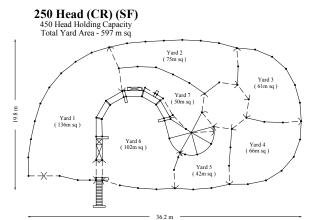


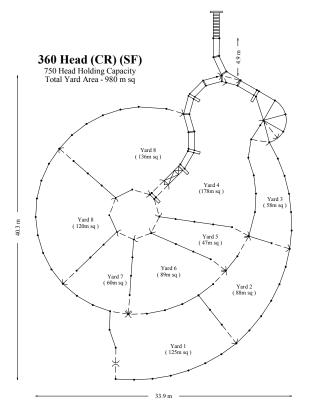
29.4 m

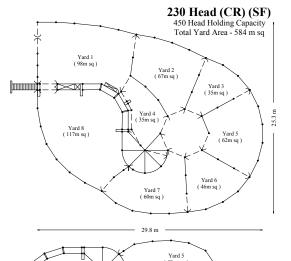


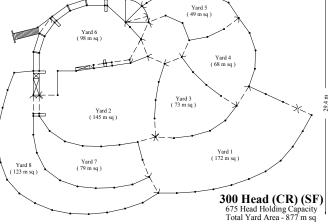
## **Curved Ratcheting Safety Force**

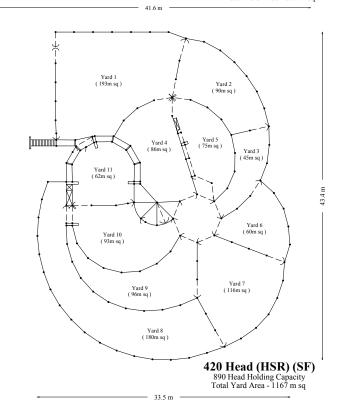








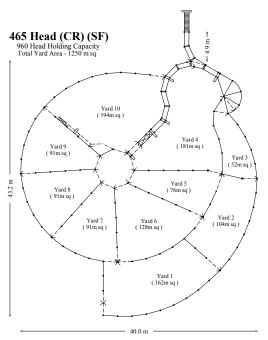




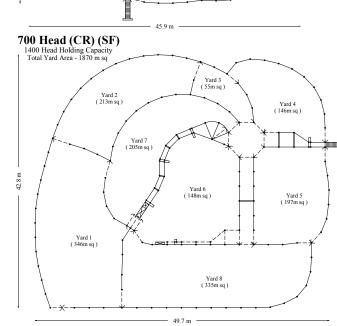


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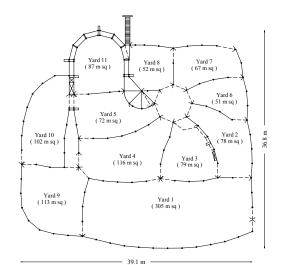
## **Curved Ratcheting Safety Force**

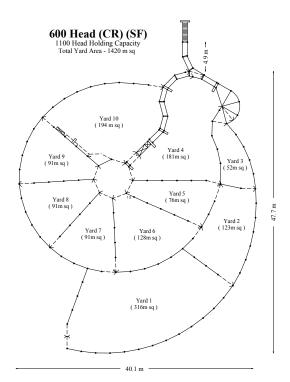


#### 545 Head (CR) (SF) 900 Head Holding Capacity Total Yard Area - 1167 m sq Yard 2 (91 m sq) Yard 3 (267 m sq) Yard 8 (209 m sq) Yard 7 (193 m sq) Yard 7 (193 m sq) Yard 6 (128 m sq)



**480 Head (HSR) (SF)** 930 Head Holding Capacity Total Yard Area - 1216 m sq







# **Sheep Yards**

M & M Stockyards have now expanded into sheep yard systems using portable modular sections including sheep panels, gates in frames and full modular drafting sections. The beauty of this type of system is that nothing has to be set in concrete. The yards can be moved or modified if needed. Gates and panels can be swapped around and the yards can be easily extended at a later date.



## **Sheep Yard Sizes - Naming Conventions**

Our sheep yard names are based on the working capacity - not the holding capacity. To be consistent in our naming convention we have based our yard sizes on 3 sheep per 1m<sup>2</sup>. This is only an approximate figure as the number will vary with shorn sheep as opposed to full wool sheep.

## **Sheep Yard Panels**

Our standard sheep yard panels have six rails and are 2.16m, 2.8m or 4.17m long and 1.05m high. We can also manufacture sheep yard panels to custom length or height. We use two styles of panel rail material -  $30 \times 30 \times 1.6$ mm gal shs (square hollow section) or our heavy duty panels have five 53 x 35 x 1.6mm oval rails and a heavier top rail of 75 x 40 x 1.6 gal oval rail. The heavy duty panels have  $50 \times 50 \times 1.6$ mm gal shs posts with a removable post cap that allow a star post to be driven through the centre of the post to provide further stability through-out the yards.



SHEEP AND CATTLE COMBINATION YARD

## **Our Unique Pinning System**



Identical to our cattle yard joining system our heavier sheep yard panels have our unique "U" shaped zinc plated cleat with a 19mm round hole to fit a tapered 16mm zinc plated pin. The lighter panels have a 14mm oval hole with a 12mm solid pin. This system is a low noise joining system with no sharp edges or protruding parts, located at both the top and the bottom of each end of a panel or gate frame. Each panel has two foot plates with two foot pins provided to allow the components to be pinned to the ground. The pinning system at the top of the panels has been positioned so that sheep's legs cannot get caught between the posts.



75 x 40 and 53 x 35 OVAL RAIL PANEL



30 x 30 SHS PANEL





GATE AND FRAME



RACE FRAME

RACE GATE



**3 WAY V DRAFTER** 



## **Sheep Yard Gates**

Our sheep yard gates are either 2.16m or 2.82m long and 1.05m high. They are complete in a heavy duty  $65 \times 65 \times 2.5$ mm gal shs braced frame that is "U" shaped to allow easy access. Similar to the panel posts the cap is removable to allow a star post to be driven through the centre of the post to provide further stability throughout the yards. The gate catches are a quick action chain catch.

## **Sheep Yard Race Gates**

Race gates are manufactured to a specific length to provide an internal race width of 550mm for both single and double races. They can be installed at the ends of the race, as well as midway to provide shorter sections in the race. Race widths can also be customised to suit your application.

## **3 Way V Race Sheep Drafter**

Our 3 Way V Race Sheep Drafter has a total length of 3.5m with the sheeted V section being 2.5m long and the drafting gates being 1.0m long. The height of the sheep drafter is the same as our sheep yard components at 1.05m. The two drafting gates have been made with 25nb pipe ends to reduce sheep catching on the posts as they are drafted. The two handles are bent slightly outwards so the operator's fingers don't get pinched while drafting. The two race gates either end are reversible depending on which side you would like them to catch. The V sheeted area assists drafting by single filing sheep and reduces the occurrence of sheep turning around as they approach the drafting gates.

## **Sheeted Sheep Yard Panels**

Sheeted sheep yard panels are used in the force areas to create a blind area for sheep to feed into the race.





# **Rail Sizes Used in Manufacturing Sheep Yard Components**

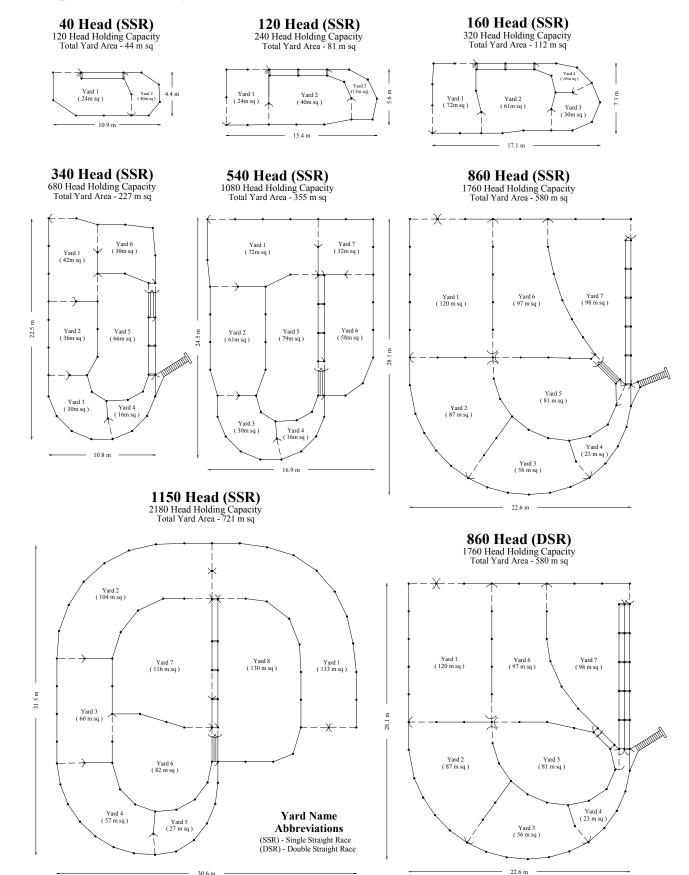


30mm x 30mm x 1.6mm Gal SHS Rail

53mm x 35mm x 1.6mm Gal Oval Rail 75mm x 40mm x 1.6mm Oval Gal Rail



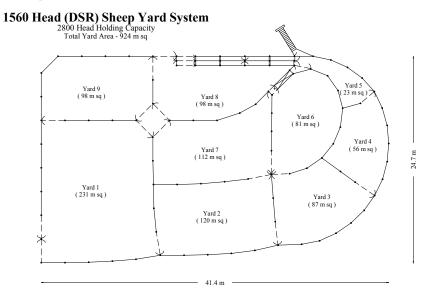
## **Sheep Yard Designs**



30.6 m



# **Sheep Yard Designs**



# Combination Cattle / Sheep Yards Sheep Yards Illustrated in Red

