



MARSHALL

Engineering excellence for **60** *years*



“The design is in the detail. Small changes delivering big results”

The Marshall Company History

Charles J Marshall (Aberdeen) Ltd celebrated its Diamond Anniversary in 2012. **Sixty four years ago, the Marshall brand was conceived by Charles J Marshall; the year was 1952.** This tenacious 18-year-old apprentice joiner decided that after his National Service, he would establish his own business producing something that he could sell en-masse. At this time in history the introduction of the new technically advanced tractor was just in its infancy and the young Charles decided this was his time to capitalize on this opportunity.

While he was posted in Aberdeen, he was able to combine army national service throughout the day while building trailers at night; no mean feat but a win/win situation for this young man. His initial modest ambition was to build himself a factory to supply the whole of Scotland and to be the largest supplier in this territory!

To achieve this goal some land and a small croft were purchased, just 6 miles from Aberdeen. Charles managed to secure this at the cost of £2,450. Needless to say his current long suffering neighbours were delighted as they had endured years of noise and constant TV interference from power tools used by this enthusiastic young man.

By 1956 the first part of the present factory building was completed, named Chapel Works, it covered a 12,000 sq. ft. site. True to form, the young Charles supervised and even poured the concrete blocks by hand to ensure that the best value was achieved from his investment.



By this stage he was employing all the trades required to manufacture steel and timber trailers. Production output had rocketed up from a mere 46 units built in 1952 to supplying well over 1600 units per year by the mid sixties - no small feat for a joiner!

Equipment was another area of investment that was expanded to keep up with rising demand. A new press brake and guillotine were purchased, the largest north of the Clyde at that time! Likewise, the shrewd move away from the "slow" arc welders to the latest concept of MIG welders also proved to be a winning formula for speeding up production. Nothing was going to hold him back from achieving his original ambition!

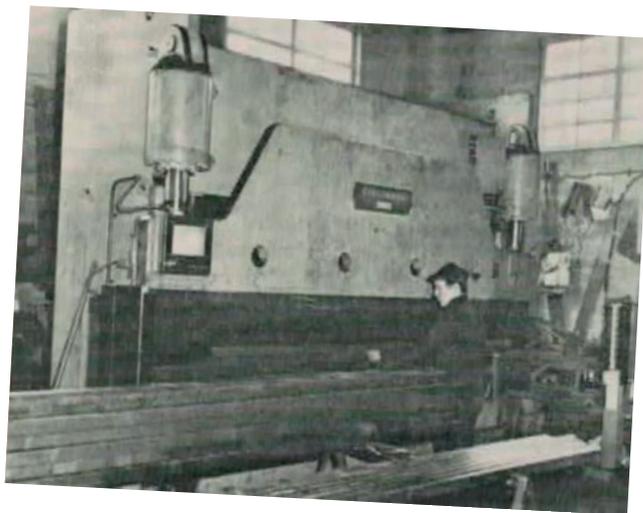
The 1970s were the years of strike action and horrendous labour relations and Charles was extremely proud of the fact that he never had a strike and his factory still produced throughout this period. This result, he firmly believes, came from his own work ethic and the fact that even at this stage in business; he worked a full day with his staff on the shop floor. No job was too menial for Charles and no task was asked to be undertaken that he could or would not do himself.



Above:
The 3 - Ton Rear Tipping Hydraulic Trailer first advertised in 1952.

The greatest advantage to his new factory layout was the ability to create the relatively new concept of a production line that allowed for the most efficient use of labour; always an expensive commodity and not to be wasted! Although said tongue in cheek, Charles quickly realised that labour was an essential requirement but had to be used efficiently so the production line was integral to this.

Then as today, Charles invested heavily in his business and purchased vast stocks of steel and other components. This gave him the added advantage of being able to buy at very competitive prices and so produce a more cost effective trailer. The knock on result from this strategy was a rapid expansion of turnover allowing him to further develop the factory premises.



Above: The inception of the Hydraulic Press Brake.

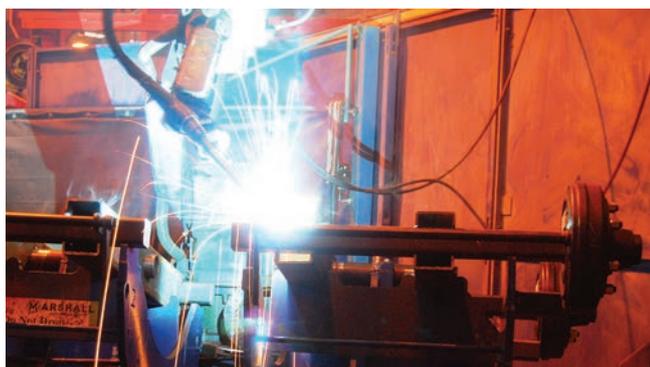
Now producing well over 2000 units per year and with an extremely efficient factory, his focus turned to rotary spreaders to continue to increase production. Once again these spreaders were distributed throughout the country and in partnership with an extensive dealer network that he worked hard to supply. The success of the spreader was further augmented by the introduction of the Marshall slurry tanker in the 1980s.

In 1982 the bright new talent of Charles Richard was introduced and he started his apprenticeship within the firm. Like his father before him, he also worked his way through the shop ensuring he had the same sound understanding of the business as his father and today he feels that nothing really beats the experience gained from doing it yourself. Taking up his present position as managing director in 1998; he has successfully steered the company through the years of BSE and foot and mouth.

Like his father before him, he still operates the firm on a daily basis handling all the purchasing, sales, after service and the general management required for a company of this size to function. Throughout its 63 year history, no answer phones have ever been used and Charles R is still fully committed to the fact that customers are what make a business.

All this "modern" rubbish of electronically answered phones, emails, faxes, texts are the downfall of many a business as it seems the customer is no longer important enough to be spoken to directly, a position that will never change as long as Charles is in charge.

Today we are still proud of our original Chapel Works premises and we continue to invest and annually spend six figure sums to ensure we stay ahead of our competition. We produce on average 46 units per week that are sold throughout the world and we can now proudly boast we are the UK's oldest and largest trailer manufacturer.



Above: Robot Welder

Charles successfully achieved a LLB Hons in Law and graduated from Aberdeen University while his brother achieved Student of the Year at Lackham College in Wiltshire passing a BTEC with triple distinction in land based technology. Since joining the business the pair of them have been kept busy with various different roles throughout the company; there is no better way for them to learn than to do it themselves!

In any family business the younger generation always brings fresh ideas and enthusiasm to the company, and Charles and David have been no different. They have had a huge influence on the business and encouraged many of the changes introduced in the last few years. These changes are clear to see in the finish and quality of the final product, but the really radical changes have been with how the product is produced! We have borrowed 21st century production methods from the motor-industry, that rely on better integrating our state of the art plasma cutters, presses and robot welders to the production line. The end results are machines that are better looking and better finished every time!

Now there should be no excuse not to consider a Marshall machine; a family business with traditional values producing a modern, state of the art product!



Above: The production line as it was in 1973.

2012 was quite a milestone in the history of our company as we celebrated 60 years in the business and we are proud to be manufacturing trailers and other farm machinery. Perhaps what is more remarkable is the fact that we are still owned and operated by the same family; quite a feat if we say so ourselves!

In 2012 the company also welcomed the next generation into the fold. The grandsons of Charles J Marshall, namely Charles Peter and his brother David, have now completed their studies.



Left to right: Charles P, David, Charles J and Charles R.

Company History

www.marshall-trailers.co.uk

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Optional Equipment & Wheel Assemblies

Dealer Fit Concept

The design of trailers has changed dramatically over the last sixty years, from hundreds of trailers exactly the same to the current situation where almost every trailer is custom built. Naturally this makes it more and more difficult to stock the correct model, with the correct specification; something we are well aware of at Marshalls and are beginning to address with our new dealer fit concept! The majority of options will be able to be easily and efficiently fitted to different models without paint rectification, allowing almost any specification of trailer to be created from a standard model.

It is as simple as following these steps:

- 1 Study the specification tables in our pricelist or on our website. Identify whether an option can be dealer fitted and note how many hours are required to fit the option; the specification tables have the following text to identify this:

(DF - I)



Indicates option can be dealer fitted

Fitting time in hours

- 2 Contact us to order the required kit, either by telephone, fax, email or by ordering through our website.
- 3 The kit will be dispatched to you, along with fitting instructions. If necessary do not hesitate to contact us for further help when fitting kits.
- 4 Fit the required kits to meet a customer's specification, allowing you to retail a machine that would otherwise remain in stock.

This is just one example of the exciting new changes we have introduced since 2015; study our pricelist for more of our new upgrades and updates!

Contents

The Marshall Design and Production Philosophy

In the last three years there have been huge changes to the Marshall product range, the options available, the design and of course the quality and finish. These improvements have only been possible due to a major change in how the product is manufactured; borrowing production techniques and processes from the motor industry the current machine ranges are intelligently produced, designed and manufactured. Detailed below are some of the ideas and concepts that have been introduced to move Marshalls above the accepted standard of machines produced in the UK:



Less is More

This is a basic idea that involves reducing the number of parts and components each product needs; the less parts the less potential for mistakes. This has been achieved by folding more parts using our 230-ton CNC press brakes; rather than welding two parts together we try to fold the required shape out of a single piece of material. The added benefits of this are more accurate components that require less welding, grinding and buffing; all things that are inevitably highlighted when the machine is painted.



Sub-assemblies

The factory production lines now have sub-assemblies delivered to the line; these are a group of components that have been built separately into a larger assembly that is then fitted to the main body of the machine. This reduces the number of jobs each person on the production line has to carry out, allowing them to focus on their required tasks. However the unique benefit of this concept is that all the sub-assemblies are produced on robotic welders, ensuring that every assembly is 100% right every time. This gives a level of consistency and finish that is currently unique in UK trailer manufacturing.



Less Measuring

This is a very clever design system that actually improves the fit and finish of every product. It is hard to believe that less measuring creates a better product, but that is what we have achieved. Components have tabs and slots cut into them by our CNC plasma cutters allowing each model to simply fit together like a giant 3D jigsaw; this reduces human error by preventing measuring mistakes and parts being fitted together incorrectly.

These changes are only a small example of the processes and procedures that have been implemented. However it does demonstrate the company's continued focus to innovate and progress; the results of this approach are raising Marshalls to a unique industry leading level of quality and finish. Watch this space!

**Design and
Production**

www.marshall-trailers.co.uk



Drop-side Trailer Range



Model Shown: S/5GS - Front View



Model Shown:
S/10SS - Rear View



Model Shown: S/6 - Mesh Sides



Model Shown: S/4 - Bale Extension & Harvest Ladders

The most versatile trailer you will ever use.

Our range of drop-side trailers can be configured to suit almost any requirement.

Grain Sides – Available on S/5 upwards; comes complete with a full height door to allow bulky loads to be safely discharged.

Silage Sides – Available on S/5 upwards; comes complete with two side loading panels and uses Marshall's unique hydraulic silage door locking system fitted to the rear of the trailer, preventing any damage from the side.

Mesh Sides – Available on all models; these sides simply bolt on to the trailer. They provide an increased capacity for light loads such as leaves and grass.

Bale Extension & Harvest Ladders – Available on S/4 upwards; the extension increases the bed lengths of our S/4, S/5 & S/6 models by 3' and our S/85 & S/10 models by 4'.

Drop-side Trailer Range

www.marshall-trailers.co.uk/range/drop-side-trailers

The details make the design...

Hose Tidy

This simple piece of design provides a safe secure location to store the hoses and wiring when not in use, helping to stop debris and dirt interfering with the connections.





Options, options and more options.

Every trailer in our drop-side range can be adjusted to your specification, with a number of useful options to ensure our trailers can tackle any job.

Door Options – every model in the range has a number of door options to ensure different loads can be safely discharged. This includes doors hinged at the top or the bottom, side opening doors or even barn doors; it is all possible.

Lighting Options – lights are standard on our S/4 models upwards and optional on our S/2 model. The standard light units fitted are commercial grade, and sealed to prevent water damage. In addition it is also possible to upgrade to LED lights and LED beacons are available as an option for all models.

Tyre Options – there are a range of tyres available for each model that provide improved floatation or better performance on the road. To find out more information about our tyre options see page 10 for the drop-side specification chart and page 44 for our tyre guide.



Recessed Lights



15 - 55 x 17 Floatation Tyres

The details make the design...

Hinge Design

The entire range of drop-side trailers benefits from a hinge design that uses our state of the art CNC plasma cutters to profile 16mm steel plates; providing a precision fit and durable design.

Drop-side Trailer Range

www.marshall-trailers.co.uk/range/dropside-trailers



Model Shown: S/2 Basic



Model Shown: S/85GS - Rear View

Engineered to last.

Our entire drop-side range has been intelligently designed with a number of clever features to maximize strength and durability.

Pressed Panel Construction – This production technique increases strength and rigidity without adding significant weight, ensuring that the side panels can safely and easily be handled or removed.

Fixed Headboard – Every trailer in our drop-side range has a fixed headboard as standard. This increases torsional rigidity to reduce flexing when the trailer is being used.

Fully-braced Hinge Points – Our whole drop-side range uses the same hinge points, which are reinforced to stand up to the constant opening and closing action drop-side trailers have to endure.

Fully Welded Construction – No compromises are made in the construction of our trailers, with every model utilizing a fully welded construction. This provides two major benefits; the overall durability of the trailer is increased and there is less opportunity for water to sit and cause rust.

Marshall Chassis Design – Our smaller models use a fully-welded channel chassis that provides unmatched strength while keeping weight down. Our S/85 and S/10 models use a square chassis configuration to improve stability and reduce flexing when loading. In addition our S/10 model also benefits from a further strengthened chassis, which employs an 8mm thick reinforcing plate over the front of the chassis members to provide incredible rigidity.

Drop-side Trailer Range

www.marshall-trailers.co.uk/range/drop-side-trailers

The details make the design...

Top Frame Design

The S/4, S/5 and S/6 models benefit from an interlocking top-frame design, which creates fantastic rigidity and strength. This design is only possible by using our CNC plasma cutters and 230-ton CNC press brakes.





The right trailer, with the right running gear.

It is now more important than ever to make sure that trailers have the correct suspension, axles and brakes. We recognize this and accordingly we ensure all our models exceed the legal requirements for agricultural trailers, and of course we offer a number of optional extras to further improve performance if required.

Suspension

Springs – Available on our tandem axle S/85 and S/10 models as a no-cost option and on our single-axle S/4, S/5 and S/6 models as an optional extra. The benefit of spring suspension is for road-work because it handles uneven surfaces better at speed.

Rocker Tandem – Only available on our tandem axle S/85 and S/10 models as a no-cost option. This suspension set-up is excellent on steep ground or when transporting high-loads since it prevents lateral movement improving the stability of the trailer. The rocker tandem units are also welded on our robotic welders to provide a precise and consistent finish; critical for any suspension component.

Axles & Brakes

Our whole drop-side range comes complete with hydraulically operated brakes as standard; the only exception is our S/2 model, which has the option to fit hydraulic brakes. The sizes of the brakes on our drop-side range are also more than acceptable; providing braking efficiencies in excess of the current legal requirements. See our running gear guide on page 45 for more information.



Spring Suspension



Rocker Tandem Suspension



The details make the design...

The Correct Capacity & Dimensions

The complete range of Marshall drop-side trailers have been developed to hold and carry the stated weights; the running gear, dimensions and construction are properly matched to the size of the trailer.

Drop-side Trailer Range

www.marshall-trailers.co.uk/range/drop-side-trailers

Drop-side Trailer Range

Prices, Specification and Options

	S/2	S/4	S/5	S/6	S/85	S/10
Basic Price	£2,500	£3,448	£3,845	£4,733	£7,350	£9,425
Grain Price	N/A	N/A	£4,513 (DF-2.5)	£5,362 (DF-2.5)	£8,004 (DF-2.5)	£10,107 (DF-2.5)
Silage Price	N/A	N/A	£5,231 (DF-2.5)	£6,225 (DF-2.5)	£9,047 (DF-2.5)	£11,290 (DF-2.5)
Body Size - Imperial	8' x 5' x 15"	10' x 6' x 18"	10' 6" x 6' 9" - 7' x 21"	12' x 6' 9" - 7' x 21"	14' x 7' 6" - 7' 9" x 24"	16' x 7' 6" - 7' 9" x 24"
Standard Tyre Size	10.0 x 12 - 10 ply	10.0 x 15 - 10 ply	11.5 x 15 - 10 ply	12.5 x 15 - 14 ply	12.5 x 15 - 14 ply	400 - 60R x 22.5
Axle	50mm 5 stud	60mm 6 stud	70mm 6 stud	70mm 6 stud	70mm 6 stud Tandem	80mm 8 stud Tandem
Brake	N/A	250 x 60	300 x 60	300 x 60	300 x 60	350 x 90
Carrying Capacity	2 tons	4 tons	5 tons	6.5 tons	8.5 tons	10.5 tons
Floor Thickness	2.5mm	3mm	3mm	4mm	4mm	4mm
Side Thickness	2.5mm	2.5mm	2.5mm	2.5mm	2.5mm	2.5mm
Lights	£151 (DF-1)	Standard	Standard	Standard	Standard	Standard
Hyd Brakes	£235 (DF-1.5)	Standard	Standard	Standard	Standard	Standard
Side Loading Panels	N/A	N/A	Standard	Standard	Standard	Standard
Volume Basic	50 cu.ft / 1.41 cu. mtrs	90 cu.ft / 2.55 cu. mtrs	128 cu.ft / 3.62 cu. mtrs	147 cu.ft / 4.16 cu. mtrs	216 cu.ft / 6.1 cu. mtrs	248 cu.ft / 7.0 cu. mtrs
Volume Grain	N/A	N/A	238 cu. ft	273 cu. ft	434 cu. ft	496 cu. ft
Volume Silage	N/A	N/A	457 cu. ft	525 cu. ft	704 cu. ft	930 cu. ft
Basic Trailer Weight	460kgs	910kgs	1007kgs	1360 kgs	2310 kgs	2746 kgs
Loading Height Basic	45" / 1.14m	52" / 1.32m	58" / 1.47m	60" / 1.52m	65" / 1.65m	71" / 1.80m
OPTIONAL EQUIPMENT						
26.0 x 12	£345 (DF-0.5)	N/A	N/A	N/A	N/A	N/A
11.5 x 15	N/A	£68 (DF-0.5)	Standard	N/A	N/A	N/A
12.5 x 15	N/A	£160 (DF-0.5)	£92 (DF-0.5)	Standard	Standard	N/A
340 x 65 x 18 Radial	N/A	N/A	£762 (DF-0.5)	£670 (DF-0.5)	£1,340 (DF-1)	N/A
15-55 x 17	N/A	£450 (DF-0.5)	£450 (DF-0.5)	£340 (DF-0.5)	£680 (DF-1)	N/A
NEW 400-60 x 22.5	N/A	N/A	N/A	N/A	N/A	£788 (DF-1)
8 inch Hatch	N/A	N/A	£118	£118	£118	£118
12 inch Hatch	N/A	N/A	N/A	N/A	£142	£142
Spring Drawbar	N/A	N/A	N/A	N/A	£782	£782
Bale Extension	N/A	£325 (DF-1)	£325 (DF-1)	£325 (DF-1)	£375 (DF-1)	£375 (DF-1)
Harvest Ladders (pair)	N/A	£183 (DF-0.25)	£183 (DF-0.25)	£183 (DF-0.25)	£183 (DF-0.25)	£183 (DF-0.25)
Spring for Single Axle	N/A	£360	£360	£390	N/A	N/A
Trailer Cover (640g PVC)	£170 (DF-0.25)	£170 (DF-0.25)	£170 (DF-0.25)	£170 (DF-0.25)	£180 (DF-0.25)	£220 (DF-0.25)
LED Beacon	£135 (DF-0.25)	£135 (DF-0.25)	£135 (DF-0.25)	£135 (DF-0.25)	£135 (DF-0.25)	£135 (DF-0.25)
LED Tail Lights	£301 (DF-1)	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)	£180 (DF-0.5)	£180 (DF-0.5)
10 Stud Commercial Axle	N/A	N/A	N/A	N/A	N/A	£1,214
10 Stud Commercial Axle c/w ABS Brakes	N/A	N/A	N/A	N/A	N/A	£4,620
Air/Oil Brakes (non ABS) c/w Load Sensing	N/A	£1,200	£1,200	£1,200	£1,350	£1,350 (DF-4)
Oil Load Sensing	N/A	£750	£750	£750	£750	£750 (DF-2)
18" Mesh Sides	£425 (DF-1.5)	£425 (DF-1.5)	£475 (DF-1.5)	£475 (DF-1.5)	£525 (DF-1.5)	£525 (DF-1.5)
Rear Tow Hitch c/w Lights and Brakes	N/A	£425	£425	£425	£425	£325 (DF-2)
Jack Screw in lieu of Skid	Standard	£95 (DF-0.5)	£95 (DF-0.5)	£95 (DF-0.5)	N/A	N/A
Rear Ramps (Aluminium, 3m, 7.4 ton)	£1,275 (DF-0.25)	£1,275 (DF-0.25)	£1,275 (DF-0.25)	£1,275 (DF-0.25)	£1,275 (DF-0.25)	£1,275 (DF-0.25)

Dealer Fit =  To see our full range of options visit www.marshall-trailers.co.uk/configure-machine

Drop-side Trailer Range

www.marshall-trailers.co.uk/range/dropside-trailers

The details make the design... Lighting Arrangement

Lights are standard on the S/4 model upwards and optional on the S/2 model. The light units on all models are recessed into the back-rail of the trailers for improved protection. This is combined with a wiring system that uses a "plug and play" set up; the wiring loom physically plugs into the light units creating an excellent seal that prevents water ingress and allows the light units to be easily replaced in the event of an accident.



Drop-side Range

10 Reasons to Choose Marshalls

We're not afraid but the competition should be! Ask our competitors the questions below, compare our specifications, compare our prices and see why Marshalls is the right choice.

	Model	Marshall	Competitor	
1	How thick is the floor?	S/2	2.5mm	
		S/4	3mm	
		S/5	3mm	
		S/6	4mm	
		S/85	4mm	
		S/10	4mm	
2	How thick are the sides?	S/2	2.5mm - Pressed Construction	
		S/4	2.5mm - Pressed Construction	
		S/5	2.5mm - Pressed Construction	
		S/6	2.5mm - Pressed Construction	
		S/85	2.5mm - Pressed Construction	
		S/10	2.5mm - Pressed Construction	
3	Are hydraulic brakes & lights standard?	S/2	Optional	
		S/4	Standard	
		S/5	Standard	
		S/6	Standard	
		S/85	Standard	
		S/10	Standard	
4	What is the trailer's unladen weight?	S/2	460kgs	
		S/4	910kgs	
		S/5	1007kgs	
		S/6	1360kgs	
		S/85	2310kgs	
		S/10	2746kgs	
5	What is the trailer's cubic capacity?	S/2	1.41 cu. mtrs	
		S/4	2.55 cu. mtrs	
		S/5	3.62 cu. mtrs	
		S/6	4.16 cu. mtrs	
		S/85	6.1 cu. mtrs	
		S/10	7 cu. mtrs	
6	What is the trailer's axle size?	S/2	50mm 5 stud Single Axle	
		S/4	60mm 6 stud Single Axle	
		S/5	70mm 6 stud Single Axle	
		S/6	70mm 6 stud Single Axle	
		S/85	70mm 6 stud Tandem Axles	
		S/10	80mm 8 stud Tandem Axles	
7	What is the trailer's brake size?	S/2	Optional	
		S/4	250 x 60	
		S/5	300 x 60	
		S/6	300 x 60	
		S/85	300 x 60	
		S/10	350 x 90	
8	Does the trailer have a tapered body?	S/2	No	
		S/4	No	
		S/5	3" Taper	
		S/6	3" Taper	
		S/85	3" Taper	
		S/10	3" Taper	
9	What style of chassis does the trailer have?	S/2	6mm Pressed Tapered Chassis Design	
		S/4	6" x 3" Channel Tapered Chassis Design	
		S/5	7" x 3" Channel Tapered Chassis Design	
		S/6	7" x 3" Channel Tapered Chassis Design	
		S/85	8" x 3" Channel Square Chassis Design	
		S/10	10" x 3.5" Channel with 8mm Reinforcing Plate	
10	What paint finish does the trailer have?	S/2	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
		S/4	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
		S/5	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
		S/6	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
		S/85	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
		S/10	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
	Final Score:			
	Price:			



The details make the design...

Quality Paint Process

The drop-side trailer range is treated to the same paint process that is applied across all the product ranges. The steel work is completely shot-blasted prior to painting, which gives a much better surface for paint adhesion. The paint is then applied in a two stage process, utilising an 80 micron high-build primer and a 50 micron polyurethane gloss.

Drop-side Trailer Range

www.marshall-trailers.co.uk/range/drop-side-trailers



QM Monocoque Trailer Range



Model Shown: QM/12 Basic



Chrome Rams



50mm Fully-bushed Tip Point and Rear Tow Point

Built to perform.

Our QM range combines superior construction and clever design to create trailers that are strong, reliable and durable; the basic requirements of any good trailer.

Body Design – the floors of the entire range are 5mm thick and the sides are either 3.5mm or 4mm thick, ensuring an extended service life. When mudguards are specified the floor thickness of the trailer above the wheels is 10mm and the mudguards are designed to bolt on, so in the event they are damaged they can be easily replaced. Every model also benefits from a fully welded construction with a substantial number of floor and side bearers to improve overall rigidity and strength.

Chassis Design – the QM/11 model upwards uses a unique chassis design that is formed from heavy duty channels with 8mm or 10mm reinforcing plates stitch welded to the channels. This set-up provides unrivalled strength, while also allowing the chassis to flex when required; if the chassis is too rigid then it can become prone to cracking and premature failure.

Tipping Mechanism – the tipping points on our QM/6 and QM/8 models use a toughened 24mm bolt and on our QM/11 model upwards, a fully bushed 50mm solid steel bar is used to eliminate any potential weak link in the design. Similarly our QM/11 model upwards also benefits from twin industrial chrome rams, which are comparable to the rams used on construction excavators; this prevents any harmful corrosion and provides years of trouble free operation.

QM Monocoque Trailer Range

www.marshall-trailers.co.uk/range/silage-grain-trailers

The details make the design...

Drawbar Design

This intelligent design has resulted in our new drawbars being incredibly strong, while also creating a modern, sleek looking finish. This is only possible due to the advanced fabrication equipment we use; two 8mm plates are folded together by our CNC presses and overlapped before our robotic welders complete the process by welding the parts together.





High-performance running gear.

With ever increasing tractors speeds and heavier loads having the correct running gear has never been more important, accordingly our entire QM range is prepared to handle these challenges.

Suspension

Springs – Available on all our tandem axle QM models as a no-cost option and available on our QM/6 single axle model as a priced option. Our QM/8, QM/11, QM/12 and QM/1200 models use multi-leaf springs to keep the trailer height down for improved stability, while still providing excellent road performance. On our QM/14 model upwards 4-leaf parabolic springs are utilized to handle the increased weights.

Rocker Tandem – Available on all our tandem axle models as a no-cost option. This suspension set-up is more stable than springs as it eliminates lateral movement, while providing a smooth ride when travelling forward. Our rocker tandems are constructed from box-section with a 50mm solid steel bar pivot, that has devlon bushes and grease points to ensure an extended working life-span. The rocker tandem units are also welded on our robotic welders to provide a precise and consistent finish; critical for any suspension component.

Axles & Braking

Every model in the QM range has hydraulic brakes as standard with the option for air brakes with load sensing and ABS. There is also the option for hydraulic load sensing. Our QM/11, QM/12 & QM/1200 models use 8 stud 350 x 90 axles, with the option to upgrade to commercial axles for high-speed road work. Commercial 10 stud 420 x 180 axles are standard on our QM/14 model upwards; these are the same size of axles that are used on HGVs and provide exceptional braking and high-speed performance.

4-leaf Parabolic Springs



Rocker Tandem Suspension



10 Stud 420 x 180 S - Cam Commercial Axle



The details make the design...

Inspection Ladder

The whole QM range comes with an inspection ladder as standard, which is fabricated from chequered plate and precision welded by our robot welders before being treated with a galvanized finish.

QM Monocoque Trailer Range

www.marshall-trailers.co.uk/range/silage-grain-trailers



Model Shown: QM/I200 Basic



Model Shown: QM/8SS - Swinging Tailgate Style Sides

Designed around you.

With so many different demands placed on agricultural trailers it is now essential to offer a large range of options to ensure that our monocoque range can handle any task.

Cereals – our QM and QM00 range are both ideal for this type of work. The QM00 range has a marginally larger carrying capacity than the QM range with basic sides.

Silage – both our ranges of monocoque trailers are available with silage sides. The QM range is available with swinging tailgate style sides or silage attachment style sides; the swinging tailgate style sides allow for more capacity, while the silage attachment style sides are quicker to switch between silage and cereal set-ups. Our QM00 range is only available with silage attachment style sides. In 2014 we introduced our new silage attachment style sides that provide increased strength and rigidity thanks to the specially designed internal plate. The improvements do not stop there as the overall look of the sides has also been modernized.

Rootcrop – our QM range has 4' high sides to minimize the distance crops have to fall during loading. When specified with 560/60 x 22.5 wheels and a full width front window, our QM range is ideal for rootcrop work.

Sugar Beet – with high tip rams either our QM or QM00 range can handle sugar beet work. The high tip rams ensure that the load correctly discharges before the 90 degree opening hydraulic door grades the heap.

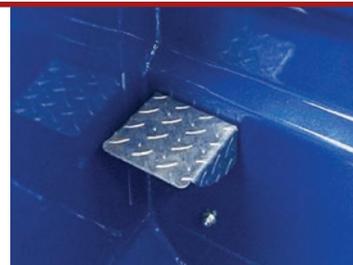
QM Monocoque Trailer Range

www.marshall-trailers.co.uk/range/silage-grain-trailers

The details make the design...

Internal Access Step

Inside the bodies of our QM range a removable access step is fitted. Folded and fabricated from chequered plate the step is then galvanized to provide a long service life.





Bespoke trailers. Just ask!

It's always possible to modify our standard ranges to meet a customer's needs, whether this is to change the physical build of the trailer or simply a different colour scheme, we can accommodate most requests.

Build Options – we are able to alter certain build options on our range, such as fold down sides, axle placements, increased floor thicknesses and body dimensions.

Wheel Options – certain tyre sizes and brands that we do not offer as a standard option can be requested.

Paint Options – this is another bespoke option that we are able to offer, allowing customers to specify the colour finish of their trailer. In the past colour options have included John Deere green, New Holland blue, Maserati blue, Kubota orange, Fendt green, Claas green, white and yellow for municipal use.

Lighting Options – another area that we offer multiple specification options. LED lights at a high or low level are available along with dual lights and LED beacons.



Model Shown:
QM/12 - Bespoke Dimensions, Front Window and Colour



LED Lights



LED Beacon



Dual Lights



Steering Axle

The details make the design...

Dealer Fit

The simple idea of this new design approach and concept is to allow 80% of our optional extras to be retrofitted to our product ranges without the need for any fabrication or paint rectification. The QM range is naturally designed around this idea and the benefits are huge! It allows us as manufacturers to stock basic trailers that can be adapted to meet customer demands for improved delivery, it allows dealers to supply the correct specification of trailer to customers faster and for the farmer to add to the trailers' functionality and extend its lifespan. The best example of this is the ability to add air brakes to the QM range, so if a tractor is upgraded to air brakes the trailer can be made to match without the need to change the entire trailer!

QM Monocoque Trailer Range

www.marshall-trailers.co.uk/range/silage-grain-trailers

QM Monocoque Trailer Range

Prices, Specification and Options

	QM/6	QM/8	QM/11	QM/12	QM/1200	QM/14	QM/1400	QM/16	QM/1600	QM/1800
Basic Price	£5,811	£8,450	£11,145	£12,876	£12,876	£15,750	£15,750	£16,600	£16,600	£18,415
Silage Price	£6,875	£9,650	£12,700	£14,542	£14,542	£17,880	£17,880	£18,773	£18,773	£20,588
Body Size - Imperial	12' x 7' 3" - 7' 6" x 4'	14' x 7' 3" - 7' 6" x 4'	16' x 7' 9" - 8' x 4'	18' x 7' 9" - 8' x 4'	16' x 7' 9" - 8' x 4' 8"	21' x 7' 9" - 8' x 4'	18' x 7' 9" - 8' x 4' 8"	24' x 7' 9" - 8' x 4'	21' x 7' 9" - 8' x 4' 8"	24' x 7' 9" - 8' x 4' 8"
Standard Tyre Size	12.5 x 15	12.5 x 15	400 - 60R x 22.5	400 - 60R x 22.5	400 - 60R x 22.5	400 - 60R x 22.5	400 - 60R x 22.5	400 - 60R x 22.5	400 - 60R x 22.5	NEW 385-65 x 22.5
Axle	6 Stud 70mm	6 Stud 70mm	8 Stud 80mm	8 Stud 80mm	8 Stud 80mm	10 Stud 120mm High Speed Commercial				
Brake	300 x 60	300 x 60	350 x 90	350 x 90	350 x 90	420 x 180 S Cam				
Carrying Capacity	6.5 tons	8.5 tons	11 tons	12 tons	12 tons	14.5 tons	14.5 tons	16.5 tons	16.5 tons	18.5 tons
Floor Thickness	5mm	5mm	5mm	5mm	5mm	5mm	5mm	5mm	5mm	5mm
Side Thickness	3.5mm	3.5mm	3.5mm	4mm						
Lights & Hyd Brakes	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Side Loading Panels	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Volume Basic	360 cu.ft / 10.2 cu.mtrs	420 cu.ft / 11.9 cu.mtrs	512 cu.ft / 14.5 cu.mtrs	576 cu.ft / 16.3 cu.mtrs	597 cu.ft / 16.9 cu.mtrs	672 cu.ft / 19 cu.mtrs	672 cu.ft / 19 cu.mtrs	768 cu.ft / 21.7 cu.mtrs	784 cu.ft / 22.2 cu.mtrs	896 cu.ft / 25.4 cu.mtrs
Volume Silage - Swinging Door Style Sides	720 cu.ft / 20.4 cu.mtrs	840 cu.ft / 23.8 cu.mtrs	1024 cu.ft / 29 cu.mtrs	1152 cu.ft / 32.6 cu.mtrs	N/A	1344 cu.ft / 38 cu.mtrs	N/A	1536 cu.ft / 43.4 cu.mtrs	N/A	N/A
Volume Silage - Hyd Door Attach. Style Sides	609 cu.ft / 17.2 cu.mtrs	710 cu.ft / 20.1 cu.mtrs	865 cu.ft / 24.5 cu.mtrs	973 cu.ft / 27.5 cu.mtrs	1013 cu.ft / 28.7 cu.mtrs	1135 cu.ft / 32.1 cu.mtrs	1140 cu.ft / 32.3 cu.mtrs	1298 cu.ft / 36.7 cu.mtrs	1330 cu.ft / 37.6 cu.mtrs	1426 cu.ft / 40.4 cu.mtrs
Basic Trailer Weight	1680 kgs	2260 kgs	3740 kgs	3960 kgs	3980 kgs	4980 kgs	5010 kgs	5590 kgs	5640 kgs	6100 kgs
Loading Height Basic	83"/2.11m	89"/2.26m	95"/2.41m	96"/2.44m	104"/2.64m	96"/2.44m	104"/2.64m	98"/2.49m	106"/2.69m	106"/2.69m
Tip Angle (Degrees)	50°	45°	46°	49°	49°	50°	50°	51°	51°	51°
OPTIONAL EQUIPMENT										
15-55 x 17	£340 (DF-0.5)	£680 (DF-1)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
340 x 65 x 18 Radial	£670 (DF-0.5)	£1,340 (DF-1)	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
NEW 400-60 x 22.5	N/A	N/A	£788 (DF-1)	£788 (DF-1)	£788 (DF-1)	N/A	N/A	N/A	N/A	N/A
550-45 x 22.5	N/A	N/A	£2,005	£2,005	£2,005	£1,640 (DF-1)	£1,640 (DF-1)	N/A	N/A	N/A
560-45 x 22.5	N/A	N/A	£2,645	£2,645	£2,645	£2,280 (DF-1)	£2,280 (DF-1)	£2,280 (DF-1)	£2,280 (DF-1)	N/A
560-60 x 22.5	N/A	N/A	N/A	N/A	N/A	£3,080	£3,080	£3,080	£3,080	£3,080
Mud Guards/Wings - Bolt On	N/A	£365	£365	£365	£365	Standard	Standard	Standard	Standard	Standard
8 inch Hatch	£118	£118	£118	£118	£118	N/A	N/A	N/A	N/A	N/A
12 inch Hatch	£142	£142	£142	£142	£142	£142	£142	£142	£142	£142
Spring Drawbar	N/A	£782	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Hyd Door Safety Valve	£160 (DF-1.5)	£160 (DF-1.5)	£160 (DF-1.5)	£160 (DF-1.5)	£160 (DF-1.5)	£160 (DF-1.5)	£160 (DF-1.5)	£160 (DF-1.5)	£160 (DF-1.5)	£160 (DF-1.5)
Hyd Door Seal	£195	£195	£195	£195	Standard	£195	Standard	£195	Standard	Standard
Hyd Up & Over Grain Door	£983	£983	£983	Standard						
Hyd Grain Door c/w Silage Attachments	Standard - When Hyd Grain Door and Silage Sides Specified	Standard - When Hyd Grain Door and Silage Sides Specified	Standard - When Hyd Grain Door and Silage Sides Specified	Standard - When Silage Sides Specified (DF-2)						
Swinging Door Style Silage Sides	Standard - When Hyd Grain Door Not Specified (DF-3)	Standard - When Hyd Grain Door Not Specified (DF-3)	Standard - When Hyd Grain Door Not Specified (DF-3)	No-cost Option (DF-3)	N/A	No-cost Option (DF-3)	N/A	No-cost Option (DF-3)	N/A	N/A
Trailer Cover (640g PVC)	£170 (DF-0.25)	£180 (DF-0.25)	£220 (DF-0.25)	£240 (DF-0.25)	£240 (DF-0.25)	£260 (DF-0.25)				
Roll Over Cover (1000g PVC)	£1,275 (DF-5)	£1,275 (DF-5)	£1,275 (DF-5)	£1,275 (DF-5)	£1,275 (DF-5)	£1,275 (DF-5)	£1,275 (DF-5)	£1,275 (DF-5)	£1,275 (DF-5)	£1,275 (DF-5)
LED Beacon	£135 (DF-0.25)	£135 (DF-0.25)	£135 (DF-0.25)	£135 (DF-0.25)	£135 (DF-0.25)	Standard	Standard	Standard	Standard	Standard
LED Tail Lights	£150 (DF-0.5)	£150 (DF-0.5)	£180 (DF-0.5)	£180 (DF-0.5)	£180 (DF-0.5)	£180 (DF-0.5)	£180 (DF-0.5)	£180 (DF-0.5)	£180 (DF-0.5)	£180 (DF-0.5)
10 Stud 406 x 120 Commercial Axle	N/A	N/A	£1,214	£1,214	£1,214	N/A	N/A	N/A	N/A	N/A
10 Stud Commercial Axle c/w ABS Brakes	N/A	N/A	£4,620	£4,620	£4,620	£3,108 (DF-6)				
Rear Steering Axle	N/A	N/A	N/A	N/A	N/A	£3,650	£3,650	£3,650	£3,650	£3,650
Air / Oil Brakes (non ABS) c/w Load Sensing	£1,200	£1,350	£1,350 (DF-4)	£1,350 (DF-4)	£1,350 (DF-4)	£1,350 (DF-4)	£1,350 (DF-4)	£1,350 (DF-4)	£1,350 (DF-4)	£1,350 (DF-4)
Oil Load Sensing	£750	£750	£750 (DF-2)	£750 (DF-2)	£750 (DF-2)	£750 (DF-2)	£750 (DF-2)	£750 (DF-2)	£750 (DF-2)	£750 (DF-2)
Small Perspex Front Window	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)
Large Perspex Front Window	N/A	N/A	£695	£695	£695	£695	£695	£695	£695	£695
Rear Tow Hitch c/w Lights and Brakes	N/A	£425	£325 (DF-2)	£325 (DF-2)	£325 (DF-2)	£325 (DF-2)	£325 (DF-2)	£325 (DF-2)	£325 (DF-2)	£325 (DF-2)

Dealer Fit =  To see our full range of options visit www.marshall-trailers.co.uk/configure-machine

QM Monocoque Trailer Range

www.marshall-trailers.co.uk/range/silage-grain-trailers

The details make the design... Robotic Welding

The introduction of robotic welders to our production line gives the Marshall QM range a unique and unrivalled level of finish and consistency. The chassis, drawbar, ram anchors and sides are all welded robotically; taking the quality far beyond what a man can achieve. This production and design method will continue to be integrated into our ranges throughout the coming year.



We're not afraid but the competition should be! Ask our competitors the questions below, compare our specifications, compare our prices and see why Marshalls is the right choice.

	Model	Marshall	Competitor
1	How thick is the floor?	QM/6	5mm
		QM/8	5mm
		QM/11	5mm
		QM/12	5mm
		QM/1200	5mm
		QM/14	5mm
		QM/1400	5mm
		QM/16	5mm
		QM/1600	5mm
		QM/1800	5mm
2	How thick are the sides?	QM/6	3.5mm
		QM/8	3.5mm
		QM/11	3.5mm
		QM/12	4mm
		QM/1200	4mm
		QM/14	4mm
		QM/1400	4mm
		QM/16	4mm
		QM/1600	4mm
		QM/1800	4mm
3	What is the trailer's cubic capacity?	QM/6	Basic - 10.2 cu. mtrs Silage (Hyd Door Attachments) - 17.2 cu. mtrs Silage (Swinging Door) - 20.4 cu. mtrs
		QM/8	Basic - 11.9 cu. mtrs Silage (Hyd Door Attachments) - 20.1 cu. mtrs Silage (Swinging Door) - 23.8 cu. mtrs
		QM/11	Basic - 14.5 cu. mtrs Silage (Hyd Door Attachments) - 24.5 cu. mtrs Silage (Swinging Door) - 29 cu. mtrs
		QM/12	Basic - 16.3 cu. mtrs Silage (Hyd Door Attachments) - 27.5 cu. mtrs Silage (Swinging Door) - 32.6 cu. mtrs
		QM/1200	Basic - 16.9 cu. mtrs Silage (Hyd Door Attachments) - 28.7 cu. mtrs
		QM/14	Basic - 19 cu. mtrs Silage (Hyd Door Attachments) - 32.1 cu. mtrs Silage (Swinging Door) - 38 cu. mtrs
		QM/1400	Basic - 19 cu. mtrs Silage (Hyd Door Attachments) - 32.3 cu. mtrs
		QM/16	Basic - 21.7 cu. mtrs Silage (Hyd Door Attachments) - 36.7 cu. mtrs Silage (Swinging Door) - 43.4 cu. mtrs
		QM/1600	Basic - 22.2 cu. mtrs Silage (Hyd Door Attachments) - 37.6 cu. mtrs
		QM/1800	Basic - 25.4 cu. mtrs Silage (Hyd Door Attachments) - 40.4 cu. mtrs
4	What is the trailer's axle size?	QM/6	6 stud 70mm 300 x 60 S/A
		QM/8	6 stud 70mm 300 x 60
		QM/11	8 stud 80mm 350 x 90
		QM/12	8 stud 80mm 350 x 90
		QM/1200	8 stud 80mm 350 x 90
		QM/14	10 stud 120mm 420 x 180 S Cam
		QM/1400	10 stud 120mm 420 x 180 S Cam
		QM/16	10 stud 120mm 420 x 180 S Cam
		QM/1600	10 stud 120mm 420 x 180 S Cam
		QM/1800	10 stud 120mm 420 x 180 S Cam
5	What is the trailer's unladen weight?	QM/6	1680kgs
		QM/8	2260kgs
		QM/11	3740kgs
		QM/12	3960kgs
		QM/1200	3980kgs
		QM/14	4980kgs
		QM/1400	5010kgs
		QM/16	5590kgs
		QM/1600	5640kgs
		QM/1800	6100kgs
6	How many side bearers does the trailer have?	QM/6	1
		QM/8	3
		QM/11	3
		QM/12	4
		QM/1200	3
		QM/14	5
		QM/1400	4
		QM/16	5
		QM/1600	5
		QM/1800	5
7	Does the trailer have chrome rams?	QM/6	Single Black Ram
		QM/8	Twin Black Rams
		QM/11	Twin Industrial Chrome Rams
		QM/12	Twin Industrial Chrome Rams
		QM/1200	Twin Industrial Chrome Rams
		QM/14	Twin Industrial Chrome Rams
		QM/1400	Twin Industrial Chrome Rams
		QM/16	Twin Industrial Chrome Rams
		QM/1600	Twin Industrial Chrome Rams
		QM/1800	Twin Industrial Chrome Rams
8	How strong is the trailer chassis?	QM/6	7" x 3" Channel Square Chassis Design
		QM/8	8" x 3" Channel Square Chassis Design
		QM/11	10" x 3.5" Channel W/ith 8mm Reinforcing Plate - Provides unmatched strength and durability
		QM/12	10" x 3.5" Channel W/ith 8mm Reinforcing Plate - Provides unmatched strength and durability
		QM/1200	10" x 3.5" Channel W/ith 8mm Reinforcing Plate - Provides unmatched strength and durability
		QM/14	10" x 3.5" Channel W/ith 8mm Reinforcing Plate - Provides unmatched strength and durability
		QM/1400	10" x 3.5" Channel W/ith 8mm Reinforcing Plate - Provides unmatched strength and durability
		QM/16	10" x 3.5" Channel W/ith 10mm Reinforcing Plate & Internal Lattice Work - Provides unmatched strength and durability
		QM/1600	10" x 3.5" Channel W/ith 10mm Reinforcing Plate - Provides unmatched strength and durability
		QM/1800	10" x 3.5" Channel W/ith 10mm Reinforcing Plate & Internal Lattice Work - Provides unmatched strength and durability
9	What size are the trailer's tipping points?	QM/6	M24 x 180 High Tensile Bolt
		QM/8	M24 x 180 High Tensile Bolt
		QM/11	50mm Solid Steel Bar - Complete With Bushes & Grease Points
		QM/12	50mm Solid Steel Bar - Complete With Bushes & Grease Points
		QM/1200	50mm Solid Steel Bar - Complete With Bushes & Grease Points
		QM/14	50mm Solid Steel Bar - Complete With Bushes & Grease Points
		QM/1400	50mm Solid Steel Bar - Complete With Bushes & Grease Points
		QM/16	50mm Solid Steel Bar - Complete With Bushes & Grease Points
		QM/1600	50mm Solid Steel Bar - Complete With Bushes & Grease Points
		QM/1800	50mm Solid Steel Bar - Complete With Bushes & Grease Points
10	What paint finish does the trailer have?	QM/6	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss
		QM/8	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss
		QM/11	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss
		QM/12	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss
		QM/1200	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss
		QM/14	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss
		QM/1400	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss
		QM/16	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss
		QM/1600	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss
		QM/1800	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss
	Final Score:		
	Price:		



The details make the design...

New Design Hydraulic Door Arms

The QM range hydraulic door arms are formed from pressed steel plates to create a sleek and strong design. In addition the arms are now 150mm longer to provide increased clearance when discharging the load, this is particularly useful when tipping silage or maize.

QM Monocoque Trailer Range



HD Hybrid Dumper Trailer Range



Model Shown:
HD/6 - 15 - 55 x 17 Wheels & Hydraulic Door



Model Shown: HD/14 - Front

The dumper designed for every job.

The HD hybrid dumper trailer range has been designed to handle a wide variety of different tasks; from shifting muck on a farm to the toughest construction work.

Rubble & Stone – the floor on the HD/6 model is 6mm thick, with the rest of the range benefiting from an 8mm rock floor. The HD/6 and HD/8 models have 5mm sides, with larger models being fitted with 6mm sides. The pressed design of the body further adds to the overall strength and rigidity; ensuring each model can handle rubble, stone or any other heavy material. In addition each model has been designed with a very generous cubic capacity to ensure that the stated loads can actually be carried. Finally the entire HD range benefits from the option of a hydraulic door to compliment the standard scow-end and increase carrying capacity. The hydraulic door option can also be “dealer fitted” to every model, allowing the trailers to be upgraded in the future.

Muck – the large cubic capacities and robust build makes the hybrid dumper range ideal for carrying muck. The elevated rear tipping points and high tipping angle allows the load to be heaped up when discharged. The tipping mechanism is also very robust; with the HD/12 model upwards utilising chrome rams to prevent corrosion and premature seal failures. In addition the tipping points on larger models are formed by 50mm steel pins complete with devlon bushes and grease points.

HD Hybrid Dumper Trailer Range

www.marshall-trailers.co.uk/range/dumper-trailers

The details make the design...

Stone Guard

The HD range comes with a standard stone guard at the front to help protect the tractor operator and the tractor itself from debris. It is formed by our CNC machines and is bolt-on allowing it to be replaced if it is damaged or completely removed for better visibility.





Stable suspension and robust running gear.

Suspension – our tandem axle models all come as standard with split-oscillating suspension, which eliminates lateral movement. This combined with a wide chassis and wide spaced rams ensures maximum stability when tipping.

Axles & Brakes – the standard axles and hydraulic brakes on all models exceed the current legislation on braking efficiency. The HD/16 model also has 10 stud 406 x 120 commercial axles as standard, and the HD/12 and HD/14 can also be upgraded to this axle size for increased braking efficiency. Air brakes with manual load sensing are available as an option.

Tyres – the standard tyres on the HD/6 and HD/8 models are 12.5 x 15 flotation tyres, which can be upgraded to 340-65 x 18 radial tyres for road work. The larger models in the range, the HD/12 upwards, are equipped with 400/60 x 22.5 radial tyres, ideal for road work. These can be swapped for flotation tyres as an optional extra.



Dealer Fit Hydraulic Door & Elevated Tipping Points



Model Shown: HD/14 - Rear



The details make the design...

Lighting Arrangement

Every model in the HD range has lights as standard and uses the sealed wiring system fitted to all Marshall products, preventing water damage and allowing the light units to be easily replaced if damaged. In addition the lights are recessed into the back rails and guarded to make them as safe as possible.

HD Hybrid Dumper Trailer Range

www.marshall-trailers.co.uk/range/dumper-trailers

HD Hybrid Dumper Trailer Range

Prices, Specification and Options

	HD/6	HD/8	HD/12	HD/14	HD/16
Price	£5,485	£8,886	£10,820	£11,320	£13,034
Body Size	11' 6" x 6' 6" x 1' 9"	14' x 7' x 1' 9"	16' x 7' 9" x 2'	16' x 7' 9" x 2' 6"	16' x 7' 9" x 3'
Standard Tyre Size	12.5 x 15 - 14 ply	12.5 x 15 - 14 ply	400 - 60R x 22.5	400 - 60R x 22.5	400 - 60R x 22.5
Axle	70mm 6 stud	70mm 6 stud Tandem	80mm 8 stud Tandem	80mm 8 stud Tandem	90mm 10 stud Tandem
Brake	300 x 60	300 x 60	350 x 90	350 x 90	406 x 120 S Cam
Carrying Capacity	6 tons	8 tons	12 tons	14 tons	16 tons
Floor Thickness (Rock)	6mm	8mm	8mm	8mm	8mm
Side Thickness	5mm	5mm	6mm	6mm	6mm
Lights and Hyd Brakes	Standard	Standard	Standard	Standard	Standard
Volume Basic	131 cu. ft / 3.7 cu. mtrs	171 cu. ft / 4.8 cu. mtrs	247 cu. ft / 7 cu. mtrs	307 cu. ft / 8.7 cu. mtrs	370 cu. ft / 10.5 cu. mtrs
Basic Trailer Weight	1660 kgs	2475 kgs	3960 kgs	4240 kgs	4680 kgs
Loading Height	60"	62"	71"	77"	83"
Tip Angle (Degrees)	55°	60°	60°	60°	60°
OPTIONAL EQUIPMENT					
15-55 x 17	£340 (DF-0.5)	£680 (DF-1)	N/A	N/A	N/A
340 x 65 x 18 Radial	£670 (DF-0.5)	£1,340 (DF-1)	N/A	N/A	N/A
NEW 400-60 x 22.5	N/A	N/A	£788 (DF-1)	£788 (DF-1)	N/A
Spring Drawbar	N/A	£782	Standard	Standard	Standard
Hydraulic Tail Door	£983	£983	£983	£983	£983
Hyd Door Safety Valve	£160	£160 (DF-1.5)	£160 (DF-1.5)	£160 (DF-1.5)	£160 (DF-1.5)
Trailer Cover (640g PVC)	£170 (DF-1)	£180 (DF-1)	£240 (DF-1)	£240 (DF-1)	£240 (DF-1)
LED Beacon	£135 (DF-1)	£135 (DF-1)	£135 (DF-1)	£135 (DF-1)	£135 (DF-1)
LED Tail Lights	£150 (DF-0.5)	£150 (DF-0.5)	£180 (DF-0.5)	£180 (DF-0.5)	£180 (DF-0.5)
10 Stud Commercial Axle 406 x 120	N/A	N/A	£1,214	£1,214	Standard
10 Stud Commercial Axle c/w ABS Brakes	N/A	N/A	£4,620	£4,620	£3,108 (DF-6)
Air / Oil Brakes c/w Manual Load Sensing	£1,200	£1,350 (DF-4)	£1,350 (DF-4)	£1,350 (DF-4)	£1,350 (DF-4)
Rear Tow Hitch c/w Lights and Brakes	N/A	£425	£325 (DF-2)	£325 (DF-2)	£325 (DF-2)

Dealer Fit =  To see our full range of options visit www.marshall-trailers.co.uk/configure-machine



Model Shown: HD/6 - Rear

HD Hybrid Dumper Trailer Range

www.marshall-trailers.co.uk/range/dumper-trailers

The details make the design...

The Correct Capacity & Dimensions

The models in the HD range have been designed to be able to hold and carry the stated loads, unlike many of the other offerings on the market that have extremely small cubic capacities for the rated tonnages. Examine and compare the cubic capacities to see the difference!



HD Hybrid Dumper Trailer Range



Reasons to Choose Marshalls

We're not afraid but the competition should be! Ask our competitors the questions below, compare our specifications, compare our prices and see why Marshalls is the right choice.

	Model	Marshall	Competitor	
1	How thick is the floor?	HD/6	6mm	
		HD/8	8mm	
		HD/12	8mm	
		HD/14	8mm	
		HD/16	8mm	
2	How thick are the sides?	HD/6	5mm	
		HD/8	5mm	
		HD/12	6mm	
		HD/14	6mm	
		HD/16	6mm	
3	How strong is the trailer chassis?	HD/6	7" x 3" Channel Tapered Chassis Design	
		HD/8	8" x 3" Channel Square Chassis Design	
		HD/12	10" x 3.5" Channel With 8mm Reinforcing Plate - Provides unmatched strength and durability	
		HD/14	10" x 3.5" Channel With 8mm Reinforcing Plate - Provides unmatched strength and durability	
		HD/16	10" x 3.5" Channel With 8mm Reinforcing Plate - Provides unmatched strength and durability	
4	What is the trailer's unladen weight?	HD/6	1660kgs	
		HD/8	2475kgs	
		HD/12	3960kgs	
		HD/14	4240kgs	
		HD/16	4680kgs	
5	What is the trailer's axle size?	HD/6	6 stud 70mm 300 x 60 S/A	
		HD/8	6 stud 70mm 300 x 60	
		HD/12	8 stud 80mm 350 x 90	
		HD/14	8 stud 80mm 350 x 90	
		HD/16	10 stud 90mm 406 x 120 Commercial	
6	What size are the trailer's tipping points?	HD/6	M24 x 180 High Tensile Bolt	
		HD/8	M24 x 180 High Tensile Bolt	
		HD/12	Elevated 50mm Solid Steel Bar - Complete With Devlon Bushes & Grease Point	
		HD/14	Elevated 50mm Solid Steel Bar - Complete With Devlon Bushes & Grease Point	
		HD/16	Elevated 50mm Solid Steel Bar - Complete With Devlon Bushes & Grease Point	
7	Does the trailer have chrome rams?	HD/6	Single Black Ram	
		HD/8	Twin Black Rams	
		HD/12	Twin Industrial Chrome Rams	
		HD/14	Twin Industrial Chrome Rams	
		HD/16	Twin Industrial Chrome Rams	
8	Is a spring drawbar standard?	HD/6	No	
		HD/8	Optional	
		HD/12	Yes	
		HD/14	Yes	
		HD/16	Yes	
9	What is the trailer's cubic capacity?	HD/6	131 cu. ft / 3.7 cu. mtrs	
		HD/8	171 cu. ft / 4.8 cu. mtrs	
		HD/12	247 cu. ft / 7 cu. mtrs	
		HD/14	307 cu. ft / 8.7 cu. mtrs	
		HD/16	370 cu. ft / 10.5 cu. mtrs	
10	Does the trailer have split-oscillating suspension?	HD/6	No	
		HD/8	Yes - provides unmatched lateral stability when tipping	
		HD/12	Yes - provides unmatched lateral stability when tipping	
		HD/14	Yes - provides unmatched lateral stability when tipping	
		HD/16	Yes - provides unmatched lateral stability when tipping	
	Final Score:			
	Price:			



The details make the design...

Flexible Design

This range is called the Hybrid Dumper range because it can be used for a huge variety of different jobs from rubble and stone to muck. The heavy duty build allows them to be used for the toughest jobs, while the large cubic capacities means they are also useful for moving other materials.

HD Hybrid Dumper Trailer Range

www.marshall-trailers.co.uk/range/dumper-trailers



BC Pallet/Bale Trailer Range



Model Shown: BC/25 - 10 Ton



Model Shown: BC/28 - 14 Ton

Strong as standard.

The basic construction methods and materials used in our BC range ensures that every model conforms to the heavy-duty build standard of all Marshall products.

Chassis Design – every model benefits from heavy-duty channels to form a square chassis design that improves rigidity and reduces flexing during loading.

Bed Design – the entire range has a no-cost option of 30mm treated pine floors or non-slip chequered plate steel floors. The side runners and floor bearers are constructed from box-section to improve strength and remove any places where water could sit.

21" Fixed Headboard – standard on all models, except our BC/18, this also dramatically increases the rigidity of the trailer.

BC Pallet/Bale Trailer Range

www.marshall-trailers.co.uk/range/flat-bale-trailers

The details make the design...

Lighting Arrangement

The entire BC range has the light units recessed into the back rail of the trailer to enhance the protection. The light units are held in galvanized brackets, which can be unbolted to allow the lights to be easily accessed and maintained.





The finishing touches.

It is the small details of the Marshall BC range that set it apart from the competition, with numerous features that make our trailers simple to use and most importantly, extremely practical.

Harvest Ladders – standard front and rear ladders on all models, with a galvanized finish to provide effective protection. The rear ladders on all models are available in straight or angled versions as a no-cost option.

Rope Hooks – every model has heavy duty 5/8" rope hooks along each side and at both the front and the back for efficient and safe strapping down of loads.

Commercial Grade Light Units – every model has sealed commercial quality light units that are recessed into the back rail of the trailer to improve protection. LED front marker lights are also a standard feature on all models.

Rear Crash Barrier – standard on all models the crash barrier is formed from box section and can be folded away or removed if preferable.

Rear Toolbox – this simple toolbox is recessed into the back rail of our trailers to ensure it is protected.



Model Shown: BC/18



Recessed Lights, Rear Crash Barrier and Toolbox



5/8" Diameter Rope Hooks

The details make the design...

Adjustable Spring Drawbar

The spring drawbar design used across our trailer ranges is extremely simple, with a mono-leaf spring across the front of the drawbar to provide a smooth ride. The other benefit of this design is that in the event of the spring breaking the trailer can still be used; unlike some spring drawbar designs that rely on the spring to form part of the main drawbar. In addition all spring drawbars are adjustable to ensure the trailer is level when used on different tractors. The BC/28 and BC/32 have a spring drawbar as standard, which is also available as an option on other models.

BC Pallet/Bale Trailer Range

www.marshall-trailers.co.uk/range/flat-bale-trailers



340 - 65 x 18 "Miniature Super-singles"



560 - 45 x 22.5 Radial Floatations

Suspension, axles, brakes and tyres matched to the model.

We recognise that the correct suspension, axles, brakes and tyres are vital aspects of any new trailer. Accordingly our standard setup exceeds current legislation, and there are a huge range of optional upgrades available.

Suspension – the normal suspension offered on our bale trailer range is our split-oscillating suspension, which reduces lateral movement and improves stability of high loads. Spring suspension, if preferred, is also available for high-speed road work as a no-cost option.

Axles & Brakes – the standard axles on all our models are more than adequate for most jobs. However commercial 10 stud axles can be specified to provide high-speed performance and enhanced braking.

Tyres – it is possible to upgrade the tyres of our entire BC range to better handle different jobs. Tyres available include miniature super singles, low and wide 445-45 x 19.5 tyres to reduce the bed height and a variety of floatation tyres. Study the specification chart on page 26 to see the available tyre options for each model. Further information on tyre performance is available on page 44.

BC Pallet/Bale Trailer Range

www.marshall-trailers.co.uk/range/flat-bale-trailers

The details make the design...

Drawbar Anchor

When a spring drawbar is specified on our BC range, or any other trailer range, the drawbar anchor is constructed from channels combined with a securing bracket pressed from 25mm steel plate. Pressing this plate ensures the anchor is incredibly strong and is a production technique very few can match. Finally the anchor is also welded using robotic welders programmed to apply a heavy weld for maximum durability.





More than just a bale trailer.

With a number of options, our BC range can be used for more than simply moving bales or boxes.

Timber Floor – this traditional no-cost option can easily be repaired if damaged and can be renewed to a new condition when worn out. This choice of bed is also better when moving steel tracked machines.

Ramps – optional ramp bars can be fitted to the rear back rail of the trailer; and aluminium ramps can be supplied as an option. This set-up allows machines to be loaded and transported without the need for a dedicated low-loader trailer while still leaving the long, low flat floor that is required for a bale trailer. Ask yourself how often do you need to move machines and how often you need a bale trailer; you will find this option provides excellent value for both jobs.

Side Panels – another useful option that improves the versatility of a standard bale trailer. The sides fold down to allow for easy loading and can be removed to allow bales to be transported.

Side Posts – these posts are perfect for transporting pipes or other similar types of loads. The posts can be fixed or removable, the choice is yours.



Model Shown: BC/21 - Timber



Model Shown: BC/25 - 10 ton - Side Panels

The details make the design...

Integrated Rope Hooks

The BC range has been cleverly designed to integrate the front and rear rope hooks into the headboard and back rail of each model. The rope hooks are located into the panels and welded from behind; this ensures the weld is hidden and gives every model a better and more consistent finish.

BC Pallet/Bale Trailer Range

www.marshall-trailers.co.uk/range/flat-bale-trailers

BC Bale/Pallet Trailer Range

Prices, Specification and Options

	BC/18	BC/21	BC/25 -10 ton	BC/25 - 12 ton	BC/28	BC/32
Price	£4,610	£5,945	£6,390	£8,100	£9,265	£10,400
Body Size	18' x 7' 6" / 5.48m x 2.28m	21' x 8' / 6.40m x 2.43m	25' x 8' / 7.62m x 2.43m	25' x 8' / 7.62m x 2.43m	28' x 8' / 8.53m x 2.43m	32' x 8' / 9.75m x 2.43m
Standard Tyre Size	12.5 x 15 - 14 ply	11.5 x 15 - 10 ply	12.5 x 15 - 14 ply	400 - 60R x 22.5	400 - 60R x 22.5	400 - 60R x 22.5
Axle	70mm 6 stud Single Axle	70mm 6 stud Tandem	70mm 6 stud Tandem	80mm 8 stud Tandem	80mm 8 stud Tandem	80mm 8 stud Tandem
Brakes	300 x 60	300 x 60	300 x 60	350 x 90	350 x 90	350 x 90
Carrying Capacity	5 tons	8 tons	10 tons	12 tons	14 tons	14 tons
Floor Thickness (Steel) Durabar	3mm	4mm	4mm	4mm	4mm	4mm
Lights and Hyd Brakes	Standard	Standard	Standard	Standard	Standard	Standard
Headboard	£185 (DF-0.25)	Standard - 21"				
Harvest Ladders - Galvanized	Front and Rear Standard	Front and Rear Standard	Front and Rear Standard	Front and Rear Standard	Front and Rear Standard	Front and Rear Standard
Unladen Weight	1370 kgs	1800 kgs	2100 kgs	2330 kgs	2860 kgs	2910 kgs
Loading Height	36"	38"	39"	47"	47"	47"
Chassis Members	180mm PFC	200mm PFC	200mm PFC	UPN 260mm	UPN 260mm	UPN 300mm
OPTIONAL EQUIPMENT						
12.5 x 15	Standard	£184 (DF-1)	Standard	N/A	N/A	N/A
15-55 x 17	£340 (DF-0.5)	£680 (DF-1)	£680 (DF-1)	N/A	N/A	N/A
340 x 65 x 18 Radial	£670 (DF-0.5)	£1,440 (DF-1)	£1,340 (DF-1)	N/A	N/A	N/A
400-60R x 22.5	N/A	£2,155	N/A	Standard	Standard	Standard
355-50 x 22.5 (Lowers bed height by 150mm)	N/A	N/A	N/A	£640	£640	£640
445-45 x 19.5 (Lowers bed height by 150mm)	N/A	N/A	N/A	£1,160	£1,160	£1,160
NEW 400-60 x 22.5	N/A	N/A	N/A	£788 (DF-1)	£788 (DF-1)	£788 (DF-1)
550-45 x 22.5	N/A	N/A	N/A	£1,640	£1,640	£1,640
560-45 x 22.5	N/A	N/A	N/A	£2,280	£2,280	£2,280
Spring Drawbar	N/A	£782	£782	£782	Standard	Standard
Tri-Axle Running Gear (8 Stud/Springs Only)	N/A	N/A	N/A	£3,200	£3,200	£3,200
LED Beacon	£135 (DF-0.25)	£135 (DF-0.25)	£135 (DF-0.25)	£135 (DF-0.25)	£135 (DF-0.25)	£135 (DF-0.25)
Rear Toolbox	£105 (DF-1)	£105 (DF-1)	£105 (DF-1)	£105 (DF-1)	£105 (DF-1)	£105 (DF-1)
Extra Harvest Ladder	£173 (DF-0.25)	£173 (DF-0.25)	£173 (DF-0.25)	£173 (DF-0.25)	£173 (DF-0.25)	£173 (DF-0.25)
LED Tail Light	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)
10 Stud Commercial Axle 406 x 120	N/A	N/A	N/A	£1,214	£1,214	£1,214
10 Stud Commercial Axle c/w ABS Brakes	N/A	N/A	N/A	£4,620	£4,620	£4,620
Air / Oil Brakes c/w Load Sensing	£1,200	£1,350 (DF-4)				
Oil Load Sensing	£750	£750 (DF-2)				
Rear Box Pusher	N/A	£425 (DF-2.5)				
Hydraulic Side Walkway (per side)	N/A	£975 (DF-5)				
18" Side Posts	£275	£275	£325	£325	£375	£375
Rear Tow Hitch c/w Lights and Brakes	N/A	£425	£425	£425	£425	£425
Rear Ramps (Aluminium, 3m, 7.4 ton)	£1,350 (DF-0.25)	£1,350 (DF-0.25)	£1,350 (DF-0.25)	£1,350 (DF-0.25)	£1,350 (DF-0.25)	£1,350 (DF-0.25)

Dealer Fit =  To see our full range of options visit www.marshall-trailers.co.uk/configure-machine



Model Shown: BC/32 - 560-45 x 22.5 Wheels

BC Pallet/Bale Trailer Range

www.marshall-trailers.co.uk/range/flat-bale-trailers

The details make the design...

Built to Fit

One of the many clever things about the Marshall BC range design is that when low profile wheels are specified the build of the trailer is adjusted to take full advantage of the wheels; many competitors simply replace standard wheels with the low profile option without adjusting the suspension. This is achieved on the Marshall BC range by producing all sub-frames on our CNC press brakes and plasma cutters; ensuring that the suspension is accurately set for the specified wheel option.



BC Bale/Pallet Trailer Range



Reasons to Choose Marshalls

We're not afraid but the competition should be! Ask our competitors the questions below, compare our specifications, compare our prices and see why Marshalls is the right choice.

	Model	Marshall	Competitor
1 Does the trailer have a chequered plate floor as standard?	BC/18	Yes - 3mm Thickness; 30mm Treated Pine-no-cost option	
	BC/21	Yes - 4mm Thickness; 30mm Treated Pine-no-cost option	
	BC/25 - 10 ton	Yes - 4mm Thickness; 30mm Treated Pine-no-cost option	
	BC/25 - 12 ton	Yes - 4mm Thickness; 30mm Treated Pine-no-cost option	
	BC/28	Yes - 4mm Thickness; 30mm Treated Pine-no-cost option	
	BC/32	Yes - 4mm Thickness; 30mm Treated Pine-no-cost option	
2 Does the trailer have a fixed headboard as standard?	BC/18	No	
	BC/21	Yes - 21" Fixed Rigid Headboard	
	BC/25 - 10 ton	Yes - 21" Fixed Rigid Headboard	
	BC/25 - 12 ton	Yes - 21" Fixed Rigid Headboard	
	BC/28	Yes - 21" Fixed Rigid Headboard	
	BC/32	Yes - 21" Fixed Rigid Headboard	
3 Does the trailer have box section bearers and runners?	BC/18	Yes	
	BC/21	Yes	
	BC/25 - 10 ton	Yes	
	BC/25 - 12 ton	Yes	
	BC/28	Yes	
	BC/32	Yes	
4 Does the trailer have harvest ladders as standard?	BC/18	Yes - Front and Rear Galvanized	
	BC/21	Yes - Front and Rear Galvanized	
	BC/25 - 10 ton	Yes - Front and Rear Galvanized	
	BC/25 - 12 ton	Yes - Front and Rear Galvanized	
	BC/28	Yes - Front and Rear Galvanized	
	BC/32	Yes - Front and Rear Galvanized	
5 Does the trailer have a square chassis design?	BC/18	Yes - 180mm PFC	
	BC/21	Yes - 200mm PFC	
	BC/25 - 10 ton	Yes - 200mm PFC	
	BC/25 - 12 ton	Yes - UPN 260mm	
	BC/28	Yes - UPN 260mm	
	BC/32	Yes - UPN 300mm	
6 Does the trailer have split-oscillating suspension?	BC/18	No	
	BC/21	Standard - Springs No-cost Option	
	BC/25 - 10 ton	Standard - Springs No-cost Option	
	BC/25 - 12 ton	Standard - Springs No-cost Option	
	BC/28	Standard - Springs No-cost Option	
	BC/32	Standard - Springs No-cost Option	
7 What size of axle does the trailer have?	BC/18	6 stud 70mm 300 x 60 S/A	
	BC/21	6 stud 70mm 300 x 60	
	BC/25 - 10 ton	6 stud 70mm 300 x 60	
	BC/25 - 12 ton	8 stud 80mm 350 x 90	
	BC/28	8 stud 80mm 350 x 90	
	BC/32	8 stud 80mm 350 x 90	
8 What is the trailer's unladen weight?	BC/18	1370 kgs	
	BC/21	1800 kgs	
	BC/25 - 10 ton	2100 kgs	
	BC/25 - 12 ton	2330 kgs	
	BC/28	2860 kgs	
	BC/32	2910 kgs	
9 Does the trailer have hydraulic brakes and lights as standard?	BC/18	Yes	
	BC/21	Yes	
	BC/25 - 10 ton	Yes	
	BC/25 - 12 ton	Yes	
	BC/28	Yes	
	BC/32	Yes	
10 Does the trailer have a spring drawbar as standard?	BC/18	No	
	BC/21	Optional	
	BC/25 - 10 ton	Optional	
	BC/25 - 12 ton	Optional	
	BC/28	Yes	
	BC/32	Yes	
	Final Score:		
	Price:		



The details make the design...

Headboard Design

In addition to the strength and rigidity benefits our headboard has been intelligently designed as a one piece construction to provide a better finish. The headboard also incorporates the front wire securing points to ensure the wiring loom is always kept tidy.

BC Pallet/Bale Trailer Range



MS Muck Spreader Range



Model Shown: MS/75



Model Shown: MS/60 - Galvanized



Recessed
Lights

The strength and design to last.

Our legendary MS range has been developed over thirty years of producing muck spreaders; with a number of unique design features and durable construction the MS range continues to be the industry leading spreader.

Barrel Design – the barrels on all models are fully welded and are either 4mm thick on our MS/45, MS/60 and MS/75 models or 4.5mm thick on our larger models. The ends on all models are also heavy-duty with 6mm thick ends to provide an excellent service life.

Chassis Design – an integral chassis design has been part of the Marshall spreader for over thirty years. It removes any stress on the barrel of the spreader to prevent premature fatigue or cracking.

Lid Design – every model in the range benefits from a stainless steel lid ram to eliminate corrosion. Our lids open to 89°, allowing easy loading and reducing the possibility of damage.

Brakes & Lights – brakes and lights come as standard on all models, except our MS/45. This ensures all our spreaders comply with both highway and health & safety regulations.

MS Muck Spreader Range

www.marshall-trailers.co.uk/range/muck-spreaders

The details make the design...

Robot Welded Chains

The use of our robotic welders to finish our flail chains provides improved durability and a longer lifespan; simply using a roll pin or bolt to secure the head is not up to the build standards we work to.





The ultimate spread.

The entire MS range is designed around providing the most efficient and effective discharge of material on a consistent basis. Accordingly the entire spreading mechanics of every model has been tried, tested and engineered to achieve this.

Sprockets – all sprockets are machined steel, not cast, and located by a 10 pitch spline to maximize service life. In addition the gearing of the sprockets on all of our spreaders has been selected to provide the optimum spread.

Bearings – we only use plumber block bearings, which allows all our bearings to be placed away from corrosive slurry to limit potential damage.

Rotor Shaft – every model benefits from a round perfectly balanced rotor shaft with chains mounted on four sides, any engineer would agree a round shaft is easier to balance. Heavy-duty starter flails allow the spreader to easily start and quickly achieve the optimum spreading speed.

Chains – the chains on every model are case hardened to greatly reduce wear and the heads are welded on, not just held on with a pin or bolt. Large 3" x 2.5" heads and a substantial number of flail chains ensure a fast, efficient spread rate.



Model Shown: MS/90



Flail Chains



Drive Chain

The details make the design...

Securing Points

Every spreader incorporates chain securing points into the design to prevent damage during transport and ensure your Marshall machine arrives as it was when it left the factory.

MS Muck Spreader Range

www.marshall-trailers.co.uk/range/muck-spreaders

MS Muck Spreader Range

Prices, Specification and Options

	MS/45	MS/60	MS/75	MS/90	MS/105
Price	£4,162	£5,096	£6,034	£6,963	£8,154
Standard Tyre Size	10.0 x 15 - 10 ply	12.5 x 15 - 14 ply	385 - 65 x 22.5	385 - 65 x 22.5	NEW 400 - 60 x 22.5
Axle	60mm 6 stud	70mm 6 stud	70mm 6 stud	70mm 6 stud	80mm 8 stud
Brakes	N/A	300 x 60	300 x 60	300 x 60	350 x 90
Volume Capacity	4.5 cu. yds / 3.4 cu. mtrs / 750 gal	6 cu. yds / 4.6 cu. mtrs / 1000 gal	7.5 cu. yds / 5.7 cu. mtrs / 1250 gal	9 cu. yds / 6.9 cu. mtrs / 1500 gal	10.5 cu. yds / 8 cu. mtrs / 1750 gal
Hydraulic Brakes	£235 (DF-2)	Standard	Standard	Standard	Standard
Hydraulic Lid	Standard	Standard	Standard	Standard	Standard
Drum Thickness	4mm	4mm	4mm	4.5mm	4.5mm
Ends	6mm	6mm	6mm	6mm	6mm
Case Hardened Chain Flails	1/2" / 13mm	1/2" / 13mm	1/2" / 13mm	9/16" / 14mm	9/16" / 14mm
Flail Chain - Quantity	22	28	28	34	40
HP Requirements	30	55	65	85	95
End Height	70"	73"	81"	82"	82"
Loading Height	49"	51"	58"	59"	59"
Body Dimension	8' x 54"	10' x 54"	10' x 57"	12' x 60"	14' x 60"
Lights	£151 (DF-2)	Standard	Standard	Standard	Standard
OPTIONAL EQUIPMENT					
Galvanized Finish	£1,400	£1,400	£1,500	£1,500	£1,500
Slurry Bib 8 inch Deep - Galvanized	£185 (DF-0.5)	£185 (DF-0.5)	£185 (DF-0.5)	£185 (DF-0.5)	£185 (DF-0.5)
11.5 x 15	£68 (DF-0.5)	N/A	N/A	N/A	N/A
12.5 x 15	£160 (DF-0.5)	N/A	N/A	N/A	N/A
REMOULD 400 - 60R x 22.5	N/A	£326 (DF-0.5)	£276 (DF-0.5)	£276 (DF-0.5)	N/A
550 - 60 x 22.5	N/A	N/A	£1,000 (DF-2)	£1,000 (DF-2)	£778 (DF-1)
Jack Screw in lieu of Skid	£95 (DF-0.5)	£95 (DF-0.5)	£95 (DF-0.5)	£95 (DF-0.5)	N/A
Feeder Unit	£1,250	£1,250	£1,250	£1,350	£1,350
LED Tail Lights	£301 (DF-1)	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)

Dealer Fit =  To see our full range of options visit www.marshall-trailers.co.uk/configure-machine



Model Shown:
MS/105

MS Muck Spreader Range

www.marshall-trailers.co.uk/range/muck-spreaders

The details make the design...

Front & Rear Drain Points

These simple design features stop water sitting in the spreader and causing premature rusting. The rear drain point is also designed to allow debris to escape from the drum when washing the spreader.



MS Muck Spreader Range



Reasons to Choose Marshalls

We're not afraid but the competition should be! Ask our competitors the questions below, compare our specifications, compare our prices and see why Marshalls is the right choice.

	Model	Marshall	Competitor	
1	What is the capacity of the spreader?	MS/45	4.5 cu. yds / 3.4 cu. mtrs / 750 gallons	
		MS/60	6 cu. yds / 4.6 cu. mtrs / 1000 gallons	
		MS/75	7.5 cu. yds / 5.7 cu. mtrs / 1250 gallons	
		MS/90	9 cu. yds / 6.9 cu. mtrs / 1500 gallons	
		MS/105	10.5 cu. yds / 8 cu. mtrs / 1750 gallons	
2	Are the chain heads fully welded?	MS/45	Yes - 3" x 2.5" Steel Heads	
		MS/60	Yes - 3" x 2.5" Steel Heads	
		MS/75	Yes - 3" x 2.5" Steel Heads	
		MS/90	Yes - 3" x 2.5" Steel Heads	
		MS/105	Yes - 3" x 2.5" Steel Heads	
3	What thickness is the spreader drum?	MS/45	4mm	
		MS/60	4mm	
		MS/75	4mm	
		MS/90	4.5mm	
		MS/105	4.5mm	
4	What thickness are the spreader ends?	MS/45	6mm	
		MS/60	6mm	
		MS/75	6mm	
		MS/90	6mm	
		MS/105	6mm	
5	What size are the flail chains?	MS/45	13mm Case Hardened	
		MS/60	13mm Case Hardened	
		MS/75	13mm Case Hardened	
		MS/90	14mm Case Hardened	
		MS/105	14mm Case Hardened	
6	Does the spreader have an integrated chassis?	MS/45	Yes	
		MS/60	Yes	
		MS/75	Yes	
		MS/90	Yes	
		MS/105	Yes	
7	What size of axle does the spreader have?	MS/45	6 stud 60mm 250 x 60	
		MS/60	6 stud 70mm 300 x 60	
		MS/75	6 stud 70mm 300 x 60	
		MS/90	6 stud 70mm 300 x 60	
		MS/105	8 stud 80mm 350 x 90	
8	Are lights and hydraulic brakes standard?	MS/45	Optional	
		MS/60	Standard	
		MS/75	Standard	
		MS/90	Standard	
		MS/105	Standard	
9	Does the spreader have a stainless steel lid ram?	MS/45	Standard	
		MS/60	Standard	
		MS/75	Standard	
		MS/90	Standard	
		MS/105	Standard	
10	What paint finish does the spreader have?	MS/45	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
		MS/60	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
		MS/75	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
		MS/90	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
		MS/105	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
	Final Score:			
	Price:			

The details make the design...

Folded Construction

The MS range is constructed by incorporating as many folds as possible into the design. This is achieved by using our CNC presses and results in a much better finish and fit than simply welding everything together.

MS Muck Spreader Range

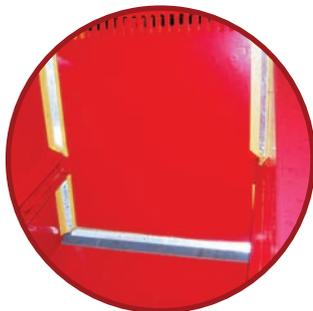
www.marshall-trailers.co.uk/range/muck-spreaders



VES Rear-Discharge Spreader Range



Model Shown:
VES/2000 - Front View



Pushing Door



Front Ram and Speed
Control Valve

No floor chains = no problems.

The Marshall VES range is the next step forward in the design of rear-discharge spreaders, eliminating the problematic floor-chain set-up and the associated maintenance requirements. This mechanism is replaced by a patented hydraulic pushing ram that is fully speed controllable and provides unmatched benefits.

Maintenance – the only regular maintenance required on our VES range is to grease the bearings via remote grease points and to check the oil level in the gearbox.

Reliability – every model utilizes a 4 stage, chrome ram that has been specifically designed and produced for our VES range for incredible reliability compared to traditional floor chains.

Compact Design – the removal of floor chains allows our VES range to have a shorter, deeper body that increases capacity and improves manoeuvrability.

Ground Clearance & Traction – the VES range also has improved ground clearance due to the removal of floor chains; 520mm minimum ground clearance on the VES/1500 model. In addition the axle on all our models can be placed further back since there is no gearbox required to drive the floor chains, this improves traction and reduces weight transfer when spreading.

Slurry Spreading – the VES range benefits from a completely sealed box, there are no gaps for the floor chains. Combined with the standard slurry door on all models means the VES range can properly hold and spread slurry.

VES Rear-Discharge Spreader Range

www.marshall-trailers.co.uk/range/rear-discharge-muck-spreaders

The details make the design...

Interlocking Floor

The floor of each VES model is designed to slot together and interlock; creating strength and rigidity while also giving a precise finish everytime.





Tremendous strength in every spreader.

The unique hydraulic ram concept of our VES range is not its only selling feature. The robust construction and heavy-duty components used in every model means the VES range is ready for the toughest challenges.

Gearbox – every model uses the same robust 160hp purpose built, one piece gearbox to prevent breakages. The gearbox is also fully protected by an armoured plate underneath the rear of the spreader.

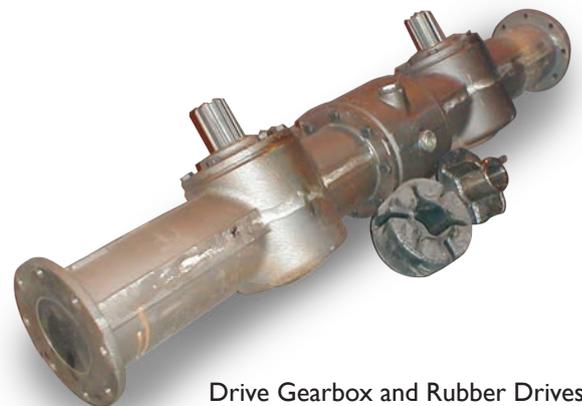
Dual Protection System – the entire range has two layers of protection to ensure the spreader is not damaged. Specially formulated polyurethane couplings are used to connect the beaters to the gearbox to reduce the impact of any shock-loads on the drive line and protect the gearbox. In addition every model is protected by a 10mm shear bolt in the PTO shaft.

Rotor & Tip Design – the VES range uses fully-balanced robot welded beaters that are constructed in-house using 12mm steel plates for maximum strength. The beater tips are also constructed from 12mm steel plates and are fully reversible to double the life-span of each tip. It is also important to note that all the tips are secured in sockets to prevent premature loss.

Excellent Residual Value – since our VES range commenced production over 10 years ago, its second-hand value has proven to hold up extremely well. This is mainly due to the ram ejection system compared to a floor chain system, which is prone to wearing over time and is always a worry on a used machine.



Rear Beater Tips



Drive Gearbox and Rubber Drives

The details make the design...

Stone Guard Design

The engineering and thought that has gone into our stone guard will surprise many people. The guard is first cut on one of our CNC plasma cutters before being pressed into shape on our CNC press brakes. The end result is an improved component that is stronger and when painted far better looking than simply welding the parts together.

VES Rear-Discharge Spreader Range

www.marshall-trailers.co.uk/range/rear-discharge-muck-spreaders

VES Rear-Discharge Spreader Range

Prices, Specification and Options

	VES/1500	VES/2000	VES/2500
Price	£17,700	£22,703	£25,000
Standard Tyre Size	18.4 x 30 - 12 ply	18.4 x 34 - 12 ply	18.4 x 34 - 12 ply
Axle	8 stud 80mm	10 stud 90mm High Speed Commercial	10 stud 90mm High Speed Commercial
Brakes	350 x 90	406 x 120 S Cam	406 x 120 S Cam
Lights	Standard	Standard	Standard
Floor Thickness	4mm	4mm	4mm
Side Thickness	4mm	4mm	4mm
Slurry Door (Removable)	Standard	Standard	Standard
Carrying Capacity	9 tons	12 tons	14 tons
Volume	1500 gal / 7500 ltr	2000 gal / 9120 ltr	2500 gal / 11400 ltr
HP Requirement	80 HP min	100 HP min	135 HP min
Body Dimensions	9' 5" x 5' x 4' 8" Deep	12' 6" x 5' x 4' 8" Deep	15' 7" x 5' x 4' 8" Deep
Loading Height	7' 2"	7' 7"	7' 7"
Unladen Weight	3400 kgs	3700 kgs	4200 kgs
Discharge Rate	5 min. max.	7 min. max.	9 min. max.
Material Feed	Hydraulic Ram	Hydraulic Ram	Hydraulic Ram
Rotor Speed	350rpm	350rpm	350rpm
Spread Width	Up to 16m	Up to 16m	Up to 16m
Standard PTO Input Speed	1000	1000	1000
Tips - Quantity	56	56	56
Overall Width - Standard Wheels	8' 10"	8' 10"	8' 10"
Overall Width - Oversized Wheels	9' 7"	9' 7"	9' 7"
Beater Protection Shear Bolt	10mm Standard	10mm Standard	10mm Standard
Main Ram Oil Volume Maximum	15 litres	20 litres	37 litres
OPTIONAL EQUIPMENT			
23.1 x 26 - 14 ply Tyres	£950 (DF-1)	£950 (DF-1)	£950 (DF-1)
Wide Angle Shaft	£440 (DF-0.25)	£440 (DF-0.25)	£440 (DF-0.25)
Hydraulic Light Covers	£275	£275	£275
LED Tail Lights	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)
LED Beacon	£135 (DF-0.25)	£135 (DF-0.25)	£135 (DF-0.25)
Air Brakes	£1,200	£1,200	£1,200

Dealer Fit =  To see our full range of options visit www.marshall-trailers.co.uk/configure-machine

Note - When 23.1 x 26 wheels are fitted the overall wheel track will be 9' 7"

U.K. & Ireland Patent Numbers - GB2372932 & GB2399267B

Model Shown:
VES/1500 - Rear View



Model Shown:
VES/1500 - Front View



VES Rear-Discharge Spreader Range

www.marshall-trailers.co.uk/range/rear-discharge-muck-spreaders

The details make the design... Lighting Arrangement

The VES range uses a sealed lighting system, which has a wiring loom that plugs into the light units making damaged units quick to replace. In addition the brackets for the light units are all galvanized and have galvanized light covers for protection.



VES Rear-Discharge Spreader Range

10 Reasons to Choose Marshalls

We're not afraid but the competition should be! Ask our competitors the questions below, compare our specifications, compare our prices and see why Marshalls is the right choice.

		Model	Marshall	Competitor
1	What is the material feed system on the spreader?	VES/1500	4 Stage Industrial Chrome 20-ton Hydraulic Ram - Infinitely Speed Controlled	
		VES/2000	4 Stage Industrial Chrome 20-ton Hydraulic Ram - Infinitely Speed Controlled	
		VES/2500	4 Stage Industrial Chrome 24-ton Hydraulic Ram - Infinitely Speed Controlled	
2	What are the daily maintenance requirements?	VES/1500	Grease Driveline and Rotor Bearings; Check Gearbox Oil	
		VES/2000	Grease Driveline and Rotor Bearings; Check Gearbox Oil	
		VES/2500	Grease Driveline and Rotor Bearings; Check Gearbox Oil	
3	How are the rear beaters constructed?	VES/1500	12mm Thick Steel Plate Stepped Design; Fully Balanced	
		VES/2000	12mm Thick Steel Plate Stepped Design; Fully Balanced	
		VES/2500	12mm Thick Steel Plate Stepped Design; Fully Balanced	
4	How is the spreader protected?	VES/1500	Specially Formulated Polyurethane Drive; 10mm Shear Bolt Protection	
		VES/2000	Specially Formulated Polyurethane Drive; 10mm Shear Bolt Protection	
		VES/2500	Specially Formulated Polyurethane Drive; 10mm Shear Bolt Protection	
5	Does the spreader have a slurry door as standard?	VES/1500	Yes - Ensures Completely Sealed Box	
		VES/2000	Yes - Ensures Completely Sealed Box	
		VES/2500	Yes - Ensures Completely Sealed Box	
6	How many tips does the spreader have?	VES/1500	56 - Galvanised, Fully Reversible & Socketed with a Close Inter-meshing	
		VES/2000	56 - Galvanised, Fully Reversible & Socketed with a Close Inter-meshing	
		VES/2500	56 - Galvanised, Fully Reversible & Socketed with a Close Inter-meshing	
7	What thickness is the floor?	VES/1500	4mm	
		VES/2000	4mm	
		VES/2500	4mm	
8	What thickness are the sides?	VES/1500	4mm	
		VES/2000	4mm	
		VES/2500	4mm	
9	What size of axle does the spreader have?	VES/1500	8 stud 80mm 350 x 90	
		VES/2000	10 stud 90mm 406 x 120 S Cam Commercial	
		VES/2500	10 stud 90mm 406 x 120 S Cam Commercial	
10	What paint finish does the spreader have?	VES/1500	Shot-blasted, 80 Microns High Build Primer, 50 Microns Polyurethane Gloss	
		VES/2000	Shot-blasted, 80 Microns High Build Primer, 50 Microns Polyurethane Gloss	
		VES/2500	Shot-blasted, 80 Microns High Build Primer, 50 Microns Polyurethane Gloss	
		Final Score:		
		Price:		



The details make the design...

Slurry Door

The door uses a pressed construction for strength, rigidity and a better visual finish.

VES Rear-Discharge Spreader Range



ST Slurry Tanker Range



Model Shown: ST/2000 Tanker 750/60 x 30.5 Wheels



Model Shown: ST/1600 Gallon Tanker 550 - 60 x 22.5 Wheels

Durable by design.

The ST slurry tanker range has been developed with strength and durability as the guiding principles.

Tank Design – every model has a 6mm thick steel tank that is rolled and fully-welded by a sub-arc welder to ensure a consistent and robust finish. Inside the tank there are baffles to ensure material is transported safely and reinforcing rings to further enhance the tanks strength. It is also important to note that all our tanks hold the stated capacity; even our LGP cut in tanks are increased in size to compensate for the cut-out part.

Chassis Design – the overall rigidity of our tanker range is boosted by our integral chassis, which supports the tank to reduce fatigue and prevent premature failure.

Axles & Brakes – every model has hydraulic brakes as standard with the option to upgrade to air brakes. Our ST/2000 model upwards has 406x120 10 stud commercial axles and spring drawbars as standard to ensure safe movement on the road. Dropped axles are also standard on these larger models to lower the centre of gravity and improve stability.

Lights – lights are also standard on all models with the option to upgrade to LED lights and fit a LED beacon.

ST Slurry Tanker Range

www.marshall-trailers.co.uk/range/tankers

The details make the design...

Cable Tidy

All tankers in the ST range have a simple bolt-on bracket for storing the wiring when not in use; helping to prevent dirt and debris damaging the plug.





Easy to fill. Easy to spread.

Every model in the range has been intelligently designed for excellent everyday usability and practicality.

Pump – either an 8,000ltr or 10,000ltr Hertell pump is standard on our tankers to ensure fast filling and discharging of material. There is also an option to fit a hydraulic drive pump or Garda pump depending on the application of the tanker.

Dual Slurry Trap System – the entire range benefits from our dual protection system. The first line of protection is a specially designed double-ball set-up in the tank that stops the vacuum once it has reached a certain level. If any froth should manage to by-pass this system then there is a slurry trap in the large syphon box to catch any residue.

Valves – every model has a hand operated side valve as standard, which can also be positioned on the rear to allow for easy filling. It is also possible to specify a different position for filling valves as an option.

Gauge & Sight-glasses – all our models have a liquid filled 75mm gauge to provide accurate pressure readings and ensure safe loading of the tank. Furthermore two sight-glasses positioned at the front and rear of the tanker allow the operator to know when the tank is full.



Model Shown: ST/1400 - Mudguards



Hydraulic Pump



Garda Pump



Autoloader

The details make the design...

Couplings

The ST range benefits from every coupling being fully galvanized to reduce corrosion and extend service life.

ST Slurry Tanker Range

www.marshall-trailers.co.uk/range/tankers

ST Slurry Tanker Range

Prices, Specification and Options

	ST/1200	ST/1400	ST/1600	ST/1800	ST/2000	ST/2300	ST/2550	ST/3000
Price	£6,781	£7,425	£8,891	£9,442	£14,450	£15,341	£16,300	£16,500
Standard Tyre Size	385 - 65 x 22.5	400 - 60R x 22.5	550 - 60 x 22.5	550 - 60 x 22.5	750/60 - 30.5	750/60 - 30.5	750/60 - 30.5	400 - 60R x 22.5
Axle	70mm 6 stud	80mm 8 stud	80mm 8 stud	80mm 8 stud	90mm 10 stud High Speed Commercial Drop-axle			
Brakes	300 x 60	350 x 90	350 x 90	350 x 90	406 x 120 S Cam			
Volume	1220 gal / 5500 ltr	1400 gal / 6300 ltr	1550 gal / 7000 ltr	1800 gal / 8200 ltr	2150 gal / 9800 ltr	2340 gal / 10650 ltr	2560 gal / 11600 ltr	3000 gal / 13640 ltr
Side Valve	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Tank Thickness	6mm	6mm	6mm	6mm	6mm	6mm	6mm	6mm
Lights and Brakes	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Drum Diameter	5' 3"	5' 3"	5' 3"	5' 3"	5' 3"	6'	6'	6'
Pump - Hertell	8000 ltr	8000 ltr	8000 ltr	8000 ltr	10000 ltr	10000 ltr	10000 ltr	10000 ltr
6 inch Hose	15'	15'	15'	15'	15'	20'	20'	20'
Unladen Weight	1730 kgs	2120 kgs	2330 kgs	2540 kgs	2860 kgs	3400 kgs	3790 kgs	3950 kgs

OPTIONAL EQUIPMENT

REMOULD 400 - 60R x 22.5	£276 (DF-0.5)	Standard	N/A	N/A	N/A	N/A	N/A	Standard
550 - 60 x 22.5	£1,000 (DF-2)	£721 (DF-1)	Standard	Standard	N/A	N/A	N/A	N/A
560 - 45 x 22.5	N/A	£2,280 (DF-1)						
Spring Drawbar	£782	£782	£782	£782	Standard	Standard	Standard	Standard
Tanker Hydraulic Hatch	£720	£720	£720	£720	£720	£720	£720	£720
Tanker Manual Hatch	£450	£450	£450	£450	£450	£450	£450	£450
Full Opening Rear Door	£810	£810	£810	£810	£810	£910	£910	£910
Mud Guards	£335	£335	£335	£335	Standard	Standard	Standard	£475
10,000 ltr Pump Hertell	N/A	£340 (DF-1)	£340 (DF-1)	£340 (DF-1)	Standard	Standard	Standard	Standard
Hydraulic Pump	£700 (DF-1.5)							
Garda Pump c/w Spreader	£4,128	£4,128	£4,128	£4,128	£4,128	£4,128	£4,128	£4,128
90 degree Bend Complete	£175 (DF-0.25)							
Extra Complete Hand Operated Valve	£340 (DF-0.25)							
Wash Down Hose	£221 (DF-0.25)							
Quick Attach Coupling	£175 (DF-0.5)							
Pump Hydraulic Changeover	£170 (DF-1)							
Auto Load	£2,617	£2,617	£2,617	£2,617	£2,617	£2,617	£2,617	£2,617
Marshall Easy-Connect	£950	£950	£950	£950	£950	£950	£950	£950
Air / Oil Brakes	£1,200	£1,200	£1,200	£1,200	£1,200	£1,200	£1,200	£1,350
LED Tail Lights	£150 (DF-0.5)							
LED Beacon	£135 (DF-0.25)							

Dealer Fit =  To see our full range of options visit www.marshall-trailers.co.uk/configure-machine

Marshall Easy-Connect System (Patent Pending)



The tractor draws up to the hose with the connection fork extended.



The hose slides into the connection fork.



The hose is pulled tight against the coupling to create an air tight seal.



Once the tanker has filled, the operator extends the connection fork and reverses away from the hose before retracting the connection fork and driving away.

ST Slurry Tanker Range

www.marshall-trailers.co.uk/range/tankers

The details make the design...

Sub-arc Welding

The tanks on the ST range are constructed from 6mm steel and welded using a sub-arc welder to ensure the tanks are strong and guaranteed to seal. This fabrication method provides a much more reliable and consistent finish than welding the tanks by hand.

We're not afraid but the competition should be! Ask our competitors the questions below, compare our specifications, compare our prices and see why Marshalls is the right choice.

	Model	Marshall	Competitor
1 What size of pump does the tanker have?	ST/1200	8,000 ltr	
	ST/1400	8,000 ltr	
	ST/1600	8,000 ltr	
	ST/1800	8,000 ltr	
	ST/2000	10,000 ltr	
	ST/2300	10,000 ltr	
	ST/2550	10,000 ltr	
	ST/3000	10,000 ltr	
2 Does the tanker have a slurry trap system?	ST/1200	Dual System - Primary Double-ball Set-up / Secondary Syphon Box Trap	
	ST/1400	Dual System - Primary Double-ball Set-up / Secondary Syphon Box Trap	
	ST/1600	Dual System - Primary Double-ball Set-up / Secondary Syphon Box Trap	
	ST/1800	Dual System - Primary Double-ball Set-up / Secondary Syphon Box Trap	
	ST/2000	Dual System - Primary Double-ball Set-up / Secondary Syphon Box Trap	
	ST/2300	Dual System - Primary Double-ball Set-up / Secondary Syphon Box Trap	
	ST/2550	Dual System - Primary Double-ball Set-up / Secondary Syphon Box Trap	
	ST/3000	Dual System - Primary Double-ball Set-up / Secondary Syphon Box Trap	
3 What thickness is the tanker drum?	ST/1200	6mm	
	ST/1400	6mm	
	ST/1600	6mm	
	ST/1800	6mm	
	ST/2000	6mm	
	ST/2300	6mm	
	ST/2550	6mm	
	ST/3000	6mm	
4 What is the capacity of the tanker?	ST/1200	1,220 Gallons / 5,500 ltr	
	ST/1400	1,400 Gallons / 6,300 ltr	
	ST/1600	1,550 Gallons / 7,000 ltr	
	ST/1800	1,800 Gallons / 8,200 ltr	
	ST/2000	2,150 Gallons / 9,800 ltr - this figure is not reduced by cut-in for wheels	
	ST/2300	2,340 Gallons / 10,650 ltr - this figure is not reduced by cut-in for wheels	
	ST/2550	2,560 Gallons / 11,600 ltr - this figure is not reduced by cut-in for wheels	
	ST/3000	3,000 Gallons / 13,640 ltr	
5 Does the tanker have a full support chassis?	ST/1200	Yes - Full Chassis Minimizing Stress on the Tank	
	ST/1400	Yes - Full Chassis Minimizing Stress on the Tank	
	ST/1600	Yes - Full Chassis Minimizing Stress on the Tank	
	ST/1800	Yes - Full Chassis Minimizing Stress on the Tank	
	ST/2000	Yes - Full Chassis Minimizing Stress on the Tank	
	ST/2300	Yes - Full Chassis Minimizing Stress on the Tank	
	ST/2550	Yes - Full Chassis Minimizing Stress on the Tank	
	ST/3000	Yes - Full Chassis Minimizing Stress on the Tank	
6 What is the tanker's unladen weight?	ST/1200	1,730 kgs	
	ST/1400	2,120 kgs	
	ST/1600	2,330 kgs	
	ST/1800	2,540 kgs	
	ST/2000	2,860 kgs	
	ST/2300	3,400 kgs	
	ST/2550	3,790 kgs	
	ST/3000	3,950 kgs	
7 Does the tanker have internal baffles and reinforcing rings?	ST/1200	Reinforcing Rings Only	
	ST/1400	Reinforcing Rings Only	
	ST/1600	Yes	
	ST/1800	Yes	
	ST/2000	Yes	
	ST/2300	Yes	
	ST/2550	Yes	
	ST/3000	Yes	
8 What size of axle does the tanker have?	ST/1200	6 stud 70mm 300 x 60	
	ST/1400	8 stud 80mm 350 x 90	
	ST/1600	8 stud 80mm 350 x 90	
	ST/1800	8 stud 80mm 350 x 90	
	ST/2000	10 stud 90mm 406 x 120 S Cam Commercial; Drop Axle	
	ST/2300	10 stud 90mm 406 x 120 S Cam Commercial; Drop Axle	
	ST/2550	10 stud 90mm 406 x 120 S Cam Commercial; Drop Axle	
	ST/3000	10 stud 90mm 406 x 120 S Cam Commercial; Tandem Axle	
9 What is the standard tyre on the tanker?	ST/1200	385-65 x 22.5	
	ST/1400	400-60R x 22.5	
	ST/1600	550-60 x 22.5	
	ST/1800	550-60 x 22.5	
	ST/2000	750-60 x 22.5	
	ST/2300	750-60 x 22.5	
	ST/2550	750-60 x 22.5	
	ST/3000	400-60R x 22.5	
10 What paint finish does the tanker have?	ST/1200	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
	ST/1400	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
	ST/1600	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
	ST/1800	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
	ST/2000	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
	ST/2300	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
	ST/2550	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
	ST/3000	Shot-blasted, 80 Microns High-build Primer, 50 Microns Polyurethane Gloss	
	Final Score:		
	Price:		

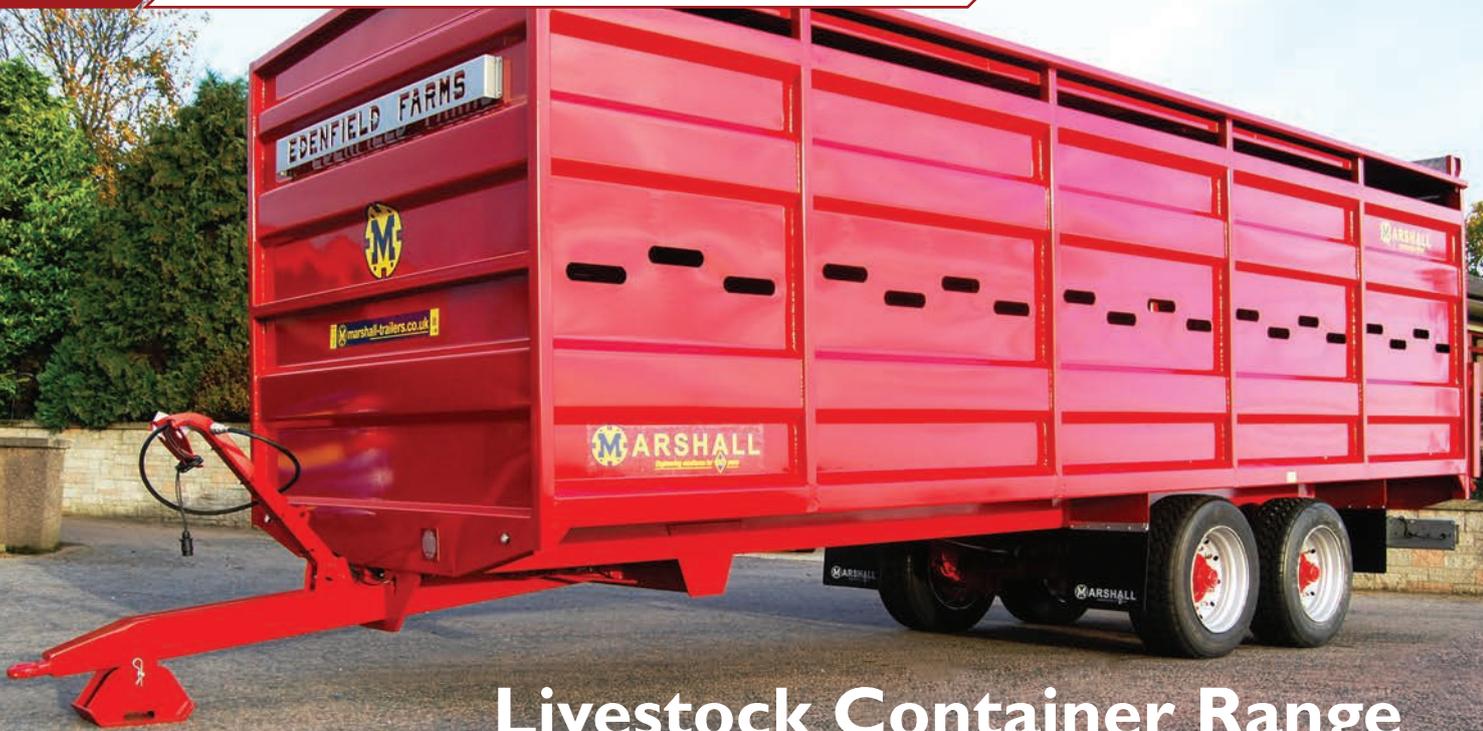


The details make the design...

Drop-axle

The ST/2000 model upwards has a drop-axle as standard to lower the height of the tanker and improve stability.

ST Slurry Tanker Range



Livestock Container Range

The ultimate way for livestock to travel.

Our livestock container range provides a simple, efficient and good value way to shift livestock between farms or transport them to market.

Value – our livestock containers all provide an excellent value method for moving livestock. There is no need to have an HGV license or to have passed a trailer test; simply the ability to drive a tractor. Our fixed livestock containers are particularly good value, starting at £10,878 retail, there are few other ways to move livestock at that price.

Box Design – every model is constructed from steel and has its own chequered plate floor that is coated with anti-slip paint. Internal slam-shut dividing gates are standard on all models and can be positioned anywhere along the length of the container.

Loading Ramp Design – all models benefit from an aluminium chequered plate loading ramp that has two helper springs to assist closing and opening.



Model Shown: 21' Fixed Livestock Container



Sheep Decks

Livestock Container Range

www.marshall-trailers.co.uk/range/livestock-trailers-containers

The details make the design...

Fully-welded Construction

The entire range of containers are fully-welded and not simply bolted together or stitch welded. Naturally this improves rigidity and reduces the potential areas for water to sit and cause premature rusting.



Livestock Container Range

Prices, Specification and Options

	21	25	28	32
Steel Container	£7,378	£8,275	£9,258	£10,358
Steel Box and Trailer - Fixed	£10,878	£13,525	£15,223	£16,826
Steel Box and Trailer - Dismountable	£13,507	£16,375	£18,523	£20,758
Trailer Model	BC21 12.5 WVs	BC25 12 ton	BC28 14 ton	BC32 14 ton
Axle Size on Fixed Trailer	70mm 6 stud	80mm 8 stud	80mm 8 stud	80mm 8 stud
Container Size	21' x 8'	25' x 8'	28' x 8'	32' x 8'
Unladen Weight - Steel	1800 kgs	2145 kgs	2400 kgs	2700 kgs
Approximate Carrying Weight	8000 kgs	10000 kgs	12000 kgs	12000 kgs
Internal Loading Height	6' 6"	6' 6"	6' 6"	6' 6"
Internal Cattle / Sheep Divisions	1	2	2	3
OPTIONAL EQUIPMENT				
Sheep Decks	£3,400 (DF-2)	£3,600 (DF-2)	£3,800 (DF-2)	£4,200 (DF-2)
Additional Internal Divisions	£664 (DF-0.25)	£664 (DF-0.25)	£664 (DF-0.25)	£664 (DF-0.25)
Front Escape Hatch	£680	£680	£680	£680
15-55 x 17	£680 (DF-1)	N/A	N/A	N/A
340 x 65 x 18 Radial	£1,340 (DF-1)	N/A	N/A	N/A
400-60R x 22.5	£2,155	Standard	Standard	Standard
355-50 x 22.5 (Lowers bed height by 150mm)	N/A	£640	£640	£640
445-45 x 19.5 (Lowers bed height by 150mm)	N/A	£1,160	£1,160	£1,160
NEW 400-60 x 22.5	N/A	£788 (DF-1)	£788 (DF-1)	£788 (DF-1)
550-45 x 22.5	N/A	£1,640	£1,640	£1,640
560-45 x 22.5	N/A	£2,280	£2,280	£2,280
Spring Drawbar	£782	£782	Standard	Standard
LED Beacon	£135 (DF-0.25)	£135 (DF-0.25)	£135 (DF-0.25)	£135 (DF-0.25)
Rear Tool Box	£105 (DF-1)	£105 (DF-1)	£105 (DF-1)	£105 (DF-1)
Extra Harvest Ladder	£173 (DF-0.25)	£173 (DF-0.25)	£173 (DF-0.25)	£173 (DF-0.25)
LED Tail Light	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)	£150 (DF-0.5)
10 Stud Commercial Axle 406 x 120	N/A	£1,214	£1,214	£1,214
10 Stud Commercial Axle c/w ABS Brakes	N/A	£4,620	£4,620	£4,620
Air / Oil Brakes c/w Load Sensing	£1,350 (DF-4)	£1,350 (DF-4)	£1,350 (DF-4)	£1,350 (DF-4)
Oil Load Sensing	£750 (DF-2)	£750 (DF-2)	£750 (DF-2)	£750 (DF-2)
Rear Box Pusher	£425 (DF-2.5)	£425 (DF-2.5)	£425 (DF-2.5)	£425 (DF-2.5)
Hydraulic Side Walkway (per side)	£975 (DF-5)	£975 (DF-5)	£975 (DF-5)	£975 (DF-5)
18" Side Posts	£275	£325	£375	£375
Rear Tow Hitch c/w Lights and Brakes	£425	£425	£425	£425
Rear Ramps (Aluminium, 3m, 7.4 ton)	£1,350 (DF-0.25)	£1,350 (DF-0.25)	£1,350 (DF-0.25)	£1,350 (DF-0.25)

Dealer Fit =  To see our full range of options visit www.marshall-trailers.co.uk/configure-machine



The details make the design...

Internal Divisions

Every container comes with at least one internal dividing gate, which is designed to be repositioned along the length of the container for maximum flexibility.

Livestock Container Range

www.marshall-trailers.co.uk/range/livestock-trailers-containers



FT Feed Trailer Range

Model Shown:
FT/20 Feed Trailer



Tough, strong and durable.

Construction – tapered sides to allow for easy feeding. Every model also benefits from a fully welded steel construction with 5mm ends and 3mm or 4mm sides.

Floor – the entire range has 30mm treated pine floors, which allows effluent to escape and can easily be replaced when worn out.

Full Opening Removable Rear Door – allows feed trailers to be easily cleaned out.

Retractable Drawbar – maximizes number of available feed spaces.

Axles – new 6 stud 70mm beam axles are used on both models in the range.

Prices, specification and options.

	FT/15	FT/20
Price	£2,100	£2,700
Length	15' x 5' 6"	20' x 5' 6"
Feed Spaces	32	40
Loading Height	60"	62"
Sides	3mm Steel	4mm Steel
Front	5mm Steel	5mm Steel
Axles	6 stud 70mm	6 stud 70mm
Tyres	11.5 x 15 - 10 ply	12.5 x 15 - 14 ply
Retractable Drawbar	Standard	Standard
Swinging Removable Taildoor	Standard	Standard
OPTIONAL EQUIPMENT		
Jack Screw in lieu of Skid	£95 (DF-0.5)	£95 (DF-0.5)
Tombstone Sides	£350	£350
Removable Seating	£900 (DF-2)	£1,100 (DF-2)

Dealer Fit =  To see our full range of options visit www.marshall-trailers.co.uk/configure-machine

FT Feed Trailer Range

www.marshall-trailers.co.uk/range/feed-trailers

The details make the design...

Built to Last

The FT feed trailer range has not been built to a price it has been built to last. The right materials and the right construction methods have been used to make sure the Marshall feed trailers are better than the typical offerings available on the market today.





FB Feed Barrier Range



Model Shown: FB/6

Prices, specification and options.

	FB/6
Price	£1,150
Length	6m
Height	0.81m - 1.32m
Width	1.04m
Feed Spaces	16
Ends	5mm Steel
Frame	Steel Box Section
Floor & Sides	30mm Treated Pine

Simple and strong.

Frame Design – box section steel framework, which benefits from a fully welded construction for strength and rigidity. The ends of our feed barriers are also profiled from 5mm steel to further enhance the build quality.

Side & Floor Design – 30mm treated pine is used for the floor and sides, which allows effluent to escape and can be easily replaced when worn out.



The details make the design...

Robot-welded Construction

The FB/6 has been designed to be welded on our robotic welders; ensuring a high-quality and consistent finish.

**FB Feed
Barrier Range**

www.marshall-trailers.co.uk/range/feed-barriers

Tyre Guide

Tyres are an important decision when specifying a trailer so let us help you make the correct choice. This guide will give you information about the different tyres we offer and explain what the tyre sizes mean.

Tyre Information



TYRE SIZE	TYPE	DESCRIPTION
1	26 x 12.0 x 12	Floatation Fits to small trailers and provides fantastic floatation.
2	12.5 x 15.3	Floatation Primarily designed to provide floatation for field work.
3	15 x 55 x 17	Floatation This wide tyre provides floatation above a 12.5 x 15.3.
4	340 - 65 x 18	New Radial Also known as a mini super single, it is excellent for road work.
5	385 x 65 x 22.5	Radial - Remould Also known as a super single and designed for road performance.
6	400 - 60R x 22.5	Radial - Remould Similar to a super single but marginally wider for better floatation.
7	400 - 60 x 22.5	Floatation Hockey stick pattern designed for the field.
8	16 x 70 x 20TT	Floatation The track tread means this tyre is excellent at field work.
9	16.5 x 70 x 18	Floatation Extremely durable tyre that performs well in the field.
10	355 - 50 x 22.5	Radial - Remould Low radial tyre designed for high speed road performance.
11	445 - 45 x 19.5	New Radial Low and wide radial tyre designed for high speed road performance.
12	550 - 45 x 22.5	Floatation Excellent tyre for floatation, designed primarily for the field.
13	560 - 45 x 22.5	New Radial Designed to provide good road performance and floatation.
14	550 - 60 x 22.5	Floatation Excellent tyre for floatation, designed primarily for the field.
15	560 - 60 x 22.5	New Radial Designed to provide good road performance and floatation.
16	750 - 60 x 30.5	Floatation Massive tyre to provide incredible floatation.

Tyre Sizes Explained

385 - 65 x 22.5

The first number indicates the width of the tyre and can be metric or imperial. In this example the width of the tyre would be 385mm.

The second number is the depth of the sidewall as a percentage of the tyre width. In this example 65% of 385mm meaning the sidewall of the tyre is 250mm deep.

The final number is the diameter of the tyre's centre and is usually in imperial. In this example the tyre centre has a diameter of 22.5".

Tyre Notes

All 355 - 50 x 22.5 tyres are rebuilt tyres fitted to new centres. Please note that due to the rebuilding process the branding on the side of these tyres may not always match.
 All 385 - 65 x 22.5 tyres are rebuilt tyres fitted to new centres.
 All 400 - 60R x 22.5 tyres are rebuilt tyres fitted to new centres.
 If 550 - 45 x 22.5 or 560 - 45 x 22.5 tyres are fitted to QM/11, QM/12 or QM/1200 models then mudguards are required - see page 16.
 If 560 - 60 x 22.5 or 550 - 60 x 22.5 tyres are fitted to QM Models then the loading height of the trailers increases by 8".

Correct tyre pressures are available on our website www.marshall-trailers.co.uk/downloads

Running Gear Guide

The relatively recent increase in tractor speeds and travelling distances means that it is critical to specify the correct axles, brakes and suspension when deciding on a new trailer. Accordingly our guide to running gear highlights the important specs to look for and explains how Marshalls can meet these challenges.

Axles

Marshalls have always recognised the importance of fitting the appropriate axles to all the models in our range since they have such an effect on machine performance and safety. Unfortunately it is an area where many of our competitors cut-corners and fit axles that cannot cope with modern farming practices. Therefore it has become more important than ever to understand axle sizes when you are comparing machines to ensure they are up to standard; read our axle size explanation below to find out more:

10 stud 120mm 420 x 180 S-Cam



The number of studs indicates the size of wheel that can be fitted to the axle. The more studs the larger the wheel that can safely be fitted. If too large a tyre is fitted to an axle it can damage studs or shear the entire hub from the beam.



The larger the beam size the greater the axle's carrying capacity.



The first number indicates the diameter of the brake drum and the second number the width of the brake shoe. It is important for these numbers to match up to maximize braking efficiency. If they do not match up then the brakes will not be working at the correct temperature and braking force will be lost. It is also important to identify how the brake drum has been produced, whether it is cast or pressed steel. Cast drums dissipate heat better and ensure the brakes work at the optimum temperature.



The type of cam an axle has signifies whether the axle is commercial; only commercial axles have an S-Cam. The advantage of an S-Cam is it forces the brake shoe more evenly against the brake drum compared to a flat cam, therefore increasing the braking force of the axle.



8 Stud Flat Cam



10 Stud S - Cam

Axles Notes

On our QM/14, QM/1400, QM/16, QM/1600 and QM/1800 models 10 stud 120mm 420x180 S-Cam commercial axles are standard. This is the same size of axle used by HGVs.

Brakes

The braking system is another key part of the running gear of any trailer, particularly when travelling at higher speeds for longer distances. Accordingly Marshalls offer a number of different braking options to ensure our machines exceed the current legislation and will be ready for any future changes to the law.

Hydraulic Brakes – this is the standard braking system on all ranges of machines since every tractor can operate hydraulic brakes. Depending on the model, either 20mm or 25mm brake cylinders are fitted to each brake actuator. This set-up has been fully tested and currently exceeds the present 25% efficiency braking regulations. Load sensing is also available as an option on our hydraulic braking systems.

Air Brakes c/w Load Sensing – we offer air brakes as an optional extra on many of our models. This supplements our standard hydraulic braking system to ensure that all tractors can safely tow the trailer, even if they are not equipped for air brakes. It is also important to note that all our air brake kits come with load sensing as standard to prevent locking up and skidding the machine tyres. In addition all our air brake kits have a twin line system, with a service for normal braking and an emergency, which automatically engages the brakes in the event of a break away.

ABS – the ultimate braking solution, our ABS package comes with 10 stud commercial axles and air brakes. It eliminates the possibility of skidding the tyres and provides maximum braking efficiency.

Brakes Notes

Load sensing for hydraulic or air braking systems is only available on machines with spring suspension. Manual load sensing is available for air brakes on machines with split oscillating suspensions.

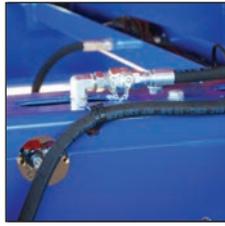
**Running Gear
Guide**

www.marshall-trailers.co.uk

Optional Equipment



Air Brakes



Oil Brakes LSV



Hyd Door Safety Valve



8" Hatch



12" Hatch



Perspex Front Window - Small



Perspex Front Window - Large



Trailer Cover



Roll-over Cover



Dual Lights



LED Lights



High Level LED Lights



LED Beacon



Spring Drawbar



Rear Tow Hitch



Hyd Up & Over Grain Door



Hyd Grain Door c/w Silage Attachment



Bale Extension



Top and Bottom Hinged Door



Mesh Sides



Jack Screw



Rear Ramps



Rear Box Pusher & Hydraulic Walkway



Rear Toolbox



Slurry Bib



Feeder Unit



Full Opening Rear Door



Tanker Hydraulic Hatch



Quick Attach Coupling



Escape Hatch

Optional Equipment

www.marshall-trailers.co.uk



www.marshall-trailers.co.uk



www.facebook.com/marshalltrailers

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Thank you to our loyal customers for their continued support, if you would like your Marshall machine to be featured on our facebook page and possibly in our 2017 pricelist then please send us your photos.

Supplied by:

