

# PRODUCT GUIDE 2024





## About Richard Western

For more than five decades, the Richard Western name has been synonymous with the design and manufacture of products trusted by farmers and contractors from across the UK and beyond. From flatbeds to monocoques and dumpers to livestock transporters, we're proud our trailers have played a part in the simple yet vital process of carting, carrying, hauling and shifting the inputs and outputs of agriculture.

Our high-output rear-discharge manure spreaders and side-discharge tanker types are used by large numbers of farms and contracting businesses. And then there are our ranges of grain chasers and drill fillers, designed to help maximize the output of the machines they are paired with. In short, whatever farms need to move from A to B, we have the solution.



First Trailers Manufactured

1972



First Muck Spreader Manufactured

1982



First Suffolk Silage Trailers Manufactured

1990



First Pusher Ram Trailer Manufactured

2020

1968

Richard Western Ltd was Founded



1974

First Tandem Axle Trailers Manufactured



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1987

First Delilah Spreader Manufactured



2018

50th Anniversary of Richard Western Ltd



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# Pusher Ram Trailers

Large volume for efficient transport and less downtime, increase the efficiency to your forage harvester. Unrivalled construction provides tremendous strength, minimal maintenance costs and long life. Comes complete with LED road lights, tailboard lights with indication ballast and protective covers, side/front markers, flashing beacon.

## STANDARD FEATURES

- 8mm Floor and 5mm Sides (S355 Steel)
- 10 Stud commercial axles
- Torque Arm Suspension to suit large diameter agricultural wheels
- The height adjustable sprung drawbar with Bolt-On ring hitch
- Sides and floors are each made on one piece of steel
- Sliding system is low maintenance and is supported by 4 industrial wheels
- Stability during unloading; it can even be unloaded in a building; cargo can also be partially unloaded
- Pusher blade is supported on wheels to reduce friction while the seal is also made of PE1000 thermoplastic for high wear resistance
- Quick unloading cycle time
- Locking tailboard for compressing resistance
- Opening and locking the tailgate has a hydraulic and mechanical lock function for added security
- Tandem axle version operates from the tractor hydraulics, Tri-axle model PTO on board hydraulics
- Air or Hydraulic brakes with LSV
- Extra lining for cereals

Pusher Trailer Model	Capacity (m³) before compaction	Carrying Capacity (Tonnes)	Body Width External	Body Width Internal	Body Length	Overall Length	Loading Height	Open Door Height
PR3018	30(m³)	18t	2.55m	2.24m	5.61m	7.51m	3.74m	4.94m
PR3621	36(m³)	21t	2.55m	2.24m	6.63m	8.53m	3.74m	4.94m
PR4024	40(m³)	24t	2.55m	2.24m	7.31m	9.21m	3.88m	5.08m
PR5030	50(m³)	30t	2.55m	2.24m	9.00m	10.91m	3.74m	4.94m

## PR3018 - PR5030

Pusher Ram Trailer	PR3018	PR3621	PR4024	PR5030
<b>Axle Configuration</b>	Tandem Axle	Tandem Axle	Tandem Axle	Tri-axle-1steer
<b>420 x 180 Brakes 127mm Beam</b>	STD	STD	N/A	STD
<b>Torque Arm Suspension - 100mm 2 leaf</b>	STD	STD	N/A	STD
<b>560/60R - 22.5 BKT Ridemax FL693M 165D</b>	STD	STD	N/A	STD
<b>600/55R26.5 BKT Ridemax FL693M 177D</b>	Optional	Optional	N/A	Optional
<b>650/55R26.5 Wheels 3 Leaf 100mm Wide Torque Arm Suspension 420 x 220 Brake 150mm Beam</b>	N/A	N/A	STD	N/A
<b>650/55R26.5 BKT Ridemax 178D</b>	Optional	Optional	N/A	Optional
<b>Steering Axle</b>	Optional	Optional	Optional	Front Steer Optional
<b>Hydraulic Drawbar</b>	Optional	Optional	Optional	Optional
<b>Hydraulic Suspension Complete with One Steer</b>	Optional	Optional	Optional	Optional
<b>Sprung Drawbar</b>	STD	STD	STD	STD
<b>8 Bolt on Flange with Swivel Eye</b>	STD	STD	STD	STD
<b>Tailboard Lights &amp; Led Beacon</b>	STD	STD	STD	STD
<b>Dual brakes - Air and Hydraulic with LSV</b>	Optional	Optional	Optional	Optional
<b>Air or Hydraulic brakes with LSV</b>	STD	STD	STD	STD
<b>ABS on Air Brakes &amp; Auto Slacks</b>	Optional	Optional	Optional	Optional
<b>Plastic Toolbox</b>	STD	STD	STD	STD
<b>Front Post Mounted Work Lights</b>	STD	STD	STD	STD
<b>Number Plate Holder &amp; Wheel nut indicators</b>	STD	STD	STD	STD

## Optional Equipment

- Active Steering Axle 1 Steer Tandem 2 Steer Tri axl
- Front to Back Roll over sheeting system
- Load cell weigher for Hydraulic Suspension only

# Suffolk Trailers

## STANDARD FEATURES:

- Monocoque tapered body 4mm floor, 3mm sides
- LED road lights with indication ballast and protective covers, side/front markers
- Inspection Ladder
- Body prop
- Chassis shock absorption pads
- Height adjustable sprung drawbar
- Hydraulic tailgate with rubber seal, auto lock
- Tipping ram Tenifer coated 6 stage single cylinder with ¾ hydraulic tipping hose
- 55-degree tipping body with anti-corrosive tipping rams



Model shown includes optional equipment at extra cost

Suffolk Trailer Model	Grain Capacity	Silage Capacity	Body Length	Body Height	Front Width	Rear Width	Tip Height (Grain) est.	Tip Height (Silage) est.	Grain Top Rail Height (560/60R22.5 wheels)
SF11	14.68(m³)	24.90(m³)	5.02m	1.32m	2.13m	2.27m	6.02m	6.44m	2.71m
SF12	16.32(m³)	27.29(m³)	5.39m	1.37m	2.13m	2.27m	6.32m	6.74m	2.76m
SF14	17.71(m³)	29.58(m³)	5.85m	1.37m	2.13m	2.27m	6.79m	7.21m	2.76m
SF15	19.06(m³)	31.87(m³)	6.31m	1.37m	2.13m	2.27m	7.46m	7.90m	2.76m
SF16HS Compact	19.63(m³)	31.21(m³)	5.85m	1.52m	2.13m	2.27m	7.10m	7.39m	2.91m
SF16	20.47(m³)	34.29(m³)	6.78m	1.37m	2.13m	2.27m	7.56m	7.98m	2.76m
SF17	21.20(m³)	34.00(m³)	6.31m	1.52m	2.13m	2.27m	7.50m	7.92m	2.91m
SF18	22.72(m³)	36.46(m³)	6.78m	1.52m	2.13m	2.27m	7.64m	8.06m	2.91m
SF20	24.87(m³)	39.91(m³)	7.40m	1.52m	2.13m	2.27m	7.89m	8.31m	2.98m
SF24	28.22(m³)	45.28(m³)	8.40m	1.52m	2.13m	2.27m	9.39m	9.81m	2.96m

## SF11

## Optional Equipment

- For optional equipment see page 21

Suffolk Trailers	SF11HS	SF11HS PLUS
<b>420 x 180 Brakes, 127mm Beam</b>	STD	STD
<b>Torque Arm Suspension - 80mm Single Leaf</b>	STD	STD
<b>Air or Hydraulic brakes with LSV</b>	STD	STD
<b>Dual brakes - Air and Hydraulic with LSV</b>	Optional	Optional
<b>ABS on Air Brakes</b>	Optional	Optional
<b>Auto Slack Adjusters</b>	Optional	Optional
<b>Tailboard Plunger Valve</b>	STD	STD
<b>Perspex Window</b>	Optional	N/A
<b>Arched Window</b>	Optional	STD
<b>Grain Chute</b>	Optional	STD
<b>Mudguards</b>	Optional	STD
<b>LED Beacon</b>	Optional	STD
<b>Tailboard Lights</b>	Optional	STD
<b>Number Plate Holder</b>	Optional	STD
<b>Wheel Nut Indicators</b>	Optional	STD
<b>365/65R22.5 Remould</b>	STD	N/A
<b>560/45R - 22.5 BKT Ridemax FL693M E 152D</b>	Optional	FOC
<b>560/60R - 22.5 BKT Ridemax FL693M 165D</b>	Optional	STD
<b>Silages Sides Type A or B - See page 20</b>	Optional	Optional
<b>Roll Over Sheet</b>	Optional	Optional
<b>Hydraulic Roll Over Sheet - Side to Side</b>	Optional	Optional
<b>Hydraulic Lift Over Sheet - Side to Side</b>	Optional	Optional

# SF12

## Optional Equipment

- For optional equipment see page 21

Suffolk Trailers	SF12HS	SF12HS PLUS
420 x 180 Brakes, 127mm Beam	STD	STD
Torque Arm Suspension - 80mm Single Leaf	STD	STD
Air or Hydraulic brakes with LSV	STD	STD
Dual brakes - Air and Hydraulic with LSV	Optional	Optional
ABS on Air Brakes	Optional	Optional
Auto Slack Adjusters	Optional	Optional
Tailboard Plunger Valve	STD	STD
Perspex Window	Optional	N/A
Arched Window	Optional	STD
Grain Chute	Optional	STD
Mudguards	Optional	STD
LED Beacon	Optional	STD
Tailboard Lights	Optional	STD
Number Plate Holder	Optional	STD
Wheel Nut Indicators	Optional	STD
365/65R22.5 Remould	STD	N/A
560/60R - 22.5 BKT Ridemax FL693M 165D	Optional	STD
Silages Sides Type A or B - See page 20	Optional	Optional
Roll Over Sheet	Optional	Optional
Hydraulic Roll Over Sheet - Side to Side	Optional	Optional
Hydraulic Lift Over Sheet - Side to Side	Optional	Optional

# SF14

Suffolk Trailers	SF14HS	SF14HS PLUS
420 x 180 Brakes, 127mm Beam	STD	STD
Torque Arm Suspension - 80mm Single Leaf	STD	STD
Air or Hydraulic brakes with LSV	STD	STD
Dual brakes - Air and Hydraulic with LSV	Optional	Optional
ABS on Air Brakes	Optional	Optional
Auto Slack Adjusters	Optional	Optional
Tailboard Plunger Valve	STD	STD
Perspex Window	Optional	N/A
Arched Window	Optional	STD
Grain Chute	Optional	STD
Mudguards	Optional	STD
LED Beacon	Optional	STD
Tailboard Lights	Optional	STD
Number Plate Holder	Optional	STD
Wheel Nut Indicators	Optional	STD
365/65R22.5 Remould	STD	N/A
560/60R - 22.5 BKT Ridemax FL693M 165D	Optional	STD
Silages Sides Type A or B - See page 20	Optional	Optional
Roll Over Sheet	Optional	Optional
Hydraulic Roll Over Sheet - Side to Side	Optional	Optional
Hydraulic Lift Over Sheet - Side to Side	Optional	Optional

# SF15

## Optional Equipment

- For optional equipment see page 21

Suffolk Trailers	SF15HS	SF15HS PLUS
420 x 180 Brakes, 127mm Beam	STD	STD
Torque Arm Suspension - 100mm 2 Leaf	STD	STD
Air or Hydraulic brakes with LSV	STD	STD
Dual brakes - Air and Hydraulic with LSV	Optional	Optional
ABS on Air Brakes	Optional	Optional
Auto Slack Adjusters	Optional	Optional
Tailboard Plunger Valve	STD	STD
Perspex Window	Optional	N/A
Arched Window	Optional	STD
Grain Chute	Optional	STD
Mudguards	Optional	STD
LED Beacon	Optional	STD
Tailboard Lights	Optional	STD
Number Plate Holder	Optional	STD
Wheel Nut Indicators	Optional	STD
365/65R22.5 Remould	STD	N/A
560/60R - 22.5 BKT Ridemax FL693M 165D	Optional	STD
Silages Sides Type A or B - See page 20	Optional	Optional
Roll Over Sheet	Optional	Optional
Hydraulic Roll Over Sheet - Side to Side	Optional	Optional
Hydraulic Lift Over Sheet - Side to Side	Optional	Optional

# SF16 Compact

Suffolk Trailers	SF16HS Compact	SF16HS PLUS Compact
420 x 180 Brakes, 127mm Beam	STD	STD
Torque Arm Suspension - 100mm 2 Leaf	STD	STD
Air or Hydraulic brakes with LSV	STD	STD
Dual brakes - Air and Hydraulic with LSV	Optional	Optional
ABS on Air Brakes	Optional	Optional
Auto Slack Adjusters	Optional	Optional
Tailboard Plunger Valve	STD	STD
Perspex Window	Optional	N/A
Arched Window	Optional	STD
Grain Chute	Optional	STD
Mudguards	Optional	STD
LED Beacon	Optional	STD
Tailboard Lights	Optional	STD
Number Plate Holder	Optional	STD
Wheel Nut Indicators	Optional	STD
365/65R22.5 Remould	STD	N/A
560/60R - 22.5 BKT Ridemax FL693M 165D	Optional	STD
Silages Sides Type A or B - See page 20	Optional	Optional
Roll Over Sheet	Optional	Optional
Hydraulic Roll Over Sheet - Side to Side	Optional	Optional
Hydraulic Lift Over Sheet - Side to Side	Optional	Optional

# SF16

## Optional Equipment

• For optional equipment see page 21

Suffolk Trailers	SF16HS	SF16HS PLUS
420 x 180 Brakes, 127mm Beam	STD	STD
Torque Arm Suspension - 100mm 2 Leaf	STD	STD
Air or Hydraulic brakes with LSV	STD	STD
Dual brakes - Air and Hydraulic with LSV	Optional	Optional
ABS on Air Brakes	Optional	Optional
Auto Slack Adjusters	Optional	Optional
Tailboard Plunger Valve	STD	STD
Perspex Window	Optional	N/A
Arched Window	Optional	STD
Grain Chute	Optional	STD
Mudguards	Optional	STD
LED Beacon	Optional	STD
Tailboard Lights	Optional	STD
Number Plate Holder	Optional	STD
Wheel Nut Indicators	Optional	STD
365/65R22.5 Remould	STD	N/A
560/60R - 22.5 BKT Ridemax FL693M 165D	Optional	STD
Silages Sides Type A or B - See page 20	Optional	Optional
Roll Over Sheet	Optional	Optional
Hydraulic Roll Over Sheet - Side to Side	Optional	Optional
Hydraulic Lift Over Sheet - Side to Side	Optional	Optional

# SF17

Suffolk Trailers	SF17HS	SF17HS PLUS
420 x 180 Brakes, 127mm Beam	STD	STD
Torque Arm Suspension - 100mm 2 Leaf	STD	STD
Air or Hydraulic brakes with LSV	STD	STD
Dual brakes - Air and Hydraulic with LSV	Optional	Optional
ABS on Air Brakes	Optional	Optional
Auto Slack Adjusters	Optional	Optional
Tailboard Plunger Valve	STD	STD
Perspex Window	Optional	N/A
Arched Window	Optional	STD
Grain Chute	Optional	STD
Mudguards	Optional	STD
LED Beacon	Optional	STD
Tailboard Lights	Optional	STD
Number Plate Holder	Optional	STD
Wheel Nut Indicators	Optional	STD
365/65R22.5 Remould	STD	N/A
560/60R - 22.5 BKT Ridemax FL693M 165D	Optional	STD
Silages Sides Type A or B - See page 20	Optional	Optional
Roll Over Sheet	Optional	Optional
Hydraulic Roll Over Sheet - Side to Side	Optional	Optional
Hydraulic Lift Over Sheet - Side to Side	Optional	Optional

# SF18

## Optional Equipment

• For optional equipment see page 21

Suffolk Trailers	SF18HS	SF18HS PLUS	SF18HS SUPER
420 x 180 Brakes, 127mm Beam	N/A	STD	STD
Torque Arm Suspension - 100mm 2 Leaf	STD	STD	STD
Passive Steering Axle	Optional	Optional	Optional
Air or Hydraulic brakes with LSV	STD	STD	STD
Dual brakes - Air and Hydraulic with LSV	Optional	Optional	Optional
ABS on Air Brakes	Optional	Optional	Optional
Auto Slack Adjusters	Optional	Optional	Optional
Tailboard Plunger Valve	STD	STD	STD
Perspex Window	Optional	N/A	N/A
Arched Window	Optional	STD	STD
Grain Chute	Optional	STD	STD
Mudguards	Optional	STD	STD
LED Beacon	Optional	STD	STD
Tailboard Lights	Optional	STD	STD
Number Plate Holder	Optional	STD	STD
Wheel Nut Indicators	Optional	STD	STD
365/65R22.5 Remould	STD	N/A	N/A
560/60R - 22.5 BKT Ridemax FL693M 165D	Optional	STD	N/A
600/55R26.5 BKT Ridemax FL693M 177D	Optional	Optional	STD
Silages Sides Type A or B - See page 20	Optional	Optional	Optional
Roll Over Sheet	Optional	Optional	Optional
Hydraulic Roll Over Sheet - Side to Side	Optional	Optional	Optional
Hydraulic Lift Over Sheet - Side to Side	Optional	Optional	Optional

# SF20

Suffolk Trailers	SF20HS PLUS Tandem Axle	SF20HS SUPER Tandem Axle	SF20HS PLUS Tri Axle
420 x 220 Brakes 150mm Beam	STD	STD	N/A
2 leaf 100mm wide Torque Arm Suspension	STD	STD	STD
410 x 180 Brakes, 150mm Beam, 100mm Springs	N/A	N/A	STD
Passive Rear Steering axle	Optional	Optional	STD
Air or Hydraulic brakes with LSV	STD	STD	STD
Dual brakes - Air and Hydraulic with LSV	Optional	Optional	Optional
ABS on Air Brakes	Optional	Optional	Optional
Auto Slack Adjusters	Optional	Optional	Optional
Tailboard Plunger Valve	STD	STD	STD
Perspex Window	STD	N/A	N/A
Arched Window	STD	STD	STD
Grain Chute	STD	STD	STD
Mudguards	STD	STD	STD
LED Beacon	STD	STD	STD
Tailboard Lights	STD	STD	STD
Number Plate Holder	STD	STD	STD
Wheel Nut Indicator	STD	STD	STD
560/60R - 22.5 BKT Ridemax FL693M 165D	N/A	N/A	STD
600/55R26.5 BKT Ridemax FL693M 177D	STD	N/A	N/A
650/55R26.5 BKT Ridemax 178D	N/A	STD	N/A
Silages Sides Type A or B - See page 20	Optional	Optional	Optional
Roll Over Sheet	Optional	Optional	Optional
Hydraulic Roll Over Sheet - Side to Side	Optional	Optional	Optional
Hydraulic Lift Over Sheet - Side to Side	Optional	Optional	Optional

# SF24

Suffolk Trailers	SF24HS Tri Axle - Short Chassis	SF24HS PLUS - Short Chassis	SF24HS PLUS Tri Axle
410 x 180 Brakes, 150mm Beam	N/A	N/A	STD
Torque Arm Suspension - 100mm 2 Leaf	STD	STD	STD
Air brakes with LSV and spring park brake	STD	STD	STD
Dual brakes - Air and Hydraulic with LSV	Optional	Optional	Optional
Passive Rear Steering Axle	STD	STD	STD
PTO Tipping	Tractor	Tractor	PTO
ABS on Air Brakes	Optional	Optional	Optional
Auto Slack Adjusters	Optional	Optional	Optional
Tailboard Plunger Valve	STD	STD	STD
Perspex Window	Optional	N/A	N/A
Arched Window	Optional	STD	STD
Grain Chute	Optional	STD	STD
Mudguards	Optional	STD	STD
LED Beacon	Optional	STD	STD
Tailboard Lights	Optional	STD	STD
Number Plate Holder	Optional	STD	STD
Wheel Nut Indicators	Optional	STD	STD
365/65R22.5 Remould	STD	N/A	N/A
560/60R - 22.5 BKT Ridemax FL693M 165D	Optional	STD	STD
Silages Sides Type A or B - See page 20	Optional	Optional	Optional
Roll Over Sheet	Optional	Optional	Optional
Hydraulic Roll Over Sheet - Side to Side	Optional	Optional	Optional
Hydraulic Lift Over Sheet - Side to Side	Optional	Optional	Optional

# Suffolk Export Trailers

## STANDARD FEATURES:

- Bolt on hitch
- Hydraulic jack
- Height-adjustable sprung drawbar
- Monocoque tapered body 4mm floor, 3mm sides
- LED road lights with indicator ballast, complete with protective covers
- LED side marker lights
- Inspection ladder
- Arched window with perspex
- Body prop
- Chassis shock absorption pads
- Hydraulic tailgate with rubber seal, auto lock
- Anti-corrosive tipping rams
- Hydraulic or air brakes with LSV
- Galvanized metal mudguards and mud flaps
- Tipping ram Tenifer coated 6 stage single cylinder with 3/4" hydraulic tipping hose
- Extra LED tailboard lights
- LED Flashing Beacon
- Rack and Pinion - Grain Chute
- Flotation Tires



Model shown includes optional equipment at extra cost

# Suffolk Export Trailers

## Optional Equipment

- For optional equipment see page 21

# SF33-SF50

Suffolk Export Trailers	SF33HS PLUS		SF40HS PLUS		SF45HS PLUS		SF50HS PLUS	
Running Gear	Tandem		Tandem		Tandem	Tri-Axle	Tandem	Tri-Axle
Axle carrying capacity (kg / US Ton)	14,000	15,440	18,000	19,850	120,000	22,050	24,000	26,460
Volume - Grain (m <sup>3</sup> / cu ft)	20	703	26	901	28	985	32	1116
Volume - Silage (m <sup>3</sup> / cu ft)	33	1176	41	1448	45	1582	51	1801
Volume - Silage heaped (m <sup>3</sup> / cu ft)	40	1411	49	1737	54	1899	61	2161
Axle beam tandem (mm)	150x150x12		150x150x12		150x150x16	N/A	150x150x16	N/A
Axle track width tandem (mm / inch)	2200 / 87"		2200 / 87"		2300 / 90.5"	N/A	2200 / 90.5"	N/A
Brake size tandem (ØxW, mm / inch)	420x180 / 16.53x7"		420x180 / 16.53x7"		420x220 / 16.53x8.7"	N/A	420x220 / 16.53x8.7"	N/A
Axle beam tri-axle (mm)	N/A		N/A		N/A	150x150x12	N/A	150x150x12
Axle track width tri-axle (mm / inch)	N/A		N/A		N/A	2200 / 87"	N/A	2200 / 87"
Brake size tri-axle (ØxW, mm / inch)	N/A		N/A		N/A	420x180 / 16.53x7"	N/A	420x180 / 16.53x7"
Rear Steering Axle	Optional		Optional		N/A	Standard	N/A	Standard
Front Steering Axle	N/A		N/A		N/A	Optional	N/A	Optional
560/60R - 22.5 BKT Ridemax FL693M 165D	STD		N/A		N/A	STD	N/A	STD
650/55R26.5 BKT Ridemax 178D	Optional		STD		STD	Optional	STD	Optional
800/45R26.5 BKT FL630 Ultra 184A8/174D	Optional		Optional		Optional	Optional	Optional	Optional
Bolt-on Swivel Ball Clevis Towing Eye CAT3&4	STD		STD		STD	STD	STD	STD
Hoist volume	26 Litres	6.9 US Gal	42 Litres	11 US Gal	56 Litres	14.8 US Gal	56 Litres	14.8 US Gal

## BODY

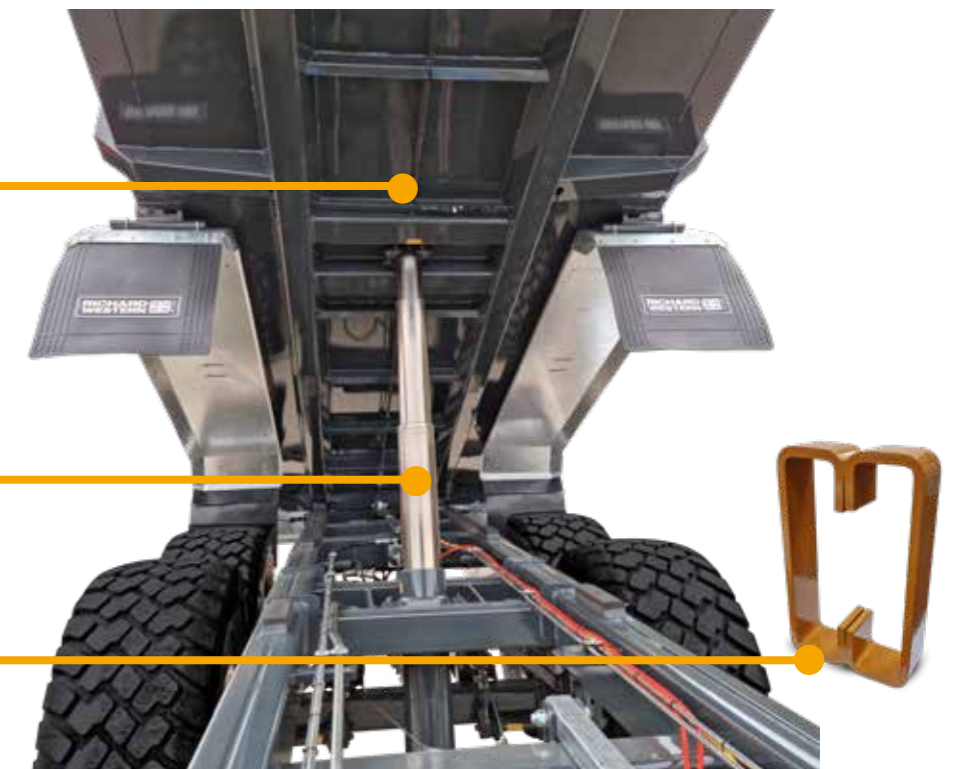
Floor: 2 parts with no internal cross welds, fully internal welded floor and with 150mm taper for easy flow of material.

## SINGLE TIP CYLINDER

Italian manufactured tipping ram, Tenifer coated 6 stage single cylinder with 3/4" hydraulic tipping hose. 55 degree tipping angle, reducing tipping times.

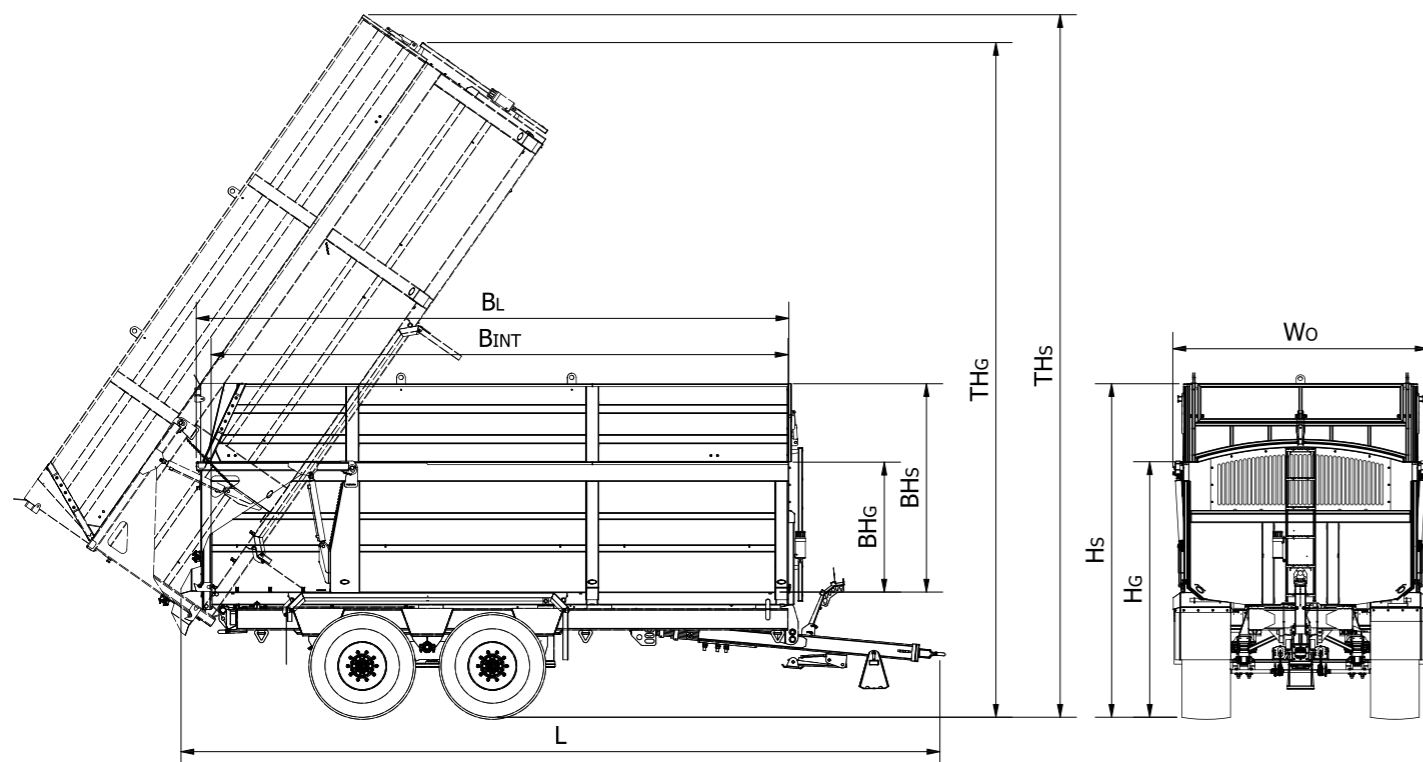
## CHASSIS

Double C Section for greater rigidity to improve ride and stability.



# Suffolk Export Trailer Specifications

Suffolk Export Trailers	SF33HS		SF40HS		SF45HS		SF50HS	
Dimensions	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
L, Overall length (mm / inch)	7,983	314"	8,891	350"	9,532	375"	10,530	415"
HG, Overall height - Grain (mm / inch)	2,789	110"	2,989	118"	3,065	121"	3,065	121"
HS, Overall height - Silage (mm / inch)	3,703	146"	3,906	154"	3,979	157"	3,979	157"
Wo, Overall width (mm / inch)	2,988	118"	2,988	118"	2,988	118"	2,988	118"
BL, Body length (mm / inch)	6,034	238"	6,960	274"	7,578	298"	8,578	338"
BHG, Internal body height - Grain (mm / inch)	1,370	54"	1,524	60"	1,524	60"	1,524	60"
BHS, Internal body height - Silage (mm / inch)	2,284	90"	2,438	96"	2,438	96"	2,438	96"
BINT, Internal body length (mm / inch)	5,940	234"	6,860	270"	7,400	291"	8,500	335"
Average internal width (mm / inch)	2,496	98"	2,496	98"	2,496	98"	2,496	98"
THG, Tipped height - Grain (mm / inch)	7,021	276"	7,900	311"	8,500	335"	8,469	333"
THS, Tipped height - Silage (mm / inch)	7,313	288"	8,193	323"	8,839	348"	8,825	347"
Front width (mm / inch)	2,422	95"	2,422	95"	2,422	95"	2,422	95"
Rear width (mm / inch)	2,578	101"	2,578	101"	2,578	101"	2,578	101"



### AXLES

Heavy duty beam with large bearings and wide spacing between bearings for use with large flotation tires.

### RUNNING GEAR

Heavy duty suspensions with parabolic spring.

### SILAGE SIDES

Removable silage sides allows use as grain trailer.

### DESIGN

Minimal flat surfaces to reduce carrying crop out of store and field.

### HYDRAULIC TAILBOARD

Complete with rubber seal, hydraulic safety valve, catch plates and with cushioning valve at end stroke.

### MUDGUARDS & MUD FLAPS

Galvanized metal mudguards and mud flaps for additional protection.

### LED LIGHTS

Complete with intelligent ballast resistor, to ensure correct warning light function in towing vehicle.

### HYDRAULIC JACK

### BOLT ON HITCH

8 hole flange on front of drawbar, allow quick and easy change between different hitches.

### SPRUNG DRAWBAR

Height-adjustable sprung drawbar ensures accurate trailer setup, regardless of tractor drawbar height. Longitudinal multi-leaf spring controls downforce and rebound forces.

### STEEL

All steel is prime, UK produced high quality material

### EXTRA LIGHTING

Extra tailboard lights and flashing beacon, to increase visibility.



# Rootcrop Trailers

## Monocoque Body Low-Line Trailers. Available in 14-18 Tonne Models .

The Suffolk Rootcrop trailer is a low line trailer to facilitate damage free root-crop harvesting. Using the Suffolk design features Rootcrop trailer have a lower side height and a longer body.

All Rootcrop models come standard on commercial axles and parabolic spring suspension on a 2 metre axle track.

### STANDARD FEATURES:

- Monocoque tapered body 4mm floor, 3mm sides
- LED road lights with indication ballast and protective covers, side/front markers
- Air or Hydraulic brakes with LSV
- Inspection Ladder
- Chassis shock absorption pads
- Hydraulic tailgate with rubber seal, auto lock
- High apex arched perspex window
- Body prop
- Height adjustable spring drawbar
- Tipping Ram Tenifer Coated 6 stage single cylinder



Rootcrop Trailer Model	Body Height	Capacity	Body Length	Front Width	Rear Width	Top Rail Height (560/60R22.5 Wheels)
RC14HS Plus	1.15m	16.96(m <sup>3</sup> )	6.78m	2.13m	2.27m	2.52m
RC14HS Extra	1.22m	18.19(m <sup>3</sup> )	6.78m	2.13m	2.27m	2.59m
RC16HS Plus	1.15m	18.56(m <sup>3</sup> )	7.4m	2.13m	2.27m	2.57m
RC16HS Extra	1.22m	19.86(m <sup>3</sup> )	7.4m	2.13m	2.27m	2.64m
RC18HS Plus	1.15m	21.00(m <sup>3</sup> )	8.4m	2.13m	2.27m	2.57m
RC18HS Extra	1.22m	22.50(m <sup>3</sup> )	8.4m	2.13m	2.27m	2.64m

## RC14

Rootcrop Trailers	RC14HS PLUS	RC14HS EXTRA
420 x 180 Brakes	STD	STD
Torque Arm Suspension - 100mm 2 Leaf	STD	STD
Body Height 1.15m (3'9")	STD	N/A
Body Height 1.22m (4')	N/A	STD
Air or Hydraulic brakes with LV	STD	STD
Dual Brakes - Air and Hydraulic with LSV	Optional	Optional
ABS on Air Brakes	Optional	Optional
Auto Slack Adjusters	Optional	Optional
Tailboard Plunger Valve	STD	STD
High Apex Arched Window	STD	STD
Grain Chute	STD	STD
Mudguards	STD	STD
LED Beacon	STD	STD
Tailboard Lights	STD	STD
Number Plate Holder	STD	STD
Wheel Nut Indicators	STD	STD
365/65R22.5 Remould	Optional	Optional
560/60R - 22.5 BKT Ridemax FL693M 165D	STD	STD
Roll Over Sheet	Optional	Optional
Hydraulic Roll over Sheet - Side to Side	Optional	Optional
Hydraulic Lift Over Sheet - Side to Side	Optional	Optional

## RC16

Rootcrop Trailers	RC16HS PLUS	RC16HS EXTRA
420 x 180 Brakes	STD	STD
Torque Arm Suspension - 100mm 2 Leaf	STD	STD
Body Height 1.15m (3'9")	STD	N/A
Body Height 1.22m (4')	N/A	STD
Air or Hydraulic brakes with LV	STD	STD
Dual Brakes - Air and Hydraulic with LSV	Optional	Optional
ABS on Air Brakes	Optional	Optional
Auto Slack Adjusters	Optional	Optional
Tailboard Plunger Valve	STD	STD
High Apex Arched Window	STD	STD
Grain Chute	STD	STD
Mudguards	STD	STD
LED Beacon	STD	STD
Tailboard Lights	STD	STD
Number Plate Holder	STD	STD
Wheel Nut Indicators	STD	STD
365/65R22.5 Remould	Optional	Optional
560/60R - 22.5 BKT Ridemax FL693M 165D	STD	STD
Roll Over Sheet	Optional	Optional
Hydraulic Roll over Sheet - Side to Side	Optional	Optional
Hydraulic Lift Over Sheet - Side to Side	Optional	Optional

### Optional Equipment

- For optional equipment see page 21



# RC18

Rootcrop Trailers	RC18HS PLUS	RC18HS EXTRA
420 x 180 Brakes	STD	STD
Torque Arm Suspension - 100mm 2 Leaf	STD	STD
Body Height 1.15m (3'9")	STD	N/A
Body Height 1.22m (4')	N/A	STD
Air or Hydraulic brakes with LV	STD	STD
Dual Brakes - Air and Hydraulic with LSV	Optional	Optional
ABS on Air Brakes	Optional	Optional
Auto Slack Adjusters	Optional	Optional
Tailboard Plunger Valve	STD	STD
High Apex Arched Window	STD	STD
Grain Chute	STD	STD
Mudguards	STD	STD
LED Beacon	STD	STD
Tailboard Lights	STD	STD
Number Plate Holder	STD	STD
Wheel Nut Indicators	STD	STD
365/65R22.5 Remould	Optional	Optional
600/55R26.5 BKT Ridemax FL693M 177D	STD	STD
Roll Over Sheet	Optional	Optional
Hydraulic Roll over Sheet - Side to Side	Optional	Optional
Hydraulic Lift Over Sheet - Side to Side	Optional	Optional



## Optional Equipment

- For optional equipment see [page 21](#)

Model shown includes optional equipment at extra cost



# Beet Wellington Trailers

**Monocoque body 60-degree tipping trailers. Available in 16-20 tonne models.**

The Wellington Trailer is a heavy duty monocoque trailer built to the highest specification using commercial axles and suspension units. The Wellington range features a 60-degree tipping angle and a heavy duty double acting hydraulic levelling tailgate with 9'0" clearance, making it the ideal choice for beet heaping.

## STANDARD FEATURES:

- Monocoque tapered body 4mm floor, 4mm sides
- 60-degree tipping body
- 9' clearance double acting hydraulic levelling
- 10 stud commercial axles with 420mm x 180mm or 420mm x 220mm
- Tailgate with rubber seal, auto lock
- Steel mudguards with mudflaps
- Inspection ladder
- Air or Hydraulic brakes with LSV
- Lights in heavy duty bracket
- Heavy duty sprung drawbar
- Arched front window with Perspex panel
- Rear tow out points
- Heavy duty 8mm or 10mm formed chassis rails
- Tipping ram Tenifer coated 6 stage single cylinder with ¾ hydraulic tipping
- LED road lights, tailboard lights with indication ballast and protective covers, side/front markers, flashing beacon

Model shown includes optional equipment at extra cost



Wellington Trailer Model	Grain Capacity	Silage Capacity	Body Length	Body Height	Front Width	Rear Width
<b>BWT16</b>	20.18(m <sup>3</sup> )	33.58(m <sup>3</sup> )	6.78m	1.37m	2.13m	2.27m
<b>BWT18</b>	22.29(m <sup>3</sup> )	36.31(m <sup>3</sup> )	6.78m	1.52m	2.13m	2.27m
<b>BWT20</b>	24.40(m <sup>3</sup> )	39.74(m <sup>3</sup> )	7.40m	1.52m	2.13m	2.27m

## BWT

Beet Wellington Trailers	BWT16	BWT18	BWT20
<b>420 x 180 Brakes</b>	STD	STD	N/A
<b>420 x 220 Brakes 150mm Beam</b>	N/A	N/A	STD
<b>Torque Arm Suspension - 100mm 2 Leaf</b>	STD	STD	N/A
<b>3 Leaf 100mm wide Torque Arm Suspension</b>	Optional	Optional	STD
<b>Passive Rear Steering Axle</b>	Optional	Optional	Optional
<b>Dual brakes - Air and Hydraulic with LSV</b>	Optional	Optional	Optional
<b>Air or Hydraulic brakes with LSV</b>	STD	STD	STD
<b>ABS on Air Brakes</b>	Optional	Optional	Optional
<b>Auto Slack Adjusters</b>	Optional	Optional	Optional
<b>Tailboard Plunger Valve</b>	STD	STD	STD
<b>Arched Window</b>	STD	STD	STD
<b>Grain Chute</b>	Optional	Optional	Optional
<b>Mudguards</b>	STD	STD	STD
<b>LED Beacon</b>	STD	STD	STD
<b>Tailboard Lights</b>	STD	STD	STD
<b>Rear Tow out Points</b>	STD	STD	STD
<b>Number Plate Holder</b>	STD	STD	STD
<b>Wheel Nut Indicators</b>	STD	STD	STD
<b>560/60R - 22.5 BKT Ridemax FL693M 165D</b>	STD	STD	N/A
<b>600/55R26.5 BKT Ridemax FL693M 177D</b>	Optional	Optional	Optional
<b>650/55R26.5 BKT Ridemax 178D</b>	Optional	Optional	STD
<b>Silages Sides Type A or B - See page 20</b>	Optional	Optional	Optional
<b>Roll Over Sheet</b>	Optional	Optional	Optional
<b>Hydraulic Roll over sheet - Side to Side</b>	Optional	Optional	Optional
<b>Hydraulic Lift Over Sheet - Side to Side</b>	Optional	Optional	Optional



## Optional Equipment

- For optional equipment see [page 21](#)

## Type A Silage kit



## Silage Sides

SILAGE SIDES CAN BE ORDERED AS EITHER TYPE A OR TYPE B

### Type A Silage kit:

- 900mm Deep Front Mesh
- 1200mm Deep Tailgate complete with side mini deflector
- 900mm Deep Sides Complete with L/R Full Deflector Board

### Type B Silage kit:

- 900mm Deep Front Mesh
- 900mm Deep Tailgate
- 900mm Deep Sides Complete with L/R Full Deflector Board

### Optional Equipment:

- Deflector Board Extra for Type A & B
- Tailgate Deflector for Type B complete with mini deflector
- Folding Front Mesh Manual
- Folding Front Mesh Hydraulic
- Quick Release Silage system

**Note:** If Silage kit is ordered separately from the trailer there will be a packaging and delivery charge.



## Type B Silage kit

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## Optional Equipment

### TOWING EYES

- Weld on Swivel Eye
- 8 Bolt flange bolt-on 50mm Eye
- 8 Bolt flange bolt-on Swivel Eye
- 8 Bolt flange bolt-on K80 Spoon
- 8 Bolt flange bolt-on Swivel Ball for Clevis CAT3/CAT4
- Rear tow out points

### SHEETING SYSTEMS

- Powered roll over sheet (Headboard mounted)
- Hydraulic Lift Over Sheet – Side to Side

### WEIGHTING SYSTEMS

- Load cell weighing equipment C/W 6 load cells and trailer mounted display
- Handheld display for weighing equipment
- Hydraulic pressure load electric Indicator kit

### TAILBOARDS

- Grain Sock
- Hydraulic Folding Auger

### EXTRA

- High Vis Conspicuity Tape
- Front mud flaps
- 6mm floor & 4mm sides
- Plastic Toolbox
- Rear Drawbar c/w Brakes and electrics
- LED Work Lights complete with pressure switch from tip circuit (per pair)

### AXLE & SUSPENSION OPTIONS

- 2.2m axle track 2 of fixed (outrigger chassis)
- 2.2m axle track 1 of fixed, 1 of steer(outrigger chassis)
- Hydraulic Suspension
- Air Suspension
- Auto Slack Adjusters per axle
- ABS on Air Brakes
- Rear steering axle with narrow chassis outrigger
- 2 x Spring Brakes for Tandem Air
- 4 x Spring Brakes for Tri Axle Air

### ROLL OVER & SILAGE KITS

Ordering additional Silage or Roll Over kits separately – There will be an additional packaging and delivery charge.

### PAINT OPTIONS

Standard Colour: Richard Western Yellow

### OTHER COLOURS:

- Gunmetal Grey, JD Green, Case Red, MF Red, New Holland Blue, Claas Green
- Customers own custom colour
- Two Tone Painting

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# Stone and Rubble Trailer

## STANDARD FEATURES

- Hydraulic or air brakes with LSV
- Front Inspection Ladder
- LED road lights with indication ballast and protective covers, side/front markers
- Rubber shock absorber pads between trailer body and chassis
- Tipping ram Tenifer coated 6 stage single cylinder with ¾ hydraulic tipping hose
- Heavy Duty 100mm wide 2 or 3 leaf suspension – 32t running gear
- 10 stud commercial axles, 420 x 180 or 420 x 220 Brakes, 150mm beam, 2m track
- Sprung drawbar height adjustable heavy-duty towing eye 13 leaf HD spring
- 8mm Floor & 6mm Sides

Stone & Rubble Trailer Model	Volume/ Capacity	Body Length	Body Height	Front Width	Rear Width
<b>SRT20</b>	12.44(m <sup>3</sup> )	5.02m	1.15m	2.13m	2.27m
<b>SRT24</b>	14.67(m <sup>3</sup> )	5.86m	1.15m	2.13m	2.27m



## Optional Equipment

- 10mm Floor 8mm sides
- Hardox 450 floor and sides
- 400mm Extension sides
- 900mm Trailer side height in lieu of the 1150mm height
- Rear tow out points
- Plastic Toolbox
- Powered Roll over (Headboard mounted)
- LED work lights complete with pressure switch From tip circuit
- 8 bolt flange bolt-on 50mm eye
- 8 bolt flange bolt-on swivel eye or K80 spoon
- Weld on swivel eye
- Load cell weighing equipment c/w 4 load cells
- Hydraulic pressure load electric indicator kit



Model shown includes optional equipment at extra cost

## SRT

Stone and Rubble Trailer	SRT20	SRT20 PLUS	SRT24 PLUS
<b>420 x 180 Brakes</b>	STD	STD	N/A
<b>420 x 220 Brakes</b>	N/A	N/A	STD
<b>Torque Arm Suspension - 100mm 2 Leaf</b>	STD	STD	N/A
<b>Torque Arm Suspension -100mm 3 Leaf</b>	N/A	N/A	STD
<b>Air or Hydraulic brakes with LSV</b>	STD	STD	STD
<b>Dual brakes - Air and Hydraulic with LSV</b>	Optional	Optional	Optional
<b>ABS on Air Brakes</b>	Optional	Optional	Optional
<b>Auto Slack Adjusters</b>	Optional	Optional	Optional
<b>Tailboard Plunger Valve</b>	STD	STD	STD
<b>Heavy Duty Mudguards</b>	Optional	STD	STD
<b>LED Beacon</b>	Optional	STD	STD
<b>Tailboard Mounted Lights</b>	STD	STD	STD
<b>Number Plate Holder</b>	Optional	STD	STD
<b>Wheel Nut Indicators</b>	Optional	STD	STD
<b>365/65R22.5 Remould</b>	STD	N/A	N/A
<b>560/60R22.5 169D</b>	Optional	FOC	N/A
<b>445/65R22.5 New Road Pattern 170D</b>	Optional	FOC	FOC
<b>600/55R26.5 BKT Ridemax FL693M 177D</b>	Optional	STD	Optional
<b>650/55R26.5 BKT Ridemax 178D</b>	N/A	N/A	STD

# Multi Purpose Trailer

Multi Purpose Trailer	Volume/ Capacity -Grain	Volume/ Capacity - Silage	Body Length	Body Height	Front Width	Rear Width	Tip Height - Grain	Grain top rail height (on 560/60R22.5 wheels) MP18
MP18	17.71(m³)	29.58(m³)	5.85m	1.37m	2.13m	2.27m	7.05m	2.78m

## MP18

Multi Purpose Trailer	MP18 PLUS
420 x 180 Brakes 127mm Beam	STD
100mm 2 Leaf Spring Torque Arm Suspension	STD
Air or Hydraulic brakes load sensing	STD
Dual Brakes Air & Hydraulic with Load Sensing	Optional
Hardox Body	STD
ABS Air Brakes complete with Load Sensing	Optional
Auto Slack Adjusters	Optional
Tailboard Plunger Valve	STD
Small Perspex Window	Optional
Grain Chute	Optional
Mudguards	STD
Side Lights	STD
LED Beacon	STD
Tailboard Lights	STD
Swinging Rear Lights Lifting with Body	STD
Number Plate Holder	STD
Wheel Nut Indicators	STD
8 Bolt on Flange Hitch	STD
560/60R - 22.5 BKT Ridemax FL693M 165D	STD
560/60R22.5 169D - <b>Recommended</b>	Optional
600/55R26.5 BKT Ridemax FL693M 177D - <b>Highly Recommended</b>	Optional
Silage Sides Type A or B - See page 20	Optional



Model shown is an illustration

# Bale and Pallet Trailers

The Richard Western bale and pallet trailer range has a chassis constructed from 6mm formed steel section with a 4.5mm steel plate platform. Formed Integral chassis giving a ridged load area.



## STANDARD FEATURES

- 4.5mm chequered plate floor
- 2' headboard
- Air or Hydraulic brakes with LSV
- LED road lights with indication ballast and protective covers, side/front markers
- Sprung drawbar
- Strap box
- Rope hooks

Model shown includes optional equipment at extra cost



# BTTA16

Bale and Pallet Trailer	BTTA16/25HS	BTTA16/28HS
420 x 180 Brakes	STD	STD
Tandem axles	STD	STD
Torque Arm Suspension	STD	STD
Air or Hydraulic Brakes with LSV	STD	STD
LED Beacon	Optional	Optional
Dual Brakes - Air & Hydraulic with LSV	Optional	Optional
ABS on Air Brakes	Optional	Optional
Auto Slack Adjusters	Optional	Optional
385/65R22.5 Remould	STD	STD
445/45R19.5 Longmarch LM358 164E	Optional	Optional
560/45R - 22.5 BKT Ridemax FL693M E 152D	Optional	Optional
560/60R - 22.5 BKT Ridemax FL693M 165D	Optional	Optional

# BTTA16

Bale and Pallet Trailer	BTTA16/30HS	BTTA16/32HS	BTTA16/34HS	BTTA16/38HS
420 x 180 Brakes	STD	STD	STD	STD
Tandem axle	STD	STD	STD	STD
Torque Arm Suspension	STD	STD	STD	STD
Air or Hydraulic Brakes with LSV	STD	STD	STD	STD
LED Beacon	Optional	Optional	Optional	Optional
Dual Brakes - Air & Hydraulic Brakes with LSV	Optional	Optional	Optional	Optional
ABS on Air Brakes	Optional	Optional	Optional	Optional
Auto Slack Adjusters	Optional	Optional	Optional	Optional
385/65R22.5 Remould	STD	STD	STD	STD
445/45R19.5 Longmarch LM358 164E	Optional	Optional	Optional	Optional
560/45R - 22.5 BKT Ridemax FL693M E 152D	Optional	Optional	Optional	Optional
560/60R - 22.5 BKT Ridemax FL693M 165D	Optional	Optional	Optional	Optional

### Optional Equipment

- Front Bale Ladders
- Rear Bale Ladder & T-Bar
- Rear T-Bar only
- Additional length per foot
- Raised edges
- Hydraulic Drop side walkway per side
- Hydraulic box pusher
- Roll over Sheeting System
- Safe lock bale clamping system for 3 x 900mm bales
- Safe lock bale clamping system for 3 x 1200mm/4 x 900mm bales
- Turn table 2 axles
- Turn table 3 axles
- Rear steering axle



	BTTA16/25	BTTA16/28	BTTA16/30	BTTA16/32	BTTA16/34	BTTA16/38
Carrying capacity	16 tonnes	16 tonnes	16 tonnes	16 tonnes	16 tonnes	16 tonnes
Body length	7.62m	8.50m	9.30m	9.91m	10.36m	11.58m
Body width	2.50m	2.50m	2.50m	2.50m	2.50m	2.50m
Platform height: 385/65R22.5 wheels	1.18m	1.18m	1.18m	1.18m	1.18m	1.18m
Platform height: 445/45R19.5 wheels	1.03m	1.03m	1.03m	1.03m	1.03m	1.03m
Platform height: 560/45R22.5 Wheels	1.18m	1.18m	1.18m	1.18m	1.18m	1.18m
Platform height: 560/60R22.5 Wheels	1.44m	1.44m	1.44m	1.44m	1.44m	1.44m
Ladder height	1.93m	1.93m	1.93m	1.93m	1.93m	1.93m
Axle from rear	2.56m	2.87m	3.07m	3.27m	3.38m	3.86m
Axle track	2.00m	2.00m	2.00m	2.00m	2.00m	2.00m
Number of axles	2	2	2	2	2	2

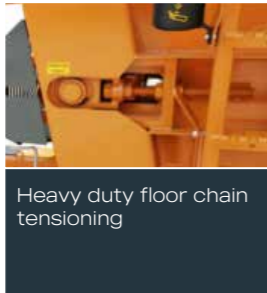


# Delilah Manure Spreader DV Series

## Delilah Vertical Beater manure Spreaders

The DV series models are constructed with 6mm floor panels and 4mm side panels. The floor is hydraulically driven with two chains and a single floor slat. 16mm floor chains are used up to and including DV175 with 65mm rear floor shaft. 20mm floor chains and larger slats on the HD machines with 80mm rear floor shaft. The body is 1550mm wide with a flared top to create a wider top area for easy loading and less spillage. Rotors are 890mm diameter on the DV175 and below 1100mm diameter on the HD Models. With large diameter rotors and a high tip speed the Delilah DV series spreaders offer wide spreading width and excellent shredding on a wide range of manures, composts, and sludges.

### Standard Features For Delilah Spreaders



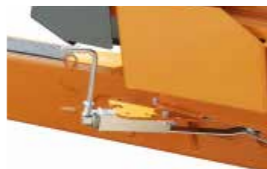
Heavy duty floor chain tensioning



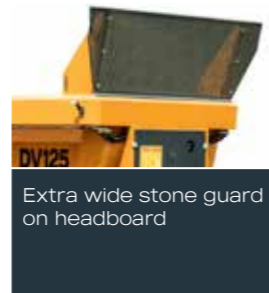
2 heavy-duty floor chains with individual tensioning, 16mm or 20mm, floor slats every 5 links



1.7m or 2.0m wide rotor spreading deck depending on model



Hydraulic brakes & handbrake



Extra wide stone guard on headboard



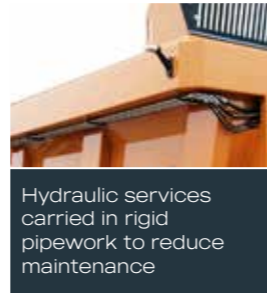
Made out of heat treated BORON 10mm steel continuous spiral rotors for maximum shredding and spreading, choice of 890mm or 1100mm rotors



Disc rotor base with three blades on 1100mm rotors



Automatic light protectors with slurry door option



Hydraulic services carried in rigid pipework to reduce maintenance



65mm or 80mm floor drive shaft with 7 tooth self-cleaning sprockets



High tip speed give you wide spreading width and excellent shredding on a range of manure, composts and sludges. Tips are made out of heat treated BORON Steel to increase service life and strength.



## DV080-DV100-DV120 - Short Chassis

Delilah Manure Spreader	DV080	DV100	DV120
Previous Model Name	D4070	D4080	D4100 Compact
Fixed Drawbar	STD	STD	STD
420 x 180 Brakes	STD	STD	STD
Wide Angled PTO	STD	STD	STD
Number of Axles	1	1	1
Floor Chains	2x16mm	2x16mm	2x16mm
Floor Drive Shaft	65mm	65mm	65mm
Rotor Diameter	890mm	890mm	890mm
Axle Track	2.30m	2.30m	2.30m
18.4 x 34 wheels	STD	STD	N/A
580/70R38	Optional	Optional	STD



Model shown includes optional equipment at extra cost

## DV110-DV125-DV145 Medium Chassis

Delilah Manure Spreader	DV110	DV125	DV145
Previous Model Name	D4095	D4100	D4120 Compact
Fixed Drawbar	STD	STD	STD
420 x 180 Brakes	STD	STD	STD
Wide angled PTO	STD	STD	STD
Number of Axles	1	1	1
Floor Chains	2x16mm	2x16mm	2x16mm
Floor Drive Shaft	65mm	65mm	65mm
Rotor Diameter	890mm	890mm	890mm
Axle Track	2.30m	2.30m	2.30m
23.1-26 Wheels	STD	N/A	N/A
580/70R38	Optional	STD	STD
650/65R38 Option	Optional	Optional	Optional

## DV130-DV150-DV175 Long Chassis

Delilah Manure Spreader	DV130	DV150	DV175
Previous Model Name		D4120	D4140
Fixed Drawbar	STD	STD	STD
420 x 180 Brakes	STD	STD	STD
Wide angled PTO	STD	STD	STD
Number of Axles	1	1	1
Floor Chains	2x16mm	2x16mm	2x16mm
Floor Drive Shaft	65mm	65mm </td <td>65mm</td>	65mm
Rotor Diameter	890mm	890mm	890mm
Axle Track	2.30m	2.30m	2.30m
580/70R38	Optional	STD	STD
650/65R38 Option	Optional	Optional	Optional

## DV150HD-DV175HD

Delilah Manure Spreader	DV150HD	DV175HD
Previous Model Name	D4130	D4150
Sprung Drawbar	STD	STD
420 x 220 Brakes	STD	STD
Wide angled PTO	STD	STD
Number of Axles	1	1
Floor Chains	2x20mm	2x20mm
Floor Drive Shaft	80mm	80mm
Rotor Diameter	1110mm	1100mm
Axle Track	2.30m	2.30m
580/70R38	STD	STD
650/65R38	Optional	Optional
710/70R38	Optional	Optional

### Optional Equipment

- For optional equipment see page 31



### Optional Equipment

- Lift off canopy (Models DV080 - DV175)
- Hydraulic slurry door
- Sprung drawbar
- Rear drawbar c/w hydraulic brakes & electrics
- Hydraulic folding canopy door (Models DV150HD & DV175HD)
- Mudguards
- Hydraulic floor tensioning
- Air brakes
- Weighing equipment with display mounted on the spreader 4 weigh cells

### Optional Equipment for weighing and spreader controls

- Griffith Elder load cell weighing and constant application rate control
- ISOBUS spreader monitoring and control equipment c/w with weigh cells  
To operate the above equipment one of the following is required, tractor complete with ISOBUS control suitable for the spreader operation or:
- ISOBUS harness to connect the spreader to one of the following displays
- Topcon Apollo X25 display screen and control box for rate control
- Topcon Apollo X35 display screen and control box for rate control and mapping



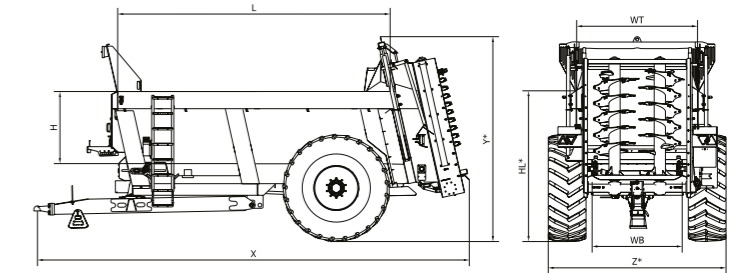
Model shown includes optional equipment at extra cost



# Delilah DV Series Specification

## Optional Equipment

- For optional equipment see page 31



New Model Name	DV080		DV100		DV120		DV110		DV125		DV145		DV130		DV150		DV175		DV150HD		DV175HD			
Previous Model Name			D4080		D4100 COMPACT		D4095		D4100		D4120 Compact				D4120		D4140		D4130		D4150			
Chassis Size	Short		Short		Short		Medium		Medium		Medium		Long		Long		Long		Long HD		Long HD			
Heap volume (m <sup>3</sup> / cu ft)	2.3 / 81		2.3 / 81		2.3 / 81		2.9 / 102		3 / 106		3 / 106		3.6 / 127		3.6 / 127		3.6 / 127		3.6 / 127		3.6 / 127			
Level fill (m <sup>3</sup> / cu ft)	6.1 / 215		7.6 / 268		9.8 / 346		7.8 / 275		9.6 / 339		11.5 / 406		9.4 / 332		11.6 / 410		13.7 / 484		11.6 / 410		13.7 / 484			
Internal dimensions and volumes measured with slurry door																								
Heaped fill (m <sup>3</sup> / cu ft) to slurry gate (Europe)	8.4	297	9.9	350	12.1	427	10.7	378	12.6	445	14.5	512	13.0	459	15.2	537	17.3	611	15.2	537	17.3	611		
Heaped fill (m <sup>3</sup> / cu ft) to centre of Rotors (UK)	9.7	343	11.5	406	14.1	498	11.3	399	13.8	487	15.9	562	14.1	498	16.5	583	18.8	664	16.6	586	19.1	675		
Axle Carrying capacity (kg)	14,000		14,000		14,000		14,000		14,000		16,200		16,200		16,200		16,200		16,200		16,200			
Axle beam (mm / inch)	150x150x15	6x6x <sup>19</sup> / <sub>32</sub> "	150x150x15	6x6x <sup>19</sup> / <sub>32</sub> "	150x150x15	6x6x <sup>19</sup> / <sub>32</sub> "	150x150x15	6x6x <sup>19</sup> / <sub>32</sub> "	150x150x15	6x6x <sup>19</sup> / <sub>32</sub> "	150x150x16	6x6x <sup>5</sup> / <sub>8</sub> "	150x150x16	6x6x <sup>5</sup> / <sub>8</sub> "	150x150x16	6x6x <sup>5</sup> / <sub>8</sub> "	150x150x16	6x6x <sup>5</sup> / <sub>8</sub> "	150x150x16	6x6x <sup>5</sup> / <sub>8</sub> "	150x150x16	6x6x <sup>5</sup> / <sub>8</sub> "		
Brake size (ØxW, mm / inch)	420x180	16.53x7.08"	420x180	16.53x7.08"	420x180	16.53x7.08"	420x180	16.53x7.08"	420x180	16.53x7.08"	420x220	16.53x8.66"	420x220	16.53x8.66"	420x220	16.53x8.66"	420x220	16.53x8.66"	420x220	16.53x8.66"	420x220	16.53x8.66"		
Standard tyre size	23.1x26		23.1x26		580/70R38		23.1x26		580/70R38		580/70R38		580/70R38		580/70R38		580/70R38		580/70R38		580/70R38			
Rotor Ø (mm / inch)	890	35.03"	890	35.03"	890	35.03"	890	35.03"	890	35.03"	890	35.03"	890	35.03"	890	35.03"	890	35.03"	890	35.03"	1100	43.30"	1100	43.30"
Floor chains (qty x Ø, mm / inch)	2 x 16mm	2 x <sup>5</sup> / <sub>8</sub> "	2 x 16mm	2 x <sup>5</sup> / <sub>8</sub> "	2 X 16mm	2 x <sup>5</sup> / <sub>8</sub> "	2 x 16mm	2 x <sup>5</sup> / <sub>8</sub> "	2 x 16mm	2 x <sup>5</sup> / <sub>8</sub> "	2 X 16mm	2 x <sup>5</sup> / <sub>8</sub> "	2 x 16mm	2 x <sup>5</sup> / <sub>8</sub> "	2 x 16mm	2 x <sup>5</sup> / <sub>8</sub> "	2 x 16mm	2 x <sup>5</sup> / <sub>8</sub> "	2 x 20mm	2 x <sup>5</sup> / <sub>8</sub> "	2 x 20mm	2 x <sup>5</sup> / <sub>8</sub> "		
Floor driveshaft Ø (mm / inch)	65	2 <sup>9</sup> / <sub>16</sub>	65	2 <sup>9</sup> / <sub>16</sub>	65	2 <sup>9</sup> / <sub>16</sub>	65	2 <sup>9</sup> / <sub>16</sub>	65	2 <sup>9</sup> / <sub>16</sub>	65	2 <sup>9</sup> / <sub>16</sub>	65	2 <sup>9</sup> / <sub>16</sub>	65	2 <sup>9</sup> / <sub>16</sub>	65	2 <sup>9</sup> / <sub>16</sub>	65	2 <sup>9</sup> / <sub>16</sub>	80	3 <sup>5</sup> / <sub>32</sub>	80	3 <sup>5</sup> / <sub>32</sub>
Power requirement (hp)	80		95		125		105		125		150		150		150		160		170		180			
PTO speed (rpm)	1000		1000		1000		1000		1000		1000		1000		1000		1000		1000		1000			
Tare weight (kg)	4,895		4,895		4,995		5,530		5,630		5,730		6,120		6,120		6,220		6,120		6,500			
Floor drive torque (Nm)	5000		5000		5000		5000		5000		6500		6500		6500		10000		6500		10000			
<b>DIMENSIONS</b>	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)		
X, Overall length (mm / inch)	6,430	253"	6,430	253"	6,430	253"	7,475	294"	7,475	294"	7,475	294"	8,475	334"	8,475	334"	8,475	334"	8,475	334"	8,475	334"		
Y*, Overall height (mm / inch)	3,313	130"	3,313	130"	3,433	135"	3,020	119"	3,433	135"	3,637	143"	3,020	119"	3,433	135"	3,637	143"	3,433	135"	3,637	143"		
Z*, Overall width (mm / inch)	2,995	118"	2,995	118"	2,995	118"	2,995	118"	2,995	118"	2,995	118"	2,995	118"	2,995	118"	2,995	118"	2,995	118"	2,995	118"		
L, Interior length (mm / inch)	3,700	146"	3,700	146"	3,700	146"	4,700	185"	4,700	185"	4,700	185"	5,700	224"	5,700	224"	5,700	224"	5,700	224"	5,700	224"		
L <sub>r</sub> , Interior length to rotor centre (mm / inch)	4,324	170"	4,271	168"	4,271	168"	5,267	207"	5,214	205"	5,270	207"	6,163	243"	6,216	245"	6,216	245"	6,265	247"	6,321	249"		
W <sub>B</sub> , Interior width at bottom (mm / inch)	1,550	61"	1,550	61"	1,550	61"	1,550	61"	1,550	61"	1,550	61"	1,550	61"	1,550	61"	1,550	61"	1,550	61"	1,550	61"		
W <sub>T</sub> , Interior width at top - loading width (mm / inch)	2,125	84"	2,125	84"	2,125	84"	2,125	84"	2,125	84"	2,125	84"	2,125	84"	2,125	84"	2,125	84"	2,125	84"	2,125	84"		
H, Interior height (mm / inch)	1,000	39"	1,250	49"	1,500	59"	1,000	39"	1,250	49"	1,500	59"	1,000	39"	1,250	49"	1,500	59"	1,250	49"	1,500	59"		
H <sub>L</sub> *, Loading height (mm / inch)	2,200	87"	2,450	96"	2,820	111"	2,200	87"	2,570	101"	2,820	111"	2,320	91"	2,570	101"	2,820	111"	2,570	101"	2,820	111"		
X <sub>t</sub> Towing Eye to centre of Axle (mm / inch)	4,280	169"	4,280	169"	4,280	169"	5,124	202"	5,124	202"	5,124	202"	5,943	234"	5,943	234"	5,943	234"	5,943	234"	5,943	234"		

\* Dimension dependent on tyre sizing (580/70R38 shown)

# Delilah Manure Spreader DS Series

## Delilah Spinning Disc Manure Spreaders

Sharing the same body design features as the DS series machines the Delilah DS series models are equipped with twin horizontal beaters and spinning discs. The discs have 6,3 or 2 blade configurations with blade angle adjustment for accurate spreading control. Close spaced floor slats and adjustable floor speed control ensure a constant delivery at low application rates. The machines are equipped with a hydraulically operated slurry door, full opening rear canopy, adjustable lower door section.

### Standard features:

- Hydraulic Slurry Door
- Variable speed hydraulic floor drive
- Hydraulic full opening rear canopy
- Adjustable lower canopy section
- Wide angled PTO shaft with shear bolt protection and rattle clutch
- Sprung drawbar

See page 31 for optional equipment



## DS150HD-DS175HD

Delilah Manure Spreader	DS150HD	DS175HD
Previous Model Name	D5130	D5150
Slurry Door	STD	STD
Wide Angled PTO	STD	STD
Greedy Boards	Optional	Optional
Sprung Drawbar	STD	STD
Mudguards	Optional	STD
Air Brakes	Optional	Optional
Hydraulic Floor Tensioning	Optional	Optional
Rear Drawbar c/w Hyd Brakes & Electrics	Optional	Optional
580/70R38	STD	STD
650/65R38 Option	Optional	Optional
710/70R38	Optional	Optional
Headland Limiter	Optional	Optional

### Trouble-free running

We use the heavy-duty bearings, bearing assemblies and bushings with easy access grease points, so your Delilah keeps working with minimal down time.

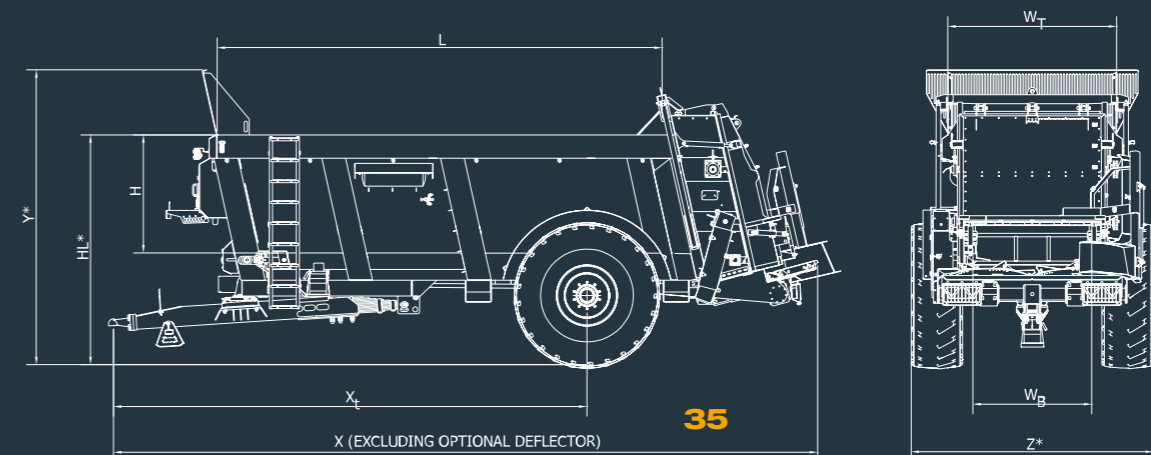


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# Delilah DS Series Specification

New Model Name	DS150HD		DS175HD	
Previous Model Name	D5130		D5150	
Chassis Size	Long		Long	
Heap volume (m <sup>3</sup> / cu ft)	3.6 / 127		3.6 / 127	
Level fill (m <sup>3</sup> / cu ft)	11.6 / 410		13.7 / 484	
Internal dimensions and volumes measured with slurry door				
Heaped fill (m <sup>3</sup> / cu ft) to slurry gate (Europe)	15.2	537	17.3	611
Axle Carrying capacity (kg)	16,200		16,200	
Axle beam (mm / inch)	150x150x16	6x6x 5/8"	150x150x16	6x6x 5/8"
Brake size (ØxW, mm / inch)	420x220	16.53x8.66"	420x220	16.53x8.66"
Standard tyre size	580/70R38		580/70R38	
Rotor Ø (mm / inch)	1100	43.30"	1100	43.30"
Floor chains (qty x Ø, mm / inch)	2 x 20mm	2 x 25/32"	2 x 20mm	2 x 25/32"
Floor driveshaft Ø (mm / inch)	80	3 5/32"	80	3 5/32"
Power requirement (hp)	150		180	
PTO speed (rpm)	1000		1000	
Tare weight (kg)	6,120		6,500	
Floor drive torque (Nm)	6500		10000	
<b>DIMENSIONS</b>	<b>(mm)</b>	<b>(in)</b>	<b>(mm)</b>	<b>(in)</b>
X, Overall length (mm / inch)	8,475	334"	8,475	334"
Y*, Overall height (mm / inch)	3,433	135"	3,637	143"
Z*, Overall width (mm / inch)	2,995	118"	2,995	118"
L, Interior length (mm / inch)	5,700	224"	5,700	224"
W <sub>B</sub> , Interior width at bottom (mm / inch)	1,550	61"	1,550	61"
W <sub>T</sub> , Interior width at top - loading width (mm / inch)	2,125	84"	2,125	84"
H, Interior height (mm / inch)	1,250	49"	1,500	59"
H <sub>L</sub> *, Loading height (mm / inch)	2,570	101"	2,820	111"
X <sub>t</sub> Towing Eye to centre of Axle (mm / inch)	5,943	234"	5,943	234"

\* Dimension dependent on tyre sizing (580/70R38 shown)



X (EXCLUDING OPTIONAL DEFLECTOR)

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# FBS Manure Spreaders

## STANDARD FEATURES

- Wide angle PTO with shear bolt protection
- Commercial axle 2.0m axle track
- Sprung Drawbar
- Robust construction 6mm floor & 4mm sides
- One-piece rotor gearbox unit
- Variable speed hydraulic floor drive, pressure protected with reverse function
- 4 Heavy duty bed chains (100 tonne breaking strain)
- 10mm thick sectional spiral auger beaters for maximum shredding and spreading up to 12 metres wide
- 60mm floor drive shaft with self-cleaning chain sprockets
- Reversible Boron rotor blades with break back stops
- Bolt on hitch
- LED road lights with indication ballast and protective covers front markers



Model shown includes optional equipment at extra cost

## FBS

FBS Manure Spreaders	FBS16 Vertical Beaters	FBS18 Vertical Beaters	FBS16 Horizontal beaters & Spinning Disc	FBS18 Horizontal beaters & Spinning Disc
<b>Sprung Drawbar</b>	STD	STD	STD	STD
<b>Hydraulic Slurry Door</b>	STD	STD	STD	STD
<b>420 x 180 Brakes</b>	STD	STD	STD	STD
<b>3 Leaf 100mm wide Torque Arm Suspension</b>	STD	STD	STD	STD
<b>Air or Hydraulic brakes with LSV</b>	STD	STD	STD	STD
<b>Mudguards</b>	STD	STD	STD	STD
<b>Dual brakes - Air and Hydraulic with LSV</b>	Optional	Optional	Optional	Optional
<b>560/60R - 22.5 BKT Ridemax FL693M 165D</b>	STD	N/A	STD	N/A
<b>650/55R26.5 BKT Ridemax 178D</b>	Optional	STD	Optional	STD
<b>Hydraulic Suspension with front lift axle - Recommended</b>	Optional	Optional	Optional	Optional



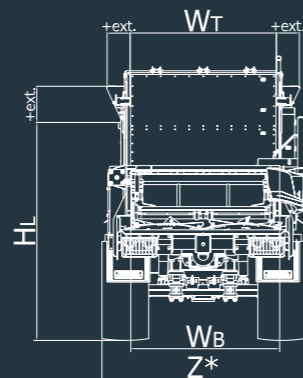
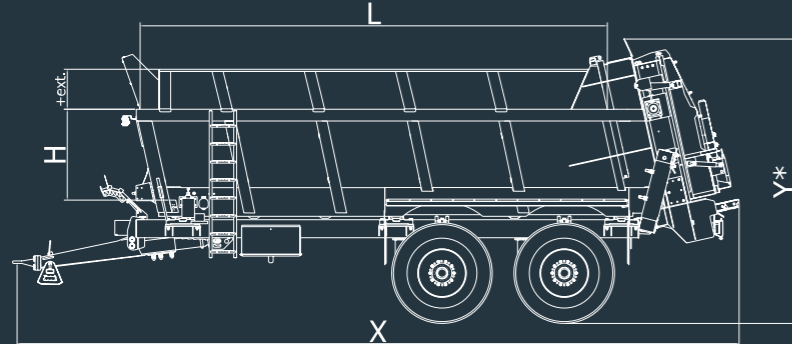
## Optional Equipment

- Hydraulic Slurry Door
- Flashing LED Beacon
- Greedy Boards
- Hydraulic floor tensioning
- 6 Load cell weighing and display
- Hydraulic folding canopy door
- Electric bed speed control (in lieu of manual control)
- Griffith Elder 6 cell weighing and constant application rate control
- ISOBUS spreader monitoring and control equipment c/w with weigh cells  
To operate the above equipment one of the following is required: Tractor complete with ISOBUS control suitable for the spreader operation or
- ISOBUS harness to connect the spreader to one of the following displays
- Topcon Apollo X25 display screen and control box for rate control
- Topcon Apollo X35 display screen and control box for rate control and mapping

# FBS Specification

Specifications	FBS16	FBS18
Heap volume (m <sup>3</sup> )	4.9	5.8
Level fill with extensions (m <sup>3</sup> )	6.6	7.8
Level fill (m <sup>3</sup> )	12.2	14.4
Internal dimensions and volumes measured with slurry door		
Heaped fill (m <sup>3</sup> )	15.8	18.6
Heaped fill w/ extensions (m <sup>3</sup> )	23.7	28.0
Carrying capacity (kg)	25,000	25,000
Axles (Qty x track/beam, mm)	2 x 2,000/ 150x150x12	2 x 2,000/ 150x150x12
Brake size (ØxW, mm)	420x180	420x180
Standard tyre size	560/60R22.5	560/60R22.5
Disc/rotor Ø (mm)	1100	1100
Floor chains (qty x Ø, mm)	4 x 14mm	4 x 14mm
Floor driveshaft Ø (mm)	60	60
Power requirement (hp)	220	250
PTO speed (rpm)	1000	1000
Tare weight (kg)	9,600	10,800
<b>DIMENSIONS</b>		
X, Overall length (mm)	9,150	10,040
Y*, Overall height (mm)	3,500	3,500
Z*, Overall width (mm)	2,600	2,600
L, Interior length (mm)	5,340	6,290
W <sub>B</sub> , Interior width at bottom (mm)	2,000	2,000
W <sub>T</sub> , Interior width at top - loading (std/ext, mm)	2,000/2,650	2,000/2,650
H, Interior height (std/ext, mm)	1,090/1,650	1,090/1,650
H <sub>L</sub> *, Loading height (std/ext, mm)	2,660/3,060	2,660/3,060

\* Dimension dependent on tyre sizing (560/60R22.5 shown)



# SDS Manure Spreaders

## STANDARD FEATURES:

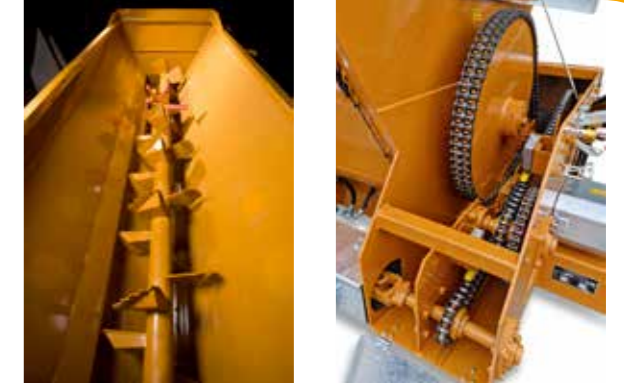
- 590mm diameter by 1500mm wide spreading rotor
- Reversible bolt on face plates on rotor and centre auger
- Double acting hydraulic side door
- Spring steel auger discharge paddle
- Heavy duty construction
- Up to 16 metres wide even spread
- RTA lights
- 15 tonne hydraulically braked axle - Tandem opt SDS24
- 3 stage reduction gearing
- Hydraulically operated stone trap
- LED road lights with indication ballast and protective covers front markers

A heavy duty chain drive is used to power the large diameter spreading rotor and the hydraulically operated guillotine type side door allows you to control application rates.

## Option of Hydraulic Version

Two 10000 Nm Hydraulic Motors are used to drive the internal floor auger and a rugged chain drive is used to power the large diameter spreading rotor. This is best suited to sand slurry lagoon spreading, as the auger can be run independently of the rotor. This helps keep semi solids suspended in the liquid.

A hydraulically operated guillotine type side door allows you to control application rates.



## Optional Equipment

- Flashing Beacon LED Beacon
- Rear Drawbar c/w hydraulic brakes & electrics
- Power flow auger (Anti-bridging)
- Wide angle PTO shaft
- Hydraulically driven main auger in lieu of chain driven main auger

## SDS SINGLE AXLE SDS MANURE SPREADERS

SDS Manure Spreaders	SDS16	SDS20	SDS24
420 x 180 Brakes 150mm Beam	STD	STD	STD
Hydraulic Brakes	STD	STD	STD
Air Brakes	Optional	Optional	Optional
23.1-26	STD	STD	N/A
580/70R38	N/A	Optional	STD
650/65R38	N/A	Optional	Optional
710/70R38	N/A	Optional	Optional

## SDS TANDEM AXLE SDS MANURE SPREADERS

SDS Manure Spreaders	SDS24T	SDS30T	SDS36T
420 x 180 Brakes	Optional	STD	STD
Torque Arm Suspension	STD	STD	STD
Hydraulic Brakes	STD	STD	STD
Air Brakes	Optional	Optional	Optional
560/60R - 22.5 BKT Ridemax FL693M 165D	STD	STD	STD
600/55R26.5 BKT Ridemax FL693M 177D	Optional	Optional	Optional
650/55R26.5 BKT Ridemax 178D	Optional	Optional	Optional

# Drill Filler

## DF8-12

Drill Fillers	DF8	DF10	DF10T	DF10T HS	DF12
Hydraulic Driven Unloading Auger	STD	STD	STD	STD	STD
Hydraulic Brakes	STD	STD	STD	STD	STD
Parking Brake	STD	STD	STD	STD	STD
Roll Over Waterproof Cover	STD	STD	STD	STD	STD
Ladder and Mesh Grid	STD	STD	STD	STD	STD
Tandem Axles	N/A	N/A	STD	STD	STD
400/60R15.5	N/A	N/A	STD	N/A	N/A
385/65R22.5	N/A	N/A	N/A	STD	STD
560/60R22.5	STD	STD	N/A	N/A	N/A



### OPTIONAL EQUIPMENT

- Flashing LED Beacon
- LED Work Lights
- Centre Divider
- Heavy Duty Mudguards
- Remote Control Complete with Spool Valve
- Extensions for DF10
- 1.5m Auger Extension

# GRS Grain Chaser Bins

### STANDARD FEATURES

- Longitudinal sprung drawbar (2 springs) with swivel eye or K80 spoon type, bolted with changing height.
- Air and hydraulic brakes with LSV
- Unloading auger with variable angle and direction control
- PTO driven horizontal and unload auger
- Wide angle PTO shaft (1000 RPM) (1 1/4" Z21 tractor side)
- Chain lubrication system
- Roll over sheet
- Perspex windows, inspection ladder and rear platform
- Metal mudguards with mud flaps
- LED road lights and reflectors, LED beacon, auger light
- Parking brake



Model shown includes optional equipment at extra cost

GRS Grain Chaser Bin Model	Capacity (m <sup>3</sup> )	Top Rail Height	Width with Wheels
GRS16 On 620/60R26.5 Wheels	20.00(m <sup>3</sup> )	3.45m	2.83m
GRS20 On 710/50R26.5 Wheels	25.00(m <sup>3</sup> )	3.88m	3.03m
GRS28 On 710/50R26.5 Wheels	38.50(m <sup>3</sup> )	4.13m	3.03m

## GRS16-28

Grain Chaser Bins	GRS16	GRS20	GRS28
620/60R26.5	STD	N/A	N/A
710/50R26.5	Optional	STD	STD
800/45R26.6	Optional	Optional	Optional
750/60R30.5	N/A	Optional	Optional
Axle Configuration	Tandem	Tandem	Tri Axle
Rear Steer	Optional	STD	STD
Front Steer Axle	N/A	N/A	STD
Air and hydraulic brakes with LSV	STD	STD	STD
Rear Platform	STD	STD	STD
Side Lights	STD	STD	STD
21 Spline PTO	STD	STD	STD
Top of unloading auger with changing angle (Hydraulic)	STD	STD	STD

### Optional Equipment

- 1000 speed PTO
- Bolted Scharmuller K80 spoon type
- Swivel Scharmulle towing eye Ø50mm
- Hydraulic Jack



## Specification Notes

Standard specification machines are designed to tow at speeds of 25mph. HS models are fitted with 10 stud commercial axle and 420mm x 180mm brakes.

ABS is recommended for all trailers travelling at speeds over 25mph.

All rigid drawbar heights are designed for pick up/drawbars of 16"-18" (420mm - 450mm).

All sprung drawbar options are adjustable for pick up/drawbars of 16"-22" (420mm-545mm).

Richard Western Ltd continues to make improvements to design and reserves the right to make changes to specification without prior notification.

### WARRANTY

Richard Western Ltd manufactured equipment carries a one-year warranty from date of delivery. Any defect that applies to workmanship of Richard Western Ltd will be repaired on site wherever possible, free of charge. If it is necessary for the machine to be returned to the factory the transport costs will be charged to the customer. This warranty excludes all wearing parts and paintwork. Parts that are not manufactured by Richard Western Ltd are covered by the manufacturers guarantee and are subject to their warranty. Their findings will be binding. We will consider all claims during this period providing the following procedure is followed:

1. A completed warranty registration form has been completed on our website.
2. We are notified immediately of any defect.
3. No work is carried out without obtaining warranty authorization.
4. Richard Western parts are used for any repair work.

### TERMS & CONDITIONS

All items in this price list are sold under our 'Terms and conditions of Sale'. Copies are available on request.

Prices of all goods are those ruling at the date of dispatch and we reserve the right to change prices without notice. All dimensions and specifications quoted in this list are for guidance only. In line with our policy of continuous improvements, we reserve the right to amend specifications without prior notice or obligation to existing equipment. Orders under £15,000 value will be subject to a delivery charge.



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