DELILAH MANURE SPREADER D SERIES

Compact Design with Maximum Durability

PROVEN IN THE FIELD

+44(0)1728 723224 • sales@richardwestern.com
Richard Western Ltd D'Urbans Framlingham Suffolk IP13 9RP

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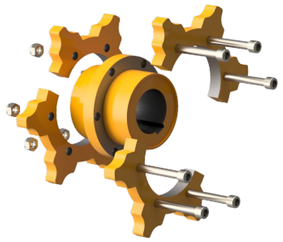
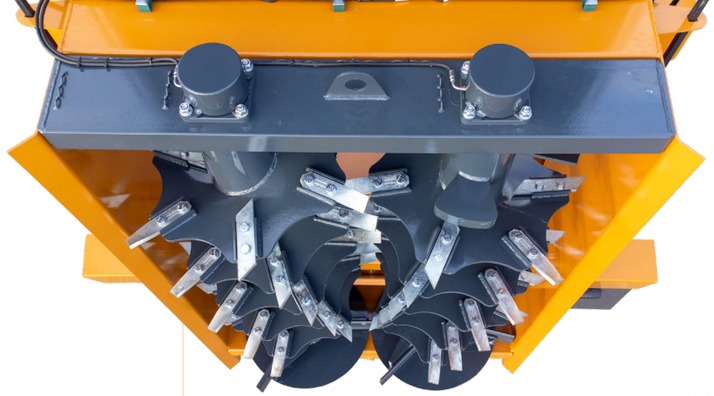


NEW BOLT-ON SPROCKETS

Our innovative bolt-on sprocket system revolutionizes maintenance and durability. Unlike welded sprockets, our design features a keyway connection that enhances reliability and allows for quick and easy replacement without shaft removal. This minimizes downtime, reduces labour costs, and ensures consistent performance even in demanding conditions. Built for durability, the bolt-on sprockets provide a safer and more efficient solution for long-term operations.



SUPERIOR SHREDDING PERFORMANCE

The Vertical D Rotor System sets a new benchmark in shredding and spreading performance. Featuring robust, overlapping 800mm diameter rotors, this system is engineered for efficiency, pulling material effortlessly from the load face to reduce unloading times significantly. The interlinking rotors work seamlessly to shred and pulverize material, ensuring an even, lump-free spread, making it particularly well-suited for grassland and minimum-tillage applications.

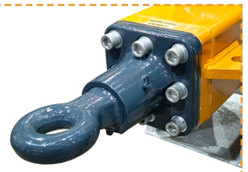
Designed with a focus on reliability and durability, the Vertical D Rotor System delivers consistent performance in even the most demanding conditions. Whether spreading well-rotted farmyard manure (FYM), fresh box manure, compost, green waste, poultry litter, or lime, this system offers exceptional material handling and distribution. Its ability to maintain uniformity and precision ensures that operators can trust it for a wide range of spreading tasks, contributing to optimal field application and soil management.

TYPES OF MATERIALS

Vertical rotor muck spreaders are designed to handle a variety of materials, including:

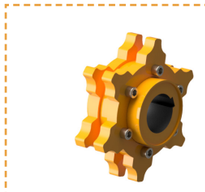
- **Farm Yard Manure:** Effective for spreading cattle, poultry, and pig manure.
- **Compost:** Ideal for distributing composted organic matter.
- **Green Waste:** Efficiently handles green waste and plant residues.

STANDARD FEATURES



BOLT-ON SWIVEL Ø50MM TOWING HITCH

The swivel feature allows for multidirectional movement, providing enhanced manoeuvrability when towing. This is especially valuable when navigating tight corners or uneven terrain.



FLOOR SPROCKETS

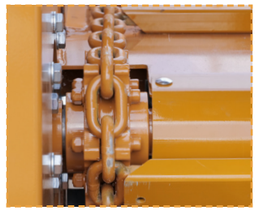
The 6-teeth floor sprocket features a keyway connection and bolt-on design, allowing easy replacement without shaft removal. It reduces wear by up to 20% compared to 5-teeth sprockets, enhancing durability and simplifying maintenance.

WIDE ANGLE PTO

The PTO can remain engaged during headland turns, all thanks to the wide-angle joint. It is important to be aware that the manufacturer discourages turning with the PTO under load.

RUBBER CUSHION

The rubber cushion drive coupling is specially developed to **reduce shock** loads to the auger drive gearbox.

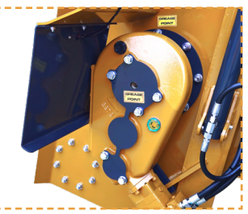


FOOR CHAINS

Hydraulically driven floor with heavy-duty 32t calibrated **16mm** grade 80 chain with individual tensioning and a full-width floating floor slat gives an even spreading rate and prevent bridging.

ROTOR TIPS

D Series have **60** heat-treated **BORON** (50mmx12mm) tips fitted on a spreader, we use 2 different tip designs, twisted and straight 30 of each and arranged in a staggered formation to produce a constant rotor load and **uniform distribution** of shredded material.



FLOOR DRIVE GEARBOX

The RT500 Gearbox, fitted on **D10** and **D12** models and RT800 on **D15** includes a **65mm** floor shaft with a unique **30-spline** design to Richard Western spreaders for superior engagement.

800MM ROTORS

Our 800mm rotors, with **five** spiral flights of 10mm heat-treated **BORON** steel and a 195mm rotor tube, ensure superior shredding performance. The larger tube minimises vibration, enhancing efficiency and reliability in operation.

OPTIONAL EQUIPMENT

- **Hydraulic Slurry Door**
- **Air Brakes**
- **Lift off canopy**
- **Rear Drawbar c/w hydraulic brakes & electrics**

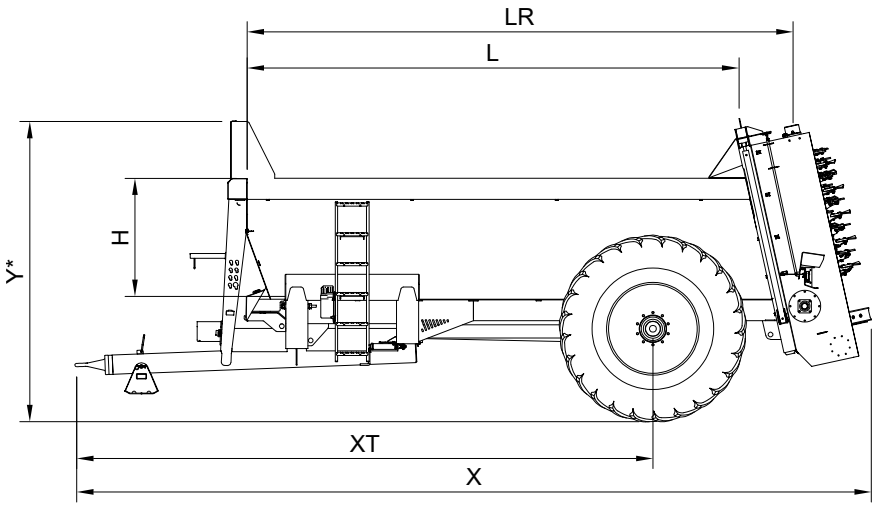
Model Name	D10		D12		D15	
Heap volume (m³ / cu ft)	4.1 / 145		4.4 / 155		5.4 / 191	
Level Fill (m³ / cu ft)	9.6 / 339		10.8 / 381		11.2 / 396	
Internal dimensions and volumes measured with slurry door						
Heaped Fill (m³ / cu ft) to Slurry Gate (Europe)	13.7	484	15.2	537	16.6	586
Heaped Fill (m³ / cu ft) to Center of Rotors (UK)	14.4	509	15.6	551	17.2	607
Axle Carrying Capacity (kg)	15,700		15,700		18,000	
Axle beam (mm / inch)	150x150x15	6x6x19/32"	150x150x15	6x6x19/32"	150x150x16	6x6x5/8"
Brake size (ØxW, mm / inch)	420x180	16.53x7.08"	420x180	16.53x7.08"	420x220	16.53x8.66"
Standard tyre size	580/70R38		580/70R38		580/70R38	
Rotor Ø (mm / inch)	800mm	31"	800mm	31"	800mm	31"
Rotor Tube Ø (mm / inch)	195mm	8"	195mm	8"	195mm	8"
Floor chains (qty x Ø, mm / inch)	2 x 16mm	2 x 5/8"	2 x 16mm	2 x 5/8"	2 x 16mm	2 x 5/8"
Floor driveshaft Ø (mm / inch)	65mm	2 9/16"	65mm	2 9/16"	65mm	2 9/16"
Power requirement (hp)	100		120		150	
PTO speed (rpm)	1,000		1,000		1,000	
Tare weight (kg)	5,400		5,800		6,300	
Floor drive torque (Nm)	5,000		5,000		8,000	
DIMENSIONS	(mm)	(in)	(mm)	(in)	(mm)	(in)
X - Overall length (mm / inch)	7,854	309	8,254	325	8,854	349
Y* - Overall height (mm / inch)	3,117	123	3,117	123	3,117	123
Z* - Overall width (mm / inch)	2,800	110	2,800	110	2,800	110
L - Interior length (mm / inch)	4,700	185	5,100	201	5,700	224
LR - Interior length to rotor centre (mm / inch)	5,200	205	5,600	220	6,200	244
WB - Interior width at bottom (mm / inch)	1,500	59	1,500	59	1,500	59
WT - Interior width at top - loading width (mm / inch)	2,020	80	2,020	80	2,020	80
H - Interior height (mm / inch)	1,250	49	1,250	49	1,250	49
HL* - Loading height (mm / inch)	2,518	99	2,518	99	2,518	99
XT - Towing Eye to centre of Axle (mm / inch)	5,585	236	5,985	236	6,585	259

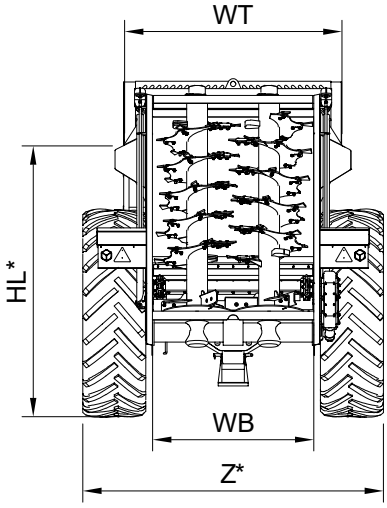
Constructed using **6mm** floor panel and **4mm** side panel for strength and durability. The standard **1.5m** wide body with a flared top creates a wider area for easy loading and less spillage.

Dimensions & Measurments
Internal dimensions and volumes **measured with slurry door**.

Other manufacturers often measure volume up to the rotor center, which can result in different capacity figures.

The capacities of all Richard Western products are calculated using advanced CAD software. This approach ensures that the stated capacities represent true, real-life scenarios, providing precise and reliable measurements for practical applications.





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