



SIDESPREADER

BROCHURE



CONTENTS

About	3
Side Spreader	4
Chain Flail Heads	7
Tyres	7
Design	8
Tyre Choice	10
Features	11
Technical	11





HiSpec

About

Established in 1988, HiSpec Engineering Ltd is a family owned company based in Co. Carlow, Ireland. Since the company's inception we have grown progressively and established a solid reputation as a manufacturer and supplier of high quality machinery. Our core activity is the design, manufacture and maintenance of high quality, innovative and reliable machinery for use throughout the agricultural sector.

We are proud of the dependable and honest reputation we have built and continue to grow a sustainable business benefitting the national and international farming communities.

A key ingredient to our success is the family run, hands on approach. Working with valuable staff, many of whom are with HiSpec since our establishment. We remain committed to ensuring you always receive the best quality and service from our machines. This hard work and dedication helps us to manufacture in excess of 1,000 machines per year.

Investment

HiSpec has invested heavily in our production facilities in order to provide our customers with the highest quality products. We have established a strong core dealer network throughout Ireland and the UK. We also manufacture and distribute agricultural machines to other countries around the world.

We are focused on improving our products and are always looking to establish greater efficiencies to ensure HiSpec maintains its reputation as a market leader in manufacturing high quality products.

SS

SIDE SPREADER

Our SS range of side spreaders are ideally suited to farmers and contractors alike. Available in two sizes: **SS800** and **SS1000**, to suit small to medium workloads. Designed to handle a wide range of manure, the HiSpec side spreader is one of the leading side spreaders on the market today.

All side spreaders are shot blasted and sprayed with a two pack strong enamel paint to provide a high quality paint finish. A robust chassis frame fully supports the barrel during loading and operation.

A 3mm hydraulic lid ensures loading is quick and convenient, and the lid can also be used to control spreading in the field. A 5mm high quality British steel body is built to last and all stresses during operation are fully supported through the full length chassis. A 2" drain plug is also fitted to drain the spreader during storage.

Model	Wheels	Capacity
SS800	15 x 22.5	8 yards
SS1000	550/60 – 22.5 BKT FL648	10 yards

Features such as a ring hitch, hydraulic brakes, LED road-lights and parking brake ensure that the spreaders are manufactured ready for work. Operation is simple with hydraulic control of the lid. A non-shear bolt PTO is provided to ensure the rotor reaches optimum spinning speed for a consistent spread pattern.







CHAIN FLAIL HEAD

Unique to HiSpec is the heavy duty solid flail head and 12mm case hardened chain. The 15 link chain ensures a greater breakdown of the manure. The solid flail head rotating at 229rpm is then able to spread the manure in a consistent pattern up to 8 metres in width.

Each flail head and chain is held in position using bolts so maintenance or shortening of the chains are easily carried out. Chains are placed in staggered locations along the rotor to ensure that the bin is completely and evenly discharged.



TYRES

Tyre choice is vital for your side spreader as often these spreaders can be working early in the year in unfavourable ground conditions. The **SS800** model is fitted on 15 x 22.5 tyres as standard, a popular upgrade would be to the 550/60 – 22.5 BKT FL648 for increased flotation properties.

The **SS1000** model is fitted on 550/60 – 22.5 BKT FL648 tyres to provide excellent flotation over ground. For improved grip and reduced rolling resistance, 21.3 x 24 tyres can be fitted. These tyres include a tractor grip to enable the spreader to ride over soft ground and also provide increased grip on sloped areas.

Hydraulic brakes and LED road lights are fitted as standard for road safety.



SS800

15 x 22



SS1000

550/60 R22.5 BKT FL648



OPTIONAL

21.3 x 24

DESIGN

HiSpec side spreaders are designed to be simple and efficient to use. Once loaded, the spreader can unload fast and provide an even consistent pattern. Due to the sealed nature of the barrel, these spreaders can spread all types of manure.

The design of the spreaders ensures that they are built to last. The unique folded chassis provides full support along the length of the body. This ensures the lifetime of the spreader is increased as the body can transfer the stresses during operation safely to the ground.

The spreaders are also fitted with simple chain and bearing drive lines so maintenance is minimal. The central greasing fitted as standard to the SS1000 ensures that the front bearings are greased easily as needed.





TYRE CHOICE



Model	Standard Tyres
SS 800	15 x 22.5
SS 1000	550/60-22.5 BKT FL648

SS Tyre Specification

SS spreaders are fitted with the wheels outside of the body. The SS range is designed for speeds ≤ 25km/h. The most common choice of tyre is the 550/60 – 22.5 BKT FL648 (flotation pattern) as the weight of the spreader is spread over a greater area.

If sloped ground is an issue, then the 21.3 x 24 tractor grip tyre will provide greater grip on those sloped areas.



15 x 22.5	550/60-22.5 BKT FL648	21.3 x 24
W - 385 D - 1080	W - 550 D - 1240	W - 540 D 1400
15 x 22.5 tyres are particularly suitable for smaller machines. Their width 385mm is ideal for smaller loads. 15 x 22.5 (385/65 R22.5) offers long wear resistance but not much flotation properties.	Load Index 154 A8 BKT FL648 tyres are designed for carrying high loads at low pressure, reducing soil compaction and preventing damage. The large overall width helps to spread the load over a greater area.	Load Index 154 A8 Belshina 21.3 x 24 tyres can be fitted to both spreaders to provide tractor grip tyres for those sloped areas. These tyres provide an improved grip and lower rolling resistance.



Solid Flail Head

Heavy duty solid flail heads and case hardened 12mm chain are fitted as standard to break up and spread the manure. The solid flail heads provide longer life and can easily be replaced.

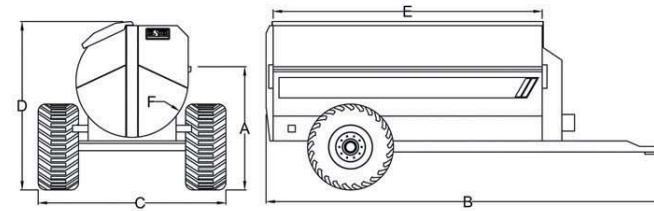
Starting flails are fitted at both ends of the spreaders to enable easier starting of the spreader.



Central Grease

Fitted as standard on the SS1000, central greasing allows the operator to apply grease to the bearings without the need to remove the protective cover.

The single chain can be tensioned manually to reduce wear and prevent the chain from slipping. A reduction gear may also be fitted for lower HP tractors



Model	SS 800	SS 1000
Tyres	15 x 22.5	550/60 – 22.5 FL648
HP	80 HP	100 HP
Body	5mm	5mm
Lid	3mm	3mm
Rotor	229 rpm	229 rpm
Loading A	1500mm	1500mm
Length B	4725mm	5430mm
Width C	2400mm	2550mm
Height D	2490mm	2540mm
Body E	3000mm	3625mm
Diameter F	1525mm	1525mm
Weight	1700kgs	2180kgs

Standard Specification

- Ring hitch
- Parking brake
- Strong chassis frame heavy duty solid flail heads c/w 12mm chain
- 168mm diameter rotor
- 3mm hydraulic lid
- Hydraulic brakes
- 5mm barrel
- LED roadlights
- HiSpec red paint finish

Connect with us

HiSpec is always striving to improve our products and we would love to hear your comments and receive your photographs of HiSpec products in action through our social media.





HiSpec Engineering

Station Road
Bagenalstown
Co. Carlow
R21 E038
Ireland
Tel: +353 (0) 59 97 21929
www.hispec.net

