



Grain Saver For Efficient Grain Handling Around The World



GS machinery – developed by specialists and thoroughly tested by farmers

Coincidence has got nothing to do with the GS-trailer or our machinery for grain bagging. We simply decided to build the best grain handling machinery around! By bringing the core competence together of the team – from farmers to designers and producers - a new generation of grain carts and baggers was brought forward. Machinery that now sets the standard for European Agriculture.

Prior to launching, the machines has been run close to a normal life span of a standard grain cart; by running so much grain through the machines, we are able to warrant many more years of hard work at your operation. Similar approach has been used on all other machinery in the Grain Saver assortment. We promise that we will continue operating these machines heavily in the future, year in and year out, testing the tiniest nut, bringing a state-of-the art continues improvement to your yard. With ears as big as parabolic discs, we listen to your needs and integrate that into the product development!

For grain, fertilizers, seeds, CCM...

With all the features of the GS-assortment you get a machine that will work many months a year at your farm, on your contracting operation or in your industry; As a chaser bin for combining, as a seed- and fertilizer transfer vehicle, for in-farm logistics solutions, for bagging of bulk goods and much more together with other GS-machinery, or alone.

GS-trailer offers a choice of axle configurations for its transfer vehicles ranging from 12 to 38 cubic meters. It enables even large-width drills and fertilizer spreaders to be filled quickly. With sufficient loading capacity even for the market's highest performing combines. Baggers and extractors are standardized and come in one version.

Nowhere else do you find an overloading wagon that has such a flexible, foldable auger that can enter virtually anywhere and in any machine - from 2,24 to 4,66 m, a complete bottom opening device (easy cleaning, unloading over dump pits) and a split compartment so you can use your GS-trailer for transport of both seeds and fertilizers. The grain cart is bolted not welded - a more expensive solution than that of our competitors. But that will give a much longer life expectancy. Combine this with high-quality roll-top, flotation tires of your choice, a good platform for supervision at the back and ladders inside and out, suspended drawbar, mudguards and hydraulic support leg and you got all that you need! Based on high quality components. This is the GS-trailer – from farmers to farmers.





GS-Trailers – the missing evolutionary link

- ✓ Transferring while harvesting enables the combine harvester input to be increased by some 30 percent for small grains and oilseeds, and by more than 40 percent with grain maize,
- ✓ In more fragmented areas, with marbled and cut landscape such as often found in Scandinavia and Alpine regions, the effect is often close to a doubling of the capacity due to long in- field transport around woodlands, creeks and similar. Therefore the GS12 – a fair priced, smaller grain cart, was introduced in 2019,
- ✓ Overloading wagons gives you a more streamlined operation with higher performance through unloading combines on the move,
- ✓ More efficiency is achieved at sowing and fertilizing through faster filling of drills and spreaders,
- ✓ Less soil compaction will be the result through the overloading wagons large-volume low profile tires. Road moving vehicles remain on field edges and keep off the soil surface,
- ✓ Less tear and wear on the combines by continues field work as opposed to the stop- and start nature of standard combining,
- ✓ Significant reduction of soil compaction from foremost top-loaded combines' front axle by continuous off-loading to grain carts,

.....simply a must for modern farmers! That is the reason why you find GS grain carts from Spain in the south to Norway, from Ireland in the west to Ukraine in the east. And also export to New Zealand, Angola, Myanmar and other over-sea markets.

Time is money

30 percent higher output means three combines instead of four or to harvest the same area in three days instead of fourit means better capital use and less investments.





BRINGS YOU THE ADVANTAGES

- ✓ High innovation input through our own farming operations and large scale grain bagging operations. Combine this with our past experience of supplying hundreds of grain carts, baggers and extractors of other brand names in many European countries and you get a product developed by skilled technicians and heavily tested by farmers prior to reaching your farm,
- ✓ The machine is kept simple – reliability is core competence of the GS-Trailer,
- ✓ Design, production and assembly is subject to continuous quality controls by our staff also operating the equipment in season,
- ✓ The only grain cart available that enables you to operate by transferring to trucks on longer distances and bottom emptying at the dump pit on the local drying facility while combining at a closer distance from the farm,
- ✓ The only grain cart designed to work together with a grain bagger streamlined for a bagging operation.
- ✓ The only grain cart that can be used for logistics on seeds and fertilisers in one machine and hence making seeding operations much more efficient.



VERSATILE

SPLIT COMPARTMENT – for filling of seeds and fertilizers by one machine

Thanks to its divided tunnel hatches, the front and the back can be opened separately. Compartments are divided and easy to remove. With fertilisers in one compartment and seeds in the other, the logistic's solution for combed seeding is now solved!



COMPLETE FLEXIBILITY ON OUTLOADING

With GS you can outload at any place or anywhere.

- ✓ To a truck, trailer or grain bagger from top of the auger,
- ✓ Into narrow buildings by half auger,
- ✓ Through bottom hatches in less than 40 seconds

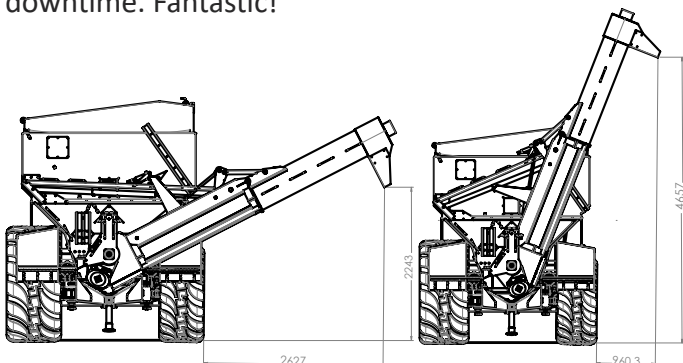


FOLDABLE AUGER

The foldable auger enables you to move the auger to discharge from a height of 2,24 m to 4,66 m. With the superb extended reach of the auger (from GS-trailer) you are able to reach virtually any seeding machine on the market, even large airseeders!

The foldable auger enables driver to evenly place grain in trucks without having to drive back and front or to add a separate swivel for filling trucks evenly. Remarkable!

On grain bagging, docking into the bagger is now a smooth operation which saves time and reduce downtime. Fantastic!





Stay dry

Easy, strong, durable. Our heavy duty roll-top is easy to put in place and thanks to its weight and design, stays in place.



Easy access

Ladders inside and out and a large platform gives visibility and makes it all so easy to clean the machine.



Great overview

The biggest view-window commercially available gives great overview. Two rear windows gives combine driver additional info.

Only the best

We use only high quality components from recognized suppliers, e.g. BPW axles, Rögelberg transmissions, shaft drives and high quality tires and rims as standard. Why compromise on quality? Simple, logical and robust design gives many years of problem-free operation.



Airbrakes or hydraulics – Your choice!

All machinery can be supplied in accordance to domestic road legislation.

Scale

Optional weighting computer with display in tractor cab and collection of data from farming operations available.

Hitching system

Choice of all the hitching systems available on the market, pin, hook, piton fix and ball and socket hitches.





Ground protection

The significant height of the chassis combined with the clean BPW-axles guarantees the protection of straw swaths.

Mudguards

Tired of that dirt? The mudguards does the job.

Lights

Great lights. Light on auger shut of automatic when auger is down. All LED-lights.

That little extra

Designed with bolts and nuts – not welded – for longevity performance in rough field conditions.

Perfect stability

Suspended drawbar, fitted with shock-absorbing rubbers from the mining industry and the precise, robust design of axles allows for effective shock absorption in all conditions, even at high speed or on uneven terrain. (Hydraulic suspension on GS 38)

Hydraulic functions

4 double acting hoses and a brake valve is all needed. Tunnel hatches, front and back, separate adjustable. Switched by a 12 Volt switch.

Stainless steel details

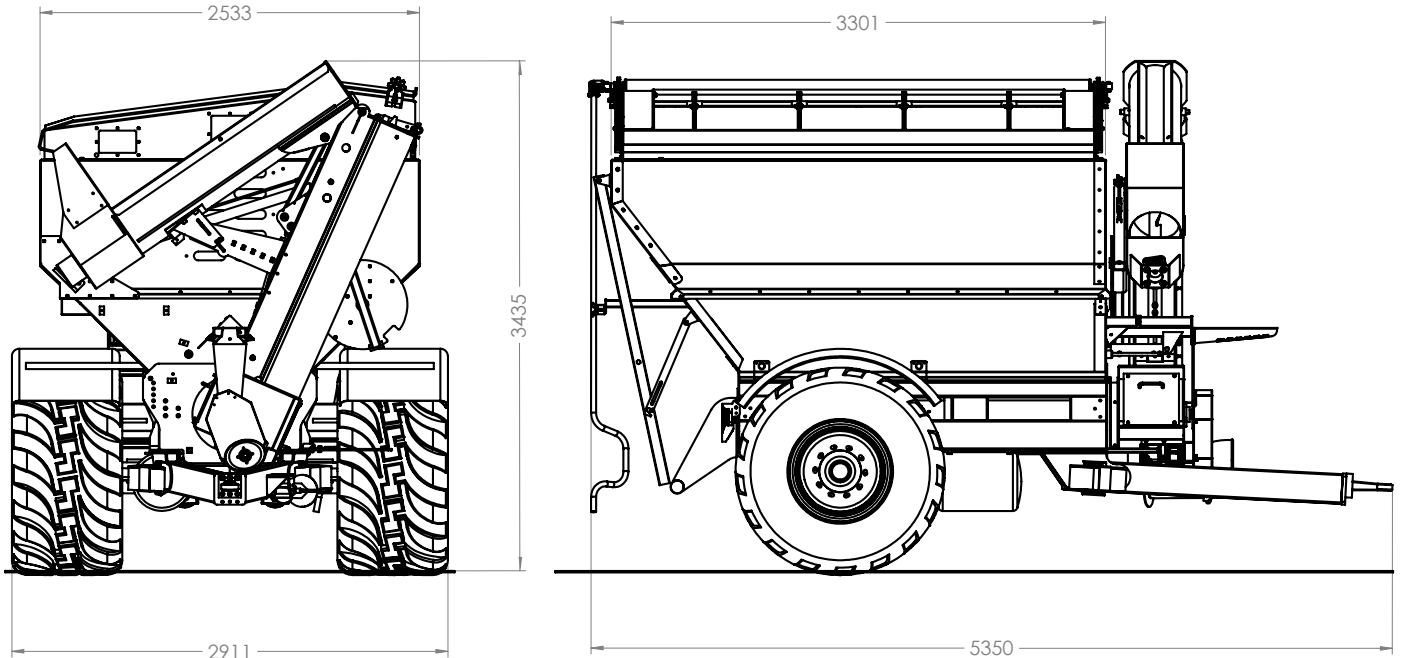
Stainless steel bolts and details protects from aggressive mineral fertilisers.



GS 12 ECO – EFFICIENT OVERLOADING IN COMPACT FORMAT



Strong overloading wagon, designed with many years experience from the larger Grain Saver trailers. Perfect for alpine areas, Nordic areas and smaller operations, where efficiency and technical solutions is in focus. Serves easily a mid-size combiner. 80 HP tractor needed.

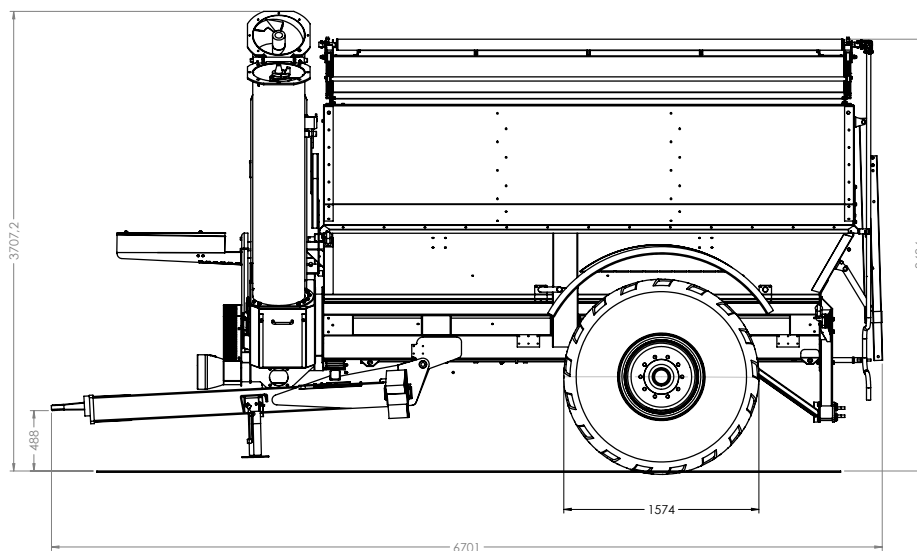
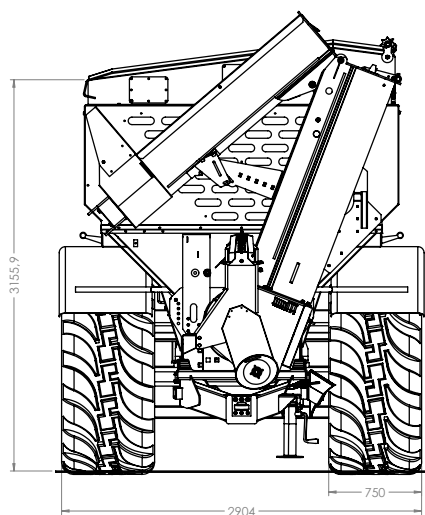


| Axle | BPW single axle | |
|---------------------------|-----------------|------|
| Discharge time | min. | 3 |
| Length | mm | 5100 |
| Width | mm | 2550 |
| Height | mm | 3450 |
| Loading height (combiner) | mm | 2850 |
| Weight - standard | kg | 3200 |

GS 16,5 - MID-SIZE MODEL SINGLE AXLE



A grain cart, adapted to serve one large combine in operation or two mid-size combines. It requires a 120 hp tractor for smooth operations.

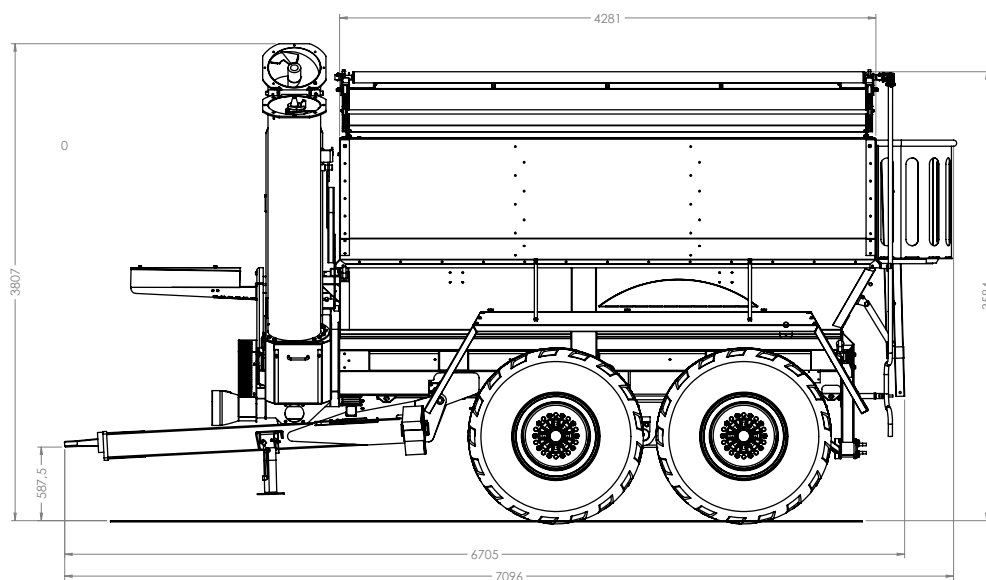
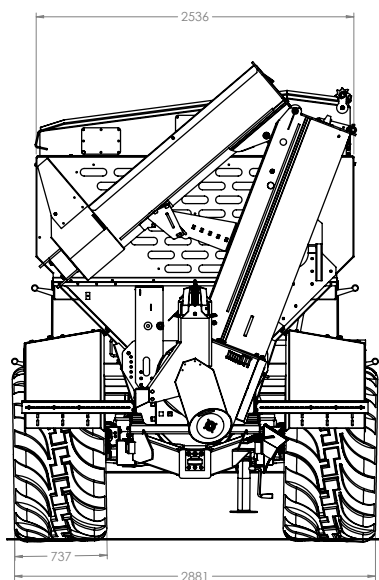


| Axle | BPW single axle | |
|-------------------|-----------------|------|
| Discharge time | min. | 3 |
| Length | mm | 6701 |
| Width | mm | 2904 |
| Height | mm | 3800 |
| Weight - standard | kg | 5920 |

GS 16,5 - MID-SIZE MODEL BOGGIE DESIGN



A grain cart developed to serve one large combine in operation or two mid-size combines. Serves easily with a 120 HP tractor.

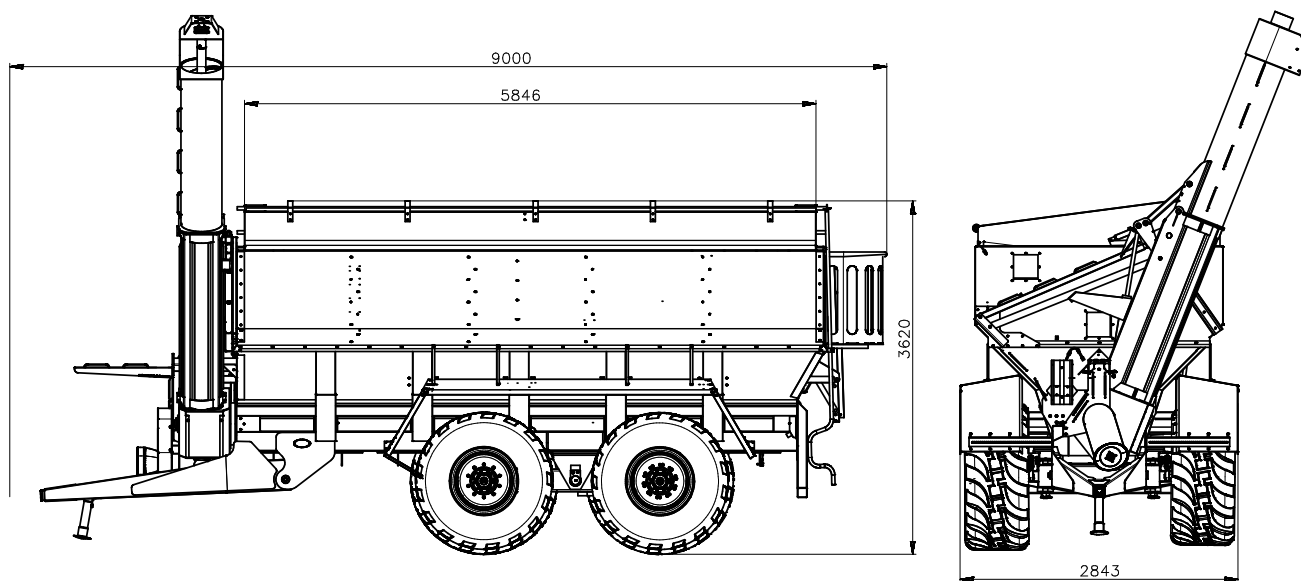


| Axle | BPW boogie axle | |
|-------------------|-----------------|------|
| Discharge time | min. | 3 |
| Length | mm | 6701 |
| Width | mm | 2926 |
| Height | mm | 3750 |
| Weight - standard | kg | 5920 |

GS 24,5 PREMIUM



Powerful grain cart, adapted to serve two standard large combines in operation. It is easy to drive. Thanks to its design, it has a large surface area relative to volume. The wagon is equipped with a steerable BPW tandem axle. Unloading time is app. 3 minutes. It requires a 200-250 hp tractor for smooth operations.

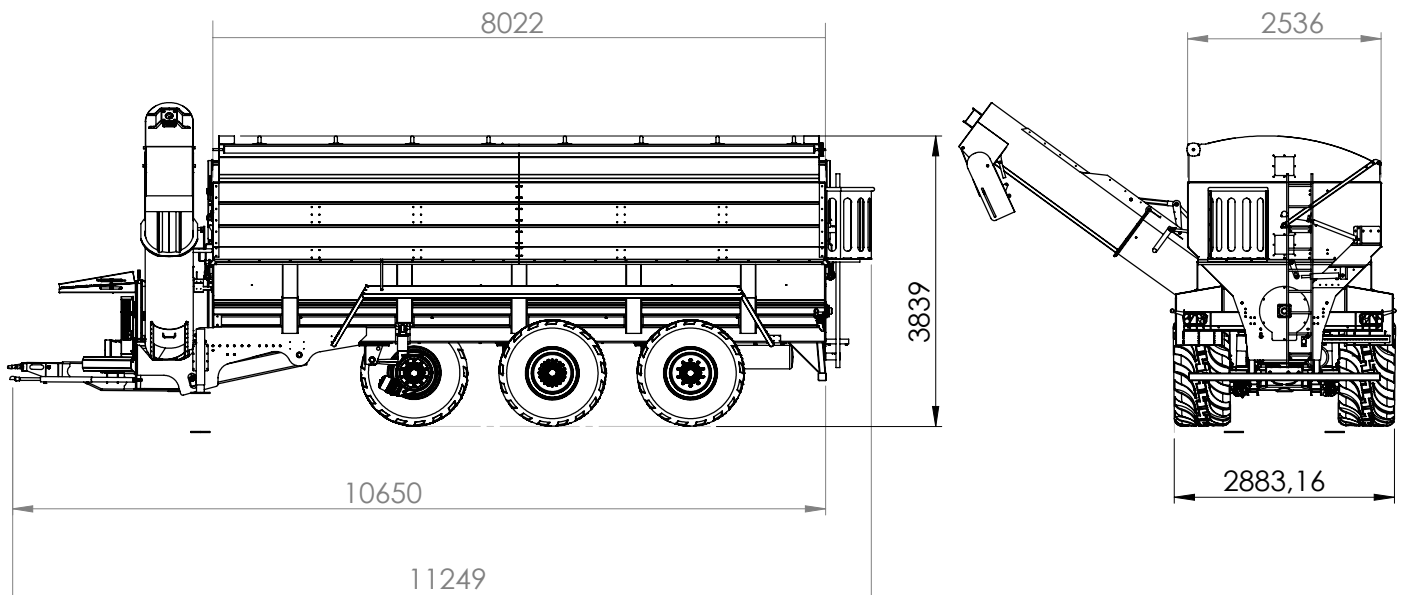


| Axle | BPW boogie axle | |
|-------------------|-----------------|------|
| Discharge time | min. | 3 |
| Length | mm | 9000 |
| Width | mm | 2930 |
| Height | mm | 3800 |
| Weight - standard | kg | 7430 |

GS 38 PREMIUM



GS-38 is our top performing grain cart with a complete new design developed to handle several combines or 1-2 of the worlds largest combines. Emptying this grain cart in the bottom is done in less than 40 seconds, overloading to grain cart is around 3 minutes. It is fitted with a forced steering that saves wear and tear on axles, rims and tires. Airbrakes as standard. The largest gearbox on the market, hydraulic tarpas and a complete new design of the unloading with massive augers. Hydraulic suspension on drawbar apart from all the outstanding components from the GS-series such as excellent visibility, a bolted construction and no welding, split compartment for fertilizer and seed handling, foldable auger.



| Axle | BPW tridem | |
|-------------------|------------|-------|
| Discharge time | min. | 3-4 |
| Length | mm | 11250 |
| Width | mm | 2883 |
| Height | mm | 3840 |
| Weight - standard | kg | 10500 |



GRAIN BAGGING

Grain bagging is a good alternative to other storage solutions and is a well-proven technology used around the world. The advantages are the low investment costs, the flexibility and simplicity that come with the system and a generally low storage risk. Storage is done in an anaerobic environment (air-tight) in a plastic tube. Farm Mac has worked with the system for more than fifteen years, both as user, entrepreneur, producer and sales of machinery and technology and has a thorough knowledge about it all.

What can be stored?

In principle, anything produced in agriculture and handled in bulk in food-processing industry such as wheat, barley, sunflower, soya, corn, rice, canola can safely be stored in grain bags.

What are the advantages?

Investments are low and storage can be set up virtually anywhere without large preparations. There is no need to erect large stationary driers and storage-solutions, rather one can run a mobile drier if drying is needed, prior to bagging it for short- or long term storage.

What is needed?

It is efficient to use an overloader wagon to feed the grain bagger. One person can operate the grain cart and the bagger simultaneously and bag about 750 tons in ten hours. A system with two grain carts is doubling the daily output, but then three persons are needed to make it efficient. When taking out the grain, a special extractor is requested. Loading can be done into trucks, standard trailers or to your overloading wagon.

Why are so much grain bagged these days around the world?

A crucial factor is the cost-efficiency, but also that in so many countries around the world, safe storing can be undertaken without prior drying of the grain at harvest. Then it is very efficient to overload the grain and for example place it in the harvested fields.

In northern and central Europe, the majority of the grain needs to be dried prior to storage. An efficient *modus operandi* is to store the grain directly after harvest, while later taking it to a drying facility, prior to long term storage. This saves limited drying capacity and prolongs the utilisation of older, low-capacity grain storage facilities. Storing dried grain in bags is always safe. Storing damp grain is safe up to levels of 18% humidity. It enables you to harvest large volumes per day, while yet having limited drying capacity. Limited transport capacity in harvest is no longer a problem. For feed-grain, long term storage at higher moisture-contents, can be done directly in grain bags – there is no need to dry this type of material any more.

Grain bagging means easier handling of special qualities like different seed material. High value grade grain can be handled separately, giving higher sales prices if sorted already in field by bagging. Contamination of seeds is no longer a hassle. You get a clean, neat working environment, free of dust and particles and there is no need for excessive cleaning of older inside storage facilities. Service and maintenance of worn elevators and transporters is a thing of the past!

Grain bagging is a safe, cost-effective and rational solution for grain handling, both in dry and moist harvest conditions!



GS GRAIN BAGGER

Grain Saver D-9 with a grain bagging capacity of about 180-250 tons per hour. A well-built grain bagger, requesting a tractor of 100-160 hp, designed and developed for efficient farming around the world.



Specifications

| | | |
|---------------------|-------|---------|
| PTO speed | rpm | 540 |
| Tractor power | HP | 100-160 |
| Performance machine | ton/h | 180-250 |

Dimensions of the machine

| | | |
|--------|----|------|
| Length | mm | 5210 |
| Width | mm | 3405 |
| Height | mm | 2705 |
| Weight | kg | 2000 |

Basic specification:

- ✓ Disk brakes
- ✓ Hopper with a capacity of 3,0 m³
- ✓ Safety grid in the hopper
- ✓ Auger from wear resistant steel
- ✓ Bag lifting device
- ✓ Winch for operating bag pan
- ✓ Wheels: 400/60R15
- ✓ Tunnel 2,7 m (9'')
- ✓ Hitch 40 mm on tractor drawbar
- ✓ Adjustable height drawbar

Optional:

- ✓ Quick changeable tunnel from 6,5 to 10 feet (2m-3m)
- ✓ Applicator with barrel holder and nozzles
- ✓ Hopper extension to 3,5 m
- ✓ Electrical motor for bag lifting device

GS EXTRACTOR

High outtake capacity with proven reliability.

Debags, wraps up silobags at more than 200 tons/h. With a swinging auger to unload at any side of the bag that gives substantial space saving in grain storage.

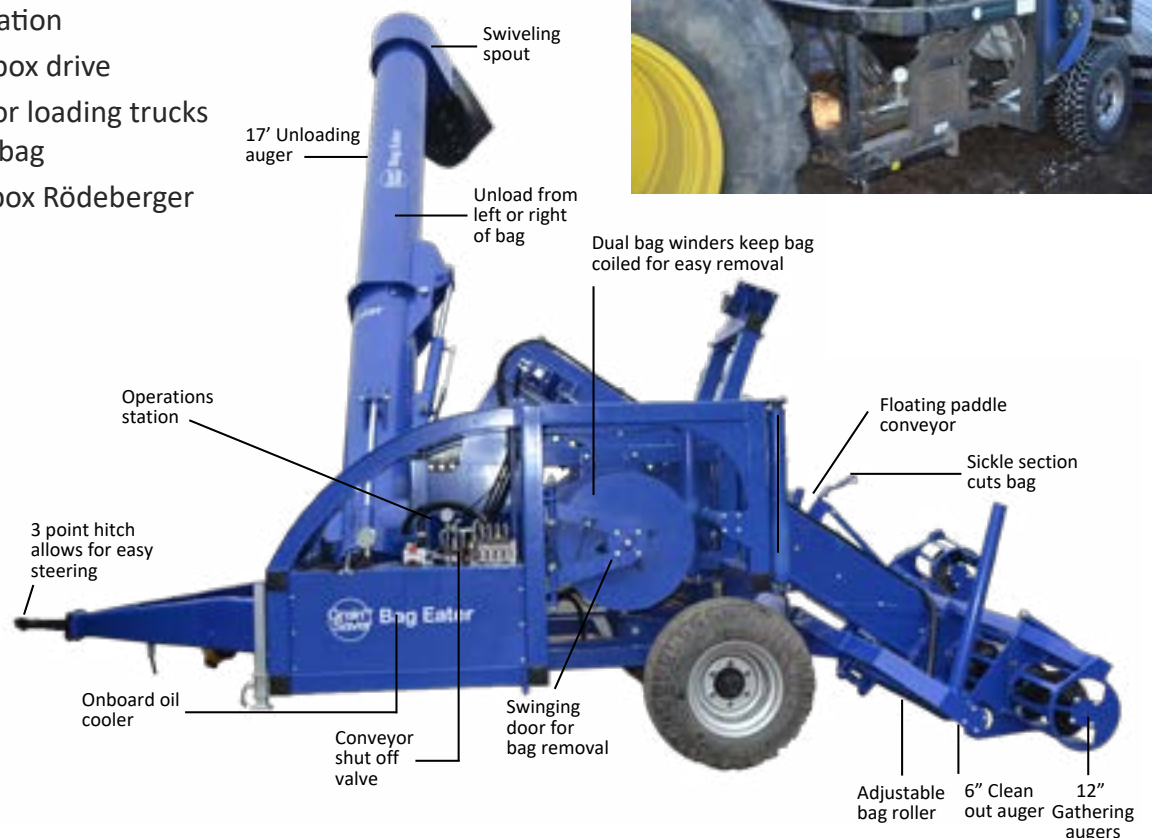


Specifications

- ✓ Tractor requirement - 120-150 hp, 540 RPM, 2 hydraulic outlets
- ✓ Capacity 200-220 ton/h
- ✓ 540 PTO drives all auger & conveyor
- ✓ Hitches to tractor using Category II three point hitch
- ✓ Augers and rear roller fold to transport width of 2,6 m

Features

- ✓ Trailer towing hitch
- ✓ Dual knives split bag
- ✓ Rubber paddle conveyor
- ✓ One person operation
- ✓ Mechanical gearbox drive
- ✓ Swinging auger for loading trucks on either side of bag
- ✓ Heavy duty gearbox Rödeberger



| | GS 12 ECO | GS 16,5 Single Axle | GS 16,5 Boggie | GS 24,5 Premium | GS 38 Premium |
|--|----------------------|--------------------------------|---------------------------|----------------------------|--------------------------------------|
| Capacity - min. | 12 m ³ | 16,5 m ³ | 16,5 m ³ | 24,5 m ³ | 38 m ³ |
| Capacity – max. (w. extension 30 cm) | 12 m ³ | 19,5 m ³ | 19,5 m ³ | 28,5 m ³ | 41 m ³ (w. ext. 15 cm) |
| Gross weight | 10 ton | 17 ton | 17 ton | 24,8 ton | 40 ton |
| Axle type | BPW single | BPW single | BPW tandem | BPW steerable tandem | BPW tridem |
| Brake system | Hydraulic/air brakes | | | | Air brakes |
| Standard wheels | 710/65R26,5 | 710/65R30,5 | 710/55R26,5 | 710/55R26,5 | 710/55R26,5 |
| Option wheels | 600/55R26,5 | on request | on request | 710/55R30,5 | on request |
| HP requested | 80-110 * | 120-175 * | 120-175 * | 180-250 * | 300-400 * |
| Foldable front auger | ○ | ● | ● | ● | ● |
| Unloading height - min. | 2,06 m | 2,24 m | 2,24 m | 2,24 m | 2,24 m |
| Unloading height - max. | 4,31 m | 4,66 m | 4,66 m | 4,66 m | 4,66 m |
| Auger diameter - horizontal | 250 mm | 330 mm | 330 mm | 330 mm | 500 mm |
| Auger diameter - vertical | 315 mm | 420 mm | 420 mm | 420 mm | 600 mm |
| Discharge time (auger) | 2 -3 min** | 2 -3 min** | 2 -3 min** | 3 -4 min** | 3 -4 min** |
| Discharge time (bottom hatches) | 40 sec.** | 40 sec.** | 40 sec.** | 40 sec.** | 40 sec.** |
| Transmission | mechanical | mechanical | mechanical | mechanical | mechanical |
| Hydraulic bottom hatch opening - full | ● | ● | ● | ● | ● |
| Split compartment (fertilizers/seeds) | ○ | ○ | ○ | ● | ● |
| Hydraulic support leg | not possible | ○ | ○ | ● | ● |
| Suspended drawbar | not possible | ● | ● | ● | ● |
| Roll-top suitable for transport | ● | ● | ● | ● | ● |
| Platform rear | ○ | ● | ● | ● | ● |
| Ladder inside and out | ● | ● | ● | ● | ● |
| Digital weighting system | ○ | ○ | ○ | ○ | ○ |
| Mudguards | ● | ● | ● | ● | ● |
| Bottom hatch indicator | ● | ● | ● | ● | ● |
| Large front window | ● | ● | ● | ● | ● |
| Rear drawbar | not possible | ○ | ● | ● | ○ |
| Worklight w. switch | ● | ● | ● | ● | ● |
| Choice of colour | ○ | ○ | ○ | ○ | ○ |
| Length overall | 5.350 mm | 6.701 mm | 6.701 mm | 9.000 mm | 11.250 mm |
| Total width without tires | 2.540 mm | 2.150 mm | 2.150 mm | 2.250 mm | 2.250 mm |
| Total width incl tires | 2.920 mm | 2.904 mm | 2.926 mm | 2.930 mm | 2.883 mm |
| Total height - standard | 3.440 mm*** | 3.800 mm*** | 3.800 mm*** | 3.800 mm*** | 3.839 mm |
| - with extensions | 3.593 mm | 3.900 mm | 3.900 mm | 3.900 mm | 3.980 mm |
| Empty weight | 3.200 kg | 5.920 kg | 5.920 kg | 7.430 kg | 10.500 kg |
| ● Standard ○ Option | | | | | |
| * Depending on field slope and moisture level in field | | | | | |
| ** For standard grain (15-18% moisture) | | | | | |
| *** The highest point of the auger can be lowered for about 100 mm | | | | | |



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