



## ANNABURGER transport and reloading technology

Powerful, fast and compatible



Strong performance: ANNABURGER's chaser bin achieves a reloading capacity of up to 20 m<sup>3</sup> per minute.

ANNABURGER's rear tippers, chaser bins and SchubMax vehicles are companions you can count on. This is why customers from all over Europe put their faith in our transport technology.

### Efficiency comes from performance, power and precision

# Anyone who chooses an ANNABURGER product could well be making a decision for life.

The agricultural vehicles from Annaburg in Saxony-Anhalt have been a byword for sturdy design and extremely long service life for decades.

The sophisticated level of manufacturing guarantees that the customer receives extraordinary quality and a high degree of flexibility. ANNABURGER NUTZFAHRZEUGE GMBH stands for German Engineering. Yesterday, today and tomorrow.

The people at ANNABURGER combine their long-standing expertise with the use of the very latest technology. The result is efficiency for you. Precision agriculture for professionals. Stable, robust vehicles for the tough demands of everyday use.

# This way, you can move mountains: Our transport specialists really know how to show their true strengths

Heavy, large, high quantities: Farmers, contractors, logistics experts and municipalities rely on ANNABURGER transport vehicles wherever performance and reliability are needed. Rape or maize, grass, grain and cereals, potatoes, turnips or soil, gravel and pebbles. An all-rounder for bulk materials! Thousands of these transport giants sold to date have proven their capabilities to AN-NABURGER customers throughout the whole of Europe.

### Maximum mobility – our models rise to any occasion

We have just the right tipper for your business. You choose your performance class and your specific equipment: Everything else is defined by the intended purpose.

- There is a rear tipper suited to every bulk material: These tippers are available in two series: In the form of a rear or two-way tipper
- Robust application on construction sites: Our Hard-Liner with its halfpipe tipper made of Hardox steel stays reliable even under heavy loads.
- Tried and tested harvesting specialists: Volume, performance, mobility – the ANNABURGER chaser bins allow continuous, uninterrupted work
- A variety of intended uses? Pushing instead of tipping? In that case, the SchubMax Plus is just what you need.

Flexible use for the two-way tipper: When there is limited space above the vehicle, the tipper simply tips to the side.

HTS 29.14

### Simple rear tippers and flexible two-way tippers

Which tipper should you buy? Whereas a farmer can predict the type of work they do, a farm contractor has to be prepared for constantly changing applications.

#### Your harvest + our accessories = efficiency and power

• For harvesting grass and maize: Simply increase the capacity of your rear tipper by up to 40%! This means you can transport even more light crops.

If you don't need the attachments, just fold them away or remove them: The attachments can be bolted or folded in place. We offer different optional covers for the loading compartment to protect your precious harvest from wind and weather during transport, e.g. roll-up tarpaulins with platform, QuickCovers or folding tops. These stay in place and protect your crops.

• For transporting potatoes and sugar beets: When tipping these goods, a high conical heap is formed due to the tipper's high tipping point. To avoid damaging the crops, ANNABURGER's design engineers have made the opening angle of the hydraulic rear door extremely generous. A fall protection sheet also protects the potatoes when they are being loaded.

And while we are talking about protecting potatoes: Selected tippers are also available with low side panel heights of 1.4 m and 1.6 m and a tipper length of up to 9.5 m.

### **Application and chassis: Decisive factors for** your transportation expert

ANNABURGER is well known for its variety and individuality. An overview of our rear tippers is given below. Select your tipper according to payload and function, depending on your intended use.

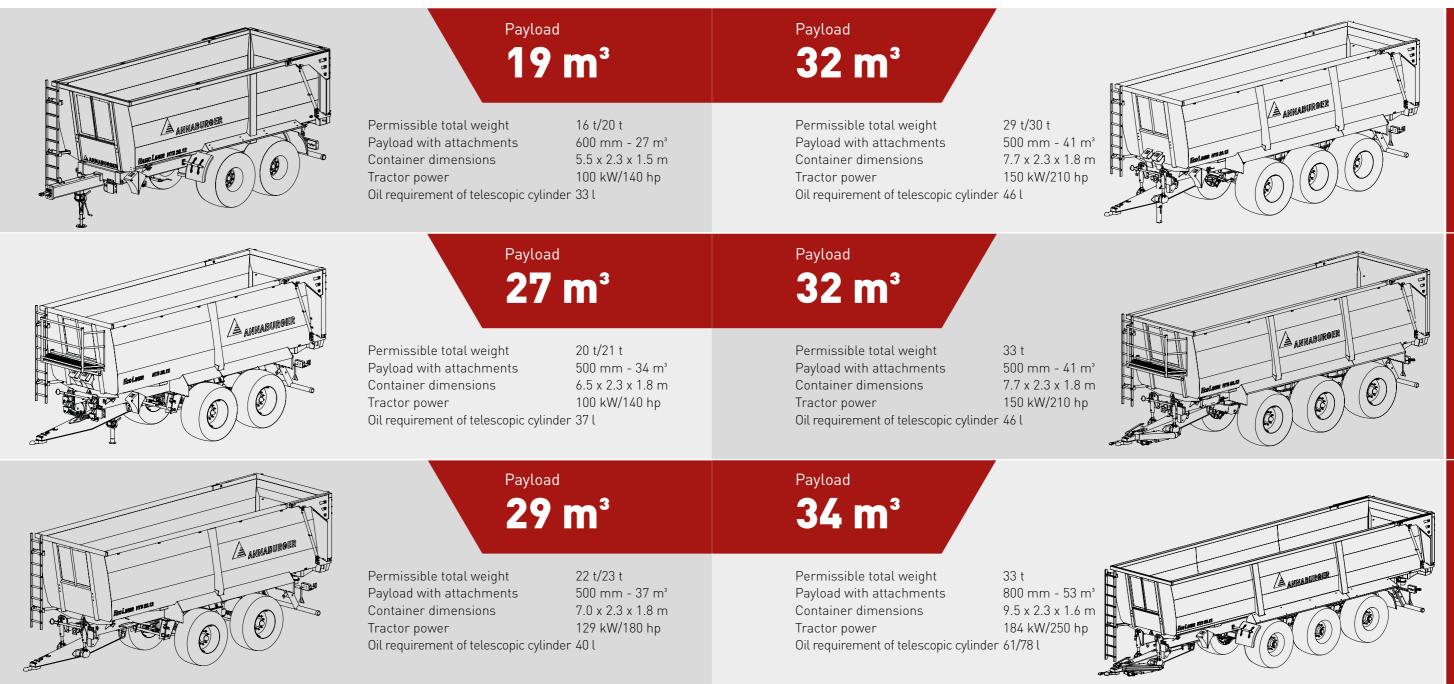
The SchubMax Plus is the perfect alternative when tipping is difficult: The pushing principle increases your flexibility.

Payload is also an important factor for ANNABUR-GER's chaser bins. The high reloading capacity of our conveying augers speaks for itself.

# ANNABURGER ANNABURGER

### **Rear tipper with tandem chassis**

### Rear tipper with tridem chassis





29.12/.14 HTS 33.12/.14 HTS HTS 33.12



### Your business determines your requirements – select your tipper from five performance classes

In principle, you can configure your ANNABURGER rear tipper almost as uniquely as your business, your farm or your company. Just select the ideal tipper suitable for your individual requirements from our five performance classes. One thing they all have in common is the robust design of the container with the stanchions and side panels. This guarantees high durability. In addition, we provide a variety of optional and additional equipment. Your ANNABURGER contact person will advise you on choosing your perfect transport machine.

Performance classes	HTS 16./20.12	HTS 20.12/.14	HTS 22.12/.14	HTS 29.12/.14	HTS 33.12/.14	HTS 33.12
Total weight (t)	16/20	20/21	22/23	29/30	33	33
Payload (m³)	19	27	29	32	32	34
Payload with attachments (m <sup>3</sup> )	27	34	37	41	41	53
Container dimensions LxWxH (m)	5.5 x 2.3 x 1.5	6.5 x 2.3 x 1.6	7.0 x 2.3 x 1.6	7.7 x 2.3 x 1.6	7.7 x 2.3 x 1.8	9.0 x 2.3 x 1.8
Tractor power (hp)	140	140	180	210	210	250
Oil requirement of telescopic cylinder (l)	33	37	40	46	46	61/78
Chassis	Tandem chassis	Tandem chassis	Tandem chassis	Tridem chassis	Tridem chassis	Tridem chassis

### Quick and complete unloading thanks to the conical tipper shape

Form follows function: Thanks to the conical design of the

rear tippers, unloading is quick and complete – and therefore easy. The high-performance telescopic cylinders powerfully lift the tipper – even with heavy, sticky loads. The rocking ball bearings ensure that the tipper is guided with precision; the optimum alignment of the mounting points guarantees a high degree of stability.

### Strong chassis and well suspended drawbar

The frame of all ANNABURGER rear tippers features thick longitudinal beams and crossbars and provides an ideal connection for either of the two possible chassis: Parabolic or hydraulic chassis.

Keyword: Chassis. Which one you choose is based on the intended use – for driving on paved roads, unpaved paths or fields. Ideal driving comfort is rounded off by the choice of drawbar: Rigid, or with parabolic (basic) or hydraulic suspension.

#### Rear or two-way tipper – the decision to be made here is between requirements and available space

Conventional rear tippers are used in many businesses with enough space on their farm or barns that are tall enough.

If the spatial conditions are restricted or even unknown, the two-way tipper would be the best choice. This machine makes it possible to tip bulk material sideways, for example into a silo. This makes ANNABURGER's two-way tippers particularly advantageous for farm contractors or logistics experts.

#### Professional technology in every detail

- Silage chaff module and panel height extension: Simply increase the capacity of your rear tipper by up to 40% with this add-on part. This is of particular interest for light crops such as grass.
- Measures to safeguard the cargo: To prevent goods from being lost, ANNABURGER offers suitable safeguarding systems – either the QuickCover, folding top or a durable roll-up tarpaulin plus platform.
- Fall breaker: If you are transporting potatoes, you need a sturdy fall protection sheet to protect your crops when they are being loaded.

On the construction site and on the field: The ANNABURGER HardLiner guarantees the best quality under extreme conditions, thanks to its halfpipe tipper made of Hardox steel and state-of-the-art technology.

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### Solid, resilient, tractor-pulled: This rubble tipper is a cut above the rest

When others get stuck, the ANNABURGER Hard-Liner just keeps going. This combination of tractor and rubble tipper can cope even with difficult and boggy terrain, unlike a four-wheel truck or dumper.

This is why construction companies are now also relying on our tractor-drawn halfpipe tipper.

### Industry experts are in no doubt: Hardox steel is extremely resilient

Transporting soil, gravel and pebbles in heavy-duty conditions demands the most of the material, which is why ANNABURGER's design engineers only use extremely stable Hardox steel for the Hard-Liner tipper.





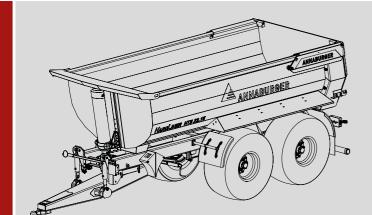
#### Stable even at a high tipping angle

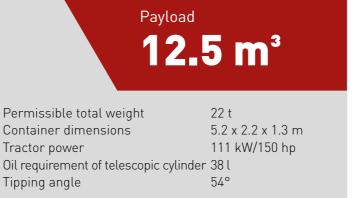
The HardLiner must remain still when tipping its cargo, even on the uneven ground of a construction site. This is why ANNABURGER's design engineers rely on an unsprung tandem pendulum chassis here: It is a special professional chassis for use on construction sites. The robust and torsion-resistant frame is positioned on the chassis. This provides good stability.

Even sticky and wet clay is tipped quickly thanks to the 54° tipping angle. The four-stage tipping cylinder requires only 38 litres of hydraulic oil for this process.



The possibilities are endless – higher load capacities are possible on the construction site A further 30% load capacity reserves can be utilised when driving on construction sites: The technical axle load is  $2 \times 12$  t.





#### Driving in comfort

The drawbar has hydraulic suspension, which ensures increased comfort while driving as well as reduced wear. It also makes hitching the trailer more simple.

#### Approved for all roads

Right of way for this sophisticated design: Despite its large 600/55R26.5 cross-country tyres, the HardLiner is narrow with a width of just 2.55 m, enabling a construction site specialist to drive on public roads without the need for a special permit.

### Costs speak in favour of the tipper combination

Costs are a constant preoccupation for business owners in the agriculture and construction industries. The HardLiner is especially cost-effective when used with a tractor, as the vehicle-trailer combination is more flexible, ensuring utilisation all year round.

#### HTS 22.15 technical specifications

Permissible total weight	22 t
Own weight	5.5 t
Payload	17 t
Axle load	2 x 9 t (technically 2 x 12 t)
Drawbar load	4 t (K 80 lower hitch)
Overall length	7.6 m
Tipper length	5.3 m
Width	2.55 m
Height	2.56 m (with 560/60R22.5)
Transport capacity	12.5 m <sup>3</sup>
Tipping angle	54°
Material thickness of base	6 mm Hardox
Material thickness of side panels	4 mm Hardox



An enormous daily output: ANNABURGER chaser bins have large payloads and strong conveying augers. These can process up to 20 m<sup>3</sup> per minute.

ANNABURGER

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### Working without interruption thanks to the ANNABURGER chaser bin

Efficiency during harvesting: Brief time windows require maximum machine utilisation. The combine harvester must never be stationary. The combine harvester output can be increased by up to 25% by using the chaser bin.

This is why the chaser bin must have both a high throughput capacity and a large silo volume. Everything working together. The yardstick: The greater the volume and the higher the speeds, the better.

The ANNABURGER chaser bins in six performance classes offer just that: Reliability and efficiency.

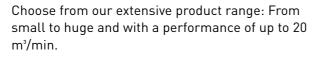
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### When it comes to strong performance

### ANNABURGER chaser bins can be used universally

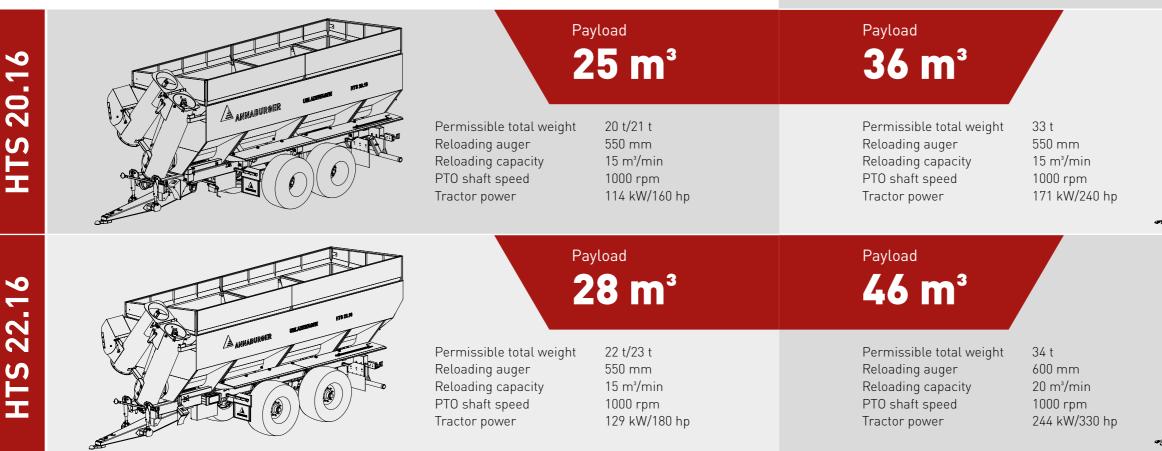
You can also use the chaser bins to fill seeding machines and fertiliser spreaders, as well as to transport seed and fertiliser.

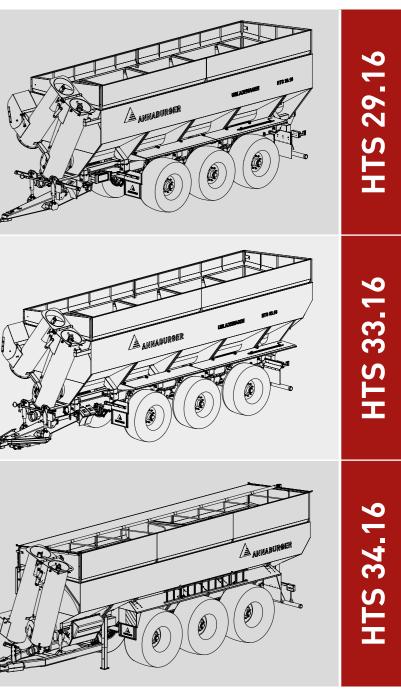


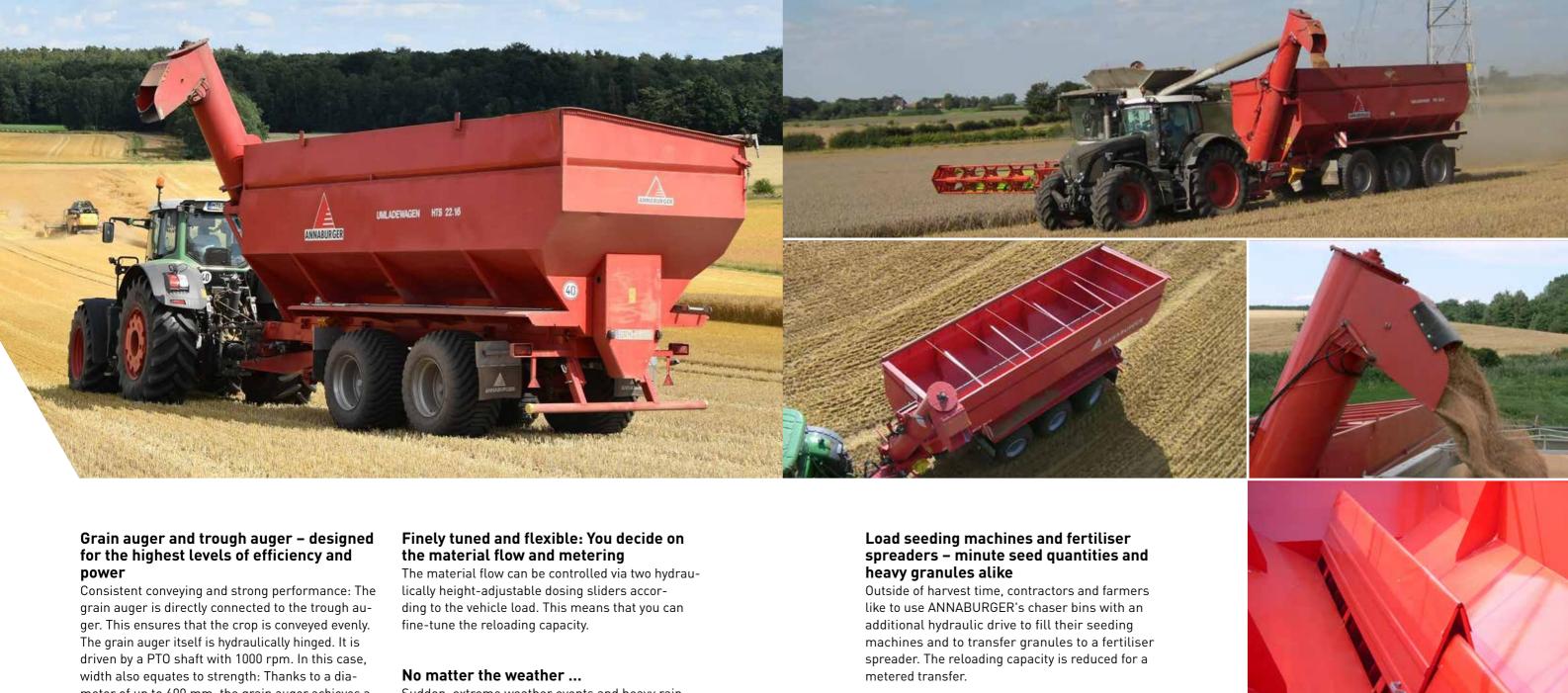
### Chaser bin with tridem chassis



### Chaser bin with tandem chassis







meter of up to 600 mm, the grain auger achieves a reloading capacity of up to 20 m³/min.

The horizontal trough auger can be driven hydraulically. The cleaning ducts on the augers are extremely practical: The cleaning openings on the trough auger can be hydraulically actuated.

Sudden, extreme weather events and heavy rain can put your harvest at risk, while losses during transport are also unwelcome. You are on the safe side with our waterproof, UV-resistant roll-up tarpaulin with rack-and-pinion activation; you can also operate it easily from the ground.

#### Overloading with precision

The hydraulically pivoting overloading auger and the hydraulically adjustable output make it possible to flexibly reload the material to different transport vehicles depending on the design and height of the vehicles. Together with the hydraulically pivoted outlet on the grain auger, these guarantee precise material delivery.

#### Drive mechanics: Reliable and with large dimensions as a matter of course

Reliability counts: Our experienced design engineers develop every ANNABURGER chaser bin to be so stable and robust that they have endless potential, even under extreme loads during the harvest season.

The result is reliability, performance and satisfaction for customers.

Performance classes	HTS 20.16	HTS 22.16	HTS 29.16	HTS 33.16	HTS 34.16
Total weight (t)	20/21	22/23	29/30	33	34
Payload (m³)	25	28	33	36	46
Reloading auger (mm)	550	550	550	550	600
Reloading capacity (m³/min)	15	15	15	15	20
Tractor power (hp)	160	180	150	240	330
Chassis	Tandem chassis	Tandem chassis	Tridem chassis	Tridem chassis	Tridem chassis



Even and variably controllable unloading: You can unload your goods easily in every situation thanks to the SchubMax Plus.

SCHUB - MAX PLUS

HTS 29.17

### Pushed instead of heaped with ANNABURGER's SchubMax Plus

Transport vehicles that push their loaded material out instead of tipping it or heaping it up in a pile have been gaining ground in recent years. This is because many places now have barns that are too low for tipping. Or plants at which unloading must be very precise. Or on difficult terrain where goods cannot be dumped.

In addition, the SchubMax Plus is also a very safe vehicle, even on uneven terrain, as the tipper's centre of gravity does not change during pushing.

### Many benefits – one SchubMax Plus

All these reasons have compelled many contractors, logistics experts and farmers to add pushing unloading trailers to their fleet.

The ANNABURGER SchubMax Plus is quite simply a strong, high-performance companion with intelligent technology. Its payload is just gigantic – in every performance class. As its side panels are quite low with heights from 1.80 m, it can be easily and quickly loaded using the front loader or telescopic loader (min. loading height: 3.3 m).

### SchubMax Plus with tandem chassis

Payload **39 m<sup>3</sup>** 

Permissible total weight Payload at height of 1.8 m Container dimensions Unloading time (at 100 l/min) Tractor power Oil requirement of push cylinder 23 t 31 m<sup>3</sup> 7.6 x 2.3 x 2.2 m 40 s 129 kW/180 hp 40 l

### SchubMax Plus with tridem chassis

Payload 50 m<sup>3</sup>

SCHUB-MAX

HTS 29.17

Permissible total weight Payload with attachments Container dimensions Unloading time (at 100 l/min) Tractor power Oil requirement of push cylinder 30 t/33 t 200 mm - 53 m<sup>3</sup> 9.1 x 2.3 x 2.2 m 50 s 150 kW/210 hp 50 l

2

#### In use from January through to December

What's more, the SchubMax Plus is versatile and can be used all year round: Whether for transporting and pushing off grass or maize silage, rape or grain during the harvest period, or potatoes, sugar beets, wood chips or snow in the winter season.

#### Extra flexibility

The vehicle can also be equipped with a DLG-tested spreading unit as an option.





HTS 22.17





#### Different by design – the variably controllable pushing wall

Thanks to the stable, specially shaped pushing wall – with a thrust of 25 t – the ANNABURGER SchubMax Plus unloads its goods very uniformly, as the speed of the pushing wall can be continuously controlled. This precision is especially important, for example, when loading machines or conveyor belts. But it is also essential during harvest time, when speed is of the essence.

- Whether highly adhesive, sticky goods or grain, it is all pushed off with force. And all this quickly, without leaving anything behind and with even control: Large tractor hydraulic system – large unloading capacity!
- The pushing wall can compress more lightweight goods by up to 50%. This doubles the loading capacity.
- As the pushing wall is guided along rollers, it does not tilt in the tipper.
- Whether transporting or unloading: The elastic sealing system developed by the ANNABURGER design engineers stops any valuable goods from being lost.



Performance classes	HTS 22.17	HTS 29.17	HTS 33.17
Permissible total weight	23 t	30 t	33 t
Payload	42 m <sup>3</sup>	50 m <sup>3</sup>	50 m³
Container dimensions L x W x H $$	7.6 x 2.3 x 2.2 m	9.1 x 2.3 x 2.2 m	9.1 x 2.3 x 2.2 m
Unloading time (at 100 l/min)	40 s	50 s	50 s
Tractor power (hp)	129 kW/180 hp	150 kW/210 hp	150 kW/210 hp
Thrust of cylinder	25 t	25 t	25 t
Oil requirement of push cylinder (l)	40 l	50 l	50 l

### Universally usable transport vehicle – cleverly combined

- The ANNABURGER SchubMax Plus can also be used as a fertiliser spreader thanks to the plate spreader: The quantity is released with precision using the pushing wall; the plate spreader, tested by the German Agricultural Society (DLG), optimally distributes the spreading material. The sturdy design of the cam clutches protects the tearing rollers and spreader discs from overloading and foreign objects.
- Of course, your precious cargo must get to its destination safely: QuickCovers or roll-up tar-paulins ensure the load is kept safe and secure.





### Control unit, regulation and smart farming: **Targeted and efficient with ANNABURGER**

Efficient and maximum yields require the highest level of precision in modern agriculture. This is the only way to make savings in resources, economy and ecology.

Of course, ANNABURGER offers farmers, contractors and municipal employers a modern, customised ISOBUS solution. The system detects different machines and adapts the control of distribution and other functionalities.

At the heart of this control unit is a terminal, which can be regulated via the tractor's operating panel or joystick. ANNABURGER follows your lead: You

can use the ISOBUS-compatible terminal of your tractor or you can use our terminal.

#### User-friendly, simple and manufacturer-independent

- Our own fully developed software for applications in slurry technology, universal muck spreaders, chaser bins, rear tippers and push unit trailers
- Customised configuration of your application areas - fast and reliable
- Extremely user-friendly thanks to intuitive graphical user interface
- There is the option to retrofit ANNABURGER ISOBUS

### **ISOBUS by ANNABURGER – multifunctional**

ANNABURGER offers its customers technically advanced ISOBUS solutions including connection to the tractor.

#### **CONTROL UNIT**

### REGULATION

- Application rate regulation - Moving floor
- Slurry technology
  - Section control - Slurry technology

- Slurry technology

• Precision farming

- Moving floor

**SMART FARMING** 

 Nutrient analysis VAN-CONTROL 2.0 - Slurry technology

### **Standard control** unit

#### Simple control panel for the standard control unit

The ANNABURGER standard control unit comes with a clearly laid out control panel. You can use it to control all the functions you need at the push of a button.

This control unit is ideal for simple applications that do not require ISOBUS.



### **ISOBUS**

ISOBUS - the standardised interface has prevailed. You can control the trailer functions using a built-in or external terminal.

The GPS allows you to work with precision and create digital documentation of your work. You can connect the tractor and trailer in just a few steps. ANNABURGER offers you technically advanced ISOBUS solutions



### Mechanical scales or UniScale

#### Keeping an eye on your weight:

- Weighing on-site saves time and increases efficiency
- You are given proof of your daily output
- You can check weights that need to be complied with and prevent overloading



# The demands on axle and chassis increase with increased speeds

Depending on size, speed and application, different chassis might be suitable. Typically ANNABURGER: Flexibility for our customers, providing you with the right solution.

### Ideal for Tandem and Tridem up to 65 km/h: The hydraulic chassis

This chassis meets premium requirements and is therefore extremely well suited for high levels of driving output on the field and on the road. The hydraulic chassis suspension systems provide excellent comfort and stability under continuous load and on uneven terrain. Vehicles with wide, large-volume tyres especially benefit from this type of chassis. The hydraulic chassis is available with self-steering or forced steering.

#### Simple design and function: The chassis with parabolic suspension

On a chassis with parabolic suspension, the pendulum radius is limited. Ideally suited for routine journeys on level terrain with a constant load.





### To ensure the drawbar fits the chassis ...

Flexibility plays an important role in this case, too: ANNABURGER offers rigid drawbars, drawbars with parabolic suspension (basic only) and drawbars with hydraulic suspension.

- The advantages of the drawbars with parabolic suspension are lower weight and less wear.
- The hydraulically suspended drawbar enables the vehicle to be set to the coupling height. This makes it easy to connect. The permanent suspension increases driving comfort and reduces wear.



#### Adapted tyre pressure protects the ground

Having a healthy ground structure is important for future yields, even when the ground has to withstand extremely heavy loads. That's why you can fit ANNA-BURGER vehicles with a tyre pressure control system that lets you adjust the tyre pressure conveniently from the cab, switching from road pressure to field pressure at the push of a button. This can also be very useful on difficult terrain.

The advantages for you: You reduce soil pressure on the field, protecting your crop areas. And on the road you save fuel and reduce tyre wear.

Handling is easy: You can automatically set a preselected air pressure. The air pressure in each tyre is also compensated automatically.



### High level of safety thanks to forced steering

Risk-free manoeuvring: It's a real challenge for the driver to manoeuvre large vehicles safely along winding roads without a forced steering system.

ANNABURGER offers a forced steering system with either hydraulic or electronic steering signal take-up. The mechanical load on the components is decreased, and driving comfort is increased. Even if the worst comes to worst, if a cable or hydraulic hose is ruptured, the forced steering system ensures that the trailer stays on the road or on the track.



# Your specialist for transport and organic fertilisation in farming

### Specialist tasks should be left to the specialists.

ANNABURGER Nutzfahrzeug GmbH is precisely that: One of Germany's leading manufacturers of highly specialised agricultural utility vehicles for transport and organic fertilisation.

Our products provide exactly what farmers and contractors, municipal customers and transport companies are looking for today: Performance, reliability and quality, in a word: Efficiency.

#### In-house production – the basis for quality and innovation – Made in Germany

For this reason, we develop and manufacture in our own plants: It means we can produce exactly what our customers want. And we continue to develop innovations that make our customers' lives easier and more convenient. This is what drives us.

### The advantage of this sophisticated level of manufacturing is flexibility

We already provide a wide range of products and consistently focus on the market. As a healthy medium-sized company, we bring together customer orientation, field practice and strength of innovation.

#### Positioned in the heart of Europe, operating worldwide

The town of Annaburg has been synonymous with vehicle construction for many decades now. ANNABURGER Nutzfahrzeug GmbH has been in Saxony-Anhalt for over 25 years: In the centre of Germany, in the heart of Europe. We supply to over 20 countries all over the world.



### Consultation and service – under one roof, with purpose and competence

From initial contact through to final delivery, you'll find our staff ready to help you and assist you every step of the way. We think this goes without saying with such complex products.

### And we will continue to be available after your purchase

Our customer service centre staff will take care of your concerns: They will be there when you need us. Our service engineers are also available to help you with regular maintenance requirements.

Contact: service@annaburger.de

#### The right product – quick and safe

Do you need wear and spare parts? We will give you specific advice so that you can have the parts you need delivered immediately – with overnight delivery or courier.

Contact: parts@annaburger.de

Totally reliable: ANNABURGER promises satisfaction from start to finish.

### Individual solutions for commercial vehicles too

Agriculture and logistics are becoming ever more intertwined: ANNABURGER has the experience and competency needed.

We offer truck technology in the agricultural and commercial vehicle sectors for large companies with high transport requirements. We have GRP tank semi-trailers, push unit semi-trailers as well as spreader semi-trailers and various attachments.

### On the road to success for many years

Innovative talent, individuality and customer focus – ANNABURGER yesterday, today and tomorrow

2017	New to the range: The EcoTanker GRP tank trailer with just 5.3 t unladen weight
2015	A new generation of high-performance spreaders is launched
2011	The first FieldLiner: Enormous loading volume – for precise overloading of cuttings
2010	Start of TeleLiner production: Transport and spreading in one vehicle
2007	The first SchubMax: Pushing instead of tipping
2005	The first chaser bin is ready
2000	SchubFix, the first push unit vehicle, is built
1998	Start of production of the truck semi-trailers for slurry logistics. Push unit trailers, silage trailers and spreaders soon follow.
1997	Multiland is born: an changeover system with three components
1994	First truck attachments for slurry. Dump trucks and containers
1991	Founding of the current company, ANNABURGER Nutzfahrzeug GmbH. The strategy is clear: A single source for transport and distribution in agriculture.
1989	The first silage transport trailer comes off the assembly line
1970	Our own development department is founded: A guarantee for endless technical innovations
1968	The first HTS 100.27 slurry trailer leaves the yard: It becomes an icon in Eastern Europe with over 40,000 sales
1962	The first manure spreader paves the way for the future
1961	The beginning of slurry transport technology
1960	The first dump truck is delivered to the custo- mer
	A pioneering spirit: Construction of the first trailer in Annaburg

### ANNABURGER worldwide



#### Contact

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