

# S-line forwarding trailers



## S-line forwarding trailers

The Pfanzelt S-line forwarding trailers are especially designed for use by private forest owners and semi-professional operations. The reliability of the technology has the same priority as for professional. However, the job description is different.

The Pfanzelt S-line forwarding trailer is especially designed for service with private wood owners and semiprofessional operations.

An important criterion when buying a forwarding trailer is the safety equipment. Pfanzelt forwarding trailers offer all safety features required by KWF, FPA and the trade association.

Technical specs ► Page 66

## The types

### Forwarding trailer S6

The S6 model is the new entry level model in the Pfanzelt forwarding trailer range. A compact forwarding trailer with considerable power.

### Forwarding trailer S9

Launched in 2009, the S9 S-line forwarding trailer (old designation 9242), it is now the best seller of the S-line series. Optionally, the compact forwarding trailer is equipped with a hydraulic overrun brake.



S-line rear trailers live in action.  
[youtube.com/pfanzeltTV](https://www.youtube.com/pfanzeltTV)



6-9.2 t



6.3-7.2 m



### Technical details that impress:

- Load capacity in the forest 6 or 9.2 t
- Double frame made of special steel
- Type approval for public roads (depending on equipment)
- Modern and powerful Profi cranes
- Heavy duty slewing gear for powerful pivoting, even uphill
- Independent hydraulic oil supply with protected piston pump installed in the draw bar (optional)
- Accessories for forestry professionals: High-sided floor pan, crane cable winch

Certified quality:



Made in Germany



# S-line forwarding trailers

## Technical details at a glance:

**R** The crane is designed according to the **Crane load class B4** for continuous dynamic load. ► Page 96

**R** A carefully conceived system of **concealed hoses** over the entire crane minimises downtime. ► Page 61

**R** Protected against damage during loading, the piston rod is installed behind the front grille. ► Page 96

**R** **Rotary transmissions** maximise the functional safety and service life of the hydraulic hoses.

**R** The hydraulic hoses are run in a **hose shaft** to protect the user at the operating console.

**R** **Ergonomic operation** via joystick control or control panel for cable and wireless control.

**R** **Operating console** with non-slip standing plate, ladder and back support for optimum working safety.

**R** The large **oil supply tank** is installed so as to protect it from damage and prevent impairment of the field of vision. ► Page 101

**R** Very stable and powerful **four-cylinder slewing gear** made of cast metal with a high swivel torque. ► Page 98

**R** **Steering drawbar** for top and bottom hitching with protected axial piston pump (up to 350 bar). ► Page 68

**R** A **one-man system** for **mechanically locking** the steerable draw bar when driving on public roads.

**R** The chainsaw and canister are stored neatly and safely. There is space for small materials in the toolbox.

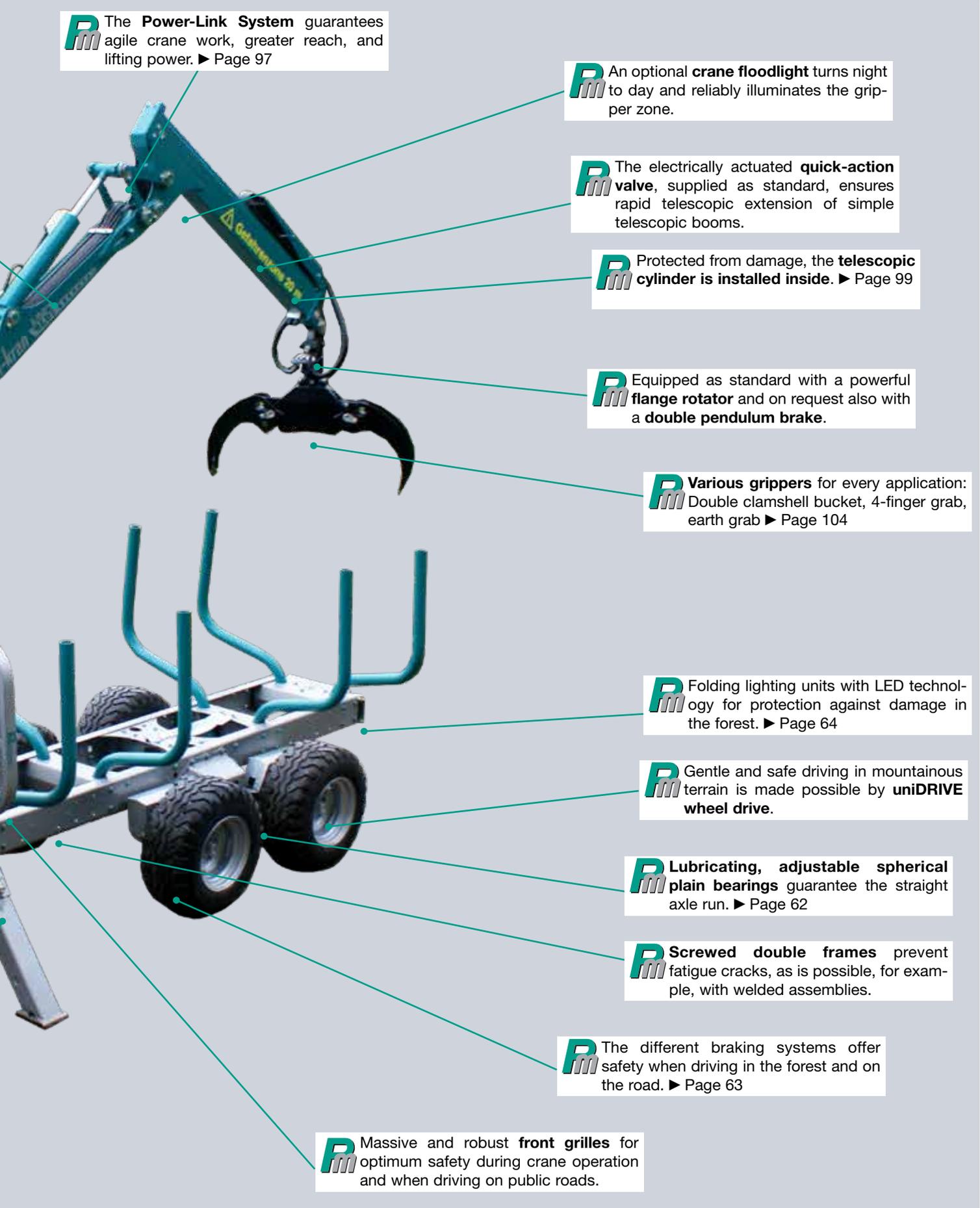
**R** Space saving **A-column stabilisers** with concealed cylinders ensure a high degree of stability when parking.



6-9.2 t



6.3-7.2 m



**R** The **Power-Link System** guarantees agile crane work, greater reach, and lifting power. ▶ Page 97

**R** An optional **crane floodlight** turns night to day and reliably illuminates the gripper zone.

**R** The electrically actuated **quick-action valve**, supplied as standard, ensures rapid telescopic extension of simple telescopic booms.

**R** Protected from damage, the **telescopic cylinder is installed inside**. ▶ Page 99

**R** Equipped as standard with a powerful **flange rotator** and on request also with a **double pendulum brake**.

**R** Various **grippers** for every application: Double clamshell bucket, 4-finger grab, earth grab ▶ Page 104

**R** Folding lighting units with LED technology for protection against damage in the forest. ▶ Page 64

**R** Gentle and safe driving in mountainous terrain is made possible by **uniDRIVE wheel drive**.

**R** Lubricating, adjustable **spherical plain bearings** guarantee the straight axle run. ▶ Page 62

**R** **Screwed double frames** prevent fatigue cracks, as is possible, for example, with welded assemblies.

**R** The different braking systems offer safety when driving in the forest and on the road. ▶ Page 63

**R** Massive and robust **front grilles** for optimum safety during crane operation and when driving on public roads.

# S-line forwarding trailers

## Technical details S6

### Double frame (S6)

The frame of the S-line S6 is designed as a bolted parallel frame. In this way, the loading bed can be used flexibly for different trunk lengths. Metre wood can be loaded at right-angles without conversion.

As an option, the S6 can also be equipped with a high-sided floor pan. It consists of two parts and can be mounted quickly and easily with the crane.



### Power link system

The toggle system on the forestry crane – also known as the power link system – between the main boom and folding boom ensures optimum crane geometry for loading work. Ergonomic loading directly onto the front grille is also thus made possible.

Protected from damage when loading and unloading the forwarding trailer, both hydraulic cylinders are located above the main arm. It also ensures constant force, greater reach and a higher working speed.

### Ergonomic operation

The operating station on the drawbar provides a well organised work station outside the hazard zone with an optimum view. The crane control, which has two cross levers with an electric switch each, enables easy and comfortable crane operation.



Technology explained in detail.  
[www.pfanzelt.com](http://www.pfanzelt.com)



6-9.2 t



6.3-7.2 m



## S-line forwarding trailers



### Hose routing

Protected routing of the hydraulic hoses from the control block to the tip of the crane ensures low downtimes and maximum safety at work.

Pfanzelt's highest priority is to ensure that the hydraulic hoses are secured over the entire crane or installed internally.



### Stabilisers

Protected from damage when loading, the cylinders of the A-pillar support are installed inside. The telescopic structure of the stabilisers ensures secure support even in thick stands of timber and on slopes. It also allows a close approach to the polder to use the loading crane's full lifting capacity.



Technology explained in detail.  
[www.pfanzelt.com](http://www.pfanzelt.com)



### Crane winch

The new Pfanzelt crane cable winch extEND offers more comfort and safety in use.

- Tractive force 1.5 t, cable capacity 50 m
- Professional forestry radio system
- Mechanical trailing drum brake

# S-line forwarding trailers

## Technical specs S6 and S9

### U-profile double frame (S9)

The frame of the S-line forwarding trailer is made of two U-beams of special steel which are bolted together to form a double frame. This system is also widely used in truck manufacture. The torsional forces that are generated when working with loading cranes and driving on rough terrain must be absorbed by the frame. So that the frame can cope with these forces it is made of U-profiles and completely screwed together with special flange bolts. The possibility of fatigue cracks as known from welded structures is therefore excluded. The possibility of fatigue cracks as known from welded structures is therefore almost excluded.



As soon as the last two stanchions have been turned, the forwarding trailer can also be loaded with metre wood bundles or loose metre wood at right angles to the direction of travel.

### Bogie axle

The bogie axle of the Pfanzelt forwarding trailers offers stability during crane operation and the greatest possible off-road mobility when driving, especially in forwarding lanes. The even distribution of the ground pressure is another big advantage.

The bogie axis of the S9 model has spherical plain bearings which can be lubricated and adjusted. This guarantees true running for many years.



6-9.2 t



6.3-7.2 m



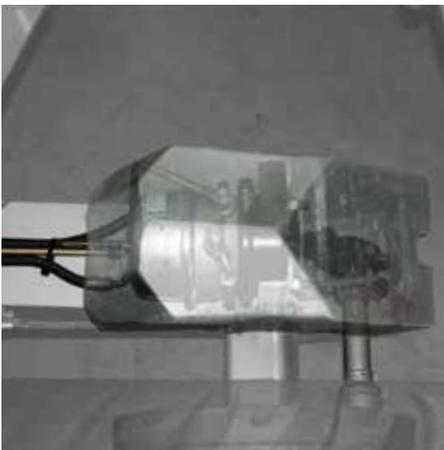
Technology explained in detail.  
[www.pfanzelt.com](http://www.pfanzelt.com)

### Brake system

S-line forwarding trailers are equipped with a braking system as standard. The narrow membrane brake cylinders are completely concealed with a protective cover. Therefore, the braking system cannot be damaged by sticks or the gripper.

- **S6**  
*Series:* Hydr. 2-wheel brake  
*Option:* 2-wheel-overrun brake
- **S9**  
*Series:* Hydr. 2-wheel brake  
*Option:* Hydr. 4-wheel brake,  
 4-wheel overrun brake,  
 4-wheel air pressure brake

The Pfanzelt **hydraulic overrun brake (S9)** made by Pfanzelt transmits the braking force from the overrun device directly to the brakes without mediation by rods or Bowden cables which are susceptible to faults. For increased safety when reversing and off road, the hydraulic overrun brake is combined with an additional hydraulic brake that can be manually actuated via a tractor control unit.



### Steerable draw bar

The steerable draw bar with high steering angle available as standard with the S-line forwarding trailers enables easy manoeuvring in dense standing timber. Two powerful hydraulic cylinders facilitate operation even when the laden forwarding trailer is turned against the slope. The steerable draw bar can be mechanically locked when driving on roads.



### LED lighting with indicator monitoring

The lighting system using LED lights is integrated in the frame. To protect the lights when working in the forest, these can be folded in.



### Road travel (S9)

Travel on public roads is no problem for Pfanzelt machines, even when loaded. All Pfanzelt forwarding trailers are optionally available with a road licence.



### Base plate (S9)

The floor pan is suitable for the combined transport of logs and branch material.

### Round bale loading body (S9)

The round bale loading body enables easy loading and transport of round bales. Special gripper attachments simplify the handling of round bales.

### ◀ High-sided floor pan (S6, S9)

The hot-dip galvanised high-sided floor pan is designed for transporting branch and cut material.



6-9.2 t



6.3-7.2 m



### uniDRIVE (Option for S9)

Pfanzelt's new hydraulic wheel drive uniDRIVE sets new standards in the price-performance ratio and is available for the S9 model.

The cable remote control offers a comfortable control.



uniDRIVE - Technology in detail  
[youtube.com/pfanzeltTV](https://youtube.com/pfanzeltTV)

### powerDRIVE (option for S9)

The new hydraulic wheel drive powerDRIVE made by Pfanzelt offers a new wheel hub drive dimension.

- **Maximum thrust 6.1 t**
- Proportional drive for forward and reverse travel
- All brake systems can be combined with wheel hub drives
- Automatic drive switch-off when braking
- Freewheel for wear-free road travel

The wheel hub drive made by Pfanzelt combines all advantages in the forest and on road. In addition to the good road handling characteristics, chains can be fitted for working in forests.

The wheel hub drive is equipped with an electric control unit (left picture), by which the driver can control the drive from the tractor cab. This allows the operator to switch between the simple drive for forward travel and reversing and a hill start assistance.



Technology explained in detail.  
[www.pfanzelt.com](http://www.pfanzelt.com)