# Forwarding trailers

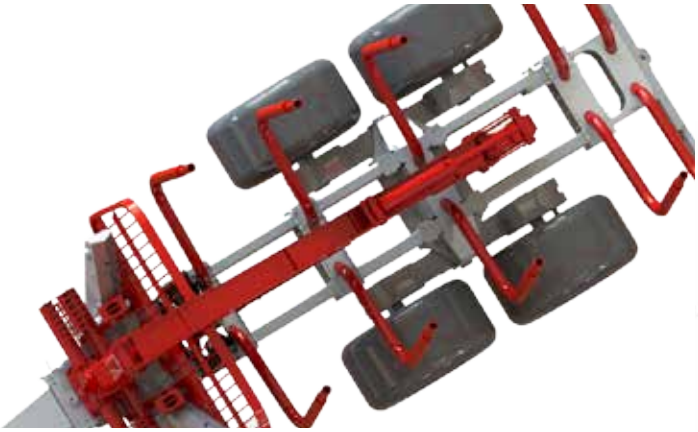
## For every application

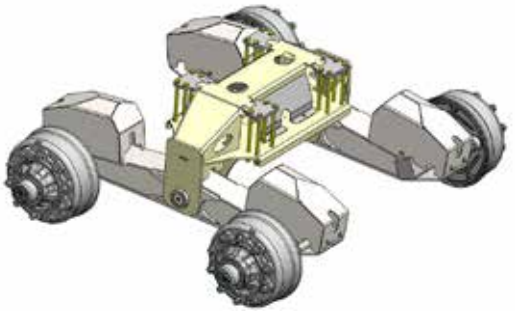
Individuality combined with maximum flexibility allows us to meet the demands of tomorrow. The forwarding trailers have been developed for professional use by forestry and forestry companies. The forwarding trailers by

Schlang & Reichart are suitable for every application under the toughest conditions and can be customised to specific requirements. Quality features of the forwarding trailers are e.g. the robust frame made of torsion-resistant fine-grained steel or the heavy-duty forestry cranes. In order to reach the work areas quickly, all forwarding trailers from Schlang & Reichart are delivered with a road approval. On request the vehicle can also be approved at 40 km/h.

# Forwarding trailers

## Technical details



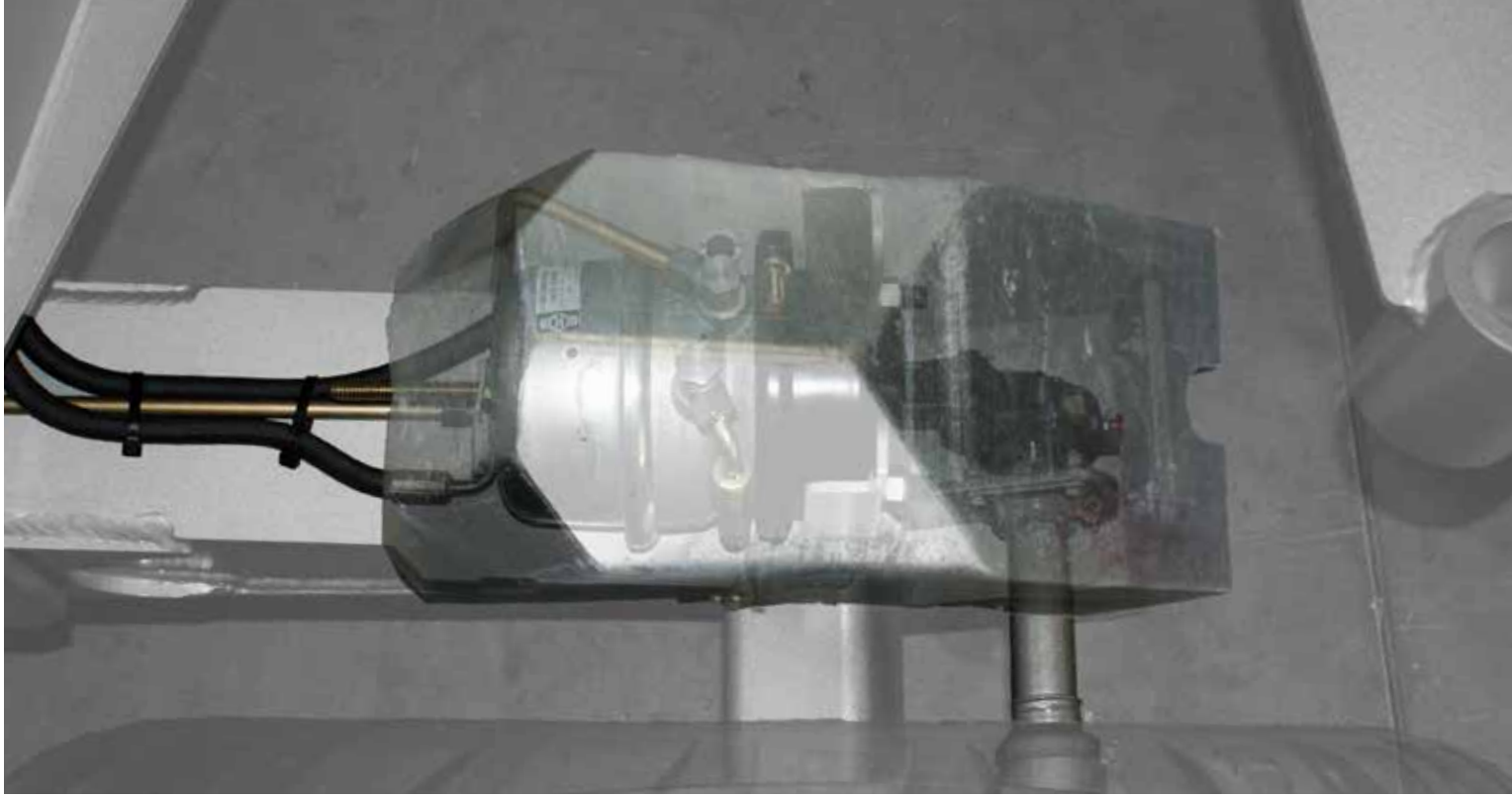


**Frame**
The robust frame consists of a torsion-resistant double frame made of fine grain steels. This ensures maximum ground clearance and stability. The torsional forces that are generated when working with loading cranes and driving on rough terrain can therefore be optimally absorbed by the frame.

The frame can be extended by 900 mm for a flexible adaptation of the forwarding trailer to different load lengths. The axle boom can also be shifted and the support load of the trailer can be adjusted (except SR.950).

**Bogie axle**
For ground-conserving driving and maximum off-road driving, the suspension of all Schlang & Reichart trailers is equipped with a boogie axle. This also significantly increases the stability in the crane work. In order to ensure a correct straight run over the years, the boogie axle is stored in adjustable and malleable spherical joint bearings.

**Hitch**
When forwarding, you can choose between different variants. In addition to an overhead suspension, this can also be designed as a bottom attachment. Both are also available as ball-and-socket hinges.



**Brake system and road approval**

The SR.950 forwarding trailer is equipped with a hydraulic 2-wheel brake as standard.

This can also be equipped with a hydraulic overrun brake. This is where the braking force from the start-up device transmits direct to the brakes without mediation by rods or Bowden cables that are vulnerable to faults. For increased safety when reversing and off road, the overrun brake is combined with an additional hydraulic brake that can be manually actuated via a tractor control unit.

The types SR.1100 and SR.1400 are equipped as standard with a compressed air brake with spring accumulator. Rides on public roads are possible with the standard TÜV approval, even with loading.

**Steerable draw bar**

Perfectly suited for riding in tight spaces is the standard steering column with a high steering angle. Two powerful lifting cylinders, which can be operated by the tractor, ensure reliable operation even when pivoting with a load-bearing trailer mounted against the slope.

In road driving, the operator can easily lock the drawbar in the one-man system.

**Transport systems**
For the transport of different cargoes, the trailer can be equipped with various transport systems.

The hot-dip galvanised section vessel (picture above, left half of the tank) is designed for transporting branch and cut material.

For the combined transport of logs and branch material the floor trough (picture above, right half of the bath) is suitable.

**LED lighting with indicator light**
The lighting of the trailer is important for road trips.

In order to preserve these in stock, this can simply be folded in.

Longer service life and reliability are therefore ensured.

**Storage box and holder**
Chain saws and fuel canisters can be practically and neatly stowed on the forwarding trailer. An additional, lockable storage bin is ideally suited for lashing belts, tools and other small items.


**Cranes**
Schlang & Reichart forestry cranes are designed for professional service. The crane program includes loading cranes in various lifting classes. All cranes come equipped with significant lifting force, as well as a high swinging moment.

The technical details can be found on page 58.


# Too little drive?

Schlang & Reichart forwarding trailers
can optionally also be fitted with drive systems.

# Forwarding trailer drive systems

**Hydraulic wheel hub drive**
The wheel hub drive made by Schlang & Reichart is the obvious choice in the forest and on the road, because in addition to the good roadability can be driven in the forest also with chains.

The wheel hub drive is equipped as standard with an electrical control unit. The driver is thus able to comfortably control the drive from the tractor cab. This allows the operator to switch between the simple drive for forward travel and reversing which is automatically switched off during braking and an uphill assist function.

**UniDRIVE wheel drive**
The new hydraulic wheel drive uniDRIVE sets new standards in price-performance ratio.

- Maximum thrust per wheel up to 2 t
- Maximum speed up to 8 km / h
- Hydraulic supply via oil supply or hydraulic system of the tractor
- Extending the drive prevents wear during road trips
- Mounting of anti-skid chains possible

# Forwarding trailers

## Technical specs

| Type | SR.950 | SR.1100 | SR.1400 | SR.1400X |
|---|---|---|---|---|
| Construction | Double frame construction clamped with profile pipe (200 x 100 mm) | | | |
| Frame extractor (mechanical) | - | 900 mm | 900 mm | 900 mm |
| Long flat bed | 4,000 mm | 4,000 mm | 4,000 mm | 4,000 mm |
| Front grille area | 2.37 m² | 2.37 m² | 2.94 m² | 3.10 m² |
| Empty weight (with crane in series edition) | 2,800 kg | 3,150 kg | 3,790 kg | 3,890 kg |
| Permitted total weight on public highways | 9,200 kg | 13,000 kg | 15,000 kg | 15,000 kg |
| Load capacity on non-public roads | 10,000 kg | 11,000 kg | 13,000 kg | 13,000 kg |
| Axle | sliding | sliding | sliding | sliding |
| Brake system | Hydrl.-2-wheel brake | Compressed air brake with spring accumulator | Compressed air brake with spring accumulator | Compressed air brake with spring accumulator |
| Brake surface | 300 x 90 mm 8-hole rim | 300 x 90 mm 8-hole rim | 406 x 120 mm 10-hole rim | 406 x 120 mm 10-hole rim |
| Tyres | 380/55-17“ 14 PR Groove tread | 480/45-17” 14PR Groove tread | 500/45-22.5” 12PR Groove tread | 500/45-22.5” 12PR Groove tread |
| Lighting | LED lighting acc. StVZO (protected in the frame) | | | |
| Operating station | Control panel on the draw bar | | | |
| Stabilisers | Flap-down support | | | |
| Stowage space | Lockable pole, holder for chainsaw and fuel canister | | | |
| **Crane** | **4267** | **4272** | **5280** | **5280** |
| Crane length | 6,340 mm | 7,140 mm | 7,800 mm | 7,800 mm |
| Lift moment net | 40.5 kNm | 40.5 kNm | 51.0 kNm | 51.0 kNm |
| Pivoting moment | 15.2 kNm | 15.2 kNm | 22.0 kNm | 22.0 kNm |
| Crane control | 8-way mechanical, 2 control toggles with2 electrical functions for gripper and telescope | | | |
| Grippers | Two-row gripper type 230 (opening width 1.250 mm) | | | |
| Acceptance certificates | UVV acceptance of the trailer with crane book, 25 km / h operating license | | | |

| Optional Forwarding trailer equipment | SR.950 | SR.1100 | SR.1400 | SR.1400X |
|---|---|---|---|---|
| **Tyres** | | | | |
| 480/45-17“ Vredenstein | ○ | ● | - | - |
| 520/50-17“ 14 PR Starco forestry wheel | ○ | ○ | - | - |
| 560/45-22.5“ 10-hole rim, Trelleborg | - | ○ | ○ | ○ |
| 600/50-22.5“ 10-hole rim | - | - | ○ | ○ |
| **Brakes** | | | | |
| Hydrl. Overrun brake with Rückmatic | ○ | - | - | - |
| Hydraulic brake on 4 wheels | ○ | ○ | ○ | ○ |
| Compressed air braking system on 4 wheels | ○ | ● | ● | ● |
| Combination brake hydrl. and compressed air braking system on 4 wheels | ○ | ○ | ○ | ○ |
| **Transport systems** | | | | |
| Cut material pan | ○ | ○ | ○ | ○ |
| Floor tubing approx. 4,000 mm | ○ | ○ | ○ | ○ |
| **Other accessories** | | | | |
| Ball head K80 | ○ | ○ | ○ | ○ |
| Draw bar, bottom hitch | ○ | ○ | ○ | ○ |
| Mudguard incl. TÜV approval 40 km / h | ○ | ○ | ○ | ○ |
| **Crane accessories** | | | | |
| Loading crane 4272 (Crane length 7.140 mm / lifting torque net 40.5 kNm) | ○ | ● | - | - |
| Loading crane 4280 (Crane length 7.850 mm / lifting torque net 40.5 kNm) | - | ○ | - | - |
| Loading crane 5280 (Crane length 7.800 mm / lifting torque net 50 kNm) | - | ○ | ● | ● |
| Loading crane 5286 - Double telescope (Crane length 8.600 mm / lifting torque net 50 kNm) | - | ○ | ○ | ○ |
| Loading crane 52100 (Crane length 9.800 mm / lifting torque net 51 kNm) | - | ○ | ○ | ○ |
| Pendulum with internal concealed hoses | ○ | ○ | ○ | ○ |
| Gripper 230, 4-finger | ○ | ○ | ○ | ○ |
| Gripper 270 (opening width 1.560 mm) | ○ | ○ | ○ | ○ |
| Gripper 270, 4-finger | ○ | ○ | ○ | ○ |
| Crane winch 1.5 t pulling force | ○ | ○ | ○ | ○ |
| Own oil supply with piston pump | ○ | ○ | ○ | ○ |
| Hydraulic oil cooler | ○ | ○ | ○ | ○ |
| EHC control with radio or joysticks | ○ | ○ | ○ | ○ |

[1] Serial cable length
● Standard ○ Option - not deliverable

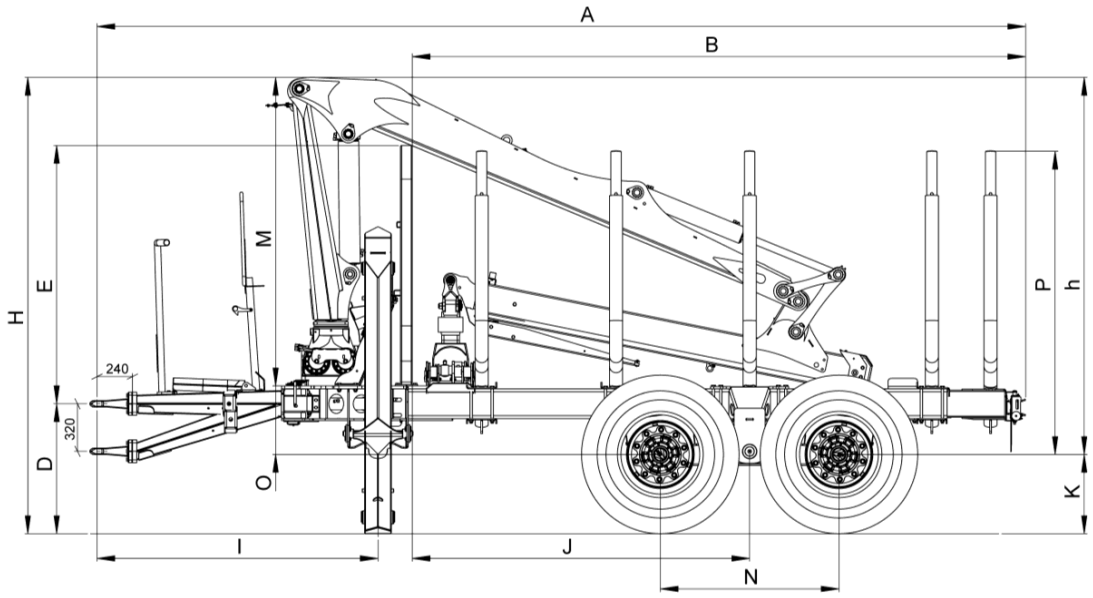
The Schlang & Reichart trailers SR.1100 and SR.1400 can be equipped with additional crane types.

# Forwarding trailers

## Dimensions

| Type | | SR.950 | SR.1100 | SR.1400 | SR1400X |
|---|---|---|---|---|---|
| A [mm] Total length | | 5,950 | 6,290, 6,790 or 7,290 | 6,290, 6,790 or 7,290 | 6,290, 6,790 or 7,290 |
| B [mm] Charging length | | 3,800 | 4,150, 4,650 or 5,150 | 4,150, 4,650 or 5,150 | 4,150, 4,650 or 5,150 |
| C [mm] External width | max.[1] | | | | |
| | min.[2] | | | | |
| D [mm] Height of drawing lug Drawbar straight | max.[1] | 900 | 913 | 936 | 981 |
| | min.[2] | 825 | 832 | 911 | 911 |
| D [mm] Height of drawing lug Drawbar cranked | max.[1] | 580 | 593 | 616 | 661 |
| | min.[2] | 505 | 512 | 591 | 591 |
| E [mm] Grid height above drawbar eye For cranked drawbar + 320 mm | | 1,390 | 1,490 | 1,490 | 1,740 |
| E [mm] Width of front grille | | 1,900 | 2,100 | 2,100 | 2,100 |
| F [mm] Ground clearance | max.[1] | 605 | 618 | 626 | 671 |
| | min.[2] | 530 | 537 | 601 | 601 |
| G [m2] Loading cross section | | 2.37 | 2.37 | 2.94 | |
| H [mm] Height of axle centre | | 1740 | 1,730 | 1,830 | 2,080 |
| H [mm] Total height | max.[1] | 2,750 | 2,763 | 3,016 | 3,016 |
| | min.[2] | 2,675 | 2,682 | 2,991 | 2,991 |
| I [mm] Drawbar eye to support | | 1,900 | 1,900 | 1,900 | 1,900 |
| J [mm] Centre of the axle to the front grille | | 2,285 | 2,285 | 2,285 | 2,285 |
| K [mm] Height of tyres Static semi-knife | max.[1] | 430 | 450 | 475 | 520 |
| | min.[2] | 355 | 369 | 450 | 450 |
| L [mm] External width of stanchions | | 1,950 | 1,950 | 2,150 | 2,150 |
| M [mm] Height of the crane column | 67.42/ 72.42/ 80.42 | 1,850 | 1,850 | 2,080 (high column) | 2,080 (high column) |
| | 80.52/ 100.52/ 80.62/ 100.62 | - | - | 2,080 | 2,080 |
| N [mm] Track width axis | | 1,120 | 1,120 | 1,210 | 1,210 |
| O [mm] Centre of axis to flange surface crane | | 470 | 463 | 461 | 461 |
| P [mm] Height of the axle to the centre of the axle | | 1,630 | 1,623 | 1,741 | 2,037 |

[1] largest tyre variant
[2] smallest tyre variant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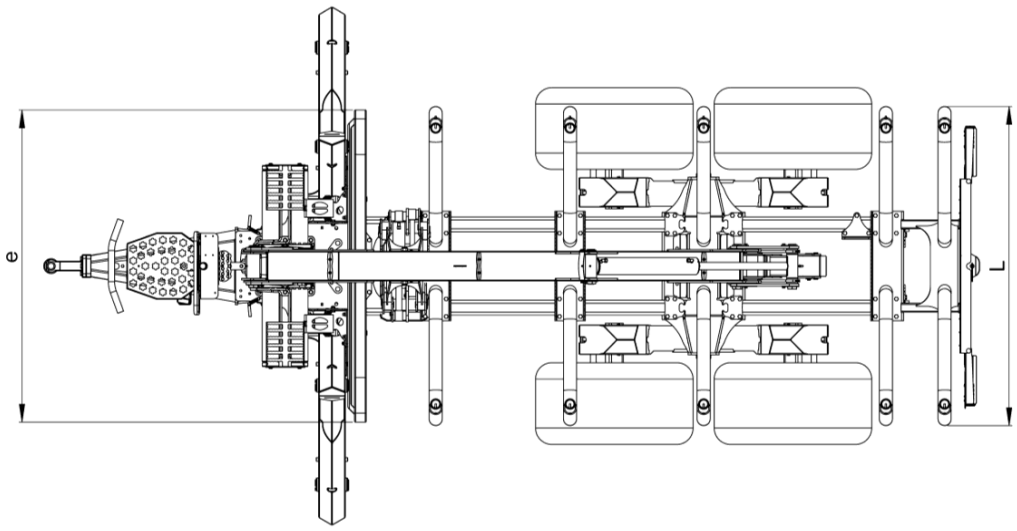
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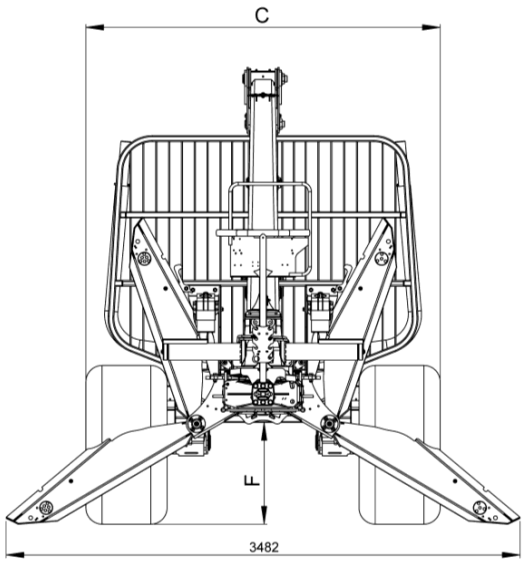
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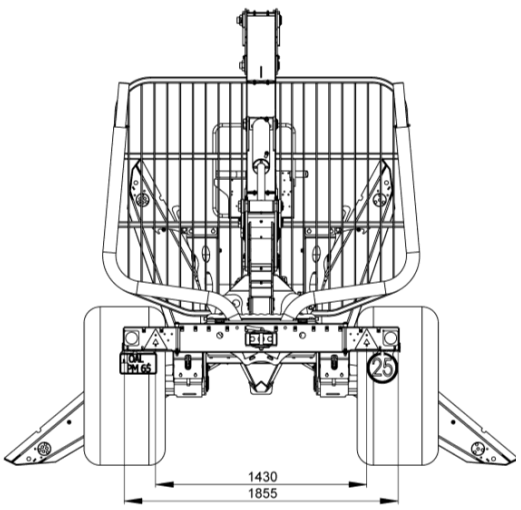
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