

Original Operating Instructions

Bale Gripper



Item no 125.001.002EN

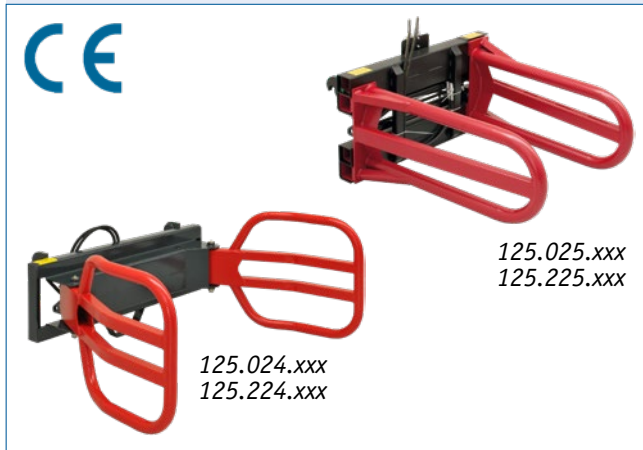
Read these instructions carefully and completely before using the appliance and keep them in a safe place for future reference!



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1. Introduction, Safety Instructions and Warnings



1.1 Introduction

Thank you for your decision in favour of a high-quality **device from Schneider Fahrzeug- und Containertechnik GmbH** (referred to as Schneider). Its robust construction guarantees a long service life.

These **operating instructions** are intended **for the operators and users** of Schneider devices. They contain important information on how to operate the devices safely and ensure they function properly, safely and economically:

Hydraulic Round Bale Gripper	Article 125.024.000, ...999 Article 125.224.000, ...999
Hydraulic Square Bale Gripper	Article 125.025.000, ...999 Article 125.225.000, ...999

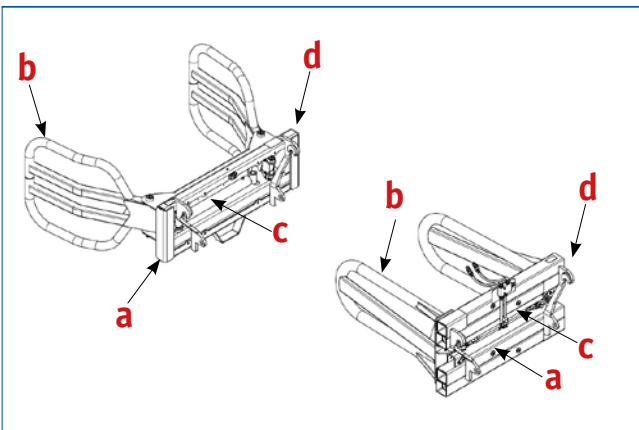
- Ensure that the delivery matches your order and these instructions. Report any transport damage to the carrier immediately. In the event of any defects or other questions, please contact your dealer. Do not use the device until the matter has been resolved.

Caution: *The devices may only be used and maintained by persons who have read and understood the instructions and are aware of the potential dangers.*

When handing the devices over to other people, make sure you also hand over the instructions and point out any special features, such as conversions.

- Schneider is constantly striving to improve its products and reserves the right to make changes. **If you have any questions, please contact your dealer immediately.**





1.2 General description of the devices / intended use

The bale grippers are used to lift, transport and set down round and square bales of hay, straw or silage. Any other use is not in accordance with the **intended purpose**.

The devices consist of the following components:

- a** 1 implement frame
- b** 2 movable arms
- c** 2 double-acting hydraulic cylinders
- d** 2 special brackets for front loaders, telehandlers or wheel loaders

Caution: In order to operate the double-acting hydraulic cylinders, a third control circuit or a double-acting auxiliary device must be installed on the carrier vehicle or front loader.



1.3 General notes on safety

Pay attention to your own safety and that of your employees. **Comply absolutely with the accident-prevention and occupational medical specifications, as well as road traffic legal stipulations**, because the work with devices includes hazards. We identified some important risks through the warning symbols on the left. However, caution is generally required with all work, in particular you should:

... read these instructions and the manual for the carrier vehicle before starting up the devices.

... always keep a sufficient safety distance between the device and people, animals, objects as yourself.

... **not exceed the load capacity of the devices** (technical data on Page 8) under any circumstances. Overloading can cause them to break and parts such as bolts can become dangerous projectiles.

... please note that the use of a device extends the front end of the vehicle. **The centre of gravity of combination from the loader and the device moves forwards.**

... **only operate the device from the driver's cab** of a tractor, telehandler or loader. It is essential to ensure good visibility, for example through a clean front shield.

... take advantage of training courses and work aids (in Germany, for example, from chambers of agriculture and agricultural social insurance organisations).

Caution: The type plate and the safety instructions (stickers) must remain visible to all users and must always be observed.

Danger: It is imperative that persons do not enter the work area (danger zone). Under no circumstances should persons, animals or objects not suitable for the intended use be transported or lifted.





1.4 Warranty and liability / copyright

If you act contrary to the regulations, instructions and warnings, **damage and accidents may occur. The owner or user of the device is solely liable for this, not the manufacturer. In addition, the warranty becomes void.**

Our **general terms and conditions of delivery** apply (available online at www.schneider-fc.com), with the terms of your dealer taking precedence for any liability and warranty claims. We kindly request that you **contact your dealer at your earliest convenience.**

Claims for personal injury or property damage are excluded in the event of:

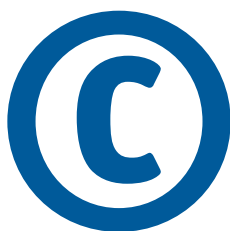
- improper use of the device (*see 1.1*)
- non-observance of the operating instructions for the device and carrier vehicle as well as deactivation of warnings of the carrier vehicle
- improper commissioning, maintenance, repair and unauthorised modifications (conversions) to the device as well as its inadequate storage and safekeeping
- operation of the appliance without or with inadequate protective aids and safety clothing (*see 2.2*)
- force majeure, catastrophes and other external influences

Schneider accepts no liability for damage to the carrier vehicle. Nor does it accept any consequential damage resulting from this.

Schneider holds the **copyright to these instructions**. They are intended for the assembly company and its personnel and may not, neither as a whole nor in part, be:

- reproduced
- distributed or
- otherwise disclosed.

Infringements can result in civil and criminal charges!



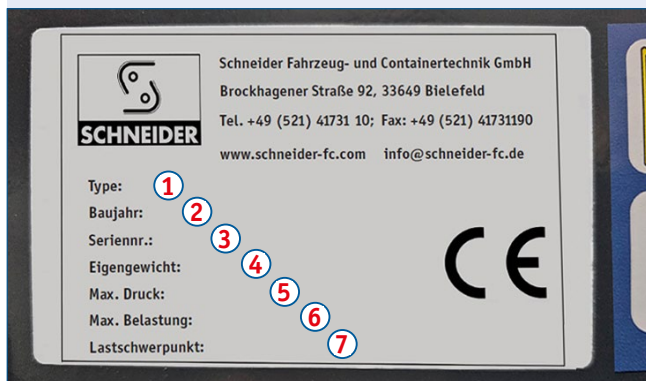
1.5 Type plate, warning sticker, documents

- The devices have a type plate. Ensure that this is neither damaged, removed nor painted over.
- If you have any queries, preferably to your dealer, or when ordering spare parts, please use the information contained here.

Legend:

1	Type of device (e.g. round bale tongs)
2	Year of manufacture
3	Serial number
4	Dead weight
5	Maximum pressure
6	Maximum load
7	Centre of gravity.

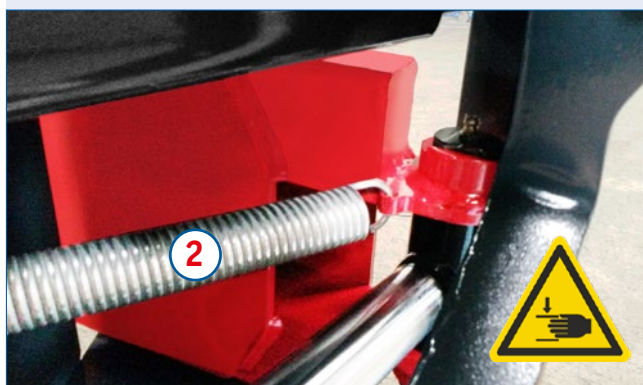
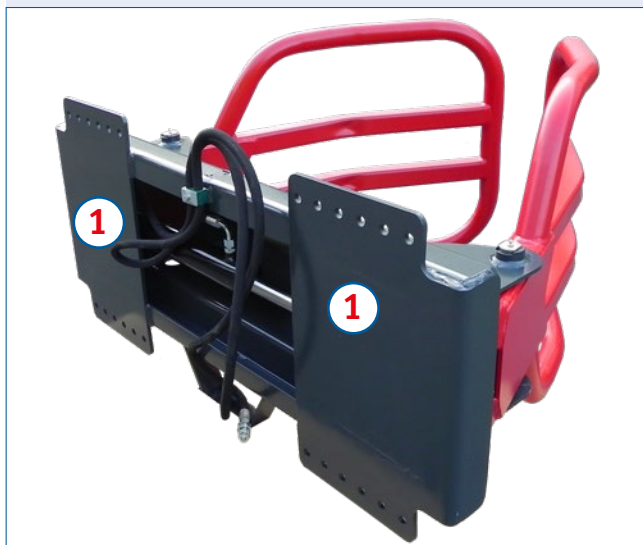
- Warning stickers must not be damaged, removed or painted over. They must always be observed!
- You must keep **the entire documentation**, consisting of these operating instructions and any additional instructions supplied, in a safe and dry place on or in the vehicle **at all times**. If you hire out or sell the device, you must also pass on this documentation.



2. Preparation for use



Caution: Even minor carelessness can cause serious injuries, particularly bruising. Protect yourself (1.2 & 1.3)!



Do not use the device combination if problems occur. Contact your dealer or the manufacturer of the carrier vehicle to ensure it is operated safely.

The device is fully assembled ex works. A specialised workshop should carry out the initial commissioning and installation of the device as well as the functional check. If you are qualified yourself, e.g. through training as an agricultural mechanic, proceed as follows:

- Place the device on a stable, level surface.
- If the device is equipped with perforated plate (LP) brackets **1**, proceed as follows:
Use 6 of the supplied screws M16 x 45 to connect each perforated plate to the device. Insert these, each with a washer under the screw head, through the hole in the perforated plate as close as possible to the right and left into the corresponding hole of the bracket in the device. On the opposite side, place a washer with an M16 stop nut on the screws.
- Check the distance on the loader and then tighten the bolts to a tightening torque of 200 Nm.
- Check that all nuts and bolts are tight.
- Remove the cable ties from the tension springs 2 on the round bale grab **2** and attach the springs.
- When **attaching to the front loader**, reach under the hooks with the tip facing forwards and under the gripper's hooks. Then, tilt the change frame backwards and lock it.
- For **telescopic handlers, yard loaders or wheel loaders**, proceed in the same way, taking into account the specifics of your loader (**operating instructions!**).
- The vehicle hydraulics must be designed **in accordance with Machinery Directive 2006/42/EC**. The hydraulic connection **may only be made by qualified specialists**:
 - set the control units on the vehicle to the neutral position.
 - take care that the control lever for the device cannot be confused with other control levers.
 - connect the hydraulic hoses to the couplings on the vehicle (3rd control circuit).
 - make sure that the couplings are clean to ensure that no dirt enters the hydraulic system.
 - it is important to ensure that the hoses can move freely and that no hydraulic oil leaks. Hydraulic hoses must not come into contact with sharp-edged parts.
 - check the hydraulic function.

Caution: To prevent the system from opening unintentionally, a **pressure maintenance valve** must be installed in the hydraulic control line. The volume flow of the hydraulic oil must not exceed 5 litres per minute. Take care with oil that has expanded due to sunlight. Always refer to the vehicle's operating instructions.

Danger: The **working pressure** of the hydraulic cylinder is max. **180 bar**. Check the vehicle hydraulic pressure. If it is too high, you will need a reducing valve. **Hydraulic lines and valves must not be worn, outdated or leaking.**

- **Check the positive connection** between the vehicle and the device and that the two do not collide. If necessary, attach end stops to prevent damage. **Ensure stability with the device fully loaded** in every working position!

The Schneider bale gripper is now ready for use!

3. Operation of the devices



Danger: Always keep a **safe distance** from people, animals and objects. **Transporting persons, animals, hazardous substances or flammable substances is prohibited!**



3.1 The bale gripper in use

Only use the devices for their intended purpose (1.2) and observe their load capacity and centre of gravity (see section 7). Please note that **the driving characteristics will be different** when using front loader devices!

- **Slowly approach the bale** to be picked up, keeping the gripper fully open. The bale should be positioned in the centre, in front of the arms, with the grippers surrounding it from both sides **3**.
- If the bale touches the device frame, **close the gripper arms**. If necessary, press them down slightly to secure the clamp.

Caution: Do not drive above approx. 10 km/h during loading work due to the higher tyre and axle load.

- For a secure hold, standing bales should always be gripped from below **3**. Grip lying round bales from above **4**. Close the gripper as soon as its frame touches the bale in all cases.

Caution: The pressure from the hydraulic cylinders should hold each bale reliably. However, as natural fibres give way under pressure, a bale may fall out. **Extreme caution is therefore required when lifting and transporting.**

- **Drive the bales as low as possible** so as not to impair the driving behaviour of the transport vehicle. Never drive across the slope with the loader raised.
- At the destination, set the bale down, open the gripper completely and remove the vehicle.

3.2 Driving in road traffic

Special care must be taken when transporting the devices to the work site. If agricultural machinery uses public roads, it must fulfil the registration requirements set out in the relevant regulations (in Germany: 'Straßenverkehrs-Zulassungs-Ordnung' (StVZO)).

- You can transport your device with a suitable trailer.
- Provided that the applicable road traffic regulations in your country permit it, you can drive the tractor, wheel loader, telescopic handler or yard loader, complete with bale gripper, to the work site.
- Lift the front loader. **Keep your field of view as clear as possible.** The horizontal distance between the front end of the loader and the centre of the steering wheel should be no more than 3.5 metres, and the front edges of the device should be at least 2 metres above the road surface. If not possible, the device should be removed.

Follow the same procedure for a wheel loader, yard loader or telehandler.

- To drive, **lock the operating lever against lowering.**

Transport goods (see 1.2) must not be transported on public roads and paths with the devices.



Danger:

The **unexpected movement** of a vehicle and its load **can endanger people, animals or objects**. The same applies to parked devices that are not in a safe position - **Risk of tipping**.



3.3 Switching off the devices - Decommissioning

- Turn off the carrier vehicle when the device is in a low position so that it cannot move unintentionally.
- Place the device horizontally with the gripper arms fully lowered, on a firm, straight, solid and dry surface, using the support feet.

The device must be safely secured against falling over/tilting in a place where it cannot be accidentally knocked when working with machines. The 'support arms', e.g. front loader arms, should not touch the ground.
- Apply the parking brake of the carrier vehicle firmly and switch off the engine.
- Depressurise the hydraulics in accordance with the operating instructions for the carrier vehicle or front loader.
- Disconnect all the vehicle's hydraulic hoses. Make sure that no hydraulic oil can leak out.
- Release the lock on the vehicle or on the quick hitch backplate.
- Switch on the engine and lower the 'support arms' until the device is free. The support bar of the loader must be below the hooks of the device.
- Remove the vehicle and secure it against rolling away and the parked devices against tipping over! To protect uninvolved persons, e.g. children playing, switch off the engine of the transport vehicle and remove the switch key.
- Check that the device is stable. If the device is not used for a longer period of time, clean it, check it for damage and **grease all lubrication points** (see 4.1). If necessary, cover it with a protective tarpaulin to protect it from dirt and moisture.

3.4 Recommissioning of devices

- If necessary, pull off the protective tarpaulin over the device .
- If necessary, clean and maintain the device (4.1) and prepare to use the device again (*analogue 2*).

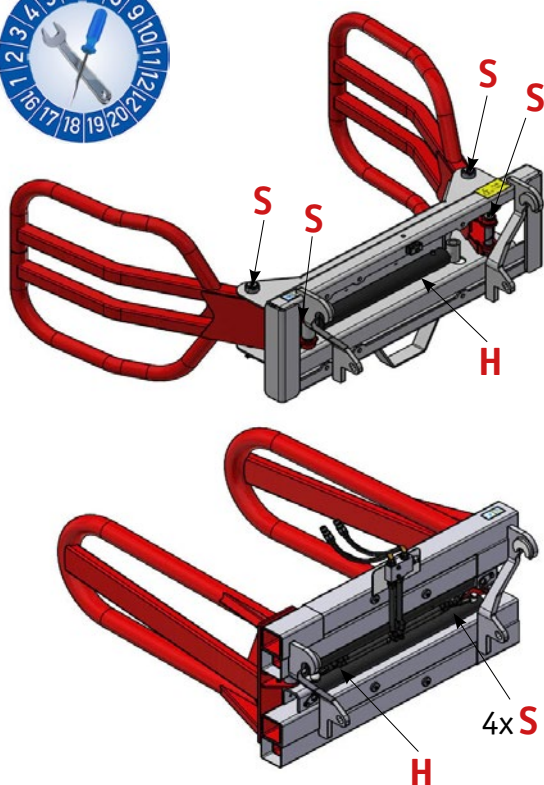
4. Maintenance, care, repairs and modifications

Danger: Minor carelessness during maintenance and repairs can cause **serious injury due to devices tipping over, sharp edges or crushing**. Working on the hydraulics can also be dangerous in certain situations.



Wear **protective clothing** such as gloves and safety shoes. Use **ear protection** when using pneumatic screwdrivers, an angle grinder or a sander. Keep a **safe distance** from people, animals and objects.

- As described under 3.3, uncouple the device (and the hydraulics) from the carrier vehicle and secure the device against tipping over.
- Hydraulic oil must not drip from the lines. Collect the oil in a suitable container and wipe the line openings with a clean cloth. Skin contact with hydraulic fluids must be avoided at all costs - **follow the safety instructions of the hydraulic oil manufacturer (no oil in the ground!)**.



4.1 Maintenance and care

Regularly visually inspect the devices, preferably daily, for cracks, deformation or wear. Replace damaged parts immediately and completely. **Please also note:**

- Screws and nuts must be tight. Tighten them if necessary.
- Tip:** Apply a screw locking agent to the screws when tightening them.
- The fastening hooks must not bend open by more than 2 mm.
- **After the first 10 hours** of operation, grease **all lubrication points S**. Then, **every 50 hours of operation** thereafter, lubricate them with grease: LT-43 Temperature range from -20°C to 130°C, cold water resistant. To ensure that the grease reaches all positions, always lubricate the bale gripper when closed and when open.
- **Hydraulic hoses** can be hazardous due to pressure pulses, wear and tear, damage, defective connections, and so on. Only qualified personnel may carry out hydraulic work (see 4.2).

Before first use and at regular intervals thereafter, check the entire hydraulic system H (i.e. the hoses and their connections). In the event of a fault and due to ageing, replace defective hoses immediately. According to DIN 20066, hydraulic hose lines should be stored for a maximum of 2 years and used for a maximum of 6 years from the date of manufacture. Two dates are relevant: The date of manufacture, e.g. "2Q22" for manufacture in the second quarter of 2022, is marked on the hoses; the date of manufacture, e.g. "0319" or "03/19" for manufacture in March 2019, is marked on the fitting.

- In the event of damage, have the appliances repaired immediately by competent, trained persons, e.g. in a specialist workshop.
- You can clean appliances using a high-pressure cleaner. However, do not direct the jet at the grease nipples, hydraulic connections, or any electrical lines or components.

Tip: If you don't need the device for an extended period of time, clean them and spray the bare parts lightly with a biological oil. Store the devices in a dust-free environment as possible.

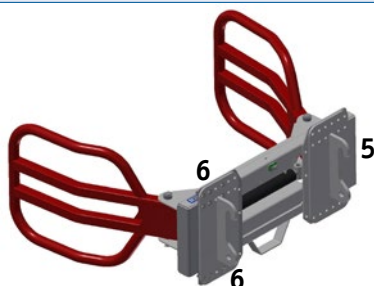
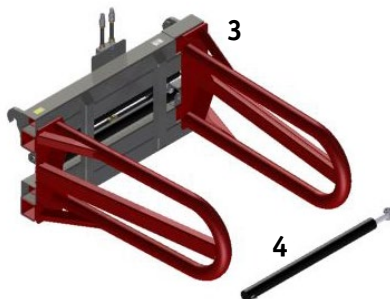
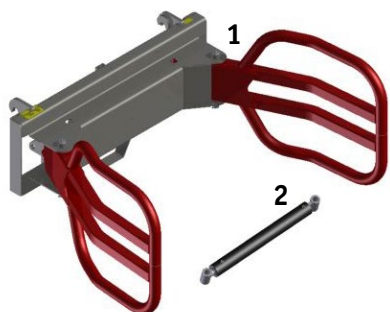


Danger:

Comply absolutely with the accident-prevention!



Pos.	Spare part	Prod.-code
1	Round Bale Gripper	125.024. ...
2	Hydraulic cylinder for round bale gripper	125.024.020
3	Square Bale Gripper	125.025. ...
4	Hydraulic cylinder for square bale gripper	125.025.020
5	Perforated plates (LP bracket)	125.007. ...
6	Fastening screws for LP bracket	125.011. 990



4.2 Repairs and modifications

Repairs and conversions are to be carried out only by experienced, specialist persons, as far as possible with completed training as an agricultural machinery mechanic or comparable qualification. We recommend that you have this work carried out by a specialist workshop with experience in this area.

- Check the devices carefully. **If a device is severely damaged, it must be replaced.**
- Any damaged parts must be fully replaced. To obtain **original Schneider spare parts**, please contact your dealer. When placing an order or making a technical enquiry, please provide the identification data on the type plate.

Caution: Always use **new original spare parts**. Using third-party or used components or bolts endangers operational security and invalidates the guarantee.

- When carrying out hydraulic work, first disconnect the implement hydraulics from the vehicle. Replace damaged hydraulic hoses immediately to prevent them from breaking. Avoid skin contact with hydraulic fluids. To prevent it from dripping out, collect it in a suitable container and wipe the line openings with a clean cloth. **Always observe the oil manufacturer's safety instructions (no oil in the ground!).**

Never attempt to search for a leak in the hydraulic hoses with connected carrier vehicle and seal manually. Fluid under high pressure can easily penetrate clothing and skin and cause serious injuries.

- For the lubrication, employ lubricating grease as described (4.1.).
- Never insert bolts diagonally and always **tighten them with the following torques:**

Hexagon bolts	M 6: 10 Nm	M 8: 30 Nm
(in case of dry screw thread)	M10: 50 Nm	M12: 80 Nm
	M16: 200 Nm	

The adjustments on the screwdriver are to be checked using corresponding measuring equipment.

Caution: Any undershooting of the tightening torques impairs the strength of the device. Any significant overshooting can lead to damage to component parts!

- Implement other **conversions or changes** to your device or its accessories (changes of the mechanical, electrical and hydraulic characteristics) **only with written consent from Schneider**. Otherwise the device becomes a hazard for you and other persons. The guarantee is also voided. Schneider does not assume any liability for damages or injuries.
- In case of retrofitting parts or changes to Schneider component parts, **note the corrosion protection**, and in particular exclude contact corrosion through different materials.
- For the case that you wish to apply a paint coat, **make sure of a secure adhesion of the finish paint with your paint supplier** concerning the primer and all other conditions. Consider its safety regulations.

5. Waste disposal of devices after service life



The service life of Schneider devices is not limited. The owner or holder of the respective bale gripper is responsible for the disposal of disused equipment. In the event of disposal, they must be taken out of service and disposed of properly, e.g. with the help of your dealer or an appropriate specialist company.

Danger: For the implementation of the waste disposal, the hazards and precautions apply as were, described under „4.2 repairs and conversions“.

- Dispose of the product in accordance with national and local regulations, as well as environmental protection regulations..
- Empty the hydraulic fluid. Dispose of this according to the instruction of the manufacturer of the hydraulic oil. Deliver the hydraulic hoses to a qualified recyclable material centre or a corresponding collection centre.
- All remaining component parts can be brought to a scrap dealer for recycling.

6. Technical data

Hydraulic round bale gripper	125.024. ... 125.224. ...
Maximum load capacity	1.000 kg
Weight	190 kg
External height	760 mm
Maximum operating pressure	180 bar
Minimum clamping range	900 mm
Maximum clamping range	1.600 mm
Minimum working width	1.320 mm
Minimum working height	760 mm
Bale type	round

Hydraulic square bale gripper	125.025. ... 125.225. ...
Maximum load capacity	1.000 kg
Weight	210 kg
External height	675 mm
Maximum operating pressure	180 bar
Minimum clamping range	800 mm
Maximum clamping range	2.000 mm
Minimum working width	1.150 mm
Minimum working height	750 mm
Bale type	square

7. Declaration of conformity

Declaration of conformity

(according to EC - directive 2006/42/EG)

The

Schneider Fahrzeug- und Containertechnik GmbH
Brockhagener Straße 92; D - 33649 Bielefeld

declares that the machine, as delivered, complies with the directives and harmonised standards listed below and is provided.

Designation: Tool (Device)

Type: Hydraulic round bale gripper, Prod.-code 125.024.xxx as well as Prod.-code 125.224.xxx

Hydraulic square bale gripper, Prod.-code 125.025.xxx as well as Prod.-code 125.225.xxx

Serial No.: 125.024.000 - xxxx bis 125.225.999 - xxxx

with the
utilisation
description/
-function

The device is 'interchangeable equipment' within the meaning of the Machinery Directive 2006/42/EC. It is mounted on agricultural tractors, telescopic handlers or wheel loaders (using an interchangeable adapter if necessary) and is used to carry out work required in agriculture. Further information on the intended use, the operating conditions, the description of the function and additional technical data of the device can be found in the operating instructions.

The tool complies with the relevant, applicable provisions of the

- Directive 2006/42/EC,
- Directive 2014/30/EC
- Directive 2014/68/EC

The technical documentation in accordance with Annex VII A of Directive 2006/42/EC has been prepared and is the responsibility of the Head of Development and Design at Schneider Fahrzeug- und Containertechnik GmbH.

The following standards published in the Official Journal of the European Union were used in the design and manufacture of the tool:

- DIN EN ISO 4254-1 2016-09
- DIN EN ISO 4413 2011-04
- DIN EN 12525 2011-02
- DIN EN ISO 12100 2011-03
- DIN EN ISO 13857 2020-04
- EN ISO 14982 2009-12

Bielefeld, May 2025



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