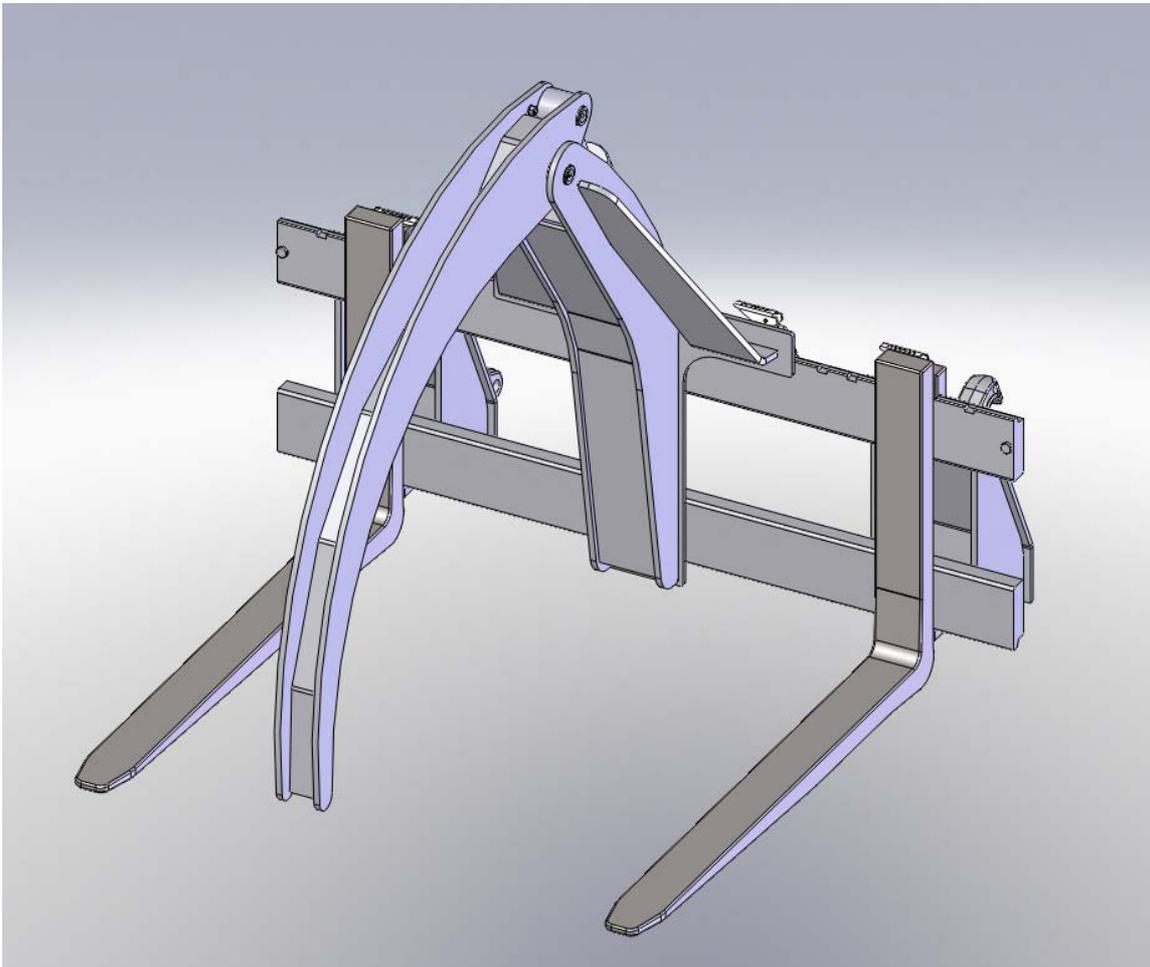


STOLL

Operating instructions

Top loading grip for Euro-Frame



▲ Danger ▲
Read the entire operating manual before
using the front loader.

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Noise information Noise emission value measured at the operators position70 dB(A)

▲ Danger ▲

Re-tighten all threaded connections after 5 operating hours.

▲ Danger ▲

Check the threaded connections for firm seat every additional 100 operating hours. Re-tighten threaded connections as needed.

Anzugsmomente für Schrauben					
Schraube	Klasse		Schraube	Klasse	
	8.8 Nm (lb-ft)	10.9 Nm (lb-ft)		8.8 Nm (lb-ft)	10.9 Nm (lb-ft)
M8	23 (17)	33 (24)	M20	380 (280)	530 (391)
M8x1	25 (18)	35 (26)	M20x2	400 (295)	560 (413)
M10	46 (34)	65 (48)	M20x1,5	420 (310)	590 (435)
M10x1,25	49 (36)	69 (51)	M22	510 (376)	720 (531)
M12	80 (59)	110 (81)	M22x2	540 (398)	750 (553)
M12x1,5	84 (62)	118 (87)	M22x1,5	560 (413)	790 (582)
M12x1,25	88 (65)	123 (91)	M24	630 (464)	890 (656)
M14	130 (96)	180 (133)	M24x2	680 (501)	950 (700)
M14x1,5	138 (102)	190 (140)	M27	930 (686)	1310 (966)
M16	190 (140)	270 (199)	M27x2	995 (733)	1400 (1032)
M16x1,5	210 (155)	290 (214)	M30	1260 (929)	1770 (1305)
M18	270 (199)	380 (280)	M30x2	1370 (1010)	1930 (1423)
M18x2	280 (206)	400 (295)			
M18x1,5	300 (221)	420 (310)	5/8" UNC (normal)	175 (129)	245 (180)
			5/8" UNF (fein)	200 (147)	280 (206)
			3/4" UNC (normal)	380 (280)	530 (391)
			3/4" UNF (fein)	420 (310)	590 (435)



Prior to operating read and observe the operators manual and all safety instructions.



In this operating instruction booklet we have marked all paragraphs which refer to your safety with this sign.
Pass on all safety advices also to other users.

Operation in accordance with specifications!

The STOLL top loading grip is an option of the STOLL pallet forks (2329580, 2329590, 3430830, 3434900) and may only be used in connection with the pallet fork. The STOLL top loading grip is exclusively made for the common use as frontloader implement for loading, lifting and transporting of logs with a maximum length of 3 metres, parts of bosk, bushwood (common use). By means of fitting the upper grip to the pallet fork, the common use of this implement – to transport pallets - is not possible anymore in this version.

Use for any other purpose is considered as operation which is not in accordance with specifications and is undertaken as such at the owner's risk.

Observation of the operation and maintenance instructions specified by the manufacturer shall also be taken to the part of operation in accordance with specifications.

The top loading grip may only be operated, serviced and repaired by personnel who are familiar with these functions and who have been instructed of the inherent dangers. Never carry out changes yourself.

It is forbidden to approach within reach of the top loading grip while in use.

STOLL must regretfully decline responsibility for damage resulting from any misuse.

All relevant accident prevention, safety, health and highway regulations must be complied with.

Safety technical advices.

Most accidents which occur in agricultural enterprises are the result of safety rules being disregarded by personnel.

1. Acquaint yourself with all equipments and control elements just as their function before work start. During work it is too late for that.
2. Before any operation of the top loading grip put the hydr. control unit to its neutral position.
3. **It is forbidden, to convey or raise people in bucket or other implement!**



4. The maximum roadspeed with attached load beam is 25 km/h, the maximum working speed is 6 km/h. Check front tyres for air pressures correct to loading operation!
5. Never carry out repair, cleaning or lubricating jobs with raised load beam! Lower or remove beam. Lower load beam after completion of work.
6. **Never drive** the tractor **off with a jerk** if the attachment is fully loaded or in its highest position. Drive downhill when pushing together or collecting material, whenever possible load in a trough or dip; **never** drive across a gradient with raised load beam; increase rear track width of the tractor as necessary and never drive with a narrower than, standard front track width, even with tractors equipped with an adjustable width front axle.
7. **Do not turn the tractors steering wheel when driving into the material to be loaded.**
8. **Sojourn within the working range is prohibited. Stay clear of raised unsecured loads**



9. Journeys with loaded bucket or implements on public roads are prohibited.
10. Good visibility is essential during frontloader operation (clean cab windows; no risk of dazzling; sufficient lighting of the work area in the dark).

11. Ensure that the front loader is a safe distance away from overhead power lines. Danger to life in case of contact.



12. Liquids leaking under high pressure (Diesel fuel, hydraulic oil) can penetrate the skin and cause severe injury. When injured see a doctor immediately! Danger of infection!



13. Before the first use of the top loading grip and then at least once a year all hoses must be checked by an expert worker for their operational safety and replaced if required. The time of use of the hoses should not exceed six years including a maximum storage time of two years. The replacement hoses and pipings must meet with the implement manufacturer's technical standards.
14. When searching for leaks appropriate aids should be used because of the danger of injury.
15. Moreover, the accident prevention rules of agricultural trade associations and application requirements for protective devices according to the machinery protection act and the rules of traffic act have to be observed.

Description

The STOLL top loading grip serves as an option for a STOLL pallet fork (2329580, 2329590, 3430830, 3434900) and it consists of a frame which is connected to the pallet fork and a double acting hydraulic cylinder to operate the upper grip.

For the operation of the double-acting hydraulic cylinder of the top loading grip, the tractor – respectively the loader – needs to be equipped with a 3rd oil circuit or a double-acting additional control valve.

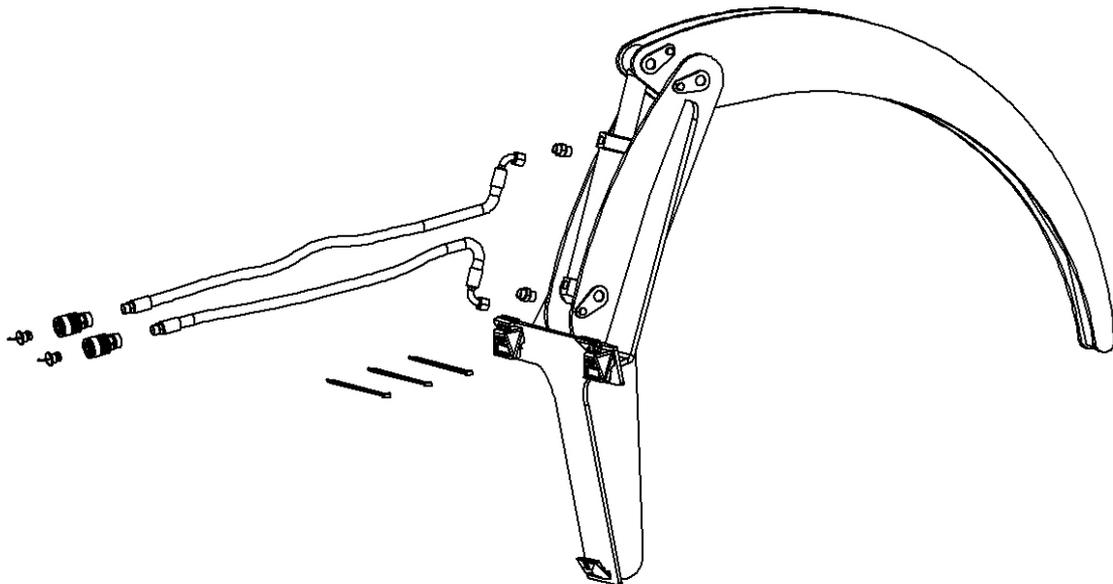
The STOLL top loading grip is used for recovery and loading of logs up to a total length of maximum 3 metres. You may also use the top loading grip for handling of bushwood and parts of bosk and also for bulky goods on the tines of the fork. You may not use the upper grip for the transport of pallets as those would hinder the operation of the fork tines.

Through the long tines of the top loading grip you may easily load, transport and dose high volumes of goods.

Before the first operating

The STOLL top loading grip is readily mounted factory-side. Only the two hydraulic connections of the cylinder are closed with a plastic cap and the tubes are included in a separate plastic bag. Those need to be mounted prior to the first use.

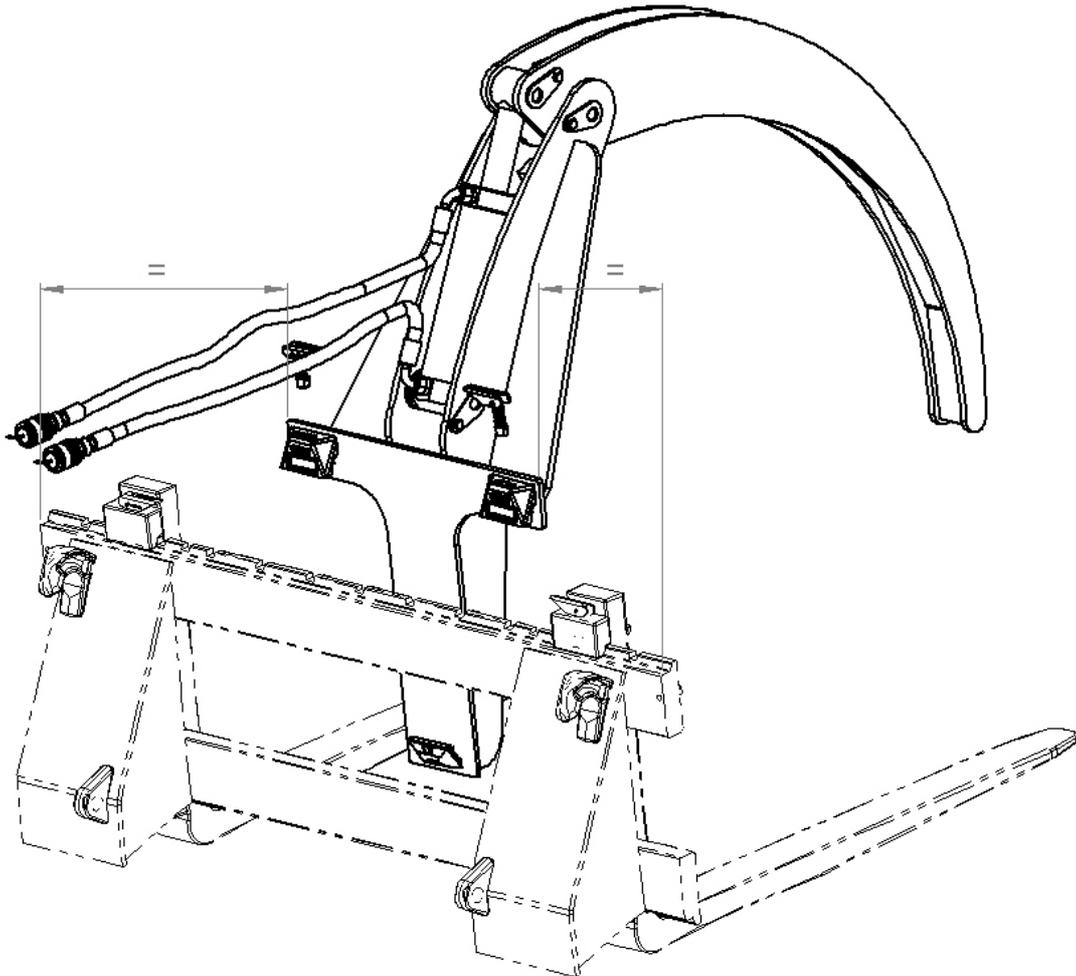
First, you have to remove the 2 plastic caps at the hydraulic cylinder and need to tighten the screw-in fitting. After this, the two hydraulic tubes will be fastened to the screw-in fitting as illustrated on the drawing and will be fixed with the coupling muffs at the other end. The coupling muff, which supplies the lower side of the cylinder, get a red closing cap and the other end the black one. Finally, we recommend to bundle the single tubes by means of a cable strap.



Setting to work

1. Mounting on the pallet fork frame

- The upper grip will be inserted from the side into frame of the pallet fork. You have to pay attention that the upper grip will be placed centrally on the pallet fork frame so that the cutouts will fit to clips AR8!
- The upper grip will be blocked with 2 clips AR8. Only after this step, the operation of the implement is legal.
- In the reverse sequence you may later start the disassembly



2. Attachment to the frontloader beam

- Drive the quick-release frame under the hooks of the top loading grip and lock by tilting the quick-change frame.

3. Hydraulic connection

- Connect the hydraulic hoses with the couplings to the connections of the 3rd control circuit.

- 4. The tines of the top loading grip may not be bent in order to ensure proper work. Replace or align immediately tines which might be bent.

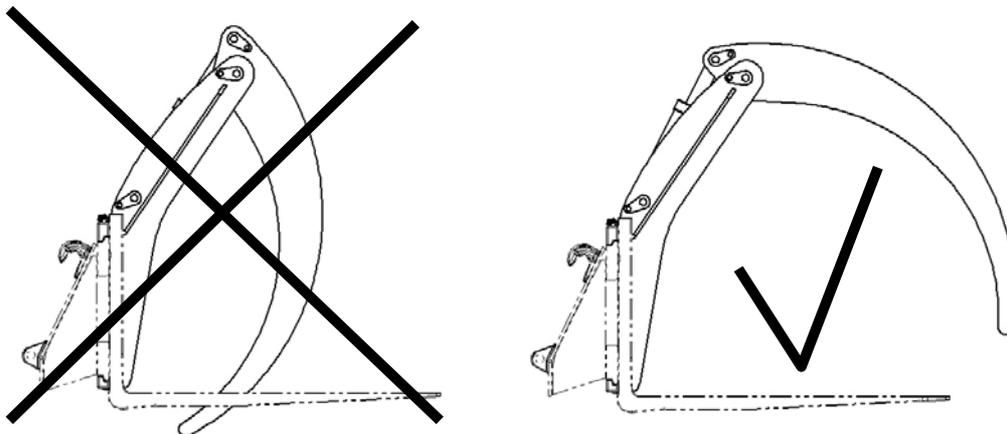
5. Operation

- Put the pallet fork in a horizontal position and open the grip tines completely.
- Drive the pallet fork with open grip tines into the transported material.
- Please swivel down the grip tines as low as possible – using middle size drive of the tractor. You need to take care that the tine of the top loading grip will be lower than the lower part of the fork tines to prevent that the tine will go too deep into the ground. You may lift the implement slightly prior to closing the grip tine to prevent this.
- After lifting of the goods with the frontloader you need to close again the upper grip to fix the loose goods for the transport safely! ATTENTION: drive carefully!

Parking of implements

When the hydraulic cylinder is fully deployed (closed upper grip), the tine of the top loading grip is approximately 8,5 cm lower than the fork tines (drawing on the left). In this position, the implement may not be separated/parked from the loader since it could overturn unintentionally.

In order to park the implement, the top loading grip has to be placed that way that the cone point of the tine is approximately on the same level or higher than the lower side of the fork tines.(drawing on the right).



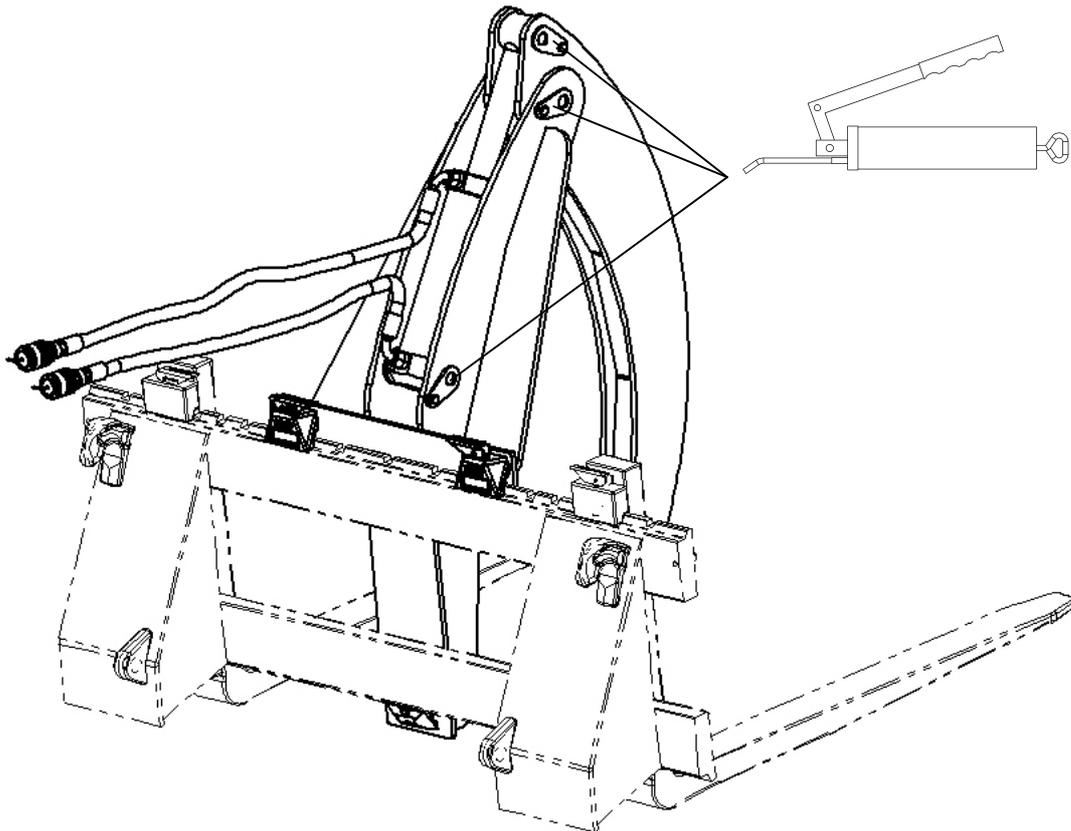
Service and maintenance

The instructions and guidelines published by the tractor manufacturers apply to the service and maintenance of the hydraulic system.

Grease bearings and swivel parts of the top loading grip all 10 operating hours.

Pivot bearing upper grip
Hydrocylinder-bearing

1 lubrication point
2 lubrication points



For frontloader operation is recommendable to use a ballast weight at the rear hydraulic linkage at tractors with 4-wheel drive.

Tighten all screwed joints periodical!

Use only original STOLL-spare parts!

Terms of Warranty

When taking delivery of the STOLL top loading grip check immediately that all items ordered have been included. Have any claim confirmed by the forwarding agent on the delivery note and inform the supplier within 14 days about the deficiency (for the extent of supply refer to the "list of items supplied").

We substitute any material which proves to be defective, within the warranty period (six months starting on the day of delivery), provided that the liability to pay assumed at the moment of delivery is met at the terms fixed.

Warranty involves at the supplier's discretion either the repair of the defective component or its replacement (carriage ex works or stock).

Any claims which go beyond the replacement of parts (e.g. loss or operational failure) are rejected explicitly.

Warranty becomes null and void if the implement was modified by installation of foreign components without our knowledge and agreement, especially if improper modifications have been carried out.

Warranty becomes likewise null and void if an ascertained defect has not been repaired immediately in a proper way. Repairs of defects caused by operational influences suppose our previous agreement if the total or partial restitution of expenses is claimed.

No warranty is granted for any damage to the top loading grip caused by the non-observance of the permissible working capacity or transport speed. Wear and tear and damage caused by negligent or improper use of the implement as well as defects resulting from storage and corrosion are not subject to warranty.

Components not manufactured by Stoll (hydraulics) are subject to the terms of warranty laid down by the respective manufacturers.

Bucket components which a warranty claim is raised for, have immediately to be sent to our works (Broistedt station) or one of our stocks for material test or ascertainment of damage. Components which are substituted by new ones, become our property.

Furthermore, the standard terms of warranty are applicable for the STOLL top loading grip.

CE-Konformitätserklärung

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