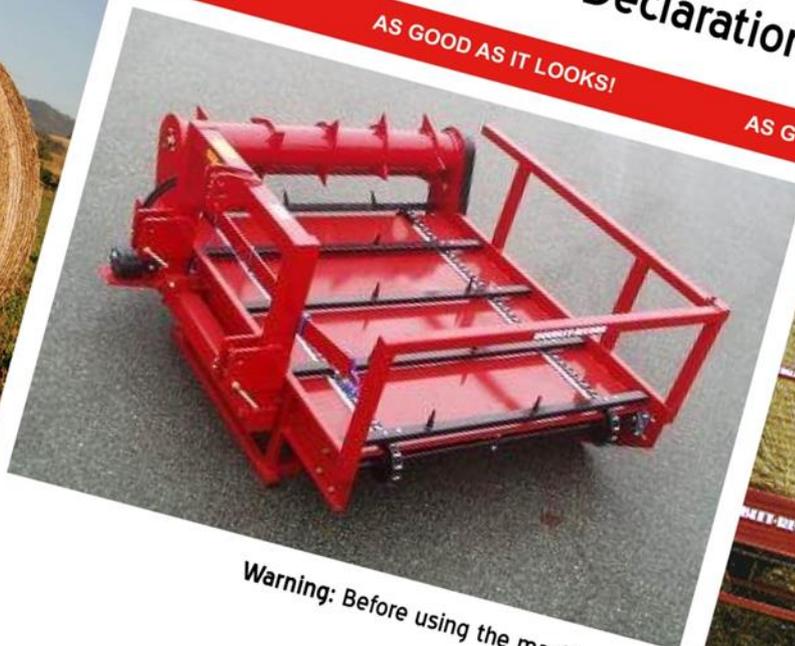


UK

HE-VA

AS GOOD AS IT LOOKS!



Operating Instructions
Spare Parts List
Declaration of Conformity

Warning: Before using the machine it is important to read the operating instructions.

Rondo-Dan



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EC DECLARATION OF CONFORMITY

in accordance with the EU Machinery Directive 2006/42/EC
applicable as from December 29th 2009:

HE-VA ApS
N. A. Christensensvej 34,
DK-7900 Nykøbing Mors

hereby confirms that the following machine has been manufactured in accordance with the Council
Directive 2006/42/EC.

In addition, the following harmonized EU standard has been used:
ISO 12100 Machine safety, general design principles, risk assessment and risk reduction.

The declaration comprises the following machines:

Rondo-Dan

Nykøbing the 29/12 2009



Villy Christiansen

The undersigned is furthermore authorised to compile technical documentation for the above machine.

Delivery check

Upon delivery to the dealer/supplier as well as to the customer, check the Rondo-Dan for possible damages

Range of Application

This Rondo-Dan unwinder can be used for unwinding and feeding out round bales of hay and straw, max. bale diameter 1,80m, Max. bale width 1,40m. Max. weight of bale 650 kg.

This book must be read before the machine is used, and the book must follow your Rondo-Dan through its life.

The factory reserves the right to changes.

Technical specifications

	Left	Right	Left / Right
Working width	2,15 m.	2,15 m.	2,15 m.
Length	2,0m.	2,0m.	2,0m.
Weight	577 kg.	577 kg.	660 kg.
Lifting required	1100 kg.	1100 kg.	1200 kg.
Max. weight of bale	650 kg.	650 kg.	650 kg.
Max. bale diameter	1,80 m.	1,80 m.	1,80 m.
Max. bale width	1,50 m.	1,50 m.	1,50 m.

Responsibility of the user

The user is responsible that the operator has the needed competence. Since HE-VA cannot control the use of the unwinder, we can only guarantee the quality of the machine, and cannot accept any kind of claims for compensation in connection with the work of the machine..

Any kind of injury caused by staying in dangerous areas will always be the responsibility of the user.

Safety instructions for Rondo-Dan

Do not start-up the machine if there are persons in exposed positions* within a hazardous area**.

When persons are in exposed positions (e.g. in connection with adjustment, maintenance, attachment, and uncoupling), the following conditions must be observed:

1. The machine must be lowered to firm ground.
2. The hydraulics must be relieved.
3. The tractor must be stopped, and the key removed from the ignition switch.
4. The driver must ensure that no persons are staying in exposed positions during the operation.

* Person in exposed position: Any person who is staying wholly or partly within a hazardous area.

** Hazardous area: On and under the machine within a distance of 4 m from the machine.

Most accidents that happen in connection with the operation, transport and maintenance of machines are caused by non-compliance with the most elementary safety conditions.

Therefore, it is vital that anybody working at the machine carefully complies with the safety instructions as well as other instructions applying to the machine.

The machine should only be operated, maintained, and repaired by persons, who are familiar with this work and who are further familiar with the possible elements of danger with this particular machine.

ATTENTION !! Rotary parts and loose clothes are a dangerous combination.

IMPORTANT !! In connection with the risk of parts falling down, it may endanger the lives of persons staying on the base frame of the machine, when it is operated attached to a tractor.

IMPORTANT !! In connection with transport and machine storage, the safety lock must be activated

.

Safety and Instructions on Hydraulics

1. The maximum working pressure is 225 bar.
2. It is advisable to label the attachment parts at hydraulic connections between the tractor and the tool in order to eliminate incorrect operation!
3. When checking for hydraulic leaks, use suitable safety wear (eye protectors, gloves, etc.) High-pressure hydraulic oil may penetrate the skin and cause dangerous injuries. In case of injury, consult a doctor immediately. **RISK OF INFECTION!**
4. Before operating the hydraulics, lower the machine to firm ground. Relieve the hydraulics, stop the motor, and remove the ignition key.
5. Check the hydraulic hoses on a regular basis, however, every six months as a minimum due to any cracks, wear, and tear, etc. Replace any defective hoses immediately.

The life of hydraulic hoses is maximum 5 years.

New hydraulic hoses must meet the manufacturer's requirements.

Transport on public roads

Check before transport on public roads that the attachment of the machine at the tractor is in accordance with the local rules and regulations in force (permitted total weight, permitted axle load, transport width, lights, warning signs, etc.).

Front axle load

After the attachment of the machine and at maximum load, the driving properties of the tractor must be ensured. Check that the front axle is sufficiently loaded. As a minimum, the front axle load must be 20% of the tractor weight. Permitted axle load and permitted total weight for the tractor must always be observed.

NB! The driving, controlling and braking properties are affected by the attached machine combination

Starting up

1. Install Rondo-Dan in the tractor's three-point coupling, and connect the two hydraulic hoses to the oil motor to a double-action remote socket outlet. Note max. working pressure: 210 bar.
2. Check that nobody is within the danger area.
3. Activate the double-action remote socket outlet on the tractor and check from the driver's seat that bottom chain and unroller drum rotate freely.
4. Stop oil motor and set machine on a level floor with good access. The latch locking the three-point frame with spike to the unrolling table is released from the driver's seat.
5. Drive tractor forward and check that spike slide easily out of their tubular guides. Adjust as necessary with top link.
6. Fetch round bale from storage by lowering the spikes all the way to the ground. Back the spikes in under the round bale until it pushes against the three-point frame, and lift it.
7. Unload round bale on to unrolling table by lowering three-point frame and drive forward until spikes are free.
8. Then lower spikes, and reverse so that they slide into their respective tubular guides. Check that lock interlocks automatically and couples with three-point frame and unrolling table. Lift machine.
9. Drive round bale to unloading place.
10. Before unrolling commences, use remote control handle to ensure that nobody is within danger area. Depending on tractor's r.p.m. and forward speed, dose out the quantity desired.
11. If oil motor stops in the middle of unloading, reverse oil flow for a moment with remote control handle, after which machine is again ready to continue unrolling. For round bales with hard cores it can be necessary for reasons of time to reverse the oil motor and transport the core out under the guard against the unroller drum

NB With large round bales of about 1,80m. in diameter, be careful of open rear window in driver's cabin. With raised machines it can be necessary to close window to avoid damage.

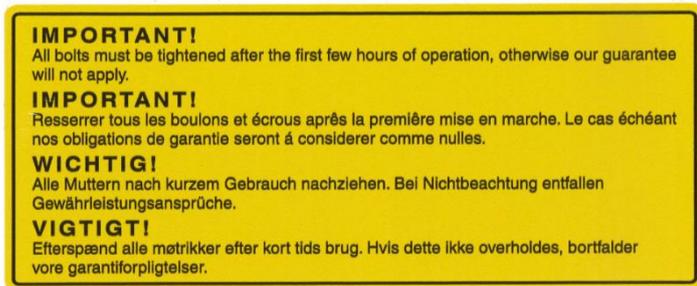
Labels on the machine



Study the Operating Instructions thoroughly before any operation of the machine and observe all safety instructions.



Plate with number and year of manufacture.



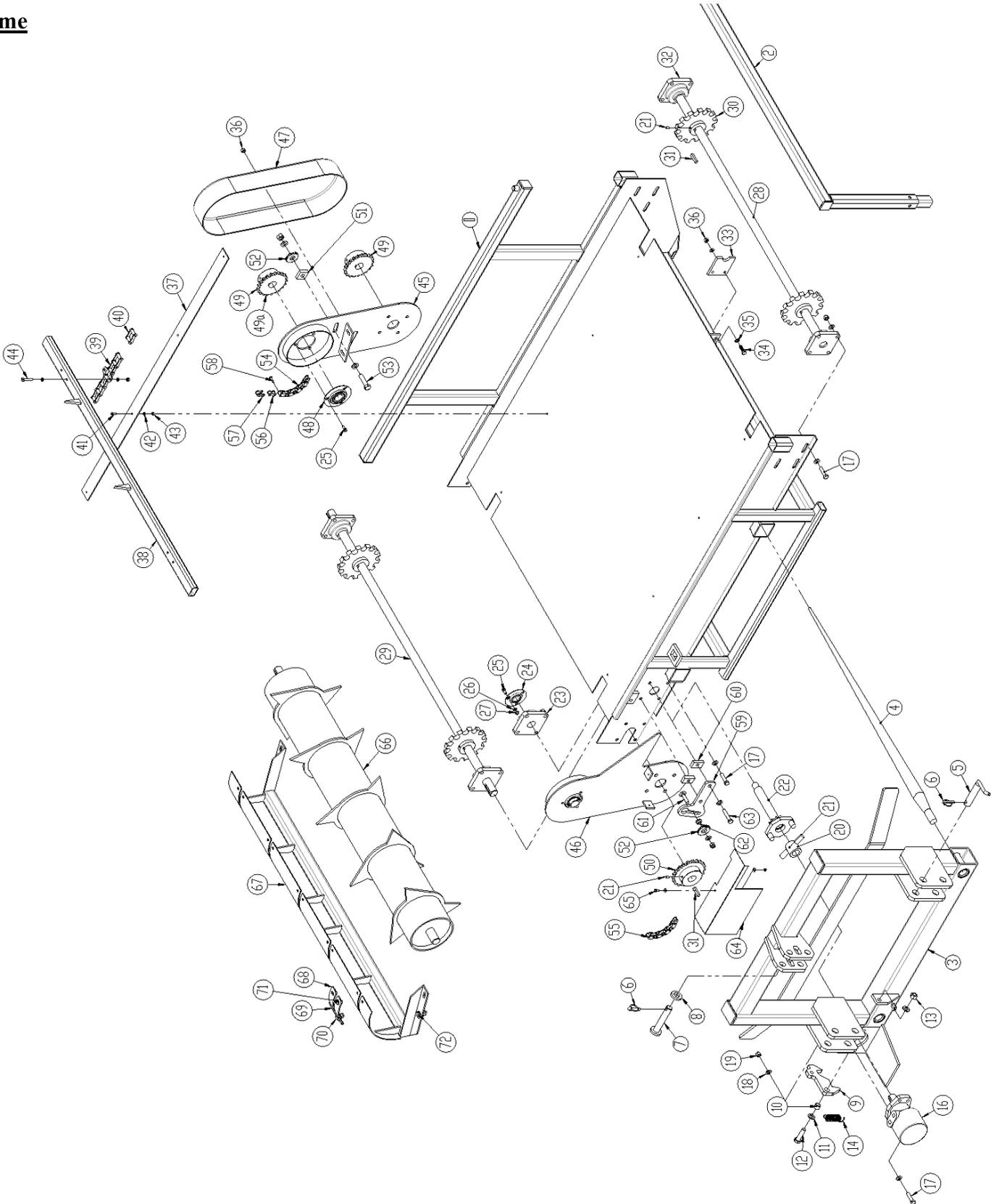
Tighten up all bolts regularly. If this is not performed, our guarantee obligations will no longer apply

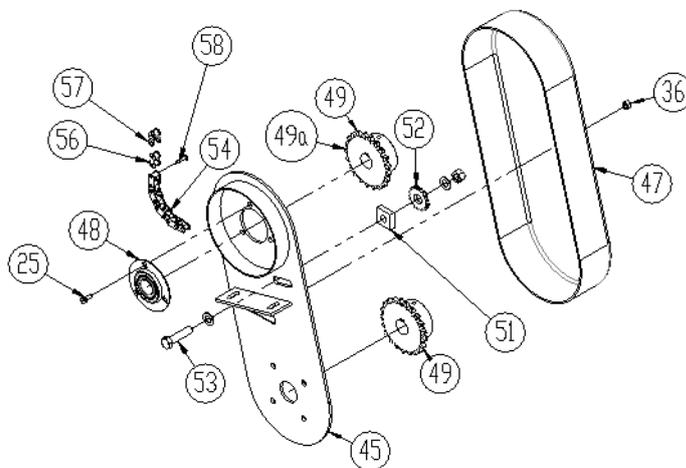
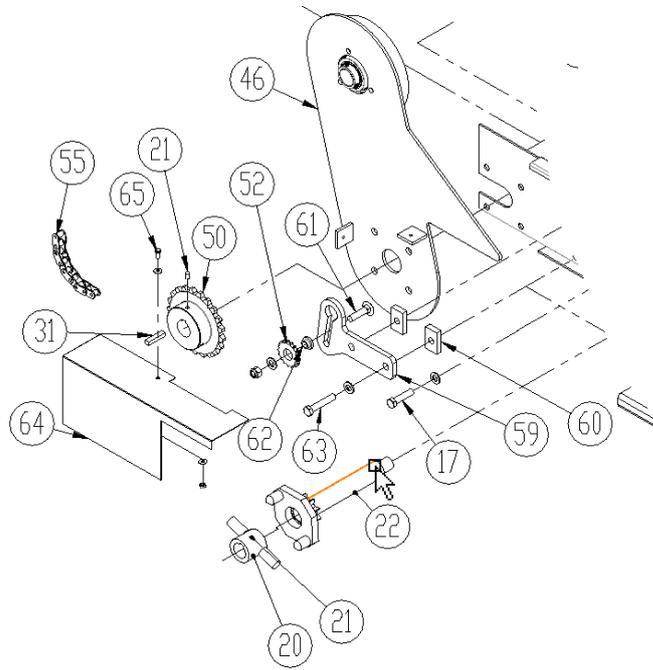
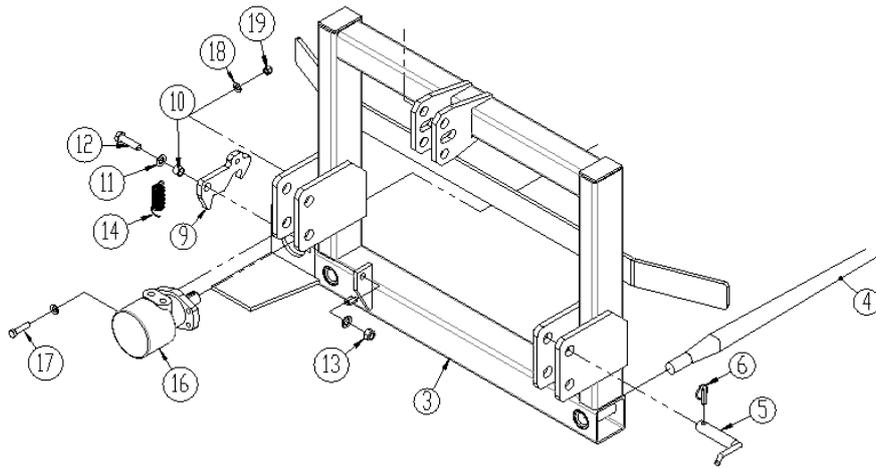


Warning: Rotating parts

Spare Parts List

Frame



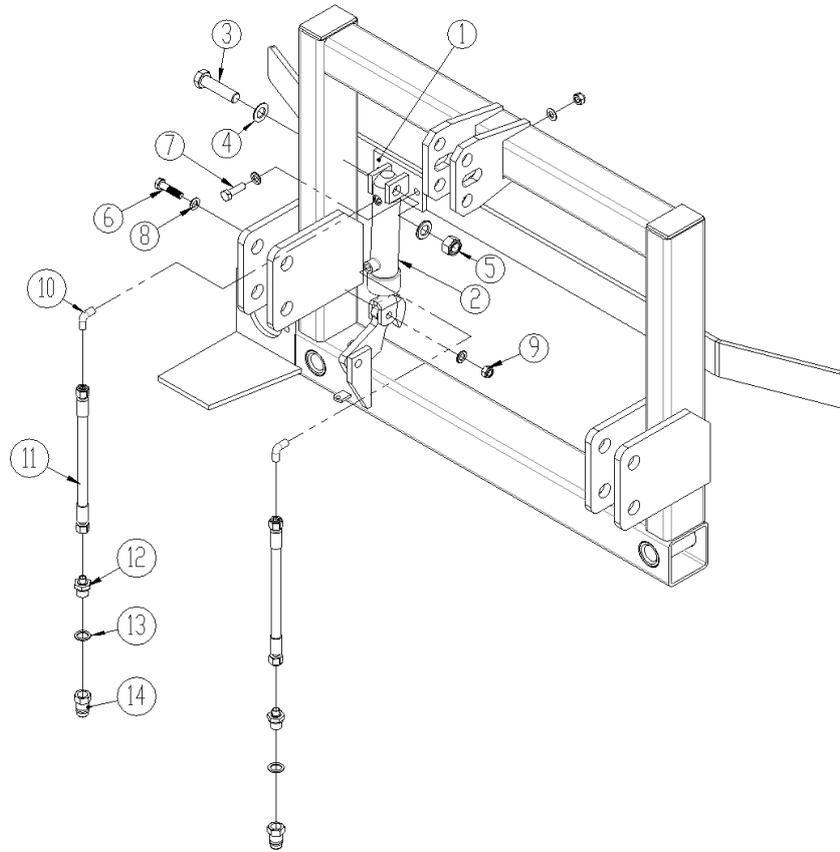


Pos.	Part No.	Description	Right carrying-out	Left carrying-out	Right and Left carrying-out
1	1070290	Carrying frame	1		
	1070295	Carrying frame		1	
	1070292	Carrying frame			1
2	1070260	Hand rail	1		
	1070261	Hand rail		1	
3	1070051	Three-point suspension	1	1	1
4	0410500	Spike	2	2	2
5	1055460	Pin Ø28	2	2	2
6	60378600	Ring pin	3	3	3
7	1068890	Pin Ø25	1	1	1
8	1044600	Disc Ø26x8mm	1	1	1
9	1070971	Locking device	1	1	1
10	1071010	Bush	1	1	1
11	0272290	Facet plate Ø16	4	4	6
12	0235840	Bolt M16x60	1	1	1
13	0264090	Lock nut M16	2	2	3
14	0431630	Spring Ø2,5x18x80mm.	1	1	1
15	0486250	Rope	2m	2m	2m
16	0442070	Motor 204 CC with Ø32 shaft	1	1	1
17	0235380	Bolt M12x50	22	22	22
18	0272270	Facet plate Ø12	57	57	57
19	0264070	Lock nut M12	29	29	29
20	1071190	Bush	1	1	1
21	0227520	Socket set screw M8x12mm	8	8	8
22	1071200	Shaft with 10 teeth sprocket wheel	1	1	1
23	0478700	Bearing UCF207 ø35mm	1	1	1
24	0471850	Steel plate bearing Ø25	1	1	1
25	0234750	Bolt M8 x 20mm	9	9	15
26	0272250	Facet plate Ø8	90	90	102
27	0264050	Lock nut M8	45	45	51
28	1070010	Shaft 1490mm	1		
	1070020	Shaft 1650mm		1	
	1070020	Shaft 1650mm			1
29	1070020	Shaft 1650mm	1		
	1070020	Shaft 1650mm		1	

Pos.	Part No.	Description	Right carrying-out	Left carrying-out	Right and Left carrying-out
	1070020	Shaft 1650mm			1
30	1070040	Sprocket wheel with 13 teeth	4	4	4
31	1070100	Key 10x8 mm	7	7	7
32	0478700	Bearing Ø35 UCF207	4	4	4
33	1070450	Bearing (center)	2	2	2
34	0235060	Bolt M10x35	4	4	4
35	0272260	Facet plate Ø10	18	18	28
36	0264060	Lock nut M10	14	14	24
37	1070330	Wearing bar	2	2	2
38	1070000	Dog	9	9	9
39	0409460	Chain S55-89 link	2	2	2
40	0409470	Joint link	2	2	2
41	0243200	Screw M6x20mm	8	8	8
42	0272240	Facet plate Ø6	20	20	24
43	0264040	Lock nut M6	10	10	12
44	0234800	Bolt M8x45	36	36	36
45	1070171	Wear plate	1		
	1071270	Wear plate		1	
	1070171	Wear plate			1
	1071270	Wear plate			1
46	1070182	Wear plate	1		
	1071260	Wear plate		1	
	1070182	Wear plate			1
	1071260	Wear plate			1
47	0485650	Plastics screen	1	1	2
48	0471880	Steel plate bearing	2	2	4
49	1070191	Sprocket wheel with 21 teeth	2	2	2
49a	1071312	Sprocket wheel with 21 teeth			2
49aa	0437910	Freewheel clutch			2
50	1070190	Sprocket wheel with 23 teeth	1	1	1
51	1071391	Spacer block	1	1	2
52	0470100	Sprocket wheel	2	2	3
53	0235850	Bolt M16x65	1	1	2
54	1071250	Chain, 1155mm 3/4"	1	1	1
55	1071240	Chain, 775mm 3/4"	1	1	2

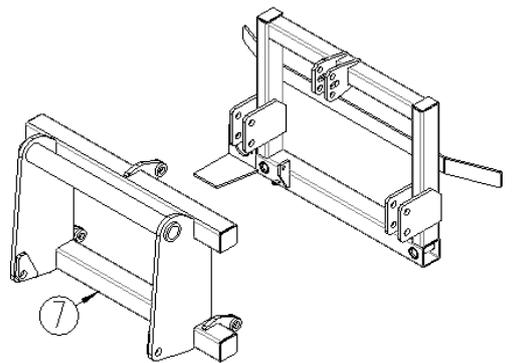
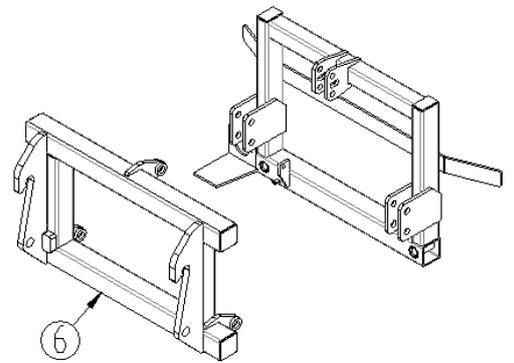
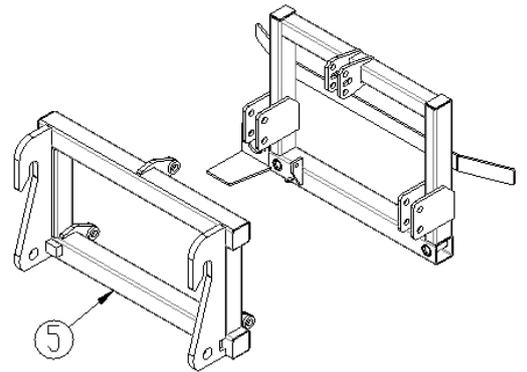
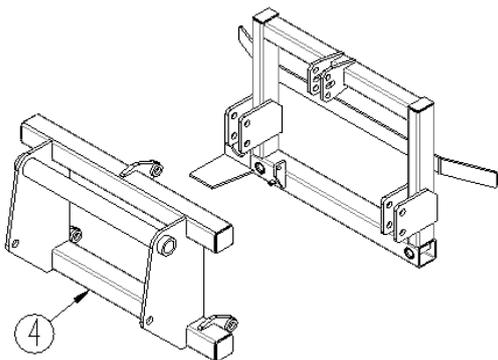
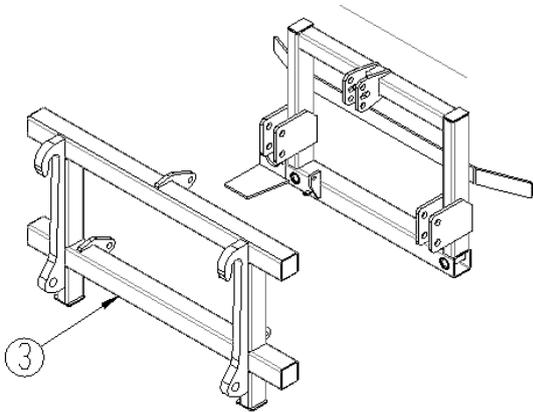
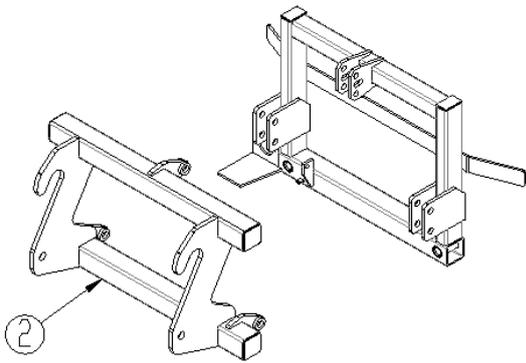
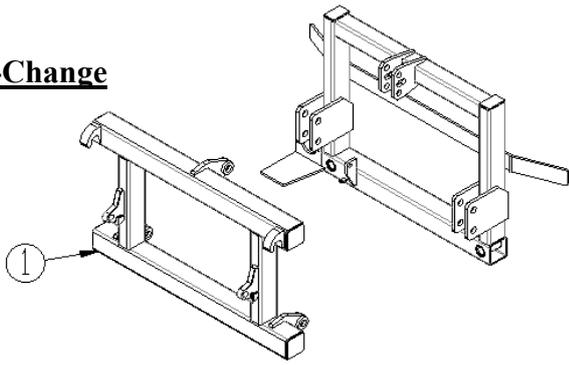
Pos.	Part No.	Description	Right carrying-out	Left carrying-out	Right and Left carrying-out
56	0409630	Joint link	2	2	4
57	0409631	Joggled joint link	2	2	4
58	0409632	Rivet	2	2	4
59	1071320	Turnbuckle	1	1	1
60	1071330	Turnbuckle	2	2	2
61	690101221	Carriage bolt M12x50 mm	1	1	1
62	630532600	Bush	2	2	2
63	0235410	Bolt M12x65 mm	2	2	2
64	1070230	Screen	1		1
	1070231	Screen		1	1
65	0234280	Bolt M6x16mm	2	2	2
66	1070242	Roller with 5 teeth	1		
	1070245	Roller with 5 teeth		1	
	1071290	Roller with 5 teeth (Left side)			1
	1071300	Roller with 5 teeth (right side)			1
67	1070251	Screen	1	1	2
68	1070690	Scraper plate	10	10	20
69	1070720	Plate	5	5	10
70	0248421	Carriage bolt M10 x 30 mm	10	10	20
71	0227830	Bolt (internal 6 edge) M10 x 20mm	10	10	20
72	0235350	Bolt M12 x 35mm	4	4	8

Hydr. operation of the locking pawl



Pos.	Part No.	Description	Number
1	1071395	Bracket f/cylinder	1
2	1071396	Cylinder	1
3	0236170	Bolt M20 x 80 mm	1
4	0272310	Facet plate Ø20	2
5	0264110	Lock nut M20	1
6	0235380	Bolt M12 x 50 mm	1
7	0235360	Bolt M12 x 40 mm	2
8	0272270	Facet plate Ø12	6
9	0264070	Lock nut M12	3
10	0446130	90° nipple 1/4"	2
11	0454558	Hose 1850mm 1/4"	2
12	0444490	Fitting, straight 1/2"x1/4"	2
13	0449070	Bounded seal 1/2"	2
14	0444020	Quick-coupling 1/2"	2

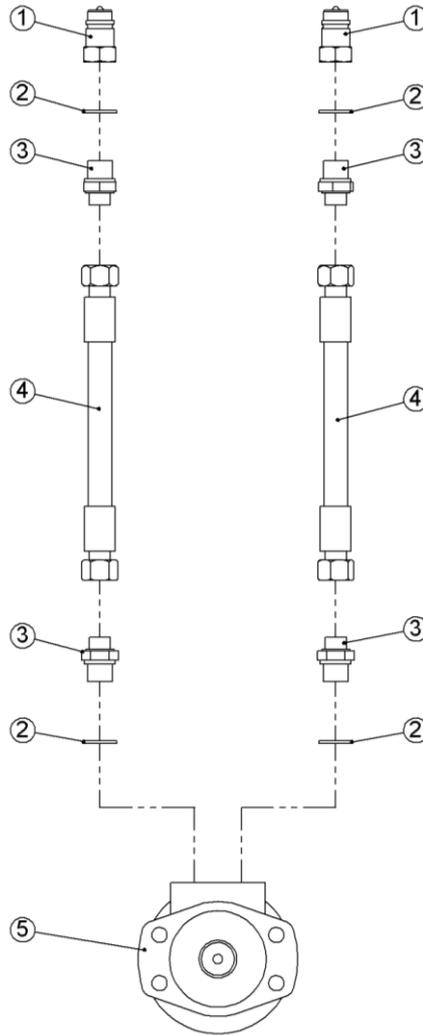
Quick-Change



Pos.	Part No.	Description
1	1071423	EURO coupling
2	1071429	New Holland coupling
3	1071410	JBC coupling
4	1071427	Manitou coupling
5	1071432	Claas coupling
6	1071437	Liebherr coupling
7	1071449	Bobcat T-2250 coupling

Hydraulic

Oil motor



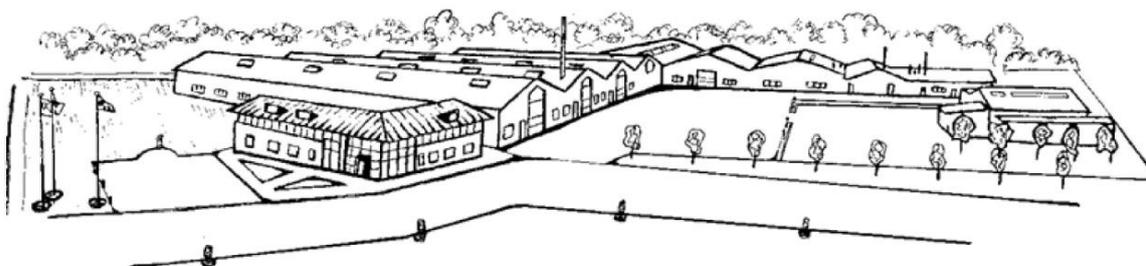
Pos.	Part No.	Description	Number
1	0444020	Quick-coupling 1/2"	2
2	0449070	Bounded seal 1/2"	4
3	0444550	Hexagon nipple 1/2" - 3/8"	4
4	0454520	Hose 1600mm. 3/8"	2
5	0442070	Oil motor with Ø32 shaft	1

Notes

Maskiner til vækst
Maskiner til vækst



2010
Danmark



Ret til konstruktionsændringer uden varsel forbeholdes.