



UK

***Operating Instructions
Declaration of Conformity
Spare Parts List***

***Lift-Roller
2,6/3,0m
2,6/3,0/4,0m with telescopic drawbar***



Important: Before using the machine, please study the Operating Instructions thoroughly to ensure that you are familiar with the safety instructions.



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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
Denmark

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

The declaration comprises the following machine:

Lift -Roller 2,6m - 3,0m – 4,0m

Nykøbing the 29th December 2009


Villy Christiansen

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

1. Delivery check

1.1 Range of application

Lift-Roller is a lift-mounted roller for land packing in connection with preparation of the seedbed, packing after ploughing as well as consolidating stones in the soil.

Lift-Roller is available with working widths of 2,6 – 4,0 m with the choice of 5 different ring types.

1.2 Delivery check

Upon delivery to the dealer/supplier as well as to the customer, check the Lift-Roller for possible damages. Make sure that the roller blocks have not been exposed to impact, resulting in damage to the cast iron rings or the roller bearings.

2. Description of the machine

2.1 Technical specifications

Working width

2,6 / 3,0 / 4,0

Working width	2,6	3,0	4,0
Weight without extra equipment:			
Cambridge rings Ø38cm 15"	565kg	640 kg	
Cambridge rings Ø45cm 18"	790 kg	900 kg	1280 kg
Cambridge rings Ø51cm 20"	865 kg	990 kg	1410 kg
Cam rings Ø55cm 22"	680 kg	815 kg	1160 kg
Cross-kill rings Ø48/Ø53 cm	730 kg	830 kg	1210 kg
Cross-kill rings Ø55/Ø60 cm	1045 kg	1170 kg	1700 kg
2D Corrugated Ø510	830 kg	920 kg	discont.
2D Corrugated Ø620	880 kg	985 kg	discont.
Plain ring	675 kg	765 kg	discont.

Noise level

under 70dB(A)

3. Operating instructions

3.1 Lubrication

There are 2 lubrication points on Lift-Roller 2,6 – 3,0 m models, and 4 points on Lift-Roller 4,0 m model. These points must be lubricated after every 10 working hours as well as after cleaning in order to press out any water and dirt.

The lubrication points are located at each ball bearing.

NOTE !

However, the double-sealed ball bearings should only be lubricated every 20 working hours and by 1-2 strokes so that the sealing rings are not pressed out.

WARNING !

During maintenance or lubrication, the Lift-Roller must be lowered or otherwise supported, to secure the machine in case of failure in the tractor's hydraulic system.

REMEMBER to stop the engine and apply the brakes.

3.2 Start-up

Speed: Max 10 km/h

Mount the Lift-Roller in the tractor's 3 point linkage and raise the support leg.

Position the tractor's lift arms so that the Lift-Roller drawbar is horizontal

Remember to lock the telescopic drawbar during work so it does not run in the opposite direction down steep slopes.

3.3 Maintenance

Tighten all nuts and bolts after about 10 hours of operation.

Before winter storage, wash the machine making sure to clean off all dirt and grime. If you use a high-pressure cleaner, do not spray directly on the ball bearings or lubricating nipples as water may penetrate in to them. After the washing, lubricate all ball bearings. You may also spray the machine with oil.

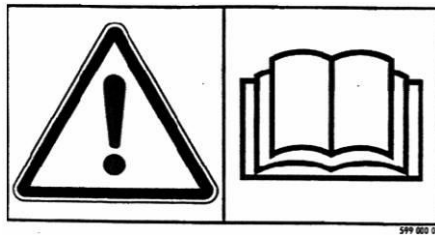
4 Safety instructions

4.1 Transport on public roads

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

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

4.2 Labels on the machine



Study the safety instructions carefully before operating the machine, and observe all safety precautions.



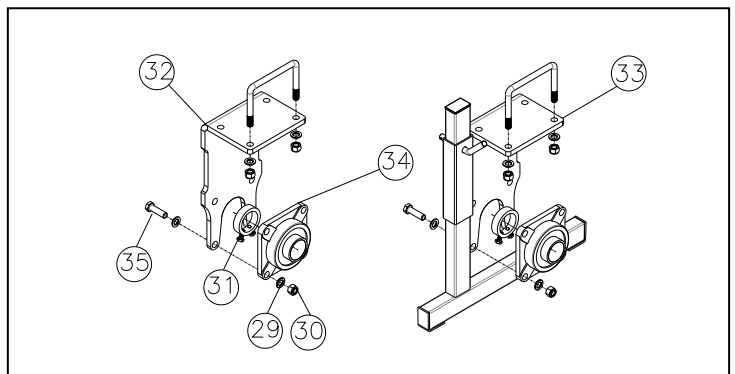
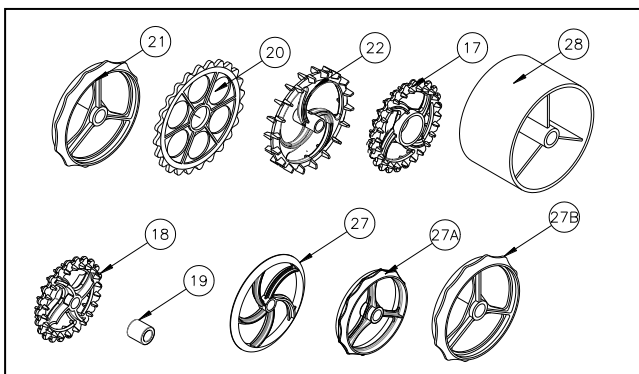
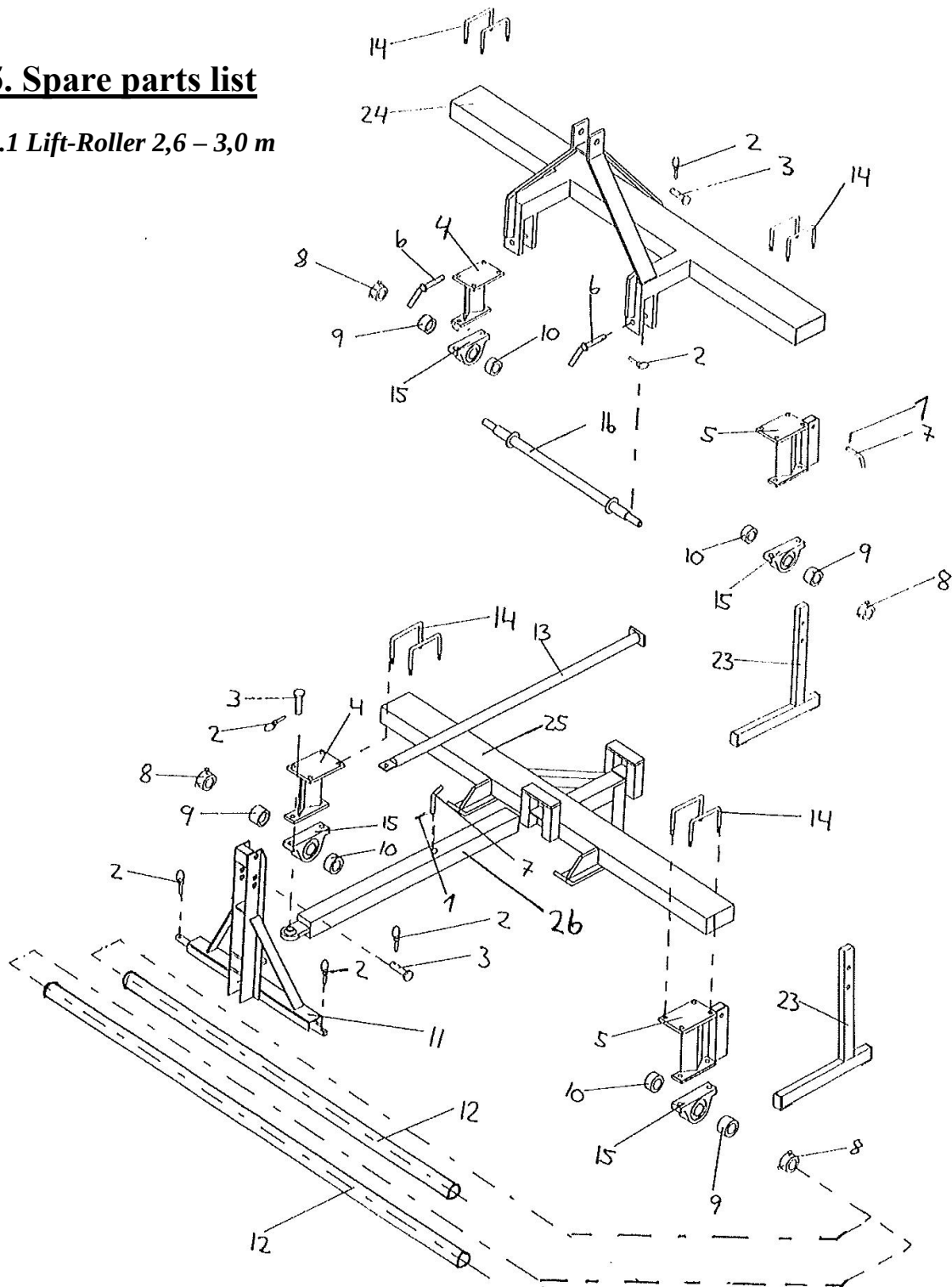
Tighten up all bolts regularly.
If this is not done, our warranty obligations no longer apply



Plate with serial number and year of manufacture

5. Spare parts list

5.1 Lift-Roller 2,6 – 3,0 m



Pos.	Item no.	Designation	2,6m	3,0m
1	90133005	R-clip Ø4	1	1
2	90134004	Ring pin, ø10	4	4
3	90303001	Top link pin ø25 L=102	1	1
4	30040300	Bearing bracket	1	1
5	30040400	Bearing bracket with fitting for support leg	1	1
6	30740300	Locking spike for support bar	2	2
7	30552100	Nail for support leg Ø16	2	2
8	30552300	Stop ring Ø50	2	2
9	30041500	Bush 82,5x14,2 L=27 15" rings	2	2
9a	30041700	Bush 82,5x14,2 L=17 18" rings	2	2
9b	30041900	Bush 82,5x14,2 L=17 20" rings	2	2
9c	30042100	Bush 82,5x15,2 L=25 Cross-Kill	2	2
9d	30042200	Bush 82,5x15,2 L=25 Cam ring	2	2
10	30041600	Bush 90/63 L=22 15" rings	2	2
10a	30041800	Bush 90/63 L=22 18" rings	2	2
10b	30042000	Bush 90/63 L=22 21" rings	2	2
10c	30042100	Bush 90/63 L=22 15" Cross-Kill	2	2
10d	30042300	Bush 90/63 L=22 15" Cam ring	2	2
11	30320100	Three-point linkage	0	1
12	30031000	Axle for 2,6m 15" ø50 L=2735	1	1
12a	30031100	Axle for 2,6m 18" ø50 L=2760	1	1
12b	30031200	Axle for 2,6m Cam ring ø50 L=2725	1	1
12c	30031300	Axle for 2,6m 20" ø50 L=2760	1	1
12d	30031400	Axle for 2,6m Cross-Kill ø50 L=2725	1	1
12e	30041000	Axle for 3,0m 15" ø50 L=3135	1	1
12f	30041100	Axle for 3,0m 18" ø50 L=3175	1	1
12g	30041200	Axle for 3,0m Cam ring ø50 L=2725	1	1
12h	30041400	Axle for 3,0m 20" ø50 L=3175	1	1
12I	30041300	Axle for 3,0m Cross-Kill ø50 L=3140	1	1
13	30040500	Transversal rod	1	1
14	690110102	U-bolt M16 80x160x80	4	4
14b	90113008	Self-locking nut M16	4	4
15	90140080	Bearing w/2 holes (complete) UCFL 209 (ø45)	2	2
15a	90103127	Bolt, M16x50 8.8	4	4
15b	90117008	Facet plate ø16	4	4
15c	90113008	Self-locking nut M16	4	4
16	30740200	Support bar	1	0
17	90150011	Cross-kill ring ø530mm	11	12

Pos.	Item no.	Designation	2,6m	3,0m
17	690150075	Cross-kill ring, loose ø600mm	11	12
18	90150010	Cross-kill ring, loose ø485mm	14	15
18	690150074	Cross-kill ring ø485mm	14	15
19	90150012	Hub for loose Cross-kill ring	11	12
19	69015076	Hub for loose Cross-kill ring ø104/ø60	11	12
20	90150004	Cambridge serrated ring 15"	21	26
20	90150005	Cambridge serrated ring 18"	21	26
20	90150009	Cambridge serrated ring 21"	21	26
21	90150001	Cambridge plain ring 15"	24	29
21	90150002	Cambridge plain ring 18"	24	29
21	90150019	Cambridge plain ring 21"	24	29
22	90150007	Cam ring 22"	16	19
23	70520100	Support leg	1	1
24	30040200	Frame 2,6/3,0	1	1
25	30040300	Frame 2,6/3,0 for telescopic drawbar	1	1
26	30040100	Telescopic drawbar	1	1
27	690150013	Corrugated ring Ø500 Discontinued April 2011	48	56
27A	690150042	2D Corrugated ring Ø510 New from April 2011	31	35
27B	690150050	2D Corrugated ring Ø620 New from April 2011	31	35
28	690150028	Plain ring Ø505	8	9
29	690117013	Facet plate Ø16 from machine no.706305	16	16
30	690113008	Self-locking nut M16 from machine no.706305	8	8
31	671040400	Stop ring w/bolt 20mm from machine no.706305	2	2
32	630401201	Bearing bracket from machine no.706305	1	1
33	630401202	Bearing bracket with fitting for support leg from machine no.706305	1	1
34	690140821	Bearing UCF 212 (Ø60) from machine no.706305	2	2
35	690103131	Bolt M16x60 8.8 from machine no.706305	8	8

This exploded perspective view illustrates the assembly of a mechanical device. The components are numbered as follows:

- 1**: A vertical support plate with a horizontal base.
- 2**: A small pin or screw used for fastening.
- 3**: A small cylindrical component, possibly a bush or spacer.
- 4**: A small rectangular plate or bracket.
- 5**: A rectangular block or housing.
- 6**: A curved bracket or arm.
- 7**: A small circular component, possibly a washer or seal.
- 8**: A small cylindrical component, similar to part 3.
- 9**: A small circular component, possibly a washer or seal.
- 10**: A long, thin horizontal rod or shaft.
- 11**: A long, thin horizontal rod or shaft, similar to part 10.
- 12**: A long, thin horizontal rod or shaft, similar to part 10.
- 13**: A U-shaped bracket or clip.
- 14**: A small circular component, similar to part 7.
- 15**: A small rectangular component, possibly a bush or spacer.
- 22**: A small rectangular component, possibly a bush or spacer.
- 23**: A rectangular block or housing, similar to part 5.
- 24**: A small rectangular component, possibly a bush or spacer.
- 25**: A small rectangular component, possibly a bush or spacer.

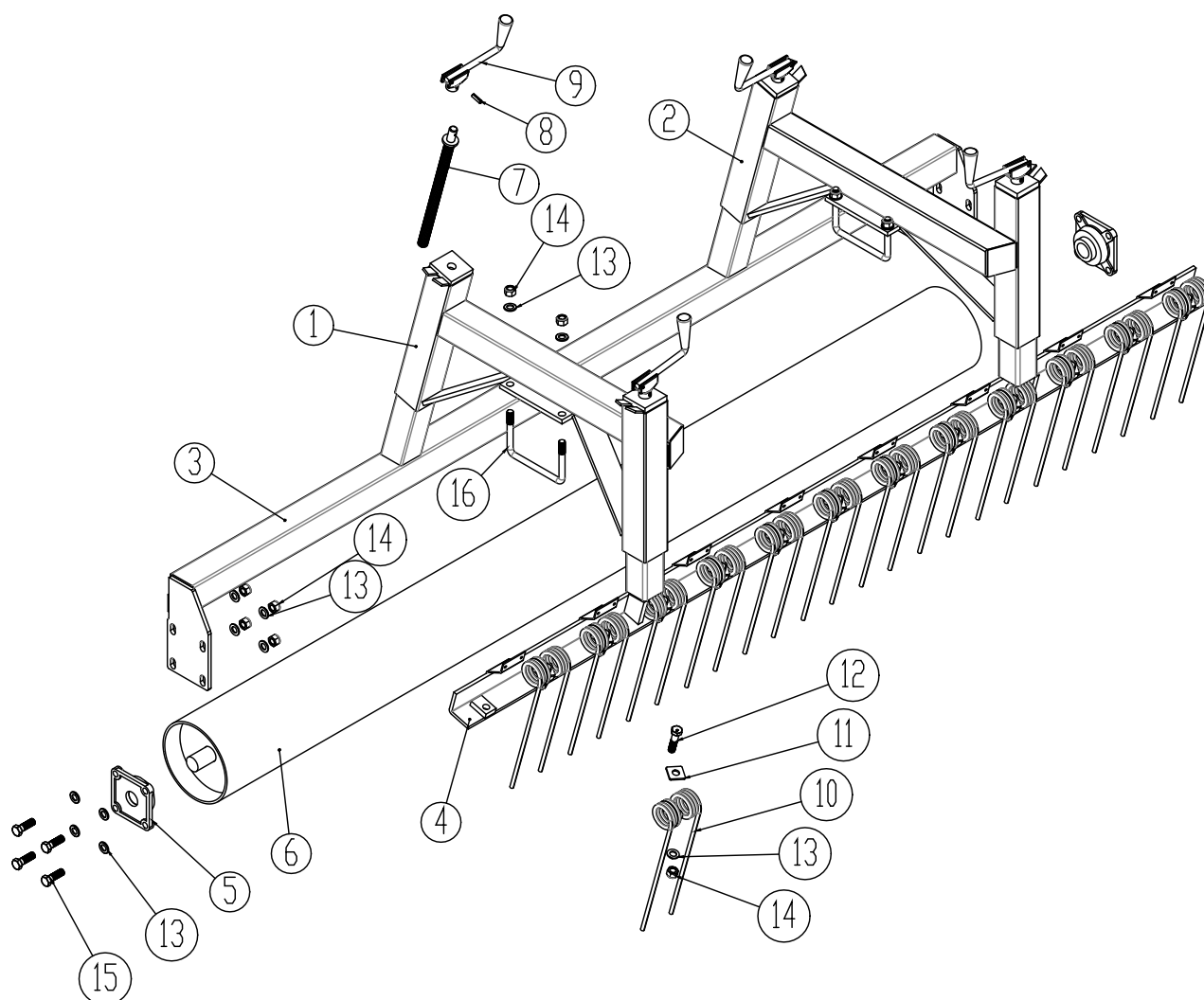
The diagram shows the relative positions and assembly sequence of these parts, with dashed lines indicating the alignment and movement of components during assembly.



Pos.	Item no.	Designation	4,0 m
1	30520100	Support leg	1
2	90134004	Ring pin, ø10mm	4
3	90303001	Top link pin, ø25 L=102mm	1
4	30040300	Bearing bracket	1
5	30040400	Bearing bracket with fitting for support leg	1
6	30552100	Nail for support leg, ø16mm	2
7	30552300	Stop ring, Ø50	2
8	30041500	Bush 82,5x14,2 L=27, 15" rings	2
9	30041600	Bush 90/63 L=22, 15" rings	2
8a	30041700	Bush 82,5x14,2 L=17, 18" rings	2
9a	30041800	Bush 90/63 L=12, 18" rings	2
8b	30041900	Bush 82.5x14,2 L=17, 20" rings	2
9b	30042000	Bush 90/63 L= 12, 20" rings	2
8c	30042100	Bush 82.5x14,2 L=25, Cross-kill	2
9c	30042400	Bush 90/63 L=37, Cross-kill	2
8d	30042200	Bush 82.5x14,2 L=42, Cam ring	2
9d	30042300	Bush 90/63 L=37, Cam ring	2
10	30320100	Three-point linkage	0
11	30061000	Axle for 4,0m 15" ø50 L= 2735mm	1
11a	30061100	Axle for 4,0m 18" ø50 L= 2760mm	1
11B	30061200	Axle for 4,0m 20" ø50 L= 4170mm	1
11C	30061300	Axle for 4,0m Cross-kill ring ø50 L= 4170mm	1
11d	30031200	Axle for 4,0m Cam ring ø50 L= 2755mm	1
12	30040100	Telescopic drawbar	1
13	90110402	U-bolt M16x160x80	8
13a	90117008	Facet plate Ø16	16
13b	90113008	Self-locking nut M16	16
14	690140080	Bearing with 2 holes UCFL 209 (Ø45)	2
14a	90103127	Bolt M16x50 8.8	4
14b	90117008	Facet plate Ø16	4
14c	90113008	Self-locking nut M16	8
15	90140802	Bearing (complete) NP 1055-50K – H311	2
15a	90113008	Self-locking nut M16	4

15b	90117008	Facet plate Ø16	4
16	90150011	Cross-Kill ring, loose Ø530mm	17
16	690150075	Cross-Kill ring, loose Ø550mm	17
17	90150010	Cross-Kill ring Ø485 mm	20
17	690150074	Cross-Kill ring Ø600 mm	20
18	90150012	Hub for loose Cross-Kill ring	17
18	690150076	Hub for loose Cross-Kill ring Ø104/60	17
19	90150004	Cambridge serrated ring 15"	36
19	90150005	Cambridge serrated ring 18"	36
19	90150009	Cambridge serrated ring 21"	36
20	90150001	Cambridge plain ring 15"	39
20	90150002	Cambridge plain ring 18"	39
20	90150019	Cambridge plain ring 21"	39
21	90150007	Cam ring 22"	27
22	90133005	R-clip ø4	2
23	30460300	End plate	2
24	30060200	Frame 4,0m	1
25	30040100	Telescopic drawbar	1
27	690150013	Corrugated ring Ø500 2011	Discontinued April
27A	690150042	2D Corrugated ring Ø510 2011	New from April
27B	690150050	2D Corrugated ring Ø620 2011	New from April

5.3. Grass-Seeder



Pos.	Part number	Designation	2,6m	3,0m
1	630060080	Carrier frame right	1	1
2	630060081	Carrier frame left	1	1
3	1230008	Sektion bar for roller	1	
3	30060050	Sektion bar for roller		1
4	1230006	Harrow bar for Lift-Roller Krummernacher	1	
4	630060030	Harrow bar for Lift-Roller Krummernacher		1
5	690140074	Bearing UCF 208 complete with housing	2	2
6	1230011	Roller complete	1	
6	30060070	Roller complete		1
7	90304101	Spindle	4	4
8	0371660	Roll pin Ø8x30	4	4
9	90304102	Handle foldable	4	4
10	633055605	Tine, Industriebhof 58561900 Silver	13	15
11	7355066	Mounting plate, square, Ø8x40x40x4 FZV	13	15
12	0235850	Bolt M16x65 8.8 fzb	13	15
13	0272290	Facet washer 16mm	37	39
14	0264090	Self-locking nut M16	29	31
15	0235810	Bolt M16x50 8.8 fzb	8	8
16	690110102	U-bolt M16x80x160x80	4	4

as it looks

As good as it looks

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The design is subject to modification without notice.