



W-Max 10 F / C

Operator's Manual & Spare Parts Catalogue



Frame

Nr: 101002

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EC Declaration of Conformity for Machinery

((Directive 2006/42/EEC)
Manufacturer,
Aimo Kortteen Konepaja Oy
Pohjolaantie 2, FI-84100 Ylivieska
Finland

herewith declares that

Murska W-Max 10F / 10C Crimper
Number: *1051 297*

is in conformity with the provisions of the Machine Directive
(Directive 2006/42/EEC), as amended, and with national
implementing legislation.

Ylivieska Finland, April 2012



Aimo Korte
Managing Director

Warranty

All items are guaranteed for one year from the date of purchase against material failure due to defective manufacture. This does not cover fair wear and tear or damage due to failing to correctly carry out safety or operating instructions in this booklet.

The rollers can be worn very rapidly by incorrect setting. Particular attention should be paid to setting them correctly.

Other conditions according to
ORGALIME S 92

The manufacturer is continually striving to improve the product. Any changes or improvements does not imply or be understood to mean, that any machine produced prior to the date that the modification was introduced, will be fitted by the manufacturer after that date with the modified parts free of charge.

Introduction

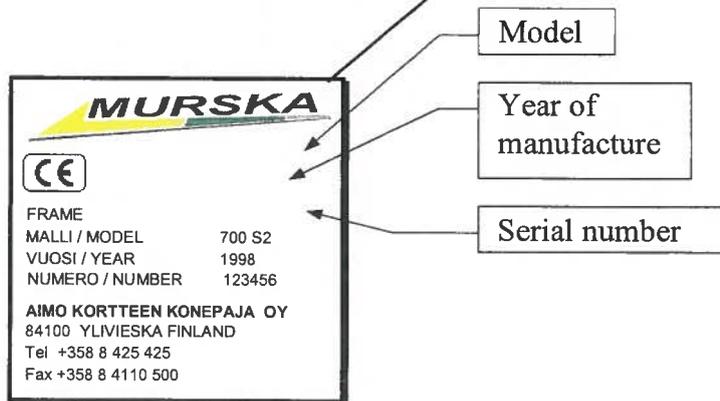
Purpose:

The machine has a dual purpose: to crimp high moisture grains prior to ensiling or to roll dry grains.

Made in Finland, EU.



Frame Identification Label



MURSKA	
CE	
FRAME	
MALLI / MODEL	700 S2
VUOSI / YEAR	1998
NUMERO / NUMBER	123456
AIMO KORTTEEN KONEPAJA OY	
84100 YLIVIESKA FINLAND	
Tel +358 8 425 425	
Fax +358 8 4110 500	

Technical Data

MACHINE

Murska W-Max 10F

Capacity		10 000 - 20 000 kg/h
Power demand		60 - 80 kW
Hopper capacity		380 litres
Lifting height of standard elevator		330 cm
Length		180 cm
Width		115 cm
Height without elevator		115 cm
Weight		720 kg
Three-point linkage fixation		+
Rotation rate	300 - 540 rpm	540 - 1000 rpm

Rollers

Fluted, tempered discs	+	+
Both rollers are gear driven	+	+
Width		950 mm
Diameter		300 mm

Equipment (supplemental)

Hopper		3500 litres
Elevator extension		1 m and 2 m

PTO Shaft Requirements

- The PTO shafts recommended for use with crimper machines are:
 - PTO Torque Limiters
- The Torque Limiters to be set at:
 - W-Max 10F / C: 1300 Nm (540 rpm)
- It is important that the PTO shaft meets the above requirements.
- The torque limiter/slip clutch should be at the machine end and shrouded or protected by a guard.
- Check that the linkage of the machine is compatible with the tractor.
- Ensure that the tractor and the machine are levelled so that the PTO shaft is horizontal.
- The extended length is compatible for the tractor power and the machine.
- The PTO shaft guard must be in working order and proper clearances maintained between the machine and the tractor.
- The PTO shaft guard should be secured in order to prevent it rotating.
- Whilst the three-point linkage is connected the PTO should also be connected to the machine and tractor.
- The PTO shaft should be supported when the machine is not connected to a tractor, so that it does not foul the guard or get damaged.
- Refer to **PTO Operation and Maintenance**, page 9.

PTO Operation And Maintenance

- If the PTO is shortened, both male and female shaft should be reduced. The male shaft should be made 5-10 mm shorter than the female shaft.
- After cutting, clean off any burrs so that the male shaft moves smoothly and without difficulty within the female shaft. Lubricate both shafts.
- When the PTO is working at its maximum length the working engagements of both shafts should be one third of its overall length. At the minimum working length it is essential that the two half shafts do not bottom.
- The shaft guards should also be shortened, so that the shaft protrudes the guards by 5-10 mm.
- A torque limiter will cut out once the torque set is exceeded. Allow the PTO to come to a halt and it will automatically reset itself. It is important to carry out daily maintenance as stated in pages 23 and 24, rather than wait for the torque limiter to operate.

Lubrication

- When in use, clean the outer and inner surfaces of the shafts daily. Lubricate with lithium based grease.
- Grease nipples at the universal joints; to be lubricated with good quality lithium grease daily.
- Ensure that the spring loaded plunger on the quick release yoke is adequately lubricated and located correctly.
- The torque limiter assembly needs no maintenance, except to be cleaned of any dust or dirt contamination.

End-of-Season Maintenance

- It is good practice for the PTO, out of season, to be disconnected from the crimper, dismantled, greased up, reassembled and stored in a dry place free of dirt.

General Safety

- While operating, the machine must be kept on a solid base.
- The machine should not be moved when the grain hopper is full or being filled.
- It is recommended that approved safety goggles are used whilst operating the machine.
- Do not allow anyone on to the tractor whilst operating the machine, especially when making adjustments.
- Do not stand on the PTO shaft or linkage or between the tractor and the machine.
- The PTO shaft guard should be secured in order to prevent it rotating.
- Maintenance and repairs/adjustments should be carried out when the machine is stationary with the tractor engine stopped and the PTO shaft out of gear.
- Never attempt to remove any straw or grain from the rollers whilst the machine is in motion.
- A mask should be worn in dusty conditions.
- It is recommended that the current health and safety guidelines are used when operating the machine.

Guards

- The tractor power must be switched off before the guards are taken off.
- All guards must be in place and properly secured when the machine is operating. Partspicture 8 (see *Part Catalogue*) shows the guards that must be fitted to the machine.
- If it is found necessary continually to take the guards off to clear the rollers, the machine has not been properly adjusted (see operating adjustments).

Noise Level

- The noise level of the machine when operating can be between 98-116 dB. Ear muffs of approved type for noise levels above 100 dB must be worn.
- Any person who comes close to the machine for a period of hours should also wear similar ear muffs.

...General Safety

Hopper

- The hopper must not be entered whilst the machine is operating.
- Check all bolts for tightness on a regular basis.
- Keep hands, clothing, tools etc. away from the hopper.

Additives

If an acid applicator is used, full protective clothing should be worn in accordance with the additive producers instructions, and legislative regulations must be applied.

In addition to the safety instructions in this manual you must observe all statutory safety instructions and regulations.

Assembly of Elevator

Safety

- Be aware that the elevator unit is heavy to lift.
- All covers need to be replaced and secured.
- The spring bolt needs to be well home.

Assembly

1. Take off auger cover.
2. Take off bottom end bolts if already fixed on to the elevator assembly.
3. Push the locking bar through the spring. Lock the locking bar with split pin below the spring and split pin above the spring.
4. Ensure that the bolt securing handle is facing upwards.
5. Place the Elevator assembly near the cover to the auger. The Elevator needs to be placed on a block whilst the chain is placed around the auger shaft, having detached the connecting link by removing the split pins.
6. Bolt the elevator to the auger cover frame.
7. Fit the connection link and replace the split pins and secure by bending over.
8. Having fitted the chain link, tighten the conveyor chain by the two bolt lug adjusters at the top of the elevator. Tighten each adjuster equally to ensure that there is the same tension on each. Take up the slack in the chain until some sideways movement is felt.
9. Replace the auger cover and ensure that it is secured by fitting the pin clips in place. Fit/replace the top cover direction shute and ensure that toggles are securing them.
10. Lift up the conveyor attachment until it can be secured by the spring bolt. Ensure that spring bolt is well home to hold the conveyor.
11. Fit end safety bolts - these will be in place when received.
12. Check all is well.

Operating Instructions

Do not operate the machine without all the guards in place and properly secured.

Recommended Procedures

1. Routine Machine Check

This should always be carried out each time the machine is started after a period of being idle and before any other operation is carried out.

2. Roller Alignment

To be carried out each time the machine is started after a period of being idle and before any other operation is carried out, also once a day when the machine is in constant daily use.

3. Start Up and Operating Procedures

To be carried out each time the machine is started after carrying out the Routine Machine Check.

4. Close Down Procedure

To be carried out each time the machine is stopped.

Reference numbers in [] relate to pictures on page 6.

Routine Machine Check

1. Check all nuts, bolts and Allen screws for correct tightness. Replace or tighten if required. Check tightness of all Allen screws in taper lock driving pulleys [15].
2. Remove the auger housing access plate.
3. Turn elevator to vertical position and check elevator chain tension (sideways movement should be possible). Adjust the tension if required and replace auger housing access plate.
4. Check the feeder belt tension / tensioner (2 cm total movement).
5. Check auger/elevator belt tension.
6. Check force feeder agitator. Clean and straighten if necessary.
7. Check and calibrate the acid applicator for acid-output to correspond with the average output of the crimper. The proper dosing is dependent on the preservative used, grain moisture content and producer's instructions.

Roller Alignment and adjustment

The drive roller is fixed and aligned to the framework with bearing housings. This roller has no need or possibility to adjust.

The adjustable roller is fixed to framework with free sliding bearing housings. Roller moves closer to the fixed roller by two (2) hydraulic rams, one in both side of the roller ends.

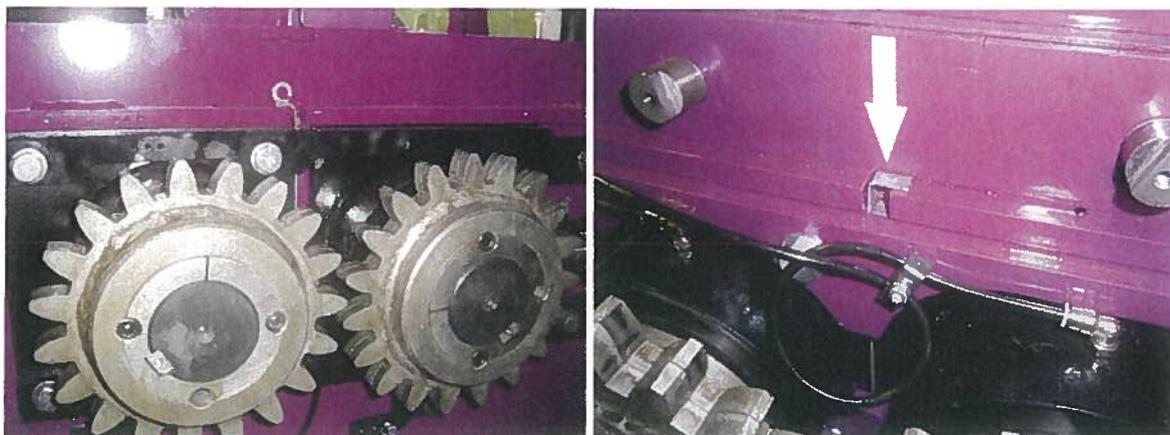
Adjustable roller is also able to move sideways (axial) 3mm, so it will always center when it goes against the fixed roller to crimping position.

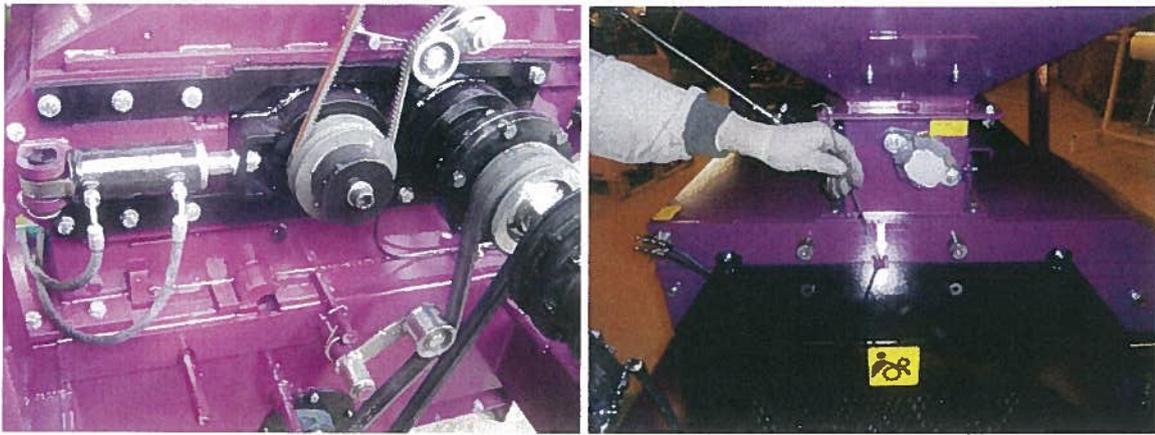
1. Connect the 3-point linkage to tractor. Connect the hydraulic tubes to tractor's hydraulic valve block. Connect the PTO-shaft to tractor.
2. Open the rollers by turning the hydraulic valve handle upwards.



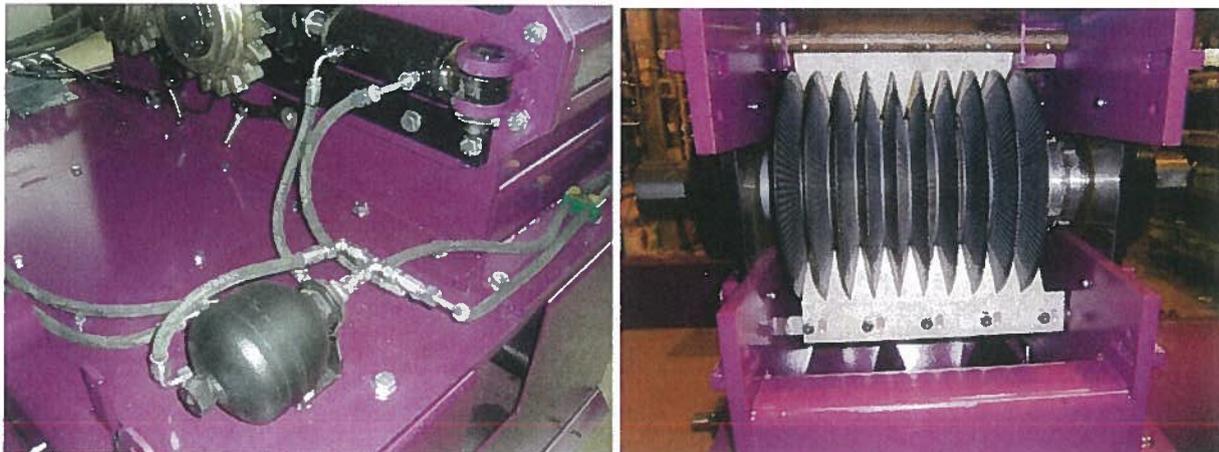
Now the hydraulic rams move the adjustable roller out from the fixed roller.

3. The gap between the roller is adjusted / limited by spacer plates.
4. Place equal spacer plates (1,5mm / 2mm / 3mm) between the bearing housings to both sides of the machine.





5. Close the rollers by turning the hydraulic valve downwards. Check, that the roller gear wheels goes free. Move the adjustable rollers all the way against the spacers, with full pressure.
6. Now the rollers are ready adjusted for the crimping. The hydraulical suspension balls keeps the pressure between the rollers and give up, if something (stones, metal) goes between the rollers.



7. Check also the scraper knives (two (2) on top of the rollers, two (2) in the bottom) and tensioner springs.
8. Start tractor and engage the power-take-off at minimum revs
 - If rollers are allowed to touch, excessive wearing will occur which is not covered under the warranty.
 - The machine is now ready for Start Up Procedure.

**Do not operate the machine without all the guards
in place and properly secured.**

Start Up Procedure

1. Ensure that the Routine Check has been carried out.
2. Ensure that the Roller Alignment has been carried out.
3. Ensure the acid applicator is calibrated and ready. Close feeder hatch [1].
4. Fill up the hopper.
5. Secure, that the rollers are closed by turning the hydraulic valve downwards..
6. Check all guards are installed and secured.
7. Engage tractor PTO at 540 or 1000 rpm.
8. Open feeder hatch to provide a uniform flow of grain on the rollers. As flow increases, tractor revs may require adjustment.
9. Check the flow of grain is just sufficient to be pressed without a build up of grain on the rollers.
10. If dough balls are produced and the grain is mushy, increase the space between the rollers by changing the spacer plates.
12. The degree of crushing is also increased by reducing the output (feeder hatch).
13. Start the acid applicator when a sample is produced where all grain is crimped and no dough balls are produced.
14. Add water if required (ideal moisture content of the grain is about 35-40 %).
15. Increase PTO speed to approximately 750-1000 rpm.

It is very important that the rollers do not touch.
As a routine procedure, always check the temperature
of the rollers immediately they are stationary.

**Do not operate the machine without all the guards
in place and properly secured.**

Close Down Procedure

1. Close the acid applicator and close the feeder shutter with the feed adjuster handle.
2. Let the machine run until the hopper is empty and the machine is clean of grain.
3. Stop the tractor and disengage PTO drive.
4. Open the rollers slightly by from the hydraulic valve handle.
5. Check the rollers immediately for uneven or excessive heat.

When excessive or uneven heating occurs:

- Check uneven alignments (refer to page 15].
 - Clear stones by removing stone trap box.
 - Replace bearings if necessary.
6. Clean the crimper of all loose grain and debris.
 7. Disengage scrapers by removing the scraper spring. Ensure the scraper spring is replaced.
 8. Clean and straighten force feeder and elevator.
 9. Thorough cleaning of cross and discharge auger is recommended after use.

Fault Finding

1. Kernels are too crushed, i.e. have adoughy appearance:

- Rollers are adjusted too close to each other.
- Machine speed is too high.
- ➔ Widen the distance between the rollers and reduce the speed so that the grain slides through the rollers and does not stick to the roller surface. The recommended PTO operation speed is 540 - 1000 rpm.

The machine is now ready for Start Up Procedure - refer to page 18.

2. A mixture of whole uncrushed kernels and doughy kernels:

- Rollers are not parallel to each other.
- ➔ Open and close the rollers few times and check, that both ends / hydraulic rams moves equally so that the distance is the same at both ends.

The machine is now ready for Start Up Procedure - refer to page 18.

3. Rollers have a doughy appearance and some kernels are scattered around:

- Scraper knives under the rollers are incorrectly adjusted or spring not fitted.
- ➔ Clean scraper knives and check they peel the grain off the surface of the rollers evenly. If necessary, adjust the spring or replace the knives. The spring should press each knife against the roller.

The machine is now ready for Start Up Procedure - refer to page 18.

4. The bottom auger clogs up:

- Elevator belt or tension is loose.
- ➔ Tighten the elevator chain and tighten or replace drive belts and tension the belts once again.
- ➔ Check that the flow of feed is not too high.

...Fault Finding

- ➔ Check feeder auger is clean from previous use.
- ➔ Check PTO speed is between 540 - 700 rpm.

The machine is now ready for Start Up Procedure - refer to page 18.

5. If the tractor stalls or the PTO slips:

- ➔ Close applicator and water.
- ➔ Switch off the power and disconnect PTO.
- ➔ Close grain feeder hatch.
- ➔ Release pressure on jack.
- ➔ Remove auger well cover and elevator belt cover to clear blockage.
- ➔ Check and clear the build-up of grain between the rollers and check that no metal or stones are trapped between the rollers or auger, turn rollers backwards by hand to clear obstruction.
- ➔ Check that the flow of feed is not too high.
- ➔ Check tractor speed is correct in relation to flow.

The machine is now ready for Start Up Procedure - refer to page 18.

6. The flow of grain stops - the belts starts to "smoke":

- The force feeder is bound in straw or stones between the feeder
- The force feeder is jammed.
- The rollers have stopped turning.
- ➔ Switch off power and disengage PTO.
- ➔ Close applicator and water.
- ➔ Insert the cut-off plate to hopper
- ➔ Remove the straw, stones etc.
- ➔ Open the rollers all the way with hydraulic valve handle. This allows stones, etc. fall down to the bottom between the rollers.
- ➔ Remove the cut-off plate

The machine is now ready for Start Up Procedure - refer to page 18.

...Fault Finding

7. Output is reduced:

- PTO speed is not correct
- Stones etc. loose on top of rollers
- Straw wrapped round butterfly-screw.
- Main drive belt stuck or not adjusted correctly.
- Auger/elevator belt worn or tensioning spring needs replacing.
- ➔ Close grain feeder door.
- ➔ Close applicator and water.
- ➔ Switch off power and disengage PTO.
- ➔ Insert the cut-off plate to hopper
- ➔ Open the rollers all the way with hydraulic valve handle. This allows stones, etc. fall down to the bottom between the rollers.
- ➔ Open grain feeder door
- ➔ Remove grain, stones etc. from rollers and auger.
- ➔ Close feeder door.
- ➔ Remove the cut-off plate.

The machine is now ready for Start Up Procedure - refer to page 18.

Daily Maintenance

Switch off all power to the machine before carrying out any maintenance.

Check the Belts

The elevator auger belts and feeder belt are tensioned.

Check the Elevator Chain

When the elevator is in vertical position, the chain can be checked through the auger housing access hatch. Sideways movement should be possible on the sprocket.

Hopper Bolts

Check the hopper bolts and nuts every day, in order to avoid the bolts dropping on to the rollers.

Bearings

When the machine is in constant use, the bearings require a minimum of two strokes of grease gun daily.

Drive Pulleys

Should be checked for tightness of Allen screws and alignment.

...Daily Maintenance

Rollers

Alignment should be checked and adjusted if necessary. Also check for any signs of over-heating.

Discharge Auger

Remove cross auger pan-tray to clean at end of day to minimise contamination of feed and to minimise any possible corrosion.

End of Season Maintenance

1. Clean the crimper thoroughly with a power hose. Do not aim the jet of water straight on the bearings.
2. Remove the elevator chain and put it into a suitable container filled with oil. Leave chain to soak for at least half an hour. Re-install the chain again.
3. Apply anti-corrosion protective material on all surfaces to minimise corrosion.
4. If the paintwork is damaged, apply anti-corrosive paint.
5. Check roller surfaces. If they are smooth, contact your Korte dealer for resurfacing advice.
6. When not connected to a tractor, the PTO shaft should be supported so that it does not get damaged or foul the protecting guard.
7. The crimper should be kept in a dry place when not in use.
8. If any bearings are dismantled, they should be washed and greased thoroughly before being reinstalled.

Pulley Removal and Assembly

Pulley fasten to shaft with a separate taper hub.

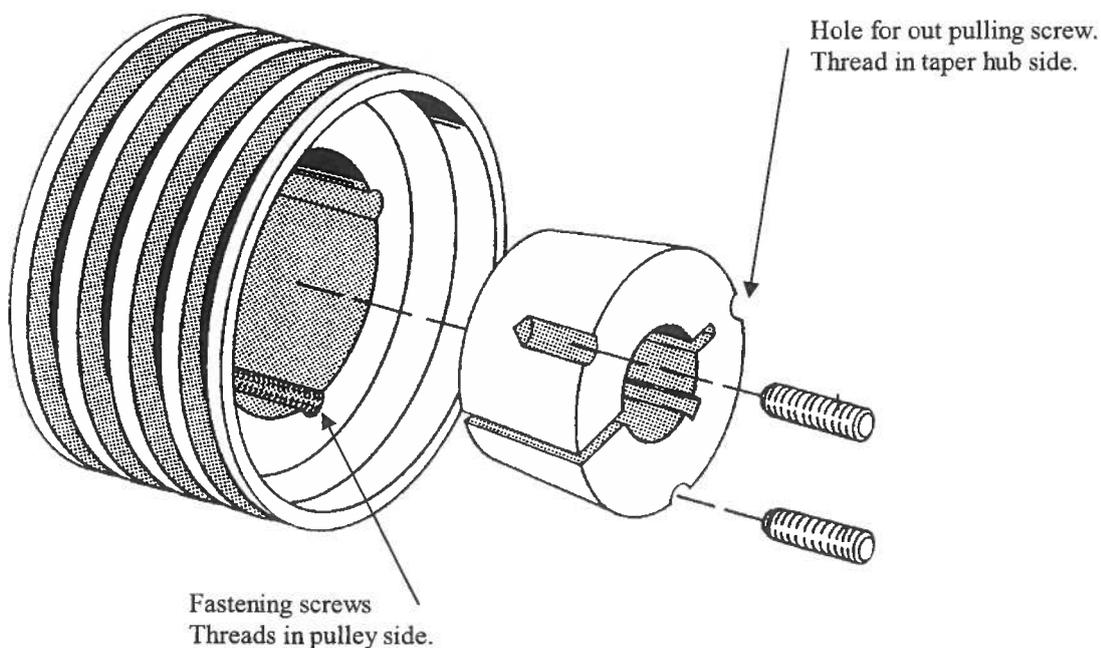
Assembly

1. Clean protective grease from taper hub and pulley nave.
2. Place taper hub inside the pulley nave and align the holes.
3. Oil the fixation screws and screw them in lightly.
Note: Thread for the fixation screws is in the pulley. The threaded hole in taper hub is for removal of the pulley.
4. Clean the shaft. Push the pulley and taper hub on shaft.
Note: When aligning the pulley, the taper hub part will fasten first on to the shaft.
During tensioning the pulley still slides few millimeters.
5. Tighten the screws with proper force.
6. Knock the taper hub gently and check the tension again.
7. Fill the out pull holes with grease (to keep thread clean).

Taper hub	Tightening moment
TL 1610-25, TL 1610-35	19 Nm
TL 2012-25, TL 2012-35, TL 2012-50	31 Nm
TL 2517-65	49 Nm

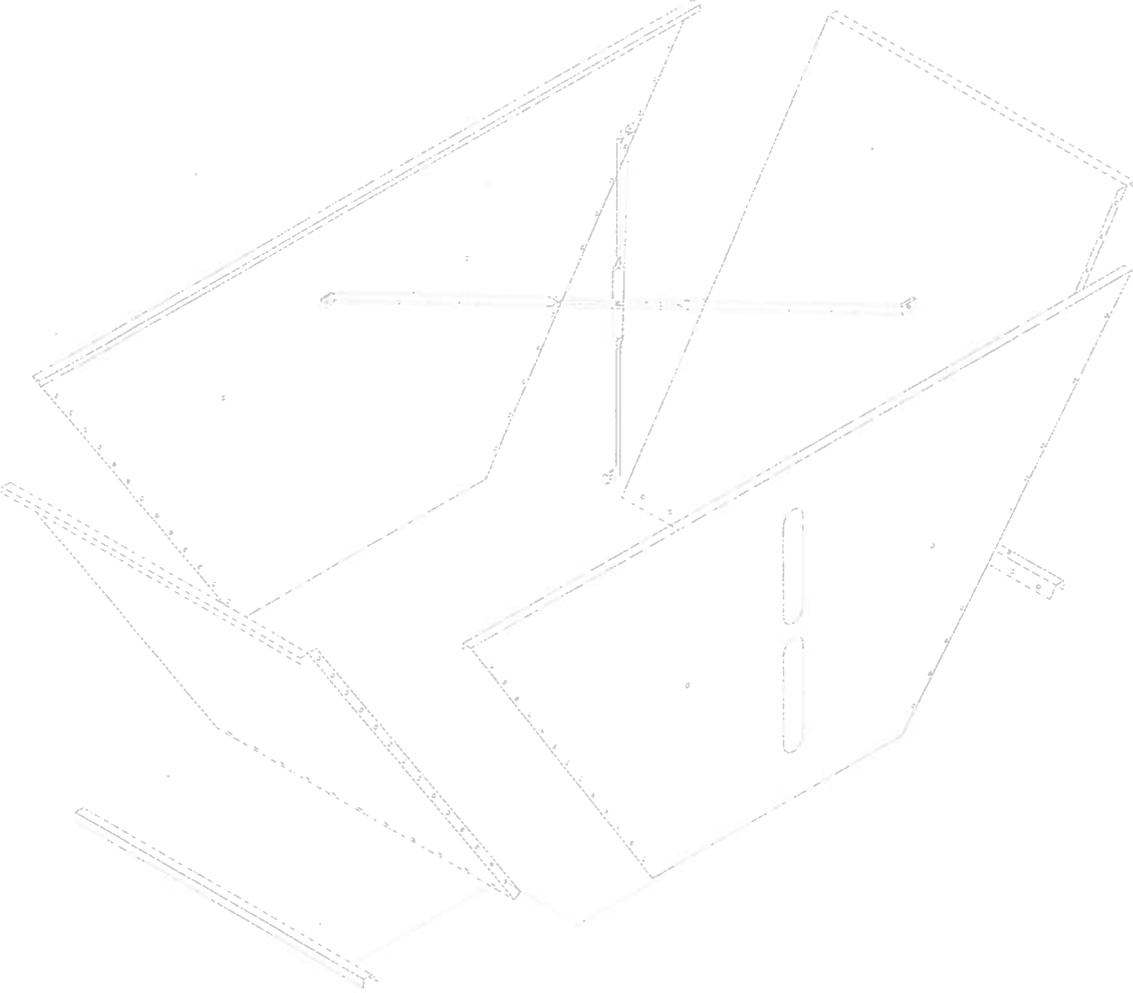
Removal

1. Open the fastening screws and remove them.
2. Screw one of the screws in the out pull hole (threaded hole in the taper hub).
3. Tension the screw until the taper hub get loose from the pulley nave.
4. Remove pulley and taper hub from shaft.



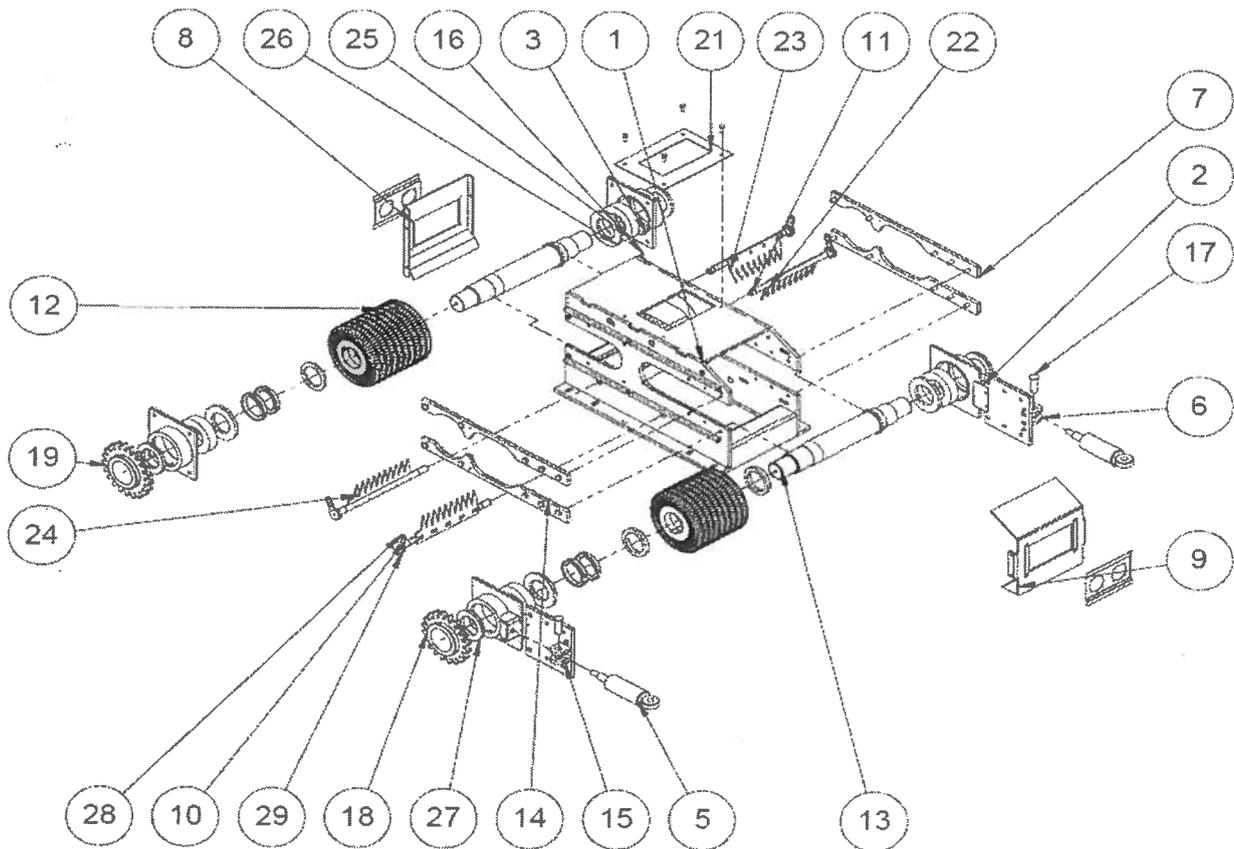
Hopper Assembly Picture

Relates to Assembly of Hopper, page 12.

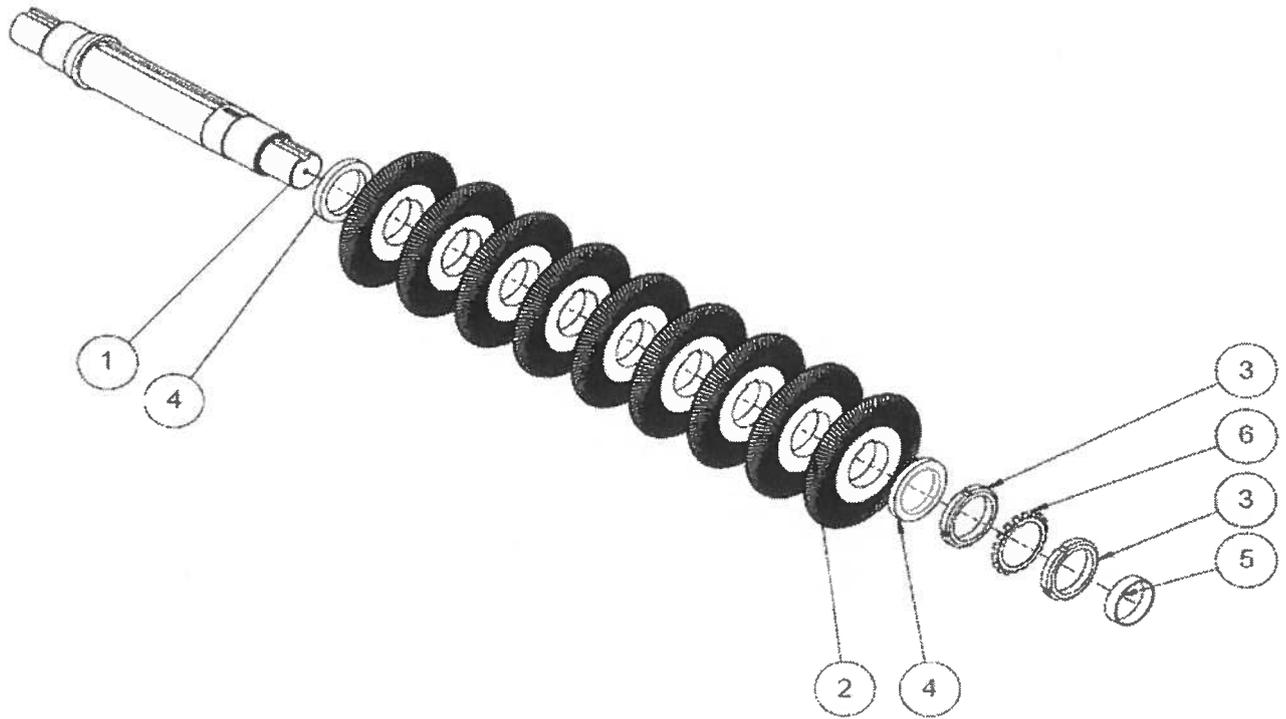


Note: When extra hopper is installed to crimper you can leave the guarding grating out from hopper.

Spare Parts Catalogue



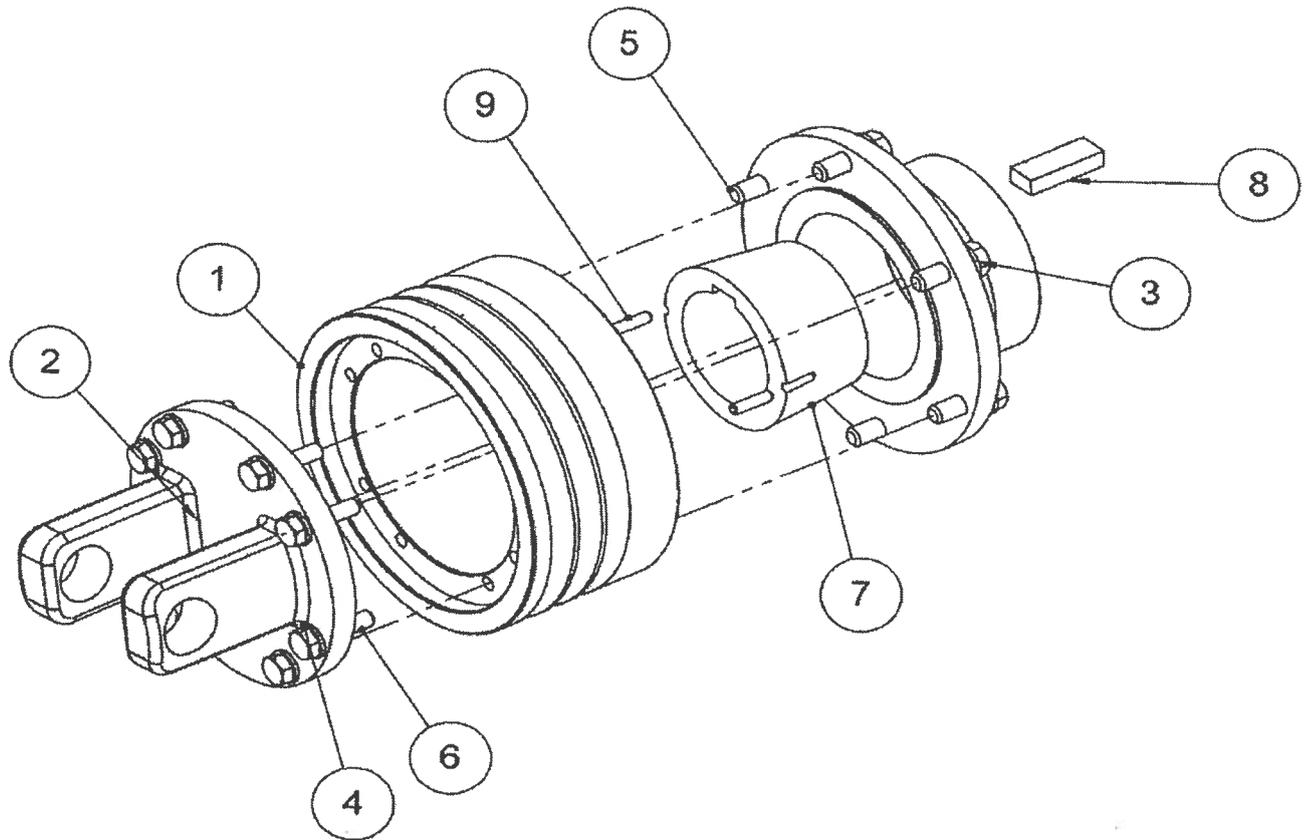
Viite Ref.	Osa nro Part No.	Kpl Pcs	Nimitys	Description	Koko Size
1	1001953	1	Kasetin runko	Frame	
2	1001412	1	Laakeripesä, säädettävä valssi, oikea	Bearing housing, adj. Roller (right)	
		1	Laakeripesä, säädettävä valssi, vasen	Bearing housing, adj. Roller (left)	
3	1000633	1	Laakeripesä, vetovalssi, oikea	Bearing housing, drive roller (right)	
		1	Laakeripesä, vetovalssi, vasen	Bearing housing, drive roller (left)	
4	1001546	1			
5	1000335	2	Hydraulisylinteri	Hydraulic ram	
6	1000801	2	Lukitusokka		
7	1001681	4	Henkselilevy		
8	1001684	1	Puhdistusluukku, vasen		
9	1001685	1	Puhdistusluukku, oikea		
10	1001747	2	veitsen akseli	shaft for scraper knife	
11	1001718	2	veitsen akseli	shaft for scraper knife	
12		19	valssikiekk	Disc roller	10 + 9
13		2	valssin akseli	roller shaft	
		2	kiila	Key	25x270mm
14		20	Ruuvi	Bolt	DIN933 M14x40
15		14	Ruuvi	Bolt	DIN933 M10x25
16					
17	1001832	2	Lukitustappi	Locking pinn	
18	1001854	1	Hammaspyörä	Gear wheel	z= 20
19	1001855	1	Hammaspyörä	Gear wheel	z= 21
		2	Kiinnitysholkki	Key	10-1596
		2	Kiila		20x
20					
21	1001925	1	Kansi		
22	1001927	1	Kuorintaveitsi, ylä oikea	Scraper knife, upper right	
23	1001928	1	Kuorintaveitsi, ylä vasen	Scraper knife, upper left	
24	1001929	2	Kuorintaveitsi, ala oikea/vasen	Scraper knife, lower left/right	
25	201684	4	Laakeri	Bearing	22218 W33, Ø90/160x40
26	206111785	4	Akselitiiviste	Seal	GV 95x160x13 NBR
27	GV 95x160x13 NBR	4	Akselitiiviste	Seal	R 90x140x13 NBR
28					
29		2	Soviterengas (säädettävä valssi, 9 kiekkoa)	Spacer ring	Ø90 x 15mm
30		4	Lukitusmutteri	Locking nut	KM19
31		2	Lukituslevy	Locking plate	
32					
33		1	Holkki (kierteen päälle, vetovalssi)	Bushing	Ø95x2,5 - 28mm
34		1	Holkki (kierteen päälle, säädettävä valssi)	Bushing	Ø95x2,5 - 25mm
35					



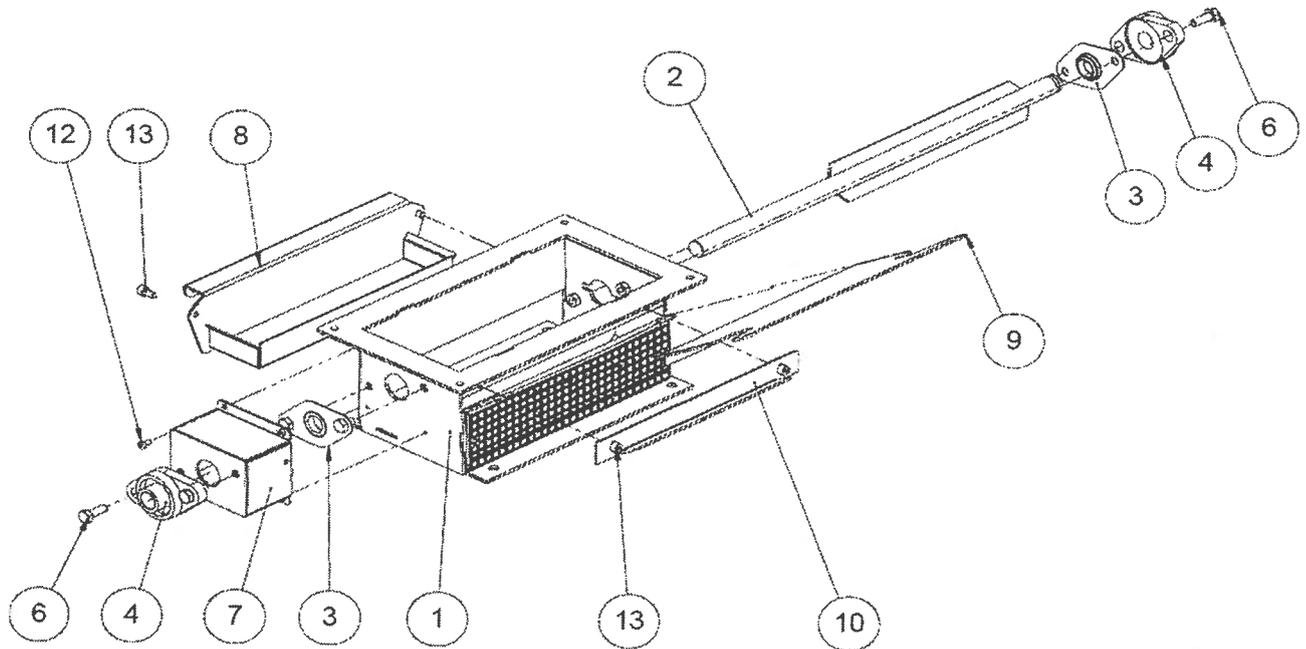
Viite Ref.	Osa nro Part No.	Kpl Pcs	Nimitys	Description	Koko Size
			Säädettävä valsii	Adjustable roller	
1	1001430	1	valssin akseli	roller shaft	
2	1001803	9	valssikiikko	roller disc	Ø320 x 42,5
3		2	Lukitusmutteri	Locking nut	KM19
4	1001243	2	soviteholkki	spacer ring	Ø90 x 15mm
5		1	suojaholkki	covering bush	Ø90 x 24mm
6		1	Lukituslevy	Locking plate	
7		1	kiila	Key	25x270mm



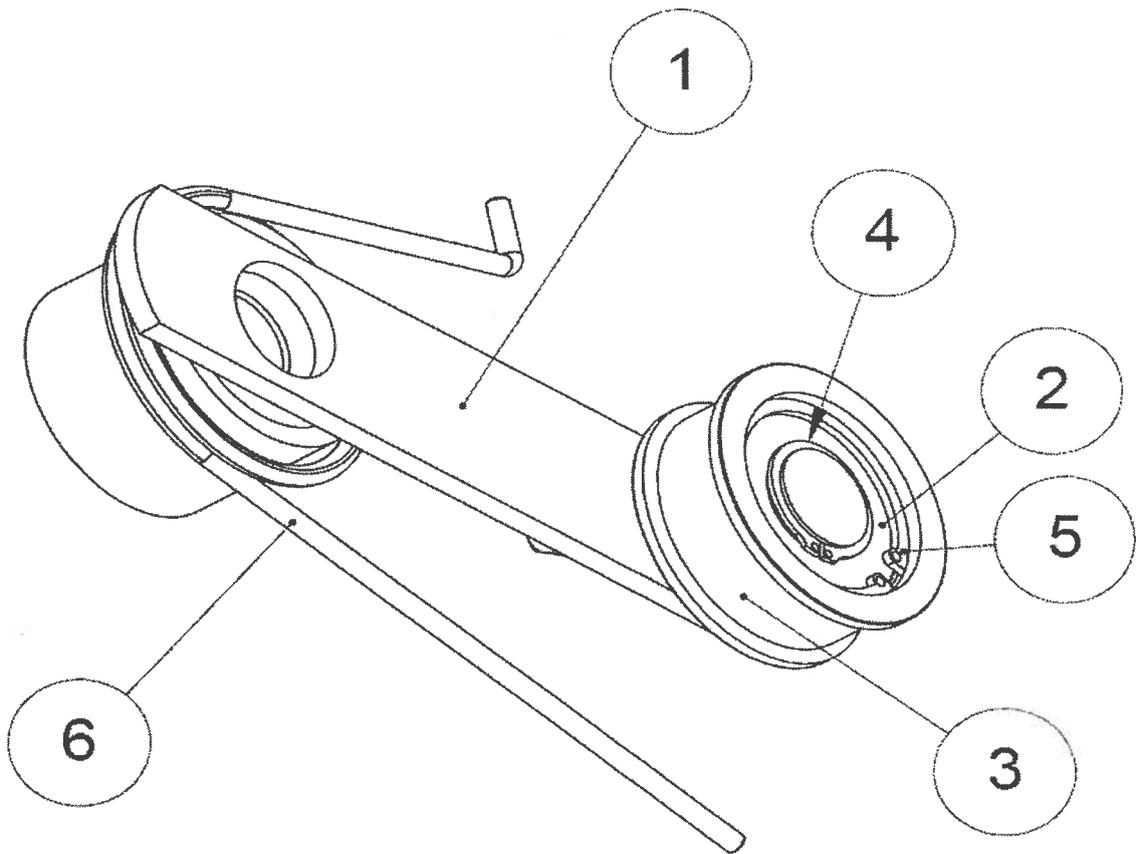
Viite	Osa nro	Kpl	Nimitys		Koko
Ref.	Part No.	Pcs		Description	Size
			Vetoalssi	Fixed roller	
1	1001430	1	valssin akseli	roller shaft	
2	1001803	10	valssikiekko	roller disc	Ø320 x 42,5
3	1001243	1	soviteholkki	spacer ring	Ø90 x 15mm
4		2	Lukitusmutteri	Locking nut	KM19
5		1	suojaholkki	covering bush	Ø90 x 28mm
6		1	Lukituslevy	Locking plate	
7		1	kiila	Key	25x270mm



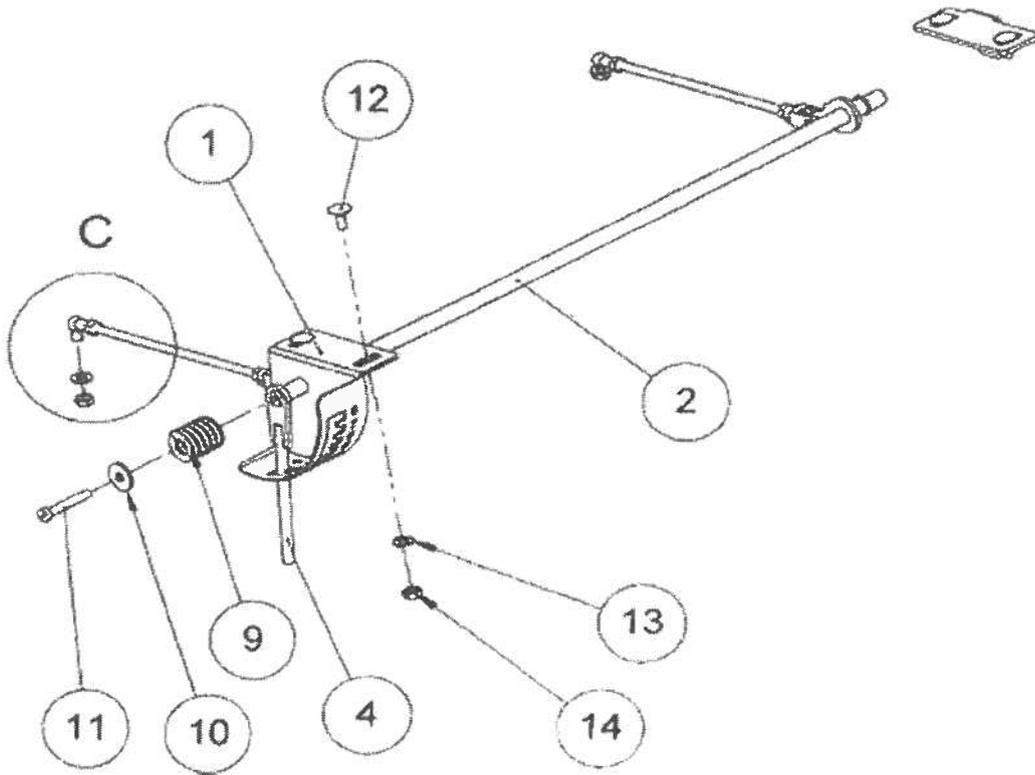
Viite Ref.	Osa nro Part No.	Kpl Pcs	Nimitys Description	Koko Size	
1	AKK-1901	1	Hihnapyörä		
2	AKK-1974	1	1 3/4" laippaura-akseli	1 3/4" splined shaft	
		1	Haarukka	Fork flange	
3		6	Aluslaatta	Washer	A12
4		8	Aluslaatta	Washer	A10
5	6012011	6	Kuusioruuvi	Bolt	M12x30 10.9
6	60W10571030	8	Kuusioruuvi	Bolt	M10x40 8.8
7	2512004	1	Kartioholkki	Taper hub	3030/75 5742
8		1	Kiila	Key	20x12x70
9		2	Pidätinruuvi	Locking bolt	M8x25
10	AKK-1236	1	Kiinnitysholkki	Fixation collar	



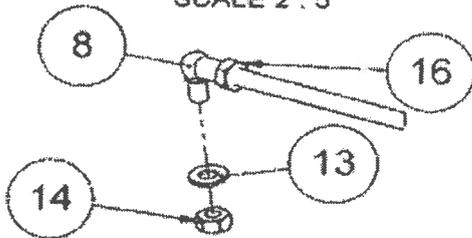
Viite Ref.	Osa nro Part No.	Kpl Pcs	Nimitys Description	Koko Size	
1	1001873	1	syöttölaitteen runko	Feeder box frame	
2	1001714	1	karistaja-akseli	feeder shaft	Ø25
3	MP8827	2	Pölytiiviste UCFL 205 laakerille	Dust seal for bearing UCFL 205	GA 25.35.7/10
	204044	2	Pölytiiviste UCFL 205 laakerille	Dust seal for bearing UCFL 205	GA 25.35.7/10
	AKK-1983	2	Tiivisteen laippa	Flange for seal	
4	203992	2	Laakeri UCFL 205	Bearing UCFL 206	Ø25/52x22 valupesä soikea
5		2	Ruuvi	Bolt	DIN933 M10x16
6		4	Ruuvi	Bolt	DIN933 M10x30
		4	Holkki	Bushing	Ø
7	1001781	1	Laakerin runko	Fixation box for bearing	
8	1001867	1	Puhdistusluukku	Cleaning door	
9	1001874	1	Syötönsäätöluukku	Feeding adj. Door	
10	1001478	1	Suojaritilän kiinnityslista	Fixing plate	
11	1001835	1	Suojaritiä		
12		4	Kuusiokoloruuvi	Bolt	M6x12
13		4	Kuusiokoloruuvi	Bolt	DIN912 M8x16
14					
15					
16	251674	1	Kartioholkki	Taper-hub	1610/25
17	251663	1	Hihnapyörä	Pulley	SPB 140-1/1610
18	2512074	1	Kiilahihna	V-belt	B47 1240
19					
20	MP7281	1	Hihnankiristäjä	Belt tensioner	
21	MP7275	1	Jousi	Spring	Ø5
22					



Viite	Osa nro	Kpl	Nimitys	Description	Koko
Ref.	Part No.	Pcs			Size
	MP7281	1	Hihnankiristäjä, täydellinen	Belt tensioner, complete	
1	MP7280	1	Hihnankiristäjän runko	Frame	
2	201691	2	Laakeri	Bearing	6205 2RS
3	251648	1	Hihnapyörä	Pulley	SPB 83-1 / 25
4	601705	1	Pidätinrenas	Circlip	DIN471 A25
5	601710	2	Pidätinrenas	Circlip	i52
6	MP7275	1	Jousi	Spring	Ø5
	2512075	1	Kiilahihna	V-belt	B47 1240



DETAIL C
SCALE 2 : 5



Viite Ref.	Osa nro Part No.	Kpl Pcs	Nimitys	Description	Koko Size
1					
2					
3					
4					
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6					
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9					
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11					
12					
13					
14					
15					
16					



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